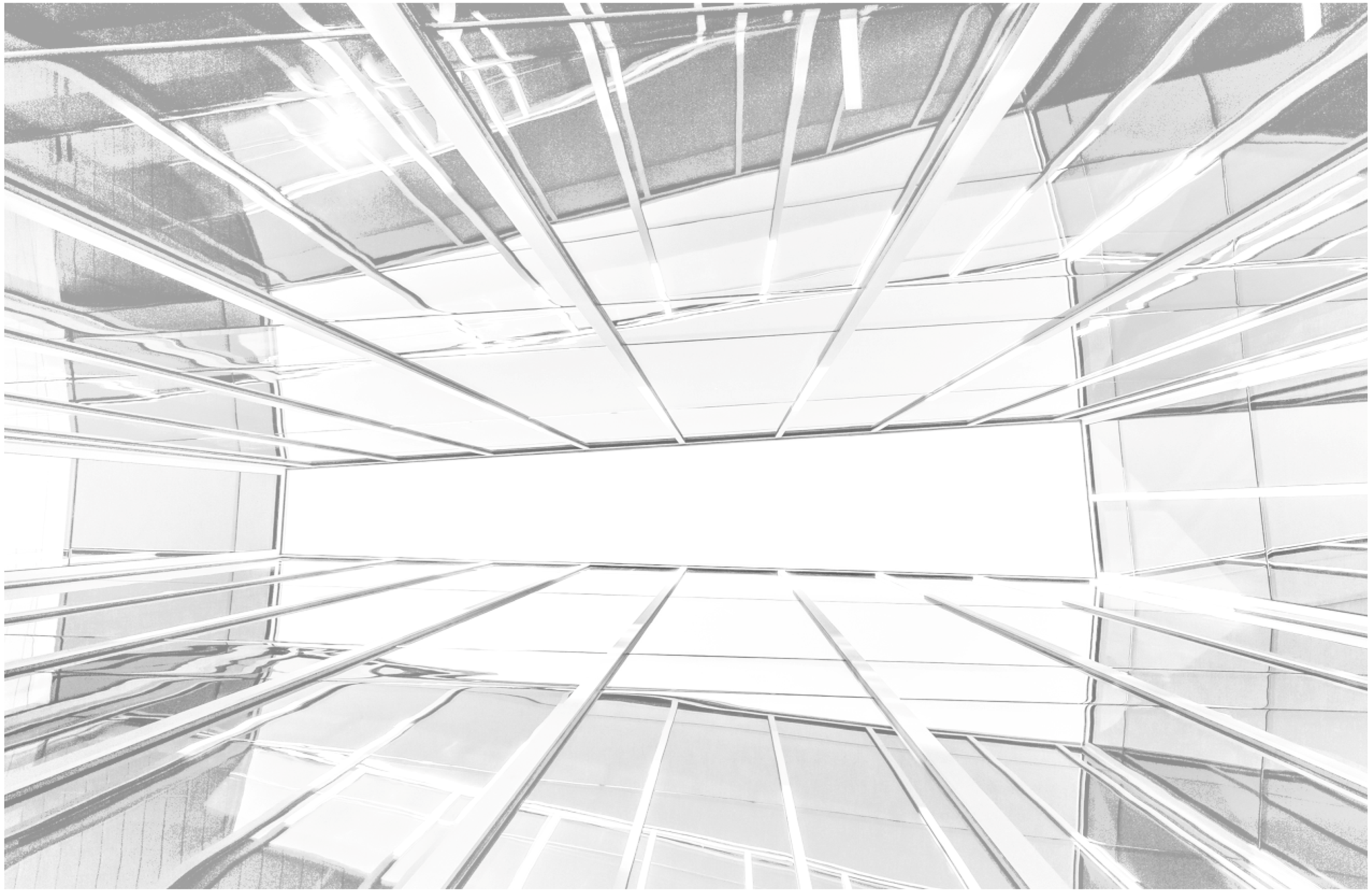
THE LINE SHOWN ABOVE IS 1" LONG WHEN PLOTTED AT FULL SHEETS ORIGINAL PAGE SIZE

LODI UNIFIED SCHOOL DISTRICT

LODI MIDDLE SCHOOL MODERNIZATION - BID SET

945 SOUTH HAM LANE LODI, CA 95242



AGENCY APPROVAL:

LODI UNIFIED SCHOOL DISTRICT

HMC Architects

3431007000

2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

PROJECT TEAM

OWNER

LODI UNIFIED SCHOOL DISTRICT

825 W LOCKEFORD ST, LODI, CA 95240
(209) 331-7000

FACILITY:

LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:

LODI MIDDLE SCHOOL
MODERNIZATION - BID SET

SHEET NAME:

COVER SHEET

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10**

CLIENT PROJ NO: **3431007000**

SHEET:

G0.10

Autodesk Docs://3395007000 TUSD MONTE VISTA MS MODERNIZATION R24/3395007000-A-TUSD-MONTE VISTA MS-DOCUMENTATION.rvt
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THE LINE SHOWN ABOVE IS EXACTLY 1" WHEN PLOTTED ON SHEETS ORIGINAL PAGE SIZE

LODI UNIFIED SCHOOL DISTRICT

LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2

945 SOUTH HAM LANE LODI, CA 95242

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

GENERAL NOTES

1. CONSTRUCTION DOCUMENTS DESCRIBE THE PRODUCTS, SYSTEMS, QUANTITIES, CONFIGURATION, AND PERFORMANCE SPECIFICATIONS THAT DELIVER THE OVERALL DESIGN INTENT OF THE PROJECT.
2. THE CONSTRUCTION DOCUMENT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY BOTH.
3. PERFORMANCE BY THE CONSTRUCTION TEAM SHALL BE CONSISTENT WITH THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AS NECESSARY TO DELIVER THE INDICATED RESULTS OF THE DESIGN INTENT.
4. VERIFY ALL DIMENSIONS, LOCATIONS OF EXISTING UTILITIES, AND CONDITIONS ON THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS. EXISTING CONDITIONS ARE INDICATED AS A RESULT OF FIELD OBSERVATIONS. INFORMATION SHOWN ON AVAILABLE DOCUMENTS AND FIELD CONDITIONS AT THE TIME OF PREPARATION.
5. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL GOVERNING CODES, ORDINANCES, REGULATIONS AND LAWS.
6. THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS AND SCAFFOLDING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
7. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
8. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THE DRAWINGS.
9. DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY NOTED OTHERWISE.
10. ENACT ALL MEASURES TO PROTECT AND SAFEGUARD ALL EXISTING ELEMENTS TO REMAIN FROM BEING DAMAGED. REPLACE OR REPAIR EXISTING ELEMENTS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION.
11. PRIOR TO THE START OF WORK THE CONTRACTOR SHALL COORDINATE BETWEEN THE REQUIREMENTS OF ALL DISCIPLINES HEREIN AND BETWEEN THE REQUIREMENTS OF ALL DRAWINGS AND SPECIFICATIONS IN ORDER THAT ALL ITEMS SATISFACTORILY RELATE TO ONE ANOTHER. NOTIFY ARCHITECT IMMEDIATELY REGARDING ANY ITEMS THAT CANNOT BE COORDINATED.
12. CONTRACTOR SHALL EXCERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, CONDUIT, ETC. AND TO PREVENT HAZARD TO PERSONNEL AND/OR TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
13. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS SHALL NOT TO BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT, AND STRUCTURAL ENGINEER OF RECORD.
14. ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE
15. THE LIMIT OF WORK LINE SHOWS THESE DRAWINGS IS AN APPROXIMATE LIMIT OF WORK ONLY. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL WORK, INCLUDING BUT NOT LIMITED TO INSTALLATION OF CONDUIT, MANHOLES, PULLBOXES, ETC WHICH ARE TO BE PART OF THIS WORK, ALTHOUGH OCCURING OUTSIDE OF SHOWN LIMIT OF WORK LINES.
16. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.
17. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24 CCR.
18. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. INSPECTOR TO BE CLASS 2.
19. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT. THE REPORTS SHALL BE SUBMITTED TO ARCHITECT OF RECORD, STRUCTURAL ENGINEER OF RECORD, OWNER, INSPECTOR OR RECORD, AND THE DSA FIELD ENGINEER. THE REPORTS OF ANY FAILURES OF TESTS AND INSPECTIONS ARE TO BE SUBMITTED TO DSA DISTRICT STRUCTURAL ENGINEER.
20. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
21. SAFETY DURING CONSTRUCTION SHALL COMPLY WITH CFC CHAPTER 33.
22. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR)
23. CONTRACTOR IS TO REVIEW AND COMPLY WITH ALL REQUIREMENTS AND MITIGATION MEASURES SET FORTH IN BOTH THE ENVIRONMENTAL IMPACT REPORT (ADDENDUM TO THE ENVIRONMENTAL IMPACT REPORT) SCH NO. 2002071120) INCLUDING ATTACHED BIOLOGICAL RESOURCES TECHNICAL REPORT.
24. NO DUMPING OR PLACING OF ANY DIRT OR DEBRIS SHALL BE ALLOWED OUTSIDE OF THE CONTRACTORS LIMIT OF WORK AREA.

NOTE:

SUBSTITUTIONS AFFECTING DSA-REGULATED ITEMS SHALL BE CONSIDERED AS CONSTRUCTION CHANGE DOCUMENTS (CCD'S) AND SHALL BE APPROVED PRIOR TO FABRICATION AND INSTALLATION PER DSA IR A-6 AND SECTION 338(C) PART 1, TITLE 24 CCR

CODES

PARTIAL LIST OF APPLICABLE CODES

2022	CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.	
2022	CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2021 INTERNATIONAL BUILDING CODE VOLUMES 1 & 2 AND 2022 CALIFORNIA AMENDMENTS)	
2022	CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)	
2022	CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R. (2021 UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)	
2022	CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2021 UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)	
2022	CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.	
2022	CALIFORNIA HISTORICAL BUILDING CODE (CHBC), PART 8, TITLE 24 C.C.R.	
2022	CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)	
2022	CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R. (2021 INTERNATIONAL EXISTING CODE AND 2022 CALIFORNIA AMENDMENTS)	
2022	CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.	
2022	CALIFORNIA REFERENCED STANDARDS, PART 12,TITLE 24 C.C.R.	
TITLE 19	C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.	
2019	ASME A17.1/B44-19 SAFETY CODE FOR ELEVATORS AND ESCALATORS	
2020	ASME 18.1 - SAFETY STANDARD FOR PLATFORM LIFTS AND STAIRWAY CHAIR LIFTS	

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	STANDARD FOR AUTOMATIC FIRE SPRINKLER SYSTEMS (CA AMENDED)	2022 ED.
NFPA 14	STANDARD FOR STANDPIPE AND HOSE SYSTEMS (CA AMENDED)	2019 ED.
NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2021 ED.
NFPA 17A	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS	2021 ED.
NFPA 20	STANDARD FOR STATIONARY PUMPS FOR FIRE PROTECTION	2019 ED.
NFPA 22	STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION	2018 ED.
NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE MAINS AND THEIR APPURTENANCES (CA AMENDED)	2022 ED.
NFPA 72	NATIONAL FIRE ALARM & SIGNALING CODE (CA AMENDED)	2022 ED.
NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2019 ED.
NFPA 2001	STANDARD FOR CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED)	2018 ED.
UL 300	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	2005 (R2014)
UL 464	AUDIBLE SIGNAL APPLIANCES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2003 ED.
UL 521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 ED. (R2005)
UL 1971	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 ED. (R2018)
ICC 300	STANDARD FOR BLEACHERS, FOLDING AND TELESCOPING SEATING AND GRANDSTANDS	2017 ED.

FOR A COMPLETE LIST OF APPLICABLE CBC STANDARDS REFER TO 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.
SEE CALIFORNIA BUILDING CODE, CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

GEOTECHNICAL ENGINEERING REPORT

GEOTECHNICAL ENGINEERING REPORT TERRACON PROJECT NO. : NA245056

DATE: AUGUST 23, 2024

CERTIFICATION NOTE:

THIS PROJECT SHALL NOT BE CERTIFIED UNTIL CERTIFICATION IS ACHIEVED FOR PROJECT #02-120272.

STATEMENT OF GENERAL CONFORMANCE

(X) THE DRAWINGS OR SHEETS LISTED ON THE INDEX SHEET WITH AN (*)
( ) THIS DRAWING PAGE OF SPECIFICATIONS/CALCULATIONS

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1) DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
2) COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344* OF TITLE 24, PART 1. (TITLE 24, PART 1, SECTION 4-316 (B))

I CERTIFY THAT:

ALL DRAWINGS OR SHEETS LISTED ON THE SHEET INDEX WITH AN (*) IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN AND HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

SIGNATURE — 04/08/25 DATE
ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE

Jennifer Huang
PRINT NAME

C 35691 — LICENSE NUMBER
05-31-25 — EXPIRATION DATE

DESIGN CRITERIA FOR SHADE STRUCTURES

RISK CATEGORY II

WIND LOADS (ASCE 7-16-29.4)

BASIC WIND SPEED 100 MPH (77 MPH ASD)
EXPOSURE C

PRESSURE COEFFICIENTS
TOPOGRAPHIC FACTOR, K = 1.0
WIND DIRECTIONALITY FACTOR, K = 0.85

SEISMIC

SITE CLASS D
SEISMIC DESIGN CATEGORY D
IMPORTANCE FACTOR, Ip 1.0

Ss = 0.628 S1 = 0.260
Fa = 1.297 Fv = 2.08
Sms = 0.81 Sm1 = 0.811
Sds = 0.543 Sd1 = 0.541

Work Exempt from DSA Requirements for Structural Tests / Special Inspections

1. EPOXY SHEAR DOWELS (SITE FLATWORK & NON-STRUCTURAL SLAB ON GRADE)
2. CONCRETE BATCH PLANT (SITE FLATWORD & SHADE STRUCTURE FOOTINGS)

PROJECT DESCRIPTION

~~INCREMENT 1:~~ ~~THIS PROJECT CONSISTS OF NEW BUS DROP OFF, EXPANSION AND RECONFIGURATION OF EXISTING SOUTH PARKING LOT, DEVELOPMENT OF A SCIENCE YARD, RELOCATION OF BASKETBALL COURTS,NEW BASEBALL/SOFTBALL FIELDS, ELECTRICAL AND FIRE ALARM WORK IN BUILDINGS A AND B, OUTDOOR LEARNING AND DINING SPACE ALONG WITH ASSOCIATED SITE WORK.~~

INCREMENT 2: MODERNIZATION AND RECONFIGURATION OF BUILDINGS A AND B ~~AND THE CONSTRUCTION OF (2) SHADE STRUCTURE (3 I AND 32).~~

~~INCREMENT 3: CONSTRUCTION OF MODULAR CLASSROOMS BUILDINGS H1, H2, AND S.~~

~~INCREMENT 4: CONSTRUCTION OF MULTIPURPOSE/CAFETERIA BUILDING J.~~

DEFERRED SUBMITTAL

NONE

ACCEPTANCE TESTING

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE.

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.

PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED

SYMBOL LEGEND

NORTH ARROW
TICK INDICATES PLAN NORTH
ARROW INDICATES TRUE NORTH

ELEVATION CALLOUT (TYPICAL FOR EXTERIOR)
LOCATION ON SHEET
SHEET WHERE ELEVATION IS DRAWN

ELEVATION CALLOUT (TYPICAL FOR INTERIOR)
LOCATION ON SHEET
SHEET WHERE ELEVATION IS DRAWN

ELEVATION CALLOUT - ALT. (FOR EXTERIOR AND INTERIOR)
LOCATION & SHEET WHERE ELEVATION IS DRAWN

SECTION CALLOUT
INDICATES A SIMILAR CONDITION
LOCATION ON SHEET
SHEET WHERE SECTION IS DRAWN

DETAIL CALLOUT
INDICATES A SIMILAR CONDITION
LOCATION ON SHEET
SHEET WHERE SECTION IS DRAWN

CONTROL OR DATUM POINT
NAME OF ELEVATION (IF APPLICABLE)
ELEVATION ABOVE FINISHED FLOOR

GRID BUBBLE
EXISTING BUILDING GRID SYMBOL
GRID NUMBER
NEW BUILDING GRID SYMBOL

DOOR CALLOUT
DOOR NUMBER

INTERIOR FINISH CALLOUT
MATERIAL FINISH TYPE (SEE FINISH SCHEDULE)

WINDOW CALLOUT
WINDOW NUMBER (SEE WINDOW SCHEDULE)

WALL TYPE CALLOUT
WALL TYPE MARK - SEE A10.11
WALL STC RATING
WALL FIRE RATING TYPE

MATCHLINE REFERENCE
LOCATION ON SHEET
SHEET WHERE PLAN IS DRAWN

KEYNOTE
KEYNOTE NUMBER (SEE LEGEND ON SHEET)

ROOM EXITING INFORMATION
AREA (SQ FT)
OCCUPANT LOAD (AREA DIVIDED BY LOAD FACTOR)
OCCUPANT LOAD FACTOR (REFER TO TABLE 1004.5)
OCCUPANCY TYPE
NUMBER OF EXITS REQUIRED (REFER TO TABLE 1006.2.1)

WIC CASEWORK TAG
MANUFACTURER REFERENCE AND MODEL NUMBER
LOCK
CABINET DEPTH
CABINET HEIGHT
CABINET WIDTH

DISCIPLINE

G	GENERAL
C	CIVIL
L	LANDSCAPE
A	ARCHITECTURE
I	INTERIORS
Q	EQUIPMENT
S	STRUCTURAL
P	PLUMBING
M	MECHANICAL
E	ELECTRICAL
FA	FIRE ALARM
T	TELECOM
AV	AV EQUIPMENT
K	KITCHEN
FP	FIRE PROTECTION

SHEET TYPE

0	CODE ANALYSIS, NOTES
1	SITE PLAN
2	FLOOR PLAN
3	CEILING PLAN
4	ROOF PLAN
5	EXTERIOR ELEVATIONS
6	SECTIONS
7	ENLARGED PLANS
8	INTERIOR ELEVATIONS
9	SCHEDULES
10	DETAILS

BUILDING LETTER, SEGMENT, (USER DEFINED)
USED ONLY IF REQUIRED. IF NOT, COLUMN IS OMITTED

DISCIPLINE | SHEET TYPE | SERIES / ORDER | USER DEFINED (IF APPLICABLE)
A A 1 . 1 1 A . A
BUILDING LETTER (IF APPLICABLE) | FLOOR LEVEL OR SEQUENTIAL ORDER | SEGMENT (IF APPLICABLE)

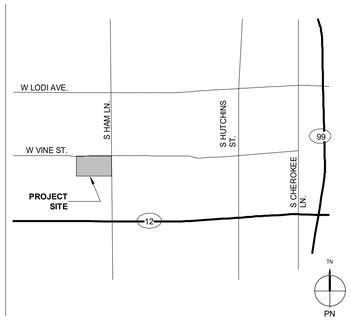
ABBREVIATIONS

(E)	EXISTING
AB	ANCHOR BOLT
AC PAVING	ASPHALTIC CONCRETE PAVING
ACC	ACCESS/ACCESSIBLE
ACP	ACOUSTICAL CEILING PANEL
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJACENT/ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
ARCH	ARCHITECTURAL
ATT	ATTENUATION
AUTO	AUTOMATIC
BD	BOARD
BLCG	BLOCKING
BUR	BUILT UP ROOFING
CABT	CABINET
CF	CUBIC FEET
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
CG	CORNER GUARD
CJ	CONTROL JOINT
CL	CENTER LINE
CLF	CHAIN LINK FENCE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMP	COMPRESSION / COMPOSITE
CF	CUBIC FEET
COORD	COORDINATE
CORR	CORRUGATED
CT	CERAMIC TILE
CTSK	COUNTER SKUNK
CW	CURTAINWALL
DEPR	DEPRESSED / DEPRESSION
DF	DRINKING FOUNTAIN
DIM	DIMENSION
DISP	DISPENSER
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
E/W	EACH WAY
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION / ELEVATOR
ENCL	ENCLOSE / ENCLOSURE
EOS	EDGE OF SLAB
EP	ELECTRICAL PANEL
EQ	EQUAL
ESC	EXCUTCHEON
EWC	ELECTRIC WATER COOLER
EXP	EXPOSED
FA	FIRE ALARM
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER W/ CABINET
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FSH	FLAT HEAD SCREW
FIN	FINISH
FLR	FLOOR
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FP	FIREPROOFING
FR	FIRE RATED
FRG	FIRE RATED GLASS
FRP	FIBERGLASS REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FS	FINISH SURFACE
FTG	FOOTING
GB	GRAB BAR
GFRC	GLASS FIBER REINFORCED CONCRETE
GL	GLASS TYPE
GLB	GLUE LAMINATED BEAM
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTIC
HB	HOSE BIBB
HD	HEAVY DUTY
HDR	HEADER
HDWR	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HP	HIGH POINT
HSS	HOLLOW STEEL SECTION
ID	INSIDE DIAMTER
INT	INTERIOR
INV	INVERT
LANDS	LANDSCAPE
LAV	LAVATORY
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LT WT	LIGHT WEIGHT
LVR	LOUVER
MACH	MACHINE
MB	MACHINE BOLT
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MFR	MANUFACTURER
MH	MANHOLE
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
NIC	NOT IN CONTRACT
NR	NON RATED
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
O/	OVER
O/A	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OFVI	OWNER FURNISHED, VENDOR INSTALLED
OH	OPPOSITE HAND
OPER	OPERABLE
OPNG	OPENING
ORD	OVERFLOW ROOF DRAIN
OTS	OPEN TO STRUCTURE
P/L	PROPERTY LINE
PA	PUBLIC ADDRESS
PAF	POWDER ACTUATED FASTENER
PCC	PAVING PORTLAND CEMENT CONCRETE PAVING
PED	PEDESTRIAN
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PH	PANIC HARDWARE
PIV	POST INDICATOR VALVE
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLUMB	PLUMBING
PNL	PANEL
PNT	PAINT / PAINTED
POC	POINT OF CONNECTION
POLY ISO	POLYISOCYANURATE
PREFIN	PREFINISHED
PREP	PREP / PREPARATION
PTC	POST TENSIONED CONCRETE
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PTS	PNEUMATIC TUBE STATION / SYSTEM
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QT	QUARRY TILE
R	RADIUS, RISER
RB	RESILIENT BASE
RD	ROOF DRAIN
RECEPT	ECEPTACLE
REF	REFERENCE
REFL	REFLECT(ED), (IVE)
REFL	REFLECT(ED), (IVE)
REFR	REFRIGERATOR
REINF	REINFORCE/REINFORCED/ REINFORCEMENT
REM	REMOVE
RH	ROUND HEAD
RHS	ROUND HEAD SCREW
RO	ROUGH OPENING
ROW	RIGHT OF WAY
SCH	SCHEDULE (FOR PIPE)
SCHED	SCHEDULE / SCHEDULING
SD	STORM DRAIN / SOAP DISPENSER
SECT	SECTION
SG	SAFETY GLASS
SHT	SHEET
SHTG	SHEATHING
SMS	SHEET METAL SCREW
SND	SANITARY NAPKIN DISPOSAL
SOV	SHUT OFF VALVE
SPEC	SPECIFICATIONS
SS	STAINLESS STEEL
STC	SOUND TRAMISSION CLASS
STL	STEEL
STSMS	SELF TAPPING SHEET METAL SCREW
SUSP	SUSPENDED
SV	SHEET VINYL
SYM	SYMMETRICAL
T	TREAD
T&B	TOP AND BOTTOM
TO	TOP OF
TOC	TOP OF CURB / CONCRETE
TOP	TOP OF PARAPET
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TS	TACKABLE SURFACE
U/C	UNDER CABINET (OR COUNTER
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VAC	VACUUM
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W/	WITH
W/O	WITHOUT
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WGT	WEIGHT
WH	WATER HEATER
WP	WATERPROOFING/WALL PROTECTION
WR	WATER RESISTANT
WRGB	WATER RESISTANT GYPSUM BOARD
WS	WOOD SCREW
WSCT	WAINSCOT
WWF	WELDED WIRE FABRIC

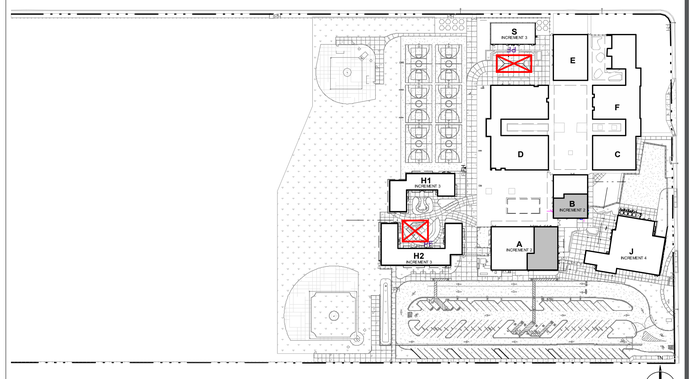
NOTE:
OTHER ABBREVIATIONS USED ON THESE DRAWINGS ARE CONSIDERED STANDARDS IN THE BUILDING INDUSTRY. CONTACT ARCHITECT FOR NECESSARY CLARIFICATION.

STATE MAP

VICINITY MAP



OVERALL SITE PLAN



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LICENSED ARCHITECT — JENNIFER PEARSON HUANG — C-35691 — REN. 05/31/25 — STATE OF CALIFORNIA

PROJECT TEAM

OWNER
LODI UNIFIED SCHOOL DISTRICT
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MECHANICAL/ ELECTRICAL/ PLUMBING
CAPITAL ENGINEERING CONSULTANTS, INC.
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(916) 851-3500

STRUCTURAL
RW CONSULTING ENGINEERS INC.
1450 HARBOR BLVD, SUITE F WEST SACRAMENTO, CA 95691
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FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2

SHEET NAME:
COVER/ PROJECT DATA SHEET

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** CLIENT PROJ NO: **3431007000**

SHEET:

G0.10-2

PLEASE RECYCLE

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INCREMENT 1 SHEET INDEX

NUMBER	NAME	Increment
GENERAL SHEET		
G0.10	COVER SHEET/PROJECT DATA SHEET	1
G0.11	SHEET INDEX	1
2		
PROJECT ANALYSIS		
G1.11	CODE INFORMATION SITE PLAN	1
G1.12	LOCAL FIRE AUTHORITY SITE PLAN	1
2		
*CIVIL		
C0.1	CIVIL COVER SHEET	1
C0.2	TOPOGRAPHIC SURVEY	1
C1.1	PARTIAL CIVIL DEMOLITION PLAN	1
C1.2	PARTIAL CIVIL DEMOLITION PLAN	1
C1.3	PARTIAL CIVIL DEMOLITION PLAN	1
C1.4	PARTIAL CIVIL DEMOLITION PLAN	1
C2.1	PARTIAL GRADING PLAN	1
C2.2	PARTIAL GRADING PLAN	1
C2.3	PARTIAL GRADING PLAN	1
C2.4	PARTIAL GRADING PLAN	1
C3.1	PARTIAL DRAINAGE AND SEWER PLAN	1
C3.2	PARTIAL DRAINAGE AND SEWER PLAN	1
C3.3	PARTIAL DOMESTIC AND FIRE WATER PLAN	1
C3.4	PARTIAL DOMESTIC AND FIRE WATER PLAN	1
C4.1	PAVING PLAN	1
C5.1	DETAILS	1
C5.2	DETAILS	1
C6.1	EROSION CONTROL PLAN	1
C7.1	COVER SHEET	1
C7.2	GENERAL NOTES	1
C7.3	HAM LANE	1
C7.4	WEST VINE ST.	1
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L0.2	IRRIGATION DEMOLITION PLAN	1
L0.3	IRRIGATION DEMOLITION PLAN	1
L0.4	IRRIGATION DEMOLITION PLAN	1
L1.1	TREE PLANTING PLAN	1
L1.2	TREE PLANTING PLAN	1
L1.3	TREE PLANTING PLAN	1
L1.4	TREE PLANTING PLAN	1
L2.1	LANDSCAPE PLANTING PLAN	1
L2.2	LANDSCAPE PLANTING PLAN	1
L2.3	LANDSCAPE PLANTING PLAN	1
L2.4	LANDSCAPE PLANTING PLAN	1
L3.1	LANDSCAPE IRRIGATION PLAN	1
L3.2	LANDSCAPE IRRIGATION PLAN	1
L3.3	LANDSCAPE IRRIGATION PLAN	1
L3.4	LANDSCAPE IRRIGATION PLAN	1
L4.1	LANDSCAPE PLANTING DETAILS	1
L4.2	LANDSCAPE IRRIGATION DETAILS	1
L4.3	IRRIGATION DETAILS, LANDSCAPE AND IRRIGATION NOTES	1
L5.1	IRRIGATION CHARTS	1
L5.2	TREE SHADING CALCULATIONS	1
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A1.02	ENLARGED SITE DEMOLITION PLAN	1
A1.03	SITE DEMOLITION PLAN	1
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A1.31	PARTIAL SITE PLAN	1
A1.32	PARTIAL SITE PLAN	1
A1.33	PARTIAL SITE PLAN	1
A1.41	ENLARGED SITE PLAN - OUTDOOR GATHERING SPACES	1
A1.42	ENLARGED SITE PLAN - OUTDOOR GATHERING SPACES	1
A1.43	ENLARGED SITE PLAN - PARKING	1
A1.45	ENLARGED SITE PLAN - FIELDS/STRIPING	1
A1.46	ENLARGED SITE PLAN - FIELDS/STRIPING	1
A1.47	FENCING AND GATE DETAILS	1
A1.48	FENCING AND GATE DETAILS	1
A1.49	SITE/ GATE & FENCE DETAILS	1
A1.50	SITE/ GATE & FENCE DETAILS	1
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*ELECTRICAL		
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E0.2	ELECTRICAL ONE-LINE DIAGRAM	1
E0.3	ELECTRICAL DETAILS	1
E0.4	ELECTRICAL DETAILS	1
E0.5	TITLE 24 - LTO FORMS	1
E0.6	TITLE 24 - ELC FORMS	1
E1.0	LIGHTING SITE PLAN	1
E1.1	POWER SITE PLAN	1
E2.0	FIRE ALARM SITE PLAN	1
E2.0D	FIRE ALARM DEMO SITE PLAN	1
E3.0	SIGNAL SITE PLAN	1
E3.0D	SIGNAL DEMO SITE PLAN	1
12		
Grand total: 75		

INCREMENT 2 SHEET INDEX

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G1.12-2	LOCAL FIRE AUTHORITY SITE PLAN	2
G1.31-2	EXITING ANALYSIS	2
3		
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~~A1.41-2~~	~~ENLARGED SITE PLANS - SHADE STRUCTURES~~	~~2~~
AA2.10-2	DEMOLITION FLOOR PLAN - UNIT A	2
AA2.11-2	DIMENSION PLAN - UNIT A	2
AA2.12-2	FINISH PLAN - UNIT A	2
AA3.10-2	DEMOLITION REFLECTED CEILING PLAN - UNIT A	2
AA3.11-2	REFLECTED CEILING PLAN - UNIT A	2
AA5.11-2	EXTERIOR ELEVATIONS	2
AA7.11-2	ENLARGED PLANS AND INTERIOR ELEVATIONS	2
AA7.12-2	ENLARGED PLANS AND INTERIOR ELEVATIONS	2
AA8.11-2	INTERIOR ELEVATIONS - UNIT A	2
AA8.12-2	INTERIOR ELEVATIONS - UNIT A	2
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AA8.14-2	INTERIOR ELEVATIONS - UNIT A	2
AA8.15-2	INTERIOR ELEVATIONS - UNIT A	2
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AB2.11-2	DIMENSION PLAN - UNIT B	2
AB2.12-2	FINISH PLAN - UNIT B	2
AB3.10-2	DEMOLITION REFLECTED CEILING PLAN - UNIT B	2
AB3.11-2	REFLECTED CEILING PLAN - UNIT B	2
AB5.11-2	EXTERIOR ELEVATIONS - UNIT B	2
AB7.11-2	ENLARGED PLANS AND INTERIOR ELEVATIONS	2
AB8.11-2	INTERIOR ELEVATIONS - UNIT B	2
AB8.12-2	INTERIOR ELEVATIONS - UNIT B	2
AB8.13-2	INTERIOR ELEVATIONS - UNIT B	2
A9.11-2	DOOR SCHEDULE	2
A9.21-2	WINDOW SCHEDULE	2
A9.22-2	STOREFRONT DETAILS	2
A9.23-2	STOREFRONT/ DOOR DETAILS	2
A9.31-2	INTERIOR FINISH SCHEDULE	2
A10.21-2	WALL TYPES AND OPENING DETAILS	2
A10.31-2	CEILING DETAILS	2
A10.32-2	CEILING DETAILS	2
A10.41-2	ROOF DETAILS	2
A10.61-2	CASEWORK DETAILS	2
A10.62-2	CASEWORK DETAILS	2
A10.71-2	ACCESSIBILITY DETAILS	2
A10.81-2	SIGNAGE DETAILS	2
A10.83-2	INTERIOR DETAILS	2
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*STRUCTURAL		
S0.01	TYPICAL NOTES	2
S0.02	TYPICAL DETAILS	2
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S2.12	PARTIAL ROOF FRAMING PLANS	2
S3.11	WALL ELEVATIONS	2
S3.12	WALL ELEVATIONS	2
S4.11	DETAILS	2
S4.12	DETAILS	2
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PA2.2	PLUMBING FLOOR PLAN - BLDG A	2
PB2.1	PLUMBING DEMOLITION FLOOR PLAN - BLDG B	2
PB2.2	PLUMBING FLOOR PLAN - BLDG B	2
P7.1	PLUMBING TITLE 24	2
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*MECHANICAL		
M0.1	MECHANICAL LEGENDS AND NOTES	2
M0.2	MECHANICAL SCHEDULES	2
MA2.1	MECHANICAL DEMOLITION FLOOR PLAN - BLDG A	2
MA2.2	MECHANICAL DEMOLITION ROOF PLAN - BLDG A	2
MA2.3	MECHANICAL FLOOR PLAN - BLDG A	2
MA2.4	MECHANICAL ROOF PLAN - BLDG A	2
MB2.1	MECHANICAL DEMOLITION FLOOR PLAN - BLDG B	2
MB2.2	MECHANICAL FLOOR PLAN - BLDG B	2
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*ELECTRICAL		
E0.1-2	ELECTRICAL COVER SHEET	2
E0.2-2	ELECTRICAL ONE-LINE DIAGRAM	2
ELA2.10-2	LIGHTING - DEMO FLOOR PLAN - BLDG A	2
ELA2.11-2	LIGHTING - FLOOR PLAN - BLDG A	2
ELB2.10-2	LIGHTING - DEMO FLOOR PLANS - BLDG B	2
ELB2.11-2	LIGHTING - FLOOR PLAN - BLDG B	2
EPA2.10-2	POWER - DEMO FLOOR PLAN - BLDG A	2
EPA2.11-2	POWER - FLOOR PLAN - BLDG A	2
EPB2.10-2	POWER - DEMO FLOOR PLANS - BLDG B	2
EPB2.11-2	POWER - FLOOR PLAN - BLDG B	2
E3.1-2	ELECTRICAL DETAILS	2
E4.1-2	TITLE 24 - LTI FORMS - BLDG A	2
E4.2-2	TITLE 24 - LTI FORMS - BLDG B	2
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*TECHNOLOGY		
T0.1-2	TECHNOLOGY COVER SHEET	2
T0.2-2	TECHNOLOGY RACK ELEVATION	2
T1.10-2	TECHNOLOGY SITE PLAN	2
T0.3-2	TECHNOLOGY ONE-LINE DIAGRAM	2
TA2.10-2	TECHNOLOGY - DEMO FLOOR PLAN - BLDG A	2
TA2.11-2	TECHNOLOGY - FLOOR PLAN - BLDG A	2
TB2.10-2	TECHNOLOGY - DEMO FLOOR PLANS - BLDG B	2
TB2.11-2	TECHNOLOGY - FLOOR PLAN - BLDG B	2
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FA0.1-2	FIRE ALARM COVER SHEET	2
FA0.2-2	FIRE ALARM SEQUENCE OF OPERATIONS AND DETAILS	2
FA1.10-2	FIRE ALARM SITE PLAN	2
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FA0.3.1-2	FIRE ALARM SYSTEM CALCULATIONS	2
FA0.4-2	FIRE ALARM RISER DIAGRAM	2
FAA2.10-2	FIRE ALARM - DEMO FLOOR PLAN - BLDG A	2
FAA2.11-2	FIRE ALARM - FLOOR PLAN - BLDG A	2
FAB2.10-2	FIRE ALARM - DEMO FLOOR PLANS - BLDG B	2
FAB2.11-2	FIRE ALARM - FLOOR PLAN - BLDG B	2
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~~PC 30X64 SHADE STRUCTURE - A# 04-122375~~		
~~LS1.0~~	~~GENERAL INFO~~	~~2~~
~~LS1.1~~	~~GENERAL INFO~~	~~2~~
~~LS1.2~~	~~DSA 103~~	~~2~~
~~LS1.3~~	~~DSA 103~~	~~2~~
~~LS3.0~~	~~30' WIDE RECTANGULAR HIP FOUNDATION PLAN~~	~~2~~
~~LS3.1~~	~~30' WIDE RECTANGULAR HIP AND HIP FRAMING AND CONNECTION DETAILS~~	~~2~~
~~LS3.4~~	~~30' WIDE RECTANGULAR HIP STANDING SEAM ROOFING PLAN~~	~~2~~
~~LS5.0~~	~~ELECTRICAL ACCESS~~	~~2~~
~~8~~		
~~PG SHADE STRUCTURE - #04-123501~~		
~~T-1.0~~	~~TITLE SHEET~~	~~2~~
~~T-2.0~~	~~UNIT SELECTION~~	~~2~~
~~T-3.0~~	~~T&I FORMS~~	~~2~~
~~27 1 1000~~	~~PRODUCT INFORMATION~~	~~2~~
~~27 2 2000~~	~~SPECIFICATIONS~~	~~2~~
~~6~~		
Grand total: 109		

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

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LICENSED ARCHITECT
JENNIFER PEARSON HSIANG
C-35691
REN. 05/31/25
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
SHEET INDEX

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10**
CLIENT PROJ NO: **3431007000**
SHEET:

G0.11-2

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THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOT. IF NOT, ADJUST SCALE ACCORDINGLY

BUILDING DATA

BUILDING NAME	(E) OCC.TYPE	(N) OCC.TYPE	CONST. TYPE	SPRINKLER SYSTEM	ACTUAL BUILDING SF	ACTUAL OVERHANG	ACTUAL TOTAL	ACTUAL BUILDING HEIGHT	NUMBER OF STORIES	OCCUPANCY CALCULATION
(A) - ADMIN/OFFICES [1]	A-2, A-3, B NON-SEPARATED	A-3, B NON-SEPARATED	V-B	NO	4,175 S.F. (IMPACTED AREA ONLY)	N/A	N/A	21'-6"	1	
(B) - ADMIN/OFFICES [1]	A-3, B NON-SEPARATED	A-3, B NON-SEPARATED	V-B	NO	2,847 S.F. (IMPACTED AREA ONLY)	N/A	N/A	21'-6"	1	
~~(S1) - SHADE STRUCTURE~~	~~N/A~~	~~A-3~~	~~II-B~~	~~NO~~	~~1,920 S.F.~~	~~N/A~~	~~1,920 S.F.~~	~~16'-0"~~	~~1~~	~~1,920 S.F. / 15 NET = 128 OCC.~~
~~(G) - SHADE STRUCTURE~~	~~N/A~~	~~A-3~~	~~V-B~~	~~NO~~	~~690 S.F.~~	~~N/A~~	~~510 S.F.~~	~~16'-0"~~	~~1~~	~~690 S.F. / 15 NET = 46 OCC.~~

FOOT NOTES:

1. ALL BUILDING AREA IS EXISTING AREA ORIGINAL TO THE BUILDING. NO ADDITIONAL AREA IS ADDED UNDER THIS PROJECT.
2. NO CHANGE IN USE/OCCUPANCY FROM EXISTING UNITS A AND B

EXISTING PATH OF TRAVEL (POT): ARCHITECT STATEMENT

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE IN CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR **PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS**. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT
1) HAVE BEEN IDENTIFIED AND
2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.

ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT TO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

BUILDING DATA

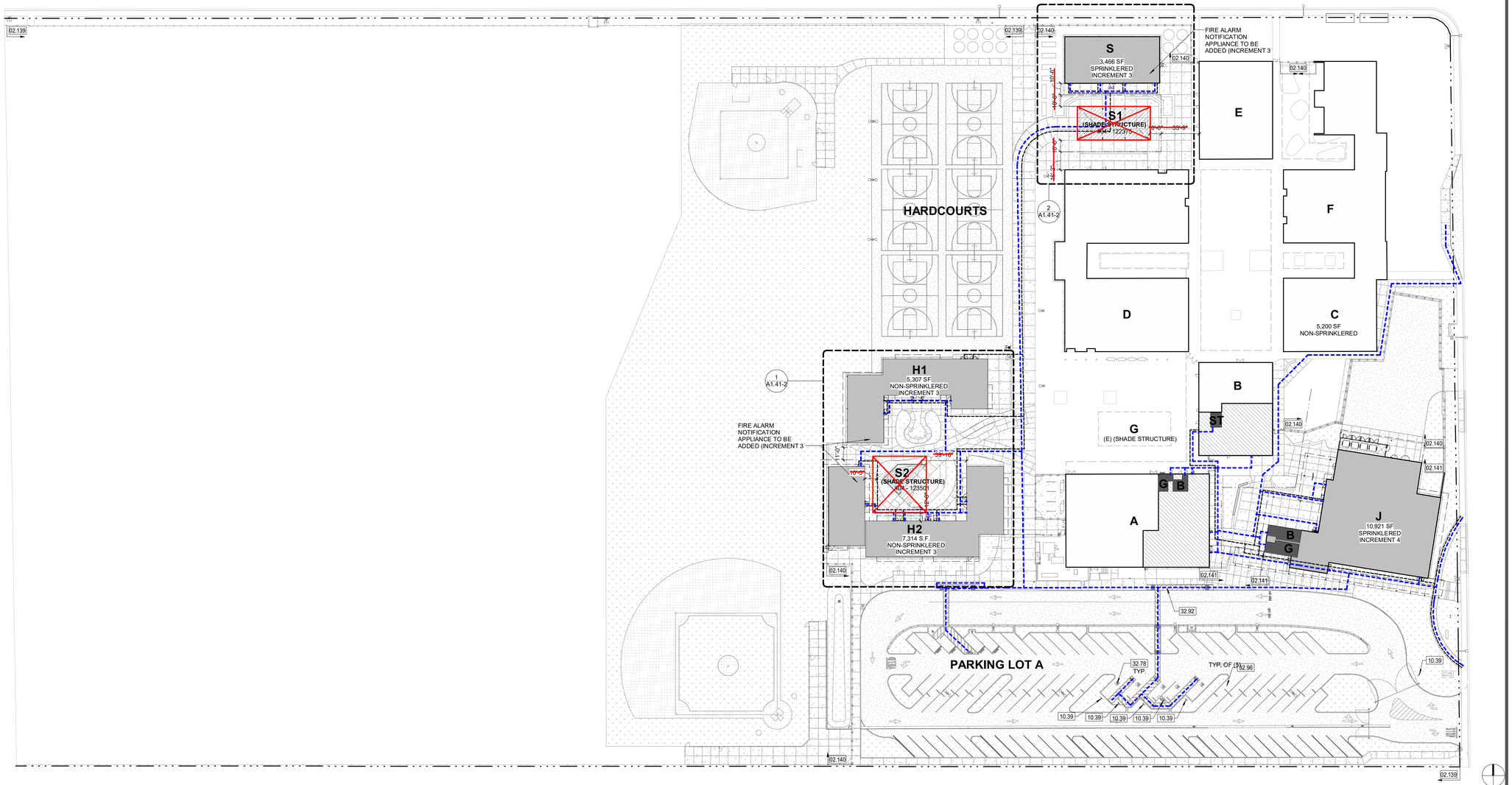
UNIT	OCC.	APPLICATION	AREA	CERTIFIED
A	E, A-3	02-120272 24025, 51591, 02-109532, 02-111649, THIS APPLICATION	10,240 S.F.	Y
B	B	02-120272 24025, 02-109532, THIS APPLICATION	5,200 S.F.	Y
C	E	02-120272 24025, 02-109532	5,200 S.F.	Y
D	E	02-120272 24025, 02-109532, 02-111649	15,070 S.F.	Y
E	E	02-120272 24025 AND 02-109532	5,525 S.F.	Y
F	E	02-120272 29702, 02-102227, 02-103249, 02-109532	11,065 S.F.	Y
G	E	02-112412	1,920 S.F.	Y
H1	E	THIS APPLICATION (INCREMENT #3)	5,307 S.F.	
H2	E	THIS APPLICATION (INCREMENT #3)	7,314 S.F.	
J	E	THIS APPLICATION (INCREMENT #4)	10,921 S.F.	
S	E	THIS APPLICATION (INCREMENT #3)	3,466 S.F.	
~~S1~~	~~A2~~	~~THIS APPLICATION (INCREMENT #2)~~	~~1,920 S.F.~~	
~~S2~~	~~A2~~	~~THIS APPLICATION (INCREMENT #2)~~	~~690 S.F.~~	

PARKING LOT 'A' ACCESSIBLE PARKING STALL CALCULATION

TOTAL PARKING STALL COUNT:	95 STALLS
ACCESSIBLE PARKING STALLS	(TABLE 11B-208.2)
REQUIRED ACCESSIBLE STALLS:	4 (76-100 TOTAL STALLS)
REQUIRED VAN ACCESSIBLE STALLS:	1 (1-6 ACCESSIBLE STALLS)
ACCESSIBLE STALLS PROVIDED:	4 STANDARD & 1 VAN
REQUIRED EVCS STALLS:	4 (76-100 TOTAL STALLS)
REQUIRED VAN ACCESSIBLE EVCS:	1 VAN REQUIRED
EVCS STALLS PROVIDED:	3 STANDARD & 1 VAN
REQUIRED EV CAPABLE STALLS:	17 (76-100 TOTAL STALLS)
EV CAPABLE STALLS PROVIDED:	17 PROVIDED

LEGEND

- PROPERTY LINE
- ASSUMED PROPERTY LINE
- ACCESSIBLE PATH OF TRAVEL
- PATH OF EXIT DISCHARGE TO PUBLIC WAY
- OVERHANG LINE ABOVE
- (E) CHAIN LINK FENCE POSTS SHOWN ARE DIAGRAMMATIC.
- (N) CHAIN LINK FENCE POSTS SHOWN ARE DIAGRAMMATIC.
- 4'-0" TALL ORNAMENTAL METAL FENCE POSTS SHOWN ON PLANS ARE DIAGRAMMATIC.
- 7'-0" TALL ORNAMENTAL METAL FENCE POSTS SHOWN ON PLANS ARE DIAGRAMMATIC.
- 7'-0" TALL FORMED METAL FENCE, FENCE POSTS SHOWN ON PLANS ARE DIAGRAMMATIC
- NEW FIRE LANE
- X NEW BUILDING INCREMENT #3 BUILDINGS H1 & H2 AND BUILDING S INCREMENT #4 BUILDING J
- X EXISTING BUILDING
- X FUTURE INCREMENT
- INCREMENT 2 AREA OF MODERNIZATION TO EXISTING BUILDING
- (X) ACCESSIBLE TOILET ROOMS
- B = BOYS TOILET ROOM
- G = GIRLS TOILET ROOM
- NEW SHADE STRUCTURE
- EXPANSION JOINT
- CONCRETE WALK CONTROL JOINT
- ASPHALT CONCRETE PAVING
- LANDSCAPE
- A FIRE HYDRANT
- TRUNCATED DOMES



OVERALL SITE PLAN - CODE ANALYSIS

1
1" = 40'-0"

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
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LICENSED ARCHITECT JENNIFER PEARSON HANG C-35691 REN. 05/31/25 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

ACCESSIBLE PATH OF TRAVEL

1. ACCESSIBLE PATH OF TRAVEL (P.O.T.): SITE WALKWAYS SHALL PROVIDE A BARRIER-FREE P.O.T. ABRUPT CHANGES IN LEVEL ALONG ANY P.O.T. ARE ALLOWED UP TO 1/2". ONLY ABRUPT CHANGES IN ELEVATION UP TO 1/4" ARE ALLOWED TO HAVE A VERTICAL TRANSITION. ABRUPT CHANGES IN ELEVATION BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1-UNIT VERTICAL TO 2-UNITS HORIZONTAL. GATES IN THE P.O.T. SHALL HAVE A SIGN ADJACENT TO THE GATE, IN ALL CAPITALIZED LETTERS, WHICH READS: "THIS GATE TO REMAIN LOCKED IN OPEN POSITION DURING SCHOOL HOURS OR ANY PUBLIC EVENT".

2. THE CONTRACTOR SHALL PROVIDE A P.O.T. FROM THE DISABLED ACCESSIBLE PARKING STALLS TO ALL BUILDINGS AND SITE FUNCTIONS. CONTRACTOR SHALL VERIFY THAT THE P.O.T. IS BARRIER-FREE AS DESCRIBED IN THESE NOTES.

3. WALKWAYS SHALL BE FREE OF GRATINGS WHEREVER POSSIBLE. GRATING WHICH OCCUR WITHIN THE P.O.T. SHALL HAVE OPENINGS WHICH DO NOT EXCEED 1/2" IN THE DIRECTION OF TRAVEL PER CBC SECTION 1133B.7.2.

4. AN ABRUPT DROP-OFF CHANGE IN ELEVATION AT THE EDGE OF ANY WALK INTO AN ADJACENT PLANTER SHALL NOT EXCEED 4".

5. SLOPES IN THE DIRECTION OF THE P.O.T. GREATER THAN 1-UNIT VERTICAL TO 20-UNITS HORIZONTAL SHALL BE CONSIDERED A RAMP AND WILL REQUIRE HANDRAILS ON BOTH SIDES PER CBC SECTION 1133B.5.5 SLOPES IN THE DIRECTION OF THE P.O.T. ALONG WALKWAYS SHALL NOT EXCEED 5%. CROSS SLOPES IN THE P.O.T. ALONG WALKWAYS SHALL NOT EXCEED 2%.

6. ALL WALKWAYS WITHIN THE P.O.T. SHALL BE A MINIMUM OF 48" IN WIDTH. SURFACES WITH A SLOPE OF LESS THAN 6% SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT PROVIDED BY A MEDIUM BROOM FINISH. SURFACES WITH A SLOPE OF MORE THAN 6% SHALL BE SLIP-RESISTANT.

7. OBJECTS PROTRUDING INTO THE P.O.T. SHALL NOT REDUCE THE CLEAR WIDTH OR MANEUVERING SPACE WITHIN THE P.O.T. PER CBC SECTION 1133B.8.6.

8. ARCHITECT HAS SURVEYED/ INSPECTED THE PATH OF TRAVEL (P.O.T.) AS INDICATED ON THE PLANS AND HAS FOUND IT TO BE, OR HAS INDICATED ON THE PLANS REMEDIAL WORK WHICH WOULD CAUSE IT TO BE, A BARRIER FREE ACCESSIBLE ROUTE:
   a. AT LEAST 48" IN. WIDTH; OR AS APPROVED BY CODE;
   b. WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BELVELED AT 1:2 MAXIMUM SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING 1/4";
   c. WITH A FIRM, STABLE, AND SLIP RESISTANT WALKING SURFACE;
   d. WITH A RUNNING SLOPE OF 1:20 OR LESS, UNLESS OTHERWISE INDICATED, AND A CROSS SLOPE OF 1:50 OR LESS;
   e. IS FREE OF OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE WALKING SURFACE; AND
   f. IS FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE.

KEYNOTES

02.139	(E) CHAINLINK FENCE
02.140	(E) DECORATIVE METAL FENCE
02.141	(E) 7'-0" CUSTOM PERFORATED METAL PLATE WALL PANEL FENCING,
10.39	PARKING LOT ENTRANCE SIGN. SEE 10. 24/A1.43
32.78	TYPICAL PAINTED DISABLED ACCESSIBLE SYMBOL
32.92	ACCESSIBLE DROP-OFF AREA PER THIS APPLICATION
32.96	ACCESSIBLE PARKING STALL PER THIS APPLICATION

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
CODE INFORMATION SITE PLAN

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

G1.11-2

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CITY OF LODI
FIRE DEPARTMENT
230 WEST ELM STREET
LODI, CALIFORNIA 95240

Est. 1907

November 15, 2024

Please find the hydrant flow data you requested.

Hydrant #1
Dual 2.5" outlet dry barrel
Static 56 PSI
2.5" outlet at 1180 GPM
Residual 40 PSI

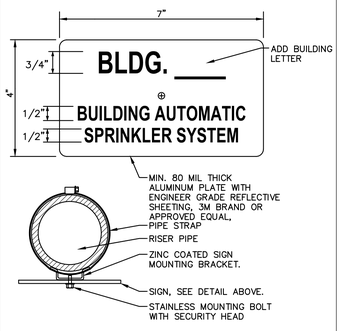
Hydrant #2
4 1/2" streamer with single 2.5" outlet
Static 56 PSI
2.5" outlet at 1180 GPM
Residual 50 PSI

Let me know if you need anything additional.

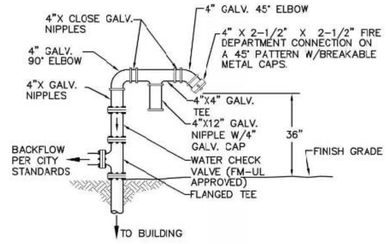
Brad Doell,
Fire Marshal City of Lodi Fire Department

FIRE ADMINISTRATION (209) 333-6755
FIRE PREVENTION (209) 333-6759
FAX (209) 333-6844

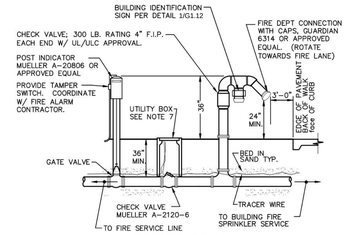
DETAIL 1 - BUILDING IDENTIFICATION SIGN



FIRE DEPARTMENT CONNECTION ASSEMBLY AT VINE STREET



FIRE DEPARTMENT CONNECTION ASSEMBLY AT HAM LANE



FIRE DEPARTMENT NOTES

1. THE INSTALLATION OF ALL ON-SITE FIRE PROTECTION SYSTEMS SHALL BE IN ACCORDANCE WITH N.F.P.A. 24 AND FIRE DEPARTMENT STANDARDS.
2. ALL ON-SITE FIRE PROTECTION SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF N.F.P.A. 24 AND SHALL BE WITNESSED BY THE FIRE DEPARTMENT. UNDERGROUND PIPING SHALL BE FLUSHED PER NFPA13 AND RISER STUB-UP IMMEDIATELY CAPPED.
3. THE INSTALLING CONTRACTOR, OR SUBCONTRACTOR, FOR ALL ON-SITE FIRE PROTECTION SYSTEMS SHALL NOTIFY THE FIRE DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF REQUESTING A DATE AND TIME FOR INSPECTIONS.
4. IF PLASTIC PIPE IS INSTALLED FOR FIRE PROTECTION SYSTEMS, THE PIPE SHALL BE C-900 CLASS 200.
5. AFTER INSTALLATION, RODS, NUTS, BOLTS, WASHERS, CLAMPS, AND OTHER RESTRAINING DEVICES, EXCEPT THRUST BLOCKS, USED ON ON-SITE FIRE PROTECTION SYSTEMS SHALL BE CLEANED AND THOROUGHLY COATED WITH A BITUMINOUS OR OTHER ACCEPTABLE CORROSION-RETARDING MATERIAL.
6. ALL PIPES AND FITTINGS SHALL BE WRAPPED PER N.F.P.A. 24 AND BEDDED IN SAND.
7. PROVIDE UTILITY BOX FOR 4" - 6" VALVE CHRISTY N4B, FOR 8"+ CHRISTY N52 OR APPROVED EQUAL. PROVIDE 12" MIN CHAIN WELDED TO LIDS AND BOLTED TO INSIDE OF BOX. LID SHALL BE TRAFFIC RATED IF WITHIN A TRAFFIC AREA.

DSA-810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

PROJECT INFORMATION

School District:	LODI UNIFIED SCHOOL DISTRICT
Project name / school:	LODI MIDDLE SCHOOL
Project address:	945 S HAM LN, LODI, CA 95242

FIRE & LIFE SAFTEY INFORMATION — ALTERNATE ACCEPTED

1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data)*	Yes [X]	No [ ]
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes [X]	No [ ]
3.	Is the project located within a designated fire hazard serverity zone as established by Cal-Fire? *(If yes, indicate fire hazard zone classification below)*	Yes [ ]	No [X]
	Refer to the following for fire hazard zone locations: *www. fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps*	Moderate [ ]	High [ ] Very High [ ]
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A)*		WIFA [ ]

CONDITION MEANS AND METHODS RESOLUTION — ALTERNATE ACCEPTED

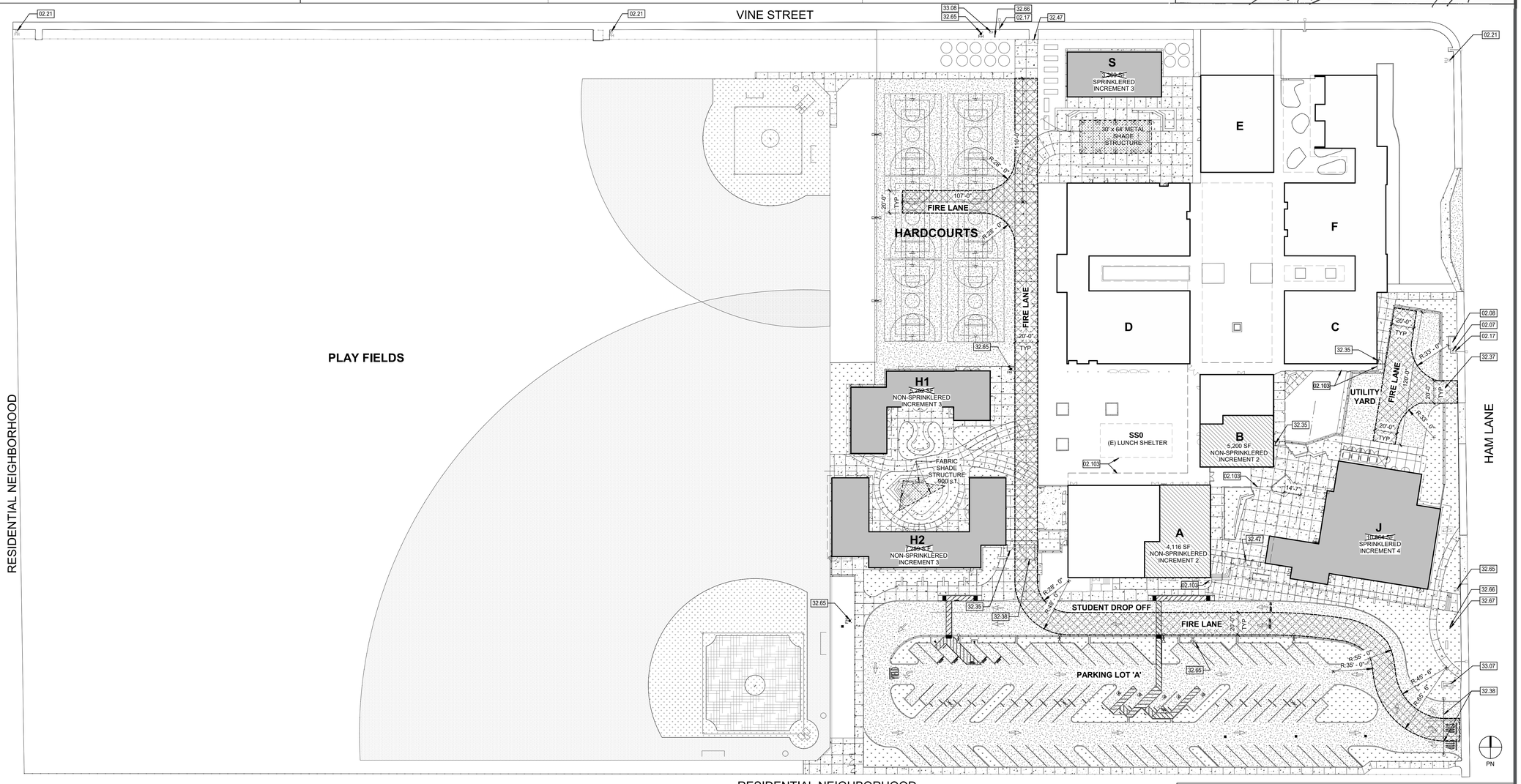
		Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements			X	
4a.	**Acceptable Alternative:** Emergency vehicle and personel access as proposed by the architect is acceptable for providing fire suppression and protection of life and property				
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements				
5a.	**Acceptable Alternative:** Number of fire hydrants and spacing as proposed by the architect is acceptable for fire suppression and protection of life and property.	X			
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.			X	
6a.	**Acceptable Alternative:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler system or standpipe system does not meet CFC requirements.			X	
7a.	**Acceptable Alternative:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates
By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements as indicated by one of more of the conditions indicated at items 4a, 5a, 6a, or 7a, for providing fire and life safety protection of life and property.

Accepted by: Edith Holbert — Title: Exec. Dir. of Operations
Signature: [signature] — Date: 3/28/25

LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name: Lodi Fire
LFA Review Official: Brad Doell
Title: Fire Marshal — Work Phone: 209-333-6739
Work Email: bdoell@lodi.gov
LFA Reviewer's Signature: [signature] — Date: 11/13/24



INFORMATION ONLY SHEET
THIS PLAN INCLUDES CODE INFORMATION ONLY. REFER TO THE SUBSEQUENT PLANS FOR SITE CONSTRUCTION DETAILS, INCLUDING ACCESSIBLE FEAURES ALONG ACCESSIBLE PATH OF TRAVEL

LOCAL FIRE AUTHORITY SITE PLAN 1
1" = 40'-0"

PLEASE RECYCLE

AGENCY APPROVAL:

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APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT
JENNIFER PEARSON PENG
C-35691
REN. 05/31/25
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

LEGEND

- PROPERTY LINE
- ASSUMED PROPERTY LINE
- OVERHANG LINE ABOVE
- CHAIN LINK FENCE
- ORNAMENTAL METAL FENCE POSTS SHOWN ON PLANS ARE DIAGRAMMATIC.
- NEW FIRE LANE
- X — NEW BUILDING
- X — EXISTING BUILDING
- X — MODERNIZED BUILDING
- EXPANSION JOINT
- CONCRETE WALK
- CONTROL JOINT
- ASPHALT CONCRETE PAVING
- LANDSCAPE, SEE LANDSCAPE DRAWINGS
- FIRE HYDRANT - SEE CIVIL DRAWINGS
- TRUNCATED DOMES

KEYNOTES

02.07 (E) TRASH ENCLOSURE TO REMAIN; PROTECT IN PLACE
02.08 (E) BENCHES TO REMAIN; PROTECT IN PLACE
02.17 (E) LIGHT POLE TO REMAIN, PROTECT IN PLACE | ELEC
02.21 (E) FIRE HYDRANT
02.103 LINE INDICATES ROOF OVERHANG ABOVE
32.35 4'-0" W X 7'-0" H DECORATIVE METAL GATE WITH KNOX LOCK. KNOX LOCK PER LOCAL FIRE AUTHORITY STANDARDS. PROVIDE EXIT HARDWARE
32.37 20' - 0" W X 7' - 0" H DECORATIVE ROLLING GATE WITH KNOX LOCK. KNOX LOCK PER LOCAL FIRE AUTHORITY STANDARDS
32.38 20' - 0' WIDTH X 7' - 0" TALL FORMED METAL ROLLING GATE, SEE 12/A1.48
32.47 GATE WITH KNOX LOCK, KNOX LOCK PER LOCAL FIRE AUTHORITY STANDARDS
32.65 FIRE HYDRANT - SEE CIVIL DWGS
32.66 FIRE DEPARTMENT CONNECTION - SEE CIVIL DWGS
32.67 POST INDICATOR VALVE - SEE CIVIL DWGS
33.07 8" FIRE SERVICE WITH DOMESTIC SERVICE PER CITY OF LODI STD. PLAN 407.
33.08 PROVIDE 3" DOMESTIC PER CITY OF LODI, STD. PLAN 406, 412, AND 413. | CIVIL

GENERAL NOTE

THE LOCATIONS OF PROPOSED FIRE HYDRANTS HAVE BEEN REVIEWED AND ACCEPTED BY THE LOCAL FIRE AUTHORITY.

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE
LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 1
Author
SHEET NAME:
LOCAL FIRE AUTHORITY SITE PLAN

100% CONSTRUCTION DOCS

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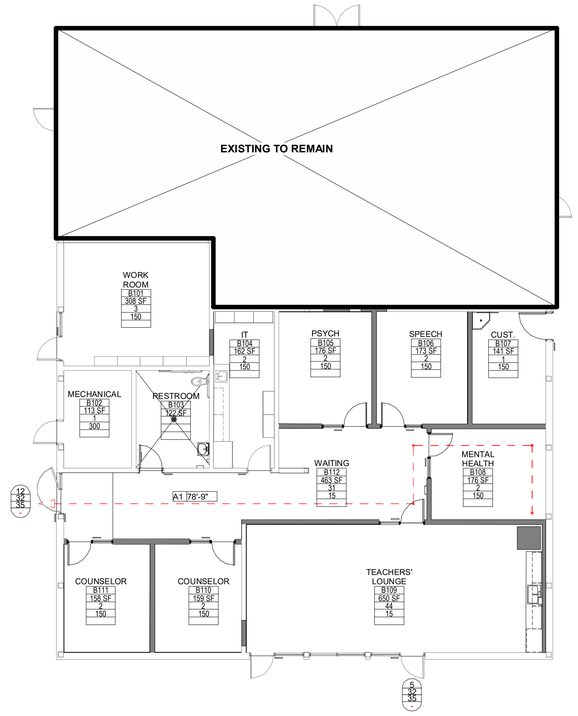
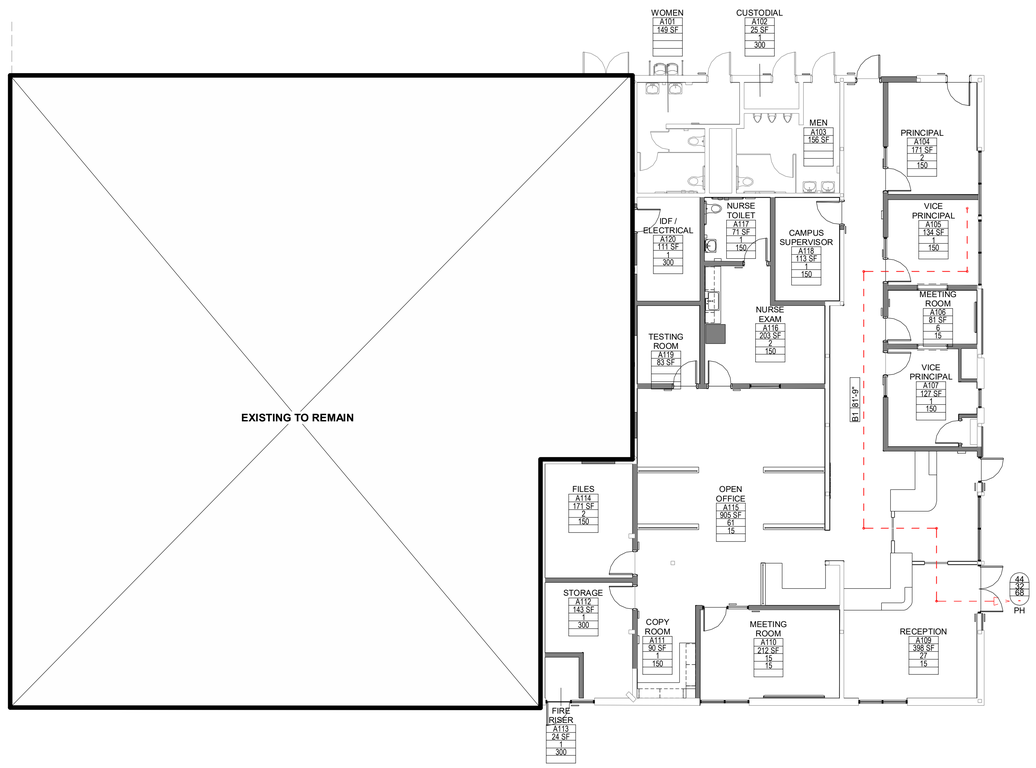


BUILDING B - EXITING FLOOR PLAN

2

1/8" = 1'-0"



BUILDING A - EXITING FLOOR PLAN

1

1/8" = 1'-0"

LEGEND

DISTANCES

EX 19'-7" — DISTANCE- EGRESS PATH

BUILDING ELEMENTS

NON-RATED PARTITION, HATCH INDICATES WALL SIZE, SEE AA2.12

15 32 34 PH

- OCCUPANTS REQUIRED (EGRESS)
- DOOR WIDTH MINIMUM (EGRESS)
- DOOR WIDTH PROVIDED (EGRESS)
- PANIC HARDWARE (WHEN PROVIDED)

ROOM NAME 300 1500F OL OL7

- ROOM NUMBER
- AREA (SQ FT)
- OCCUPANT LOAD (AREA DIVIDED BY LOAD FACTOR)
- OCCUPANT LOAD FACTOR (CBC TABLE 1004.1.1)

NOTES

NOTES

KEYNOTES

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LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT JENNIFER PEARSON-HUANG C-35691 REN. 05/31/25 STATE OF CALIFORNIA

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FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
EXITING ANALYSIS

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

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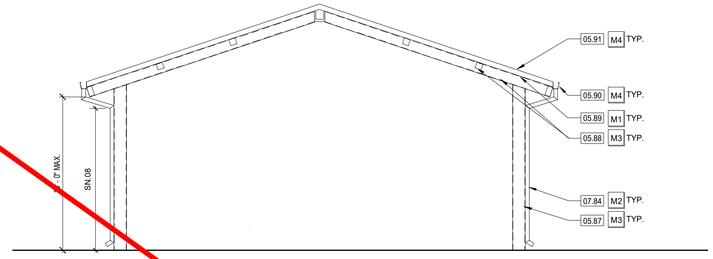


SECTION - ICON SHADE STRUCTURE 4
1/4" = 1'-0"

EXTERIOR COLOR SCHEDULE

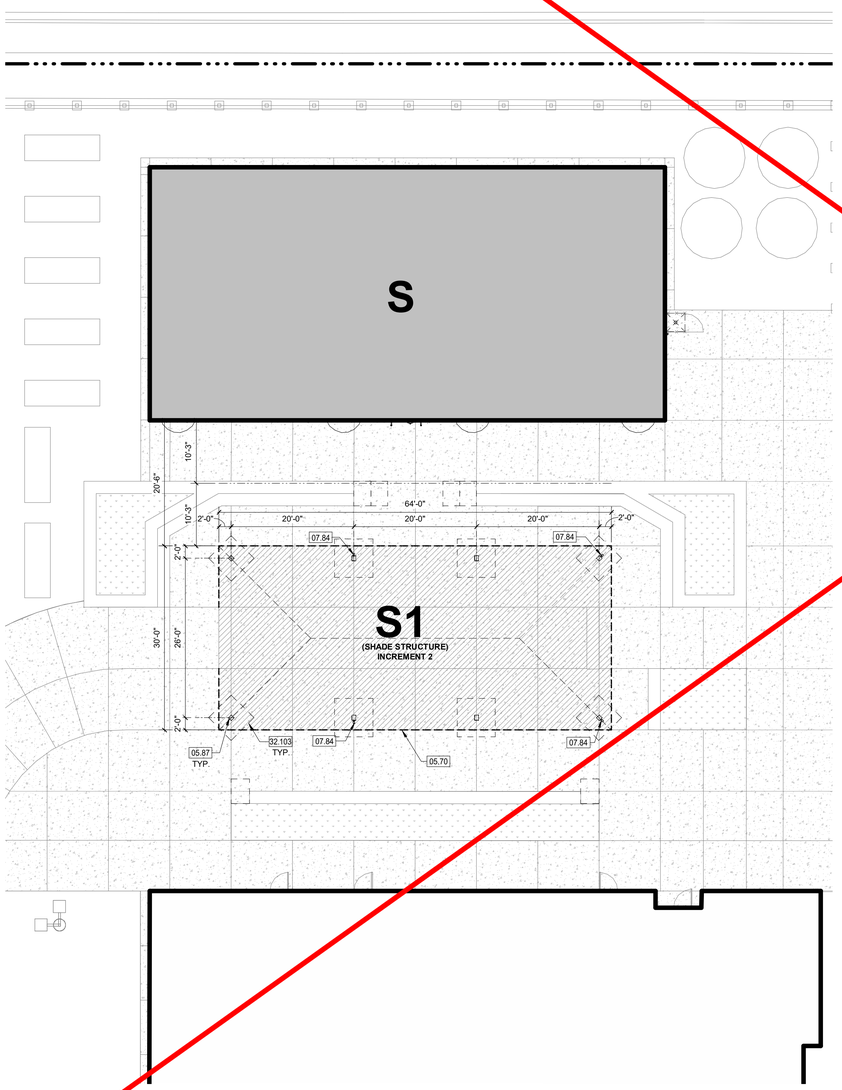
	MATERIAL	COLOR
M1	METAL	METAL FINISH COLOR 1 (1)
M2	METAL	METAL FINISH COLOR 2 (1)
M3	METAL	METAL PREFINISH COLOR (1) (3)
M4	METAL	METAL PREFINISH COLOR (1) (4)

(1) CUSTOM COLORS TO BE SUBMITTED PER SPECIFICATIONS.

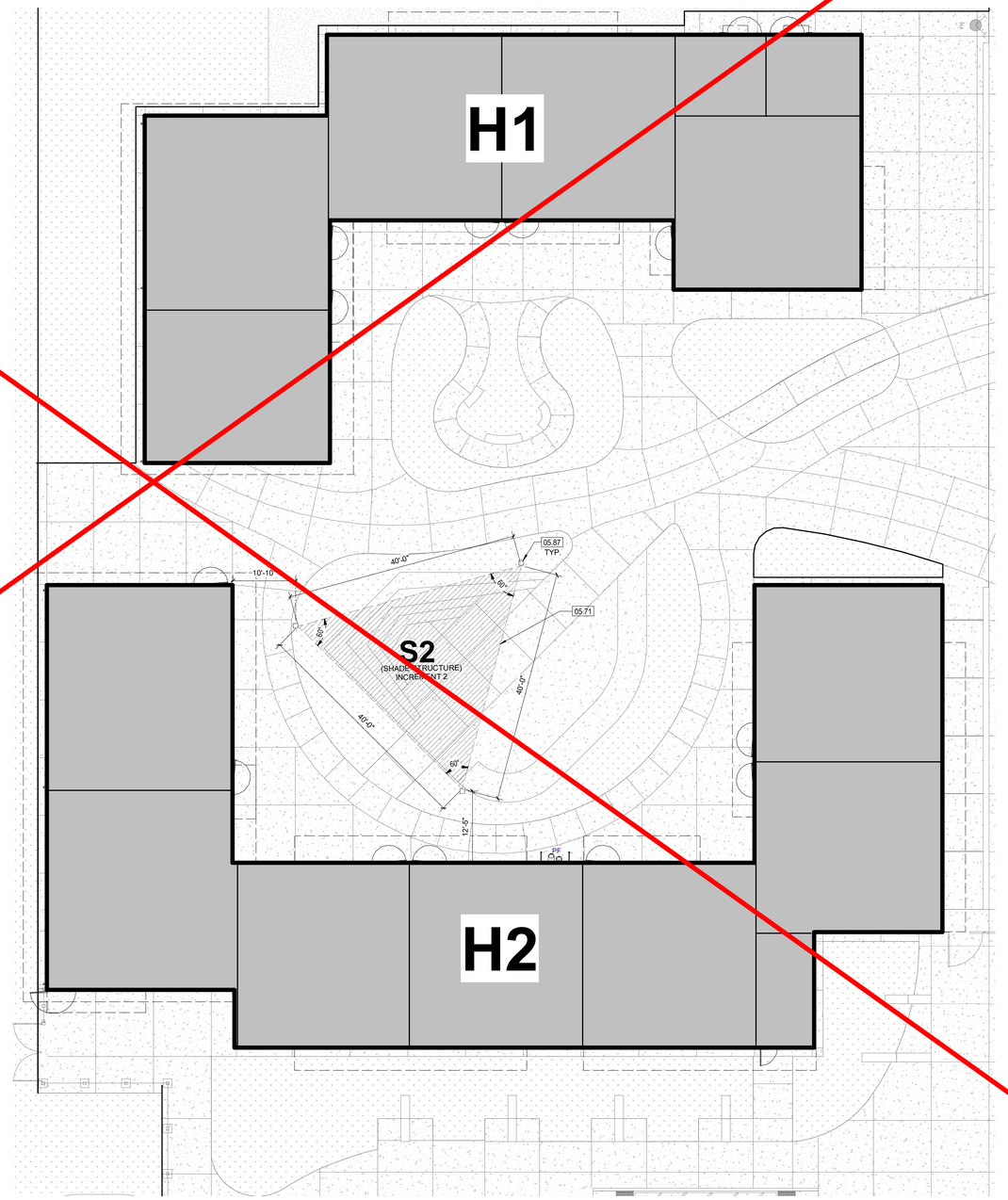
(2) CLEAN, PREP AND PAINT ALL SURFACES NOT PREFINISHED.

KEYNOTES

05.70	METAL SHADE STRUCTURE PER PC #04 - 122375
05.71	FABRIC SHADE STRUCTURE, HEIGHT OF POSTS TO BE 15'-0", INSTALL PER PC #04-123501
05.87	HSS COLUMN
05.88	HSS BEAM
05.89	PAINT DECK UNDERSIDE
05.90	PREFINISHED GUTTER AND FLASHING
05.91	PREFINISHED STANDING SEAM ROOF
07.84	3" DIAMETER SCHEDULE 40 STEEL DOWNSPOUT, PAINTED, PAINT TO MATCH ADJACENT MATERIAL COLOR
32.103	SPREAD FOOTING SHOWN DASHED



ENLARGED SITE PLAN 2
1" = 10'-0"



ENLARGED SITE PLAN 1
1" = 10'-0"

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HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

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C-35691
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LEGEND

- PROPERTY LINE
- ASSUMED PROPERTY LINE
- OVERHANG LINE ABOVE
- (E) CHAIN LINK FENCE POSTS SHOWN ARE DIAGRAMMATIC.
- 4'-0" TALL ORNAMENTAL METAL FENCE POSTS SHOWN ON PLANS ARE DIAGRAMMATIC.
- 6'-0" TALL ORNAMENTAL METAL FENCE POSTS SHOWN ON PLANS ARE DIAGRAMMATIC.
- 8'-0" TALL FORMED METAL FENCE, FENCE POSTS SHOWN ON PLANS ARE DIAGRAMMATIC
- NEW FIRE LANE
- X NEW BUILDING INCREMENT #3 BUILDINGS H1 & H2 AND BUILDING S INCREMENT #4 BUILDING J
- X EXISTING BUILDING
- X FUTURE INCREMENT
- INCREMENT 2 AREA OF MODERNIZATION TO EXISTING BUILDING
- EXPANSION JOINT / CONCRETE WALK / CONTROL JOINT
- ASPHALT CONCRETE PAVING
- NEW SHADE STRUCTURE
- LANDSCAPE SEE LANDSCAPE PLANTING PLANS
- A FIRE HYDRANT
- TRUNCATED DOMES

NOTES

1. REFER TO SHEET G0.10 FOR TYPICAL SYMBOLS AND ABBREVIATIONS.
2. REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR PAVING AND PLANTING INFORMATION.
3. REFER TO ELECTRICAL DRAWINGS FOR UTILITY INFORMATION.
4. CONTRACTOR IS RESPONSIBLE FOR REPAIR/REPLACEMENT OF ALL HARDSCAPE/PLANTING OUTSIDE OF LIMIT OF WORK LINE FOR CONNECTION OF UNDERGROUND UTITLITIES.
5. REPAIR/REPLACE ACCESSIBLE PARKING SIGNAGE WHERE APPROPRIATE.
6. DURING DEMOLITION AND/OR CONSTRUCTION PHASES, THE CONTRACTOR SHALL PROVIDE FIRE SAFETY PRECAUTIONS AS DESCRIBED IN AND REQUIRED BY THE CALIFORNIA FIRE CODE, CURRENT EDITION, CHAPTER 14 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION. SAFETY MEASURES INCLUDE BUT ARE NOT LIMITED TO MAINTAINING FIRE DEPARTMENT ACCESS BY MEANS OF TEMPORARY ROADS, CUTTING AND WELDING PRECAUTIONS AND MAINTAINING WATER SUPPLIES FOR FIREFIGHTING PURPOSES.

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
ENLARGED SITE PLANS - SHADE STRUCTURES

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** CLIENT PROJ NO: **3431007000**

SHEET:

A1.41-2

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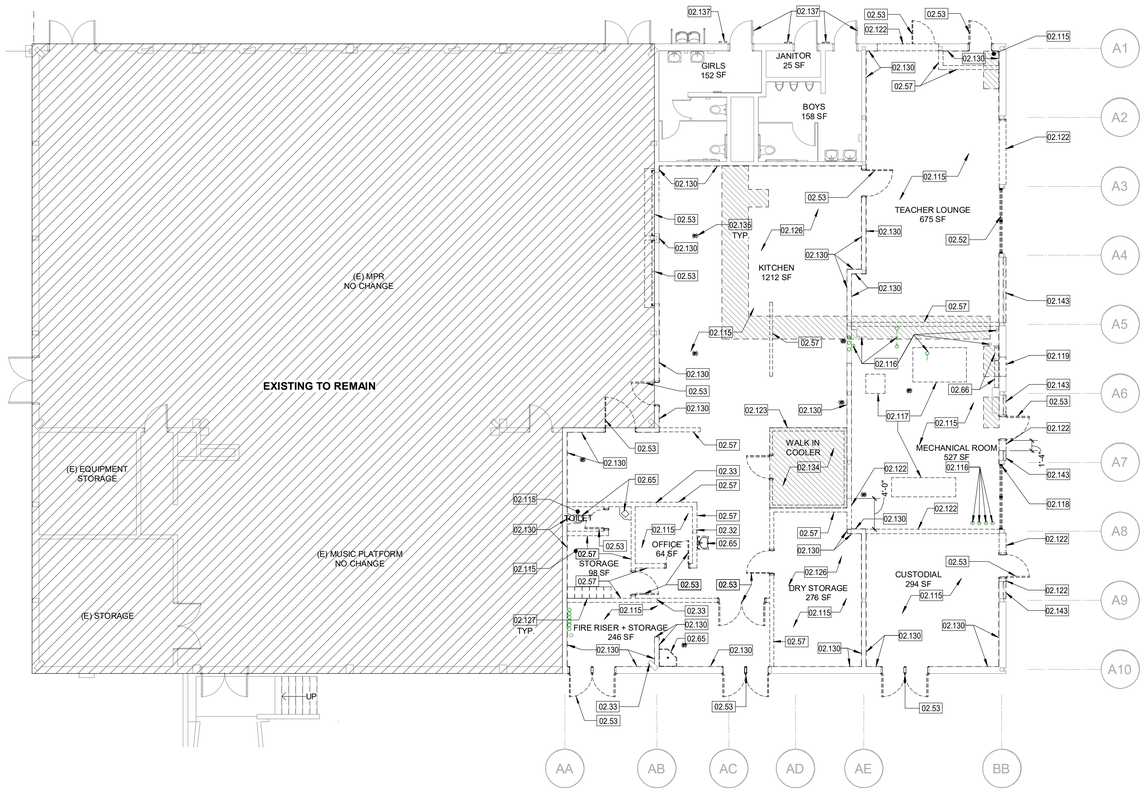
LEGEND

- EXISTING ELEMENT TO REMAIN
- EXISTING ELEMENT TO BE DEMOLISHED
- EXTENT OF SLAB DEMO. (SEE STRUCTURAL, MECHANICAL, ELECTRICAL & PLUMBING TO VERIFY EXTENTS OF SLAB DEMO REQUIRED FOR IMPROVEMENT WORK.)



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DEMOLITION FLOOR PLAN - UNIT A 1 1/8" = 1'-0"

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LICENSED ARCHITECT
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STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

DEMOLITION KEYNOTES

02.32	(E) WOOD POST, 2X MEMBERS ON EACH SIDE OF POST, AND FOOTING TO REMAIN; PROTECT IN PLACE. STAIN WOOD (WSTN1) WHERE EXPOSED - SEE FINISH SCHEDULE
02.33	(E) WOOD POST AND FOOTING TO REMAIN; PROTECT IN PLACE. STAIN WOOD (WSTN1) WHERE EXPOSED - SEE FINISH SCHEDULE
02.52	REMOVE (E) WINDOW SYSTEM
02.53	REMOVE (E) DOOR, FRAME AND HARDWARE SYSTEM
02.57	REMOVE (E) WALL IN ITS ENTIRETY
02.65	REMOVE (E) PLUMB FIXTURE | PLUMB
02.66	REMOVE (E) ELEC PANEL | ELEC
02.115	REMOVE (E) FLOOR FINISHES DOWN TO (E) SLAB
02.116	REMOVE ALL ABANDONED HYDRONIC PIPING AND CAP, SEE MECHANICAL DWGS
02.117	REMOVE ALL HOUSKEEPING PADS FROM OLD ABANDONED EQUIPMENT, SEE MECHANICAL DRAWINGS
02.118	REMOVE LOUVER CUT WOOD TRIM AS REQUIRED FOR REMOVAL PREPARE FOR PATCH BACK OF MATCHING WOOD TRIM
02.119	REMOVE PORTION OF (E) WALL AND CURB AS NECESSARY FOR NEW WINDOW SYSTEM
02.122	REMOVE PORTION OF (E) WALL AND CURB AS NECESSARY FOR NEW WALL OPENING
02.123	REMOVE (E) WALK-IN COOLER
02.126	REMOVE ALL (E) FOOD SERVICE EQUIPMENT
02.127	REMOVE (E) LOCKER
02.130	REMOVE (E) WALL FINISHES AND PREPARE WALL TO ACCEPT FINISHES SCHEDULED
02.134	REMOVE (E) SLAB AND STYROFOAM INSULATION BELOW (E) WALK-IN COOLER. SEE STRUCTURAL DRAWINGS
02.135	REMOVE (E) FLOOR SINK/DRAIN. SEE PLUMBING DRAWINGS
02.137	REMOVE (E) SIGNAGE
02.143	REMOVE EXISTING BRICK VENEER AND ALL APPURTENANCES DOWN TO EXISTING SHEATHING

DEMOLITION GENERAL NOTES

1. PROTECT ALL ITEMS NOT NOTED TO BE REMOVED OR MODIFIED. REPAIR ALL DAMAGED ITEMS TO SAME CONDITION AS BEFORE DAMAGE OCCURRED.
2. REMOVE ALL ITEMS SCHEDULED FOR DEMOLITION INCLUDING MOUNTING HARDWARE, ABANDONED SWITCHES, WIRING AND SURFACE MOUNTED CONDUIT. SURFACES SHALL BE CLEANED AND PREPARED TO RECEIVE NEW WORK.
3. ALL ITEMS TO BE REMOVED AND NOT REINSTALLED SHALL BE DISPOSED OF OFF SITE.
4. REMOVE ALL ITEMS REQUIRED TO INSTALL NEW WORK WHETHER OR NOT SPECIFICALLY SHOWN TO BE REMOVED OR MODIFIED.
5. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
DEMOLITION FLOOR PLAN - UNIT A

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

AA2.10-2

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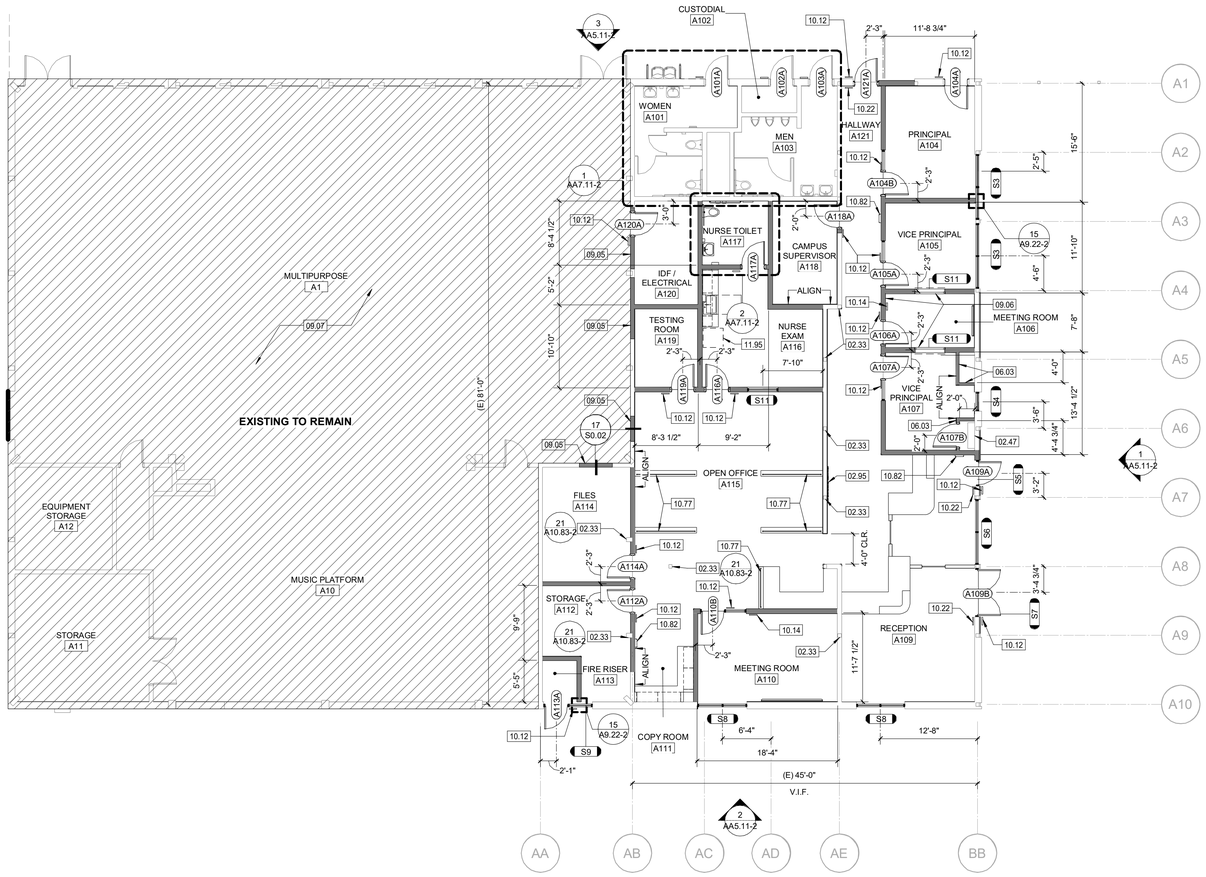

LEGEND

EXISTING WALL TO REMAIN

2X6 WOOD STUD WALL U.O.N. SEE STRUCTURAL FOR SPACING. WHERE NOT INDICATED ON STRUCTURAL, PROVIDE 2X6 STUDS @ 16" O.C, U.O.N. SEE 1 / A10.21-2

GENERAL NOTES

1. PROVIDE SOUND INSULATION AT ALL NEW INTERIOR WALLS AND AT ALL EXISTING INTERIOR WALLS WHERE FINISHES ARE TO BE REMOVED DOWN TO STUDS.
2. PROVIDE THERMAL INSULATION AT ALL NEW EXTERIOR WALLS AND AT ALL EXISTING EXTERIOR WALLS WHERE FINISHES ARE TO BE REMOVED DOWN TO STUDS.

SOUND ISOLATION NOTES

1. GYPSUM WALLBOARD IS 5/8" TYPE "X", UNLESS OTHERWISE NOTED.
2. PROVIDE 2 CONTINUOUS BEADS OF SEALANT BETWEEN STUD TRACK OR SILL PLATE & FINISH FLOOR.
3. WHERE 2 LAYERS OF GYPSUM WALLBOARD OCCURS, STAGGER THE JOINTS. DO NOT TAPE THE INNER LAYER, UNLESS REQUIRED BY FIRE ASSEMBLY.
4. PENETRATIONS THROUGH GYPSUM WALLBOARD ABOVE CEILINGS
   - A. DUCTWORK: PROVIDE 1 INCH GAP ALL AROUND AND FILL WITH SOUND INSULATION.
   - B. CONDUIT / PIPING: CAULK ALL AROUND WITH SEALANT.
5. ELECTRICAL BOXES FOR LIGHTING, POWER, SIGNAL AND ALARM
   - A. LOCATE EACH BOX IN SEPARATE STUD CAVITY. DO NOT MOUNT BACK-TO-BACK OUTLETS ON THE SAME STUD. AT LOCATIONS WHERE THESE REQUIREMENTS CANNOT BE MET, REVIEW LAYOUT WITH ARCHITECT PRIOR TO INSTALLATION.
   - B. WRAP WITH "BOX PADS", SPECIFIED IN DIVISION 26.

KEYNOTES

02.33	(E) WOOD POST AND FOOTING TO REMAIN; PROTECT IN PLACE. STAIN WOOD (WSTN1) WHERE EXPOSED - SEE FINISH SCHEDULE
02.47	(E) ELECTRICAL PANEL TO REMAIN
02.95	(N) LOCATION OF (E) RELOCATED SIGNAGE
06.03	2X4 WOOD STUD WALL FRAMING | 1/A10.21
09.05	PROVIDE GYPSUM BOARD AT WALL INFILL; MATCH (E) WALL FINISHES AND WALL BASE. COLORS TBD
09.06	PROVIDE 2 LAYERS GYPSUM BOARD THIS SIDE OF WALL
09.07	PATCH & REPAIR FINISHES AND TOUCH-UP PAINT AS NEEDED FROM TRADE WORK TO OCCUR IN THIS ROOM
10.12	ROOM ID SIGN, SEE 21/A10.81-2
10.14	ASSISTIVE LISTENING DEVICE SIGN, SEE 18/A10.81-2
10.22	TACTILE "EXIT" SIGN, SEE 22/A10.81-2
10.77	FELT DIVIDER SCREEN WITH CUSTOM PATTERN
10.82	SEMI-RECESSED FIRE EXTINGUISHER CABINET, SEE 14/A10.71-2
11.95	REFRIGERATOR; O.F.O.I.

PN

OVERALL FLOOR PLAN - UNIT A 1 — 1/8" = 1'-0"

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945 SOUTH HAM LANE LODI, CA 95242

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INCREMENT 2
SHEET NAME:
DIMENSION PLAN - UNIT A

CONSTRUCTION DOCUMENTS

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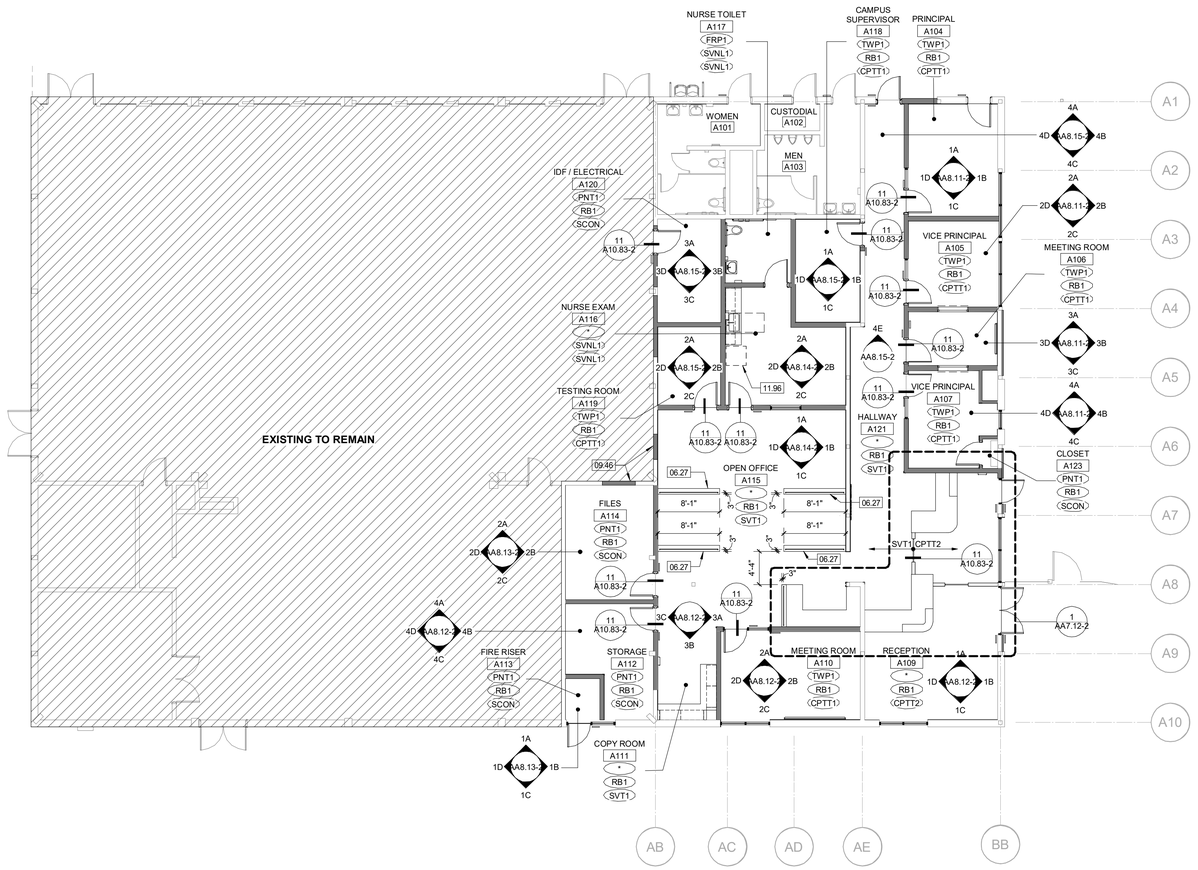

LEGEND

BUILDING ELEMENTS

- EXISTING PARTITION TO REMAIN
- 2X6 WOOD STUD WALL U.O.N. SEE STRUCTURAL FOR SPACING. WHERE NOT INDICATED ON STRUCTURAL, PROVIDE 2X6 STUDS @ 16" O.C. U.O.N. SEE A10.21-2

ROOM NAME
101
WF
BF
FF

- ROOM NAME
- ROOM NUMBER
- WALL FINISH - SEE FINISH SCHEDULE
- * = MULT. FINISHES, SEE INT. ELEVATIONS
- BASE FINISH - SEE FINISH SCHEDULE
- FLOOR FINISH - SEE FINISH SCHEDULE

GENERAL NOTES - FINISH PLANS

1. FINISHES DEPICTED IN FINISH PLANS AND ELEVATIONS ARE NOT SHOWN ON PARTIAL FLOOR PLANS. REFER TO ENLARGED PLANS, ELEVATIONS, AND DETAILS

KEYNOTES

06.27 WOOD WALL CAP; STAIN WOOD (WSTN1) - SEE FINISH SCHEDULE
09.46 PATCH & REPAIR FLOOR TO MATCH (E) ADJ FLOOR FINISH WHERE NEW FLOOR FINISH IS NOT BEING PROVIDED
11.96 MINI REFRIGERATOR WITH SEPARATE FREEZER; O.F.O.I.

NOTES

1. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING FINISHES & HEIGHTS.
2. ALL COLUMNS AND PARTITIONS SHALL RECEIVE SCHEDULED BASE FOR THE ROOM, U.N.O.
3. CENTER FLOOR FINISH TRANSITIONS AT THE CENTER OF THE DOOR WHEN IN THE CLOSED POSITION, U.N.O.
4. ALL EXPOSED PIPING, LOUVERS, GRILLES, REGISTERS & CONDUITS TO BE PAINTED TO MATCH ADJACENT WALL SURFACES, U.N.O.
5. REFER TO SHEET A9.31-2 FOR FINISH SCHEDULE.

PN

1ST FLOOR - PLAN 1 1/8" = 1'-0"

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INCREMENT 2
SHEET NAME:
FINISH PLAN - UNIT A

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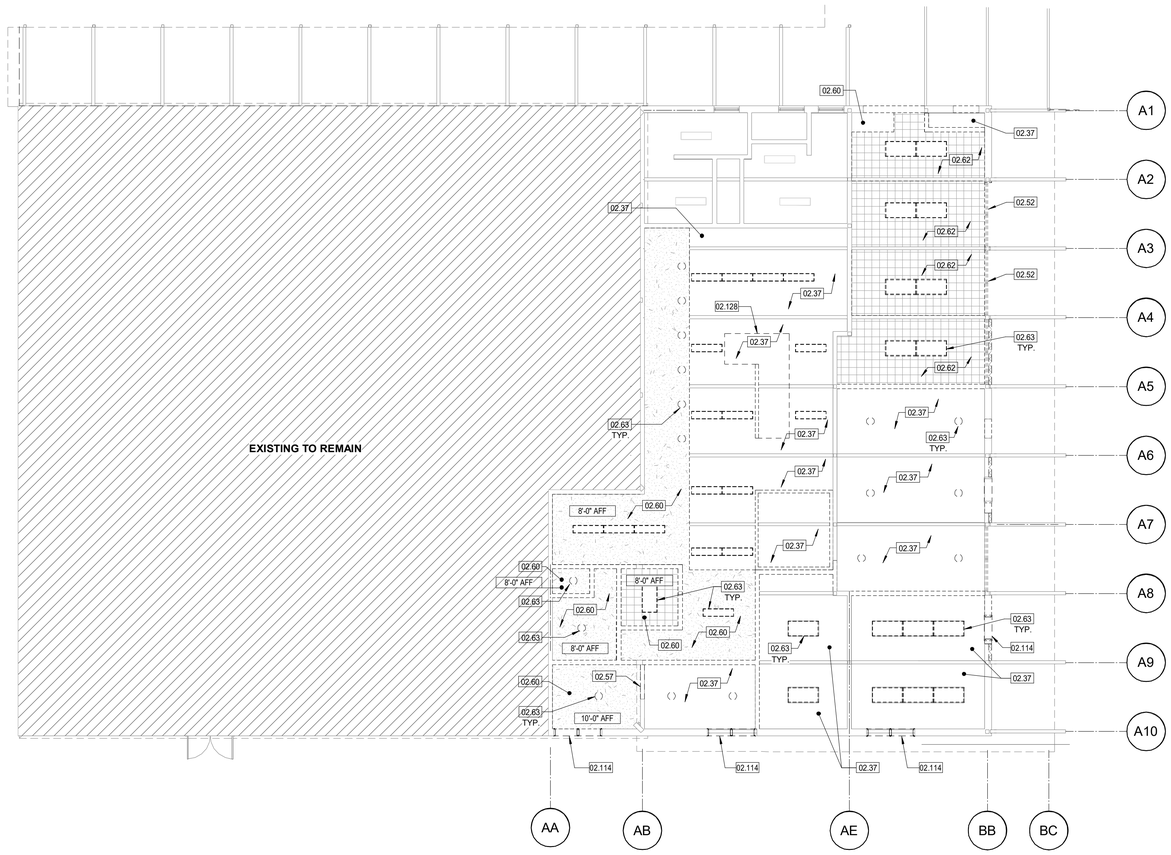

DEMO LEGEND

BUILDING ELEMENTS

- GYPSUM WALLBOARD, PLASTER, OR STUCCO CEILING TO BE REMOVED
- 12"x12" ACOUSTIC GLUE-UP TILE TO BE REMOVED. (E) GYPSUM BOARD LAYER TO BE REMOVED AT STRUCTURE EXCEPT WHERE NEW GLUE-UP TILE IS BEING INSTALLED.
- LIGHT FIXTURE TO BE REMOVED (SHAPES WILL VARY)
- LIGHT FIXTURE TO BE REMOVED (SHAPES WILL VARY)
- GYPSUM WALLBOARD, PLASTER, OR STUCCO CEILING TO REMAIN
- LIGHT FIXTURE TO REMAIN (SHAPES WILL VARY)

GENERAL DEMO NOTES - RCP'S

1. PROTECT ALL ITEMS NOT NOTED TO BE REMOVED OR MODIFIED. REPAIR ALL DAMAGED ITEMS TO CONDITION SAME AS BEFORE DAMAGE OCCURRED.
2. REMOVE ALL ITEMS SCHEDULED FOR DEMOLITION INCLUDING MOUNTING HARDWARE, ABANDONED SWITCHES, WIRING, AND SURFACE MOUNTED CONDUIT. SURFACES SHALL BE CLEANED AND PREPARED TO RECEIVE NEW WORK.
3. ALL ITEMS TO BE REMOVED AND NOT REINSTALLED SHALL BE DISPOSED OF OFF SITE.
4. REMOVE ALL ITEMS AS REQUIRED TO INSTALL NEW WORK WHETHER OR NOT SPECIFICALLY SHOWN TO BE REMOVED OR MODIFIED.
5. SEE DEMOLITION STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
6. REMOVE (E) GYPSUM BOARD LAYER AT STRUCTURE WHERE NEW SUPSENDED CEILING GRIDS OR NEW FRAMED CEILINGS ARE BEING INSTALLED. MAINTAIN (E) GYPSUM BOARD LAYER AT STRUCTURE ONLY WHERE NEW GLUE-UP TILE IS BEING INSTALLED, PATCHBACK GYPSUM BOARD AS NECESSARY.

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KEYNOTES

02.37	REMOVE (E) GYPSUM BOARD LAYER AT STRUCTURE EXCEPT WHERE NEW GLUE-UP TILE IS TO BE INSTALLED; PATCHBACK GYPSUM BOARD AT STRUCTURE AS NECESSARY FOR GLUE-UP TILE INSTALLATION
02.52	REMOVE (E) WINDOW SYSTEM
02.57	REMOVE (E) WALL IN ITS ENTIRETY
02.60	DEMOLISH (E) CEILING FINISH AND FRAMING IN ITS ENTIRETY
02.62	REMOVE (E) ACOUSTICAL CEILING TILE FINISH; (E) GYPSUM BOARD LAYER TO BE REMOVED AT STRUCTURE EXCEPT WHERE NEW GLUE-UP TILE IS BEING INSTALLED. PATCHBACK GYPSUM BOARD AS NECESSARY TO ACCOMMODATE NEW GLUE-UP TILE.
02.63	REMOVE (E) LIGHT FIXTURE | ELEC
02.114	REMOVE (E) TRANSOM ABOVE DOOR(S) IN ITS ENTIRETY
02.128	REMOVE (E) HOOD

NOTES

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LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

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LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
DEMOLITION REFLECTED CEILING PLAN - UNIT A

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

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PN

DEMOLITION REFLECTED CEILING PLAN - UNIT A **1** 1/8" = 1'-0"

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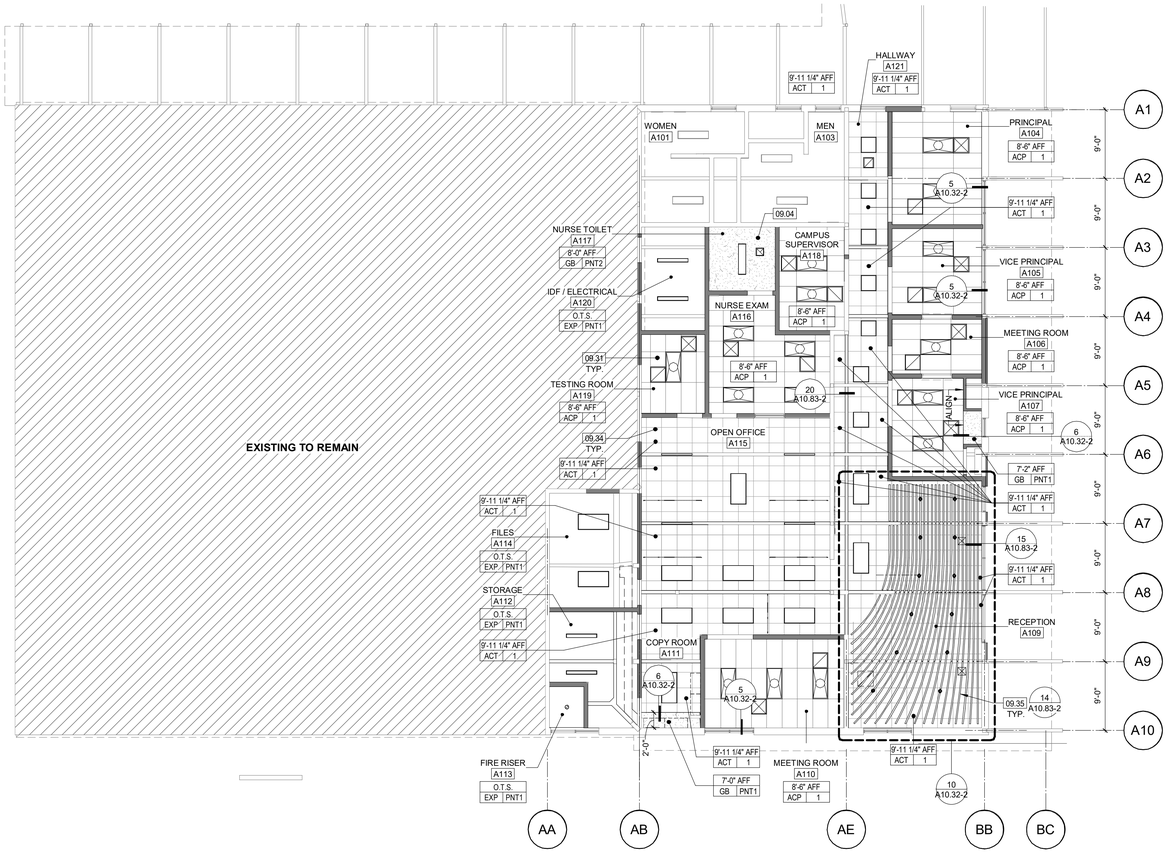

LEGEND

BUILDING ELEMENTS

- PARTITION
- GYPSUM WALLBOARD, PLASTER, OR STUCCO CEILING - REF: CEILING TAGS
- 24"x24" ACOUSTIC GLUE-UP TILE - REF: CEILING TAGS AND SPECIFICATIONS
- 24"x48" ACOUSTIC TILE CEILING SYSTEM - REF: CEILING TAGS AND SPECIFICATIONS
- SURFACE MOUNTED LIGHT FIXTURE (SHAPES WILL VARY)
- RECESSED LIGHT FIXTURE (SHAPES WILL VARY)
- RECESSED CAN LIGHT FIXTURE (SHAPES WILL VARY)
- RIGID STEM PENDANT LIGHT FIXTURE
- RETURN AIR GRILLE (SHAPES WILL VARY)
- SUPPLY AIR GRILLE (SHAPES WILL VARY)
- X'-XX" — HEIGHT ABOVE FINISH FLOOR
- CEILING HEIGHT A.F.F.
- 1'-0" AFF / TYPE | FIN — CEILING FINISH - REFER TO FINISH SCHEDULE
- CEILING TYPE - REFER TO FINISH SCHEDULE

GENERAL NOTES - RCP'S

1. DIMENSIONS TO FACE OF PARTITIONS ARE TO FACE OF SUBSTRATE LAYER AS SHOWN IN PARTITION TYPES. FINISHES DEPICTED IN FINISH PLANS AND ELEVATIONS ARE NOT SHOWN ON PARTIAL FLOOR PLANS. REFER TO ENLARGED PLANS, ELEVATIONS, AND DETAILS.
2. SEE A10.3 SERIES SHEETS FOR TYPICAL CEILING DETAILS.
3. PAINT ALL EXPOSED ITEMS IN ROOMS THAT ARE OPEN TO STRUCTURE, U.N.O.

KEYNOTES

09.04 GYPSUM BOARD CEILING; LEVEL 5 FINISH
09.31 SUSPENDED ACOUSTICAL PANEL CEILING
09.34 ACOUSTICAL CEILING TILE
09.35 ACOUSTIC FELT BAFFLE; MAX. 20LBS PER BAFFLE

NOTES

PN

REFLECTED CEILING PLAN - UNIT A 1 — 1/8" = 1'-0"

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LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
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SHEET NAME:
REFLECTED CEILING PLAN - UNIT A

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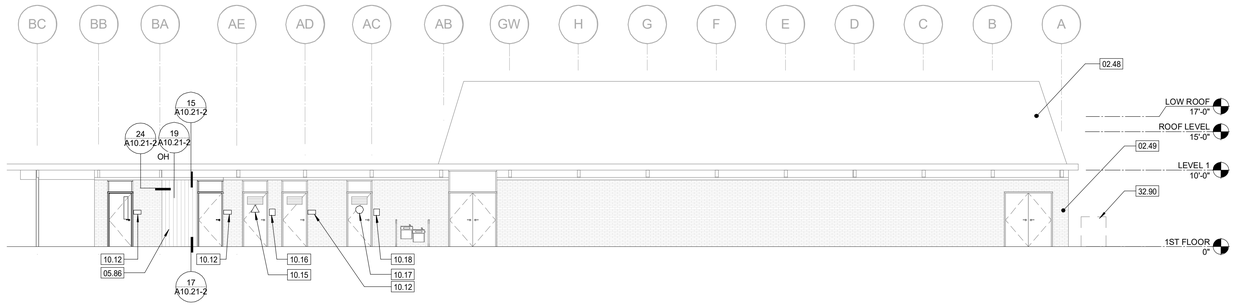
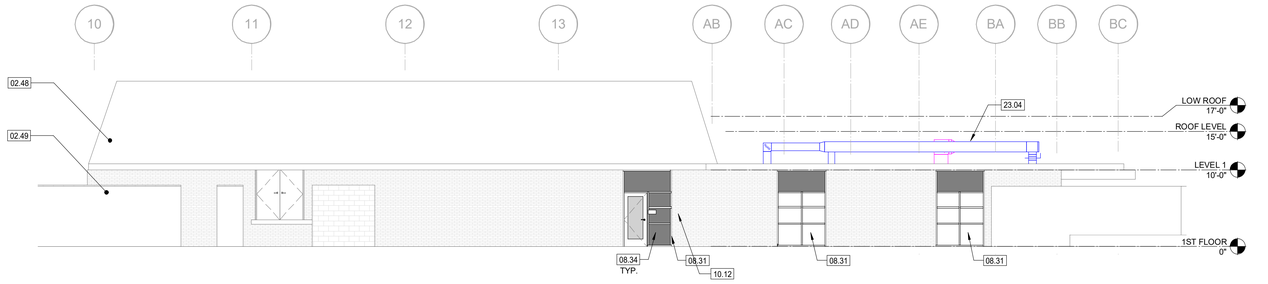


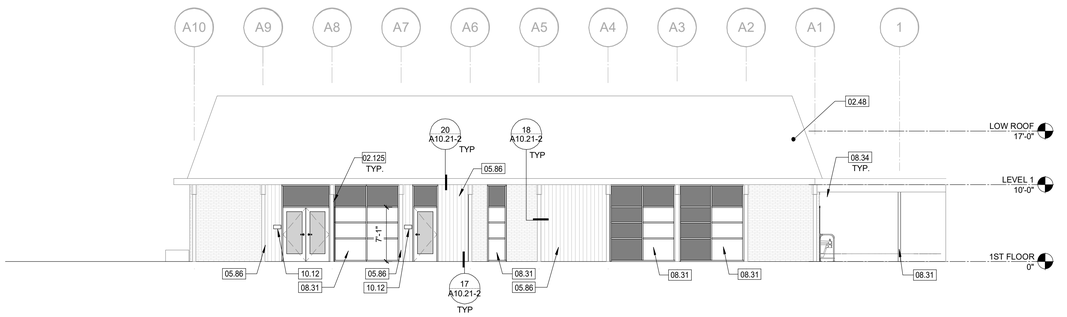
NORTH ELEVATION - UNIT A

3 — 1/8" = 1'-0"



SOUTH ELEVATION - UNIT A

2 — 1/8" = 1'-0"



EAST ELEVATION - UNIT A

1 — 1/8" = 1'-0"

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KEYNOTES

02.48	(E) METAL PANEL ROOF TO REMAIN
02.49	(E) BRICK VENEER
02.125	(E) WOOD BATTEN TO REMAIN
05.86	METAL WALL PANELING
08.31	ALUMINUM STOREFRONT SYSTEM, A9.21-2
08.34	COLORED INSULATED GLASS
10.12	ROOM ID SIGN, SEE 21/A10.81-2
10.15	MEN'S RESTROOM ID GEOMETRIC DOOR SIGN | 13/A10.81-2
10.16	MEN'S RESTROOM ID WALL SIGN | 5/A10.81-2
10.17	WOMEN'S RESTROOM ID GEOMETRIC DOOR SIGN | 13/A10.81-2
10.18	WOMEN'S RESTROOM ID WALL SIGN | 5/A10.81-2
23.04	MECHANICAL EQUIPMENT | SEE MECHANICAL DWGS
32.90	BIKE LOCKER, "STANDARD CYCLOCKER 2176-2-CC", ANCHOR WITH 1/2" DIA. BY 5" ANCHOR SPIKES PER MANUFACTURER. SPACING AND LAYOUT PER MANUFACTURER

NOTES

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SHEET NAME:
EXTERIOR ELEVATIONS

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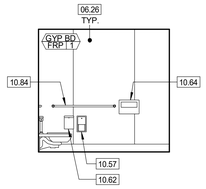
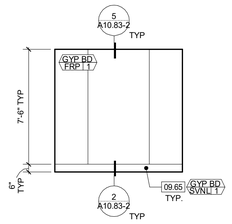
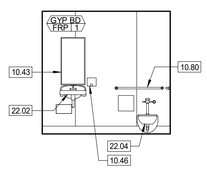


A117 NURSE TOILET ROOM **3A** 1/4" = 1'-0"

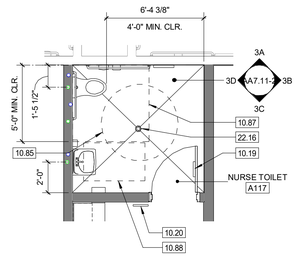


A117 NURSE TOILET ROOM **3B** 1/4" = 1'-0"

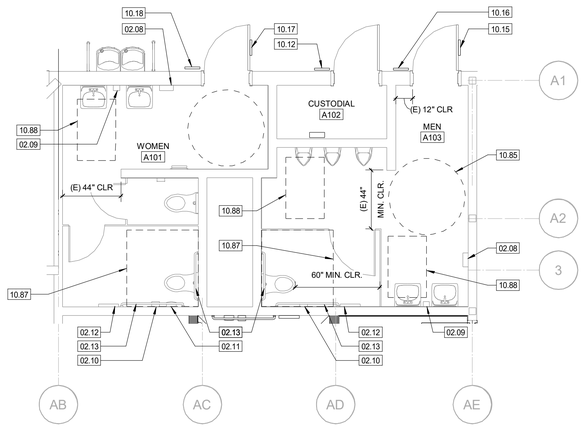
A117 NURSE TOILET ROOM **3C** 1/4" = 1'-0"



A117 NURSE TOILET ROOM **3D** 1/4" = 1'-0"



ENLARGED FLOOR PLAN - NURSE TOILET ROOM - A117 **2** 1/4" = 1'-0"



ENLARGED FLOOR PLAN - TOILET ROOMS - A101 & A103 **1** 1/4" = 1'-0"

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KEYNOTES

02.08	(E) PAPER TOWEL DISPENSER TO REMAIN; PROTECT IN PLACE
02.09	(E) SOAP DISPENSER TO REMAIN; PROTECT IN PLACE
02.10	(E) TOILET TISSUE DISPENSER TO REMAIN; PROTECT IN PLACE
02.11	(E) SANITARY NAPKIN DISPOSAL TO REMAIN; PROTECT IN PLACE
02.12	(E) SEAT COVER DISPENSER TO REMAIN; PROTECT IN PLACE
02.13	(E) GRAB BAR TO REMAIN; PROTECT IN PLACE
06.26	FIBERGLASS REINFORCED PANELING
09.65	COVE BASE
10.12	ROOM ID SIGN, SEE 21/A10.81-2
10.15	MEN'S RESTROOM ID GEOMETRIC DOOR SIGN | 13/A10.81-2
10.16	MEN'S RESTROOM ID WALL SIGN | 5/A10.81-2
10.17	WOMEN'S RESTROOM ID GEOMETRIC DOOR SIGN | 13/A10.81-2
10.18	WOMEN'S RESTROOM ID WALL SIGN | 5/A10.81-2
10.19	UNISEX RESTROOM ID GEOMETRIC DOOR SIGN, SEE 13/A10.81-2
10.20	UNISEX RESTROOM ID WALL SIGN, SEE 5/A10.81-2
10.43	MIRROR; 18X36, SEE 1/A10.71-2
10.46	SOAP DISPENSER; O.F.C.I.
10.53	PAPER TOWEL DISPENSER; SURFACE MOUNTED; O.F.C.I
10.57	TOILET TISSUE DISPENSER; RECESSED, SEE 1/A10.71-2
10.62	SANITARY NAPKIN DISPOSAL, SEE 1/A10.71-2
10.64	SEAT COVER DISPENSER; SURFACE MOUNTED, SEE 1/A10.71-2
10.80	36" GRAB BAR, SEE 4/A10.71-2
10.84	48" GRAB BAR, SEE 4/A10.71-2
10.85	60" DIA. ACCESSIBLE TURNING SPACE
10.87	60" X 60" CLEAR FLOOR SPACE
10.88	30" X 48" CLEAR FLOOR SPACE
22.02	LAVATORY, ACCESSIBLE | PLUMB
22.04	WATER CLOSET, ACCESSIBLE | PLUMB
22.16	FLOOR DRAIN | PLUMB

NOTES

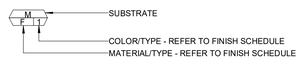
1. SEE A10.6 SERIES SHEETS FOR TYPICAL CASEWORK ATTACHMENT DETAILS.
2. SEE SHEET A10.71-2 FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBILITY.

LEGEND

CASEWORK ABBREVIATIONS:

WI WOODWORK INSTITUTE

FINISH TAG:



FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
ENLARGED PLANS AND INTERIOR ELEVATIONS

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

AA7.11-2

Autodesk Docs://3431007000 Lodi MS Additions/3431007000-LODI-MS-ADDITIONS.rvt
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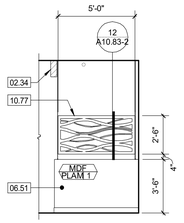
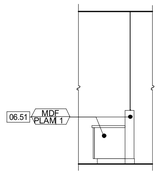
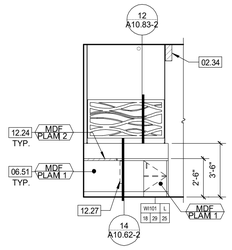


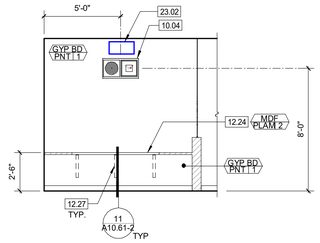
A109 RECEPTION DESK **2A** 1/4" = 1'-0"



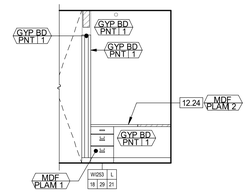
A109 RECEPTION DESK **2B** 1/4" = 1'-0"



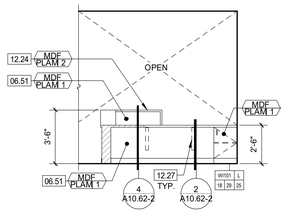
A109 RECEPTION DESK **2C** 1/4" = 1'-0"



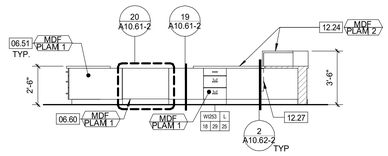
A109 RECEPTION DESK **2D** 1/4" = 1'-0"



A109 RECEPTION DESK **2E** 1/4" = 1'-0"



A109 RECEPTION DESK **2F** 1/4" = 1'-0"



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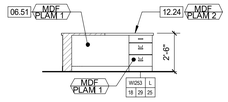

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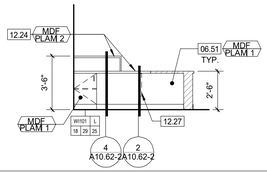

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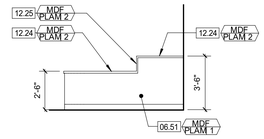
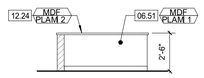


A109 RECEPTION DESK **2K** 1/4" = 1'-0"



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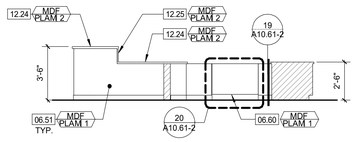

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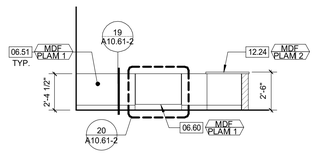
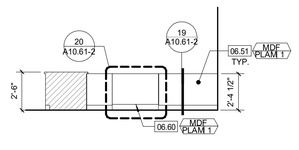
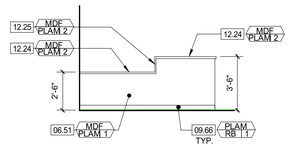


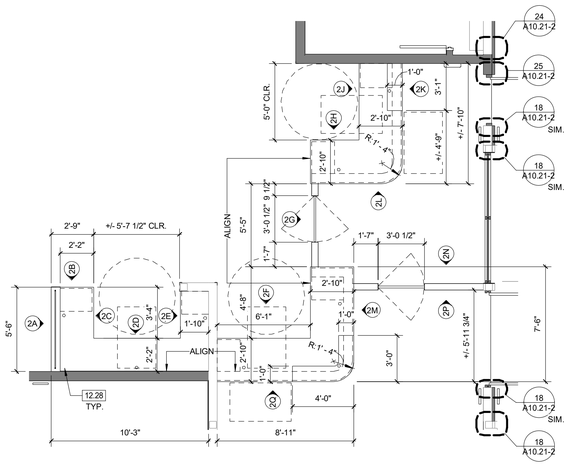
A109 RECEPTION DESK **2N** 1/4" = 1'-0"



A109 RECEPTION DESK **2P** 1/4" = 1'-0"



A109 RECEPTION DESK **2Q** 1/4" = 1'-0"



ENLARGED FLOOR PLAN - RECEPTION DESK - A109 **1** 1/4" = 1'-0"

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects

3431007000

2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT
JENNIFER PEARSON HSIANG
C-35691
REN. 05/31/25
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

02.34	(E) WOOD BEAM TO REMAIN; PROTECT IN PLACE. STAIN WOOD (WSTN1) WHERE EXPOSED - SEE FINISH SCHEDULE
06.51	PLASTIC LAMINATE CASEWORK
06.60	PLASTIC LAMINATE GATE SWING DOOR
09.66	RESILIENT BASE
10.04	CLOCK/SPEAKER COMBO; CENTER ON WALL U.N.O.
10.77	FELT DIVIDER SCREEN WITH CUSTOM PATTERN
12.24	PLASTIC LAMINATE COUNTERTOP
12.25	PLASTIC LAMINATE COUNTERTOP WATERFALL
12.27	COUNTERTOP SUPPORT BRACKET
12.28	GROMMET; COORDINATE FINAL LOCATION WITH OWNER
23.02	MECHANICAL DIFFUSER/GRILLE | MECH

NOTES

1. SEE A10.6 SERIES SHEETS FOR TYPICAL CASEWORK ATTACHMENT DETAILS.
2. SEE SHEET A10.71-2 FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBILITY.

LEGEND

CASEWORK ABBREVIATIONS:

WI WOODWORK INSTITUTE

FINISH TAG:

M
F T
- SUBSTRATE
- COLOR/TYPE - REFER TO FINISH SCHEDULE
- MATERIAL/TYPE - REFER TO FINISH SCHEDULE

FACILITY:

LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:

LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2

SHEET NAME:

ENLARGED PLANS AND INTERIOR ELEVATIONS

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

AA7.12-2

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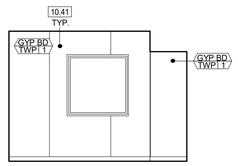
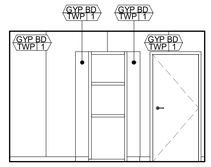
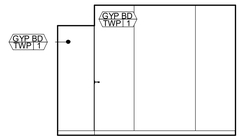


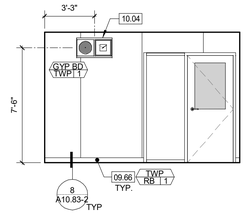
A107 VICE PRINCIPAL **4A** 1/4" = 1'-0"



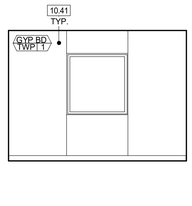
A107 VICE PRINCIPAL **4B** 1/4" = 1'-0"



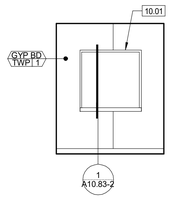
A107 VICE PRINCIPAL **4C** 1/4" = 1'-0"



A107 VICE PRINCIPAL **4D** 1/4" = 1'-0"

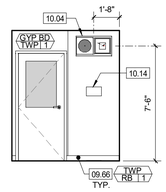


A106 MEETING ROOM **3A** 1/4" = 1'-0"

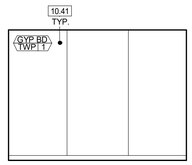


A106 MEETING ROOM **3B** 1/4" = 1'-0"

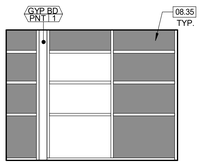
A106 MEETING ROOM **3C** 1/4" = 1'-0"



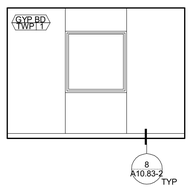
A106 MEETING ROOM **3D** 1/4" = 1'-0"



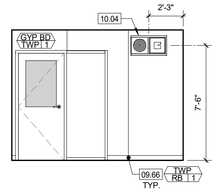
A105 VICE PRINCIPAL **2A** 1/4" = 1'-0"



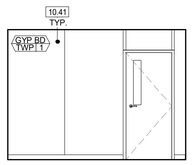
A105 VICE PRINCIPAL **2B** 1/4" = 1'-0"



A105 VICE PRINCIPAL **2C** 1/4" = 1'-0"



A105 VICE PRINCIPAL **2D** 1/4" = 1'-0"



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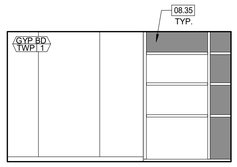
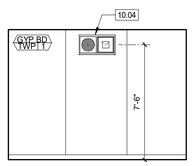
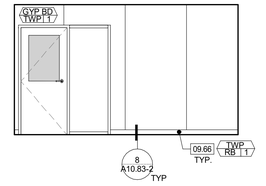


A104 PRINCIPAL **1B** 1/4" = 1'-0"



A104 PRINCIPAL **1C** 1/4" = 1'-0"



A104 PRINCIPAL **1D** 1/4" = 1'-0"

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT
JENNIFER PEARSON HSIUNG
C-35691
REN. 05/31/25
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

08.35	SOLID ARCHITECTURAL PANEL, MAPES-R INFILL PANEL OR EQUAL. POLYSTYRENE CORE WITH 3MM SOLID PLASTIC ABS SUBSTRATES AND STANDARD KYNAR FINISH.
09.66	RESILIENT BASE
10.01	MARKERBOARD, 4'W X 4'H; CENTER ON WALL U.N.O.
10.04	CLOCK/SPEAKER COMBO; CENTER ON WALL U.N.O.
10.14	ASSISTIVE LISTENING DEVICE SIGN, SEE 18/A10.81-2
10.41	TACKABLE WALL PANELS, SEE 9/A10.83-2

NOTES

1. SEE A10.6 SERIES SHEETS FOR TYPICAL CASEWORK ATTACHMENT DETAILS.
2. SEE SHEET A10.71-2 FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBILITY.

LEGEND

CASEWORK ABBREVIATIONS:

WI WOODWORK INSTITUTE

FINISH TAG:

M
F 1

- SUBSTRATE
- COLOR/TYPE - REFER TO FINISH SCHEDULE
- MATERIAL/TYPE - REFER TO FINISH SCHEDULE

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
INTERIOR ELEVATIONS - UNIT A

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

AA8.11-2

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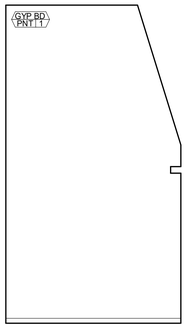
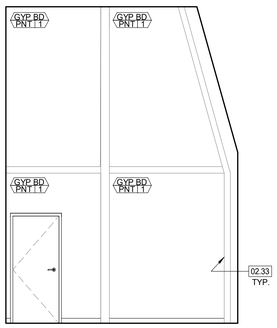
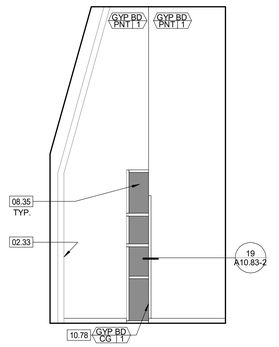


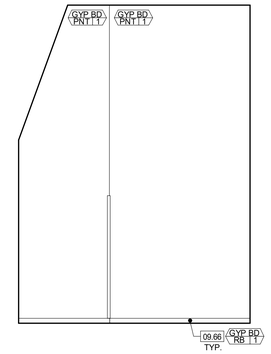
A112 STORAGE **4A** 1/4" = 1'-0"



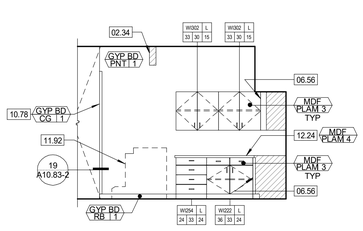
A112 STORAGE **4B** 1/4" = 1'-0"



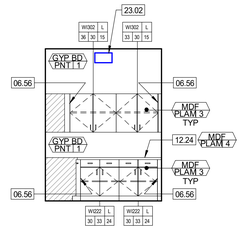
A112 STORAGE **4C** 1/4" = 1'-0"



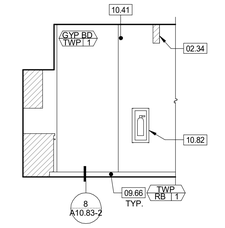
A112 STORAGE **4D** 1/4" = 1'-0"



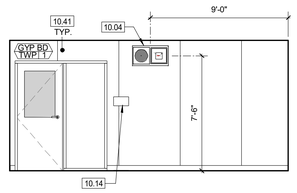
A111 COPY ROOM **3A** 1/4" = 1'-0"



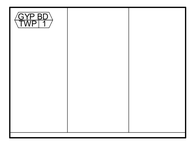
A111 COPY ROOM **3B** 1/4" = 1'-0"



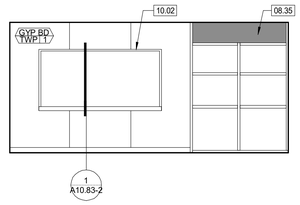
A111 COPY ROOM **3C** 1/4" = 1'-0"



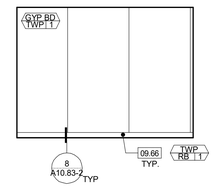
A110 MEETING ROOM **2A** 1/4" = 1'-0"



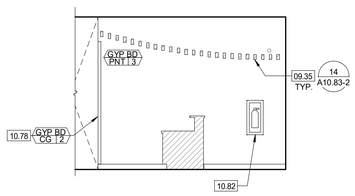
A110 MEETING ROOM **2B** 1/4" = 1'-0"



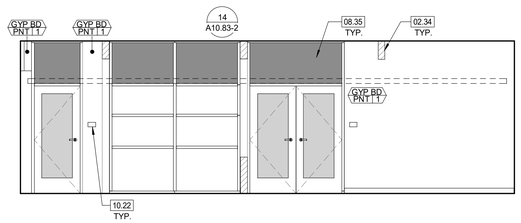
A110 MEETING ROOM **2C** 1/4" = 1'-0"



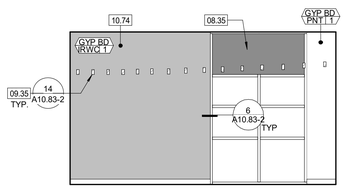
A110 MEETING ROOM **2D** 1/4" = 1'-0"



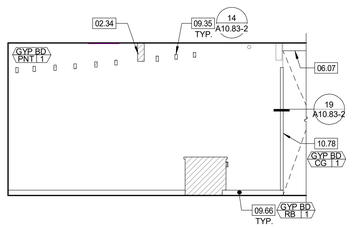
A109 RECEPTION **1A** 1/4" = 1'-0"



A109 RECEPTION **1B** 1/4" = 1'-0"



A109 RECEPTION **1C** 1/4" = 1'-0"



A109 RECEPTION **1D** 1/4" = 1'-0"

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT
JENNIFER PEARSON-BRAND
C-35691
REN. 05/31/25
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

02.33	(E) WOOD POST AND FOOTING TO REMAIN; PROTECT IN PLACE. STAIN WOOD (WSTN1) WHERE EXPOSED - SEE FINISH SCHEDULE
02.34	(E) WOOD BEAM TO REMAIN; PROTECT IN PLACE. STAIN WOOD (WSTN1) WHERE EXPOSED - SEE FINISH SCHEDULE
06.07	WOOD BEAM; STAIN WOOD (WSTN1) - SEE FINISH SCHEDULE
06.56	FILLER PANEL
08.35	SOLID ARCHITECTURAL PANEL, MAPES-R INFILL PANEL OR EQUAL. POLYSTYRENE CORE WITH 3MM SOLID PLASTIC ABS SUBSTRATES AND STANDARD KYNAR FINISH.
09.35	ACOUSTIC FELT BAFFLE; MAX. 20LBS PER BAFFLE
09.66	RESILIENT BASE
10.02	MARKERBOARD, 8'W X 4'H; CENTER ON WALL U.N.O.
10.04	CLOCK/SPEAKER COMBO; CENTER ON WALL U.N.O.
10.14	ASSISTIVE LISTENING DEVICE SIGN, SEE 18/A10.81-2
10.22	TACTILE "EXIT" SIGN, SEE 22/A10.81-2
10.41	TACKABLE WALL PANELS, SEE 9/A10.83-2
10.74	IMPACT RESISTANT WALL COVERING W/CUSTOM DIGITAL GRAPHIC
10.78	CORNER GUARD, SEE 19/A10.83-2
10.82	SEMI-RECESSED FIRE EXTINGUISHER CABINET, SEE 14/A10.71-2
11.92	COPIER; O.F.O.I.
12.24	PLASTIC LAMINATE COUNTERTOP
23.02	MECHANICAL DIFFUSER/GRILLE | MECH

NOTES

1. SEE A10.6 SERIES SHEETS FOR TYPICAL CASEWORK ATTACHMENT DETAILS.
2. SEE SHEET A10.71-2 FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBILITY.

LEGEND

CASEWORK ABBREVIATIONS:

WI WOODWORK INSTITUTE

FINISH TAG:

M
F
SUBSTRATE
COLOR/TYPE - REFER TO FINISH SCHEDULE
MATERIAL/TYPE - REFER TO FINISH SCHEDULE

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
INTERIOR ELEVATIONS - UNIT A

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

AA8.12-2

Autodesk Docs://3431007000 Lodi MS Additions/3431007000-LODI-MS-ADDITIONS.rvt
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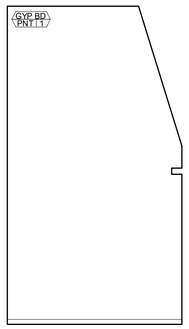
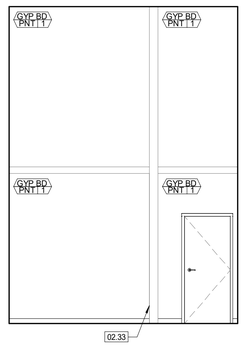
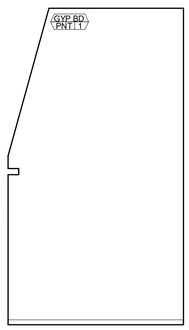


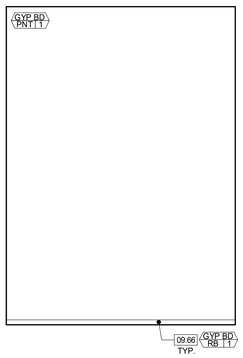
A114 FILES **2A** 1/4" = 1'-0"



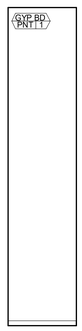
A114 FILES **2B** 1/4" = 1'-0"



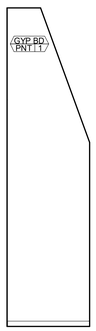
A114 FILES **2C** 1/4" = 1'-0"



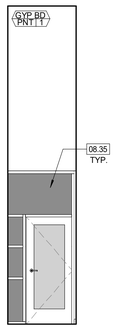
A114 FILES **2D** 1/4" = 1'-0"



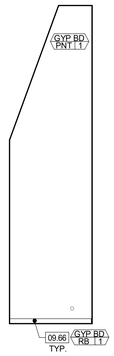
A113 FIRE RISER **1A** 1/4" = 1'-0"



A113 FIRE RISER **1B** 1/4" = 1'-0"



A113 FIRE RISER **1C** 1/4" = 1'-0"



A113 FIRE RISER **1D** 1/4" = 1'-0"

PLEASE RECYCLE

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AGENCY APPROVAL:

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DIV. OF THE STATE ARCHITECT
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DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT
JENNIFER PEARSON-HOANG
C-35691
REN. 05/31/25
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ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

02.33	(E) WOOD POST AND FOOTING TO REMAIN; PROTECT IN PLACE. STAIN WOOD (WSTN1) WHERE EXPOSED - SEE FINISH SCHEDULE
08.35	SOLID ARCHITECTURAL PANEL, MAPES-R INFILL PANEL OR EQUAL. POLYSTYRENE CORE WITH 3MM SOLID PLASTIC ABS SUBSTRATES AND STANDARD KYNAR FINISH.
09.66	RESILIENT BASE

NOTES

1. SEE A10.6 SERIES SHEETS FOR TYPICAL CASEWORK ATTACHMENT DETAILS.
2. SEE SHEET A10.71-2 FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBILITY.

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
INTERIOR ELEVATIONS - UNIT A

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

AA8.13-2

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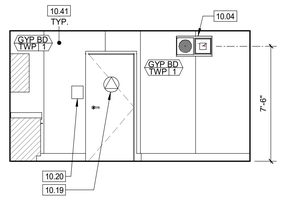
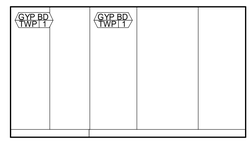
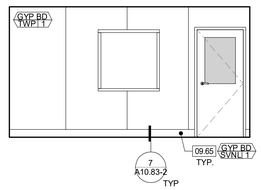


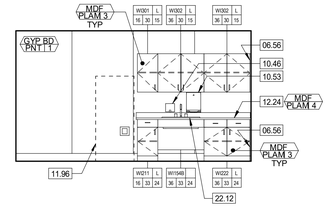
A116 NURSE EXAM **2A** 1/4" = 1'-0"



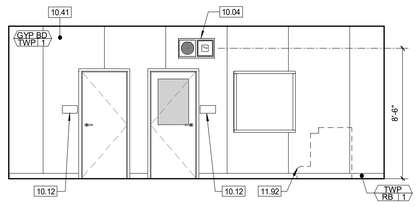
A116 NURSE EXAM **2B** 1/4" = 1'-0"



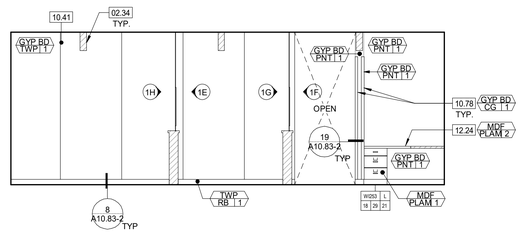
A116 NURSE EXAM **2C** 1/4" = 1'-0"



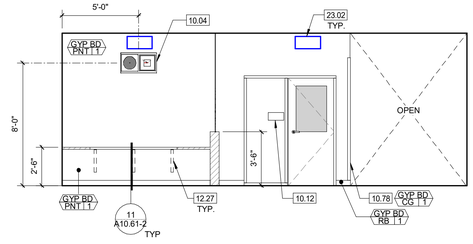
A116 NURSE EXAM **2D** 1/4" = 1'-0"



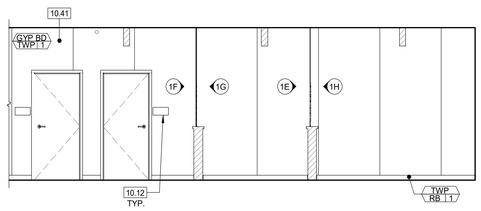
A115 OPEN OFFICE **1A** 1/4" = 1'-0"



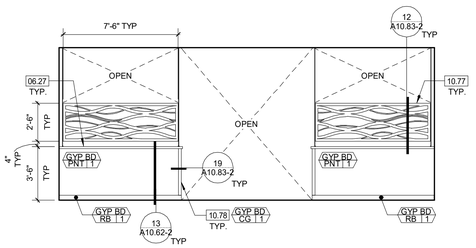
A115 OPEN OFFICE **1B** 1/4" = 1'-0"



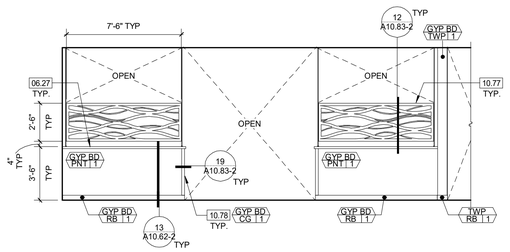
A115 OPEN OFFICE **1C** 1/4" = 1'-0"



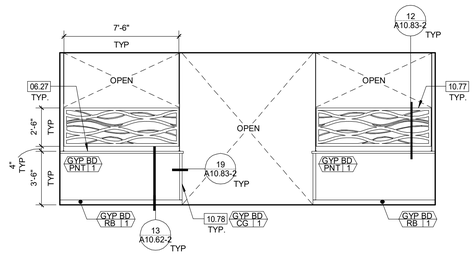
A115 OPEN OFFICE **1D** 1/4" = 1'-0"



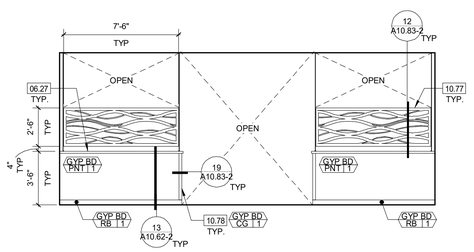
A115 OPEN OFFICE **1E** 1/4" = 1'-0"



A115 OPEN OFFICE **1F** 1/4" = 1'-0"



A115 OPEN OFFICE **1G** 1/4" = 1'-0"



A115 OPEN OFFICE **1H** 1/4" = 1'-0"

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LODI UNIFIED SCHOOL DISTRICT

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LICENSED ARCHITECT
JENNIFER PEARSON-HUANG
C-35691
REN. 05/31/25
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

02.34	(E) WOOD BEAM TO REMAIN; PROTECT IN PLACE. STAIN WOOD (WSTN1) WHERE EXPOSED - SEE FINISH SCHEDULE
06.27	WOOD WALL CAP; STAIN WOOD (WSTN1) - SEE FINISH SCHEDULE
06.56	FILLER PANEL
09.65	COVE BASE
10.04	CLOCK/SPEAKER COMBO; CENTER ON WALL U.N.O.
10.12	ROOM ID SIGN, SEE 21/A10.81-2
10.19	UNISEX RESTROOM ID GEOMETRIC DOOR SIGN, SEE 13/A10.81-2
10.20	UNISEX RESTROOM ID WALL SIGN, SEE 5/A10.81-2
10.41	TACKABLE WALL PANELS, SEE 9/A10.83-2
10.46	SOAP DISPENSER; O.F.C.I.
10.53	PAPER TOWEL DISPENSER; SURFACE MOUNTED; O.F.C.I
10.77	FELT DIVIDER SCREEN WITH CUSTOM PATTERN
10.78	CORNER GUARD, SEE 19/A10.83-2
11.92	COPIER; O.F.O.I.
11.96	MINI REFRIGERATOR WITH SEPARATE FREEZER; O.F.O.I.
12.24	PLASTIC LAMINATE COUNTERTOP
12.27	COUNTERTOP SUPPORT BRACKET
22.12	COUNTER SINK | PLUMB
23.02	MECHANICAL DIFFUSER/GRILLE | MECH

NOTES

1. SEE A10.6 SERIES SHEETS FOR TYPICAL CASEWORK ATTACHMENT DETAILS.
2. SEE SHEET A10.71-2 FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBILITY.

LEGEND

CASEWORK ABBREVIATIONS:

WI WOODWORK INSTITUTE

FINISH TAG:

M SUBSTRATE
F COLOR/TYPE - REFER TO FINISH SCHEDULE
MATERIAL/TYPE - REFER TO FINISH SCHEDULE

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
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SHEET NAME:
INTERIOR ELEVATIONS - UNIT A

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DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

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AA8.14-2

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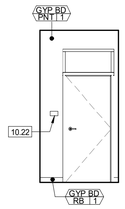
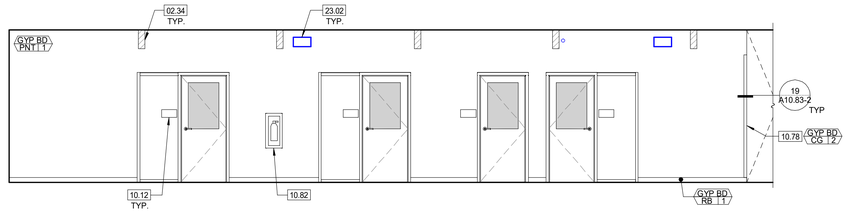
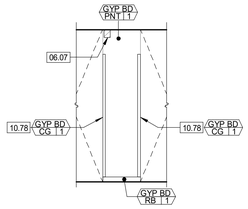


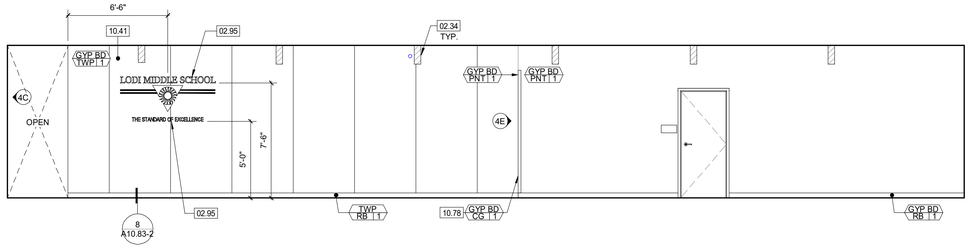
A121 HALLWAY 4A 1/4" = 1'-0"



A121 HALLWAY 4B 1/4" = 1'-0"



A121 HALLWAY 4C 1/4" = 1'-0"



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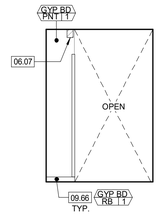
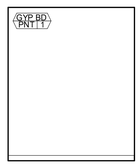
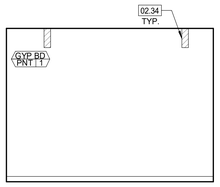


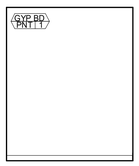
A121 HALLWAY 4E 1/4" = 1'-0"



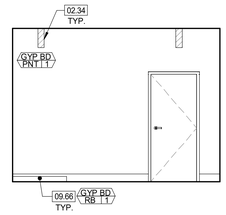
A120 IDF / ELECTRICAL 3A 1/4" = 1'-0"



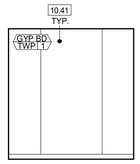
A120 IDF / ELECTRICAL 3B 1/4" = 1'-0"



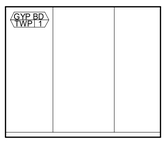
A120 IDF / ELECTRICAL 3C 1/4" = 1'-0"



A120 IDF / ELECTRICAL 3D 1/4" = 1'-0"

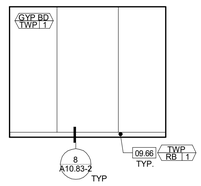


A119 TESTING ROOM 2A 1/4" = 1'-0"

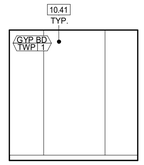


A119 TESTING ROOM 2B 1/4" = 1'-0"

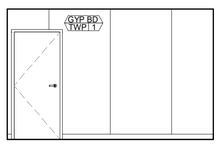
A119 TESTING ROOM 2C 1/4" = 1'-0"



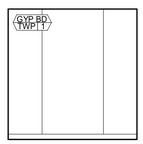
A119 TESTING ROOM 2D 1/4" = 1'-0"



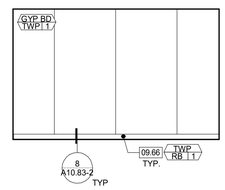
A118 CAMPUS SUPERVISOR 1A 1/4" = 1'-0"



A118 CAMPUS SUPERVISOR 1B 1/4" = 1'-0"



A118 CAMPUS SUPERVISOR 1C 1/4" = 1'-0"



A118 CAMPUS SUPERVISOR 1D 1/4" = 1'-0"

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LICENSED ARCHITECT JENNIFER PEARSON HUANG C-35591 REN. 05/31/25 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

02.34	(E) WOOD BEAM TO REMAIN; PROTECT IN PLACE. STAIN WOOD (WSTN1) WHERE EXPOSED - SEE FINISH SCHEDULE
02.95	(N) LOCATION OF (E) RELOCATED SIGNAGE
06.07	WOOD BEAM: STAIN WOOD (WSTN1) - SEE FINISH SCHEDULE
09.66	RESILIENT BASE
10.12	ROOM ID SIGN, SEE 21/A10.81-2
10.22	TACTILE "EXIT" SIGN, SEE 22/A10.81-2
10.41	TACKABLE WALL PANELS, SEE 9/A10.83-2
10.78	CORNER GUARD, SEE 19/A10.83-2
10.82	SEMI-RECESSED FIRE EXTINGUISHER CABINET, SEE 14/A10.71-2
23.02	MECHANICAL DIFFUSER/GRILLE | MECH

NOTES

1. SEE A10.6 SERIES SHEETS FOR TYPICAL CASEWORK ATTACHMENT DETAILS.
2. SEE SHEET A10.71-2 FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBILITY.

LEGEND

CASEWORK ABBREVIATIONS:

WI WOODWORK INSTITUTE

FINISH TAG:

M
F 1
- SUBSTRATE
- COLOR/TYPE - REFER TO FINISH SCHEDULE
- MATERIAL/TYPE - REFER TO FINISH SCHEDULE

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945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
INTERIOR ELEVATIONS - UNIT A

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** CLIENT PROJ NO: **3431007000**

SHEET:

AA8.15-2

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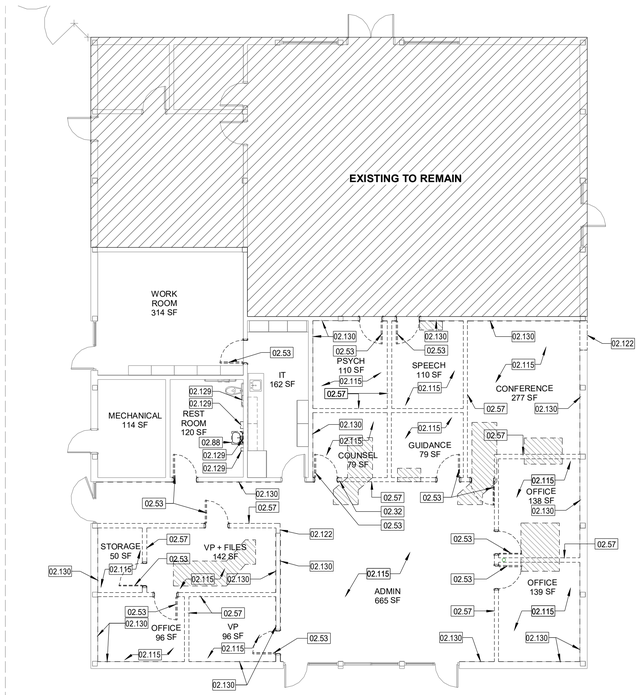
LEGEND

- EXISTING ELEMENT TO REMAIN
- EXISTING ELEMENT TO BE DEMOLISHED
- EXTENT OF SLAB DEMO. (SEE STRUCTURAL, MECHANICAL, ELECTRICAL & PLUMBING TO VERIFY EXTENTS OF SLAB DEMO REQUIRED FOR IMPROVEMENT WORK.)



PN

DEMOLITION FLOOR PLAN - UNIT B — 1 — 1/8" = 1'-0"

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LICENSED ARCHITECT JENNIFER PEARSON HUANG C-35691 REN. 05/31/25 STATE OF CALIFORNIA

ISSUE

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DEMOLITION KEYNOTES

02.32	(E) WOOD POST, 2X MEMBERS ON EACH SIDE OF POST, AND FOOTING TO REMAIN- PROTECT IN PLACE. STAIN WOOD (WSTN1) WHERE EXPOSED - SEE FINISH SCHEDULE
02.53	REMOVE (E) DOOR, FRAME AND HARDWARE SYSTEM
02.57	REMOVE (E) WALL IN ITS ENTIRETY.
02.88	REMOVE AND RELOCATE (E) PLUMB FIXTURE | REMODEL PLAN, PLUMB
02.115	REMOVE (E) FLOOR FINISHES DOWN TO (E) SLAB
02.122	REMOVE PORTION OF (E) WALL AND CURB AS NECESSARY FOR NEW WALL OPENING
02.129	REMOVE (E) TOILET ACCESSORY AND SALVAGE FOR REINSTALLATION
02.130	REMOVE (E) WALL FINISHES AND PREPARE WALL TO ACCEPT FINISHES SCHEDULED

DEMOLITION GENERAL NOTES

1. PROTECT ALL ITEMS NOT NOTED TO BE REMOVED OR MODIFIED. REPAIR ALL DAMAGED ITEMS TO SAME CONDITION AS BEFORE DAMAGE OCCURRED.
2. REMOVE ALL ITEMS SCHEDULED FOR DEMOLITION INCLUDING MOUNTING HARDWARE, ABANDONED SWITCHES, WIRING AND SURFACE MOUNTED CONDUIT. SURFACES SHALL BE CLEANED AND PREPARED TO RECEIVE NEW WORK.
3. ALL ITEMS TO BE REMOVED AND NOT REINSTALLED SHALL BE DISPOSED OF OFF SITE.
4. REMOVE ALL ITEMS REQUIRED TO INSTALL NEW WORK WHETHER OR NOT SPECIFICALLY SHOWN TO BE REMOVED OR MODIFIED.
5. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.

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SHEET NAME:
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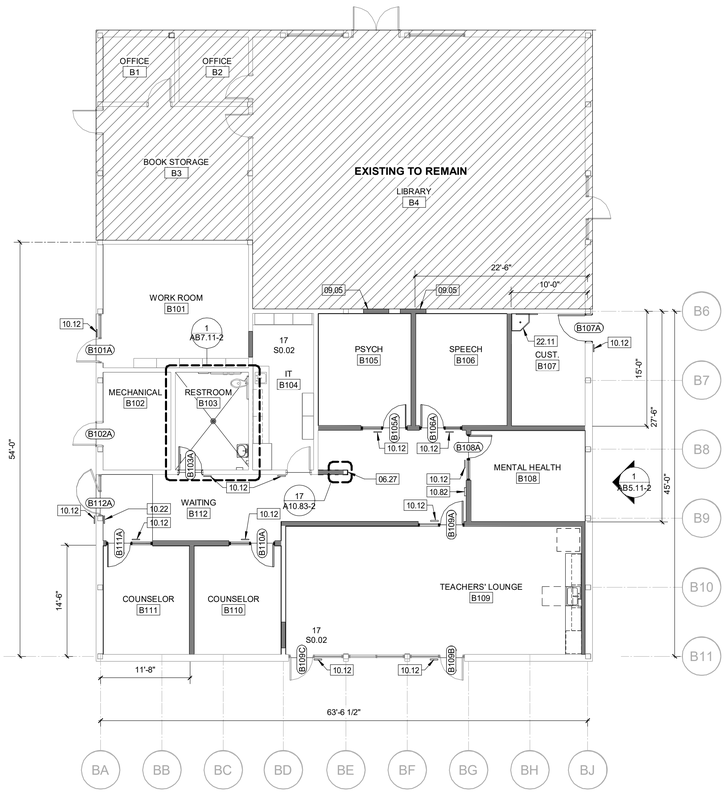

LEGEND

EXISTING WALL TO REMAIN

2X6 WOOD STUD WALL U.O.N, SEE STRUCTURAL FOR SPACING. WHERE NOT INDICATED ON STRUCTURAL, PROVIDE 2X6 STUDS @ 16" O.C, U.O.N. SEE 1 / A10.21-2

GENERAL NOTES

1. PROVIDE SOUND INSULATION AT ALL NEW INTERIOR WALLS AND AT ALL EXISTING INTERIOR WALLS WHERE FINISHES ARE TO BE REMOVED DOWN TO STUDS.
2. PROVIDE THERMAL INSULATION AT ALL NEW EXTERIOR WALLS AND AT ALL EXISTING EXTERIOR WALLS WHERE FINISHES ARE TO BE REMOVED DOWN TO STUDS.

SOUND ISOLATION NOTES

1. GYPSUM WALLBOARD IS 5/8" TYPE "X", UNLESS OTHERWISE NOTED.
2. PROVIDE 2 CONTINUOUS BEADS OF SEALANT BETWEEN STUD TRACK OR SILL PLATE & FINISH FLOOR.
3. WHERE 2 LAYERS OF GYPSUM WALLBOARD OCCURS, STAGGER THE JOINTS: DO NOT TAPE THE INNER LAYER, UNLESS REQUIRED BY FIRE ASSEMBLY.
4. PENETRATIONS THROUGH GYPSUM WALLBOARD ABOVE CEILINGS
   - A. DUCTWORK: PROVIDE 1 INCH GAP ALL AROUND AND FILL WITH SOUND INSULATION.
   - B. CONDUIT / PIPING: CAULK ALL AROUND WITH SEALANT.
5. ELECTRICAL BOXES FOR LIGHTING, POWER, SIGNAL AND ALARM
   - A. LOCATE EACH BOX IN SEPARATE STUD CAVITY. DO NOT MOUNT BACK-TO-BACK OUTLETS ON THE SAME STUD. AT LOCATIONS WHERE THESE REQUIREMENTS CANNOT BE MET, REVIEW LAYOUT WITH ARCHITECT PRIOR TO INSTALLATION.
   - B. WRAP WITH "BOX PADS", SPECIFIED IN DIVISION 26.

KEYNOTES

06.27	WOOD WALL CAP; STAIN WOOD (WSTN1) - SEE FINISH SCHEDULE
09.05	PROVIDE GYPSUM BOARD AT WALL INFILL; MATCH (E) WALL FINISHES AND WALL BASE. COLORS TBD
10.12	ROOM ID SIGN, SEE 21/A10.81-2
10.22	TACTILE "EXIT" SIGN, SEE 22/A10.81-2
10.82	SEMI-RECESSED FIRE EXTINGUISHER CABINET, SEE 14/A10.71-2
22.11	MOP SINK | PLUMB

PN

OVERALL FLOOR PLAN - UNIT B 1 — 1/8" = 1'-0"

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LEGEND

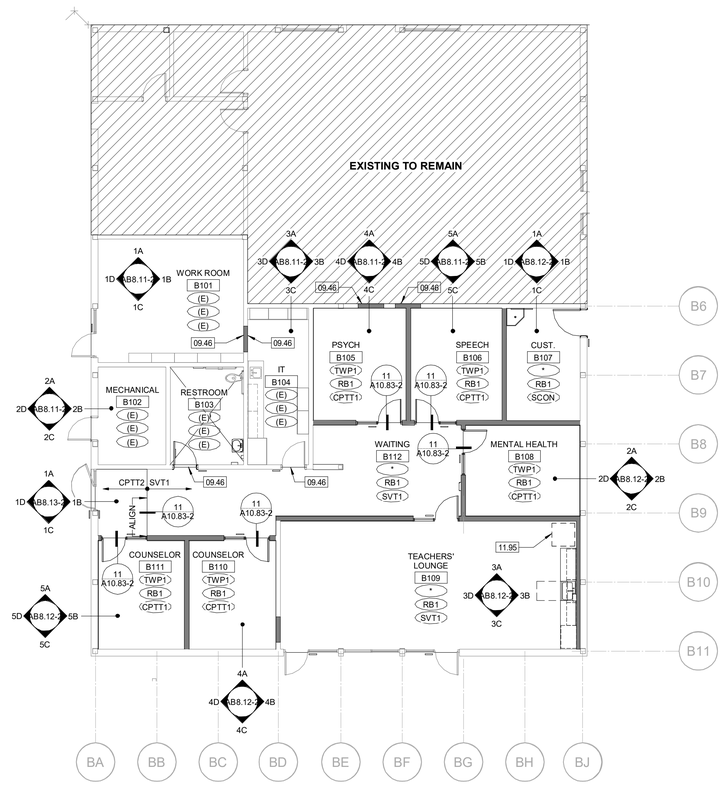
BUILDING ELEMENTS

- EXISTING PARTITION TO REMAIN
- 2X6 WOOD STUD WALL U.O.N. SEE STRUCTURAL FOR SPACING. WHERE NOT INDICATED ON STRUCTURAL, PROVIDE 2X6 STUDS @ 16" O.C. U.O.N. SEE 1 / A10.21-2

ROOM NAME
- ROOM NAME
- 101 — ROOM NUMBER
- WF — WALL FINISH - SEE FINISH SCHEDULE
- * = MULT. FINISHES, SEE INT. ELEVATIONS
- BF — BASE FINISH - SEE FINISH SCHEDULE
- FF — FLOOR FINISH - SEE FINISH SCHEDULE

GENERAL NOTES - FINISH PLANS

1. FINISHES DEPICTED IN FINISH PLANS AND ELEVATIONS ARE NOT SHOWN ON PARTIAL FLOOR PLANS. REFER TO ENLARGED PLANS, ELEVATIONS, AND DETAILS



KEYNOTES

09.46 PATCH & REPAIR FLOOR TO MATCH (E) ADJ FLOOR FINISH WHERE NEW FLOOR FINISH IS NOT BEING PROVIDED

11.95 REFRIGERATOR; O.F.O.I.

NOTES

1. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING FINISHES & HEIGHTS.
2. ALL COLUMNS AND PARTITIONS SHALL RECEIVE SCHEDULED BASE FOR THE ROOM, U.N.O.
3. CENTER FLOOR FINISH TRANSITIONS AT THE CENTER OF THE DOOR WHEN IN THE CLOSED POSITION, U.N.O.
4. ALL EXPOSED PIPING, LOUVERS, GRILLES, REGISTERS & CONDUITS TO BE PAINTED TO MATCH ADJACENT WALL SURFACES, U.N.O.
5. REFER TO SHEET A9.31-2 FOR FINISH SCHEDULE.

PN

1ST FLOOR - PLAN 1 1/8" = 1'-0"

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945 SOUTH HAM LANE LODI, CA 95242

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FINISH PLAN - UNIT B

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DEMO LEGEND

BUILDING ELEMENTS

- GYPSUM WALLBOARD, PLASTER, OR STUCCO CEILING TO BE REMOVED
- 12"x12" ACOUSTIC GLUE-UP TILE TO BE REMOVED. (E) GYPSUM BOARD LAYER TO BE REMOVED AT STRUCTURE EXCEPT WHERE NEW GLUE-UP TILE IS BEING INSTALLED.
- LIGHT FIXTURE TO BE REMOVED (SHAPES WILL VARY)
- LIGHT FIXTURE TO BE REMOVED (SHAPES WILL VARY)
- GYPSUM WALLBOARD, PLASTER, OR STUCCO CEILING TO REMAIN
- LIGHT FIXTURE TO REMAIN (SHAPES WILL VARY)

GENERAL DEMO NOTES - RCP'S

1. PROTECT ALL ITEMS NOT NOTED TO BE REMOVED OR MODIFIED. REPAIR ALL DAMAGED ITEMS TO CONDITION SAME AS BEFORE DAMAGE OCCURRED.
2. REMOVE ALL ITEMS SCHEDULED FOR DEMOLITION INCLUDING MOUNTING HARDWARE, ABANDONED SWITCHES, WIRING, AND SURFACE MOUNTED CONDUIT. SURFACES SHALL BE CLEANED AND PREPARED TO RECEIVE NEW WORK.
3. ALL ITEMS TO BE REMOVED AND NOT REINSTALLED SHALL BE DISPOSED OF OFF SITE.
4. REMOVE ALL ITEMS AS REQUIRED TO INSTALL NEW WORK WHETHER OR NOT SPECIFICALLY SHOWN TO BE REMOVED OR MODIFIED.
5. SEE DEMOLITION STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
6. REMOVE (E) GYPSUM BOARD LAYER AT STRUCTURE WHERE NEW SUPSENDED CEILING GRIDS OR NEW FRAMED CEILINGS ARE BEING INSTALLED. MAINTAIN (E) GYPSUM BOARD LAYER AT STRUCTURE ONLY WHERE NEW GLUE-UP TILE IS BEING INSTALLED. PATCHBACK GYPSUM BOARD AS NECESSARY.

KEYNOTES

02.60	DEMOLISH (E) CEILING FINISH AND FRAMING IN ITS ENTIRETY
02.61	REMOVE (E) GYPSUM BOARD FINISH BACK TO (E) STRUCTURE
02.62	REMOVE (E) ACOUSTICAL CEILING TILE FINISH; (E) GYPSUM BOARD LAYER TO BE REMOVED AT STRUCTURE EXCEPT WHERE NEW GLUE-UP TILE IS BEING INSTALLED. PATCHBACK GYPSUM BOARD AS NECESSARY TO ACCOMMODATE NEW GLUE-UP TILE.
02.63	REMOVE (E) LIGHT FIXTURE | ELEC

NOTES

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DEMOLITION REFLECTED CEILING PLAN - UNIT B — 1 — 1/8" = 1'-0"

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PROJECT:
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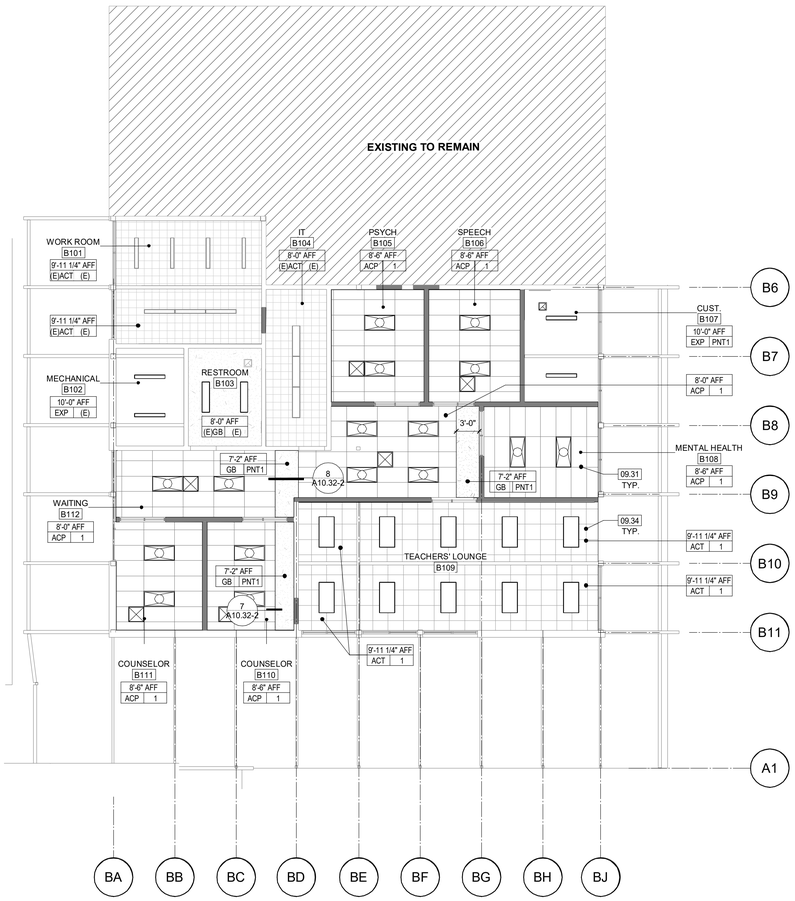

LEGEND

BUILDING ELEMENTS

- PARTITION
- GYPSUM WALLBOARD, PLASTER, OR STUCCO CEILING - REF: CEILING TAGS
- 24"x24" ACOUSTIC GLUE-UP TILE - REF: CEILING TAGS AND SPECIFICATIONS
- 24"x48" ACOUSTIC TILE CEILING SYSTEM - REF: CEILING TAGS AND SPECIFICATIONS
- SURFACE MOUNTED LIGHT FIXTURE (SHAPES WILL VARY)
- RECESSED LIGHT FIXTURE (SHAPES WILL VARY)
- RECESSED CAN LIGHT FIXTURE (SHAPES WILL VARY)
- RIGID STEM PENDANT LIGHT FIXTURE
- RETURN AIR GRILLE (SHAPES WILL VARY)
- SUPPLY AIR GRILLE (SHAPES WILL VARY)
- X'-XX" — HEIGHT ABOVE FINISH FLOOR
- CEILING HEIGHT A.F.F.
- 1'-0" AFF / TYPE | FIN — CEILING FINISH - REFER TO FINISH SCHEDULE
- CEILING TYPE - REFER TO FINISH SCHEDULE

GENERAL NOTES - RCP'S

1. DIMENSIONS TO FACE OF PARTITIONS ARE TO FACE OF SUBSTRATE LAYER AS SHOWN IN PARTITION TYPES. FINISHES DEPICTED IN FINISH PLANS AND ELEVATIONS ARE NOT SHOWN ON PARTIAL FLOOR PLANS. REFER TO ENLARGED PLANS, ELEVATIONS, AND DETAILS.
2. SEE A10.3 SERIES SHEETS FOR TYPICAL CEILING DETAILS.
3. PAINT ALL EXPOSED ITEMS IN ROOMS THAT ARE OPEN TO STRUCTURE, U.N.O.

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KEYNOTES

09.31 SUSPENDED ACOUSTICAL PANEL CEILING
09.34 ACOUSTICAL CEILING TILE

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945 SOUTH HAM LANE LODI, CA 95242

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REFLECTED CEILING PLAN - UNIT B

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

AB3.11-2

PN

REFLECTED CEILING PLAN - UNIT B **1** 1/8" = 1'-0"

PLEASE RECYCLE

Autodesk Docs://3431007000 Lodi MS Additions/3431007000-LODI-MS-ADDITIONS.rvt
4/7/2025 11:13:57 AM

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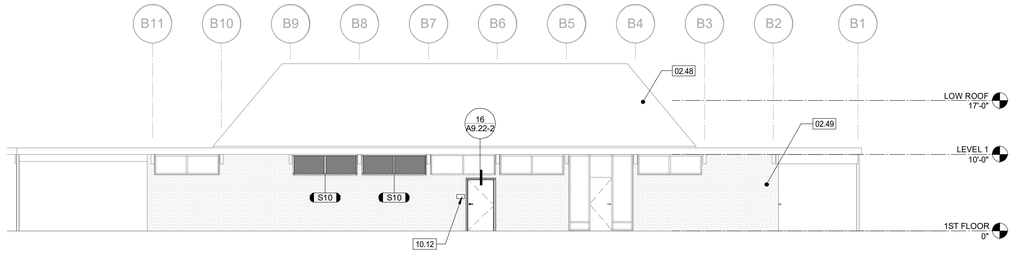

EAST ELEVATION - UNIT B

1
1/8" = 1'-0"

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT
JENNIFER PEARSON WONG
C-35691
REN. 05/31/25
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

02.48	(E) METAL PANEL ROOF TO REMAIN
02.49	(E) BRICK VENEER
10.12	ROOM ID SIGN, SEE 21/A10.81-2

NOTES

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
EXTERIOR ELEVATIONS - UNIT B

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

AB5.11-2

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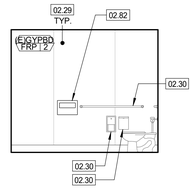
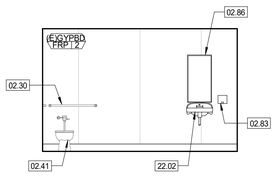
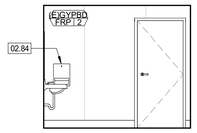


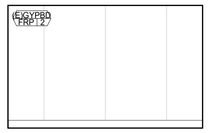
B103 RESTROOM **2A** 1/4" = 1'-0"



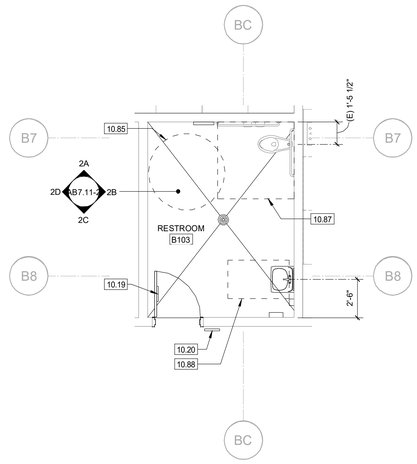
B103 RESTROOM **2B** 1/4" = 1'-0"



B103 RESTROOM **2C** 1/4" = 1'-0"



B103 RESTROOM **2D** 1/4" = 1'-0"



ENLARGED FLOOR PLAN - TOILET ROOM - B103 **1** 1/4" = 1'-0"

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects

3431007000

2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT
JENNIFER PEARSON-ADAMS
C-35691
REN. 05/31/25
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

02.29	(E) FRP TO REMAIN; PROTECT IN PLACE. REPLACE FRP PANELS AS NECESSARY DUE TO DEMOLITION SCOPE
02.30	(E) TOILET ACCESSORY TO REMAIN; PROTECT IN PLACE
02.41	(E) PLUMB FIXTURE TO REMAIN; PROTECT IN PLACE | PLUMB
02.82	(N) LOCATION OF (E) RELOCATED (E) TOILET SEAT COVER DISPENSER
02.83	(N) LOCATION OF (E) RELOCATED SOAP DISPENSER
02.84	(N) LOCATION OF (E) RELOCATED PAPER TOWEL DISPENSER
02.86	(N) LOCATION OF (E) RELOCATED MIRROR
10.19	UNISEX RESTROOM ID GEOMETRIC DOOR SIGN, SEE 13/A10.81-2
10.20	UNISEX RESTROOM ID WALL SIGN, SEE 5/A10.81-2
10.85	60" DIA. ACCESSIBLE TURNING SPACE
10.87	60" X 60" CLEAR FLOOR SPACE
10.88	30" X 48" CLEAR FLOOR SPACE
22.02	LAVATORY, ACCESSIBLE | PLUMB

NOTES

1. SEE A10.6 SERIES SHEETS FOR TYPICAL CASEWORK ATTACHMENT DETAILS.
2. SEE SHEET A10.71-2 FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBILITY.

LEGEND

CASEWORK ABBREVIATIONS:

WI WOODWORK INSTITUTE

FINISH TAG:

M
F 1.1

SUBSTRATE
COLOR/TYPE - REFER TO FINISH SCHEDULE
MATERIAL/TYPE - REFER TO FINISH SCHEDULE

FACILITY:

LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:

LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2

SHEET NAME:

ENLARGED PLANS AND INTERIOR ELEVATIONS

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

AB7.11-2

Autodesk Docs://3431007000 Lodi MS Additions/3431007000-LODI-MS-ADDITIONS.rvt
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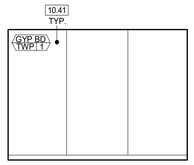
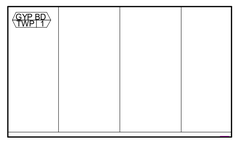
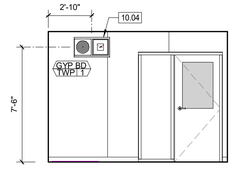


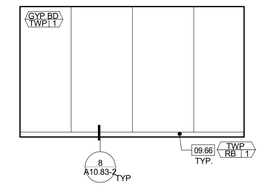
B106 SPEECH **5A** 1/4" = 1'-0"



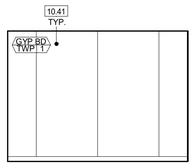
B106 SPEECH **5B** 1/4" = 1'-0"



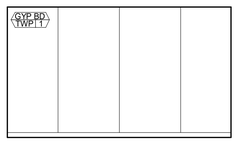
B106 SPEECH **5C** 1/4" = 1'-0"



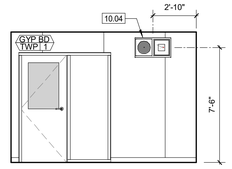
B106 SPEECH **5D** 1/4" = 1'-0"



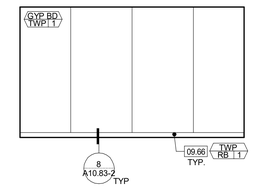
B105 PSYCH **4A** 1/4" = 1'-0"



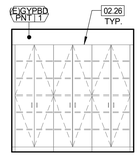
B105 PSYCH **4B** 1/4" = 1'-0"



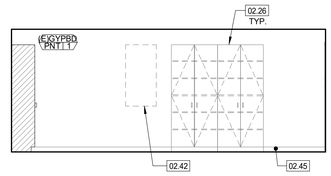
B105 PSYCH **4C** 1/4" = 1'-0"



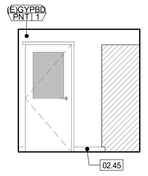
B105 PSYCH **4D** 1/4" = 1'-0"



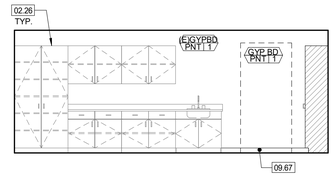
B104 IT **3A** 1/4" = 1'-0"



B104 IT **3B** 1/4" = 1'-0"

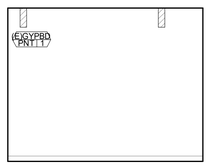


B104 IT **3C** 1/4" = 1'-0"



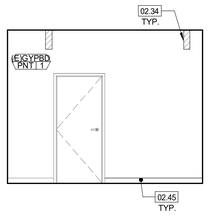
B104 IT **3D** 1/4" = 1'-0"

B102 MECHANICAL **2A** 1/4" = 1'-0"

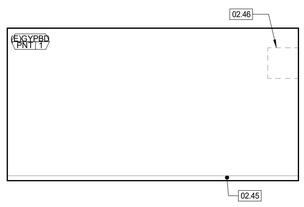


B102 MECHANICAL **2B** 1/4" = 1'-0"

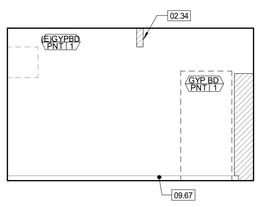
B102 MECHANICAL **2C** 1/4" = 1'-0"



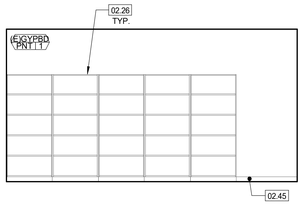
B102 MECHANICAL **2D** 1/4" = 1'-0"



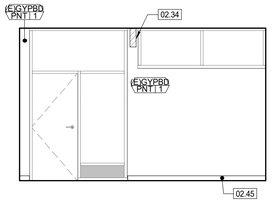
B101 WORK ROOM **1A** 1/4" = 1'-0"



B101 WORK ROOM **1B** 1/4" = 1'-0"



B101 WORK ROOM **1C** 1/4" = 1'-0"



B101 WORK ROOM **1D** 1/4" = 1'-0"

Autodesk Docs://3431007000 Lodi MS Additions/3431007000-LODI-MS-ADDITIONS.rvt
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AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT
JENNIFER PEARSON YEANG
C-35591
REN. 05/31/25
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

02.26 (E) CASEWORK TO REMAIN; PROTECT IN PLACE
02.34 (E) WOOD BEAM TO REMAIN; PROTECT IN PLACE. STAIN WOOD (WSTN1) WHERE EXPOSED - SEE FINISH SCHEDULE
02.42 (E) ELEC PANEL TO REMAIN; PROTECT IN PLACE | ELEC
02.45 (E) WALL BASE TO REMAIN; PROTECT IN PLACE
02.46 (E) IDF TO REMAIN; PROTECT IN PLACE
09.66 RESILIENT BASE
09.67 RESILIENT BASE; TO MATCH EXISTING COLOR
10.04 CLOCK/SPEAKER COMBO; CENTER ON WALL U.N.O.
10.41 TACKABLE WALL PANELS, SEE 9/A10.83-2

NOTES

1. SEE A10.6 SERIES SHEETS FOR TYPICAL CASEWORK ATTACHMENT DETAILS.
2. SEE SHEET A10.71-2 FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBILITY.

LEGEND

CASEWORK ABBREVIATIONS:

WI WOODWORK INSTITUTE

FINISH TAG:

M
F 1
SUBSTRATE
COLOR/TYPE - REFER TO FINISH SCHEDULE
MATERIAL/TYPE - REFER TO FINISH SCHEDULE

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

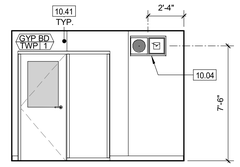
PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
INTERIOR ELEVATIONS - UNIT B

CONSTRUCTION DOCUMENTS

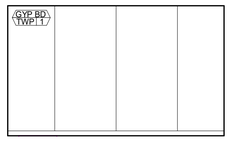
DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**
SHEET:

AB8.11-2

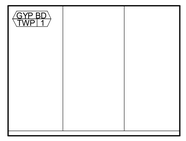
THE LINE SHOWN ABOVE IS 1" IF THIS DRAWING IS NOT 1" AS INDICATED, SHEET'S ORIGINAL PAGE SIZE



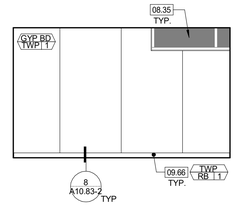
B111 COUNSELOR **5A** 1/4" = 1'-0"



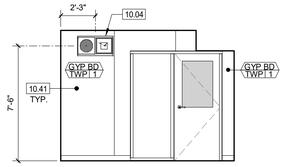
B111 COUNSELOR **5B** 1/4" = 1'-0"



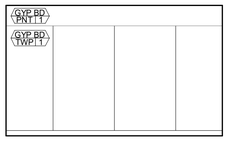
B111 COUNSELOR **5C** 1/4" = 1'-0"



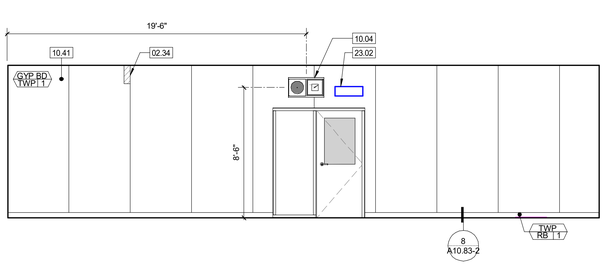
B111 COUNSELOR **5D** 1/4" = 1'-0"



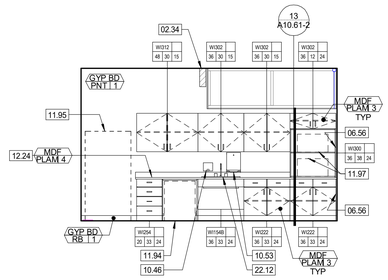
B110 COUNSELOR **4A** 1/4" = 1'-0"



B110 COUNSELOR **4B** 1/4" = 1'-0"



B109 TEACHERS LOUNGE **3A** 1/4" = 1'-0"



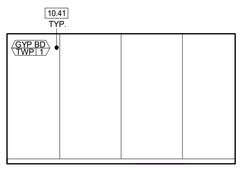
B109 TEACHERS LOUNGE **3B** 1/4" = 1'-0"

B110 COUNSELOR **4C** 1/4" = 1'-0"

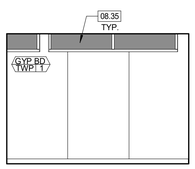
B110 COUNSELOR **4D** 1/4" = 1'-0"

B109 TEACHERS LOUNGE **3C** 1/4" = 1'-0"

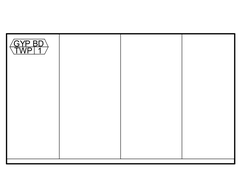
B109 TEACHERS LOUNGE **3D** 1/4" = 1'-0"



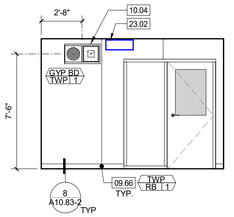
B108 MENTAL HEALTH **2A** 1/4" = 1'-0"



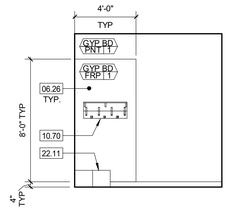
B108 MENTAL HEALTH **2B** 1/4" = 1'-0"



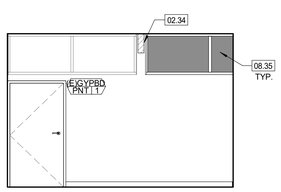
B108 MENTAL HEALTH **2C** 1/4" = 1'-0"



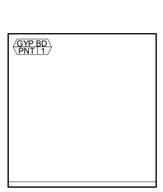
B108 MENTAL HEALTH **2D** 1/4" = 1'-0"



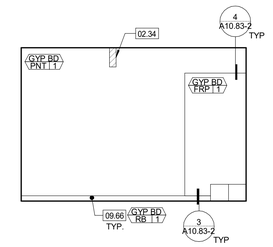
B107 CUSTODIAL **1A** 1/4" = 1'-0"



B107 CUSTODIAL **1B** 1/4" = 1'-0"



B107 CUSTODIAL **1C** 1/4" = 1'-0"



B107 CUSTODIAL **1D** 1/4" = 1'-0"

PLEASE RECYCLE

AGENCY APPROVAL:

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DIV. OF THE STATE ARCHITECT
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DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
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LICENSED ARCHITECT
JENNIFER PEARSON-HOANG
C-35691
REN. 05/31/25
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

02.34	(E) WOOD BEAM TO REMAIN; PROTECT IN PLACE. STAIN WOOD (WSTN1) WHERE EXPOSED - SEE FINISH SCHEDULE
06.26	FIBERGLASS REINFORCED PANELING
06.56	FILLER PANEL
08.35	SOLID ARCHITECTURAL PANEL, MAPES-R INFILL PANEL OR EQUAL. POLYSTYRENE CORE WITH 3MM SOLID PLASTIC ABS SUBSTRATES AND STANDARD KYNAR FINISH.
09.66	RESILIENT BASE
10.04	CLOCK/SPEAKER COMBO; CENTER ON WALL U.N.O.
10.41	TACKABLE WALL PANELS, SEE 9/A10.83-2
10.46	SOAP DISPENSER; O.F.C.I.
10.53	PAPER TOWEL DISPENSER; SURFACE MOUNTED; O.F.C.I
10.70	MOP & BROOM HOLDER
11.94	DISHWASHER; O.F.O.I.
11.95	REFRIGERATOR; O.F.O.I.
11.97	MICROWAVE; O.F.O.I.
12.24	PLASTIC LAMINATE COUNTERTOP
22.11	MOP SINK | PLUMB
22.12	COUNTER SINK | PLUMB
23.02	MECHANICAL DIFFUSER/GRILLE | MECH

NOTES

1. SEE A10.6 SERIES SHEETS FOR TYPICAL CASEWORK ATTACHMENT DETAILS.
2. SEE SHEET A10.71-2 FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBILITY.

LEGEND

CASEWORK ABBREVIATIONS:

WI WOODWORK INSTITUTE

FINISH TAG:

M
F | T
- SUBSTRATE
- COLOR/TYPE - REFER TO FINISH SCHEDULE
- MATERIAL/TYPE - REFER TO FINISH SCHEDULE

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
INTERIOR ELEVATIONS - UNIT B

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

AB8.12-2

Autodesk Docs://3431007000 Lodi MS Additions/3431007000-LODI-MS-ADDITIONS.rvt
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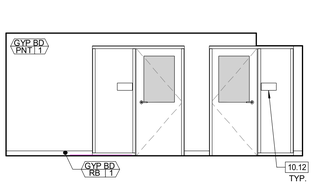
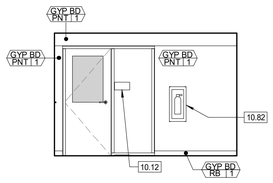


B112 WAITING **1A** 1/4" = 1'-0"



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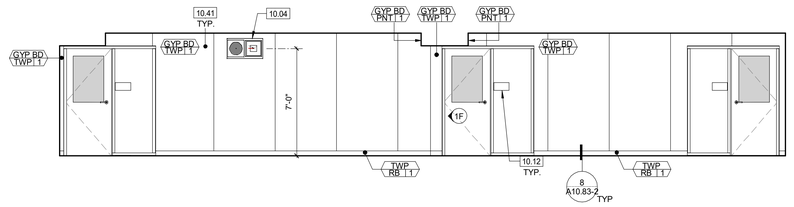

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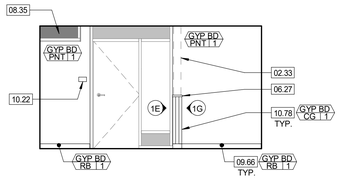

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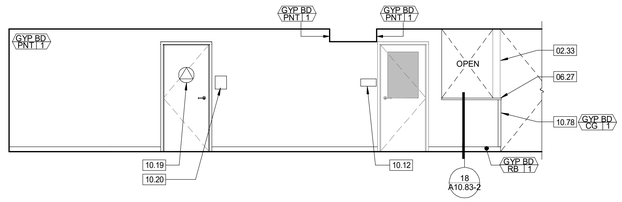

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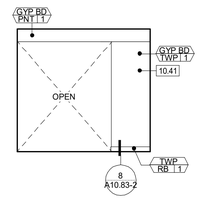

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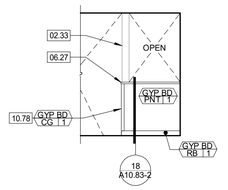

B112 WAITING **1G** 1/4" = 1'-0"

AGENCY APPROVAL:

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LODI UNIFIED SCHOOL DISTRICT

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LICENSED ARCHITECT
JENNIFER PEARSON HOANG
C-35691
REN. 05/31/25
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

02.33	(E) WOOD POST AND FOOTING TO REMAIN; PROTECT IN PLACE. STAIN WOOD (WSTN1) WHERE EXPOSED - SEE FINISH SCHEDULE
06.27	WOOD WALL CAP; STAIN WOOD (WSTN1) - SEE FINISH SCHEDULE
08.35	SOLID ARCHITECTURAL PANEL, MAPES-R INFILL PANEL OR EQUAL. POLYSTYRENE CORE WITH 3MM SOLID PLASTIC ABS SUBSTRATES AND STANDARD KYNAR FINISH.
09.66	RESILIENT BASE
10.04	CLOCK/SPEAKER COMBO; CENTER ON WALL U.N.O.
10.12	ROOM ID SIGN, SEE 21/A10.81-2
10.19	UNISEX RESTROOM ID GEOMETRIC DOOR SIGN, SEE 13/A10.81-2
10.20	UNISEX RESTROOM ID WALL SIGN, SEE 5/A10.81-2
10.22	TACTILE "EXIT" SIGN, SEE 22/A10.81-2
10.41	TACKABLE WALL PANELS, SEE 9/A10.83-2
10.78	CORNER GUARD, SEE 19/A10.83-2
10.82	SEMI-RECESSED FIRE EXTINGUISHER CABINET, SEE 14/A10.71-2

NOTES

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2. SEE SHEET A10.71-2 FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBILITY.

LEGEND

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INCREMENT 2
SHEET NAME:
INTERIOR ELEVATIONS - UNIT B

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

AB8.13-2

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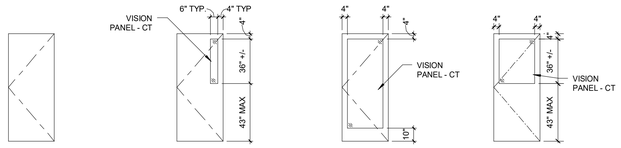
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOTS. IF IT IS NOT, ADJUST SCALE ACCORDINGLY

GENERAL NOTES

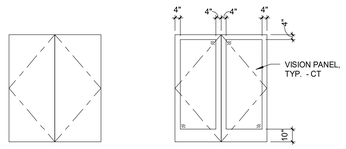
1. THE PURPOSE OF THIS SHEET IS TO DESCRIBE AND ILLUSTRATE DOOR TYPES. NOT ALL DOOR TYPES SHOWN ARE NECESSARILY USED. SEE DOOR SCHEDULE FOR DOOR TYPES USED.
2. FIRE DOORS, FIRE WINDOWS AND FIRE DAMPERS SHALL HAVE AN APPROVED LABEL OR LISTING MARK, INDICATING THE FIRE PROTECTION RATING WHICH IS PERMANENTLY AFFIXED AT THE FACTORY WHERE FABRICATION AND ASSEMBLY ARE DONE.
3. SMOKE BARRIER DOORS INSTALLED ACROSS THE CORRIDORS AND EXIT ACCESS DOORS LOCATED AT ZONE BOUNDARIES SHALL BE EQUIPPED WITH APPROVED VISION PANELS.
4. ALL SMOKE BARRIER DOORS LOCATED ON THE FLOOR OR IN THE AFFECTED ZONE SHALL COMPLY WITH CBC SECTION 716.2.6.6 AND SHALL BE AUTOMATIC CLOSING UPON ACTIVATION OF THE FIRE ALARM OR FIRE SPRINKLER SYSTEM.
5. ALL DOORS IN THE SMOKE BARRIERS AND OPENING INTO RATED EXIT WAYS SHALL BEAR AN APPROVED LABEL BEARING THE LETTER "S" (CBC 716.2.9.3)
6. ALL INTERIOR DOORS IN A 2-HOUR EXIT ENCLOSURE SHALL BE PROTECTED BY A FIRE ASSEMBLY OF NOT LESS THAN 90 MINUTES. THE MAXIMUM TRANSMITTED TEMPERATURE END POINT FOR SUCH DOORS SHALL NOT EXCEED 450 DEGREES F ABOVE AMBIENT AT THE END OF 30 MINUTES OF THE FIRE EXPOSURE SPECIFIED IN CBC 716.2.2.3.
7. FIRE ASSEMBLIES REQUIRED TO HAVE 1 1/2 HOURS, 1 HOUR OR 3/4 HOUR FIRE PROTECTION RATING SHALL BE EITHER AUTOMATIC OR SELF CLOSING FIRE ASSEMBLIES. AUTOMATIC CLOSING FIRE ASSEMBLIES TO BE ACTIVATED BY AN INCREASE IN TEMPERATURE SHALL HAVE HEAT-ACTUATING DEVICES INSTALLED ON EACH SIDE OF THE WALL AT THE CEILING HEIGHT WHERE THE CEILING IS MORE THAN 3 FEET ABOVE THE TOP OF THE OPENING OR BY A SINGLE FUSIBLE LINK IN THE OPENING INCORPORATED IN THE CLOSING DEVICE.
8. GLASS:
   A. INTERIOR DOORS:
      1. NON-RATED DOORS SHALL HAVE 1/4" CLEAR TEMPERED GLASS MIN, UNO.
      2. ALL RATED DOORS SHALL HAVE 1/4" CLEAR FIRE RATED GLASS MN, UNO.
   B. MAXIMUM GLASS IN FIRE RATED DOORS:
      1. 20 MINUTE DOORS: 1296 SQUARE INCHES MAXIMUM.
      2. 60 MINUTE DOORS: 100 SQUARE INCHES MAXIMUM.
      3. 90 MINUTE DOORS: 100 SQUARE INCHES MAXIMUM PER LITE.
9. GLAZING IN THE FOLLOWING LISTED AREAS SHALL BE DEEMED TO BE LOCATED IN HAZARDOUS LOCATIONS AND SUBJECT TO HUMAN IMPACT, AND AS SUCH SHALL BE REQUIRED TO BE COMPOSED OF SAFETY GLAZING:
   A. INGRESS AND EGRESS DOORS.
   B. FIXED PANELS IN SWINGING DOORS.
   C. GLAZING IN FIXED PANELS ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24 INCH ARC OF EITHER VERTICAL EDGE OF THE DOOR ON A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE WALKING SURFACE.
   D. GLAZING IN INDIVIDUAL FIXED PANELS WHERE:
      1. THE EXPOSED AREA OF THE INDIVIDUAL PANE EXCEEDS 9 SQUARE FEET.
      2. THE EXPOSED BOTTOM EDGE IS LESS THAN 18 INCHES ABOVE THE FLOOR.
      3. THE EXPOSED TOP EDGE IS GREATER THAN 36 INCHES ABOVE THE FLOOR.
      4. ONE OR MORE WALKING SURFACES WITHIN 36 INCHES HORIZONTALLY OF THE PLANE OF THE GLAZING.
10. EACH LIGHT OF THE GLAZING SHALL BEAR THE MANUFACTURER'S LABEL DESIGNATING THE TYPE AND THICKNESS OF GLASS. WHEN APPROVED BY THE AGENCY, LABELS MAY BE OMITTED FROM OTHER THAN SAFETY GLAZING MATERIALS, PROVIDED AN AFFIDAVIT IS FURNISHED BY THE GLAZING CONTRACTOR CERTIFYING THAT EACH LIGHT IS GLAZED IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS. IDENTIFICATION OF GLAZING IN HAZARDOUS LOCATIONS AND SUBJECT TO HUMAN IMPACT SHALL BE ETCHED OR CERAMIC FIRED ON THE GLASS AND READABLE FROM THE INSIDE OF THE BUILDING AFTER INSTALLATIONS.
11. EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
12. PANIC HARDWARE SHALL COMPLY WITH THE REQUIREMENTS OF CBC SECTION 1010.1.10. THE ACTIVATING MEMBER SHALL BE MOUNTED AT A HEIGHT OF NOT LESS THAN 36 INCHES NOR MORE THAN 44 INCHES ABOVE THE FLOOR. THE UNLATCHING FORCE SHALL NOT EXCEED 15 POUNDS WHEN APPLIED IN THE DIRECTION OF TRAVEL.
13. DOOR ASSEMBLIES, APPROACHES AND FINISH HARDWARE SHALL BE IN COMPLIANCE WITH DISABLED ACCESS CONSTRUCTION STANDARDS.
14. THE MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED THE FOLLOWING:
   A. EXTERIOR DOORS = 5.0 POUNDS
   B. INTERIOR DOORS = 5.0 POUNDS
   C. FIRE DOORS = 15.0 POUNDS
15. DOOR OPENING LOCATIONS:
   A. IMMEDIATELY 6" FROM F.O.S. ADJACENT TO A FLANKING WALL U.N.O.
   B. DOOR OPENINGS IN OTHER LOCATIONS ARE LOCATED BY DIMENSIONS.
16. SEE SPECIFICATIONS FOR HARDWARE SCHEDULE
17. FINISH FLOOR TRANSITIONS OCCUR AT CENTERLINE OF DOORS, UNLESS NOTED OTHERWISE
18. ALL INTERIOR DOORS WITH FIRE-RATINGS GREATER THAN 20 MINUTE SHALL HAVE A NONCOMBUSTIBLE SILL WITH AN UNDERCUT OF 3/8" MAXIMUM ABOVE THE SILL.
19. MIN. 32" CLEAR WIDTH: AT LEAST ONE ACTIVE LEAF TO MEET 32" CLEAR WIDTH.
20. THE BOTTOM 10 INCHES OF ALL DOORS AND GATES TO HAVE SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION (CBC. 11B-404.2.10).
21. DOOR THRESHOLD NOT TO EXCEED 1/2" WITH BEVELED SLOPE NOT MORE THAN 2:1 FOR THE UPPER 1/4" (CBC. 11B-303.3).
22. EACH LIGHT OF SAFETY GLAZING MATERIAL IN HAZARDOUS LOCATIONS AS DEFINED IN SECTION 2406 OF CHAPTER 24, "GLASS AND GLAZING," SHALL BE IDENTIFIED BY A LABEL WHICH WILL SPECIFY THE LABELER, WHETHER THE MANUFACTURER OR INSTALLER, AND STATE THAT SAFETY GLAZING MATERIAL HAS BEEN UTILIZED IN SUCH INSTALLATIONS. THE LABEL SHALL BE LEGIBLE AND VISIBLE FROM THE INSIDE OF THE BUILDING AFTER INSTALLATION AND SHALL SPECIFY THAT THE LABEL SHALL NOT BE REMOVED.
23. EACH PANE SHALL BEAR THE MANUFACTURER'S MARK DESIGNATING THE TYPE AND THICKNESS OF THE GLASS OR GLAZING MATERIAL. SAFETY GLAZING SHALL BE IDENTIFIED IN ACCORDANCE WITH CBC SECTION 2406.3. EACH PANE OF TEMPERED GLASS, EXCEPT TEMPERED SPANDREL GLASS, SHALL BE PERMANENTLY IDENTIFIED BY THE MANUFACTURER. THE IDENTIFICATION MARK SHALL BE ACID ETCHED, SAND BLASTED, CERAMIC FIRED, LASER ETCHED, EMBOSSED OR OF A TYPE THAT, ONCE APPLIED CANNOT BE REMOVED WITHOUT BEING DESTROYED. TEMPERED SPANDREL GLASS SHALL BE PROVIDED WITH A REMOVABLE PAPER MARKING BY THE MANUFACTURER.

DOOR TYPE LEGEND

PNL-F- XX-
- DOOR PANEL TYPE - SEE BELOW
- DOOR PANEL MATERIAL /FINISH - SEE LEGEND



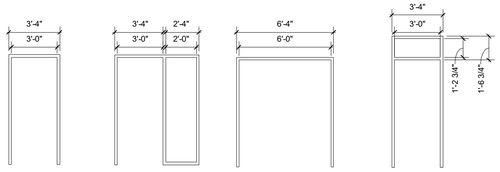
PNL-F PNL-N PNL-FG PNL-G



PNL-F PNL-FG

DOOR FRAME LEGEND

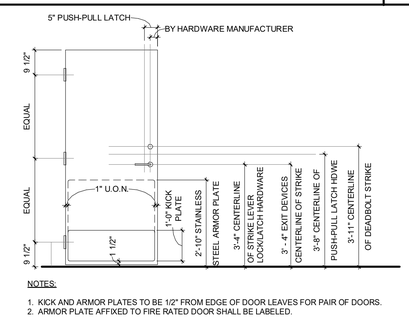
FRM-##XX-
- DOOR FRAME TYPE - SEE BELOW
- DOOR FRAME MATERIAL / FINISH - SEE LEGEND



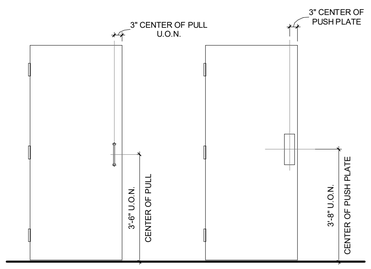
FRM-01HM FRM-02HM FRM-03HM FRM-04HM

FRM-05HM FRM-06HM

TYPICAL FINISH HARDWARE



NOTES:
1. KICK AND ARMOR PLATES TO BE 1/2" FROM EDGE OF DOOR LEAVES FOR PAIR OF DOORS.
2. ARMOR PLATE AFFIXED TO FIRE RATED DOOR SHALL BE LABELED.



DOOR SCHEDULE - UNITS A AND B

DOOR NUMBER	SIZE WIDTH PANEL 1	SIZE WIDTH PANEL 2	SIZE HEIGHT	DOOR TYPE	DOOR FINISH	Frame Type	FRAME FINISH	FIRE RATING (MINUTES)	HARDWARE GROUP	PANIC HARDWARE	UNDERCUT	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	COMMENTS
1ST FLOOR															
A101A	3'-0"		7'-0"	(E)	PAINT	(E)	PAINT	-	-		0"	7/A10.21-2	6/A10.21-2	4/A10.21	
A102A	3'-0"		7'-0"	(E)	PAINT	(E)	PAINT	-	-		0"	-	-	-	
A103A	3'-0"		7'-0"	(E)	PAINT	(E)	PAINT	-	-		0"	7/A10.21-2	6/A10.21-2	4/A10.21	
A104A	3'-0"		7'-0"	PNL-N-HM	PAINT	FRM-04HM	PAINT	-	03		0"	7/A10.21-2	6/A10.21-2	4/A10.21	
A104B	3'-0"		7'-0"	PNL-G-WD	PAINT	FRM-02HM	PAINT	-	09		0"	13/A10.21	13/A10.21	-	
A105A	3'-0"		7'-0"	PNL-G-WD	PAINT	FRM-02HM	PAINT	-	09	Yes	0"	13/A10.21	13/A10.21	-	
A106A	3'-0"		7'-0"	PNL-G-WD	PAINT	FRM-01HM	PAINT	-	10		0"	13/A10.21	13/A10.21	-	
A107A	3'-0"		7'-0"	PNL-G-WD	PAINT	FRM-02HM	PAINT	-	09		0"	13/A10.21	13/A10.21	-	
A107B	3'-0"		7'-0"	PNL-F-WD	PAINT	FRM-01HM	PAINT	-	13		0"	13/A10.21	13/A10.21	-	
A109A	3'-0"		7'-0"	PNL-F-G-AL	PR	FRM-00AL(CW)	PR	-	02		0"	7/A9.22-2	7/A9.22-2	8/A9.22-2	
A109B	3'-0"	3'-0"	7'-0"	PNL-F-G-AL	PR	FRM-00AL(CW)	PR	-	08		0"	7/A9.22-2	7/A9.22-2	8/A9.22-2	
A110B	3'-0"		7'-0"	PNL-G-WD	PAINT	FRM-02HM	PAINT	-	09		0"	13/A10.21	13/A10.21	-	
A112A	3'-0"		7'-0"	PNL-F-WD	PAINT	FRM-01HM	PAINT	-	11		0"	13/A10.21	13/A10.21	-	
A113A	3'-0"		7'-0"	PNL-F-G-AL	PR	FRM-00AL(CW)	PR	-	06		0"	7/A9.22-2	7/A9.22-2	8/A9.22-2	
A114A	3'-0"		7'-0"	PNL-F-WD	PAINT	FRM-01HM	PAINT	-	11		0"	13/A10.21	13/A10.21	-	
A116A	3'-0"		7'-0"	PNL-G-WD	PAINT	FRM-01HM	PAINT	-	10		0"	13/A10.21	13/A10.21	-	
A117A	3'-0"		7'-0"	PNL-F-WD	PAINT	FRM-01HM	PAINT	-	12		0"	13/A10.21	13/A10.21		
A119A	3'-0"		7'-0"	PNL-F-WD	PAINT	FRM-01HM	PAINT	-	12		0"	13/A10.21	13/A10.21	-	
A120A	3'-0"		7'-0"	PNL-F-WD	PAINT	FRM-01HM	PAINT	-	13		0"	13/A10.21	13/A10.21	-	
A121A	3'-0"		7'-0"	PNL-F-WD	PAINT	FRM-04HM	PAINT	-	05		0"	14/A10.21-2	6/A10.21-2, 19/A10.21-2	4/A10.21	
B101A	3'-0"		7'-0"	(E)	PAINT	(E)	PAINT	-	-		0"	-	-	-	
B102A	3'-0"		7'-0"	(E)	PAINT	(E)	PAINT	-	-		0"	-	-	-	
B103A	3'-0"		7'-0"	PNL-F-WD	PAINT	FRM-01HM	PAINT	-	12		0"	13/A10.21	13/A10.21	-	
B105A	3'-0"		7'-0"	PNL-G-WD	PAINT	FRM-02HM	PAINT	-	09		0"	13/A10.21	13/A10.21	-	
B106A	3'-0"		7'-0"	PNL-G-WD	PAINT	FRM-02HM	PAINT	-	09		0"	13/A10.21	13/A10.21	-	
B107A	3'-6"		6'-9"	PNL-F-HM	PAINT	FRM-01HM	PAINT	-	07		0"	16/A9.22-2	6/A10.21-2, SIM	4/A10.21	
B108A	3'-0"		7'-0"	PNL-G-WD	PAINT	FRM-02HM	PAINT	-	09		0"	13/A10.21	13/A10.21	-	
B109A	3'-0"		7'-0"	PNL-G-WD	PAINT	FRM-02HM	PAINT	-	09		0"	13/A10.21	13/A10.21	-	
B109B	3'-0"		7'-0"	(E)	PAINT	(E)	PAINT	-	-	No	0"	-	-	-	
B109C	3'-0"		7'-0"	(E)	PAINT	(E)	PAINT	-	-		0"	-	-	-	
B110A	3'-0"		7'-0"	PNL-G-WD	PAINT	FRM-02HM	PAINT	-	09		0"	13/A10.21	13/A10.21	-	
B111A	3'-0"		7'-0"	PNL-G-WD	PAINT	FRM-02HM	PAINT	-	09		0"	13/A10.21	13/A10.21	-	
B112A	3'-0"		7'-0"	(E)	PAINT	(E)	PAINT	-	-		0"	-	-	-	

DOOR MATERIAL/FINISH LEGEND

A	ALARM CONTACT
AL	ALUMINUM
ADG-1	ACOUSTIC DOOR GASKET
AO	AUTOMATIC DOOR OPERATOR
CA	CLEAR ANODIZED
CL	COMBO LOCK
CR	CARD READER
CT	CLEAR TEMPERED GLAZING
CW	CURTAIN WALL
DE	DELAYED EGRESS
EB	"PUSH TO EXIT" EMERGENCY BUTTON
EL	ELECTRICAL LOCK
EMC	ELECTRO MECHANICAL CLOSER
FA	FIRE ALARM INTERFACE RELAY
FF	FACTORY FINISHED
FG	FIRE RATED GLASS
FGF	FIRE RATED GLASS & FRAMING
HM	HOLLOW METAL
ID	INTEGRATED DOOR ASSEMBLY
IGU	INSULATED GLAZING UNITS
IP	INFILL PANEL
KD	KNOCK DOWN FRAME
MHO	MAGNETIC HOLD OPEN
NR	NOT RATED
PH	PANIC HARDWARE
PL	PLASTIC LAMINATE
PT	PAINT
PR	PRE-FINISHED
REX	REQUEST TO EXIT MOTION SENSOR
RF	RF COPPER SHIELDED NON-FERROUS SYSTEM
ST	STAIN GRADE WOOD VENEER
SC	SOLID CORE WOOD DOOR
SG	SAFETY GLAZING
SHD	SHIELDED DOOR FRAME / GLAZING
SP	SPANDREL GLAZING
STL	STEEL
SM	SMOKE BARRIER SEAL
SF	STOREFRONT SYSTEM
UC	UNDERCUT
WD	WOOD
WS	WAVE SENSOR

NOTES

1. FOR DOORS INDICATED WITH "ADG-1" SEE ACOUSTIC DOOR GASKET SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS IN ADDITION TO ANY REQUIREMENTS OUTLINED IN THE DOOR HARDWARE GROUP.

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LODI UNIFIED SCHOOL DISTRICT

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LICENSED ARCHITECT JENNIFER PEARSON-HAMAD C-35691 REN. 05/31/25 STATE OF CALIFORNIA

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FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
DOOR SCHEDULE

CONSTRUCTION DOCUMENTS

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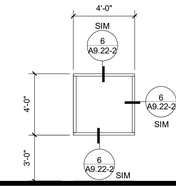
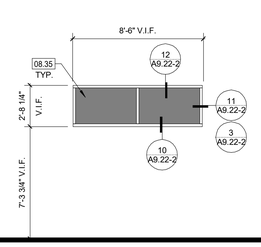


ALL GLAZING IS GL-3

S11

INTERIOR STOREFRONTS 2
1/4" = 1'-0"



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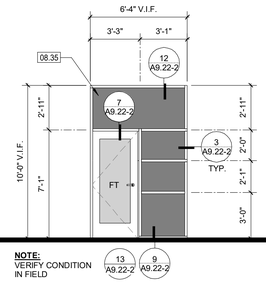
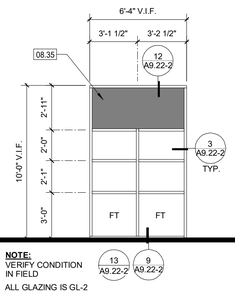


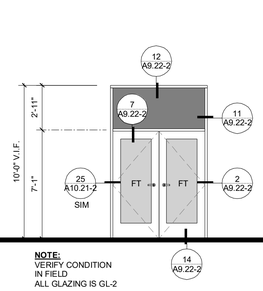
NOTE:
VERIFY CONDITION IN FIELD

S9



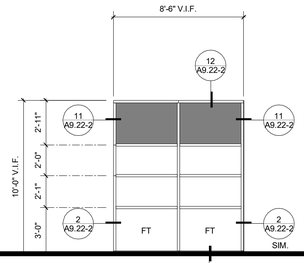
NOTE:
VERIFY CONDITION IN FIELD
ALL GLAZING IS GL-2

S8



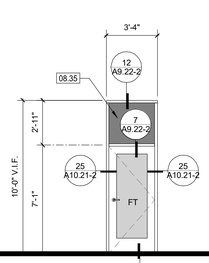
NOTE:
VERIFY CONDITION IN FIELD
ALL GLAZING IS GL-2

S7



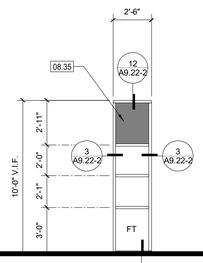
NOTE:
VERIFY CONDITION IN FIELD
ALL GLAZING IS GL-2

S6



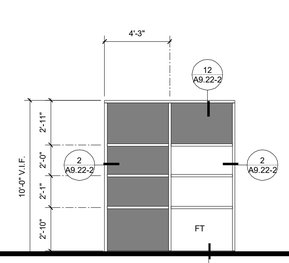
NOTE:
VERIFY CONDITION IN FIELD

S5



NOTE:
VERIFY CONDITION IN FIELD
ALL GLAZING IS GL-2

S4



NOTE:
VERIFY CONDITION IN FIELD
ALL GLAZING IS GL-2

S3

S1 AND S2 NOT USED

EXTERIOR STORFRONTS 4
1/4" = 1'-0"

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ABBREVIATIONS:

FT	FULLY TEMPERED GLASS

GLAZING TYPES:

GL-1	MONOLITHIC, FULLY TEMPERED FLOAT GLASS
GL-2	LOW E-COATED, TINTED INSULATING GLASS
GL-3	3/4" CLEAR ANNEALED LAMINATED

KEYNOTES

08.35	SOLID ARCHITECTURAL PANEL, MAPES-R INFILL PANEL OR EQUAL. POLYSTYRENE CORE WITH 3MM SOLID PLASTIC ABS SUBSTRATES AND STANDARD KYNAR FINISH.

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INCREMENT 2
SHEET NAME:
WINDOW SCHEDULE

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10**
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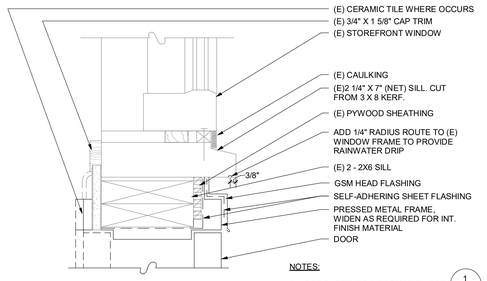
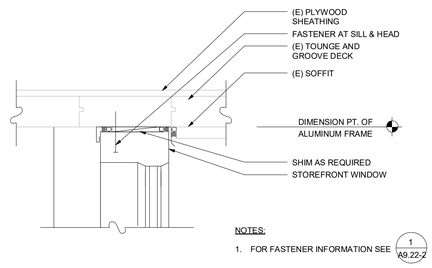
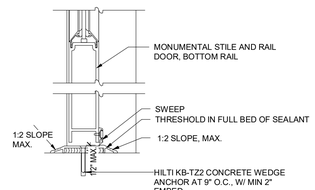


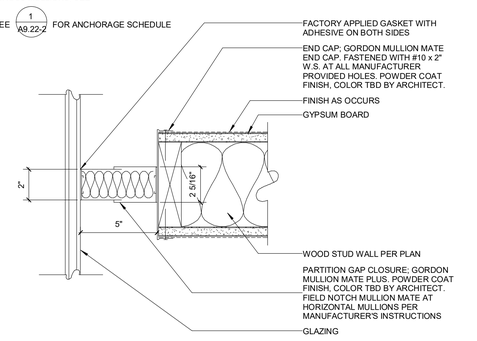
STOREFRONT SILL/ (N) DOOR FRAME @ (E) WALL 16 — 3" = 1'-0"



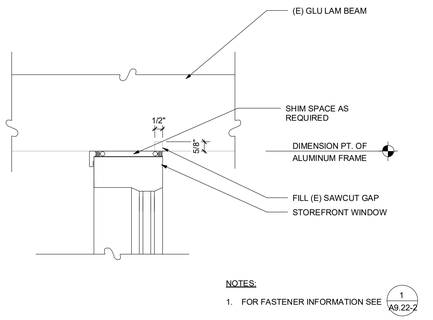
STOREFRONT HEAD @ (E) WALL 12 — 3" = 1'-0"



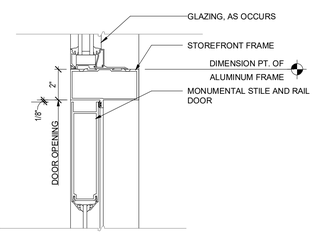
BOTTOM RAIL 8 — 3" = 1'-0"



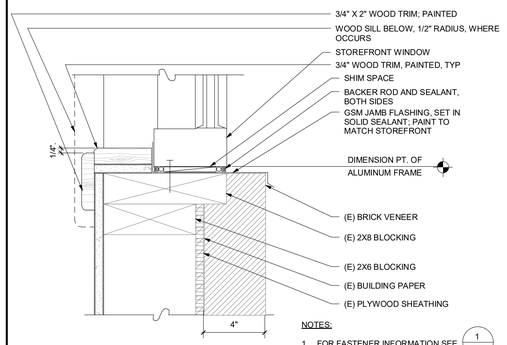
WALL JAMB @ STOREFRONT 15 — 3" = 1'-0"



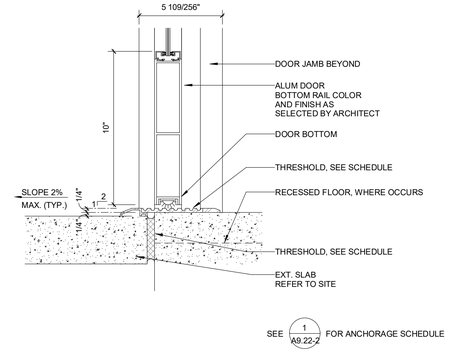
STOREFRONT JAMB @ (E) BEAM 11 — 3" = 1'-0"



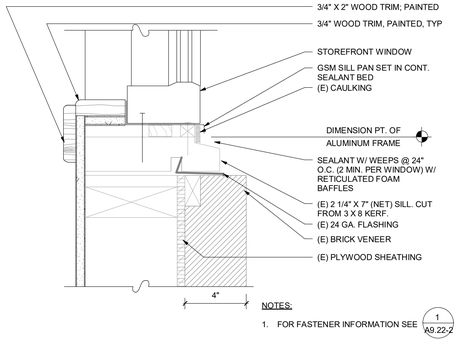
STOREFRONT HEAD/JAMB SIM. 7 — 3" = 1'-0"



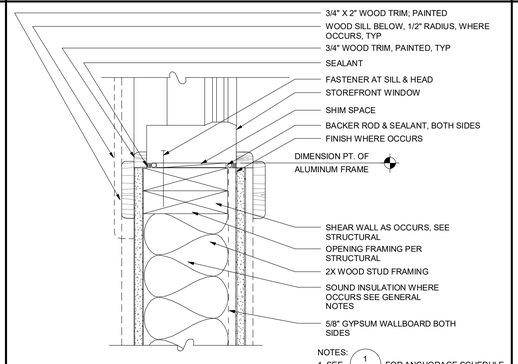
EXTERIOR STOREFRONT JAMB @ (E) BRICK VENEER 3 — 3" = 1'-0"



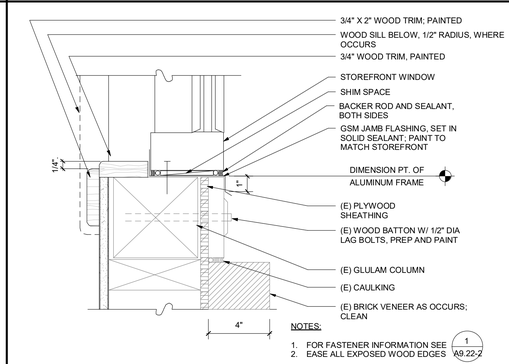
DOOR SILL - ALUMINUM STOREFRONT 14 — 3" = 1'-0"



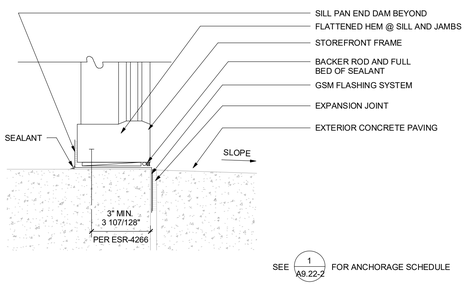
STOREFRONT SILL @ (E) WALL 10 — 3" = 1'-0"



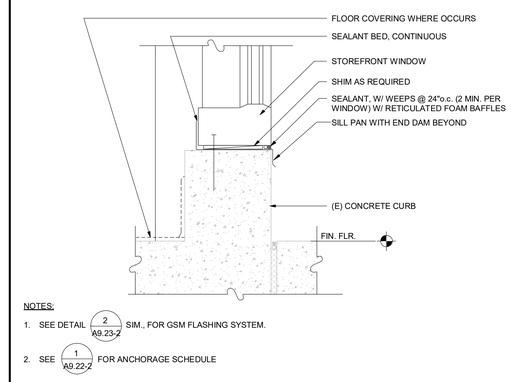
INTERIOR STOREFRONT @ SILL, HEAD AND JAMB, SIM. 6 — 3" = 1'-0"



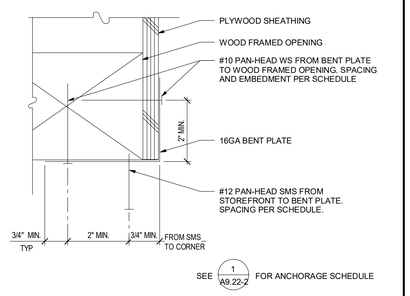
EXTERIOR STOREFRONT JAMB @ (E) COLUMN 2 — 3" = 1'-0"



STOREFRONT SILL 13 — 3" = 1'-0"



STOREFRONT SILL 9 — 3" = 1'-0"



BENT PLATE @ WOOD FRAMING 5 — 6" = 1'-0"

ANCHORAGE SCHEDULE

STOREFRONT HEIGHT	WOOD [1]	CONCRETE	CMU
	#12 pan-head WS w/ 2.5" embed	1/4" Hilti KH-EZ w/ 2.5" embed	1/2" Hilti KH-EZ w/ 4.25" embed
0' - 5'	@ 18" cc	@ 24" cc	@ 16" cc
5' - 10'	@ 12" cc	@ 24" cc	@ 8" cc
10' - 15'	@ 8" cc	@ 16" cc	@ 8" cc
STOREFRONT HEIGHT	**LIGHT-GAUGE**	**STEEL**	**STEEL**
	#10 SMS	**#10 SMS**	**Pins (Hilti X-U 15)**
0' - 5'	@ 24" cc	@ 24" cc	@ 24" cc
5' - 10'	@ 18" cc	@ 18" cc	@ 24" cc
10' - 15'	@ 12" cc	@ 12" cc	@ 18" cc

WIND DESIGN CRITERIA

RISK CATEGORY: III
BASIC WIND SPEED: 115 MPH (USD); 89 MPH (ASD)
EXPOSURE CATEGORY: C
KzT: 1.00 Kd: 0.85

NOTE:

1. AT STOREFRONT CONNECTIONS TO THE (E) ROOF DECK, USE #10 PAN-HEAD WS WITH 1 1/4" EMBED INTO EXISTING 2X6 T & G DECKING, SPACE SCREWS @ 8" CC.

STOREFRONT ANCHORAGE 1 — 12" = 1'-0"

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KEYNOTES

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945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2

SHEET NAME:
STOREFRONT DETAILS

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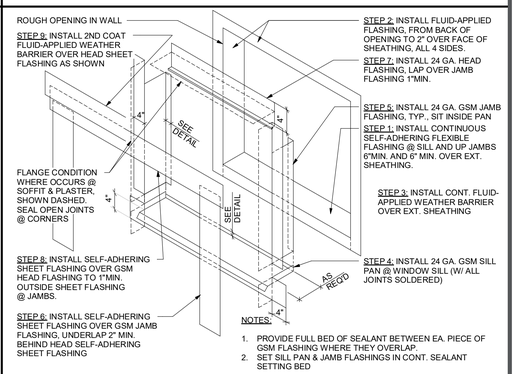
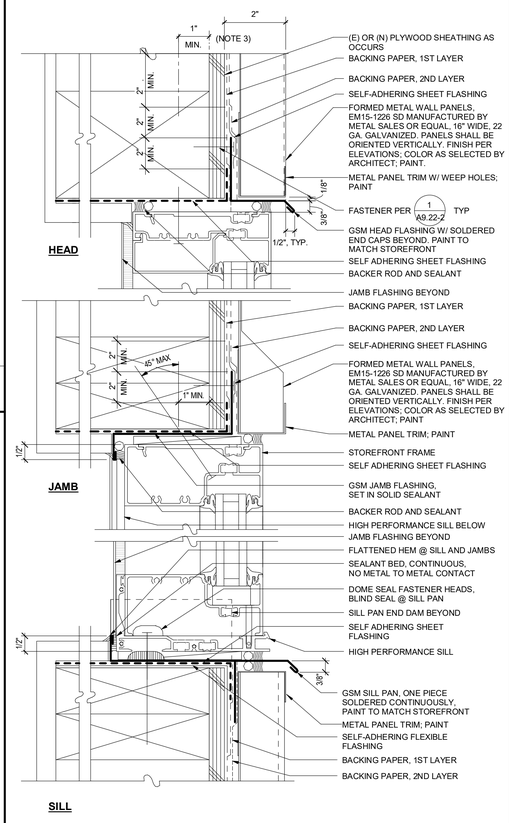


GSM FLASHING SYSTEM 2
1" = 1'-0"



WEATHER BARRIER FLASHING 1
6" = 1'-0"

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945 SOUTH HAM LANE LODI, CA 95242

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LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2

SHEET NAME:
STOREFRONT/ DOOR DETAILS

CONSTRUCTION DOCUMENTS

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INCREMENT 2

ARCHITECTURAL WOOD CASEWORK

TAG	MANUFACTURER	COLOR NAME	COLOR #	FINISH	NOTE
PLAM1	TBD	TBD	TBD	TBD	ADMIN DESK
PLAM2	TBD	TBD	TBD	TBD	ADMIN DESK COUNTERTOP
PLAM3	TBD	TBD	TBD	TBD	TYPICAL ADMIN CASEWORK
PLAM4	TBD	TBD	TBD	TBD	TYPICAL ADMIN COUNTERTOP

PLASTIC PANELING

TAG	MANUFACTURER	COLLECTION	COLOR NAME	COLOR #	FINISH	NOTE
FRP1	NUDO	FIBERLITE CLASS A	TBD	TBD	PEBBLED	
FRP2	NUDO	FIBERLITE CLASS A	TBD	TBD	PEBBLED	TO MATCH EXISTING

ACOUSTICAL PANEL CEILINGS

TAG	MANUFACTURER	COLLECTION	EDGE TYPE	PANEL SIZE	PANEL COLOR	GRID SIZE	GRID COLLECTION	NOTE
ACP1	ARMSTRONG	DUNE HRC	BEVELED TEGULAR	24" X 48" X 5/8"	WHITE	9/16"	SUPRAFINE XL HRC	

ACOUSTICAL TILE CEILINGS

TAG	MANUFACTURER	COLLECTION	EDGE TYPE	PANEL SIZE	PANEL COLOR	NOTE
ACT1	CERTAINTEED	ECOPHON FOCUS B	BEVELED	24" X 24" X 3/4"	WHITE	

RESILIENT FLOORING

TAG	MANUFACTURER	TYPE	COLLECTION	STYLE	COLOR NAME	COLOR #	FINISH	SIZE	GUAGE	INSTALL DIRECTION	NOTE
SVT1	METROFLOR	LVT	DEJA NEW	TBD	TBD	TBD	FX3	TBD	2.5MM	TBD	20MIL
SVNL1	SHAW	SHEET VINYL	VITALITY	0873V	TBD	TBD	EXOGUARD	6.58'W ROLL	0.079"	N/A	

RESILIENT BASE & ACCESSORIES

TAG	MANUFACTURER	TYPE	COLOR NAME	COLOR #	HEIGHT	NOTE
RB1	BURKE	BURKEBASE, TYPE TS	TBD	TBD	4"	

TILE CARPETING

TAG	MANUFACTURER	COLLECTION	STYLE	COLOR NAME	COLOR #	SIZE	BACKING	INSTALL DIRECTION
CPT1	TARKETT	N/A	COLORMAP	TBD	TBD	24" X 24"	FLEX-AIRE MODULAR	TBD
CPT2	TARKETT	N/A	ABRASIVE ACTION II	TBD	TBD	24" X 24"	FLEX-AIRE MODULAR	TBD

SOUND-ABSORBING CEILING UNITS

TAG	MANUFACTURER	COLLECTION	EDGE TYPE	SIZE	COLOR	FIRE RATING	ATTACHMENT	NOTE
SACU1	TURF	FREEFORM	N/A	4"D, 2" THICKNESS	TBD	CLASS A	THREADED ROD	

PAINTING

TAG	MANUFACTURER	COLOR NAME	COLOR #	NOTE
PNT1	SHERWIN-WILLIAMS	TBD	TBD	EGGSHELL
PNT2	SHERWIN-WILLIAMS	TBD	TBD	GLOSS
PNT3	SHERWIN-WILLIAMS	TBD	TBD	EGGSHELL
PNT4	SHERWIN-WILLIAMS	TBD	TBD	SEMI-GLOSS

STAINING AND TRANSPARENT FINISHES

TAG	MANUFACTURER	COLOR NAME	COLOR #	NOTE
WSTN	SANSIN	TBD	TBD	

VISUAL DISPLAY WALL PANELS

TAG	MANUFACTURER	COLLECTION / PRODUCT	PATTERN	COLOR	COLOR #	NOTE
TWP1	CHATFIELD CLARKE	VINYL TACKBOARD PANELS / KOROSEAL	TBD	TBD	TBD	

WALL AND DOOR PROTECTION

TAG	MANUFACTURER	COLLECTION	COLOR NAME	COLOR #	FINISH	NOTE
IRWC1	INPRO	ASPEX PRINTED WALL PROTECTION	CUSTOM	CUSTOM	MATTE	FILE TO BE PROVIDED BY ARCHITECT
CG1	INPRO	LOW PROFILE NO TAPE CORNER GUARD	TBD	TBD	TBD	
CG2	INPRO	LOW PROFILE CLEAR POLYCORBONATE CORNER GUARD	N/A	N/A	N/A	

SUBSTRATE ABBREVIATIONS

GYP BD or GB	GYPSUM BOARD
MDF	MEDIUM DENSITY FIBERBOARD
SCON	SEALED CONCRETE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT
JENNIFER PEARSON-MUNRO
C-35691
REN. 05/31/25
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
INTERIOR FINISH SCHEDULE

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

A9.31-2

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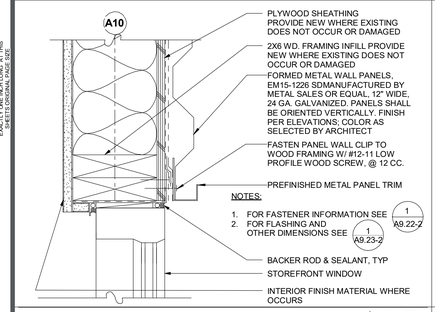
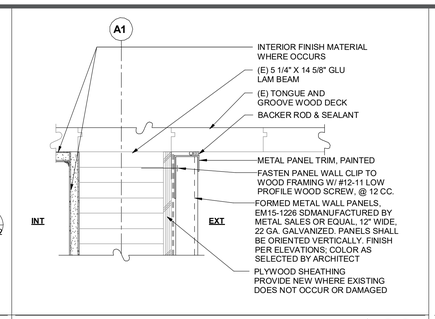
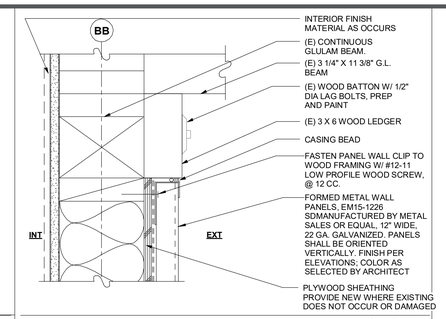


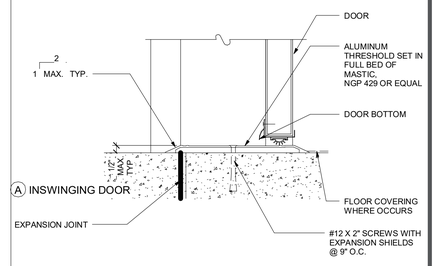
NEW METAL PANEL AT STOREFRONT JAMB 25
3" = 1'-0"

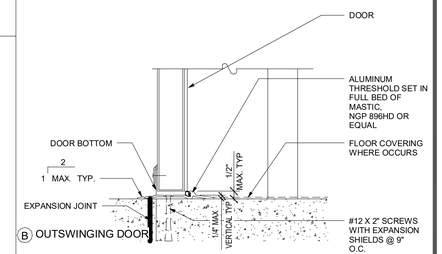


NEW METAL PANEL AT (E) WALL -HEAD 20
3" = 1'-0"

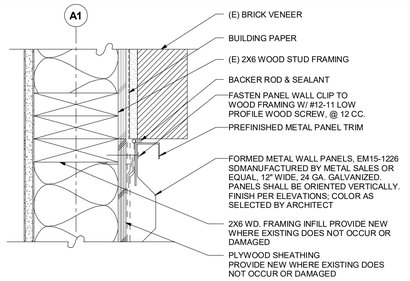


NEW METAL PANEL AT (E) WALL - HEAD 15
3" = 1'-0"

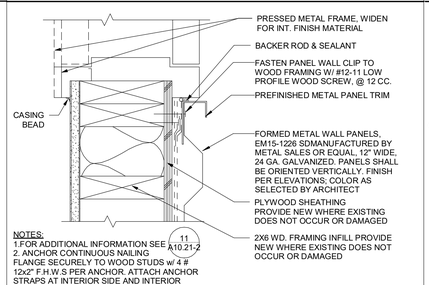




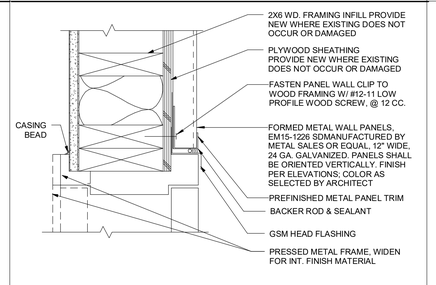
EXTERIOR DOOR THRESHOLD 4
3" = 1'-0"



NEW METAL PANEL AT EXISTING BRICK JAMB 24
3" = 1'-0"

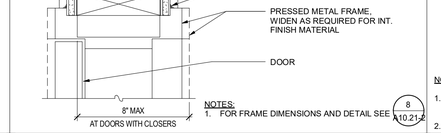


NEW METAL PANEL AT EXTERIOR DOOR JAMB 19
3" = 1'-0"

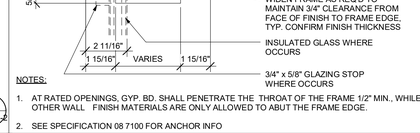


NEW METAL PANEL AT EXTERIOR DOOR HEAD 14
3" = 1'-0"

NEW METAL PANEL @ EXISTING COLUMN AND BRICK TRANSITION 18
3" = 1'-0"



INTERIOR DOOR HEAD/JAMB FRAMING 13
3" = 1'-0"



INTERIOR DOOR HEAD/JAMB 8
3" = 1'-0"

NEW METAL PANEL AT EXISTING WALL -SILL 17
3" = 1'-0"

TYP. EXT. DOOR FRAME - HEAD/JAMB @ EXIST, EXT. WALL 11
3" = 1'-0"

EXTERIOR HM DOOR HEAD AT (E) WOOD BATTON 7
3" = 1'-0"

EXTERIOR HM DOOR JAMB AT (E) BRICK VENEER 6
3" = 1'-0"

INTERIOR WALL TYPE 1
3" = 1'-0"

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT JENNIFER PEARSON WONG C-35591 REN. 05/31/25 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

NOTES

INSULATION NOTES:

1. EXTERIOR WALLS, TYPICAL: PROVIDE THERMAL BLANKET INSULATION VERTICALLY FROM FINISH FLOOR TO BOTTOM OF ROOF DECK OR TOP OF INSULATION AT I NSULATED CEILINGS WHERE OCCURS.
2. VERTICAL TRANSITIONS: PROVIDE THERMAL BLANKET INSULATION AT VERTICAL TRANSITIONS FROM INSULATED CEILINGS TO INSULATED ROOFS.
3. INTERIOR WALLS: PROVIDE SOUND-CONTROL BLANKET INSULATION AT TOILET ROOM WALLS, CONFERENCE ROOM WALLS, TOILET PLUMBING CHASE WALLS (FULL DEPTH OF CAVITY), CLASSROOM WALLS, OFFICES, SOUND ISOLATION WALLS (WHERE SHOWN) AND AS INDICATED. EXTEND VERTICALLY FROM FINISH FLOOR TO ROOF. TERMINATE AT HIGHEST ADJACENT INSULATED CEILING, WHERE OCCURS.
4. WALLS WITH SOUND INSULATION ARE TO COMPLY WITH SOUND ISOLATION NOTES, UNLESS OTHERWISE INDICATED.

SOUND INSULATION NOTES:

1. GYPSUM WALLBOARD IS 5/8" TYPE "X", UNLESS OTHERWISE NOTED
2. PROVIDE 2 CONTINUOUS BEADS OF SEALANT BETWEEN STUD TRACK OR SILL PLATE & FINISH FLOOR
3. WHERE 2 LAYERS OF GYPSUM WALLBOARD OCCURS, STAGGER THE JOINTS; DO NOT TAPE THE INNER LAYER, UNLESS REQUIRED BY FIRE ASSEMBLY.
4. PENETRATIONS THROUGH GYPSUM WALLBOARD ABOVE CEILINGS
   - A. DUCTWORK: PROVIDE 1 INCH GAP ALL AROUND AND FILL WITH SOUND INSULATION
   - B. CONDUIT / PIPING: CAULK ALL AROUND WITH SEALANT
5. ELECTRICAL BOXES FOR LIGHTING, POWER, SIGNAL AND ALARM
   - A. LOCATE EACH BOX IN SEPARATE STUD CAVITY. DO NOT MOUNT BACK-TO-BACK OUTLETS ON THE SAME STUD. AT LOCATIONS WHERE THESE REQUIREMENTS CANNOT BE MET, REVIEW LAYOUT WITH ARCHITECT PRIOR TO INSTALLATION
   - B. WRAP WITH "BOX PADS", SPECIFIED IN DIVISION 26

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
WALL TYPES AND OPENING DETAILS

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

A10.21-2

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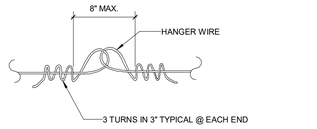
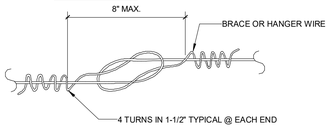


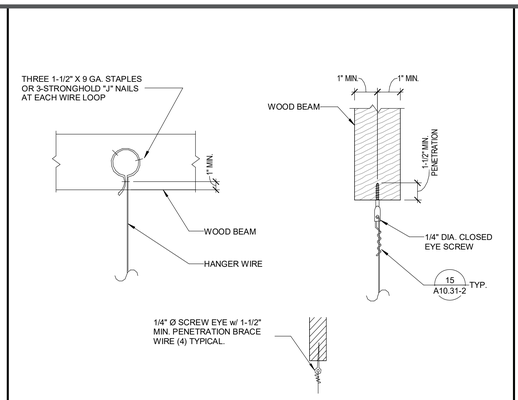
HANGER WIRE ONLY



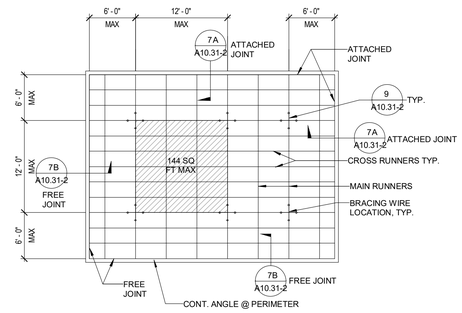
HANGER OR BRACE WIRE

NOTES:
1. WIRE SPLICES ARE SHOWN LOOSELY TIED FOR ILLUSTRATIVE PURPOSES ONLY AND SHALL BE DRAWN TIGHT TO COMPLETE INSTALLATION WHEN CONSTRUCTED.
2. WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION WITHIN THE LOOPS.
3. EACH HANGER AND BRACE WIRE SHALL BE SPLICED NO MORE THAN ONCE ALONG ITS LENGTH.

HANGER / BRACE WIRE SPLICE — 16
3" = 1'-0"

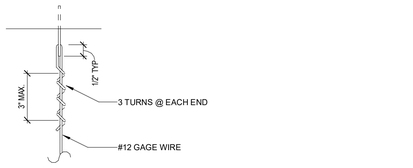


WIRE ATTACHMENTS TO WOOD BEAM — 12
1" = 1'-0"

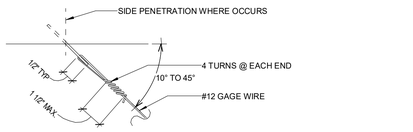


NOTES:
1. BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 144 SQ.FT. MAX. IN ROOMS OVER 144 SQ. FT.
2. PROVIDE EXPANSION JOINT(S) AS REQUIRED SO THAT NO CEILING AREA EXCEEDS 2,500 S.F.

TYPICAL CEILING — 8
1/8" = 1'-0"



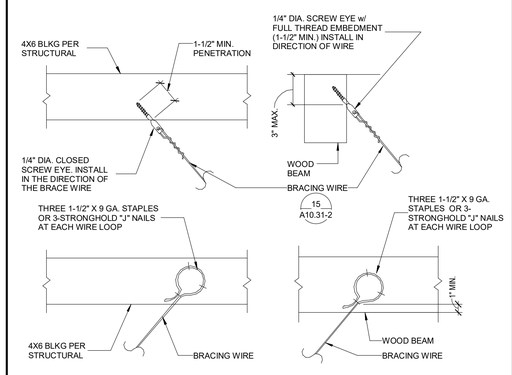
HANGER WIRE



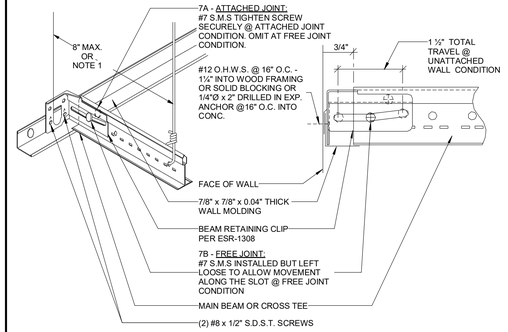
BRACING WIRE

NOTES:
1. FOR HANGER/BRACE WIRE SPLICE, SEE 16 A10.31-2

HANGER / BRACE WIRE — 15
3" = 1'-0"



BRACING WIRE — 11
1 1/2" = 1'-0"



7A - ATTACHED JOINT: #7 S.M.S TIGHTEN SCREW SECURELY @ ATTACHED JOINT CONDITION. OMIT AT FREE JOINT CONDITION.

NOTE:
1. 1/4 LENGTH OF END TEE, WHICHEVER IS LESS
2. GRID MEMBERS SHALL BE ATTACHED TO TWO ADJACENT WALLS, AND UNATTACHED AT OPPOSITE WALLS.

PERIMETER CEILING ATTACHMENT — 7
1 : 1

SUSPENDED LAY-IN PANEL CEILING: 2022 CBC (PER DSA IR 25-2 11/03/23)

1. CEILING SYSTEM GENERAL NOTES
1.01 CEILING SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635 AND SECTION 5.1 OF ASTM E580.

1.02 THE CEILING GRID SYSTEM MUST BE RATED HEAVY DUTY AS DEFINEDBY ASTM C635.

1.03 CEILING SYSTEMS. THE FOLLOWING CEILING SYSTEM(S) IS/ARE PART OF THE SCOPE OF THIS PROJECT:

MANUFACTURER'S NAME: **ARMSTRONG WORLD INDUSTRIES, INC.**
PRODUCT EVALUATION REPORT TYPE AND NUMBER: **ICC ESR 1308**
MANUFACTURER'S MODEL NUMBER -MAIN RUNNER: **PRELUDE XL 7301**
MANUFACTURER'S CATALOG NUMBER -CROSS RUNNER: **PRELUDE XL 7342 & PRELUDE XL7328**

1.04 SEISMIC WALL CLIP:
MANUFACTURER'S MODEL: **WAVE-BERC2 (ICC -ESR-1308)**

1.05 CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES, AIR TERMINALS OR DEVICES.

1.06 FOR ACOUSTICAL TILE PANELS OF ANY MATERIAL OTHER THAN MINERAL OR GLASS FIBER, A ¾"CLEARANCE SHALL BE PROVIDED BETWEEN THE PANEL AND THE WALL ON THE SIDES OFTHE CEILING FREE TO SLIP. CLEARANCE BETWEEN CEILING GRID RUNNERS AND WALLS SHALL COMPLY WITH THE DETAILS ON THESE DRAWINGS REGARDLESS OF CEILING TILE MATERIAL.

2. MATERIALS:
2.01 CEILING WIRE SHALL BE CLASS 1 ZINC COATED (GALVANIZED) CARBON STEEL CONFORMING TO ASTM A641. WIRE SHALL BE #12 GAGE (0.106"DIAMETER) WITH SOFT TEMPER AND MINIMUM TENSILE STRENGTH = 70 KSI.

2.02 GALVANIZED SHEET STEEL(INCLUDING THAT USED FOR METAL STUD COMPRESSION STRUTS) SHALL CONFORM TO ASTM A653, OR OTHER EQUIVALENT SHEET STEEL LISTED IN SECTION A3.1 OF THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, (AISI S100). MATERIAL 43MIL (18GAUGE) THICK AND LIGHTER SHALL HAVE MINIMUM YIELD STRENGTH OF 33KSI. MATERIAL 54MIL (16GAUGE) THICK AND HEAVIER SHALL HAVE A MINIMUM YIELD STRENGTH OF 50KSI.

2.03 ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE MINIMUM YIELD STRENGTH (FY) OF 30 KSI AND MINIMUM ULTIMATE STRENGTH (FU) OF 48 KSI.

3. ATTACHMENT OF HANGER AND BRACING WIRES:
3.01 SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC.

3.02 HANGER AND BRACING WIRES SHALL NOT ATTACH TO OR BEND AROUNDOBSTRUCTIONS INCLUDING BUT NOT LIMITED TO: PIPING, DUCTWORK, CONDUIT AND EQUIPMENT.

3.03 HANGER WIRES THAT ARE MORE THAN ONE (HORIZONTAL) IN SIX (VERTICAL) OUT OF PLUMB SHALL HAVE COUNTER-SLOPING WIRES.

3.04 SLACK SAFETY WIRES SHALL BE CONSIDERED HANGER WIRES FOR INSTALLATION AND TESTING REQUIREMENTS.

3.05 HANGER AND BRACING WIRE ANCHORAGE TO THE STRUCTURE SHALL BEINSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHORAGE ALIGNS CLOSELY WITH THE DIRECTION OF THE WIRE. (E.G. BRACING WIRE CEILING CLIPS MUST BE BENT AS SHOWN IN THE DETAILS AND ROTATED AS REQUIRED TO ALIGN CLOSELY WITH THE DIRECTION OF THE WIRE, SCREW EYES IN WOOD MUST BE INSTALLED SO THEY ALIGN CLOSELY WITH THE DIRECTION OF THE WIRE, ETC.)

4. FASTENERS AND WELDING:
4.01 SHEET METAL SCREWS SHALL COMPLY WITH ASTM C1513, ASME B18.6.3. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.

4.02 EXPANSION ANCHORS SHALL BE: **PER STRUCTURAL**

4.03 POWER-ACTUATED FASTENERS SHALL BE: **PER STRUCTURAL**

4.04 IF NOT OTHERWISE SPECIFIED IN THE EVALUATION REPORT, POWER-ACTUATED FASTENERS INSTALLED IN STEEL SHALL BE INSTALLED SO THE ENTIRE POINTED END OF THE FASTENER IS DRIVEN THROUGH THE STEEL MEMBER.

4.05 POWER-ACTUATED FASTENERS IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES.

4.06 CONCRETE REINFORCEMENT AND PRESTRESSING TENDONS SHALL BE LOCATED BY NON-DESTRUCTIVE MEANS PRIOR TO INSTALLING POST -INSTALLED ANCHORS.

4.07 WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES.

5. TESTING: ALL FIELD TESTING MUST BE PERFORMED IN THE PRESENCE OF THE PROJECT INSPECTOR.
5.01 ALL FIELD TESTING SHALL BE PERFORMED IN THE PRESENCE OF THEPROJECT INSPECTOR.

5.02 POST-INSTALLED ANCHORS IN CONCRETE USED TO SUPPORT HANGER WIRES SHALL BE TESTED AT A FREQUENCY OF 10 PERCENT. POWER ACTUATED FASTENERS IN CONCRETE SHALL BE FIELD TESTED FOR 200 POUNDS IN TENSION. ALL OTHER POST-INSTALLED ANCHORS IN CONCRETE SHALL BE TESTED IN ACCORDANCE WITH CBC SECTION 1910A.5.

5.03 POST-INSTALLED ANCHORS IN CONCRETE USED TO ATTACH BRACING WIRES SHALL BE TESTED AT A FREQUENCY OF 50 PERCENT IN ACCORDANCE WITH CBC SECTION 1910A.5.

6. LIGHT FIXTURES:
6.01 ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE. A MINIMUM OF TWO SCREWS OR APPROVED FASTENERS ARE REQUIRED AT EACH LIGHT FIXTURE, PER ASTM E580, SECTION 5.3.1.

6.02 SURFACE-MOUNTED LIGHT FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO POSITIVE CLAMPING DEVICES. THE CLAMPING DEVICE SHALL COMPLETELY SURROUNDTHE SUPPORTING CEILING RUNNER AND BE MADE OF STEEL WITH A MINIMUM THICKNESS OF #14 GUAGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAGE SLACK SAFETY WIRE SHALL BE CONNECTED FROM EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE EIGHT (8) FEET OR LONGER OR EXCEED 56 LB. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED EIGHT (8) FEET.

6.03 LUMINAIRES WEIGHING LESS THAN OR EQUAL TO 10 POUNDS SUPPORTED DIRECTLY ON THE CEILING RUNNERS SHALL HAVE A MINIMUM OF ONE #12 GAUGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE.

6.04 LUMINAIRES WEIGHING GREATER THAN 10 POUNDS BUT LESS THAN OREQUAL TO 56 POUNDS SUPPORTED DIRECTLY ON THE CEILING RUNNERS SHALL HAVE A MINIMUM OF TWO #12 GAUGE SLACK SAFETY WIRES CONNECTED FROM THE FIXTURE HOUSING AT DIAGONAL CORNERS TO THE STRUCTURE ABOVE. EXCEPTION: ALL LUMINAIRES GREATER THAN TWO BY FOUR FEET WEIGHINGLESS THAN 56POUNDS SHALL HAVE A #12 GAUGE SLACK SAFETY WIRE AT EACH CORNER.

6.05 ALL LUMINAIRES WEIGHING GREATER THAN 56 POUNDS SHALL BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE ABOVE. SEE SUPPORT DETAILS ON THESE DRAWINGS FOR MORE INFORMATION.

7. SERVICES WITHIN THE CEILING:
7.01 ALL FLEXIBLE SPRINKLER HOSE FITTING MOUNTING BRACKETS, CEILING-MOUNTED AIR TERMINALS, OR OTHER SERVICES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS. SCREWS OR OTHER FASTENERS SPECIFIED ON THE DRAWINGS ARE REQUIRED. A MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH COMPONENT.

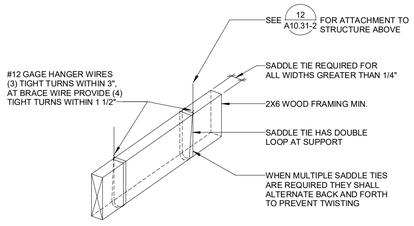
7.02 CEILING-MOUNTED SERVICES WEIGHING LESS THAN OR EQUAL TO 20 POUNDS SHALL HAVE ONE #12 GAUGE SLACK SAFETY WIRE ATTACHED FROM THE TERMINAL OR SERVICE TOTHE STRUCTURE ABOVE.

7.03 CEILING-MOUNTED SERVICES WEIGHING MORE THAN 20 POUNDS BUT LESS THAN OR EQUAL TO 56 POUNDS SHALL HAVE TWO #12 GAUGE SLACK SAFETY WIRES (AT DIAGONAL CORNERS) CONNECTED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.

7.04 CEILING-MOUNTED SERVICES WEIGHING MORE THAN 56 POUNDS SHALLBE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE ABOVE. SEE SUPPORT DETAILS ON THESEDRAWINGS FOR MORE INFORMATION.

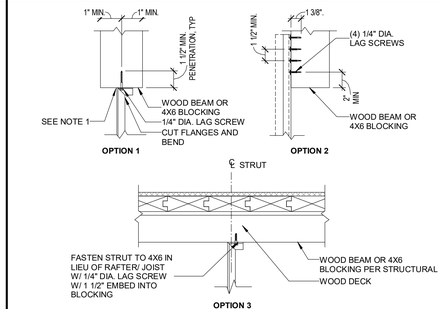
8. OTHER DEVICES WITHIN THE CEILING:
8.01 ALL LIGHT WEIGHT MISCELLANEOUS DEVICES, SUCH AS STROBE LIGHTS,OCCUPANCY SENSORS, SPEAKERS, EXIT SIGNS, ETC., SHALL BE ATTACHED TO THE CEILING GRID. DEVICES WEIGHING MORE THAN 10 POUNDS SHALL HAVE A #12 GAUGE SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE. DEVICESWEIGHING MORE THAN 20 POUNDS SHALL BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE ABOVE.

SUSPENDED LAY-IN PANEL CEILING NOTES — 2
3/4" = 1'-0"



NOTE:
HANGER WIRE CONDITION SHOWN. BRACE WIRE CONDITION SIMILAR

TYPICAL SADDLE TIE DETAIL (WOOD) — 14
1 1/2" = 1'-0"

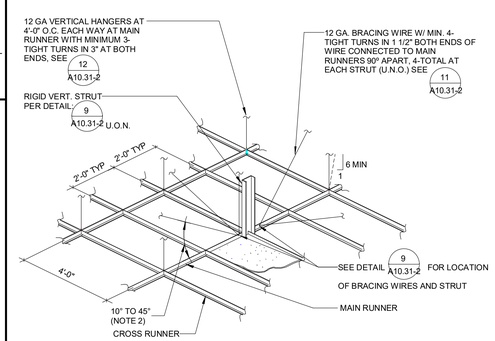


CHANNEL STRUT

NOTES:
1. WEB OF CHANNEL TO BEAR WITHIN WIDTH OF THE WOOD MEMBER.
2. FOR ANGLE ORIENTED IN THE STANDARD POSITION, VERTICAL LEG TO FALL WITHIN THE WIDTH OF THE WOOD MEMBER.

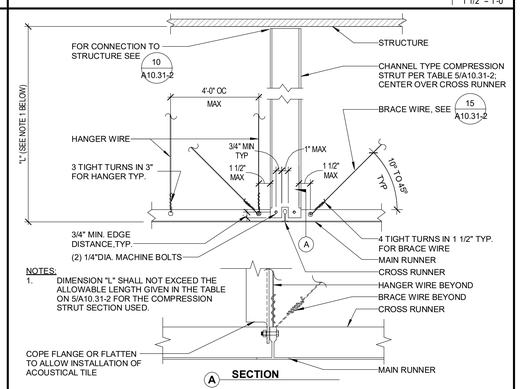
COMPRESSION STRUT — 10
1 1/2" = 1'-0"

CHANNEL COMPRESSION STRUT	MAXIMUM LENGTH
250S125-33	5' - 0"
250S137-33	6' - 10"
362S137-33	8' - 0"
250S137-43	8' - 10"
400S137-43	10' - 10"



NOTES:
1. STRUTS SHALL NOT REPLACE HANGER WIRES.
2. THE MINIMUM ACCEPTABLE ANGLE IS DETERMINED SUCH THAT THE WIRES DO NOT INTERFERE WITH THE RUNNERS, LIGHT FIXTURES, ETC. AND REMAIN STRAIGHT AND UNOBSTRUCTED.
3. 6" CLEARANCE REQUIRED BETWEEN STRUT & ALL UNBRACED DUCTS, PIPE, CONDUIT, ETC...
4. FOR PERIMETER ATTACHMENT DETAIL, SEE 7 A10.31-2

SUSPENDED CEILING GRID — 5
3" = 1'-0"



NOTES:
1. DIMENSION "L" SHALL NOT EXCEED THE ALLOWABLE LENGTH GIVEN IN THE TABLE ON 5/A10.31-2 FOR THE COMPRESSION STRUT SECTION USED.

COMPRESSION STRUT — 9
1 1/2" = 1'-0"

CEILING GRID TYPE 1 - ARMSTRONG SUPRAFINE XL HRC 9/16" (ESR-1308)

1) HD MAIN BEAM: 9/16 INCH x 1-11/16" INCHES x 144 INCHES (PART #7501HRC)
2) CROSS TEE:
   a) 2 FEET TEE: 9/16 INCH x 1-11/16" INCHES x 24 INCHES (PART #7520HRC)
   b) 4 FEET TEE: 9/16 INCH x 1-11/16" INCHES x 48 INCHES (PART #7541HRC)
3) WALL MOLDING: 7/8 INCH x 7/8 INCH x 144 INCHES MOLDING (#7800HRC)
4) MAIN BEAM SPLICE: MANUFACTURER'S STANDARD
5) BEAM END RETAINING CLIP: PART #BERC2
6) GRIP CLIP WALL ATTACHMENT: PART #GCWA
7) SEISMIC JOINT CLIP: PART #SJC

CEILING GRID COMPONENTS — 1
3/4" = 1'-0"

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LODI UNIFIED SCHOOL DISTRICT

HMC Architects
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LICENSED ARCHITECT JENNIFER PEARSON MOORE C-35691 REN. 05/31/25 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
CEILING DETAILS

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

A10.31-2

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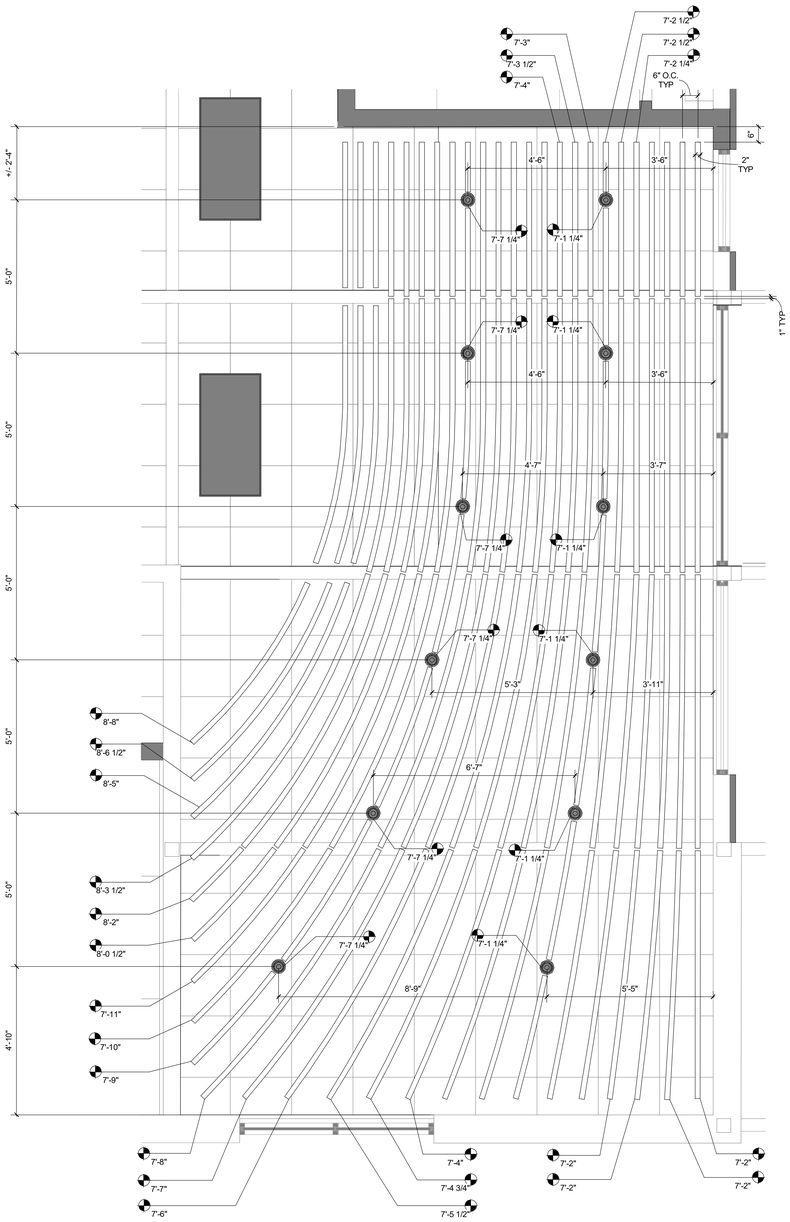
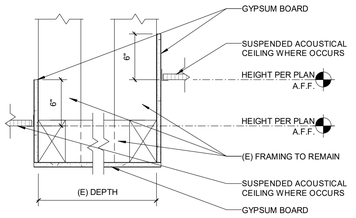
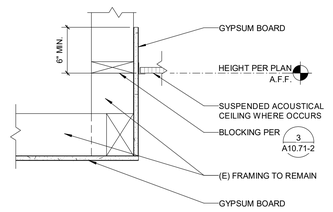


NOTE
1. BAFFLE WEIGHT = 1LB PER LINEAR FOOT. MAXIMUM 114" LENGTH PER BAFFLE. EACH BAFFLE NOT TO EXCEED 20 LBS.

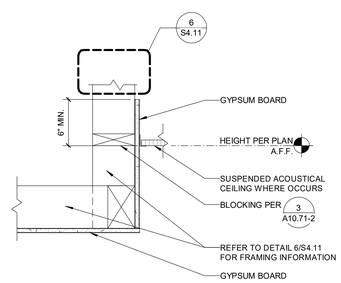
ENLARGED FELT BAFFLE LAYOUT 10
1/2" = 1'-0"



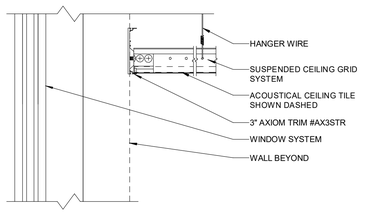
(E) SOFFIT TRANSITION 8
1 1/2" = 1'-0"



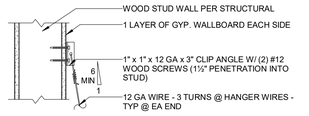
CEILING TRANSITION @ (E) SOFFIT 7
1 1/2" = 1'-0"



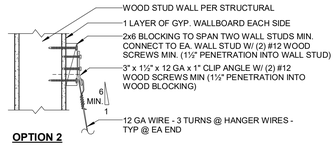
CEILING TRANSITION 6
1 1/2" = 1'-0"



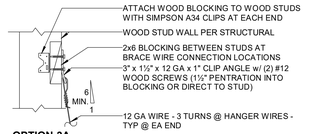
CEILING EDGE TRIM 5
3" = 1'-0"



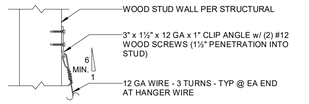
OPTION 1



OPTION 2



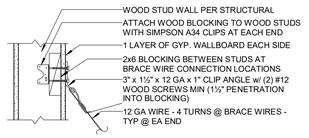
OPTION 3A



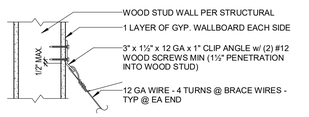
OPTION 3B

NOTE:
1. FOR HANGER WIRE, SEE 15 A10.31-2 SIM.

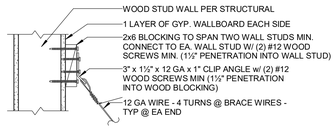
HANGER WIRE CONN. TO WOOD STUD 3
1 1/2" = 1'-0"



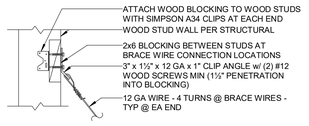
1A ATTACHMENT TO BLOCKING



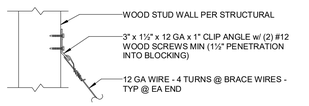
1B ATTACHMENT DIRECTLY TO WALL STUDS



1C ATTACHMENT SURFACE MOUNTED BLOCKING



2A ATTACHMENT TO EXPOSED BLOCKING



2B ATTACHMENT DIRECTLY TO EXPOSED WOOD STUDS

NOTE:
1. FOR HANGER WIRE, SEE 15 A10.31-2

BRACING WIRE CONN. TO WOOD STUD 1
1 1/2" = 1'-0"

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ISSUE

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FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
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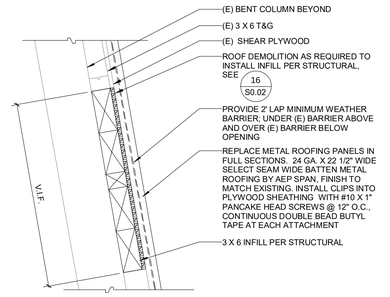
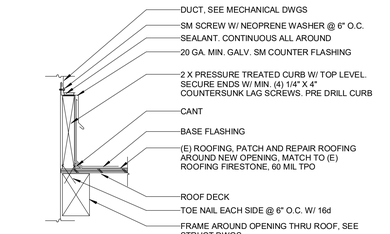
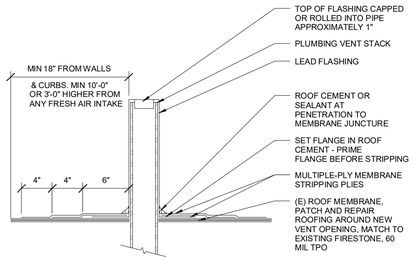


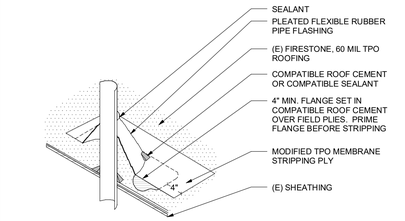
DUCT THROUGH ROOF FLASHING 5
1 1/2" = 1'-0"



DUCT THROUGH ROOF FLASHING 4
1 1/2" = 1'-0"

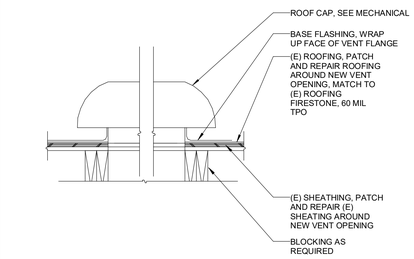


VENT PIPE FLASHING 3
1 1/2" = 1'-0"



NOTES:
FOR CONDENSATE BLOCKING AND ATTACHMENT, SEE MECHANICAL

PENETRATION FLASHING 2
1 1/2" = 1'-0"



FLASHING AT ROOF CAP 1
1 1/2" = 1'-0"

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LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
ROOF DETAILS

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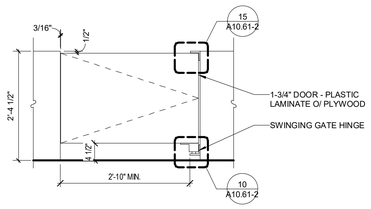
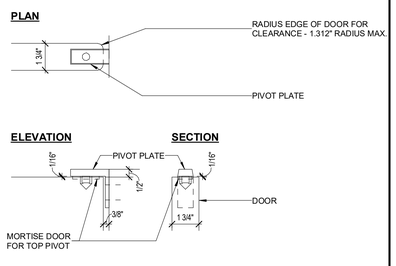


06.41.23.01

SWINGING GATE ELEVATION | 20

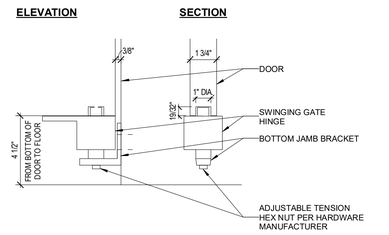
3/4" = 1'-0"



06.41.24.01

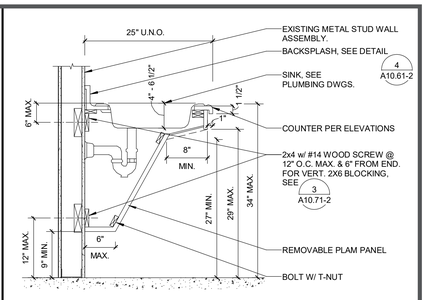
SWINGING GATE - TOP | 15

3" = 1'-0"



SWINGING GATE - BOTTOM | 10

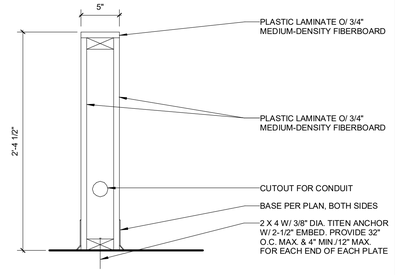
3" = 1'-0"



06.41.09.01

ACCESSIBLE COUNTER LAVATORY | 5

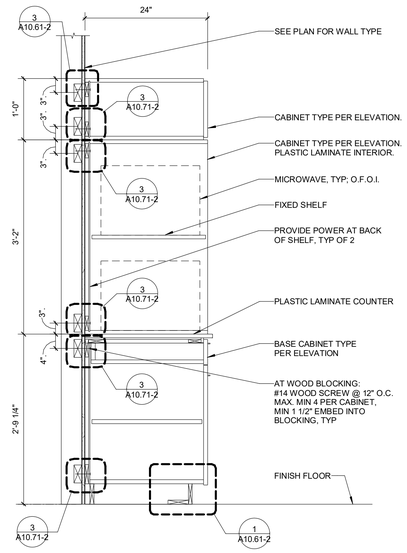
1" = 1'-0"



06.41.26.01

SWINGING GATE LOW WALL | 19

1 1/2" = 1'-0"

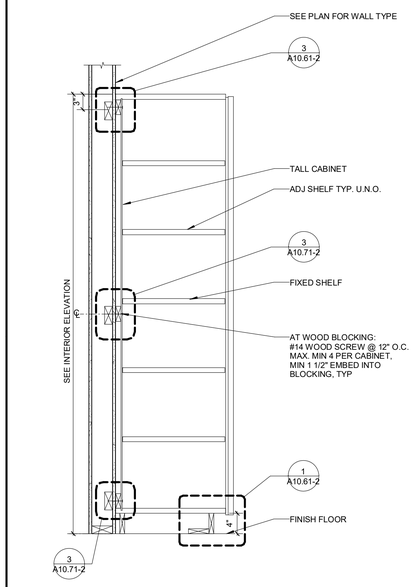


NOTE :
1. CASEWORK CONSTRUCTION PER WI STANDARDS, SEE SPECS.
2. EACH UPPER MODULE SHALL BE ATTACHED TO THE ADJACENT UNIT WITH A MINIMUM OF (3) EACH #10 x 1 1/4" COUNTERSUNK WOOD SCREWS AT TOP, CENTER, AND BOTTOM.

06.41.22.01

MICROWAVE CABINET | 13

1" = 1'-0"

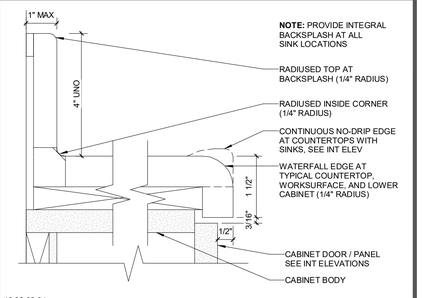


NOTE :
CASEWORK CONSTRUCTION PER WI STANDARDS, SEE SPECS.

06.41.06.01

TALL CABINET MOUNTING | 8

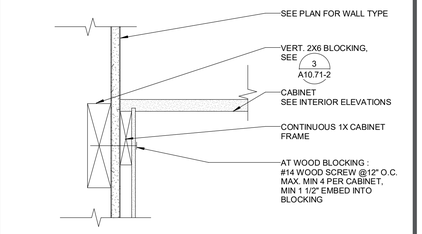
1" = 1'-0"



12.36.02.01

TYPICAL BACKSPLASH AND COUNTERTOP | 4

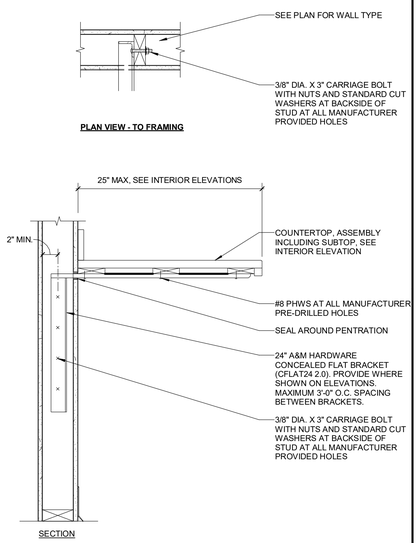
6" = 1'-0"



06.41.15.01

CABINET TOP ANCHORAGE | 3

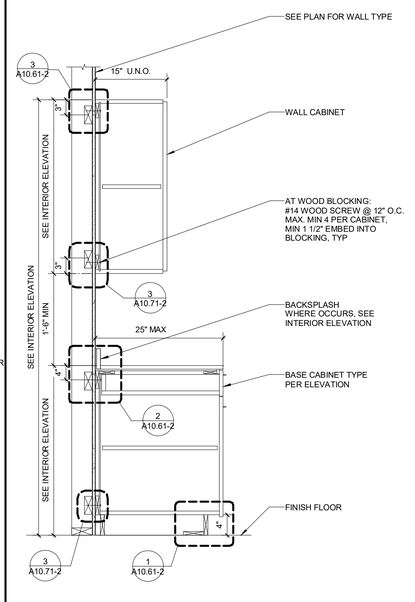
3" = 1'-0"



06.41.17.01

CONCEALED COUNTERTOP SUPPORT | 11

1 1/2" = 1'-0"

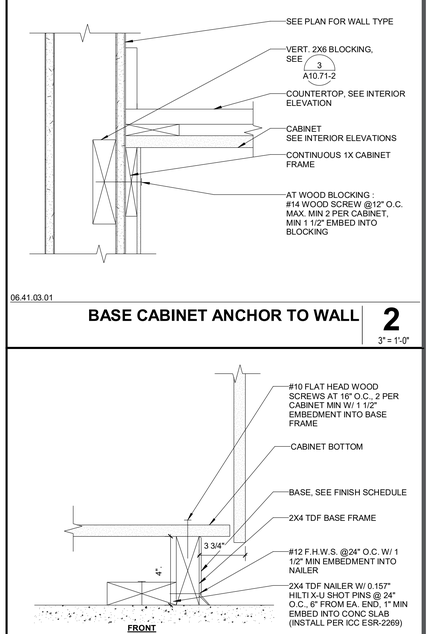


NOTE :
CASEWORK CONSTRUCTION PER WI STANDARDS, SEE SPECS.

06.41.01.01

BASE AND UPPER CABINET MOUNTING | 6

1" = 1'-0"



06.41.03.01

BASE CABINET ANCHOR TO WALL | 2

3" = 1'-0"

06.41.04.01

BASE CABINET ANCHOR TO FLOOR | 1

3" = 1'-0"

PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT JENNIFER PEARSON HWANG C-35591 REN. 05/31/25 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
CASEWORK DETAILS

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

A10.61-2

Autodesk Docs://3431007000 Lodi MS Additions/3431007000-LODI-MS-ADDITIONS.rvt
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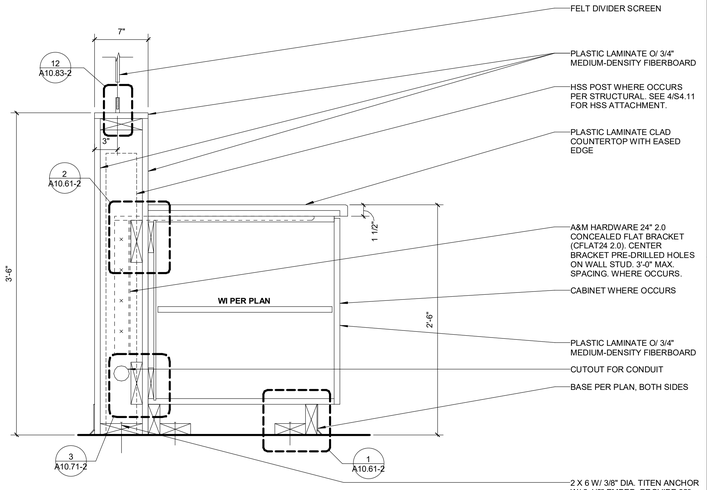
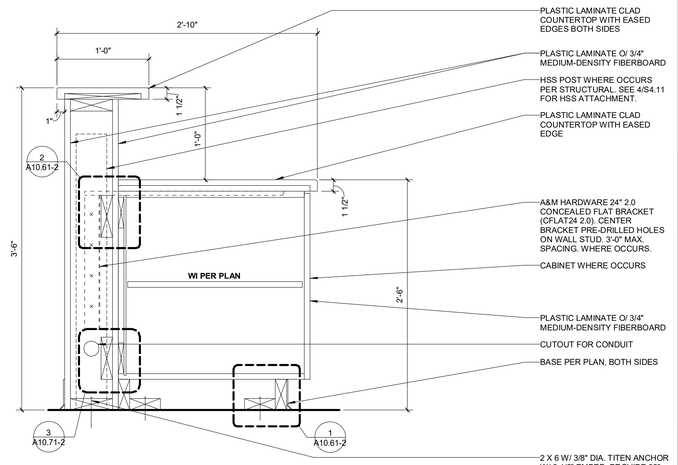


06.41.20.01

RECEPTION DESK @ LOW WALL 14

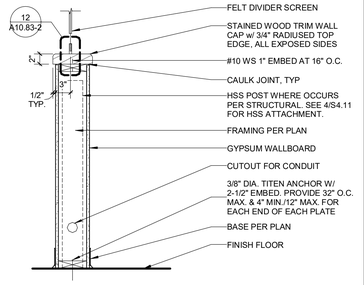
1 1/2" = 1'-0"



06.41.19.01

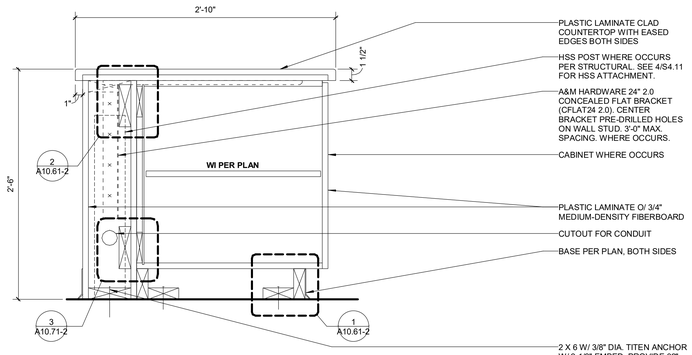
RECEPTION DESK @ TRANSACTION 4

1 1/2" = 1'-0"



OPEN OFFICE LOW WALL 13

1" = 1'-0"



06.41.18.01

RECEPTION DESK @ ADA TRANSACTION 2

1 1/2" = 1'-0"

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LICENSED ARCHITECT JENNIFER PEARSON-HUANG C-35691 REN. 05/31/25 STATE OF CALIFORNIA

ISSUE

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FACILITY:
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945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
CASEWORK DETAILS

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

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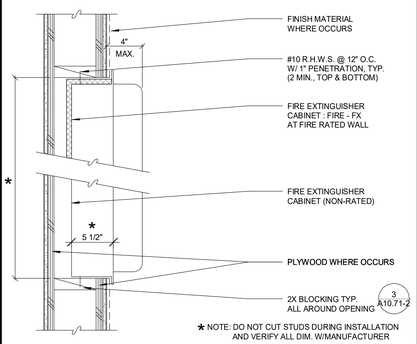
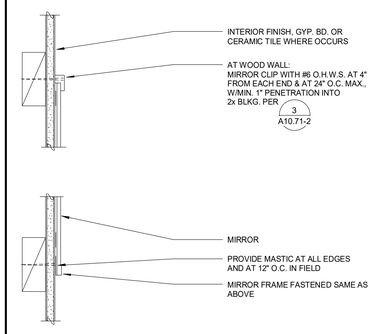
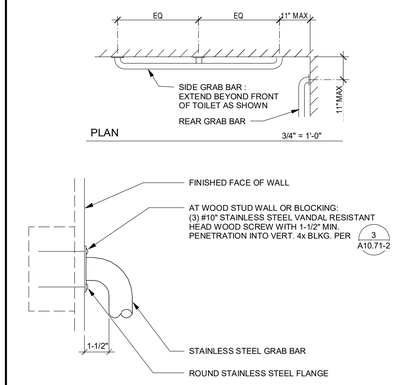


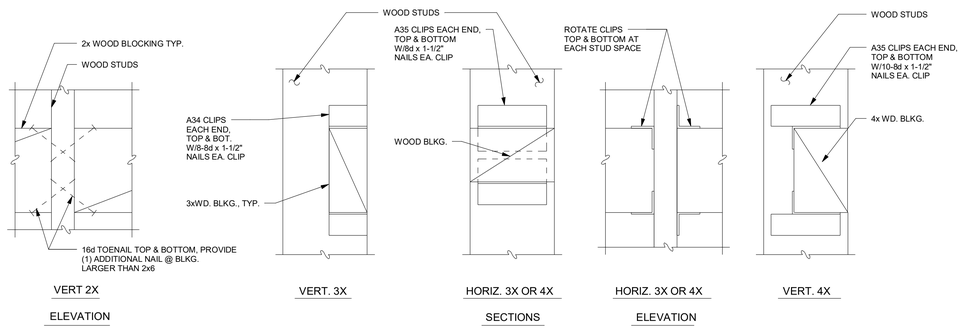
SEMI-RECESSED FIRE EXTINGUISHER CABINET 14 — 1 1/2" = 1'-0"



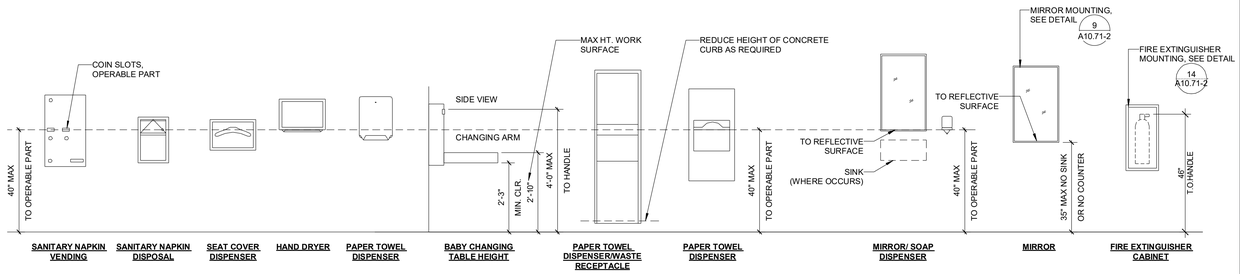
MIRROR ATTACHMENT 9 — 3" = 1'-0"

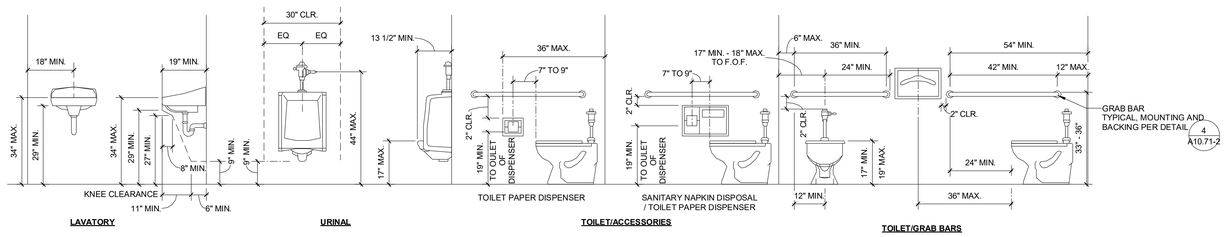


TYPICAL GRAB BAR AT WALL 4 — 3" = 1'-0"



TYPICAL WOOD BLOCKING 3 — 3" = 1'-0"





NOTE:
1. PROVIDE BLOCKOUT FOR WALL MOUNTED FIXTURES WHERE CONCRETE CURB OCCURS.
2. WATER SUPPLY AND DRAIN PIPES SHALL BE INSULATED AND THERE SHALL BE NO SHARP OR ABRASIVE ELEMENTS UNDER LAVATORY.
3. HAND OPERATED FLUSH ACTUATOR ON OPEN SIDE OF WATER CLOSET.

10.28.01.01

TYPICAL ACCESSIBLE TOILET FIXTURES AND ACCESSORY MOUNTING 1 — 1/2" = 1'-0"

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LICENSED ARCHITECT JENNIFER PEARSON HSIUNG C-35691 REN. 05/31/25 STATE OF CALIFORNIA

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KEYNOTES

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SHEET NAME:
ACCESSIBILITY DETAILS

CONSTRUCTION DOCUMENTS

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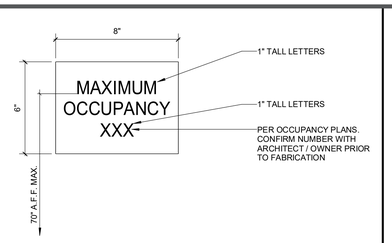
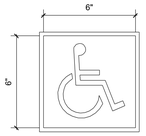


NOTE:
1. SEE 2 / A10.81-2 FOR ADDITIONAL INFORMATION.
2. ALL GRAPHICS TO BE VINYL APPLIED SUBSURFACE; SURFACE APPLIED GRAPHICS WILL NOT BE ACCEPTED. FACE OF SIGN TO BE FLUSH.

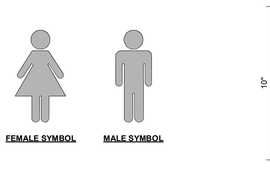
OCCUPANT LOAD SIGN — 20
3" = 1'-0"



NOTES :
1. WHERE SIGNAGE IS INSTALLED ON GLASS, PROVIDE BLANK SIGNAGE ON OPPOSITE SIDE BEING EQUAL SIZE AND COLOR TO MASK ADHESIVE.
2. ALL BUILDINGS ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS SHALL BE IDENTIFIED WITH AT LEAST ONE STANDARD SIGN AND ADDITIONAL DIRECTIONAL SIGNS AS REQUIRED TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS.

10.14.07.01

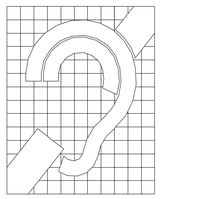
BUILDING ENTRY ISA SYMBOL — 15
3" = 1'-0"



NOTES :
1. SIGN MATERIAL SHALL BE 1/4" THICK ACRYLIC PLASTIC WITH 1/16" THICK GRAPHICS AND LETTERS THAT ARE INLAID INTO THE SIGN FACE 1/32" AND RAISED 1/32" FROM THE SIGN FACE. SURFACE APPLIED GRAPHICS AND LETTERS WILL NOT BE ACCEPTED. COMPLY WITH ARTICLE 703 OF ADA STANDARD AND CBC SECTION 11B-703 FOR ACCESSIBILITY DESIGN.
2. ALL DOORS TO RECEIVE BRAILE ROOM IDENTIFICATION SEE DETAIL 3 / A10.81-2 FOR BRAILLE REQUIREMENTS.
3. FOR DOOR SIGNAGE MOUNTING HEIGHT, SEE 2 / A10.81-2

10.14.04.01

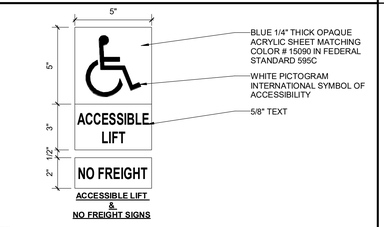
RESTROOM IDENTIFICATION SIGN AT WALL — 5
NTS



(A) SYMBOL PROPORTIONS
1:1

INTERNATIONAL SYMBOL OF ACCESS FOR HEARING IMPAIRED

ASSISTIVE LISTENING SYSTEM PROPORTIONS — 24
12" = 1'-0"

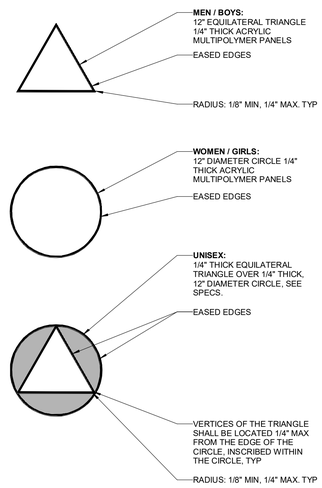


ACCESSIBLE LIFT
&
NO FREIGHT SIGNS

NOTE:
1. REFER TO SPEC. SECTION 101454 FOR ADDITIONAL INFORMATION PROVIDE SIGN AT ALL ACCESSIBLE ENTRANCE DOORS U.N.O FOR PICTOGRAM STANDARDS SEE DETAIL.
2. LINE SPACING BTWN. THE BASELINES OF SEPARATE LINES OF CHARACTERS WITHIN A MESSAGE SHALL BE 135% MIN. & 170 % MAX. OF THE CHARACTER HT.
3. POST SIGNS AT A CONSPICUOUS LOCATION AT EACH LANDING AND PLATFORM ENCLOSURE.

10.14.27.01

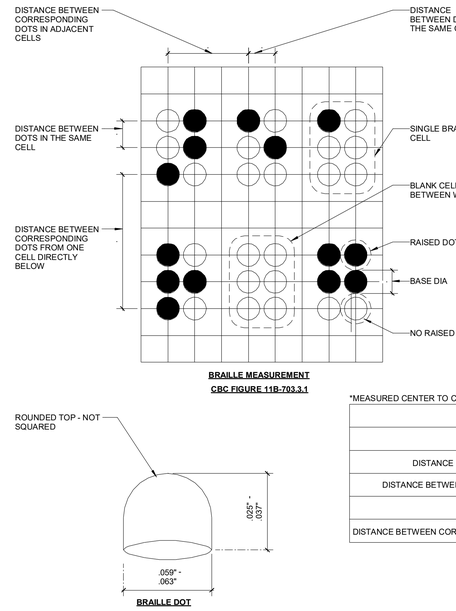
ACCESSIBLE LIFT & NO FREIGHT SIGNS — 19
3" = 1'-0"



NOTES :
1. CIRCLE AND TRIANGLE SHALL BE DISTINCTLY CONTRASTING TO EACH OTHER AND DOOR IN COLOR.
2. EDGES SHALL BE EASED OR ROUNDED AT 1/16 INCH MIN VERTICES SHALL BE RADIUSED BETWEEN 1/8 INCH MINIMUM AND 1/4 INCH MAX.
3. SIGN EDGES SHALL BE EASED OR ROUNDED 1/16" MIN OR 1/8" CHAMFERED MAX.
4. VERTICES SHALL BE RADIUSED BETWEEN 1/8" MIN AND 1/4" MAX.
5. SIGNS SHALL BE MOUNTED WITH SILICONE AND TAMPERPROOF SCREWS.
6. ALL GRAPHICS TO BE VINYL APPLIED SUBSURFACE; SURFACE APPLIED GRAPHICS WILL NOT BE ACCEPTED. FACE OF SIGN TO BE FLUSH.

10.14.05.01

RESTROOM - GEOMETRIC DOOR SIGN — 13
NTS



BRAILLE MEASUREMENT
CBC FIGURE 11B-703.3.1

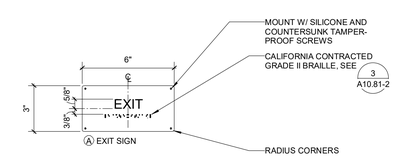
NOTES:
1. CHARACTER TYPE: CHARACTERS ON SIGN SHALL BE 1/16" THICK, INLAID INTO THE SIGN FACE 1/32" AND RAISED 1/32" FROM THE SIGN FACE, AND SHALL BE "FUTURA MEDIUM" UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE. SURFACE APPLIED CHARACTERS WILL NOT BE ACCEPTED.
2. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" AND A MAXIMUM OF 2" HIGH.
3. FINISH AND CONTRAST: CHARACTERS, SYMBOLS, AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH AND CONTRAST 70% MINIMUM WITH THEIR BACKGROUNDS.
   CHARACTER & SYMBOLS - COLOR TO BE SELECTED BY ARCHITECT
   BACKGROUND - COLOR TO BE SELECTED BY ARCHITECT
   INTEGRAL COLOR FRAME: COLOR TO BE SELECTED BY ARCHITECT
   PANEL: 1/4" THICK ACRYLIC PANEL WITH PHOTO POLYMER RAISED TACTILE COPY SUB-SURFACE SYMBOL, UNO
4. BRAILLE: CONTRACTED CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHERE BRAILLE IS REQUIRED. DOTS SHALL BE 1/10 INCH ON CENTER IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS AND HAVE DOMED OR ROUNDED TOPS. CBC TABLE 11B-703.3.1.
5. EXTERIOR SIGNS SHALL BE METAL COMPONENTS SUITABLE TO EXTERIOR USE AND SIMILAR TO INTERIOR SIGNS FOR SHAPE AND FORM.

*MEASURED CENTER TO CENTER — **CBC TABLE 11B-703.3.1**

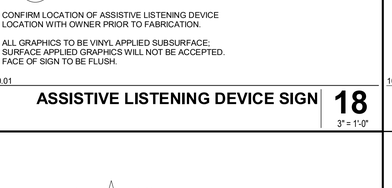
MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 IN TO 0.063 IN
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL*	0.100 IN
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS*	0.300 IN
DOT HEIGHT	0.025 IN TO 0.037 IN
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW*	0.395 TO 0.400 IN

10.14.03.01

BRAILLE REQUIREMENTS — 3
NTS



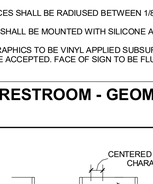
SYMBOL OF ACCESSIBILITY — 23
1 : 1



NOTE:
1. SEE 2 / A10.81-2 FOR ADDITIONAL INFORMATION.
2. CONFIRM LOCATION OF ASSISTIVE LISTENING DEVICE LOCATION WITH OWNER PRIOR TO FABRICATION.
3. ALL GRAPHICS TO BE VINYL APPLIED SUBSURFACE; SURFACE APPLIED GRAPHICS WILL NOT BE ACCEPTED. FACE OF SIGN TO BE FLUSH.

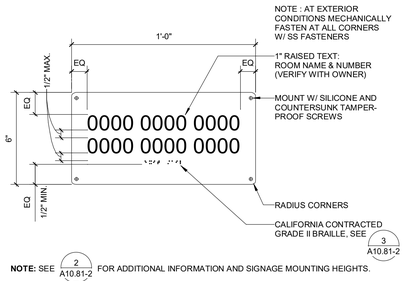
10.14.10.01

ASSISTIVE LISTENING DEVICE SIGN — 18
3" = 1'-0"



10.14.08.01

DIMENSIONAL LETTERS — 17
NTS



NOTE: SEE 2 / A10.81-2 FOR ADDITIONAL INFORMATION AND SIGNAGE MOUNTING HEIGHTS.

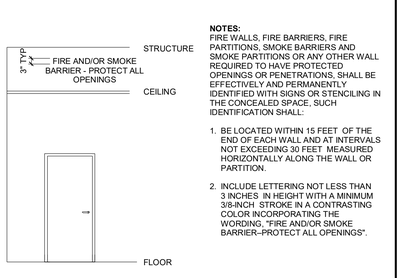
10.14.25.01

ROOM IDENTIFICATION SIGN — 21
3" = 1'-0"

NOTE: SEE 2 / A10.81-2 FOR ADDITIONAL INFORMATION AND SIGNAGE MOUNTING HEIGHTS.

10.14.28.01

TACTILE EXIT SIGNAGE — 22
3" = 1'-0"

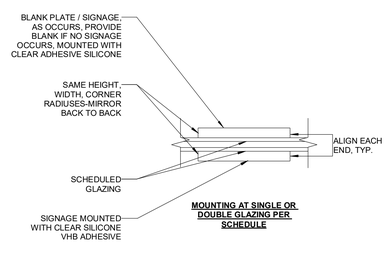


NOTES:
FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS, SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN THE CONCEALED SPACE, SUCH IDENTIFICATION SHALL:

1. BE LOCATED WITHIN 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION.
2. INCLUDE LETTERING NOT LESS THAN 3 INCHES IN HEIGHT WITH A MINIMUM 3/8-INCH STROKE IN A CONTRASTING COLOR INCORPORATING THE WORDING, "FIRE AND/OR SMOKE BARRIER--PROTECT ALL OPENINGS".

10.14.06.01

FIRE RATED WALL IDENTIFICATION IN CONCEALED SPACES — 16
NTS



10.14.09.01

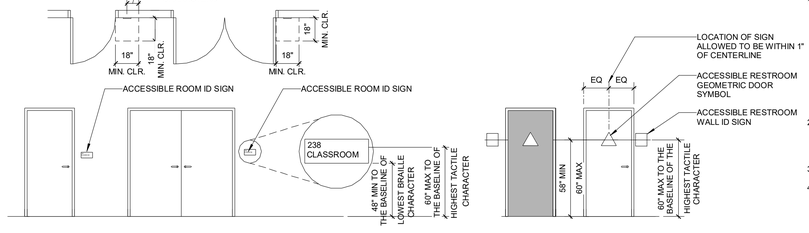
SIGN MOUNTING — 6
3" = 1'-0"

MATERIALS KEYNOTES :

1. SIGN MOUNTING METHOD : SEE DTL. 2/A10.81 FOR SIGN MOUNTING, U.N.O.
2. SIGN MOUNTING HEIGHT: SEE DTL. 2/A10.81 FOR MOUNTING HEIGHT, U.N.O.
3. TEXT SIZE: 5/8" U.N.O.
4. COLOR : ARCHITECT / PROJECT TEAM TO DETERMINE.
5. SIGNAGE (BACKGROUND COLOR) : ARCHITECT / PROJECT TEAM TO DETERMINE.
6. BRAILLE: WHERE BRAILLE IS INDICATED REFER TO DTL. 3 / A10.81-2 FOR REQUIREMENTS.
7. SIGN THICKNESS PER SPECIFICATIONS: 1/4" ROUNDED EDGES: 1/4" RADIUS.
8. ISA SYMBOLS SHALL BE 4" x 4" UNO .

10.14.01.01

SIGNAGE MATERIALS AND COLOR KEYNOTES — 1
NTS



NOTES:
1. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAVES, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. FOR PAIRS OF DOORS WHERE DOOR SWING IS LIMITED TO 90 DEGREE, MOUNT SIGN 9" FROM EDGE OF DOOR. FOR PAIRS OF DOORS WHERE DOOR SWING EXCEEDS 90 DEGREES, MOUNT SIGN AT DOOR WIDTH PLUS 9" FROM EDGE OF DOOR. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18" MIN BY 18" MIN, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND THE 45 DEGREE OPEN POSITION.
2. RESTROOM GEOMETRIC SYMBOLS SHALL BE INSTALLED CENTERED ON THE DOOR. MOUNTING HEIGHT SHALL BE 60" MAX (58" MIN - 60" MAX) ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN. THE COLOR AND CONTRAST OF THE SYMBOL SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR.
3. AT RESTROOM SIGNAGE, CONTRAST DOOR TO GEOMETRIC SYMBOL 70% LIGHT/DARK.
4. SEE 6 / A10.81-2 FOR SIGNAGE ON GLAZING.

10.14.02.01

DOOR SIGNAGE LOCATIONS — 2
NTS

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LICENSED ARCHITECT
JENNIFER PEARSON-HAND
C-35691
REN. 05/31/25
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

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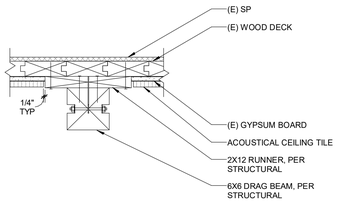
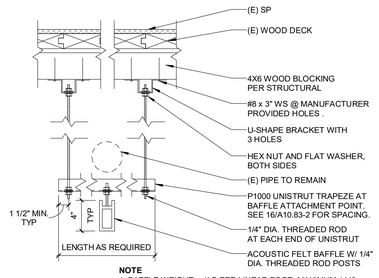
PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY 1" LONG ON ORIGINAL SHEET. IF NOT, ADJUST SCALE ACCORDINGLY



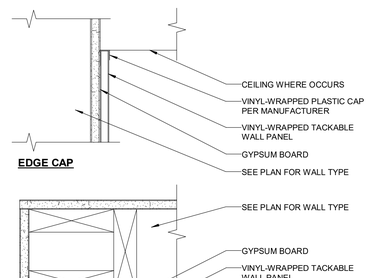
CEILING FINISH @ WOOD DRAG BEAM — 20
1 1/2" = 1'-0"



09.84.04.01

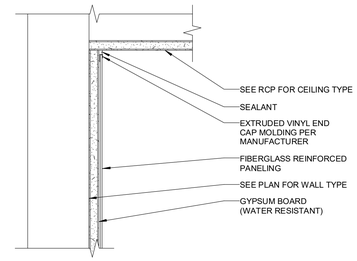
NOTE
1. BAFFLE WEIGHT = 1LB PER LINEAR FOOT. MAXIMUM 114" LENGTH PER BAFFLE. EACH BAFFLE NOT TO EXCEED 20 LBS.

FELT BAFFLE TRAPEZE CONNECTION — 15
1 1/2" = 1'-0"



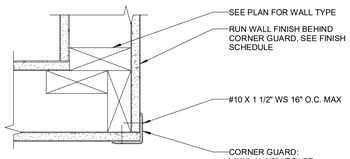
10.11.05.01

TACKABLE WALL PANELING TRIM — 9
3" = 1'-0"



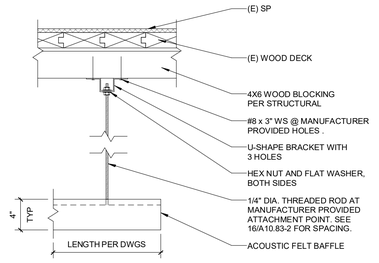
06.64.01.03

FRP @ CEILING — 5
3" = 1'-0"



10.26.01.01

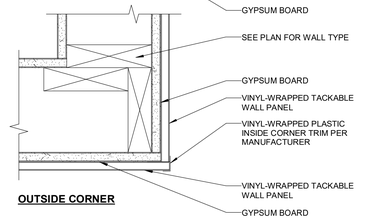
CORNER GUARD — 19
3" = 1'-0"



NOTE
1. BAFFLE WEIGHT = 1LB PER LINEAR FOOT. MAXIMUM 114" LENGTH PER BAFFLE. EACH BAFFLE NOT TO EXCEED 20 LBS.

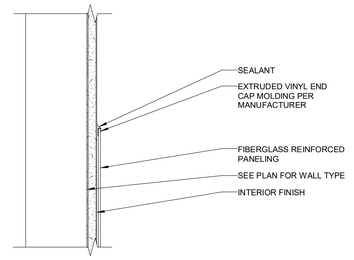
09.84.03.01

FELT BAFFLE CONNECTION — 14
1 1/2" = 1'-0"



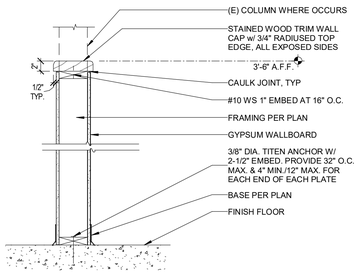
10.11.05.01

TACKABLE WALL PANELING TRIM — 9
3" = 1'-0"

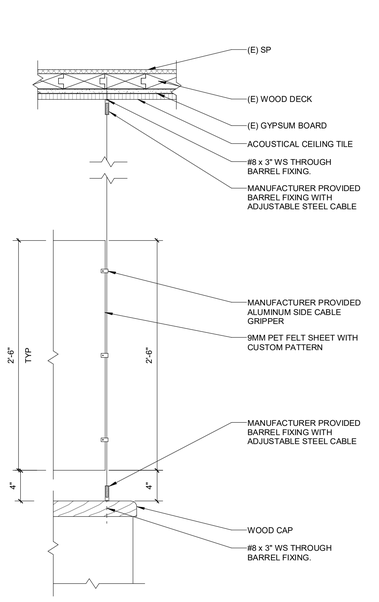


06.64.01.02

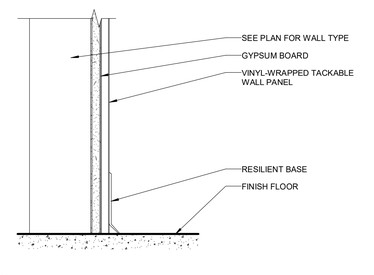
FRP @ HEAD — 4
3" = 1'-0"



WOOD CAP — 18
1" = 1'-0"



FELT DIVIDER SCREEN — 12
1 1/2" = 1'-0"



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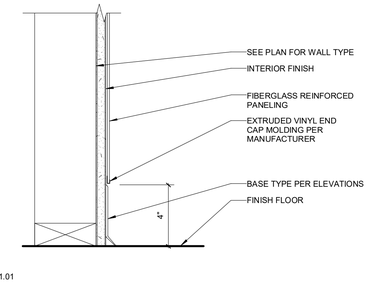
TACKABLE WALL PANEL BASE — 8
3" = 1'-0"



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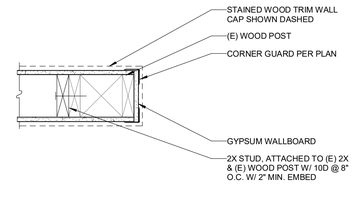
FRP @ BASE — 3
3" = 1'-0"

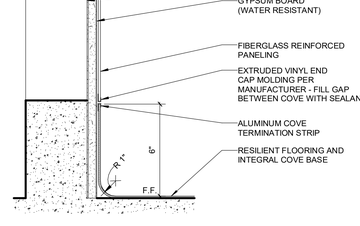


(E) FREE STANDING COLUMN - SECTION — 22
1" = 1'-0"

WOOD CAP — 17
1 1/2" = 1'-0"

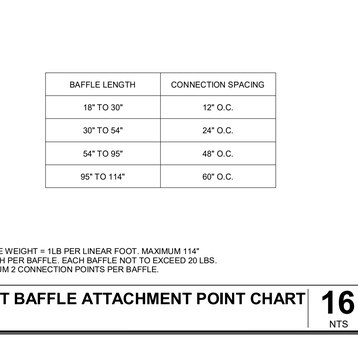
10.11.05.02

TACKABLE WALL PANEL @ COVE BASE — 7
3" = 1'-0"



09.30.03.01

FRP @ COVE BASE — 2
3" = 1'-0"

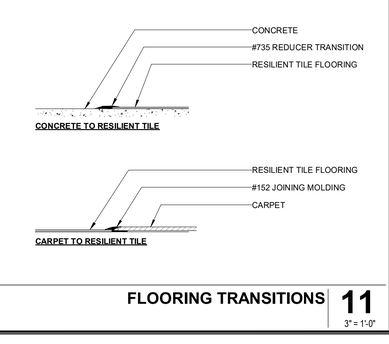


(E) FREE STANDING COLUMN — 21
3" = 1'-0"

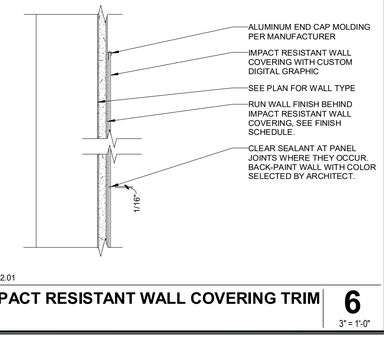
BAFFLE LENGTH	CONNECTION SPACING
18" TO 30"	12" O.C.
30" TO 54"	24" O.C.
54" TO 95"	48" O.C.
95" TO 114"	60" O.C.

NOTE
1. BAFFLE WEIGHT = 1LB PER LINEAR FOOT. MAXIMUM 114" LENGTH PER BAFFLE. EACH BAFFLE NOT TO EXCEED 20 LBS.
2. MINIMUM 2 CONNECTION POINTS PER BAFFLE.

FELT BAFFLE ATTACHMENT POINT CHART — 16
NTS

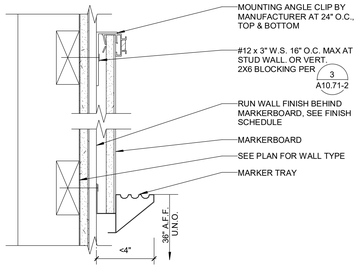


FLOORING TRANSITIONS — 11
3" = 1'-0"



10.26.02.01

IMPACT RESISTANT WALL COVERING TRIM — 6
3" = 1'-0"



10.11.01.01

MARKERBOARD — 1
3" = 1'-0"

PLEASE RECYCLE

Autodesk Docs://3431007000 Lodi MS Additions/3431007000-LOD-MS-ADDITIONS.rvt
4/7/2025 11:12:26 AM

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT JENNIFER PEARSON HSIANG C-35691 REN. 05/31/25 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
INCREMENT 2
SHEET NAME:
INTERIOR DETAILS

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

A10.83-2

THE LINE SHOWN ABOVE IS EXACTLY 1" LONG ON ORIGINAL PLOTS SHEETS (ORIGINAL SHEET SIZE 30"X42")

STRUCTURAL STEEL NOTES:

1. THE FABRICATION AND ERECTION OF ALL STEEL CONSTRUCTION SHALL CONFORM TO THE 2022 CBC AND THE AISC STEEL CONSTRUCTION MANUAL 16th EDITION.
2. STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING
   - 2.1 CHANNELS — ASTM A36, Fy = 36 KSI
   - 2.2 ANGLES — ASTM A36, Fy = 36 KSI
   - 2.3 BARS AND PLATES — ASTM A36, Fy = 36 KSI
   - 2.4 RECTANGULAR HSS — ASTM A500, GRADE B, Fy = 46 KSI
3. WELDING SHALL BE BY THE ELECTRIC ARC PROCESS (SHIELDED METAL ARC WELDING, FLUX CORE ARC WELDING, GAS METAL ARC WELDING) PER AWS STANDARDS AND BY CERTIFIED WELDERS. REFER TO "QUALIFICATION PROCEDURE" AWS D1.1.
4. ALL WELDED JOINTS AND ELECTRODES ARE TO BE "PREQUALIFIED." ALL WELDING ELECTRODES ARE TO BE E70XX UNO. FCAW FILLER METAL WIRE SHALL BE $\frac{5}{16}$" MAX DIAMETER AND SMAW FILLER METAL WIRE SHALL BE $\frac{1}{4}$" MAX DIAMETER.
5. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUM AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AS REQUIRED TO MAINTAIN STABILITY OF THE STRUCTURE UNTIL THE STRUCTURAL SYSTEM IS SUBSTANTIALLY COMPLETE.
6. ALL STRUCTURAL STEEL ITEMS EMBEDDED IN CONCRETE AND LOCATED BELOW GRADE SHALL HAVE 3" MINIMUM COVER. ALL STRUCTURAL STEEL ITEMS EMBEDDED IN CONCRETE AND LOCATED ABOVE GRADE AT CONCRETE EXPOSED TO WEATHER SHALL HAVE $1\frac{1}{2}$" MINIMUM COVER.
7. ALL STEEL BOLTS ARE TO HAVE STANDARD GAGE AND PITCH PER AISC. ALL EMBEDDED ANCHOR BOLTS SHALL BE F1554 GRADE 36 UNO. HOLES AT STEEL-TO-STEEL CONNECTIONS ARE TO BE $\frac{1}{8}$" OVERSIZE AND HOLES AT STEEL COLUMN BASE PLATES ARE TO BE $\frac{1}{4}$" OVERSIZE, UNO.
8. STRUCTURAL STEEL IS TO BE SHOP PRIMED WITH ONE COAT, EXCEPT THE BELOW NOTED LOCATIONS, WHERE PRIMER SHALL BE HELD 2" CLEAR:
   - 8.1 STEEL SURFACES EMBEDDED IN CONCRETE
   - 8.2 SURFACES TO BE FIELD WELDED

ROUGH CARPENTRY-WOOD SCREWS:

1. ALL SPECIFIED WOOD SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.6.1. ALTERNATE WOOD SCREWS MUST HAVE AN ICC EVALUATION REPORT AND MAY NOT BE USED UNLESS APPROVED IN WRITING BY RW CONSULTING ENGINEERS. END DISTANCE, EDGE DISTANCE, & SPCG OF ALTERNATE WOOD SCREWS MUST CONFORM TO THE MFR ICC EVALUATION REPORT.
2. WOOD SCREWS SHALL BE LOCATED AND SPACED TO PREVENT SPLITTING OF WOOD, PRE-DRILL LEAD HOLES AS REQ'D. LEAD HOLES SHALL NOT EXCEED THE SMALLEST OF $\frac{7}{8}$ OF THE SHANK DIAMETER AND $\frac{1}{2}$ OF THE ROOT DIAMETER AT THREADED PORTIONS.
3. WOOD SCREWS USED IN HARDWARE SHALL BE AS SPECIFIED BY HARDWARE MFR.
4. WOOD SCREWS SHALL BE INSTALLED BY TURNING OF THE SCREW & NOT BY DRIVING OF A HAMMER.
5. SOAP OR OTHER LUBRICANT MAY BE USED ON THE WOOD SCREW OR IN THE LEAD HOLE AS REQ'D TO PREVENT DAMAGE TO THE WOOD SCREW.
6. WOOD SCREWS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, WOOD SCREWS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS D OR TYPE 316 STAINLESS STEEL.

ROUGH CARPENTRY-LAG SCREWS:

1. ALL SPECIFIED LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1.
2. LEAD HOLES FOR LAG SCREWS SHALL BE BORED TO AVOID SPLITTING OF WOOD MEMBERS. THE LEAD HOLE FOR THE SHANK SHALL HAVE THE SAME DIAMETER AND LENGTH AS THE UNTHREADED SHANK. THE LEAD HOLE FOR THE THREADED PORTION SHALL SHALL NOT EXCEED 70% OF THE SHANK DIAMETER AND HAVE MIN LENGTH EQUAL TO THREADED PORTION.
3. LAG SCREWS SHALL BE INSTALLED BY TURNING OF THE LAG SCREW & NOT BY DRIVING OF A HAMMER.
4. SOAP OR OTHER LUBRICANT MAY BE USED ON THE LAG SCREW OR IN THE LEAD HOLE AS REQ'D TO PREVENT DAMAGE TO THE LAG SCREW.
5. LAG SCREWS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, LAG SCREWS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS C OR TYPE 316 STAINLESS STEEL.
6. LAG SCREWS SHALL BE INSTALLED WITH A STANDARD CUT WASHER OR PLATE WASHER W/CORROSION PROTECTION TO MATCH THE LAG SCREW.
7. ALL LAG SCREWS TO BE TIGHTENED DURING INSTALLATION & RE-TIGHTENED JUST PRIOR TO CLOSING IN.

WOOD FASTENERS-BOLTS:

1. ALL SPECIFIED BOLTS IN WOOD FRAMING SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1.
2. HOLES SHALL BE A MIN OF $\frac{1}{32}$" TO A MAX OF $\frac{1}{16}$" GREATER THAN THE BOLT DIAMETER. HOLES SHALL BE ACCURATELY ALIGNED AND NOT FORCIBLY DRIVEN.
3. BOLTS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, BOLTS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS C OR TYPE 316 STAINLESS STEEL.
4. BOLTS SHALL BE INSTALLED WITH A STANDARD CUT WASHER OR PLATE WASHER AT HEAD AND NUT W/CORROSION PROTECTION TO MATCH THE BOLT.
5. ALL BOLTS & NUTS TO BE TIGHTENED DURING INSTALLATION & RE-TIGHTENED JUST PRIOR TO CLOSING IN.

ROUGH CARPENTRY-MATERIALS:

1. ALL SAWN LUMBER SHALL BE DOUG FIR UNO AND HAVE MOISTURE CONTENT NOT TO EXCEED 19% AT TIME OF INSTALLATION. EACH PIECE SHALL BEAR THE STAMP OF WCLIB OR WWPA SHOWING GRADE MARK.
2. ALL COMPOSITE WOOD PRODUCTS (IE LVL, LSL, GLULAM, ETC) SHALL BE PROTECTED FROM EXPOSURE AND EXCESSIVE MOISTURE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. MOISTURE CONTENT OF 16% PRIOR TO MEMBERS BEING WRAPPED OR ENCLOSED.
3. ALL SAWN LUMBER TO BE SPECIES & GRADE AS NOTED BELOW:

MEMBER	SPECIES & GRADE
2x_ & 3x_STUDS	#1 DF
2x_ JOISTS, PLATES	#1 DF
4x_ HEADERS	#1 DF
4x_ COLUMNS	#1 DF
6x_ & LARGER HEADERS	SS DF
6x_ & LARGER COLUMNS	SS DF

   - A. MATERIAL EXPOSED TO WEATHER OR IN CONTACT W/CONCRETE SHALL BE PRESSSURE TREATED
   - B. OPTIONAL FOR EXPOSED 8X_ BEAMS & POSTS TO BE #1AC IN LIEU OF TREATED DF
   - C. STUDS TALLER THAN 12'-0" SHALL BE #1DF
4. PRESERVATIVE TREATED & PRESSURE TREATED LUMBER
   - A. SAWN LUMBER TO BE PROTECTED FROM EARTH, WEATHER, EARTH, & CONCRETE/CMU OR WOOD SHALL BE TREATED
   - B. PRESERVATIVE TREATMENT & CLEARANCES TO SOIL OR CONCRETE SHALL BE PER CBC 2303.1.9 & 2304.12.1.2
   - C. FIELD CUTS & HOLES IN TREATED LUMBER SHALL BE PROTECTED IN ACCORDANCE W/AWPA STANDARD M4
   - D. CONTRACTOR TO COORDINATE WITH TREATED WOOD SUPPLIER TO DETERMINE THE APPROPRIATE LEVEL OF CORROSION PROTECTION FOR HARDWARE & FASTENERS IN CONTACT WITH WOOD TREATED WITH CORROSIVE CHEMICALS.
5. ALL WOOD PANEL STRUCTURAL SHEATHING SHALL BE STAMPED W/APA TRADEMARK AND CONFORM TO MOST CURRENT EDITION OF PS-1 OR PS-2. USE THICKNESS AND NAILING AS SHOWN ON DRAWINGS. SHEATHING SHALL HAVE EXPOSURE RATING AS APPROPRIATE FOR ON-SITE EXPOSURE CONDITIONS DURING CONSTRUCTION AND IN FINAL CONDITION. EQUIVALENT OSB SHALL BE USED IN LIEU OF PLYWOOD. PROVIDE PLYWOOD AT ALL EXPOSED EAVE CONDITIONS.

ROUGH CARPENTRY-NAILS:

1. ALL SPECIFIED NAILS SHALL CONFORM TO ASTM F1667 OR ICC ESR-1539. ALTERNATE FASTENERS MUST HAVE AN ICC EVALUATION REPORT AND MAY NOT BE USED UNLESS APPROVED IN WRITING BY RW CONSULTING ENGINEERS. ALL NAILS SHALL BE FULL ROUND HEAD WITH MINIMUM PROPERTIES AS FOLLOWS:

SPECIFIED FASTENER	DIAMETER	LENGTH	PENETRATION	APPLICATION
8d	.131"Ø	$2\frac{1}{2}$"	$1\frac{1}{4}$"	SHTG/FRMG
10d	.148"Ø	3"	$1\frac{1}{2}$"	SHTG/FRMG
16d BOX	.135"Ø	$3\frac{1}{2}$"	$1\frac{5}{8}$"	FRMG
16d SINKER	.148"Ø	$3\frac{1}{4}$"	$1\frac{1}{4}$"	FRMG
16d COMMON	.162"Ø	$3\frac{1}{2}$"	$1\frac{5}{8}$"	FRMG

   ALL NAILS SHALL BE COMMON WIRE NAILS EXCEPT WHERE SPECIFICALLY NOTED
2. NAILS SHALL BE LOCATED AND SPACED TO PREVENT SPLITTING OF WOOD. PREDRILL ALL FASTENERS 75% MAX OF FASTENER DIAMETER WHERE WOOD TENDS TO SPLIT.
3. TOENAILS SHALL BE DRIVEN AT AN ANGLE OF APPROX 30° WITH THE MEMBER AND STARTED APPROX ⅓ THE LENGTH OF THE NAIL FROM THE MEMBER END.
4. NAILS USED IN HARDWARE SHALL BE AS SPECIFIED BY HARDWARE MFR.
5. MINIMUM NAILING SHALL BE PER CBC TABLE 2304.10.2 UNO:

Description	Nailing
Roof	
1. Bllg btwn clg joists, rafters or trusses to top plate or other framing blw	**3-8d toe nail, ea end**
2. Bllg btwn rafters or truss not at the wall top plate, to rafter or truss 2-8d toe nail or 2-16d end nail, ea end	
Flat bllg to truss & web filler	16d face nail @ 6"cc
2. Clg joist to top plate	3-8d toe nail ea joist
3. Clg joist not attached to parallel rafter, laps ov/partitions (no thrust)	3-16d face nail
4. Clg joist attached to parallel rafter, laps ov/partitions (w/thrust)	CBC Table 2308.7.3.1
5. Collar tie to rafter	3-10d face nail
6. Rafter or truss to top plate (see CBC section 2308.7.3.1, Table 2308.7.3.1)	3-10d toe nail
7. Rafters to ridge, valley or hip rafters; or rafter to 2" ridge	3-10d toenail or 2-16d end nail
Wall	
8. Stud to stud (not @ braced wall panels)	**16d @ 24"cc face nail**
9. Stud to stud and abutting studs at intersecting wall corners (braced wall panels)	16d @ 8"cc face nail
10.Built up header (2" to 2" header)	16d @ 16"cc face nail
11.Cont header to stud	4-8d toe nail
12.Top plate to top plate	16d @ 16"cc face nail
13.Top plate to top plate, at end joints	8-16d ea side of end joint face nail (24" min lap splice ea end)
14.Bot plate to joist, rim, band joist or bllg (not @ braced wall panels)	16d @ 16"cc
15.Bot plate to joist, rim, band joist or bllg (braced wall panels)	2-16d @ 16"cc
16.Stud to top or bot plate	4-8d toe nail
17.Top or bot plate to stud	2-16d end nail
18.Top plates, laps at corners & intersections	2-16d face nail
19.1" brace to ea stud & plate	2-8d face nail
20.1x6 sheathing to ea bearing	2-8d face nail
21.1x8 & wider sheathing to ea bearing	3-8d face nail
Floor	
22.Joist to sill, top plate or girder	3-8d toe nail
23.Rim joist, band joist, or bllg to top plate, sill, or other framing blw	8d @ 6"cc toe nail
24.1x6 sub floor or less to ea joist	2-8d face nail
25.2" sub floor to joist or girder	2-16d face nail
26.2" planks ea bearing (plank & beam, floor & roof)	2-16d face nail
27.Built up girders & beams, 2" lumber layers 10d @ 24"cc face nail at top & bot, stagger on opposite sides	
28.Ledger strip supporting joists or rafters	3-16d ea joist or rafter face nail
29.Joist to band joist or rim joist	3-16d end nail
30.Bridging or bllg to joist, rafter or truss	2-8d toe nail ea end

6. NAILS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, NAILS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS D OR TYPE 316 STAINLESS STEEL.
7. SHEATHING NAILS SHALL BE DRIVEN SO THAT THEIR HEAD OR CROWN ARE FLUSH WITH THE SURFACE OF THE SHEATHING.

ROUGH CARPENTRY-HARDWARE:

1. ALL STEEL CONNECTORS, STRAPS, HANGERS, HARDWARE, ETC SHALL BE BY SIMPSON STRONG-TIE OR APPROVED EQUAL UNO. ATTACH W/FASTENERS PER MFR TO ACHIEVE THE MAXIMUM TABULATED VALUE.
2. HARDWARE COMPONENTS AND FASTENERS INSTALLED AGAINST OR INTO TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, ALL HARDWARE AND FASTENERS INTO/AGAINST TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED (G185 MIN FOR HARDWARE) OR STAINLESS STEEL.
3. INSTALL ALL SPECIFIED FASTENERS BEFORE LOADING THE CONNECTION.
4. NAILS FOR HARDWARE SHALL NOT BE OVERDRIVEN OR DEFORM THE PART. THE CONTRACTOR SHALL VERIFY WITH THE HARDWARE MFR THAT THE PART PUBLISHED CAPACITIES ARE NOT REDUCED AS A RESULT OF THE INSTALLED CONDITION.
5. FASTENER SUBSTITUTIONS FOR HARDWARE ARE NOT ALLOWED UNLESS APPROVED FOR USE BY THE MFR AND THE HARDWARE CAPACITY IS NOT REDUCED.
6. WASHERS AT WOOD CONNECTIONS SHALL BE SQUARE PLATE STEEL OR MALLEABLE IRON W/THE FOLLOWING MIN DIMENSIONS:

FASTENER DIAMETER	MIN WASHER DIMENSIONS	MIN THICKNESS
½"	2" x 2"	$\frac{3}{16}$"
⅝"	2½" x 2½"	¼"
¾"	2¾" x 2¾"	$\frac{5}{16}$"
⅞"	3" x 3"	$\frac{5}{16}$"
1"	3½" x 3½"	⅜"

CONCRETE NOTES:

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE 2022 CBC AND ACI 318-19.
2. ALL CONCRETE SHALL BE NORMAL WEIGHT PER ACI 301 AND HAVE PROPORTIONS OF CEMENT, COARSE AND FINE AGGREGATE, WATER AND ADMIXTURES TO PRODUCE THE PROPERTIES SPECIFIED FOR EACH CONCRETE MIX TYPE PER ACI 301 ON THE BASIS OF PREVIOUS FIELD EXPERIENCE AND SUPPORTED BY PREVIOUS TEST RECORDS.
2. STRUCTURAL CONCRETE SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

   FOR USE AT INTERIOR SLABS
   28-DAY STRENGTH, F'C = 4,000 PSI
   MAX AGGREGATE SIZE = 3/4"
   MAX WATER TO CEMENT RATIO = 0.45
   SLUMP = 4" ± 1"
3. CONSTITUENTS OF STRUCTURAL CONCRETE SHALL MEET THE FOLLOWING REQUIREMENTS:
   - 3.1 PORTLAND CEMENT PER ASTM C-150 TYPE I OR II
   - 3.2 COARSE AND FINE AGGREGATES PER ASTM C-33
   - 3.3 REINFORCING PER ASTM A615 GRADE 60, UNO
   - 3.4 FLY ASH PER ASTM C-618 CLASS N OR F
   - 3.5 ADMIXTURES PER PROJECT SPECIFICATIONS
4. ALL DEBRIS SHALL BE REMOVED FROM FORMS AND FOOTING EXCAVATIONS PRIOR TO POURING CONCRETE. NO WOOD STAKES OR FORM SPREADERS SHALL BE PERMITTED IN CONCRETE.
5. ALL REINFORCEMENT, ANCHOR BOLTS, AND OTHER EMBEDDED ITEMS SHALL BE SECURED IN POSITION SHOWN ON DRAWINGS PRIOR TO PLACING CONCRETE.
6. FREE-FALL OF CONCRETE SHALL BE LIMITED TO 4'-0" MAX. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL SO AS TO CAUSE SEPARATION OF AGGREGATES.
7. CONCRETE SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION PER ACI 309 BY MEANS SUITABLE FOR ON SITE CONDITIONS. USE HAND RODDING OR TAMPING AS REQUIRED.
8. ALL FORMWORK TO REMAIN IN PLACE FOR DURATION AS REQUIRED BY LATEST EDITION OF ACI 318.
9. REFER TO ACI RECOMMENDATIONS FOR PLACING AND CURING CONCRETE IN COLD AND HOT WEATHER CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONCRETE MIX DESIGN WITH BATCH PLANT TO PROVIDE CONCRETE MIX APPROPRIATE FOR SITE CONDITIONS
10. CONTRACTOR IS RESPONSIBLE FOR DEEMING AND IMPLEMENTING APPROPRIATE CURING PROCEDURES FOR ACTUAL SITE/WEATHER CONDITIONS AND SHALL INCLUDE PROVISIONS FOR INCLEMENT WEATHER. REFER TO ACI 308R.
11. ALL SLABS SHALL BE FLAT AND LEVEL W/A TOLERANCE OF $\frac{3}{16}$" IN 10' FOR FLATNESS AND MINIMUM LOCAL VALUE F = 32 PER ASTM 1155. THE PROJECT OWNER MAY REJECT ANY CONSTRUCTION THAT DOES NOT MEET THE FLATNESS CRITERIA NOTED WITH REPLACEMENT AT CONTRACTOR'S EXPENSE.
12. CONDUITS AND PIPES EMBEDDED IN THE SLAB (OTHER THAN THOSE PASSING VERTICALLY THROUGH) SHALL NOT BE PERMITTED. CONTRACTOR TO SUBMIT FOOTING PENETRATIONS TO STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
13. DSA AND THE STRUCTURAL ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR A MINIMUM OF 48 HOURS BEFORE PLACING CONCRETE (T-24 PART 1, 4-331).

POST INSTALLED ANCHOR NOTES:

1. ALL POST INSTALLED ANCHORS ARE TO BE INSTALLED PER MANUFACTURER FOR EACH ANCHOR AND PER THE ICC REPORTS LISTED BELOW.
2. ALL POST-INSTALLED ANCHORS ARE TO BE CAREFULLY INSTALLED SO AS TO NOT DISTURB OR DAMAGE THE STEEL REINFORCING IN ANY WAY. ANCHORS MAY NOT BE INSTALLED UNTIL CONCRETE OR GROUT HAS REACHED A MINIMUM AGE OF 28 DAYS.
3. ALL HOLES FOR DRILLED-IN ANCHORS SHALL BE COMPLETELY DRY AND WELL CLEANED WITH A BOTTLE BRUSH AND COMPRESSED AIR PRIOR TO INSTALLING THE ANCHORS.
4. ALL DRILLED-IN ANCHORS SHALL BE TESTED PER CHAPTER 17A OF THE 2022 CBC AND PER THE DSA-103. ALL TESTING SHALL BE DONE BY THE TESTING LABORATORY OF RECORD AND SHALL BE PERFORMED IN THE PRESENCE OF A SPECIAL INSPECTOR. ALL TESTING RESULTS SHALL BE SUBMITTED TO DSA AND TO THE ARCHITECT AND STRUCTURAL ENGINEER. TESTING SHALL OCCUR WITHIN 24 HOURS OF THE INSTALLATION OF EACH ANCHOR.
5. POST-INSTALLED ANCHORS ARE TO BE AS FOLLOWS:
   - 5.1 EXPANSION ANCHORS
     HILTI KB TZ2 PER ICC ESR 4266
   - 5.2 EPOXY ANCHORS
     HILTI HIT-HY 200 V3 PER ICC ESR 4868
6. POST-INSTALLED ANCHORS ARE TO BE INSTALLED ONLY WHERE SPECIFICALLY DETAILED IN THE PROJECT DRAWINGS, WITH EMBEDMENTS AND PROOF TESTING AS SPECIFICALLY IDENTIFIED IN EACH APPLICABLE DETAIL. FOR ADDITIONAL INFORMATION, UNO, FOR EXPANSION ANCHORS, SEE TABLE BELOW.
7. POST-INSTALLED ANCHORS MAY NOT BE USED AT LOCATIONS OTHER THAN THOSE SPECIFICALLY DETAILED IN THE PROJECT DRAWINGS WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.

CONCRETE: HILTI KWIK BOLT TZ2 EXPANSION ANCHORS
SEE ICC-ER ESR-4266 TABLE 1

ANCHOR DIAMETER	⅜"Ø	½"Ø	⅝"Ø
BIT DIAMETER	⅜"Ø	½"Ø	⅝"Ø
NOMINAL EMBEDMENT	$2\frac{1}{2}$"	$2\frac{1}{2}$"	$4\frac{1}{2}$"
HOLE DEPTH	$2\frac{3}{8}$"	$2\frac{3}{8}$"	$4\frac{3}{8}$"
TORQUE (CARBON STEEL)	30 FT-LB	50 FT-LB	40 FT-LB
TORQUE (STAINLESS STEEL)	30 FT-LB	40 FT-LB	60 FT-LB

DESIGN CRITERIA:

1. PROJECT ADDRESS: 945 SOUTH HAM LANE, LODI, CA 95242
2. BUILDING CODE: 2022 CALIFORNIA BUILDING CODE
3. GRAVITY LOADS: (ESTIMATES OF AS-BUILT CONDITIONS)
   - BUILDING ROOF-MP ROOM
     - ROOF LIVE LOAD = 20 PSF (REDUCIBLE)
     - ROOF DEAD LOAD = 20 PSF (HIGH ROOF)
     - ROOF DEAD LOAD = 20 PSF (LOW ROOF)
   - WALL WEIGHTS-MP ROOM
     - EXTERIOR WALLS WITH BRICK VENEER = 43 PSF (2X6)
     - INTERIOR WALLS = 10 PSF (2X6)
4. LATERAL LOADS: RISK CATEGORY III
   - WIND LOADS (ASCE 7-16)
     - BASIC WIND SPEED 100 MPH (77 MPH ASD)
     - EXPOSURE C
     - BUILDINGS ARE CONSIDERED "ENCLOSED"
     - PRESSURE COEFFICIENTS
       - INTERNAL PRESSURE COEFFICIENT, GC_{pi} = ± 0.18
       - TOPOGRAPHIC FACTOR, K_{zt} = 1.00
       - WIND DIRECTIONALITY FACTOR, K_d = 0.85
     - VELOCITY PRESSURES
       - q (0'-15') = 11.0 PSF (ASD)
       - q (15'-20') = 11.6 PSF (ASD)
   - SEISMIC LOADS (ASCE 7-16)
     - SITE CLASS D
     - SEISMIC DESIGN CATEGORY D
     - IMPORTANCE FACTOR 1.25
     - REDUNDANCY, ρ 1.3
     - S_s = 0.628, S_1 = 0.261
     - F_v = 1.298, F_a = 2.08
     - S_{ms} = 0.81, S_{m1} = 0.811
     - S_{ds} = 0.543, S_{d1} = 0.542
     - LATERAL SYSTEM: LIGHT-FRAMED, WOOD FRAMED WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE (ASCE 7-16 TABLE 12.2-1: A-16).
     - R = 6.5, $C_s = \frac{S_{DS}}{(R / I)}$
     - Ω_0 = 3.0
     - C_d = 4.0
     - = 0.135
     - V(ASD) = 0.7 x ρ x C_s x W
     - = 0.095 x W

INSPECTION NOTES:

1. ALL TESTS AND INSPECTIONS ARE TO BE PROVIDED BY A QUALIFIED TESTING LAB OF RECORD, HIRED BY THE DISTRICT (T-24 PART 1, 4-335).
2. ALL TESTS AND INSPECTIONS SHALL CONFORM TO CHAPTER 17A OF THE 2022 CBC AND THE PROJECT SPECIFIC DSA-103.
3. ALL SPECIAL INSPECTORS SHALL HAVE A MINIMUM OF THREE YEARS OF EXPERIENCE WITH MATERIAL BEING INSPECTED.

FOUNDATION NOTES:

1. FOUNDATIONS ARE DESIGNED IN ACCORDANCE WITH GEOTECHNICAL REPORT NO. NA2245056, DATED AUGUST 23, 2024 BY TERRACON.
2. FOOTINGS SHALL BEAR ON FIRM, DRY, COMPACTED SOIL.
3. FOOTING DEPTHS INDICATED ON PLANS ARE MINIMUMS. AREAS OF OVER-EXCAVATION SHALL BE BACKFILLED WITH COMPACTED FILL PER THE SOILS REPORT OR WITH LEAN CONCRETE HAVING A MINIMUM 28-DAY STRENGTH OF 1,000 PSI.
4. FOOTINGS MAY BE OVER-EXCAVATED AT CONTRACTOR'S OPTION FOR PLACEMENT OF LEAN MIX CONCRETE TO FACILITATE THE REMOVAL OF DEBRIS AND STANDING WATER.
5. ALL FOOTINGS NOT FORMED SHALL BE POURED IN NEAT EXCAVATIONS. BOTTOMS OF EXCAVATIONS SHALL BE LEVEL, WITH CHANGES IN ELEVATION ONLY AS NOTED IN THESE DRAWINGS.
6. SEOR SHALL BE NOTIFIED IMMEDIATELY WHERE JOB SITE CONDITIONS ARE DIFFERENT THAN THOSE SHOWN ON CONTRACT DRAWINGS.
7. SEOR AND DSA SHALL BE NOTIFIED A MINIMUM OF 48-HOURS PRIOR TO THE PLACING OF CONCRETE SLABS AND FOUNDATIONS.

SHALLOW FOUNDATIONS		
PROPERTY	VALUE	COMMENTS
BEARING	3000 PSF 4000 PSF	DEAD & LIVE DEAD & LIVE & SEISMIC/WIND

STEEL REINFORCING NOTES:

1. ALL CONCRETE REINFORCING SHALL CONFORM TO THE 2022 CBC AND BE DETAILED, FABRICATED, AND PLACED PER ACI 318-19, AND PER THE LATEST EDITION OF ACI 315.
2. REINFORCEMENT SHALL BE DEFORMED BILLET STEEL PER ASTM A-615, GRADE 60.
3. ALL BENDING OF REINFORCEMENT PER ACI. FIELD BENDING OF REINFORCEMENT SHALL NOT BE PERMITTED.
4. REINFORCEMENT IN SLABS AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS OR CORNER BARS PROVIDED.
5. LAP SPLICES OF CONCRETE REINFORCEMENT
   - 5.1 #3 BARS = 30"
   - 5.2 #4 BARS = 40"
   - 5.3 #5 BARS = 48"
   - 5.4 #6 BARS = 60"
6. ALL ADJACENT REINFORCING LAPS ARE TO BE STAGGERED A MINIMUM OF 5'-0".
7. REINFORCING SHALL BE PLACED WITH THE FOLLOWING MINIMUM CLEAR COVERAGE, UNO:
   - 7.1 POURED AGAINST EXCAVATIONS/GROUND = 3"
   - 7.2 POURED AGAINST FORMS, EXPOSED TO SOIL = 2"
   - 7.3 CONCRETE EXPOSED TO WEATHER =1½"
   - 7.4 SLABS ON GRADE - CENTER REINFORCING WITHIN SLAB DEPTH
8. REINFORCING SHALL BE TIED IN PLACE. TACK WELDING OF REINFORCING IS NOT PERMITTED.
9. WHERE REINFORCING IS NOT SPECIFIED, REFER TO ACI 318 FOR MINIMUM REINFORCEMENT.
10. WELDING OF REINFORCING IS NOT PERMITTED UNLESS SHOWN ON THESE DRAWINGS OR WITH PRIOR WRITTEN APPROVAL FROM THE SEOR.

STRUCTURAL SHEET INDEX:

S0.01	TYPICAL NOTES & DETAIL
S0.02	TYPICAL DETAILS
S2.11	PARTIAL FOUNDATION PLAN
S2.12	PARTIAL ROOF FRAMING PLANS
S3.11	WALL ELEVATIONS
S3.12	WALL ELEVATIONS
S4.11	DETAILS
S4.12	DETAILS

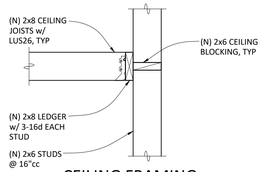
ABBREVIATIONS:

@	AT	LS	LAG SCREW
AB	ANCHOR BOLT	LSL	LAMINATED STRAND LUMBER
approx	APPROXIMATE	LVL	LAMINATED VENEER LUMBER
Arch	ARCHITECTURAL	MAX	MAXIMUM
BC	BOTTOM CHORD	MIN	MINIMUM
BLK	BLOCK OR BLOCKING	(N)	NEW
BO	BOTTOM OF	#	NUMBER
CBC	CALIFORNIA BUILDING CODE	NTS	NOT TO SCALE
cc	CENTER TO CENTER	OD	OUTSIDE DIAMETER
CIP	CAST IN PLACE	OH	OPPOSITE HAND
CJ	CONSTRUCTION JOINT	OV	OVER
CL	CENTER LINE	PL	PLATE
CMU	CONCRETE MASONRY UNIT	PT	PRESSURE TREATED
CONC	CONCRETE	REIN	REINFORCEMENT
CONT	CONTINUOUS	SIM	SIMILAR
DF	DOUGLAS FIR	SP	STRUCTURAL PANEL
Ø	DIAMETER	SW	SHEAR WALL
DL	DEAD LOAD	T&B	TOP AND BOTTOM
DT	DRAG TRUSS	T&G	TONGUE AND GROOVE
(E)	EXISTING	thru	THROUGH
EN	EDGE NAIL	TN	TOE NAIL
EOR	ENGINEER OF RECORD	TOS	TOP OF STEEL
FDN	FOUNDATION	TYP	TYPICAL
FF	FINISH FLOOR	UNO	UNLESS NOTED OTHERWISE
FO	FACE OF	W/O	WITHOUT
	FOOT/FEET	VIF	VERIFY IN FIELD
FTG	FOOTING	W/O	WITHOUT
FRMG	FRAMING	WWF	WELDED WIRE FABRIC
GLB	GLUE LAMINATED BEAM		
HD	HOLD DOWN		
HDG	HOT-DIPPED GALVANIZED		
HDR	HEADER		

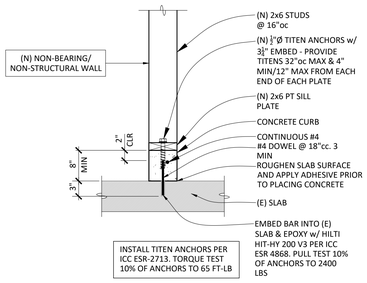
GENERAL NOTES:

1. ALL NEW WORK SHALL CONFORM TO TITLE 24 2022 EDITIONS WITH AMENDMENTS AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
2. THIS SET OF STRUCTURAL DRAWINGS IS APPLICABLE ONLY TO THE LISTED PROJECT AND SITE LOCATION.
3. NOTES ON THIS SHEET ARE TYPICAL AND SHALL APPLY UNLESS OTHERWISE NOTED OR SHOWN. TYPICAL DETAILS SHALL APPLY FOR ALL LIKE CONDITIONS UNLESS OTHERWISE NOTED OR DETAILED.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS, ELEVATIONS, EXISTING CONDITIONS, AND OTHER RELATED ITEMS. THE CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF RECORD IF ANY CONFLICTS ARE SHOWN OR NOTED.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFORM TO RELEVANT SECTIONS OF THE CALIFORNIA "CONSTRUCTION SAFETY ORDERS" AND ALL OSHA REQUIREMENTS. THE ENGINEER OF RECORD ACCEPTS NO RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY W/ THESE REQUIREMENTS.
6. STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE, AND DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. DESIGN AND CONSTRUCTION OF ALL TEMPORARY BRACING, SHORING, FORMING, ETC REQUIRED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. A COPY OF TITLE 24 CCR PARTS 1 -5 SHALL BE KEPT ON SITE AT ALL TIM

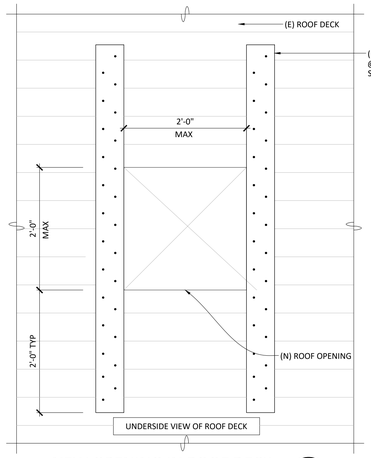
IF THE LINE BROWN ABOVE IS EXACTLY 1" LONG, THIS SHEET IS ORIGINAL MADE 30X



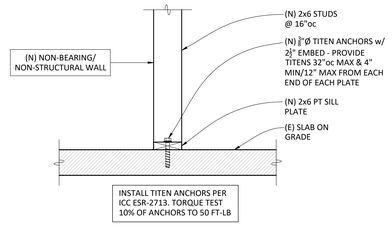
CEILING FRAMING PERPENDICULAR TO WALL 14



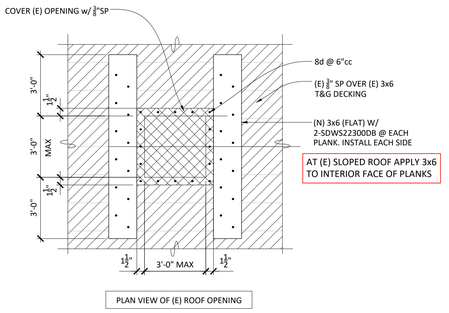
NEW CURB 9



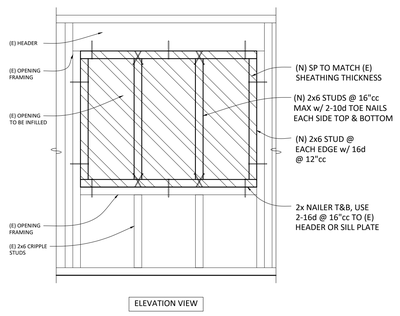
NEW OPENING IN ROOF DECK 15



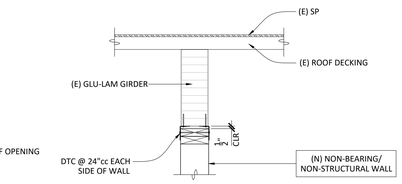
NEW WALL TO EXISTING SLAB 10



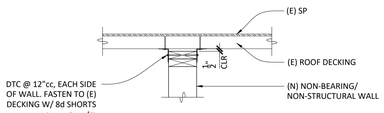
EXISTING ROOF OPENING INFILL 16



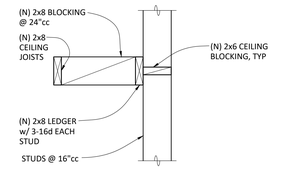
EXISTING WALL OPENING INFILL 17



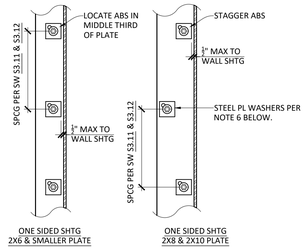
NEW WALL FRAMING @ (E) GLB 11



NEW WALL FRAMING @ (E) DECK 12



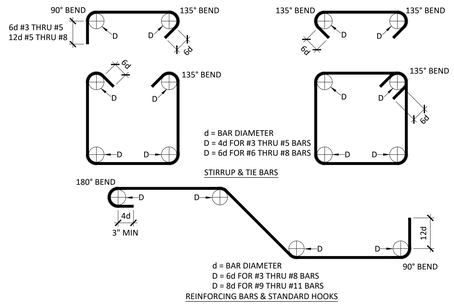
CEILING FRAMING PARALLEL TO WALL 13



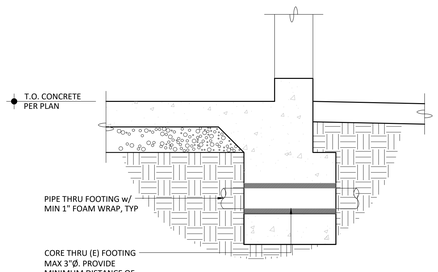
MOTES:

1. MAINTAIN 1.5 X BOLT DIAMETER MIN EDGE DISTANCE
2. ANCHOR BOLT PLACEMENT AS SHOWN SAME @ 3X_ & LARGER PLATES
3. STANDARD CUT WASHERS MAY BE USED AT ANCHOR BOLTS FOR WALLS WITHOUT SHEATHING
4. PROVIDE MIN 2 ANCHOR BOLTS PER PLATE
5. SPACE ANCHOR BOLTS NOT MORE THAN 48"oc
6. STEEL PL WASHERS ARE TO BE HOT-DIPPED GALV AND ARE TO BE 3"x4 ½"x0.229in. THE HOLE IN THE PLATE WASHER MAY BE DIAGONALLY SLOTTED WITH A WIDTH UP TO $\frac{5}{8}$" WIDER THAN THE ANCHOR BOLT DIAMETER. SLOT LENGTH NOT TO EXCEED 1 ¾". PROVIDED A STANDARD CUT WASHER IS USED BETWEEN THE NUT AND PLATE WASHER. THE PLATE WASHER SHALL EXTEND TO WITHIN 1/2-INCH OF THE EDGE OF THE BOTTOM PLATE SIDE TO THE SHEATHING.

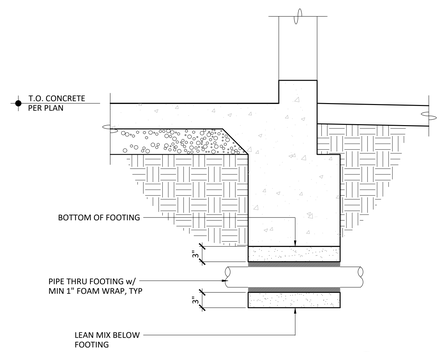
WOOD SILL PLATE ANCHOR BOLTS 5



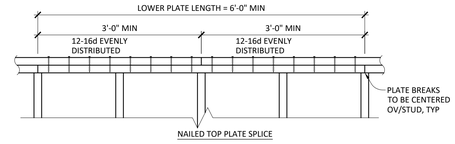
STANDARD REBAR BENDS 6



PIPES THRU (E) CONTINUOUS FOOTING 7



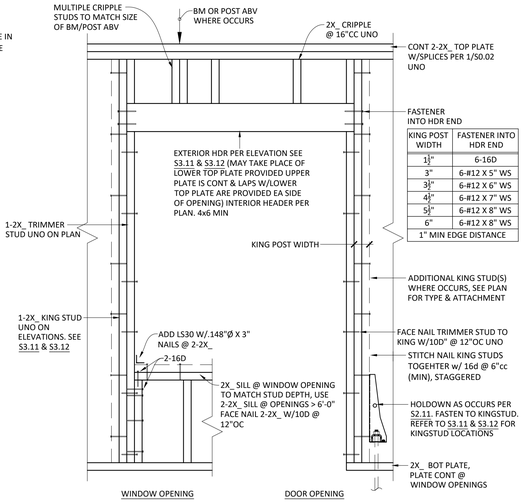
PIPES BELOW (E) FOOTING 8



NOTES:

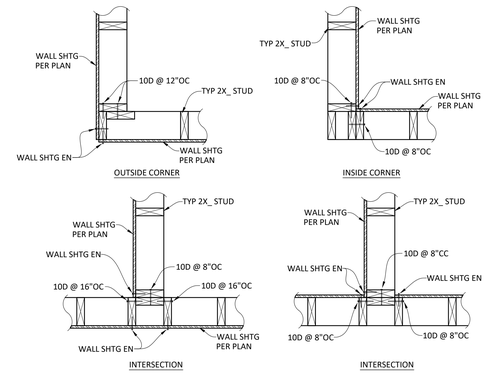
1. PRE-DRILL 75% OF FASTENER DIAMETER AS REQUIRED TO AVOID SPLITTING
2. NO PLATE PENETRATIONS ALLOWED IN SPLICE ZONES

TOP PLATE SPLICE 1

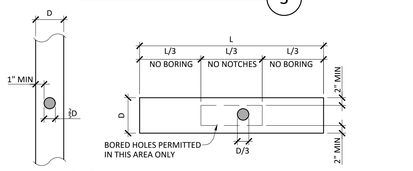


KING POST WIDTH	FASTENER INTO HDR END
1½"	6-16D
3"	6-#12 X 5" WS
3½"	6-#12 X 6" WS
4½"	6-#12 X 7" WS
5½"	6-#12 X 8" WS
6"	6-#12 X 8" WS
1" MIN EDGE DISTANCE	

WALL OPENING INTERIOR & EXTERIOR 2



WALL INTERSECTIONS 3



NOTES:

1) HOLES IN WALL STUDS MAY BE BORED UP TO ⅓D DIAMETER PROVIDED STUDS ARE DOUBLED & HOLES ARE CENTERED IN STUD WIDTH.
2) BORING SHOWN SHALL NOT BE USED AT BEAMS OR POSTS. CONSULT AOR.
3) NOTCHING IS NOT PERMITTED.
4) CLEAR SPCG BTWN BORED HOLES SHALL BE 12" MIN.
5) HOLES IN TOP PLATES SHALL NOT BE LOCATED WITHIN TOP PLATE SPLICE ZONE
6) WHERE TOP PLATE PENETRATIONS EXCEED LIMITS SHOWN, PROVIDE CTS219 EACH SIDE OF BOTH TOP PLATES & ATTACH W/SD #9X1½" SCREWS

BORING 4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100
SACRAMENTO, CA 95816
916 325 1100 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

RW CONSULTING Engineers Inc
1450 HARBOR BLVD SUITE F
WEST SACRAMENTO, CA 95691
916.716.6910

REGISTERED PROFESSIONAL ENGINEER GREGORY T. RUSSELL S-4455 STATE OF CALIFORNIA

4-04-25

FACILITY:

LODI MIDDLE SCHOOL
945 SOUTH HAM LANE
LODI, CA 95242

PROJECT:

LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2

SHEET NAME:

TYPICAL DETAILS

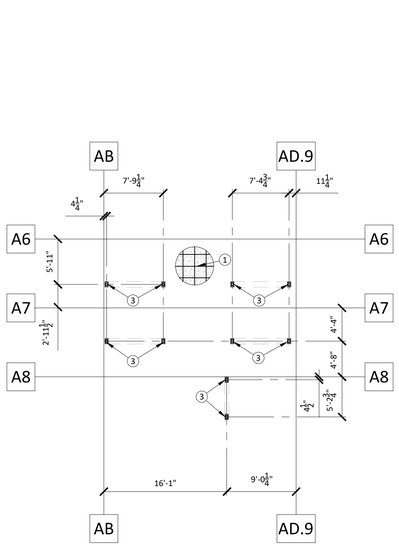
CONSTRUCTION DOCUMENTS

DATE: **2025.04.10**
CLIENT PROJ NO: **3431007000**
SHEET:

S0.02

PLEASE RECYCLE

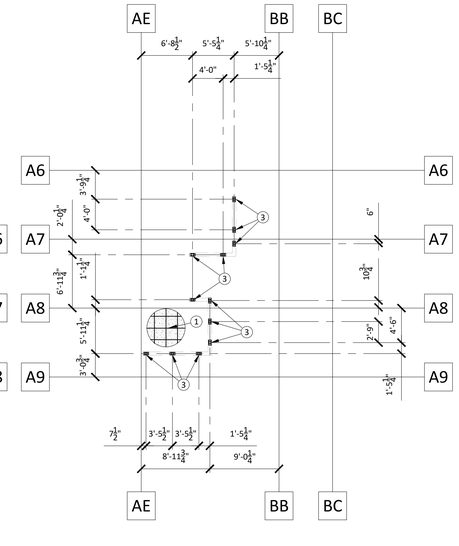
THE LINE BROWN ABOVE IS EXACTLY 1" WHEN PLOTTED ON 24X36 SHEETS (ORIGINAL IMAGE SIZE)



CONTRACTOR TO CONFIRM DIRECTIONS WITH 1/AA7.12

PARTIAL FOUNDATION PLAN UNIT A - OPEN OFFICE (B)

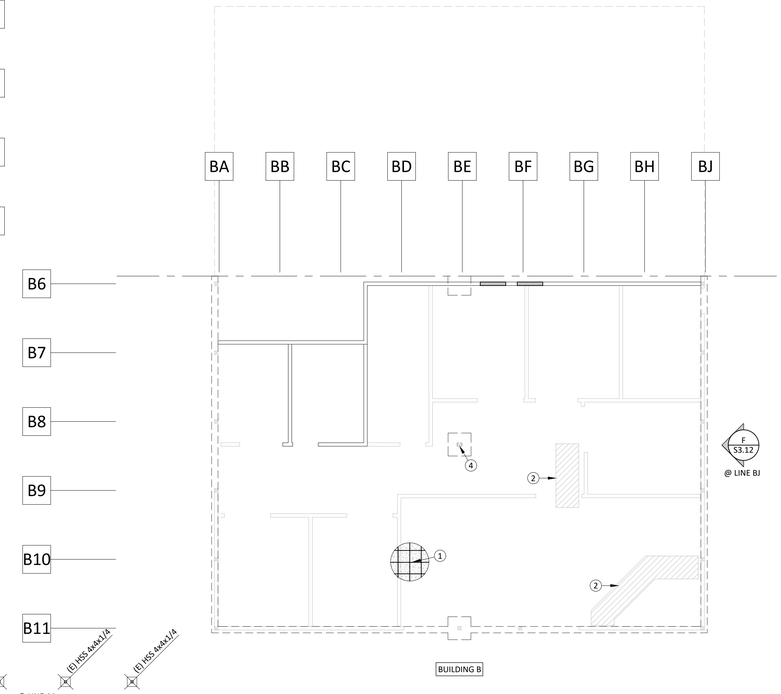
¼" = 1'-0"

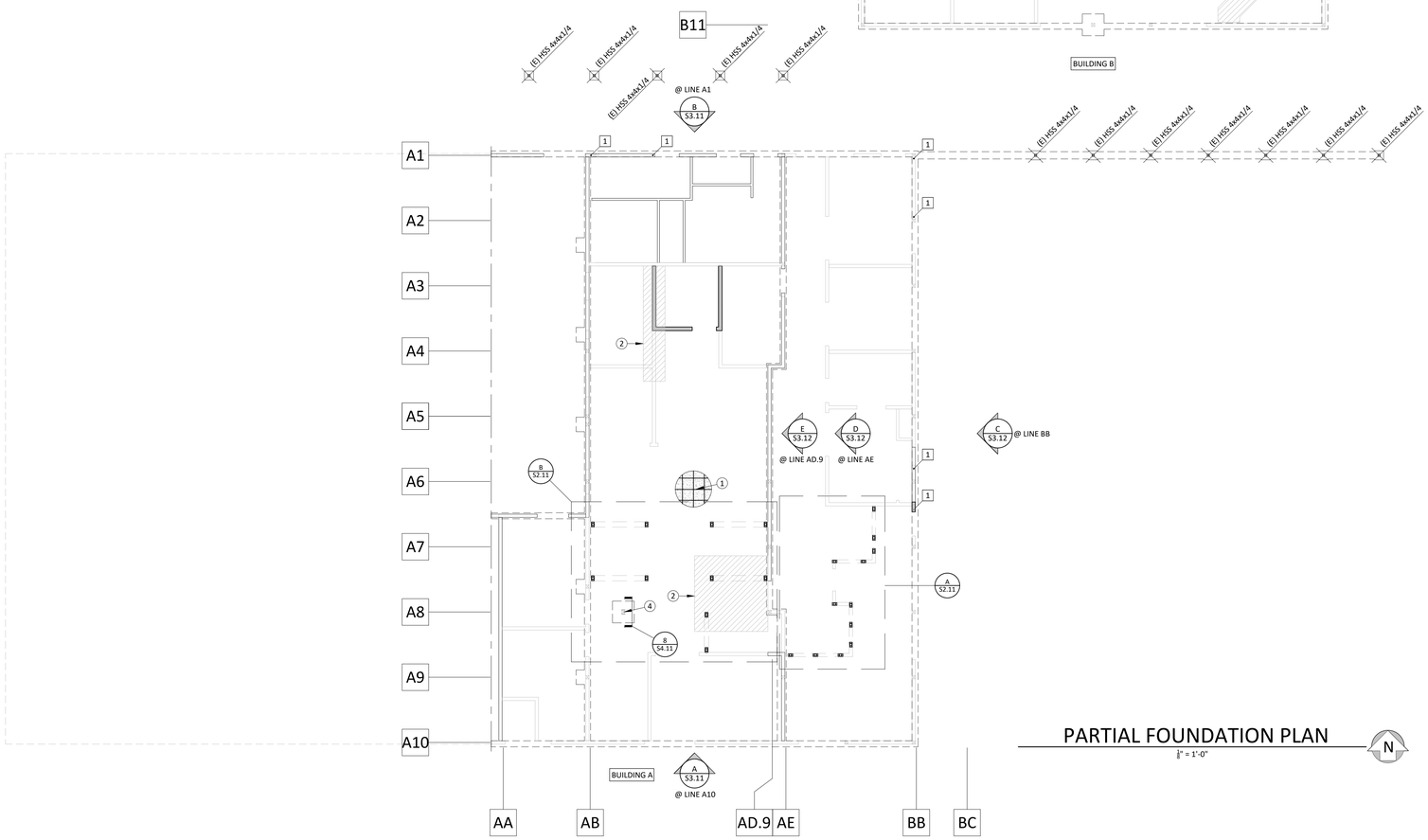


CONTRACTOR TO CONFIRM DIRECTIONS WITH 1/AA7.12

PARTIAL FOUNDATION PLAN UNIT A - RECEPTION DESK (A)

¼" = 1'-0"





PARTIAL FOUNDATION PLAN

¼" = 1'-0"

PARTIAL FOUNDATION PLAN NOTES:

1. PARTIAL EXISTING FOUNDATION PLAN IS PROVIDED FOR REFERENCE ONLY. ALL EXISTING ITEMS ARE NOTED WITH AN (E). NEW ITEMS ARE NOTED WITH AN (N).
2. CONTRACTOR SHALL COORDINATE ALL WORK CONTAINED HEREIN WITH ALL PROJECT WORK BY OTHERS INCLUDING CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL & PLUMPING.
3. SCOPE OF WORK TO STRUCTURAL SYSTEM IS LIMITED TO:
   - 3.1. SLAB REMOVAL TO ACCESS EXISTING FOUNDATION .
   - 3.2. NEW HOLD DOWN ASSEMBLIES FOR MODIFIED SHEAR WALLS.
   - 3.3. REMOVAL OF EXISTING CURBS AT NEW OPENINGS.
   - 3.4. NEW CONCRETE CURBS AS AT NEW INTERIOR WALLS.
4. ANY PENETRATION / HOLE LOCATONS REQUIRED IN EXISTING CONCRETE FOOTINGS FOR PLUMBING OR ELECTRICAL LINES ARE TO BE PRESENTED TO THE SEOR FOR REVIEW PRIOR TO PROCEEDING WITH WORK. CONTRACTOR IS TO DETERMINE LOCATION OF ALL REINFORCING IN VICINITY OF REQUIRED PENETRATIONS. DO NOT DISTURB ANY EXISTING REINFORCING.

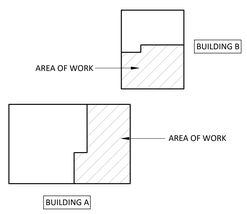
PARTIAL FOUNDATION PLAN LEGEND:

- EXISTING CONTINUOUS FOOTING
- EXISTING CONCRETE CURB
- NEW CONCRETE CURB PER 9/S0.02
- NEW EPOXY ROD HOLD DOWN (HDU2) PER 2/S4.11
- EXTENT OF SLAB REMOVAL AND REPLACEMENT
- EXISTING STEEL COLUMN (E) HSS
- WALL FRAMING LOCATION
- EXISTING WOOD POST LOCATION

PARTIAL FOUNDATION PLAN KEY NOTES:

1. EXISTING 4-INCH CONCRETE SLAB W/ WWF
2. REMOVE SLAB AND REPLACE SLAB PER 1/S4.11
3. NEW HSS 4x4x¼ @ PARTIAL HEIGHT WALL. SEE DETAIL 4/S4.11
4. RETAIN EXISTING 2x NAILER EACH SIDE OF EXISTING POST AND GLB OR PROVIDE NEW 2x NAILER EACH SIDE AS NEEDED

BUILDING KEY PLAN:



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100
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RW CONSULTING Engineers Inc
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916.716.6910

REGISTERED PROFESSIONAL ENGINEER GREGORY L. REPPERGER S-4555 CIVIL STATE OF CALIFORNIA

4-04-25

FACILITY:

LODI MIDDLE SCHOOL
945 SOUTH HAM LANE
LODI, CA 95242

PROJECT:

LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2

SHEET NAME:

PARTIAL FOUNDATION PLAN

CONSTRUCTION DOCUMENTS

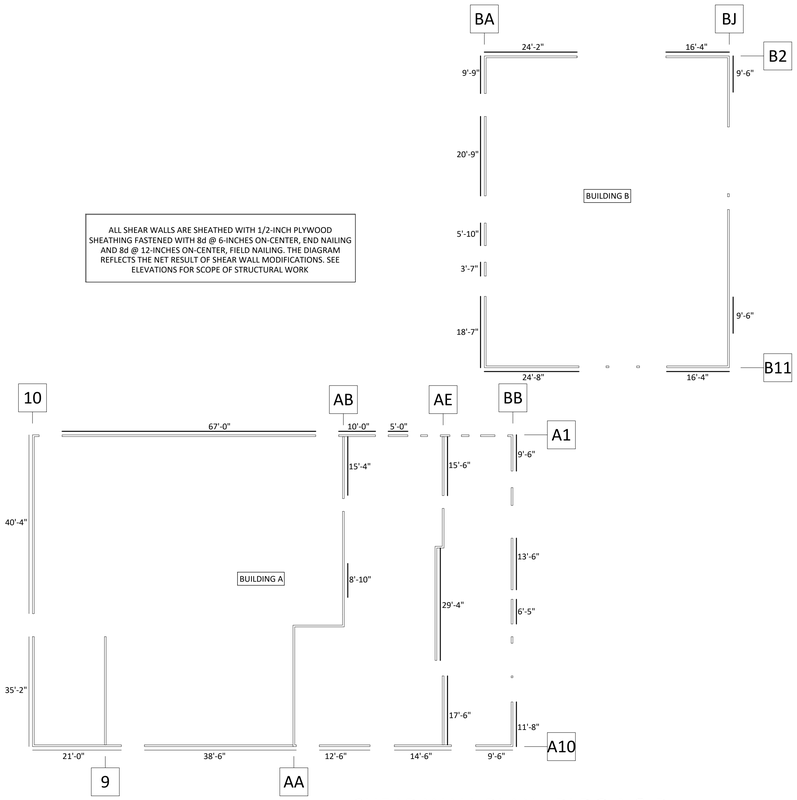
DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

S2.11

PLEASE RECYCLE

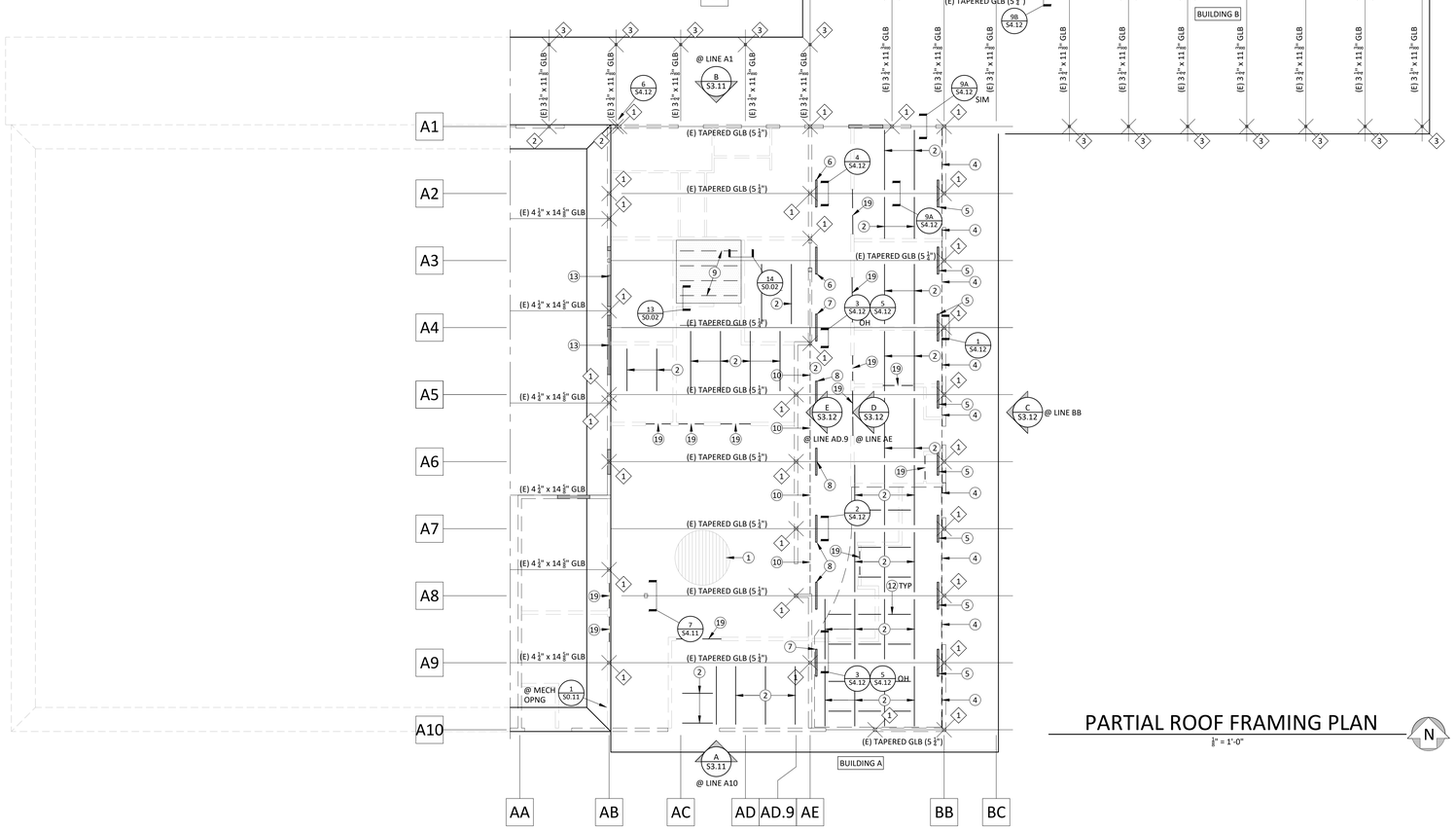
THE LINE BROWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET IF ORIGINAL MADE SIZE



ALL SHEAR WALLS ARE SHEATHED WITH 1/2-INCH PLYWOOD SHEATHING FASTENED WITH 8d @ 6-INCHES ON-CENTER, END NAILING AND 8d @ 12-INCHES ON-CENTER, FIELD NAILING. THE DIAGRAM REFLECTS THE NET RESULT OF SHEAR WALL MODIFICATIONS. SEE ELEVATIONS FOR SCOPE OF STRUCTURAL WORK

SHEAR WALL PLAN - BLDG A & B

$\frac{1}{16}$" = 1'-0"



PARTIAL ROOF FRAMING PLAN

$\frac{1}{8}$" = 1'-0"

PARTIAL ROOF FRAMING PLAN NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK CONTAINED HEREIN WITH ALL PROJECT WORK BY OTHERS INCLUDING CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL & PLUMPING.
2. STRUCTURAL SCOPE IS LIMITED TO MISCELLANEOUS FRAMING MODIFICATIONS TO ACCOMMODATE NEW WALL OPENINGS AND NEW INTERIOR WALL FRAMING.
3. IF SUPPLEMENTAL FRAMING EXISTS BUT DIFFERS FROM THAT SPECIFIED, SEOR IS TO BE NOTIFIED SO EXISTING CONDITIONS CAN BE ASSESSED AND THE DETERMINATION CAN BE MADE IF EXISTING FRAMING IS SUFFICIENT.

PARTIAL ROOF FRAMING PLAN LEGEND:

- EXISTING SHEAR WALL
- EXISTING BEAM/GIRDER MEMBER
- INTERIOR WALL FRAMING. REFER TO ARCH DRAWINGS FOR LOCATION OF EXISTING AND NEW WALL FRAMING
- INDICATES LOCATION OF EXISTING COLUMN REFER TO TABLE BELOW
- INDICATES NEW WALL FRAMING INFILL BELOW

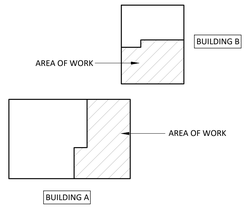
STRUCTURAL ROOF/CEILING PLAN KEYNOTES:

1. EXISTING 3/8-INCH ROOF SHEATHING OVER EXISTING 2x6 T & G DECKING
2. NEW 4x6 @ 48"cc ROOF MEMBERS INSTALLED FROM THE UNDERSIDE OF THE ROOF FOR DROPPED CEILING SUPPORT
3. NEW 4x6 ALONGSIDE INTERIOR WALL FRAMING
4. NEW 2x6 DRAG MEMBER ALONGSIDE WALL FRAMING
5. NEW DRAG TIE PER 1/S4.12
6. NEW DRAG TIE PER 4/S4.12
7. NEW DRAG TIE PER 3/S4.12
8. NEW DRAG TIE PER 2/S4.12
9. NEW 2x8 CEILING JOISTS @ 24"cc, BELOW
10. NEW 2x12 OVER NEW 6x6 DRAG BEAM. SEE 2/S4.12
11. OUTLINE OF BAFFLE CEILING BELOW
12. 4x6 CROSS BLKG @ BAFFLE JOINT. PROVIDE HU46 @ EACH END
13. INFILL (E) WALL OPENING BELOW 1/S3.11
14. INFILL (E) WALL OPENING BELOW 2/S3.11
15. REFER TO 3/S3.11 WHERE SOFFIT INTERFERES W/ NEW WALL FRAMING
16. OUTLINE OF EXISTING SOFFIT PER ARCH
17. OUTLINE OF NEW SOFFIT PER ARCH
18. (E) CEILING FRAMING BELOW TO REMAIN
19. (N) 4x6 INTERIOR PARTITION WALL HEADER

POST/COLUMN SCHEDULE:

MARK	SIZE	TYPE	NOTES
1	(E) 6x6	POST	SUPPORT FOR ROOF BEAM
2	(E) 4x6	POST	SUPPORT FOR ROOF BEAM
3	(E) HSS	COLUMN	SUPPORT FOR CANOPY BEAM

BUILDING KEY PLAN:



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916.716.6910

GREGORY I. RICHARDS — No. S-4495 — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA
4-04-25

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE
LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2

SHEET NAME:
PARTIAL ROOF FRAMING PLANS

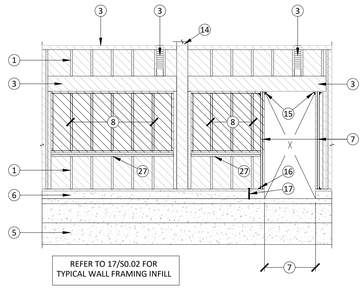
CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO. **3431007000**

SHEET:
S2.12

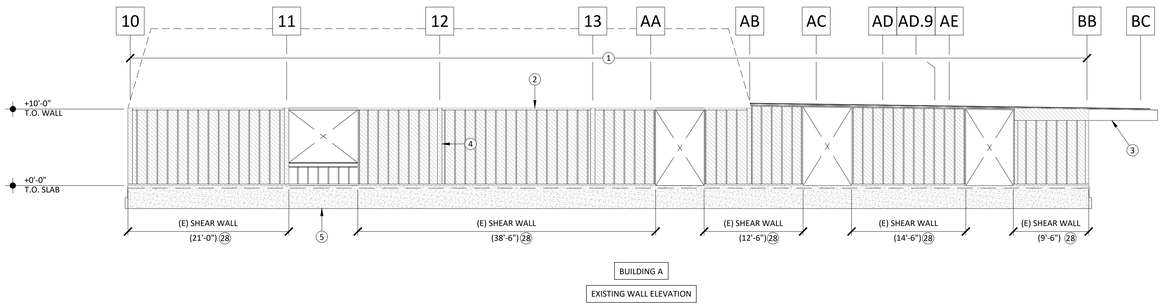
PLEASE RECYCLE

THE LINE BROWN ABOVE IS EXACTLY 1" LONG ON ARCH D SHEETS (ORIGINAL IMAGE SIZE)



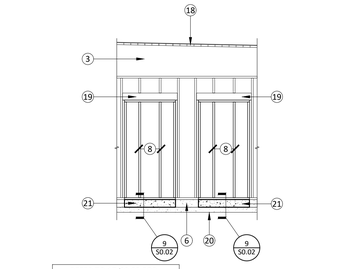
PARTIAL WALL ELEVATION 1

1/4" = 1'-0"



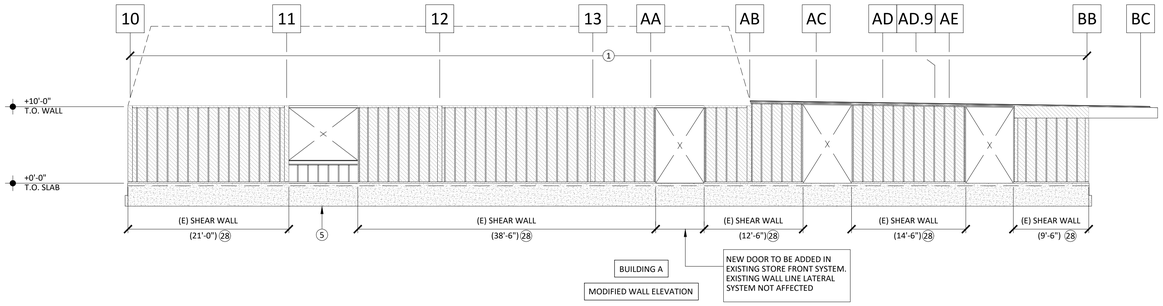
WALL ELEVATION-LINE A10 A

3/8" = 1'-0"



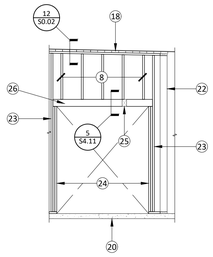
PARTIAL WALL ELEVATION 2

1/4" = 1'-0"



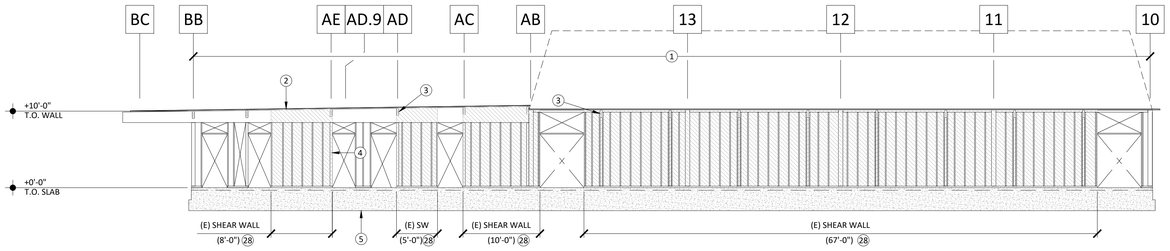
WALL ELEVATION-LINE A10 A

3/8" = 1'-0"



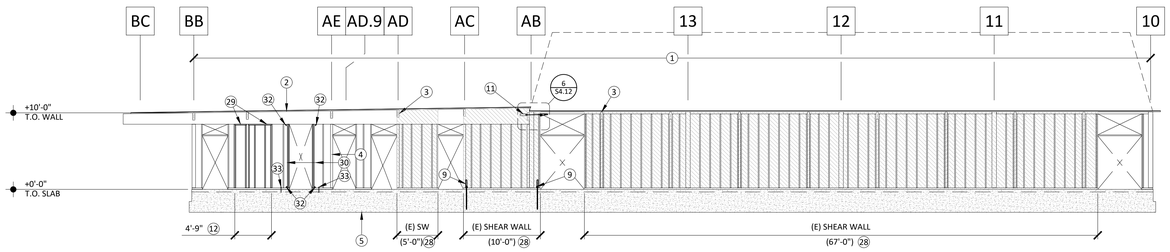
PARTIAL WALL ELEVATION 3

1/4" = 1'-0"



WALL ELEVATION-LINE A1 B

3/8" = 1'-0"



WALL ELEVATION-LINE A1 B

3/8" = 1'-0"

ELEVATION LEGEND:

INDICATES EXTENT OF (E) WOOD SHEAR WALL USED FOR THE EXISTING LATERAL SYSTEM. (E) 1/2" SP W/ 8d @ 6"cc (MIN) (EN), 8d @ 12"cc (FIELD NAILING)

ELEVATION NOTES:

1. REFER TO SHEETS S0.01 & S0.02 FOR TYPICAL NOTES & DETAILS.
2. CONTRACTOR SHALL COORDINATE ALL WORK CONTAINED HEREIN WITH ALL PROJECT WORK BY OTHERS INCLUDING CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL & PLUMPING.
3. REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF OPENING ELEVATIONS.

ELEVATION KEYNOTES:

1. EXISTING 2x6 STUDS @ 16"cc
2. EXISTING ROOF SHEATHING OVER T & G DECK
3. EXISTING GLU-LAM BEAM
4. EXISTING POST
5. EXISTING CONCRETE FOUNDATION
6. EXISTING CONCRETE CURB
7. NEW 2-2x6 KINGSTUD
8. NEW 2x6 STUDS @ 16"cc
9. NEW HOLDOWN PER S2.11
10. EXISTING POST PER PLAN
11. NEW DRAG TIE
12. NEW 2x6 @ 16"cc INFILL @ EXISTING WINDOW OPENING. SHEATHING W/ 8d @ 6"cc (EN)
13. REMOVE EXISTING CURB @ DOOR OPENING
14. EXISTING POST
15. PROVIDE A35 EACH SIDE OF KING STUD
16. PROVIDE A35 FROM KING STUD TO SILL PL
17. PROVIDE 5/8"Ø AB PER 5/S4.11 WITHIN 9" FROM EDGE OF OPENING
18. EXISTING ROOF DECKING
19. EXISTING WALL HEADER
20. EXISTING CONCRETE SLAB
21. NEW CONCRETE CURB
22. EXISTING CROSS WALL
23. NEW WALL FRAMING
24. PROVIDE 2-2x4 TRIMMERS BELOW HEADER
25. EXISTING 4x6 SOFFIT HEADER. CUT TO PASS NEW WALL FRAMING
26. NEW 4x6 WALL HEADER
27. EXISTING 2-2x6 WINDOW SILL
28. EXISTING 5/8"Ø x 12" ANCHOR BOLTS @ 32"cc
29. 2x6 PLATE. FASTEN TO (E) BEAM W/ 16d @ 6"cc
30. DOUBLE 2x6 KINGSTUD
31. NOT USED
32. A35
33. INSTALL TITEN HD 5/8"Ø x 8" PER ICC-ES 2713 WITHIN 9" FROM EDGE OF SILL PLATE. TORQUE TEST ANCHOR TO 100 LB-FT

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REGISTERED PROFESSIONAL ENGINEER GREGORY T. RUTHER No. S-4555 STATE OF CALIFORNIA

4-04-25

FACILITY:

LODI MIDDLE SCHOOL
945 SOUTH HAM LANE
LODI, CA 95242

PROJECT:

LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2

SHEET NAME:

WALL ELEVATIONS

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

S3.11

PLEASE RECYCLE

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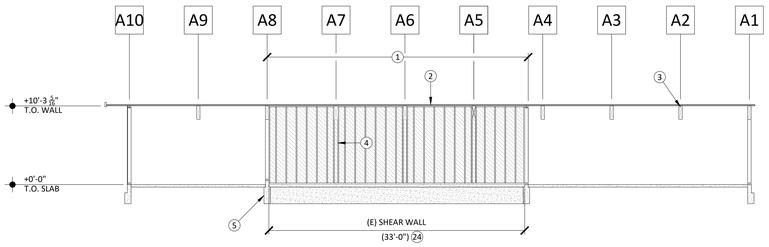
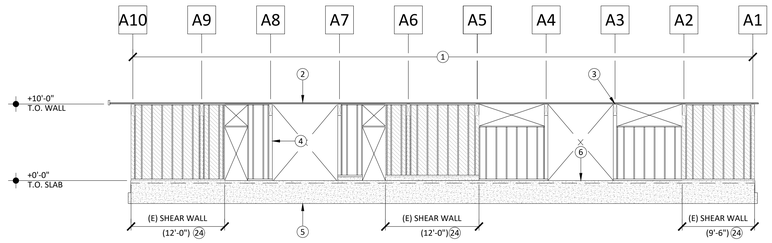


BUILDING A

EXISTING WALL ELEVATION

WALL ELEVATION-LINE AD.9 E

3/16" = 1'-0"

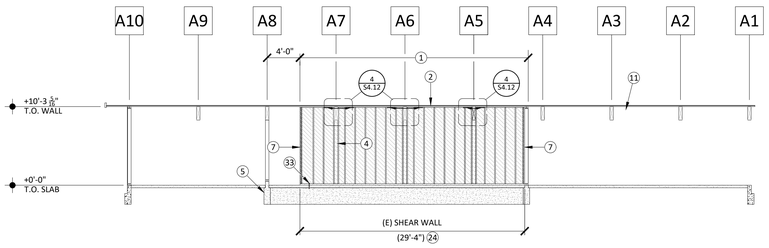


BUILDING A

EXISTING WALL ELEVATION

WALL ELEVATION-LINE BB C

3/16" = 1'-0"

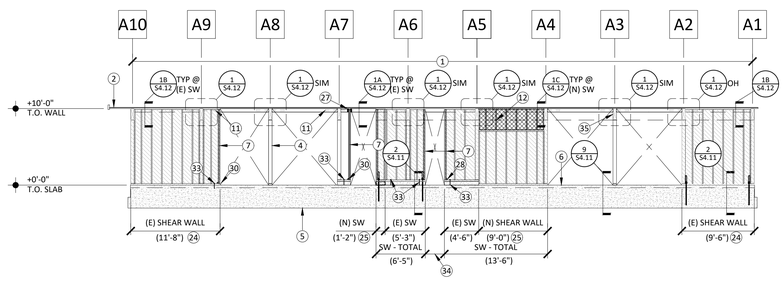


BUILDING A

MODIFIED WALL ELEVATION

WALL ELEVATION-LINE AD.9 E

3/16" = 1'-0"

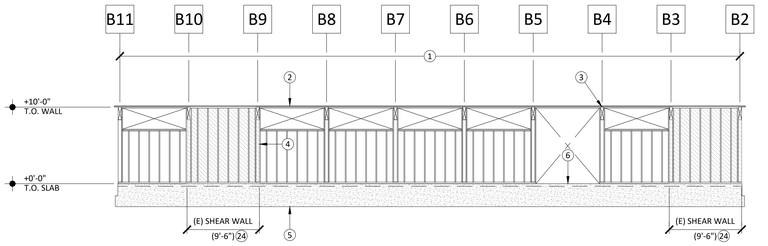


MODIFIED WALL ELEVATION

BUILDING A

WALL ELEVATION-LINE BB C

3/16" = 1'-0"

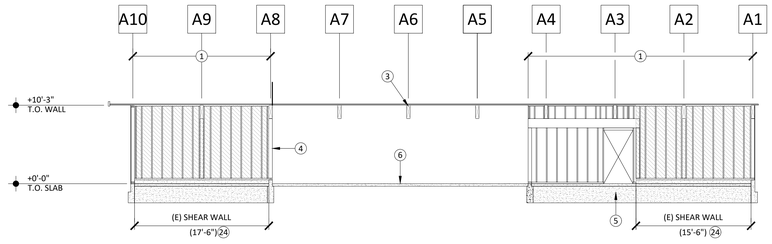


BUILDING B

EXISTING WALL ELEVATION

WALL ELEVATION-LINE BJ F

3/16" = 1'-0"

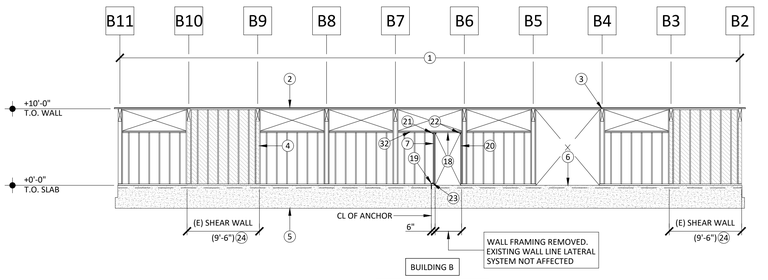


BUILDING A

EXISTING WALL ELEVATION

WALL ELEVATION-LINE AE D

3/16" = 1'-0"

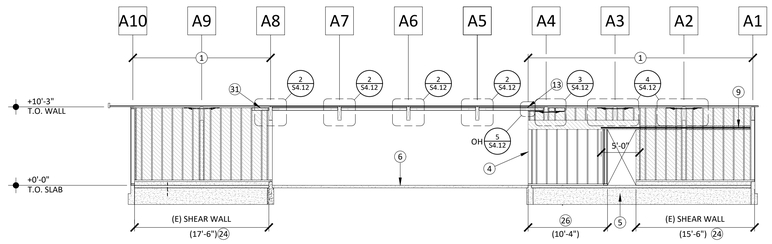


BUILDING B

MODIFIED WALL ELEVATION

WALL ELEVATION-LINE BJ F

3/16" = 1'-0"



BUILDING A

MODIFIED WALL ELEVATION

WALL ELEVATION-LINE AE D

3/16" = 1'-0"

ELEVATION LEGEND:

INDICATES EXTENT OF (E) WOOD SHEAR WALL USED FOR THE EXISTING LATERAL SYSTEM. (E) 1/2" SP W/ 8d @ 6"cc (MIN) (EN), 8d @ 12"cc (FIELD NAILING)

INDICATES EXTENT OF (N) 1/2" W/ 8d @ 6"cc, 8d @ 12"cc (FIELD NAILING).

ELEVATION NOTES:

1. REFER TO SHEETS S0.01 & S0.02 FOR TYPICAL NOTES & DETAILS.
2. CONTRACTOR SHALL COORDINATE ALL WORK CONTAINED HEREIN WITH ALL PROJECT WORK BY OTHERS INCLUDING CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL & PLUMPING.
3. REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF OPENING ELEVATIONS.

ELEVATION KEYNOTES:

1. EXISTING 2x6 STUDS @ 16"cc
2. EXISTING ROOF SHEATHING OVER T & G DECK
3. EXISTING GLU-LAM BEAM
4. EXISTING POST
5. EXISTING CONCRETE FOUNDATION
6. EXISTING CONCRETE SLAB
7. NEW 2-2x6 KINGSTUD/HD POST. FASTEN SP TO KING W/ 8d @ 6"cc (EN)
8. NEW CONCRETE FOOTING AT NEW HOLD DOWN
9. NEW CS14 x 20'-0" STRAP INSTALL OVER (E) BEAM & (N) 2x6 FLAT BLOCKING AS NEEDED. FASTEN W/ 8d @ 2 2/3"cc, STAGGERED
10. EXISTING POST PER PLAN
11. NEW DRAG TIE
12. NEW 2x6 @ 16"cc INFILL @ EXISTING WINDOW OPENING. PROVIDE 1/2" SHEATHING W/ 8d @ 6"cc (EN), 8d @ 12"cc
13. CUT (E) STUDS TO INSTALL (N) BLKG FOR DRAG TIE
14. NEW HOLDOWN PER S2.11
15. CS14 LAP SPLICE
16. NEW 6x8 HEADER
17. NEW 6x6 BLKG (3'-2" LONG)
18. EXISTING TOP PL TO ACT AS NEW DOOR HEADER
19. TITEN HD 1/2"Ø x 8" RETROFIT ANCHOR @ CUT SILL PL PER 5/S4.11
20. NEW 2x TRIMMER STUD. FASTEN TO EXISTING STUD W/ 16d @ 6"cc (STAGGERED)
21. A35 EACH SIDE OF NEW KINGSTUD
22. A35 FROM TRIMMER STUD TO EXISTING TOP PL
23. A35 KINGSTUD TO SILL PL
24. EXISTING 1/2"Ø x 12" ANCHOR BOLTS @ 32"cc
25. PROVIDE 1/2"Ø AB @ 32"cc PER 3/S4.11
26. SHEATH WALL FRAMING ABOVE HEADER TO MATCH SHEAR WALL
27. PROVIDE A35 EACH SIDE OF KINGSTUD TO DRAG MEMBER
28. PROVIDE A35 EACH SIDE OF KINGSTUD TO SILL PL
29. PROVIDE A35 EACH SIDE OF WINDOW SILL TO KINGSTUD
30. PROVIDE A35 KINGSTUD TO SILL PL
31. PROVIDE 6x6 (3'-0") BLKG BELOW TOP PL TO RECEIVE HARDWARE. FASTEN TO TO TOP PLATE W/ 4-LTP4 EACH SIDE OF BLKG
32. EXISTING DOUBLE 2x6 SILL PL
33. INSTALL TITEN HD 1/2"Ø x 8" PER ICC-ES 2713 WITHIN 9" FROM EDGE OF SILL PLATE. TORQUE TEST ANCHOR TO 100 LB-FT
34. REMOVE (E) SILL PL & CURB TO INSTALL (N) WINDOW. PROTECT END OF CUT REBAR W/ ZINC PAINT OR EPOXY RUST INHABITOR
35. SHORE (E) BEAM AND POST TO INSTALL RETROFIT BASE

IDENTIFICATION STAMP
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APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100
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916 325 1100 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

RW CONSULTING Engineers Inc
1450 HARBOR BLVD SUITE F
WEST SACRAMENTO, CA 95691
916.716.6910

REGISTERED PROFESSIONAL ENGINEER GREGORY T. REYNERS S-4555 CIVIL STATE OF CALIFORNIA

4-04-25

FACILITY:

LODI MIDDLE SCHOOL
945 SOUTH HAM LANE
LODI, CA 95242

PROJECT:

LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2

SHEET NAME:

WALL ELEVATIONS

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10**

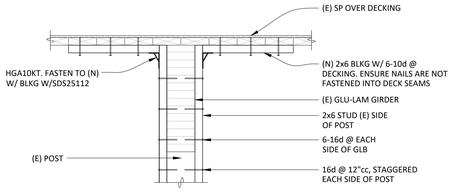
CLIENT PROJ NO: **3431007000**

SHEET:

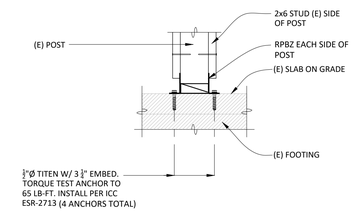
S3.12

PLEASE RECYCLE

THE LINE BROWN ABOVE IS EXACTLY 1" WHEN PLOTTED AT FULL SIZE SHEET 8 ORIGINAL MADE SIZE



DETAIL 7
1" = 1'-0"



DETAIL 8
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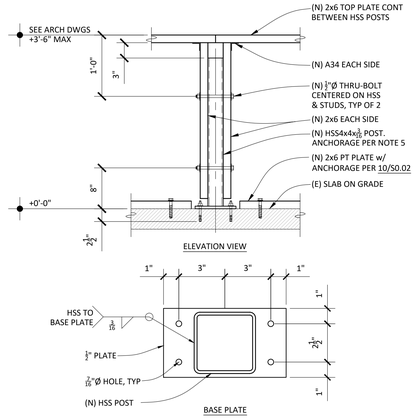
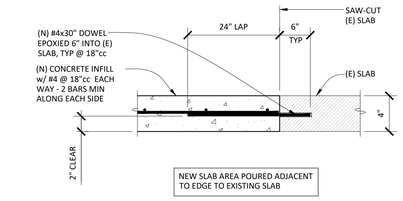


NOTES:

1. SEE ARCH DWGS FOR LAYOUT OF PARTIAL HEIGHT WALLS.
2. SEE S2.11 FOR LOCATIONS OF HSS POSTS
3. WALL FRAMING IS TO BE 2x6 @ 16"cc UNO PER ARCH DWGS.
4. WHERE CURVED WALLS OCCUR, TOP PLATE AND SILL PLATES ARE TO BE RADIUS CUT FROM 2x10 MATERIAL.
5. ANCHOR BOLTS FOR HSS COLUMN:
   A. ANCHORS ARE TO BE ¾"Ø STAINLESS STEEL HILTI KWIK BOLT TZ2 WITH 2½" MIN NOMINAL EMBEDMENT INSTALLED PER ICC-ES SER-4266.
   B. PERIODIC INSPECTION REQUIRED. TORQUE TEST EACH ANCHOR TO 30 LB-FT.

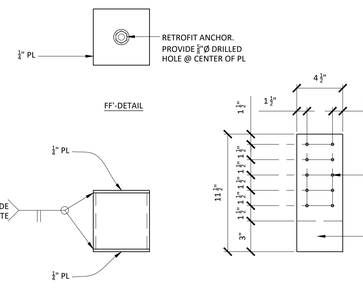
DETAIL 4
1" = 1'-0"



DETAIL NOTES:

1. ALL SLAB DEMO IS TO BE DONE BY FIRST SAW CUTTING SLAB.
2. WHERE VAPOR BARRIER IS ENCOUNTERED, PATCH EXISTING VAPOR BARRIER WITH 15 MIL STEGO AND SEAL ALL JOINTS
3. EXISTING SLAB IS 4" THICK WITH WWF OVER 6" OF CLEAN CRUSHED ROCK. PROVIDE UNDER-SLAB SUBSTRATE TO MATCH EXISTING CONDITIONS.
4. INSTALL EPOXIED REBAR WITH HILTI HIT-HY 200 V3 PER ICC ESR-4868. PERIODIC INSPECTION NOT REQUIRED .
5. WHERE NEW CONCRETE IS IN CONTACT WITH EXISTING CONCRETE, ROUGHEN AND CLEAN SURFACE, AND APPLY BONDING AGENT.

DETAIL 1
1" = 1'-0"



DETAIL 9
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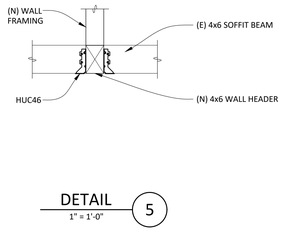

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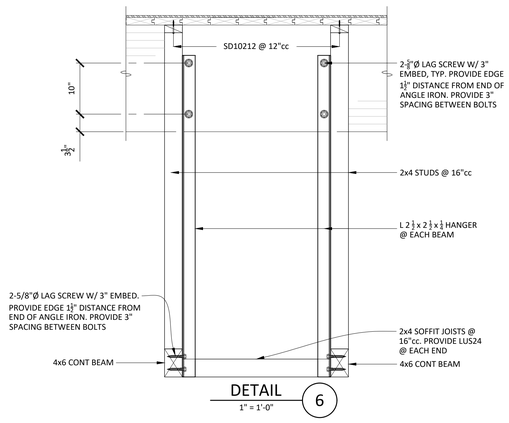

DETAIL 6
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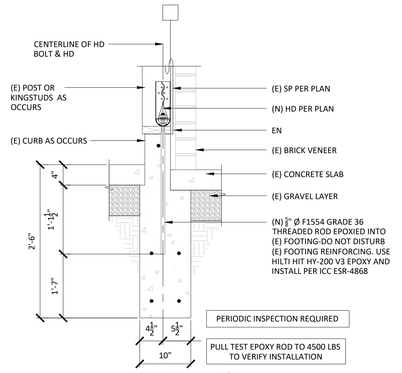

DETAIL 2
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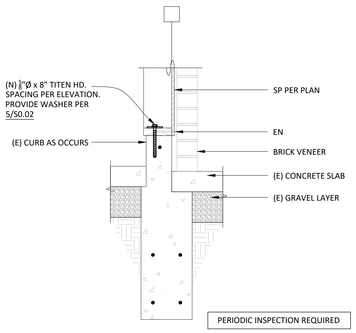

DETAIL 3
1" = 1'-0"

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DETAILS

CONSTRUCTION DOCUMENTS

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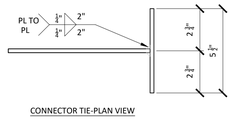
CLIENT PROJ NO.: **3431007000**

SHEET:

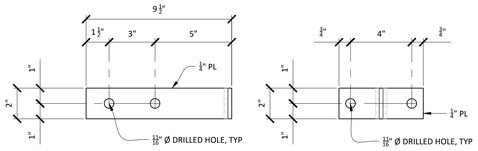
S4.11

PLEASE RECYCLE

IF THE LINE BROWN ABOVE IS NOT CONTINUOUS THIS SHEET IS ORIGINAL MADE SIZE



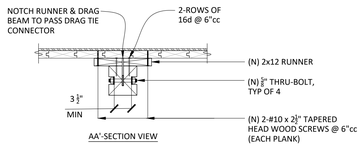
CONNECTOR TIE-PLAN VIEW



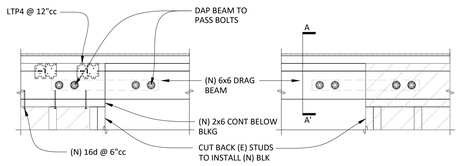
CONNECTOR TIE-SIDE VIEW

CONNECTOR TIE-END VIEW

DETAIL 7
3" = 1'-0"



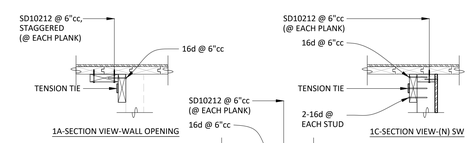
AA'-SECTION VIEW



ELEVATION VIEW-OPPOSITE FACE

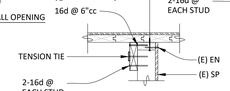
ELEVATION VIEW

DETAIL 5
1" = 1'-0"

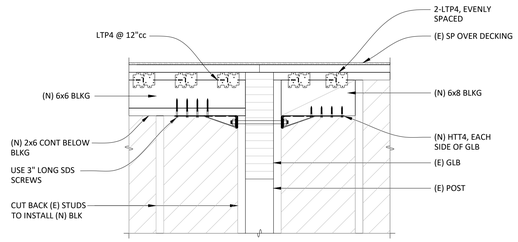


1A-SECTION VIEW-WALL OPENING

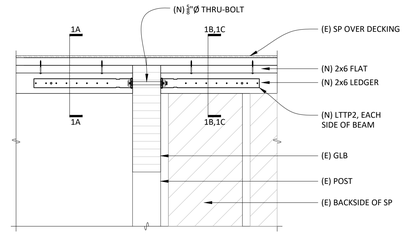
1C-SECTION VIEW-(N) SW



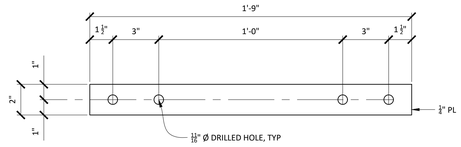
1B-SECTION VIEW-(E) SW



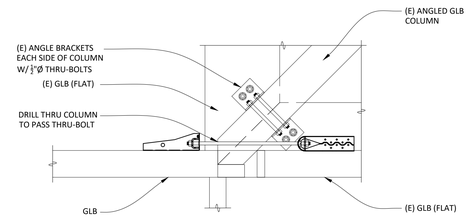
ELEVATION VIEW - OPPOSITE FACE



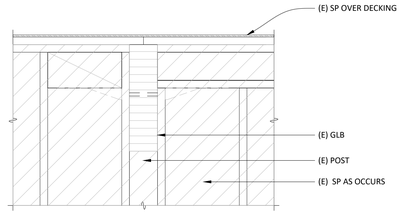
ELEVATION - INTERIOR VIEW



DETAIL 8
3" = 1'-0"

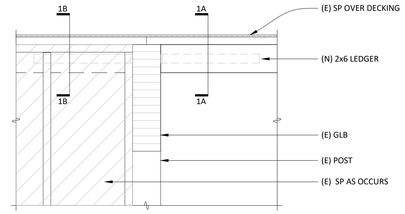


PLAN VIEW



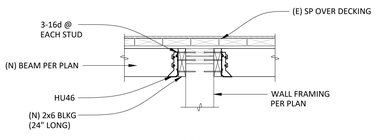
ELEVATION VIEW

DETAIL 3
1" = 1'-0"

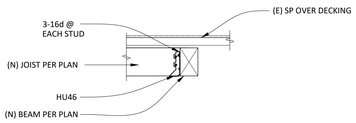


ELEVATION - EXTERIOR VIEW

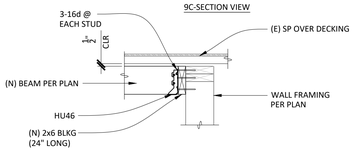
DETAIL 1
1" = 1'-0"



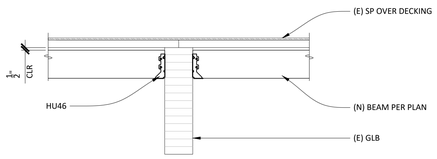
9D-SECTION VIEW



9C-SECTION VIEW

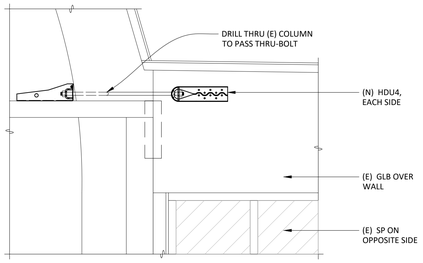


9B-SECTION VIEW

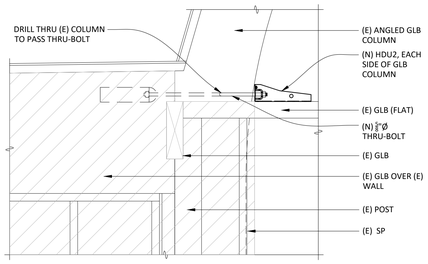


9A-SECTION VIEW

DETAIL 9
1" = 1'-0"

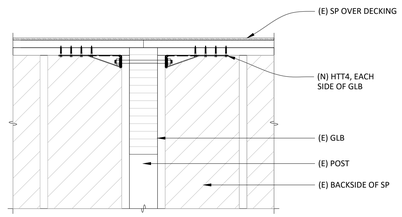


ELEVATION VIEW - OPPOSITE FACE

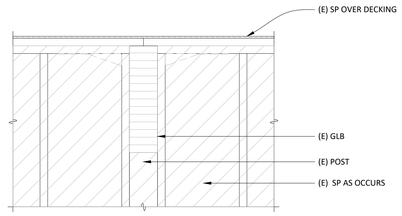


ELEVATION VIEW

DETAIL 6
1" = 1'-0"



ELEVATION VIEW - OPPOSITE FACE



ELEVATION VIEW

DETAIL 4
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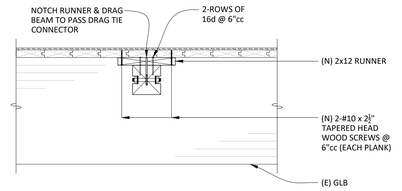
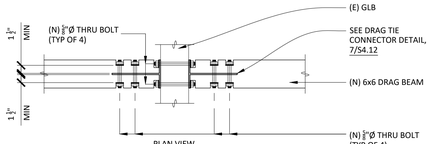
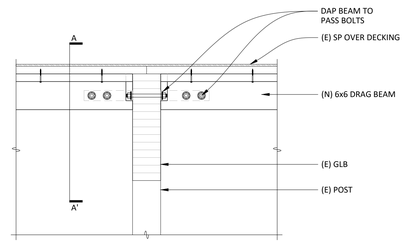


SECTION - AA'



PLAN VIEW



ELEVATION

DETAIL 2
1" = 1'-0"

PLEASE RECYCLE

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REGISTERED PROFESSIONAL ENGINEER GREGORY T. RUSSELL S-4555 STATE OF CALIFORNIA
4-04-25

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE
LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2

SHEET NAME:
DETAILS

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SHEET:
S4.12

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ARCH D SHEETS ORIGINAL PAGE SIZE IS 24"X36"

PLUMBING GENERAL NOTES

1. ACCESS PANELS SHALL BE PROVIDED AS NECESSARY TO PROPERLY ACCESS THE PLUMBING SYSTEM INCLUDING VALVES, REFER TO SPECIFICATION SECTION 22 00 50.
2. OFFSET VENT THROUGH ROOFS 10'-0" MINIMUM FROM AIR INTAKES AND 4'-0" FROM OUTSIDE WALLS.
3. HVAC EQUIPMENT IS SHOWN FOR THE COORDINATION OF UTILITIES ONLY. REFER TO 'M' SHEETS FOR MORE INFORMATION.
4. THE CONNECTION OF NATURAL GAS LINES TO EQUIPMENT SHALL INCLUDE A LINE SIZE SHUT-OFF VALVE, UNION AND A MINIMUM 6" LONG DIRT LEG WITH ACCESSIBLE END CAP.
5. THE CONNECTION OF CONDENSATE DRAIN LINES TO HVAC EQUIPMENT SHALL INCLUDE A MINIMUM 4" DEEP "P"-TRAP AND PLUGGED TEE AT ALL OFFSETS.
6. PROVIDE WATER HAMMER ARRESTORS (WHA) AS INDICATED ON PLUMBING PLANS AND/OR AS DESCRIBED WITHIN DIVISION 22 SPECIFICATIONS. SIZING SHALL BE IN ACCORDANCE WITH PDI STANDARD WH-201.
7. FOR PIPES PASSING THROUGH, UNDER OR PARALLEL TO BUILDING FOOTINGS, RETAINING WALLS ETC. REFER TO STRUCTURAL DETAILS, 'S' SHEETS, FOR TYPICAL ARRANGEMENT.
8. CONTRACTOR SHALL FIELD VERIFY ALL POINTS OF CONNECTION TO SITE PIPING (LOCATIONS AND INVERT) PRIOR TO EXCAVATION, FABRICATION AND INSTALLATION OF ASSOCIATED PIPING RUNS. NOTIFY ARCHITECT AND OR ENGINEER IMMEDIATELY IF POINTS OF CONNECTION OR INVERTS ARE DIFFERENT THAN REPRESENTED ON THE DRAWINGS.
9. OFFSET ALL RISERS AND DROPS TO AVOID PENETRATIONS AT TOP PLATES.
10. PENETRATION OF PIPES, CONDUIT, ETC., IN WALLS AND/OR FLOORS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE STATE FIRE MARSHAL.
11. SEAL ALL PIPE PENETRATIONS THRU FLOORS WATERTIGHT.
12. DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC ONLY. CONTRACTOR SHALL FIELD VERIFY WHERE POSSIBLE, EXACT LOCATIONS, SIZES, AND ELEVATIONS OF ALL ITEMS SHOWN PRIOR TO THE INSTALLATION OF ANY NEW WORK.
13. THE DRAWINGS ARE NOT INTENDED TO SHOW EVERY OFFSET OR FITTING OR EVERY STRUCTURAL DIFFICULTY THAT MAY BE ENCOUNTERED DURING INSTALLATION OF THE WORK. LOCATION OF ALL ITEMS NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. EXACT LOCATIONS NECESSARY TO SECURE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT THE JOB SITE AND SHALL HAVE THE APPROVAL OF THE ARCHITECT BEFORE BEING INSTALLED.
14. ALL VALVES SHOWN SHALL BE FULL LINE SIZE UNLESS OTHERWISE NOTED.
15. CLOSELY COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO TRENCHING OR INSTALLATION OF NEW. IDENTIFY SIZE AND LOCATIONS OF ALL PENETRATIONS THROUGH FOUNDATIONS, WALLS OR ROOFS PRIOR TO FABRICATION OF ANY SYSTEMS OR ORDERING MATERIALS AFFECTED BY POSSIBLE COORDINATION CONFLICTS.
16. CONCRETE ANCHORS SHALL BE HILTI, KWIK BOLT TZ2 3/8" WITH EMBEDMENT AS PER STRUCTURAL PLANS. ANCHORS SHALL BE INSTALLED AND TESTED PER "POST INSTALLED ANCHOR NOTES", SHEET S0.01.
17. PIPING SHALL BE SUPPORTED AND BRACED IN STRICT COMPLIANCE WITH DIVISION 22 SPECIFICATIONS.
18. PENETRATION OF PIPES, CONDUITS, ETC., IN WALLS AND/OR FLOORS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE STATE FIRE MARSHAL.
19. ALL NEW SANITARY WASTE PIPING SHOWN SHALL BE SLOPED AT 1/4" PER FOOT MINIMUM UNLESS OTHERWISE NOTED ON PLANS. WHERE SLOPES LESS THAN 1/4" PER FOOT ARE INDICATED, CONTRACTOR SHALL SLOPE NEW PIPING UNIFORMLY BETWEEN UPPER TERMINAL OF PIPE AND THE POINT OF CONNECTION TO THE SITE PIPING (AS INDICATED ON THE CIVIL PLANS) TO ACHIEVE MAXIMUM SLOPE POSSIBLE AND IN NO CASE SHALL THE PIPING BE SLOPED LESS THAN THE MINIMUM INDICATED.
20. CONCEAL ALL PIPING IN WALL FURRING, PARTITIONS, ETC., EXCEPT AT MECHANICAL ROOMS.
21. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS AND EXACT LOCATIONS OF PLUMBING FIXTURES.

MEP DISTRIBUTION SYSTEM BRACING NOTES FOR PIPING, DUCTWORK, & ELECTRICAL CONDUIT

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.126.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☒ E ☐ OPTION 1: PROJECT-SPECIFIC DESIGN.

MP ☐ MD ☐ PP ☐ E ☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.

MP ☐ MD ☐ PP ☐ E ☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTION SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

FIRESTOPPING

1. PACK THE ANNULAR SPACE BETWEEN THE PIPE SLEEVES AND THE PIPE THROUGH ALL FLOORS AND WALLS WITH UL LISTED FIRE STOP, AND SEALED AT THE ENDS. ALL PIPE PENETRATIONS SHALL BE UL LISTED, HILTI, 3M PRO-SET, OR EQUAL.
   A. INSTALL FIRE CAULKING BEHIND MECHANICAL SERVICES INSTALLED WITHIN FIRE RATED WALLS, TO MAINTAIN CONTINUOUS RATING OF WALL CONSTRUCTION.
2. PROVIDE SPECSEAL SYSTEMS UL FIRE RATED SLEEVE/COUPLING PENETRATORS FOR EACH PIPE PENETRATION OR FIXTURE OPENING PASSING THROUGH FLOORS, WALLS, PARTITIONS OR FLOOR/CEILING ASSEMBLIES. ALL PENETRATORS SHALL COMPLY WITH UL FIRE RESISTANCE DIRECTORY (LATEST EDITION), AND IN ACCORDANCE WITH CHAPTER 7, CBC REQUIREMENTS.
3. SLEEVE PENETRATORS SHALL HAVE A BUILT IN ANCHOR RING FOR WATERPROOFING AND ANCHORING INTO CONCRETE POURS OR USE THE SPECIAL FIT CORED HOLE PENETRATOR FOR CORED HOLES.
4. COPPER AND STEEL PIPING SHALL HAVE SPECSEAL PLUGS ON BOTH SIDES OF THE PENETRATOR TO REDUCE NOISE AND TO PROVIDE WATERPROOFING.
5. ALL ABOVE SYSTEMS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
6. ALTERNATE FIRESTOPPING SYSTEMS ARE ACCEPTABLE IF APPROVED EQUAL. HOWEVER, ANY DEVIATION FROM THE ABOVE SPECIFICATION REQUIRES THE CONTRACTOR TO BE RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE PROPOSED PRODUCTS AND THEIR INTENDED USE, AND THE CONTRACTOR SHALL ASSUME ALL RISKS AND LIABILITIES WHATSOEVER IN CONNECTION THEREWITH.

PLUMBING FIXTURE SCHEDULE

FIXTURE TAG	ADA	DESCRIPTION	FIXTURE MANUFACTURER AND MODEL NO.	FAUCET OR VALVE MANUFACTURER AND MODEL NO.	TRIM MANUFACTURER AND MODEL NO.	VENT	WASTE	WASTE	COLD WATER	COLD WATER	HOT WATER	HOT WATER	REMARKS
							BRANCH	OUTLET	BRANCH	OUTLET	BRANCH	OUTLET	
FD		FLOOR DRAIN	"ZURN" MODEL Z-415BL, OR EQUAL, NICKEL BRONZE WITH ADJUSTABLE STRAINER			2"	2"	2"	-	-	-	-	
L-1	YES	LAVATORY WALL MOUNTED HOT AND COLD WATER STD/ACCESSIBLE	"AMERICAN STANDARD" LUCERNE NO. 0355.012, WALL HUNG, VITREOUS CHINA WITH CONTOURED BACK AND SIDE SPLASH SHIELDS, FRONT OVERFLOW, CONCEALED ARM RECESS, 4" CENTERS, 20" x 18" D SHAPED BOWL.	"CHICAGO" 3600-E2805AB FAUCET, PUSH LEVER WITH AERATOR WITH 0.5 GPM FLOW RATE. WITH VANDAL RESISTANT ECONO-FLO SPRAY OUTLET. WITH IPS CONNECTIONS, ADA COMPLIANT. SET MAXIMUM WATER TEMPERATURE STOP TO RESTRICT WATER TEMPERATURE TO 110Â° F.	ADA COMPLIANT. LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, INTEGRAL PERFORATED GRID NO. 7723.018, CHROME FINISH. MOUNT P-TRAP FLUSH TO WALL. CARRIER: "J R SMITH" 0700 OR ZURN Z1231EZ	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. PROVIDE CONCEALED ARMS AND FLOOR SUPPORT, WITH FEET OF SUPPORT SECURELY ANCHORED TO FLOOR. IN ADDITION ANCHOR TOP OF SUPPORT TO WALL CONSTRUCTION.
RIM		REFRIGERATOR ICE MAKER	"GUY GRAY" MODEL SSIB2AB LEAD FREE ICE MAKER HOOK-UP, WITH 1/2" FIP INLET AND 1/4" COMPRESSION OUTLET.	INTEGRAL	INTEGRAL	-	-	-	1/2"	1/4"	-	-	PROVIDE STAINLESS STEEL BOX AND STAINLESS STEEL FACE PLATE
S-1	YES	SINK COUNTER MOUNTED HOT AND COLD WATER ADMIN/CONF./NURSE	"ELKAY" MODEL LRADQ221965 19-1/2" FRONT TO BACK, 22" WIDE x 6-1/2" DEPTH OVERALL 18 GAUGE STAINLESS STEEL, LEDGE BACK WITH SELF-RIM. PROVIDE SINGLE FAUCET HOLE. PROVIDE REAR DRAIN LOCATION. PROVIDE FACTORY ADHERED VANDAL RESISTANT BACKING PLATE AT FAUCET, AND SLOT AT FAUCET FOR VANDAL RESISTANT PINS.	"CHICAGO" ECAST MODEL 50-E35VPABCP GOOSENECK FAUCET, 1.5 GPM VANDAL RESISTANT LAMINAR FLOW AERATOR AND RIGID/SWING FAUCET. PROVIDE VANDAL RESISTANT PIN IN FAUCET, ARRANGED TO MATE WITH SLOT IN SINK.	"ELKAY" MODEL LKAD35, OFFSET CRUMB CUP STRAINER WITH REMOVABLE BASKET AND P-TRAP. INSTALL P-TRAP FLUSH TO WALL.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"	
TP		TRAP PRIMER	"MIFAM" M-500 SERIES, "PRECISION PLUMBING PRODUCTS" PRIME-RITE, OR "SIOUX CHIEF MANUFACTURING CO." PRIME PERFECT.	INTEGRAL	INTEGRAL	-	-	-	1/2"	1/2"	-	-	PROVIDE SHEET METAL BOX WITH ACCESS DOOR. SIZE ACCESS DOOR AND BOX TO SUIT VALVE OPERATION. SOLDER ALL SEAMS OF BOX. SEAL ALL PENETRATIONS TO BOX. SEE SPECIFICATIONS AND DETAIL3/P5.01.
WC-1	YES	WATER CLOSET WALL MOUNTED FLUSH VALVE ACCESSIBLE	"AMERICAN STANDARD" AFWALL NO. 3351.101, 1.28 GPF WALL HUNG, VITREOUS CHINA, ELONGATED, SIPHON JET ACTION, 1-1/2" TOP SPUD, EVERCLEAN SURFACE.	"SLOAN" ROYAL 111-1.28SG, ADA COMPLIANT, 1.28 GPF (MANUAL), TOP SPUD, SINGLE FLUSH, SANIGARD HANDLE "SLOAN" ROYAL SFSM 111-1.28, ADA COMPLIANT, 1.28 GPF (BATTERY SIDE) "SLOAN" G2 OPTIMA PLUS 8111-1.28, ADA COMPLIANT, 1.28 GPF (BATTERY TOP)	SEAT: "CHURCH" MODEL 295SSCT OR "BEMIS" MODEL 195SSSCT, PROVIDE WITH SELF- SUSTAINING CONCEALED CHECK HINGES, ONE PIECE STAINLESS STEEL POST HINGES, WHITE COLOR. CARRIER: "J.R. SMITH" 100 OR 200 SERIES OR "ZURN" Z1203 AND Z1304 SERIES PROVIDE REAR SUPPORT LUG AND ANCHOR FOOT ASSEMBLY.	2"	4"	4"	1-1/2"	1"			MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH VALVE HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.

INSTANTANEOUS WATER HEATER SCHEDULE

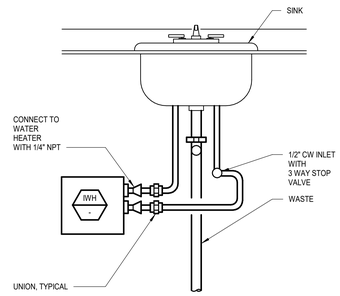
EQUIPMENT TAG	MFR	MODEL NO	LOCATION	TEMP RISE (F)	FLOW (GPM)	TEMP SETTING (F)	VOLT	PHASE	MOUNTING DETAIL	OPER WT (LBS)	REMARKS
IWH-A1	CHRONOMITE	CMI-15L/208	NURSE TOILET A117	61	0.350	115	208	1	1/P0.1	8	
IWH-A2	CHRONOMITE	CMI-15L/208	NURSE EXAM A116	61	0.350	115	208	1	1/P0.1	8	
IWH-A3	CHRONOMITE	CMI-20L/208	WOMEN A101	57	0.500	115	208	1	1/P0.1	8	
IWH-A4	CHRONOMITE	CMI-20L/208	MEN A103	57	0.500	115	208	1	1/P0.1	8	
IWH-A5	CHRONOMITE	CMI-40L/208	JANITOR A102	57	1.000	115	208	1	1/P0.1	8	
IWH-B1	CHRONOMITE	CMI-15L/208	TEACHERS' LOUNGE B109	61	0.350	115	208	1	1/P0.1	8	

PLUMBING ABBREVIATIONS

ABBREVIATION	DESCRIPTION
(N)	NEW
ABC, ABV	ABOVE CEILING, ABOVE
AC	AIR CONDITIONING
ACC DR, AP	ACCESS DOOR, ACCESS PANEL
AD	AREA DRAIN
ADA	AMERICAN WITH DISABILITIES ACT
AF, AFF, AFG	ABOVE FLOOR, ABOVE FINISHED FLOOR, ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BLDG	BUILDING
BLW	BELOW
BTUH, BTU(H)	BRITISH THERMAL UNITS PER HOUR
BV	BALL VALVE
CC	CENTER TO CENTER
CD	CONDENSATION DRAIN
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CO	CLEANOUT
COL	COLUMN
CONN, CONT	CONNECTION, CONTINUATION
CONTR	CONTRACTOR
COTG	CLEANOUT TO GRADE
CV	CHECK VALVE
DEG	DEGREE
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT
DLA, DIAMETER SYMBOL	DIAMETER, DIAMETER OR PHASE
DN	DOWN
DWG	DRAWING
EEOR	ELECTRICAL ENGINEER OF RECORD
EL	ELEVATION
ELEC	ELECTRICAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
F	DEGREES FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FF, FFE, FLR	FINISHED FLOOR OR FLY FAN, FINISHED FLOOR ELEVATION, FLOOR
FIN	FINISH
FLA	FULL LOAD AMPS
FS	FLOOR SINK
FT, FT ('), /FT	FLUSH TANK, FEET, PER FOOT
FU	FIXTURE UNIT
FV	FLUSH VALVE
G	NATURAL GAS
GA	GAUGE
GAL, GPF, GPH, GPM	GALLONS, GALLONS PER FLUSH, GALLONS PER HOUR, GALLONS PER MINUTE
GALV, GI	GALVANIZED, GALVANIZED IRON
GCK	GAUGE COCK
GRD	GRADE
HCAI	HEALTH CARE ACCESS AND INFORMATION DEPARTMENT
HR	HOUR
HS	HAND SINK
HT	HEIGHT
HTG, HTR	HEATING, HEATER
HW	HOT WATER
Hz	HERTZ
IE OR INV	INVERT ELEVATION
IN (")	INCH
KEC, KEF	KITCHEN EQUIPMENT CONTRACTOR, KITCHEN EXHAUST FAN
KS	KITCHEN SINK
KW, KWH	KILOWATTS, KILOWATT HOUR
LAV	LAVATORY
LBS	POUNDS
LRA	LOCKED ROTOR AMPS
MAX	MAXIMUM
MBH	THOUSAND BTUs PER HOUR
MCA	MINIMUM CIRCUIT CAPACITY
MECH	MECHANICAL
MEOR	MECHANICAL ENGINEER OF RECORD
MFR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPG	MEDIUM PRESSURE GAS
MS	MOP SINK
MTD	MOUNTED
NC, NO	NORMALLY CLOSED, NORMALLY OPEN
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NTS	NOT TO SCALE
OC	ON CENTER
OD	OVERFLOW DRAIN
OFCI, OFOI	OWNER FURNISHED & CONTRACTOR INSTALLED, OWNER FURNISHED & OWNER INSTALLED
OH	OVERHEAD
PH OR DIAMETER SYMBOL	PHASE
PLBG	PLUMBING
PO	PLUGGED OUTLET
POC	POINT OF CONNECTION
POD	POINT OF DISCONNECTION
PRS, PS	PRE-RINSE SINK, POT SINK
PRV	PRESSURE REDUCING VALVE
PSI (G) (A)	POUNDS PER SQUARE INCH (GAUGE) (ABSOLUTE)
RD	ROOF DRAIN
RE	RIM ELEVATION
REC	RECESSED
RET	RETURN
REV	REVISION
RLA	RATED LOAD AMPS OR RUNNING LOAD AMPERES
RM	ROOM
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RWL	RAIN WATER LEADER
S or SK	SINK
SD	STORM DRAIN
SEOR	STRUCTURAL ENGINEER OF RECORD
SM	SHEET METAL
SOV	SHUT OFF VALVE
SPEC	SPECIFICATION
SQ FT or FT2, SQ IN or IN2	SQUARE FEET, SQUARE INCHES
SS	SERVICE SINK, SANITARY SEWER
SS	STAINLESS STEEL
STD	STANDARD
STRUC	STRUCTURAL
TEMP	TEMPERATURE
TMV	THERMOSTATIC MIXING VALVE
TP, TSP	TRAP PRIMER, TOTAL PRESSURE, TOTAL STATIC PRESSURE
TW	TEMPERED WATER
TYP	TYPICAL
UF, UG, US	UNDER FLOOR, UNDERGROUND, UNDER SLAB
UL	UNDERWRITERS' LABORATORIES
UON	UNLESS OTHERWISE NOTED
UR	URINAL
UTR	UP THROUGH ROOF
V, VR, VTR	VENT, VENT RISER, VENT THRU ROOF
VLV, VO	VALVE, VALVED OUTLET
VSD	VARIABLE SPEED DRIVE
W	WASTE
W	WATTS
W/, W/O	WITH, WITHOUT
WALL MTD (R)	WALL MOUNTED (RECESSED)
WB	WALL BOX
WC, WC/L, W, WH	WATER CLOSET, WATER CLOSET & LAVATORY, WATER FOUNTAIN, WALL HYDRANT
WCO	WALL CLEANOUT
WP, WPD	WORKING PRESSURE, WATER PRESSURE DROP IN FEET OF WATER COLUMN
WSFU	WATER SUPPLY FIXTURE UNIT
WT	WEIGHT

PLUMBING SYMBOLS

SYMBOL	SYMBOL DESCRIPTION
	3 WAY MODULATING CONTROL VALVE
	3 WAY TWO POSITION CONTROL VALVE
	ANGLE GLOBE VALVE
	ANGLE VALVE
	AQUASTAT
	AREA DRAIN
	FLOOR SINK
	FLOW ARROW
	GAGE COCK
	GAS COCK, PLUG COCK
	GLOBE VALVE
	HOPPER DRAIN
	HOSE BIBB
	HOSE BIBB
	LIMIT OF DEMOLITION
	PIPE BREAK
	PIPE CAP
	PIPE DOWN
	PIPE GUIDE
	PIPE UP
	POINT OF CONNECTION
	POST INDICATOR VALVE
	PRESSURE REGULATING VALVE
	PRESSURE RELIEF VALVE
	REDUCER
	SOLENOID VALVE
	STRAINER
TS X	TEMPERATURE SENSOR
	TEST PLUG
	THERMOMETER
	TRAP PRIMER
	TWO POSITION CONTROL VALVE
	UNION
	VALVE IN RISE/DROP
	VALVE IN VALVE BOX
	WALL CLEANOUT
	WATER HAMMER ARRESTOR
WM	WATER METER



1 / P0.1 INSTANTANEOUS WATER HEATER
SCALE: 1" = 1'-0"

AGENCY APPROVAL:

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DATE: 04/11/2025

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Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

capital engineering
RANCHO CORDOVA, CALIFORNIA
MCM - BV (PM - DESIGN TEAM) 240047.00 (PROJECT NO.)

PROFESSIONAL MECHANICAL ENGINEER STATE OF CALIFORNIA EXPIRES 9/30/26
DATE SIGNED: 4/3/2025

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE
LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
PLUMBING LEGENDS, NOTES, AND SCHEDULES

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**
SHEET:

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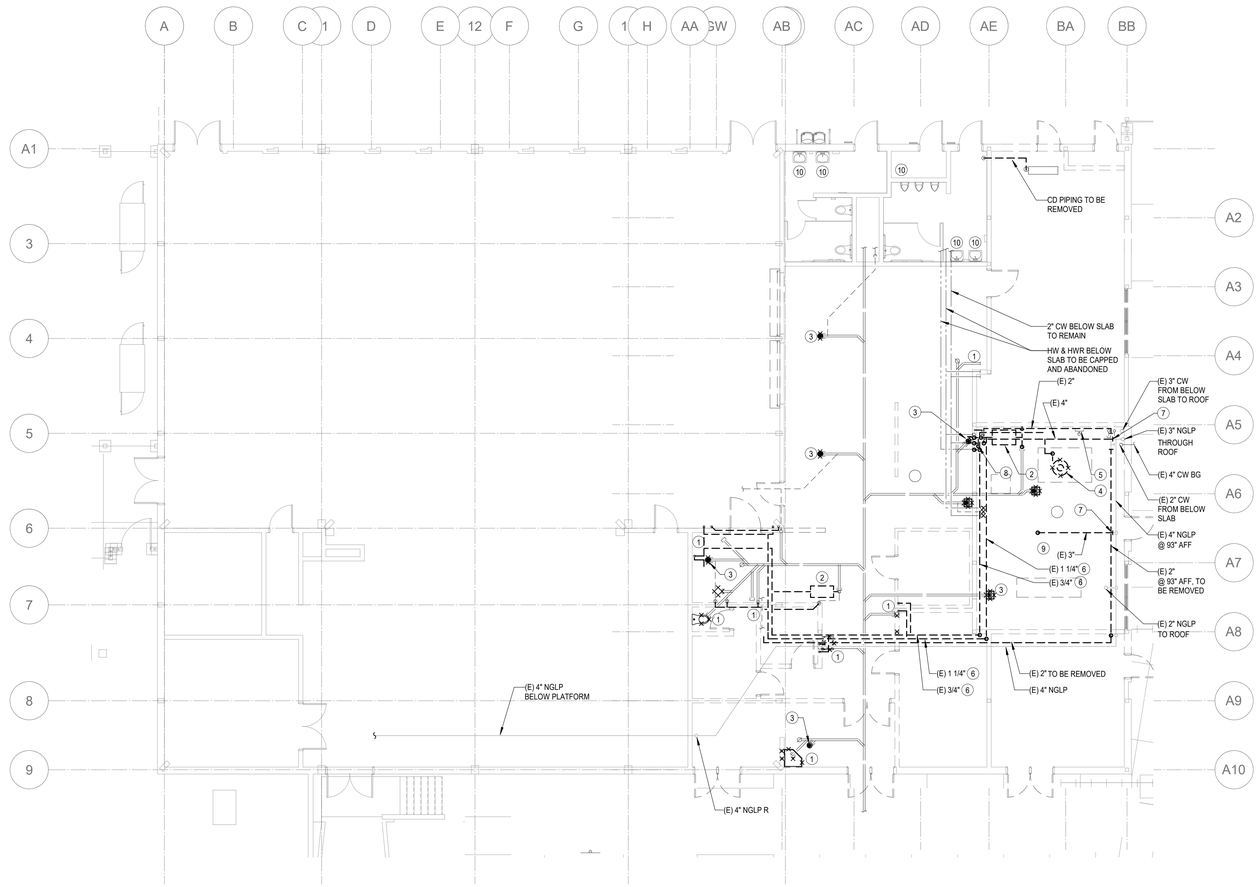
KEYNOTES

1 FIXTURE TO BE REMOVED. REMOVE W, V, CW, HW AND CAP BEHIND ARCHITECTURAL SURFACES.
2 GERASE INTERCEPTOR TO BE REMOVED. REMOVE WASTE AND VENT PIPING, CAP BEHIND ARCHITECTURAL SURFACES.
3 FLOOR SINK/FLOOR DRAIN TO BE REMOVED. CAP W AND V BELOW SLAB.
4 DOMESTIC WATER HEATER AND APPURTENANCES TO BE REMOVED.
5 REMOVE BACKFLOW PREVENTER, ASSOCIATED PIPING BACK TO MAIN, AND DRAIN LINE TO FLOOR DRAIN.
6 REMOVE HW AND HWR PIPING ABOVE FLOOR. CAP BELOW SLAB SURFACE.
7 CAP GAS LINE AND REMOVE BEYOND.
8 CAP GAS LINE BELOW SLAB SURFACE AND REMOVE ABOVE FLOOR.
9 REMOVE ALL HOUSEKEEPING PADS.
10 DISCONNECT FIXTURE FROM HW PIPING. CAP HW PIPING IN WALL. PREPARE FIXTURE FOR CONNECTION TO NEW HW PIPING, SEE 1/PA2.2.



1 PA2.1 PLUMBING DEMOLITION FLOOR PLAN - BLDG A
SCALE: 1/8" = 1'-0"

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240047.00 PROJECT NO.

PROFESSIONAL ENGINEER
EXPIRES 9/30/26
MECHANICAL
STATE OF CALIFORNIA
DATE SIGNED: 4/3/2025

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE
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PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
PLUMBING DEMOLITION FLOOR PLAN - BLDG A

CONSTRUCTION DOCUMENTS

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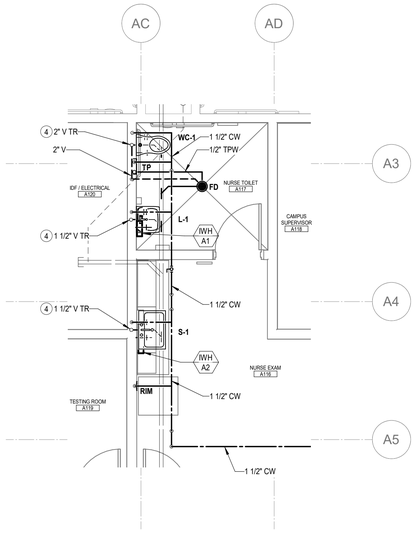

KEYNOTES

1 RUN TIGHT TO BOTTOM OF ROOF STRUCTURE.
2 2" CW, DROP TO BELOW FLOOR AND CONNECT TO (E) 2" CW BELOW FLOOR.
3 CONNECT IWH HW PIPING TO EXISTING FIXTURE(S).
4 FOR VENT THROUGH ROOF FLASHING SEE ARCHITECTURAL DETAIL 3/A10.41-2.

2 PA2.2 ENLARGED PLUMBING FLOOR PLAN - BLDG A

SCALE: 1/4" = 1'-0"

1 PA2.2 PLUMBING FLOOR PLAN - BLDG A

SCALE: 1/8" = 1'-0"

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Δ	DESCRIPTION	DATE

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240047.00 — PROJECT NO.

PROFESSIONAL ENGINEER — MECHANICAL — EXPIRES 9/30/26 — STATE OF CALIFORNIA
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Author
SHEET NAME:
PLUMBING FLOOR PLAN - BLDG A

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

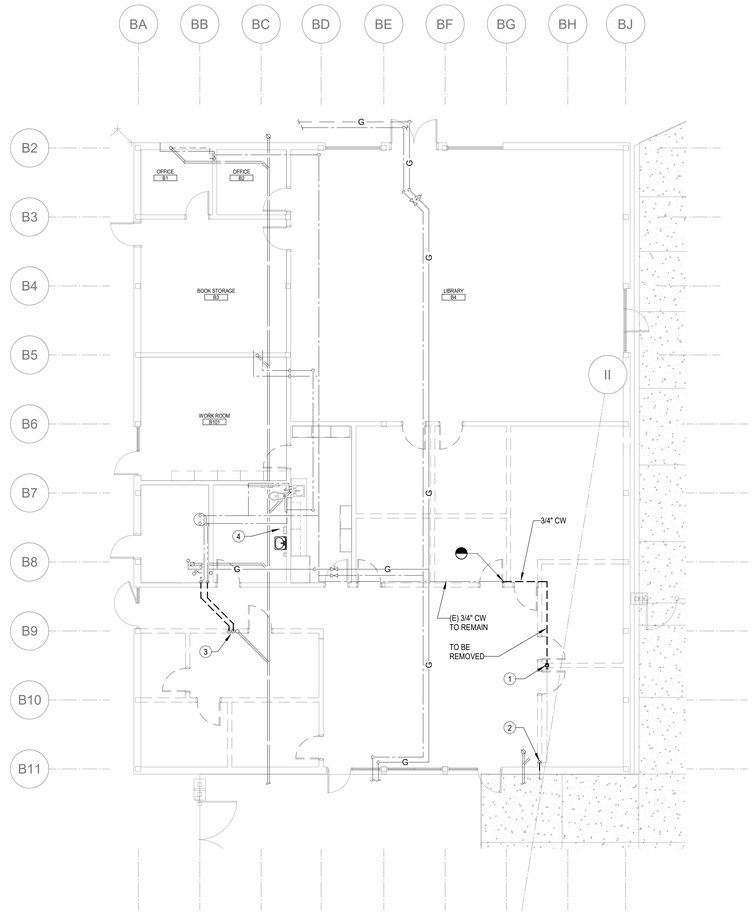
SHEET:

PA2.2

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ORIGINAL DRAWING. IF NOT, ADJUST SCALES ACCORDINGLY

KEYNOTES

1 REMOVE PIPE TO BELOW FLOOR, CAP AND ABANDON BEYOUND.
2 REMOVE PIPE FROM HOSE BIBB TO BELOW FLOOR, CAP AND ABANDON BEYOUND. HOSE BIBB TO REMAIN.
3 REMOVE PIPING IN DEMOLISHED WALL. REMOVE CW AND HW PIPING BRANCHES ABOVE CEILING AND TEE AND MAIN. CAP SS BELOW FLOOR. CAP V ABOVE CEILING.
4 FIXTURE TO BE REMOVED. PREPARE PIPING FOR EXTENSION AND CONNECTION TO NEW FIXTURE. SEE PB2.2.



1 PB2.1 PLUMBING DEMOLITION FLOOR PLAN - BLDG B

SCALE: 1/8" = 1'-0"

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

capital engineering
RANCHO CORDOVA, CALIFORNIA
MCM - BV PM - DESIGN TEAM
240047.00 PROJECT NO.

PROFESSIONAL ENGINEER — MECHANICAL — EXPIRES 9/30/26 — STATE OF CALIFORNIA

DATE SIGNED: 4/3/2025

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE
LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
PLUMBING DEMOLITION FLOOR PLAN - BLDG B

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10**
CLIENT PROJ NO: **3431007000**
SHEET:

PB2.1

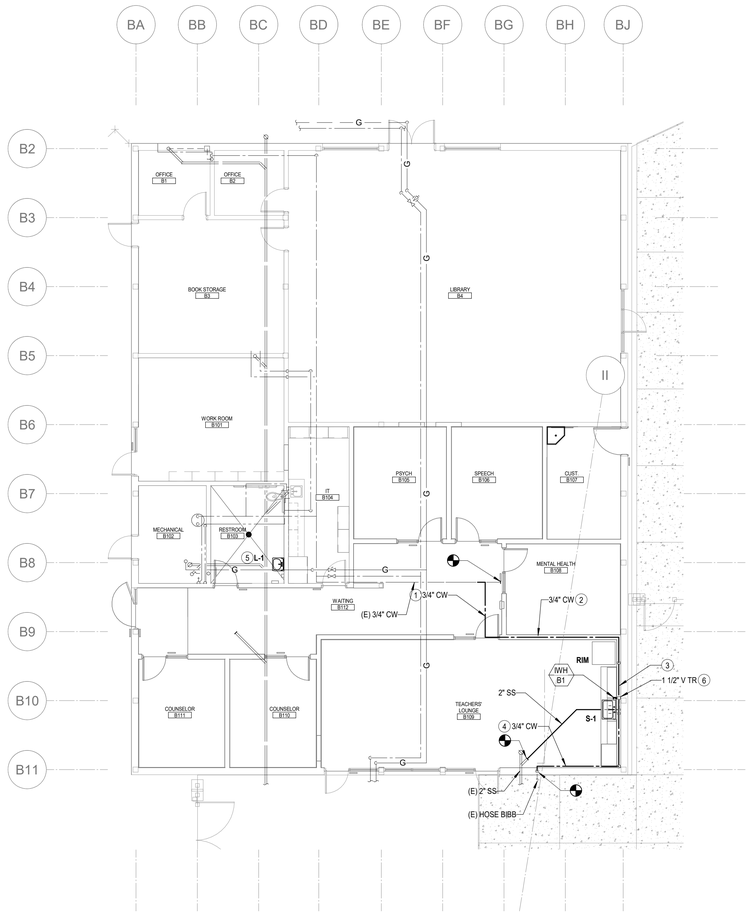
Autodesk Docs://3431007000 Lodi MS Additions/240047_Lodi MS Exp Mod_MEP2_Central.rvt
4/3/2025 9:54:15 AM

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ARCH D SHEETS ORIGINAL LARGE SCALE

KEYNOTES

1 RUN 3/4" CW IN DUCT SOFFIT.
2 RUN 3/4" CW HORIZONTALLY IN WALL.
3 PIPING IN FURRED WALL.
4 RUN TIGHT TO BOTTOM OF ROOF STRUCTURE. DROP IN EXTERIOR WALL AND CONNECT TO (E) HOSE BIBB.
5 EXTEND CW, HW, SS, AND V TO NEW FIXTURE LOCATION AND CONNECT TO NEW FIXTURE.
6 FOR VENT THROUGH ROOF FLASHING SEE ARCHITECTURAL DETAIL 3/A10.41-2.



1 PB2.2 PLUMBING FLOOR PLAN - BLDG B
SCALE: 1/8" = 1'-0"

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KEYNOTES

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capital engineering
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PROFESSIONAL ENGINEER
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MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED: 4/3/2025

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945 SOUTH HAM LANE
LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
PLUMBING FLOOR PLAN - BLDG B

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10**
CLIENT PROJ NO: **3431007000**
SHEET:

PB2.2

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG IF PLOTTED AT SCALE ON ORIGINAL SHEET. IF NOT, ADJUST SCALES ACCORDINGLY

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-E
This document is used to demonstrate compliance for nonresidential occupancies with requirements in 110.1, 110.3, 120.3, and 140.5, and with requirements in 141.0 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies compliance is demonstrated with requirements in 110.1, 110.3, 160.4 and 170.2(d), and with requirements 180.1 for additions and 180.2 for alterations.	
Project Name: Lodi Middle School Addition & Mod	**Report Page:** (Page 1 of 7)
Project Address:	**Date Prepared:** 2024-11-13T18:44:52-05:00

A. GENERAL INFORMATION

01	Project Location (city)	Lodi	02	Climate Zone	12
03	Occupancy Types Within Project (select all that apply):				
● Classroom					

B. PROJECT SCOPE

This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in 140./170.2(d) and 141.0(a)/ 180.1, or 141.0(b)2N / 180.2 for additions or alterations. Solar water heating systems are documented on the NRCC-SAB compliance document. Combined hydronic water heating systems are documented on the NRCC-MCH compliance document.

01	02	03	
My project consists of (check all that apply):	System Type[1,2]	System Components	
☒ New system (DHW system being installed for the first time)	Individual System (serving nonresidential spaces)	☒ Equipment	☒ Distribution ☒ Controls
☐ System Alteration (equipment, distribution or controls)		☐ Equipment	☐ Distribution ☐ Controls

[1] *FOOTNOTES: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.*
[2] *Dwelling units refers to hotel/motel guest rooms and units in a multifamily residential occupancy.*
[3] *DHW systems serving 2 or more dwelling units are considered "Central Systems" for multifamily occupancies*

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. or the table indicated as not compliant for guidance.

01	02	03	04
Domestic Hot Water Equipment	Distribution Systems	Controls	**Compliance Results**
Table F	Table G	Table H	
Yes	Yes	Yes	COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-E
Project Name: Lodi Middle School Addition & Mod	**Report Page:** (Page 2 of 7)
	Date Prepared: 2024-11-13T18:44:52-05:00

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-E
Project Name: Lodi Middle School Addition & Mod	**Report Page:** (Page 3 of 7)
	Date Prepared: 2024-11-13T18:44:52-05:00

F. DOMESTIC HOT WATER EQUIPMENT

This table is used to demonstrate compliance with mandatory equipment requirements in 110.1 and 110.3. Compliance with prescriptive requirements in 140.5(c) / 170.2(d) must also be demonstrated and with 141.0 / 180.1/ 180.2 for addition and alteration scopes.

Equipment Schedule: Water Heating Efficiency and Standby Loss

03	04			05		06		
System Name	Instantaneous DHW (all)	Exception to 140.5(c)/ 170.2(d)3	Exceptions Do Not Apply	☐	Gas Service Water Heating System >= 1MMBtu/h[1]	Capacity-weighted Average Efficiency %		
07	08	09	10	11	12	13	14	15
Name or Item Tag	Equipment Type	Volume (gal)	Rated Input Capacity (Btu/h)	Max GPM/ First Hour Rating (FHR)	Rated Efficiency	Minimum Efficiency Required	Efficiency Unit	Designed Standby Loss	Maximum Standby Loss
IWH all	Consumer Rated Electric Instantaneous (<=12kW)	<=2		0 <= GPM <1.7	0.91	0.91	UEF		

[1] *FOOTNOTE: In systems >= 1MMBtu/h with multiple units, gas water heaters with input capacity > 100,000 Btu/h may meet 90% Et requirements via an input capacity-weighted average.*
[2] *FOOTNOTE: Compliant equipment may be found in the Modernized Appliance Efficiency Database System (MAEDBS) on the Energy Commission website: https://cacertappliances.energy.ca.gov/Pages/Search/AdvancedSearch.aspx*

Water Heating Equipment All Occupancies

	Yes	No	Not Applicable	Requirement
18	☐	☐	☒	Unfired storage tank insulation shall have Internal + External >=R-16 OR External >=R-3.5. Label required per 110.3(c)3
19	☐	☐	☒	New state buildings 60% of energy for service water heating from site solar energy or recovered energy per 110.3(c)5
20	☒	☐	☐	Isolation valves for instantaneous water heater with input rating >6.8 kBTUH or 2 kW has been specified per 110.3(c)6
21	☐	☐	☒	School buildings < 25,000 ft² and < 4 stories must install a heat pump water heating system per 140.5(a)1. Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.

STATE OF CALIFORNIA
Domestic Water Heating System
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CERTIFICATE OF COMPLIANCE	NRCC-PLB-E
Project Name: Lodi Middle School Addition & Mod	**Report Page:** (Page 4 of 7)
	Date Prepared: 2024-11-13T18:44:52-05:00

G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM

This table is used to demonstrate compliance for nonresidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and hotel/motel occupancies, compliance is demonstrated with requirements 110.3(c), 160.4, 170.2(d).

Mandatory Pipe Insulation All Occupancies

13	☐	For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see blow) except: • Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing shall use grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall abut securely against all framing members • Piping installed in interior or exterior walls shall not be required to have pipe insulation if all of the requirements are met for compliance with Quality Insulation Installation (QII) as specified in the Reference Residential Appendix RA3.5. • Piping surrounded with a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic insulation, shall not be required to have pipe insulation.
14	☒	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below) per 120.3: • Recirculating system piping, including supply and return piping of the water heater • The first 8 ft of hot and cold outlet piping, including between storage tank and heat trap, for a nonrecirculating storage system • Pipes that are externally heated
15	☒	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be installed in a water proof and non-crushable casing or sleeve.

TABLE 120.3-A / 160.4-A PIPE INSULATION THICKNESS

Fluid Temperature Range (°F)	Conductivity Range (Btu-in per hour per ft² per °F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)			
			< 1	1 to < 1.5	1.5 to < 4	1.5 to < 4 Multifamily & Hotel/Motel
			Minimum Insulation Required			
105-140	0.22 - 0.28	100	1.0 in or R-7.7	1.5 in or R-12.5	1.5 in or R-11	2.0 in or R-16

STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE	NRCC-PLB-E
Project Name: Lodi Middle School Addition & Mod	**Report Page:** (Page 5 of 7)
	Date Prepared: 2024-11-13T18:44:52-05:00

H. DOMESTIC HOT WATER CONTROLS

This table is used to demonstrate compliance with control requirements in 110.3 for all occupancies. For multifamily residential and hotel/motel occupancies, compliance is also demonstrated with requirements in 160.4(e) / 170.2(d).

	Yes	No	Not Applicable	Requirement
01	☒	☐	☐	Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per 110.3(a).
02	☐	☐	☒	Systems with capacity > 167,000 BTUH equipped with outlet temperature controls per 110.3(c)1 unless covered by California Plumbing Code 613.0.
03	☐	☐	☒	Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per 5110.3(c)2 unless systems serves healthcare facility.
04	☐	☐	☒	For recirculation systems serving multiple dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 for additions.
05	☐	☐	☒	For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix RA4.4.9 per 170.2(d).
06	☐	☐	☒	Combustion air positive shut-off shall be provided per 160.4(3).on all newly installed commercial boilers as follows: • Boilers with input capacity >= 2.5 MMBtu/h, in which the boiler is designed to operate with a nonpositive vent static pressure • Boilers where one stack serves two or more boilers with a total combined input capacity per stack of 2.5 MMBtu/h.
07	☐	☐	☒	Boiler combustion air fans with motor >= 10 hp shall meet one of the following • The fan motor shall be driven by a variable speed drive OR • The fan motor shall include controls that limit the fan motor demand to <=30% of the total design wattage at 50% of the design air volume.
08	☐	☐	☒	Newly installed boilers with an input capacity (d:gte/) 5MMBtu/h and a steady state full-load combustion efficiency < 90% shall maintain excess (stack-gas) oxygen concentrations <= 5% by volume on a dry basis over firing rates of 20-100%. Combustion air volume shall be controlled with respect to firing rate or flue gas oxygen concentration. Use of a common gas and combustion air control linkage or jack shaft is prohibited.

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-E
Project Name: Lodi Middle School Addition & Mod	**Report Page:** (Page 6 of 7)
	Date Prepared: 2024-11-13T18:44:52-05:00

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-PLB-E - Must be submitted for all buildings

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-E
Project Name: Lodi Middle School Addition & Mod	**Report Page:** (Page 7 of 7)
Project Address:	**Date Prepared:** 2024-11-13T18:44:52-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Aaron Wintersmith	Documentation Author Signature:
Company: Capital Engineering	Signature Date: 11/13/2024
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building inspector requires to be provided for occupancy.

Responsible Designer Name: Kevin Stillman	Responsible Designer Signature:
Company: Capital Engineering	Date Signed: 11/13/2024
Address: 11020 Sun Center DR #100	License: M33498
City/State/Zip: Rancho Cordova CA 95670	Phone:

Service Water Heating Mandatory Measures:

110.3(a) CERTIFICATION BY MANUFACTURERS
ANY SERVICE WATER HEATING SYSTEM OR EQUIPMENT MAY BE INSTALLED ONLY IF CERTIFIED TO THE ENERGY COMMISSION TO MEET ALL APPLICABLE 110.3 REQUIREMENTS

110.3(a)1 TEMPERATURE CONTROLS
SERVICE WATER HEATING SYSTEMS SHALL BE EQUIPPED WITH AUTOMATIC TEMPERATURE CONTROLS CAPABLE OF BEING ADJUSTED FROM LOWEST TO HIGHEST ACCEPTABLE TEMPERATURES FOR THE INTENDED USE AS LISTED IN TABLE 3, CHAPTER 50 OF THE ASHRAE HANDBOOK, HVAC APPLICATIONS VOLUME, OR TABLE 613.1 OF THE CALIFORNIA PLUMBING CODE FOR HEALTHCARE FACILITIES. RESIDENTIAL OCCUPANCIES ARE EXEMPT FROM TEMPERATURE CONTROL REQUIREMENTS

110.3(b) EFFICIENCY
EQUIPMENT SHALL MEET THE APPLICABLE REQUIREMENTS OF THE APPLIANCE EFFICIENCY REGULATIONS AS REQUIRED BY 110.1.

110.3(c)6 ISOLATION VALVES
INSTANTANEOUS WATER HEATERS WITH AN INPUT RATING >6.8 KBTU/HR (2KW) SHALL HAVE ISOLATION VALVES ON BOTH COLD WATER SUPPLY AND HOT WATER PIPE LEAVING THE WATER HEATER, AND HOSE BIBS OR OTHER FITTINGS ON EACH VALVE FOR FLUSHING THE WATER HEATER WHEN THE VALVES ARE CLOSED.

110.8(a) INSULATION CERTIFICATION
INSTALLED INSULATION SHALL BE CERTIFIED BY THE DEPARTMENT OF CONSUMER AFFAIRS PER TITLE 24, PART 12, CHAPTERS 12-13, ARTICLE 3 "STANDARDS FOR INSULATING MATERIAL."

110.8(b) UREA FORMALDEHYDE INSULATION
UREA FORMALDEHYDE INSULATION SHALL NOT BE INSTALLED UNLESS IN EXTERIOR SIDE WALLS WITH A FOUR-MIL-THICK PLASTIC POLYETHYLENE VAPOR RETARDER OR EQUIVALENT PLASTIC SHEATHING VAPOR RETARDER IS INSTALLED BETWEEN THE UREA FORMALDEHYDE FOAM INSULATION AND THE INTERIOR SPACE.

110.8(c) INSULATING MATERIAL
ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF THE CALIFORNIA BUILDING CODE.

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Author
SHEET NAME:
PLUMBING TITLE 24

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10**
CLIENT PROJ NO: **3431007000**
SHEET:

P7.1

Autodesk Docs://3431007000 Lodi MS Additions/240047_Lodi MS Exp Mod_MEP22_Central.rvt
4/3/2025 9:54:13 AM
PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ARCH D SHEETS ORIGINAL PAPER SIZE

SYMBOLS LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	---	3 WAY VALVE
	---	ANCHOR
	BFP, BP, DCW	BACKFLOW PREVENTER, REDUCE PRESSURE, DOUBLE CHECKVALVE
	---	BALL VALVE
	---	BOTTOM CONNECTION
BPT	BPT	BYPASS TIMER
DS	DS	DYNAMIC SENSOR
F	FD	FIRE DAMPER
FS	FS	FIRE/SMOKE DAMPER
	---	FLEXIBLE CONNECTOR
	---	FLOW ARROW
FE	---	FLOW ELEMENT
FS	FS	FLOW SWITCH
	GCK	GAGE COCK
	---	GATE VALVE
	---	GLOBE VALVE
	HB	HOSE BIBB
H X	H	HUMIDISTAT
	---	LIMIT OF DEMOLITION
	---	MANUAL AIR VENT
	---	PIPE BREAK
	---	PIPE CAP
	---	PIPE DOWN
	---	PIPE GUIDE
	---	PIPE UP
	---	POINT OF CONNECTION
	---	REDUCER
SD	SD	SMOKE DAMPER
SD	SKD	SMOKE DETECTOR
TS X	TS	TEMPERATURE SENSOR
	---	THERMOMETER
T X	T	THERMOSTAT
	---	UNION
	VB	VALVE IN VALVE BOX

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTION SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

DUCT LEGEND

SINGLE LINE SYMBOL	DOUBLE LINE SYMBOL	DESCRIPTION
24x12	24x12	RECTANGULAR DUCT; WIDTH x DEPTH (PLAN VIEW) DEPTH x WIDTH (SECTION VIEW)
26x14L	26x14L	ACOUSTICALLY LINED RECTANGULAR DUCT - DIMENSIONS ARE OUTSIDE
		MANUAL AIR DAMPER
R or D	R or D	RISE OR DROP DUCT IN DIRECTION OF AIR FLOW
OR		RECTANGULAR TO RECTANGULAR TRANSISTION OR ROUND TO ROUND TRANSITION, MAX. SLOPE OF 1:3
		RECTANGULAR TO ROUND TRANSITION, MAX. SLOPE OF 1:3
	W, R, R/W = 1.5	ELBOW, RECTANGULAR, SMOOTH RADIUS, WITHOUT TURNING VANES
		SQUARE/RECTANGULAR DUCT ELBOW WITH TURNING VANES
		CONVERGING OR DIVERGING TEE, 45° ENTRY, RECTANGULAR MAIN AND BRANCH. WHEN REDUCING MAIN, SIDE OF TAKE OFF OR ENTRY BRANCH TO BE FLAT, OTHER SIDES MAX. SLOPE OF 1:3
ROUND DUCT		ROUND DUCT TAKE OFF FROM RECTANGULAR VIA SMOOTH CONVERGING BELL MOUTH
		RECTANGULAR DUCT TEE. MAD'S ON THE 2 BRANCHES, THROAT SIZED FOR EQUAL PRESSURE DROP
		RECTANGULAR DUCT SPLIT MAD'S, THROAT SIZED FOR EQUAL PRESSURE DROP
		3-WAY RECTANGULAR SPLIT WITH TWO TRANSITIONAL ELBOWS AND TRANSITIONING MAIN. DOWNSTREAM MAD'S OF THE TREE BRANCHES. THROATS SIZED FOR EQUAL PRESSURE DROP.
		FOR CONCEALED DUCT: DROP TO DIFFUSER SHALL BE FULL SIZE OF DIFFUSER NECK. FOR EXPOSED DUCT: DROP SHALL BE FULL SIZE OF OD DIFFUSER FRAME. FLANGE FOR MOUNTING DIFFUSER TURNED IN. AIR EXTRACTOR AND EQUALIZER GRID AT CONNECTION TO MAIN.
		SUPPLY AIR, SUPPLY DROP/RISE
		RETURN AIR, RETURN AIR DROP/RISE
		EXHAUST AIR, EXHAUST AIR DROP/RISE
		NEW - FLEXIBLE DUCT (ROUND)
OR		EXISTING - FLEXIBLE DUCT (ROUND)
10"Ø, 18"Ø, 12"Ø	10"Ø, 18"Ø, 12"Ø	45° REDUCING LATERAL FITTING
18"Ø, 10"Ø, 12"Ø	18"Ø, 10"Ø, 12"Ø	90° REDUCING TEE FITTING

MEP DISTRIBUTION SYSTEM BRACING NOTES FOR PIPING, DUCTWORK, & ELECTRICAL CONDUIT

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.126.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☒ PP ☐ E ☐ OPTION 1: PROJECT-SPECIFIC DESIGN.

MP ☐ MD ☐ PP ☐ E ☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.

MP ☐ MD ☐ PP ☐ E ☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

HVAC ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ABC	ABOVE CEILING	KEF	KITCHEN EXHAUST FAN
ABV	ABOVE	KW	KILOWATTS
ACC DR	ACCESS DOOR		
ACC P	ACCESS PANEL	LAV	LAVATORY
ACU	AIR CONDITIONING UNIT	LAT	LEAVING AIR TEMPERATURE
AFF	ABOVE FINISHED FLOOR	LBS	POUNDS
AHU	AIR HANDLING UNIT	LD	LOUVERED DOOR
APD	AIR PRESSURE DROP, INCHES WATER COLUMN	LDB	LEAVING DRY BULB
APPROX	APPROXIMATE	LPS	LOW PRESSURE STEAM
ARCH	ARCHITECTURAL	LRA	LOCKED ROTOR AMPS
ATTEN	ATTENUATORS	LTCP	LOCAL TEMPERATURE CONTROL PANEL
ATV	ACOUSTIC TURNING VANE	LVR	LOUVER
		LWB	LEAVING WET BULB
		LWT	LEAVING WATER TEMPERATURE
BD	BALANCE DAMPER		
BDD	BACK DRAFT DAMPER	MAT	MIXED AIR TEMPERATURE
BHP	BRAKE HORSE POWER	MAU	MAKE-UP AIR UNIT
BLDG	BUILDING	MAV	MANUAL AIR VENT
BOD	BOTTOM OF DUCT	MAX	MAXIMUM
BOR	BOTTOM OF REGISTER	MBH	THOUSAND BTUs PER HOUR
BTUH	BRITISH THERMAL UNITS PER HOUR	MCA	MINIMUM CIRCUIT AMPACITY
		MCC	MOTOR CONTROL CENTER
		MD	MOTORIZED
CAP	CAPACITY	MECH	MECHANICAL
CD	CONDENSATE DRAIN	MFR	MANUFACTURER
CEF	CEILING EXHAUST FAN	MIN	MINIMUM
CFH	CUBIC FEET OF GAS PER HOUR	MOCP	MAXIMUM OVERCURRENT PROTECTION
CFM	CUBIC FEET OF AIR FLOW PER MINUTE		
CHV	CHECK VALVE		
CLG	CEILING	OA	OUTSIDE AIR
CLR	CLEAR	OAD	OUTSIDE AIR DAMPER
CONC	CONCRETE	OC	ON CENTER
COND	CONDENSER	OD	OUTSIDE DIAMETER
CONN	CONNECT/CONNECTION	OH	OVERHEAD
CONT	CONTINUATION	OV	OUTLET VELOCITY
CONTR	CONTRACTOR		
		PCR	PUMPED CONDENSATE RETURN
		PD	PRESSURE DROP
D	DAMPER	PRV	PRESSURE REDUCING VALVE/ PRESSURE REGULATING VALVE
DGP	DATA GATHERING PANEL		
DIA	DIAMETER	PSI (G) (A)	POUNDS PER SQUARE INCH (GAUGE) (ABSOLUTE)
DL	DOOR LOUVER		
DN	DOWN		
DSP	DRY STAND PIPE	RA	RETURN AIR
DB	DRY BULB	RAD	RETURN AIR DAMPER
DTR	DOWN THROUGH ROOF	REF	ROOF EXHAUST FAN
DWG	DRAWING	RF	RETURN FAN
		RPM	REVOLUTIONS PER MINUTE
		RLA	RATED LOAD AMPS
EA	EXHAUST AIR	RV	RELIEF VENTILATOR
EAD	EXHAUST AIR DAMPER		
EC	EVAPORATIVE COOLER		
EDB	ENTERING DRY BULB	S & R	SUPPLY AND RETURN
EER	ENERGY EFFICIENCY RATING	SA	SUPPLY AIR
EF	EXHAUST FAN	SAD	SEE ARCHITECTURAL DRAWINGS
EFF	EFFICIENCY	SB	SECURITY BARS
EH	EXHAUST HOOD	SD	SPLITTER DAMPER
EL	ELEVATION	SEER	SEASONAL ENERGY EFFICIENCY RATING
ELEC	ELECTRIC/ELECTRICAL	SF	SUPPLY FAN
ENT	ENTERING	SG	STEAM GENERATOR
EQUIP	EQUIPMENT	SK	SINK
ESP	EXTERNAL STATIC PRESSURE	SM	SHEET METAL
EVAP	EVAPORATOR	SOV	SHUT OFF VALVE
EW	ENTERING WATER	SP	STATIC PRESSURE
EWB	ENTERING WET BULB	SPD	STATIC PRESSURE DROP
EWC	ELECTRIC WATER COOLER	SQ FT	SQUARE FEET
EWT	ENTERING WATER TEMPERATURE	SQ IN	SQUARE INCHES
EXH	EXHAUST	SS	STAINLESS STEEL
EXT	EXPANSION TANK	STR	STRAINER
f	CUBIC FEET OF AIR FLOW PER MINUTE	STRUC	STRUCTURAL
F	DEGREES FAHRENHEIT		
FA	FROM ABOVE	T	THERMOSTAT
FB	FROM BELOW	TA	TO ABOVE
FC	FLEXIBLE CONNECTION	TB	TO BELOW
FCV	FLOW CONTROL VALVE	T.C.C.	TEMPERATURE CONTROL CONTRACTOR
FD	FIRE DAMPER	TCP	TEMPERATURE CONTROL PANEL
FF	FLY FAN	TCV	TEMPERATURE CONTROL VALVE
FIN	FINISH	TEMP	TEMPERATURE
FLA	FULL LOAD AMPS	TFH	THERMAL FLUID HEATER
FLR	FLOOR	THK	THICK
FPM	FEET PER MINUTE	TP	TOTAL PRESSURE
FSD	FIRE AND SMOKE DAMPER	TS	TEMPERATURE SENSOR
FT (')	FOOT OR FEET	TSP	TOTAL STATIC PRESSURE
FT ^{2}	SQUARE FEET	TYP	TYPICAL
FV	FACE VELOCITY		
		UCD	UNDERCUT DOOR
GA	GAUGE	UF	UNDERFLOOR
GALV	GALVANIZED	UG	UNDERGROUND
GI	GALVANIZED IRON	UON	UNLESS OTHERWISE NOTED
GPH	GALLONS PER HOUR	UTR	UP THROUGH ROOF
GPM	GALLONS PER MINUTE		
		V (VTR)	VENT (VENT THROUGH ROOF)
HC	HEATING COIL	VAC	VACUUM
HDG	HEAVY DUTY GRILLE	VD	VOLUME DAMPER
HP	HORSE POWER	VF	VENTILATION FAN
HPS	HIGH PRESSURE STEAM	VFC	VARIABLE FREQUENCY CONTROLLER
HTG	HEATING	VLV	VALVE
HV	HAND VALVE	VRF	VARIABLE REFRIGERANT FLOW
HW	HOT WATER	VSD	VARIABLE SPEED DRIVE
HWR	HOT WATER RETURN	VV	VARIABLE AIR VOLUME CONTROLLER
HWS	HOT WATER SUPPLY	VVRH	VARIABLE AIR VOLUME CONTROLLER WITH REHEAT COIL
		W	WATTS
ICF	INSTANTENEOUS CURRENT FLOW	WALL MTD (R)	WALL MOUNTED (RECESSED)
IE	INVERT ELEVATION	WB	WET BULB
IN, (")	INCH	WC	WATER CLOSET
IN ^{2}	SQUARE INCHES	WMS	WIRE MESH SCREEN
		WP	WORKING PRESSURE
		WPD	WATER PRESSURE DROP FEET OF WATER COLUMN
		WT	WEIGHT

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PROFESSIONAL ENGINEER — MECHANICAL — STATE OF CALIFORNIA — EXPIRES 9/30/26

DATE SIGNED: 4/3/2025

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PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
MECHANICAL LEGENDS AND NOTES

CONSTRUCTION DOCUMENTS

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MECHANICAL GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, AND INDUSTRY STANDARDS.
2. VERIFY EXACT LOCATION OF ALL (E) EQUIPMENT, DUCTWORK, DIFFUSERS, REGISTERS, AND GRILLES. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN (E) SYSTEMS AND DRAWINGS.
3. COORDINATE EXACT LOCATION OF EQUIPMENT AND ALL PENETRATIONS THROUGH ROOF, FLOORS, AND WALLS WITH ARCHITECTURAL STRUCTURAL SYSTEMS PRIOR TO COMMENCING WORK.
4. COORDINATE EXACT SIZE AND ROUTING OF DUCTWORK WITH ARCHITECTURAL PLANS, STRUCTURE, AND EQUIPMENT PRIOR TO COMMENCING WORK.
5. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES.
6. FURNISH AND INSTALL MANUAL AIR DAMPERS AT ALL DUCT BRANCH TAKEOFFS TO A SINGLE DIFFUSER, GRILLE, OR REGISTER.
7. FLEXIBLE DUCTWORK CONNECTIONS TO CEILING DIFFUSERS ARE LIMITED TO 5' MAXIMUM LENGTH.
8. ALL DUCTWORK, CEILING DIFFUSERS/REGISTERS/GRILLES, EQUIPMENT, PIPING, ETC. ARE NEW U.O.N. (SHOWN HEAVY). (E) DUCTWORK, PIPING, ETC. IS SHOWN LIGHT. SEE LEGEND.
9. (E) DUCTWORK AND ITEMS TO BE REMOVED ARE SHOWN CROSSED ("X") OUT, SEE LEGEND. COORDINATE CLOSELY WITH (N) DUCTWORK AND P.O.C.'S SHOWN. ALL OTHER (E) DUCTWORK, ETC. TO REMAIN.
10. WHERE INLET DUCT DIAMETER AND DIFFUSER NECK SIZE ARE THE SAME (I.E. 9"ø AND 9x9) CONTRACTOR SHALL OVERSIZE THE SHEET METAL PLENUM TO ACCOMMODATE THE ROUND DUCT CONNECTION.
11. THERMOSTATS AND ROOM TEMPERATURE SENSORS SHALL BE INSTALLED AT +46" ABOVE FINISHED FLOOR (TO TOP OF DEVICE). DO NOT INSTALL THERMOSTATS AND ROOM TEMPERATURE SENSORS ABOVE CASEWORK, SHELVING OR OTHER OBSTRUCTIONS OVER 24" IN DEPTH AND 34" IN HEIGHT.

AIR TERMINALS SCHEDULE

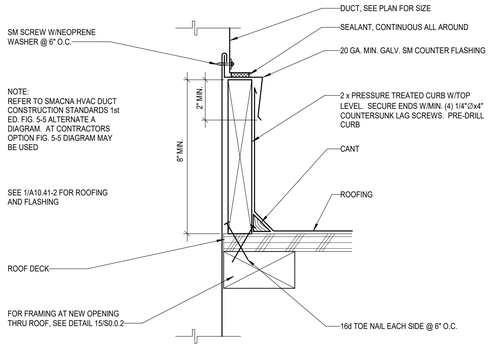
SYMBOL	DESCRIPTION	TITUS	TUTTLE & BAILEY	METALAIRE	KRUEGER	NAILOR	REMARKS
CD	MODULAR CORE SURFACE MOUNT CEILING DIFFUSER BEVEL FRAME	MCD - BORDER TYPE 6	SQD-SB	9000-2	1240 FRAME 21 - 1 1/4"	7500-BS	
CDL	MODULAR CORE LAY-IN CEILING DIFFUSER FOR T-BAR CEILING 24X24 PANEL	MCD - BORDER TYPE 3	SQD-LT	9000-6P	1240 FRAME 23	7500-L	
CR	CEILING RETURN WITH 1/2" EGG CRATE CORE SURFACE MOUNT	MODEL 50 F BORDER TYPE 1	CRE500-SF	CC5S-1	EGC-5 FRAME S22	61 EC-S	
CRL	CEILING RETURN WITH 1/2" EGG CRATE CORE IN 24X24 PANEL FOR T-BAR CEILING	MODEL 50 F BORDER TYPE 3	CRE500-LT	CC5S-6	EGC-5 FRAME S22	61 EC-L	
LR4	ALUMINUM LINEAR BAR RETURN GRILLE, FLOOR MOUNTED, 1/8" BARS, 1/4" SPACING, 0 DEG. DEFLECTION, 4" NOMINAL WIDTH, FRAME TYPE 5	CT-480	4000-A0	-	-	-	
LR6	ALUMINUM LINEAR BAR RETURN GRILLE, FLOOR MOUNTED, 1/8" BARS, 1/4" SPACING, 0 DEG. DEFLECTION, 6" NOMINAL WIDTH, FRAME TYPE 5	CT-480	4000-A0	-	-	-	
S	DOUBLE DEFLECTION SUPPLY GRILLE WITH VERTICAL FRONT BARS, 3/4" SPACING	300 FL	T 64-SF	V 4004 S	880 V	61 DV	

1. ALL SYMBOLS MAY NOT BE USED. REFER TO PLANS FOR SIZE AND QUANTITY.
2. ALL SUPPLY AIR DIFFUSERS ARE 4-WAY BLOW UNLESS SHOWN OTHERWISE.
3. FURNISH ALL PRODUCTS OF A SINGLE MANUFACTURER.
4. COORDINATE DIFFUSER, REGISTER, OR GRILLE TYPE WITH REFLECTED CEILING PLAN.
5. OPPOSED BLADE DAMPERS ARE NOT REQUIRED AT DIFFUSERS, REGISTERS, OR GRILLES.
6. PROVIDE MANUAL AIR DAMPERS AT EACH BRANCH DUCT TO A SINGLE DIFFUSER, REGISTER, OR GRILLE.
7. PROVIDE ALUMINUM DIFFUSERS, REGISTERS, OR GRILLES FOR SHOWERS AND DAMP AREAS.

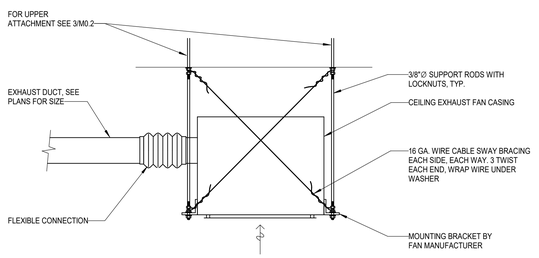
EXHAUST FAN SCHEDULE

EQUIPMENT TAG	MFR	MODEL NO	LOCATION	CFM	TSP (IN)	MOTOR ELECTRICAL						MOUNTING DETAIL	CONTROL DIAGRAM	OPER WT (LBS)	REMARKS
						WATTS	AMPS	VOLT	PHASE	RPM	SPEED CONTROL				
CEF-A1	GREENHECK	SP-A110-VG	NURSE TOILET A117	100	0.250	24.2	0.31	115	1	960	YES	1/M0.2	4/M0.2	12	1, 2, 3, 4
CEF-B1	GREENHECK	SP-S390-VG	CUSTODIAN B107	235	0.250	47	0.7	115	1	935	YES	6/M0.2	4/M0.2	24	1, 2, 3, 4

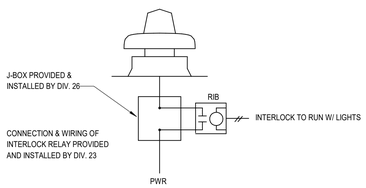
1. INTERLOCK FAN WITH LIGHTS.
2. PROVIDE WITH MANUFACTURER'S SPEED CONTROL MOUNTED ON FAN HOUSING.
3. PROVIDE BACKDRAFT DAMPER AND OPTIONAL ALUMINUM GRILLE WITH WHITE ENAMEL FINISH.
4. PROVIDE W/ "GREENHECK" RFC-7 ROOF CAP WITH INTEGRAL BIRDSCREEN AND FLASHING FLANGE.



7 M0.2 DUCT THROUGH ROOF
SCALE: NONE

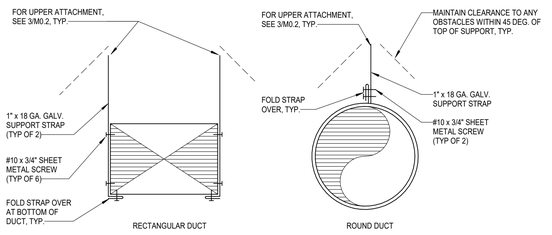


6 M0.2 CEF SUSPENDED MOUNTING
SCALE: NONE



CEF INTERLOCK W/ LIGHTS

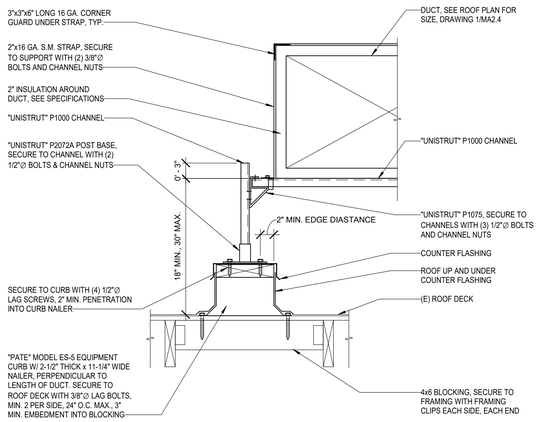
4 M0.2 CEF CONTROL DIAGRAM
SCALE: NONE



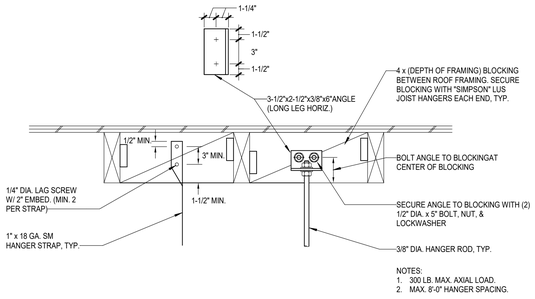
NOTES:

1. SUPPORT STRAP SPACING SHALL BE MAX. 6'-0" O.C. APPLIES TO RECTANGULAR DUCTWORK LESS THAN 6 SQFT CROSS SECTIONAL AREA, AND ROUND DUCTWORK UP TO 26" DIA. AND WEIGH 20 PLF OR LESS. NO SEISMIC BRACING REQUIRED.
2. PROVIDE HANGERS/SUPPORTS IN COMPLIANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS". REFER TO SPEC SECTION 238000 FOR ADDITIONAL REQUIREMENTS.

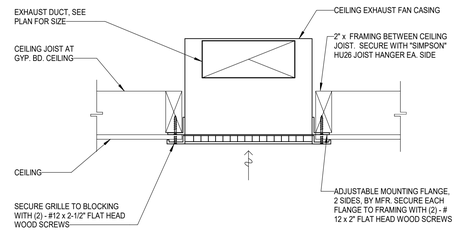
2 M0.2 TYPICAL CONCEALED DUCT SUPPORT
SCALE: NONE



5 M0.2 DUCT SUPPORT ON ROOF
SCALE: NONE



3 M0.2 UPPER ATTACHMENT AT WOOD DECK
SCALE: NONE



1 M0.2 CEF MOUNTING
SCALE: NONE

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PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
MECHANICAL SCHEDULES

CONSTRUCTION DOCUMENTS

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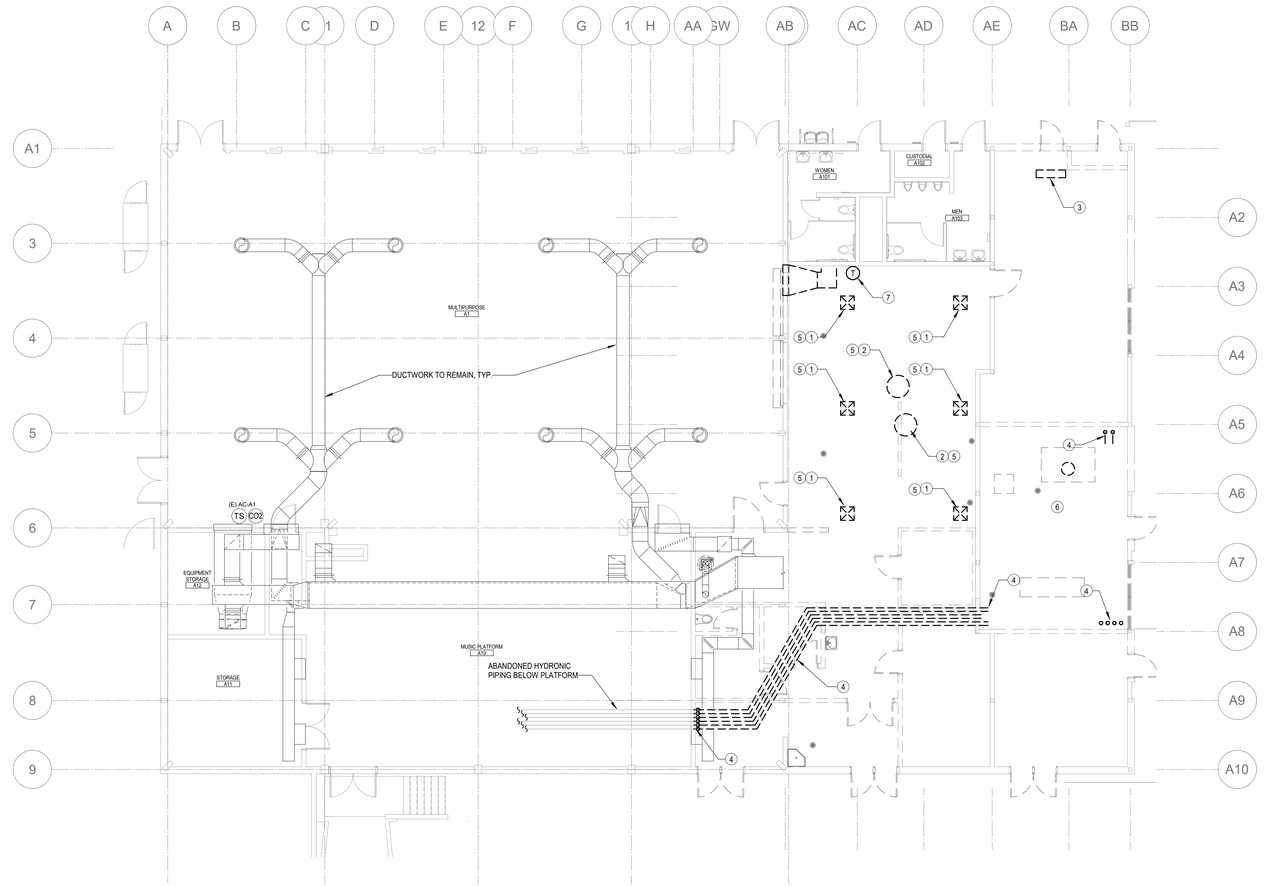
KEYNOTES

1 GRILLE AND DUCT THROUGH ROOF TO BE REMOVED.
2 DUCT THROUGH ROOF TO REMOVED.
3 INDOOR DUCTLESS SPLIT SYSTEM UNIT, REFRIGERANT PIPING, AND CONTROLS TO BE REMOVED AND TURNED OVER TO OWNER.
4 REMOVE ALL ABANDONED HYDRONIC PIPING AND CAP BEYOND ARCHITECTURAL SURFACES.
5 FOR ROOF OPENING INFILL SEE ARCHITECTURAL DRAWINGS AND STRUCTURAL DETAIL 16/S0.0.2.
6 REMOVE ALL HOUSKEEPING PADS.
7 THERMOSTAT TO BE RELOCATED, SEE MA2.3 FOR NEW LOCATION.



1 MA2.1 MECHANICAL DEMOLITION ROOF PLAN - BLDG A
SCALE: 1/8" = 1'-0"

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MECHANICAL DEMOLITION FLOOR PLAN - BLDG A

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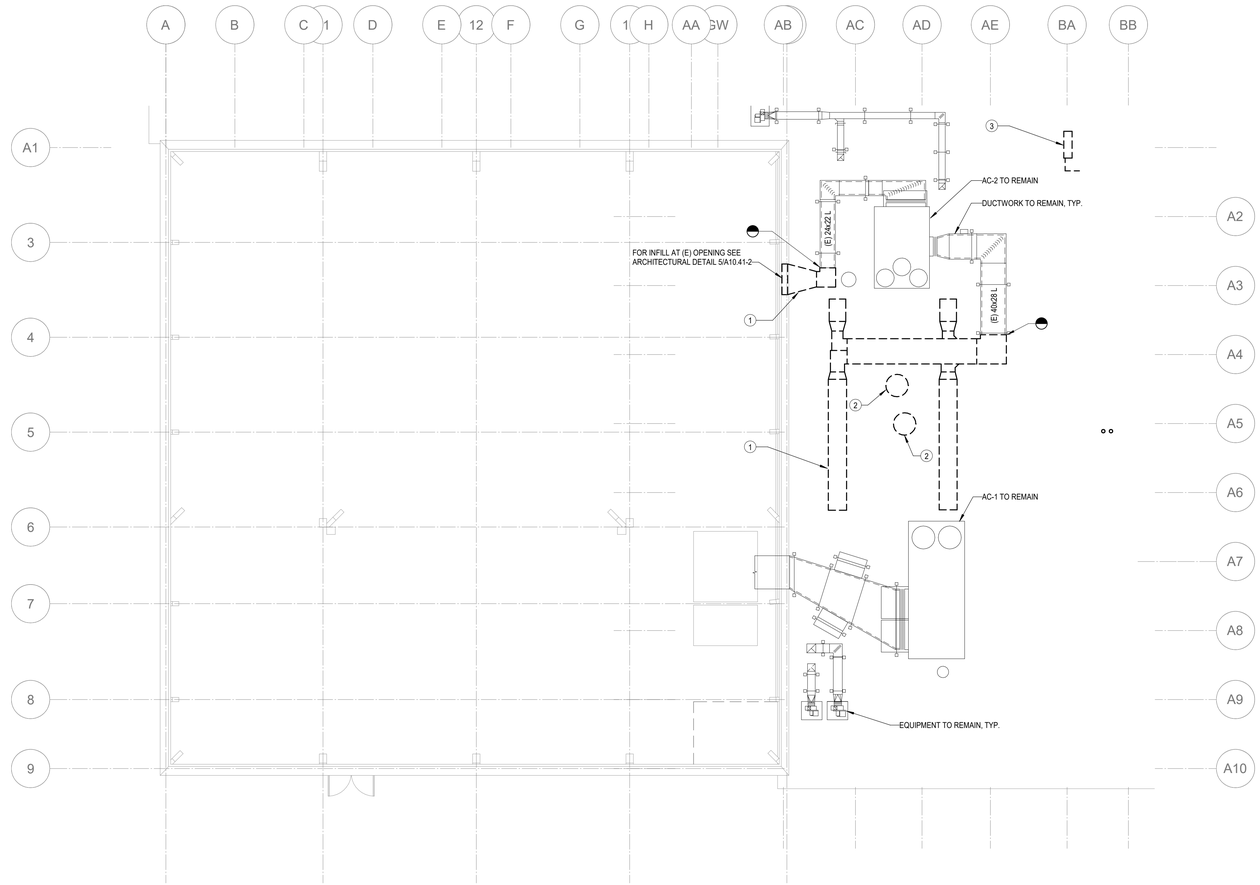
KEYNOTES

1 DUCT ON ROOF AND DROPS THROUGH ROOF TO BE REMOVED.
2 KITCHEN EXHAUST FAN, ROOF CURB, DUCT THROUGH ROOF, AND CONTROLS TO BE REMOVED.
3 OUTDOOR DUCTLESS SPLIT SYSTEM UNIT, REFRIGERANT PIPING, AND CONTROLS TO BE REMOVED AND TURNED OVER TO OWNER.



1 MA2.2 MECHANICAL DEMOLITION ROOF PLAN - BLDG A

SCALE: 1/8" = 1'-0"

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Author

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SHEET:

MA2.2

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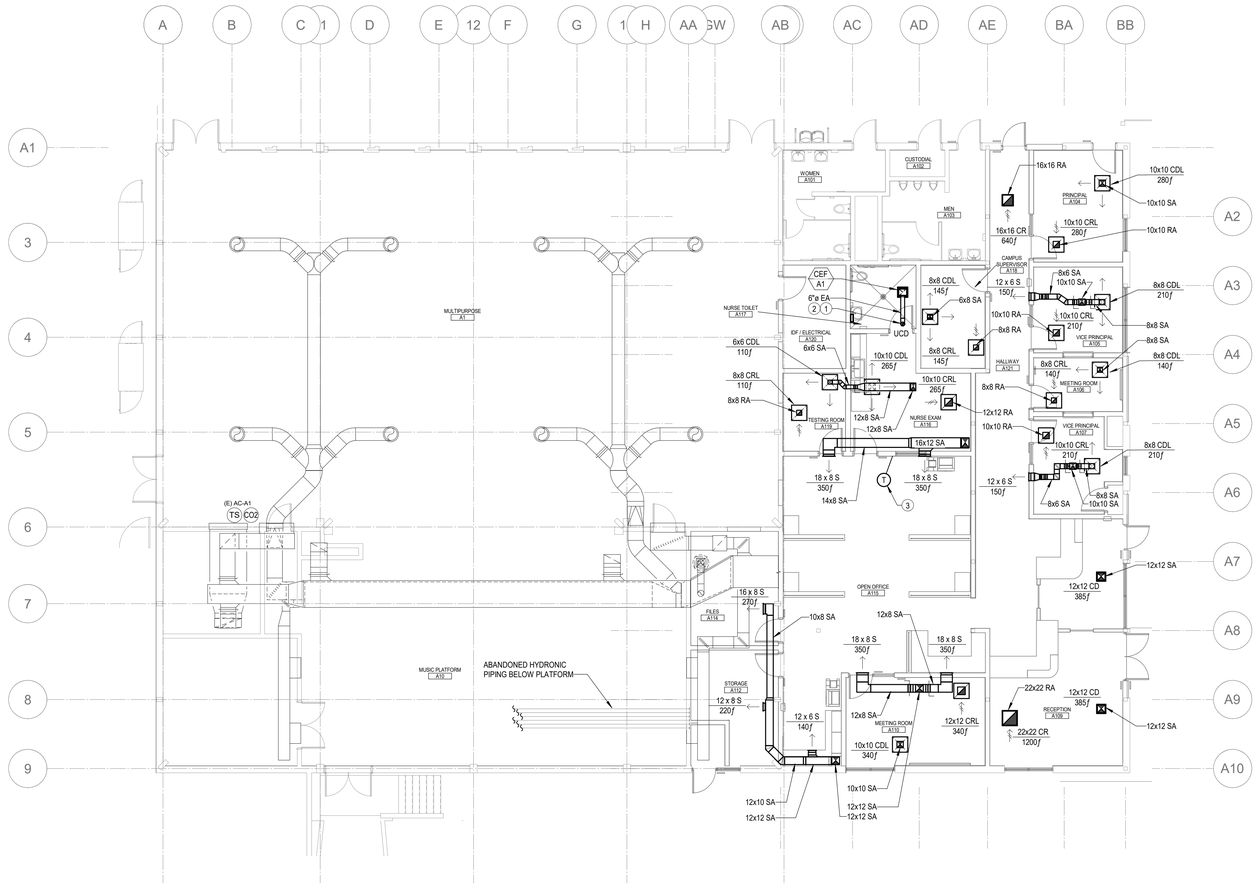
KEYNOTES

1 EXHAUST DUCT THROUGH ROOF WITH ROOF CAP. SEE EXHAUST FAN SCHEDULE, SHEET M0.2. SEE ARCHITECTURAL DRAWING A10.41-2 FOR FLASHING DETAIL.
2 FOR ROOF FRAMING AT NEW ROOF PENETRATION SEE STRUCTURAL DETAIL 15/S0.0.2.
3 RELOCATED THERMOSTAT, EXTEND WIRING AND RECONNECT.



1 MA2.3 MECHANICAL FLOOR PLAN - BLDG A
SCALE: 1/8" = 1'-0"

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

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ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

capital engineering
RANCHO CORDOVA, CALIFORNIA
MCM - BV PM - DESIGN TEAM
240047.00 PROJECT NO.

PROFESSIONAL ENGINEER MECHANICAL STATE OF CALIFORNIA EXPIRES 9/30/26
DATE SIGNED: 4/3/2025

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE
LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
MECHANICAL FLOOR PLAN - BLDG A

CONSTRUCTION DOCUMENTS

DATE: 2025.04.10
CLIENT PROJ NO: 3431007000
SHEET:

MA2.3

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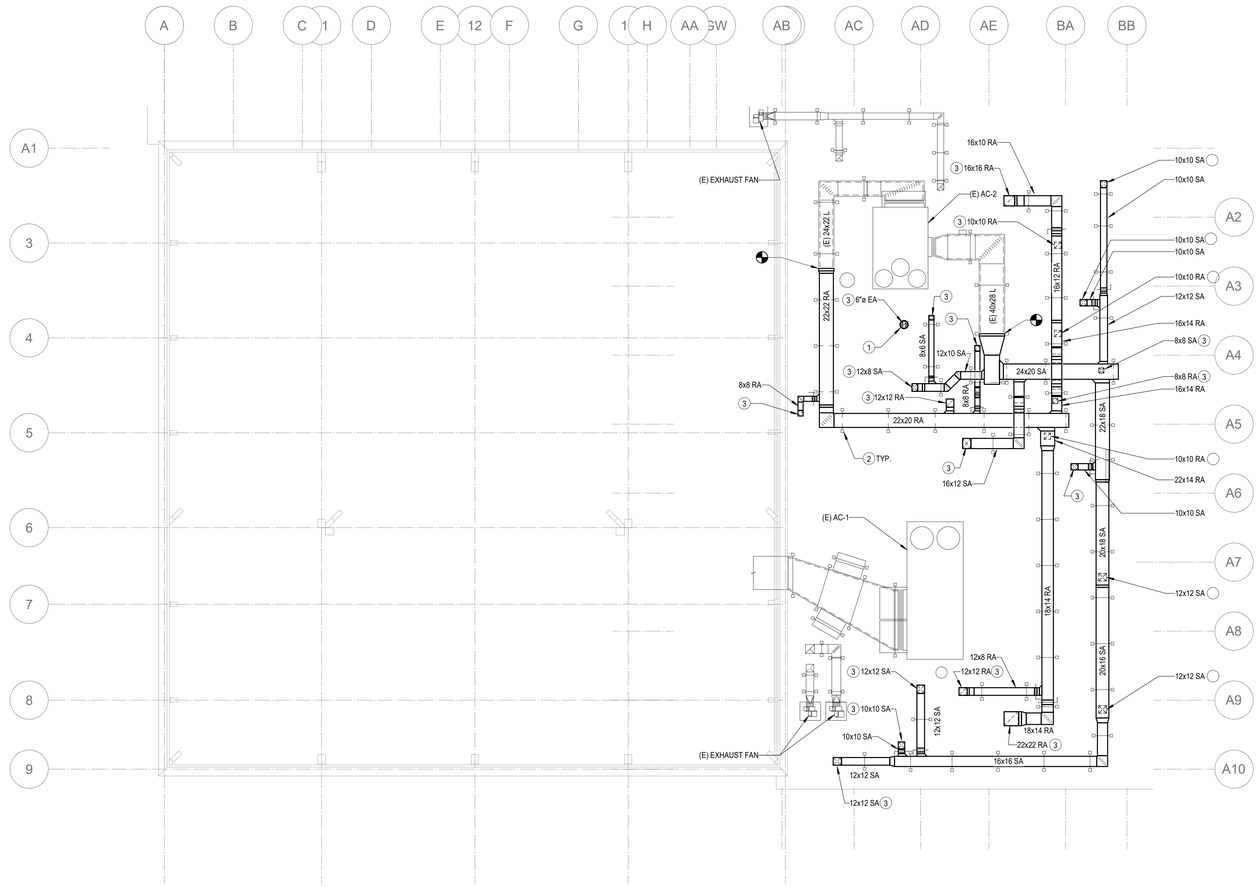
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ARCH D SHEETS ORIGINAL PAGE SIZE

KEYNOTES

1 EXHAUST DUCT THROUGH ROOF WITH ROOF CAP. SEE EXHAUST FAN SCHEDULE, SHEET M0.2. SEE ARCHITECTURAL DRAWING 5/A10.41-2 FOR FLASHING DETAIL.
2 DUCT SUPPORT ON ROOF, SEE DETAIL 5/M0.2. SEE SPECIFICATIONS FOR SPACING.
3 FOR ROOF FRAMING AT NEW ROOF PENETRATION SEE STRUCTURAL DETAIL 15/S0.0.2.



1 MA2.4 MECHANICAL ROOF PLAN - BLDG A
SCALE: 1/8" = 1'-0"

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KEYNOTES

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PROFESSIONAL ENGINEER
EXPIRES 9/30/26
MECHANICAL
STATE OF CALIFORNIA
DATE SIGNED: 4/3/2025

FACILITY:
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PROJECT:
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Author
SHEET NAME:
MECHANICAL ROOF PLAN - BLDG A

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10**
CLIENT PROJ NO: **3431007000**
SHEET:

MA2.4

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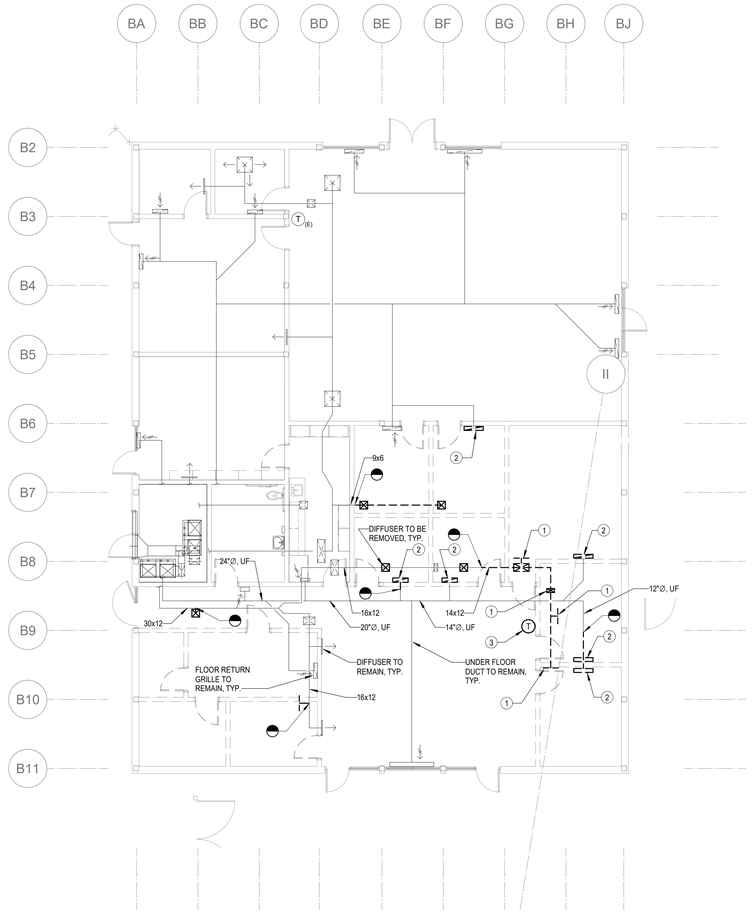
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ARCH D SHEETS ORIGINAL DRAWING SCALE

KEYNOTES

1 REMOVE DIFFUSER/GRILLE AND DUCTWORK AS SHOWN. SEE MB2.2 FOR CONNECTION OF NEW DUCTWORK.
2 REMOVE FLOOR RETURN GRILLE AND UNDERFLOOR RETURN DUCT AS SHOWN. CAP OR PREPARE FOR CONNECTION OF NEW DUCT. PATCH FLOOR TO MATCH SURROUNDING.
3 THERMOSTAT TO BE RELOCATED, SEE MB2.2 FOR NEW LOCATION.



1 / MB2.1 MECHANICAL DEMOLITION FLOOR PLAN - BLDG B
SCALE: 1/8" = 1'-0"

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RANCHO CORDOVA, CALIFORNIA
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240047.00 PROJECT NO.

PROFESSIONAL ENGINEER MECHANICAL EXPIRES 9/30/26 STATE OF CALIFORNIA
DATE SIGNED: 4/3/2025

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE
LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
MECHANICAL DEMOLITION FLOOR PLAN - BLDG B

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**
SHEET:

MB2.1

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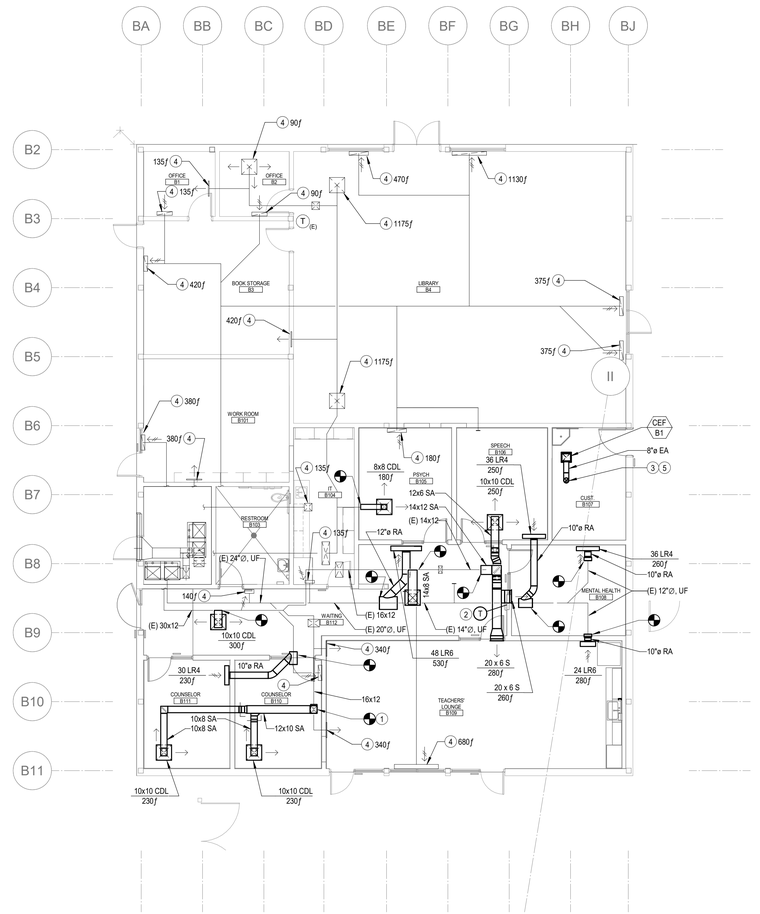
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ANSI D SHEETS ORIGINAL LARGE SCALE

KEYNOTES

1 CONNECT SUPPLY DUCT TO (E) SUPPLY DUCT IN (E) SOFFIT.
2 RELOCATED THERMOSTAT, EXTEND WIRING AND RECONNECT.
3 EXHAUST DUCT THROUGH ROOF WITH ROOF CAP. SEE EXHAUST FAN SCHEDULE, SHEET M0.2. SEE ARCHITECTURAL DRAWING A10.41-2 FOR FLASHING DETAIL.
4 (E) REGISTER OR GRILLE, SET TO CFM SHOWN.
5 FOR ROOF FRAMING AT NEW ROOF PENETRATION SEE STRUCTURAL DETAIL 15/S0.0.2.



1 MB2.2 MECHANICAL FLOOR PLAN - BLDG B
SCALE: 1/8" = 1'-0"

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Author
SHEET NAME:
MECHANICAL FLOOR PLAN - BLDG B

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

MB2.2

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THE LINE BROKEN ABOVE IS EXACTLY 1" LONG ON ARCH D SHEETS ORIGINAL PAGE SIZE

ELECTRICAL ABBREVIATION

ABBREVIATION	DESCRIPTION
A	AMPERES, AMBER
AC	ALTERNATING CURRENT, AIR CONDITIONER
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AVAILABLE INTERRUPTING CAPACITY
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
C	CONDUIT, CLOSE, CONTROL
CB	CIRCUIT BREAKER
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CLG	CEILING
COM	COMMUNICATION
CT	CURRENT TRANSFORMER
CU	COPPER
(D)	DEMOLISH
(E)	EXISTING
(ER)	EXISTING TO BE RELOCATED
EF	EXHAUST FAN
ECH	ELECTRIC CONVECTION HEATER
F	FUSE
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
G, GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID STEEL CONDUIT
KVA	KILOVOLT AMPERES
KW	KILOWATT
LED	LIGHT EMITTING DIODE
MDB	MAIN DISTRIBUTION BOARD
MDP	MAIN DISTRIBUTION PANEL
MSB	MAIN SWITCHBOARD
MT, MTD	MOUNT, MOUNTED
MT	EMPTY CONDUIT WITH NYLON PULL CORD
N/A	NOT APPLICABLE
(N)	NEW
N	NEUTRAL
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OS	OCCUPANCY SENSOR
PH	PHASE
PHP	PACKAGED HEAT PUMP
PNL	PANEL
REF	REFERENCE
REQD	REQUIRED
S	SWITCH
SIM	SIMILAR
TELE	TELEPHONE
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
V	VOLTS, VOLTAGE
W/	WITH
W	WIRE, WHITE
WP	WEATHERPROOF
XFMR	TRANSFORMER

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	GENERAL
X / X	DETAIL NUMBER AND SHEET LOCATION
	NEW WORK
XX-X LOCATION	EQUIPMENT IDENTIFICATION
1	KEYED NOTE
	LIGHTING
	CEILING FAN
	EXIT SIGN CEILING MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN
	EXIT SIGN WALL MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN
	AREA LUMINAIRE ARM MOUNTED WITH POLE AND CONCRETE BASE
	SURFACE OR PENDANT MOUNTED LUMINAIRE
	SURFACE OR PENDANT MOUNTED LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT
	WALL MOUNTED LUMINAIRE
	BOLLARD
	MISCELLANEOUS
#10 3/4"C B-27,29,31. B-27,29,31.	BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.
	BRANCH PANEL
	CIRCUIT BREAKER
	CURRENT TRANSFORMER
M	DIGITAL TYPE METER WITH VOLTMETER, AMMETER, KW METER, KVA METER, KVAR METER, AND %THD METER
	EQUIPMENT CONNECTION ITEM. REFER TO SCHEDULE
	FLUSH MOUNT EQUIPMENT ENCLOSURE AS NOTED
	FLUSH WALL MOUNTED BRANCH PANEL
	GROUND ROD
	GROUNDING POINT
	LANDING LUG
	MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL
M	METER WITH CONNECTION
	SURFACE MOUNT EQUIPMENT ENCLOSURE AS NOTED

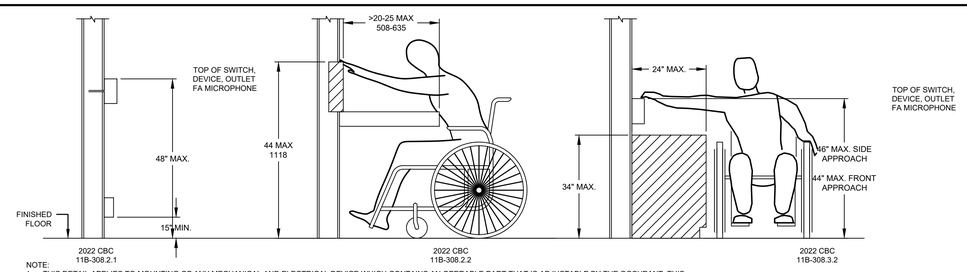
ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
UT	UTILITY TRANSFORMER PAD/VAULT
	WALL MOUNTING BRACKET
	WATER PIPE GROUND CONNECTION
	CONNECTIONS / EQUIPMENT
	HEAVY DUTY FUSED DISCONNECT SWITCH
J OR J	**JUNCTION BOX**
J	JUNCTION BOX WITH FLEX CONNECTION TO EQUIPMENT
J	WALL-MOUNTED JUNCTION BOX
	NON-FUSED DISCONNECT SWITCH
T	TRANSFORMER
M	DOORBELL - NUTONE #LA11WH +7'-6"
	DOORBELL PUSH BUTTON
	ENCLOSED CIRCUIT BREAKER
	RACEWAYS
	CONDUIT CONCEALED IN WALL OR CEILING SPACE
	CONDUIT ROUTED BELOW FLOOR / GRADE
	CATV ROUTED BELOW FLOOR / GRADE
	TEL/DATA ROUTED BELOW FLOOR / GRADE
	CONDUIT ELLED DOWN
	CONDUIT ELLED UP
	CONDUIT/WIRING CONTINUATION
	CONDUIT/WIRING STUBBED OUT WITH END CAP OR INSULATED PLASTIC BUSHING
	FLEXIBLE CONDUIT
	TELEPHONE BACKBOARD
	TELECOMMUNICATIONS
▽	RACEWAY ONLY DATA OUTLET. PROVIDE DOUBLE GANG BACK BOX AND SINGLE OR DOUBLE GANG ADAPTER PLATE (VERIFY) WITH 1" C. AND PULLSTRING TO ACCESSIBLE CEILING SPACE. SEE LETTER CODE LIST AT DATA/TELEPHONE OUTLET FOR OPTIONS.
▽	RACEWAY ONLY DATA/TELEPHONE OUTLET. PROVIDE DOUBLE GANG BACK BOX AND SINGLE OR DOUBLE GANG ADAPTER PLATE (VERIFY) WITH 1" C. AND PULLSTRING TO ACCESSIBLE CEILING SPACE. (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS) A = ABOVE COUNTER C = CEILING MOUNTED ABOVE ACCESSIBLE CEILING F = FLUSH CEILING MOUNTED R = SURFACE MOUNTED ON RACEWAY
▼	RACEWAY ONLY TELEPHONE OUTLET. PROVIDE DOUBLE GANG BACK BOX AND SINGLE OR DOUBLE GANG ADAPTER PLATE (VERIFY) WITH 3/4" C. AND PULLSTRING TO ACCESSIBLE CEILING SPACE. SEE LETTER CODE LIST AT DATA/TELEPHONE OUTLET FOR OPTIONS.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	SWITCHES AND RECEPTACLES
	DUPLEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS) A = ABOVE COUNTER B = CLOCK HANGER C = FLUSH CEILING MOUNTED E = EMERGENCY F = ARC FAULT PROTECTED BY BREAKER IN PANEL G = GROUND FAULT CIRCUIT INTERRUPTER H = HOSPITAL GRADE K = CHILD RESISTANT COVER L = ISOLATED GROUND P = PENDANT MOUNTED WITH CORD GRIPS. VERIFY PENDANT LENGTH S = SPLIT WIRED T = TAMPER RESISTANT SHUTTERED RECEPTACLE W = WEATHERPROOF CONTINUOUS USE COVER, GFCI PROTECTED, WITH WEATHER-RESISTANT RECEPTACLE ? = DESIGNER DEFINED
	SPLIT DUPLEX RECEPTACLE, TOP IS CONTROLLED
	DOUBLE DUPLEX RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
	SINGLE RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
	EQUIPMENT ELECTRICAL CONNECTION
	SPECIAL PURPOSE RECEPTACLE. LETTER CODE DENOTES RECEPTACLE CONFIGURATION LX-XXR = NEMA CONFIGURATION TWIST-LOCK RECEPTACLE X-XXR = NEMA CONFIGURATION STRAIGHT BLADE RECEPTACLE P = PENDANT MOUNT WITH CORD GRIPS. VERIFY PENDANT LENGTH X = COORDINATE RECEPTACLE CONFIGURATION WITH EQUIPMENT BEING SUPPLIED
	DEVICE OUTLETS SHALL BE NO MORE THAN +48" AFF TO TOP OF BOX NOR LESS THAN +15"AFF TO BOTTOM OF BOX PER CBC 11B-308.1.2
$	SINGLE POLE SWITCH 2 = DOUBLE POLE SWITCH 3 = THREE-WAY SWITCH 4 = FOUR-WAY SWITCH a THRU z (LOWERCASE) = LUMINAIRE CONTROL DESIGNATION F = FAN SPEED CONTROL K = KEY OPERATED SWITCH L = LIGHTED HANDLE M = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD P = SWITCH WITH PILOT LIGHT S = SENTRY SWITCH T = INTERVAL TIMER W = WEATHERPROOF SWITCH V = LOW VOLTAGE SWITCH ? = DESIGNER DEFINED SWITCH
HD a,b,c	MANUAL DIMMER WITH ON/OFF OVERRIDE. PROVIDE SEPARATE DIMMER AND BOX FOR EACH ZONE INDICATED.
HOS	WALL MOUNTED DUAL TECH OCCUPANCY SENSOR WITH DIMMER AND MANUAL ON/OFF OVERRIDE
	DUPLEX RECEPTACLE, FLUSH FLOOR
OS	CEILING MOUNTED OCCUPANCY SENSOR (SELF CONTAINED)
DS	CEILING MOUNTED DAYLIGHTING SENSOR
XX-1 (SEE SCHEDULE)	MOTOR / ELECTRICAL EQUIPMENT

MOUNTING OVER OBSTRUCTION DETAIL



NOTE:
1. THIS DETAIL APPLIES TO MOUNTING OF ANY MECHANICAL AND ELECTRICAL DEVICE WHICH CONTAINS AN OPERABLE PART THAT IS ADJUSTABLE BY THE OCCUPANT. THIS DOES NOT APPLY TO SENSORS OR CONTROLS THAT ARE ONLY ADJUSTABLE THROUGH THE BUILDING AUTOMATION SYSTEM (IE: TEMPERATURE AND HUMIDITY SENSORS).

ELECTRICAL GENERAL NOTES

A. ALL WORK SHALL COMPLY WITH ALL LOCAL AND STATE CODES AND AUTHORITIES HAVING JURISDICTION.

B. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE ALL REQUIRED INSPECTIONS.

C. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS AND TRADES.

D. THESE DRAWINGS, AS PREPARED, ARE DIAGRAMMATIC BUT SHALL BE FOLLOWED AS CLOSELY AS CONSTRUCTION OF THE PROJECT AND THE WORK OF THE TRADES WILL PERMIT. EQUIPMENT LOCATIONS INDICATED ARE APPROXIMATE. COORDINATE EXACT LOCATIONS AND REQUIRED CLEARANCES WITH EQUIPMENT SUPPLIER AND ALL TRADES PRIOR TO INSTALLATION.

E. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THE EQUIPMENT INDICATED WITHIN THESE DRAWINGS UNLESS OTHERWISE NOTED. VERIFY LOCATION AND DIMENSIONS IN THE FIELD PRIOR TO FABRICATION AND / OR INSTALLATION.

F. ALL ROOF PENETRATIONS SHALL BE AT THE CONTRACTOR'S EXPENSE. COORDINATE WITH OWNER'S ROOFING CONTRACTOR SO AS NOT TO VOID ANY EXISTING ROOF WARRANTIES.

G. THE ENTIRE INSTALLATION SHALL BE GUARANTEED FREE OF DEFECTS AND CONTRACTOR SHALL REPAIR AND / OR REPLACE ANY DEFECTIVE MATERIALS OR EQUIPMENT AT NO COST TO THE OWNER FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY ARCHITECT OR ENGINEER.

H. ALL WORK SHALL BE SUBJECT TO THE ACCEPTANCE AND APPROVAL OF THE ARCHITECT AND OWNER. THE ARCHITECT SHALL BE NOTIFIED OF ANY AND ALL DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK. FAILURE OF PROPER NOTIFICATION DOES NOT RELIEVE THE CONTRACTOR. THE CONTRACTOR SHALL CORRECT ANY AND ALL WORK ARISING FROM SUCH FAILURE TO COORDINATE DISCREPANCIES TO THE SATISFACTION OF THE ARCHITECT WITHOUT ADDITIONAL COST TO THE OWNER.

I. ALL JUNCTION BOXES SHOWN ON THIS PLAN ARE TO BE INSTALLED ABOVE THE FINISHED CEILING.

ELECTRICAL DEMOLITION NOTES

A. THE ELECTRICAL DRAWING SET IS PREPARED BASE OF LIMITED FIELD OBSERVATION ONLY. ACTUAL CONDITIONS MAY VARY IN FIELD. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ELECTRICAL ENGINEER OF RECORD PRIOR TO BID.

B. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.

C. DISCONNECT AND MOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN DEMOLITION AREAS UNLESS NOTED OTHERWISE.

D. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY TO CONTINUITY OF CIRCUIT(S) TO ANY EXISTING DEVICES TO REMAIN. COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.

E. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF ANY FEEDERS OR BRANCH CIRCUIT ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.

F. FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS/DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATION/DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.

G. DISCONNECT AND REMOVE LIGHT SWITCHES IN DEMOLITION AREAS AS NECESSARY TO ACCOMMODATE NEW DOOR CONFIGURATIONS.

H. DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACK BOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL. FURNISH AND INSTALL CONDUIT AND WIRE AS REQUIRED FOR CONTINUITY OF CIRCUIT(S).

I. FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING(MP), MECHANICAL DUCTS(MD), PLUMBING PIPING(PP), ELECTRICAL DISTRIBUTION SYSTEMS(E):

MP☐ MD☐ PP☐ E☒ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP☐ MD☐ PP☐ E☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL

MP☐ MD☐ PP☐ E☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

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DATE: 04/11/2025

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KEYNOTES

NOTES

capital engineering
RANCHO CORDOVA, CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JOHN D. GUMA NO. E 24187 EXP. 9/30/26 ELECTRICAL STATE OF CALIFORNIA

JG - JSG 240047.00
PM - DESIGN TEAM PROJECT NO.

DATE SIGNED: 04-04-2025

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
ELECTRICAL COVER SHEET

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** CLIENT PROJ NO: **3431007000**
SHEET:

E0.1-2

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PANELBOARD SCHEDULE - PANEL A31

Located at Building A

DESIGNATION	FEEDER NO.	POLES & AMPS	LOAD, VA LTG.	RECPT.	OTHER	C K	P H	C K	LOAD, VA LTG.	RECPT.	OTHER	POLES & AMPS	FEEDER NO.	DESIGNATION
LTG	1	1/20	768			1	A	2	849			1/20	1	LTG
EXIT SIGNS	1	1/20	15			3	B	4		900		1/20	1	RCPT AT PRINCIPAL & VICE PRINCIPAL
RCPT AT VICE PRINCIPAL & MEETING RM	1	1/20		900		5	C	6		900		1/20	1	RCPT AT MEETING RM & VICE PRINCIPAL
RCPT AT VICE PRINC. & OPEN OFFICE	1	1/20		900		7	A	8		900		1/20	1	RCPT AT RECEPTION & MEETING RM
RCPT AT MEETING RM & OPEN OFFICE	1	1/20		900		9	B	10		900		1/20	1	RCPT AT STORAGE & OPEN OFFICE
RCPT AT FILES & OPEN OFFICE	1	1/20		900		11	C	12				1/20	1	SPARE
RCPT AT OPEN OFFICE & NURSE EXAM	1	1/20		900		13	A	14			800	1/15	1	MINI-FRIDGE
RCPT AT NURSE TOILET & ELEC RM	1	1/20		720		15	B	16		720		1/20	1	RCPT AT TESTING RM
RCPT AT CAMPUS SUPERVISOR	1	1/20		720		17	C	18		500		1/20	1	RCPT AT OPEN OFFICE
RCPT AT OPEN OFFICE	1	1/20		500		19	A	20		500		1/20	1	RCPT AT OPEN OFFICE
COPIER	1	1/15			1400	21	B	22		500		1/20	1	RCPT AT OPEN OFFICE
WATER HEATER A1 AT NURSE TOILET	2	2/30			1560	23	C	24			100	1/15	1	CEF-A1 AT NURSE TOILET
					1560	25	A	26			1560	2/30	2	WATER HEATER A4 AT MEN TOILET
WATER HEATER A2 AT NURSE EXAM	2	2/30			1560	27	B	28			1560			
					1560	29	C	30			1560	2/30	2	WATER HEATER A5 AT JANITOR
WATER HEATER A3 AT WOMEN TOILET	2	2/30			1560	31	A	32			1560			
					1560	33	B	34		500		1/20	1	RCPT AT OPEN OFFICE
FIRE ALARM BOOSTER PANEL	1	1/20			1000	35	C	36		500		1/20	1	RCPT AT OPEN OFFICE
SPARE	1	1/20				37	A	38		500		1/20	1	RCPT AT OPEN OFFICE
SPARE	1	1/20				39	B	40		500		1/20	1	RCPT AT OPEN OFFICE
SPACE	1					41	C	42					1	SPACE
SECTION SUB-TOTALS			783	6440	11760				849	7820	7140			SECTION SUB-TOTALS

CATEGORY	CONN. LOAD KVA	AMPS	DESIGN LOAD DIV.	KVA	AMPS
LIGHTING:	1.6	4.5	1.25	2.0	5.7
RECEPTACLE:	14.3	39.6	0.85	12.1	33.7
MOTORS:	3.3	9.2	1.00	3.3	9.2
SPECIAL LOADS:	0.0	0.0	1.00	0.0	0.0
ELECTRIC HEATING:	0.0	0.0	1.00	0.0	0.0
WATER HEATING:	15.6	43.4	1.00	15.6	43.4
EVSE/EVCS	0.0	0.0	1.25	0.0	0.0
TOTAL:	34.8	96.7		33.1	91.9

MOUNTING:	SURFACE
VOLTS:	120/208
PHASE/WIRE:	3/4
MAINS SIZE:	225 AMPS
MAINS TYPE:	MLO
BUSS TYPE:	COPPER
BRKR TYPE:	BOLT-IN
A.I.C. (RMS):	65,000
A Phase	12.4 Connected Kva
B Phase	11.2 Connected Kva
C Phase	10.2 Connected Kva

REMARKS:

FEEDER NO.:
1 = 2 #12, #12G - 1/2"C
2 = 2 #10, #10G - 3/4"C

PANELBOARD SCHEDULE - PANEL B3

Located at Building B

DESIGNATION	FEEDER NO.	POLES & AMPS	LOAD, VA LTG.	RECPT.	OTHER	C K	P H	C K	LOAD, VA LTG.	RECPT.	OTHER	POLES & AMPS	FEEDER NO.	DESIGNATION
LTG	1	1/20	570			1	A	2	496			1/20	1	LTG
EXIT SIGNS	1	1/20	10			3	B	4		900		1/20	1	RCPT AT PSYCH & SPEECH ROOMS
RCPT AT SPEECH RM & CUST.	1	1/20		900		5	C	6		900		1/20	1	RCPT AT MENTAL HEALTH & LOUNGE
REFRIGERATOR	1	1/15			800	7	A	8			1500	2/20	1	DISHWASHER
MICROWAVE	1	1/20			1200	9	B	10			1500			
RCPT AT LOUNGE	1	1/20		900		11	C	12			1200	1/20	1	MICROWAVE
RCPT AT COUNSELOR ROOMS	1	1/20		900		13	A	14		900		1/20	1	RCPT AT LOUNGE & COUNSELOR
CEF-B1 AT CUST.	1	1/15			100	15	B	16		900		1/20	1	RCPT AT COUNSELOR & WAITING RM
WATER HEATER	2	2/30			1560	17	C	18				1/20	1	SPARE
					1560	19	A	20				1/20	1	SPARE
SPARE	1	1/20				21	B	22				1/20	1	SPARE
SPARE	1	1/20				23	C	24				1/20	1	SPARE
SPARE	1	1/20				25	A	26				1/20	1	SPARE
SPARE	1	1/20				27	B	28				1/20	1	SPARE
SPARE	1	1/20				29	C	30				1/20	1	SPARE
SPACE	1					31	A	32					1	SPACE
SPACE	1					33	B	34					1	SPACE
SPACE	1					35	C	36					1	SPACE
SECTION SUB-TOTALS			580	2700	5220				496	3600	4200			SECTION SUB-TOTALS

CATEGORY	CONN. LOAD KVA	AMPS	DESIGN LOAD DIV.	KVA	AMPS
LIGHTING:	1.1	3.0	1.25	1.3	3.7
RECEPTACLE:	6.3	17.5	1.00	6.3	17.5
MOTORS:	7.9	21.8	1.00	7.9	21.8
SPECIAL LOADS:	0.0	0.0	1.00	0.0	0.0
ELECTRIC HEATING:	0.0	0.0	1.00	0.0	0.0
WATER HEATING:	1.6	4.3	1.00	1.6	4.3
EVSE/EVCS	0.0	0.0	1.25	0.0	0.0
TOTAL:	16.8	46.7		17.1	47.4

MOUNTING:	SURFACE
VOLTS:	120/208
PHASE/WIRE:	3/4
MAINS SIZE:	225 AMPS
MAINS TYPE:	MLO
BUSS TYPE:	COPPER
BRKR TYPE:	BOLT-IN
A.I.C. (RMS):	65,000
A Phase	6.7 Connected Kva
B Phase	4.6 Connected Kva
C Phase	5.5 Connected Kva

REMARKS:
(1) MATCH KAIC RATING OF EXISTING CIRCUIT BREAKERS

FEEDER NO.:
1 = 2 #12, #12G - 1/2"C
2 = 2 #10, #10G - 3/4"C

PANELBOARD SCHEDULE - (E)PANEL B2

Located at Building B

DESIGNATION	FEEDER NO.	POLES & AMPS	LOAD, VA LTG.	RECPT.	OTHER	C K	P H	C K	LOAD, VA LTG.	RECPT.	OTHER	POLES & AMPS	FEEDER NO.	DESIGNATION
EXISITING LOAD	1	1/20				1	A	2				1/20	1	EXISITING LOAD
EXISITING LOAD	1	1/20				3	B	4				1/20	1	EXISITING LOAD
EXISITING LOAD	1	1/20				5	C	6				1/20	1	EXISITING LOAD
SPARE	1	1/20				7	A	8			5600			
SPARE	1	1/20				9	B	10			5600	3/100	3	PANEL "B3"
SPARE	1	1/20				11	C	12			5600			
SPARE	1	1/20				13	A	14				1/20	1	EXISITING LOAD
SPARE	1	1/20				15	B	16				1/20	1	EXISITING LOAD
SPARE	1	1/20				17	C	18				1/20	1	EXISITING LOAD
SECTION SUB-TOTALS			0	0	0				0	0	16800			SECTION SUB-TOTALS

CATEGORY	CONN. LOAD KVA	AMPS	DESIGN LOAD DIV.	KVA	AMPS
LIGHTING:	0.0	0.0	1.25	0.0	0.0
RECEPTACLE:	0.0	0.0	1.00	0.0	0.0
MOTORS:	16.8	46.7	1.00	16.8	46.7
SPECIAL LOADS:	0.0	0.0	1.00	0.0	0.0
ELECTRIC HEATING:	0.0	0.0	1.00	0.0	0.0
WATER HEATING:	0.0	0.0	1.00	0.0	0.0
EVSE/EVCS	0.0	0.0	1.25	0.0	0.0
TOTAL:	16.8	46.7		16.8	46.7

MOUNTING:	SURFACE
VOLTS:	120/208
PHASE/WIRE:	3/4
MAINS SIZE:	225 AMPS
MAINS TYPE:	MLO
BUSS TYPE:	COPPER
BRKR TYPE:	BOLT-IN
A.I.C. (RMS):	65,000
A Phase	5.6 Connected Kva
B Phase	5.6 Connected Kva
C Phase	5.6 Connected Kva

REMARKS:

FEEDER NO.:
1 = 2 #12, #12G - 1/2"C
2 = 2 #10, #10G - 3/4"C
3 = 3 #1, #6G - 1-1/2"C

CONDUIT AND WIRE SCHEDULE

FEEDER SIZE	(FEEDER SIZE) 2 2-WIRE+EQUIP GND	(FEEDER SIZE) 3 3-WIRE+EQUIP GND	(FEEDER SIZE) 4 4-WIRE+EQUIP GND
20	2 #12, #12G - 1/2"C	3 #12, #12G - 1/2"C	4 #12, #12G - 1/2"C
30	2 #10, #10G - 3/4"C	3 #10, #10G - 3/4"C	4 #10, #10G - 3/4"C
40	2 #8, #10G - 1"C	3 #8, #10G - 1"C	4 #8, #10G - 1"C
50	2 #6, #10G - 1"C	3 #6, #10G - 1-1/4"C	4 #6, #10G - 1-1/4"C
60	2 #4, #8G - 1"C	3 #4, #8G - 1-1/4"C	4 #4, #8G - 1-1/4"C
70	2 #4, #8G - 1"C	3 #4, #8G - 1-1/4"C	4 #4, #8G - 1-1/4"C
80	2 #3, #8G - 1"C	3 #3, #8G - 1-1/4"C	4 #3, #8G - 1-1/4"C
100	2 #2, #8G - 1-1/4"C	3 #2, #8G - 1-1/2"C	4 #2, #8G - 1-1/2"C
125	2 #1, #6G - 1-1/4"C	3 #1, #6G - 1-1/2"C	4 #1, #6G - 2"C
150	2 #1/0, #6G - 1-1/4"C	3 #1/0, #6G - 1-1/2"C	4 #1/0, #6G - 2"C
175	2 #2/0, #6G - 1-1/2"C	3 #2/0, #6G - 1-1/2"C	4 #2/0, #6G - 2"C
200	2 #3/0, #6G - 1-1/2"C	3 #3/0, #6G - 2"C	4 #3/0, #6G - 2"C
225	2 #4/0, #4G - 2"C	3 #4/0, #4G - 2"C	4 #4/0, #4G - 2-1/2"C
250	2 #250, #4G - 2"C	3 #250, #4G - 2-1/2"C	4 #250, #4G - 2-1/2"C
300	2 #350, #4G - 2"C	3 #350, #4G - 2-1/2"C	4 #350, #4G - 3"C
400		2 SETS: 3 #3/0, #3G - 2"C	2 SETS: 4 #3/0, #3G - 2-1/2"C
600		2 SETS: 3 #350, #1G - 2-1/2"C	2 SETS: 4 #350, #1G - 3"C
800		3 SETS: 3 #300, #1/0G - 2-1/2"C	3 SETS: 4 #300, #1/0G - 2-1/2"C
1000		3 SETS: 3 #400, #2/0G - 2-1/2"C	3 SETS: 4 #400, #2/0G - 3"C
1200		4 SETS: 3 #350, #3/0G - 2-1/2"C	4 SETS: 4 #350, #3/0G - 3"C
2000		6 SETS: 3 #400, #250G - 3"C	6 SETS: 4 #400, #250G - 3"C
2500		7 SETS: 3 #500, #350G - 3"C	7 SETS: 4 #500, #350G - 4"C

200.4 FEEDER DESIGNATION

- SYSTEM DESCRIPTION:
  2 - 2-WIRE+EQUIP GND
  3 - 3-WIRE+EQUIP GND
  4 - 4-WIRE+EQUIP GND
- CONDUCTOR AMPACITY: (SEE FEEDER SCHEDULE)

GENERAL NOTES:

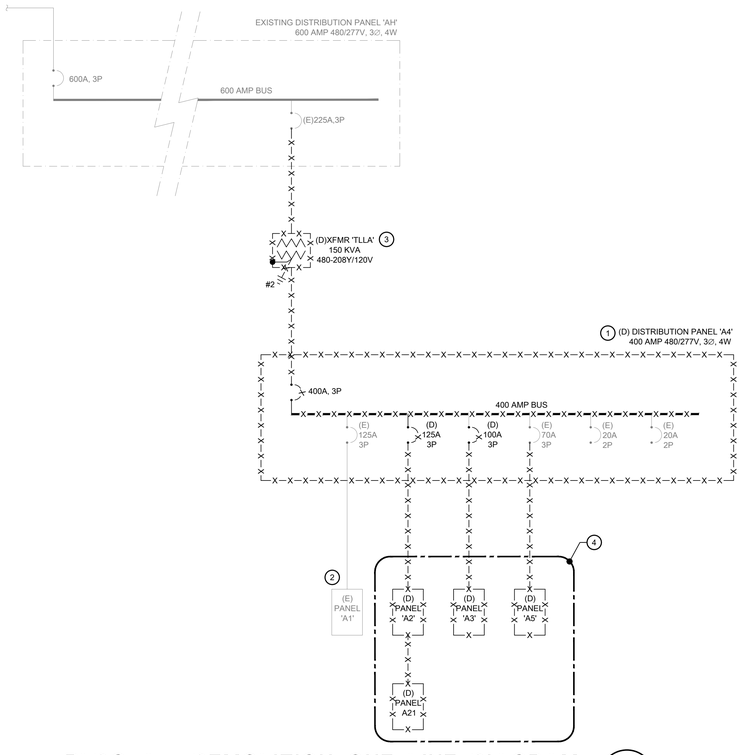
A. THE ABOVE FEEDER SCHEDULE IS A SCHEDULE OF TYPICAL FEEDERS AND SOME SIZES MAY NOT BE UTILIZED.

B. ALL CONDUCTOR AMPACITIES ARE BASED ON TABLE 310-15(b)(16) OF THE NEC FOR COPPER CONDUCTOR TYPE THW/THWN.

C. WHERE MULTIPLE CONDUITS AND CONDUCTORS ARE INDICATED FOR A SINGLE FEEDER, EACH CONDUIT SHALL CONTAIN 1 PARALLEL PHASE, NEUTRAL, AND GROUND CONDUCTORS INDICATED.

E. CONDUIT ABOVE GRADE INDOORS SHALL BE EMT. CONDUIT ABOVE GRADE OUTDOORS SHALL BE GALVANIZED IMC OR RMC. CONDUIT BELOW GRADE SHALL BE PVC WITH GALVANIZED RMC ELBOWS. CONDUIT SIZE INDICATED IS MINIMUM SIZE REGARDLESS OF CONDUIT TYPE.

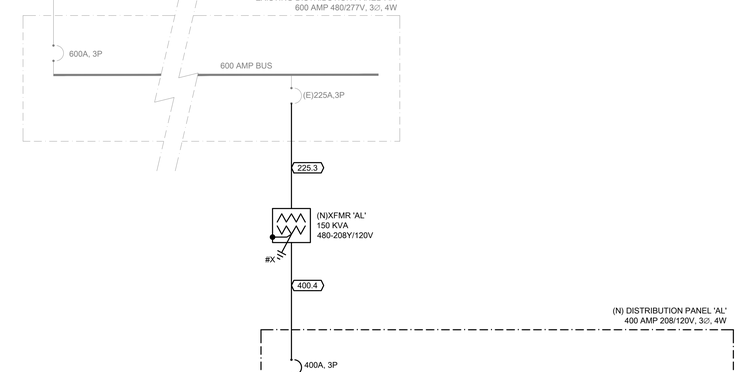
F. CONDUITS SIZED LARGER THAN INDICATED SHALL BE PERMITTED FOR RUNS WITH UP TO (4) 90° ELBOWS, OR FOR PULLING LONGER RUNS.



BLDG A - DEMOLITION ONE LINE DIAGRAM

SCALE : NONE

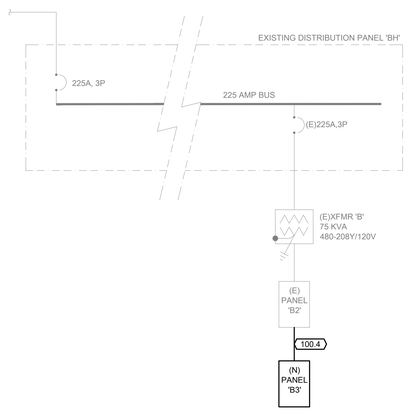
1 E0.2-2



BLDG A - RENOVATION ONE LINE DIAGRAM

SCALE : NONE

2 E0.2-2



BLDG B - ONE LINE DIAGRAM

SCALE : NONE

3 E0.2-2

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KEYNOTES

DEMOLITION KEYNOTES:

1 DEMO EXISTING DISTRIBUTION PANEL 'A4' INCLUDING ALL UNUSED WIRES AND CONDUIT BACK TO SOURCE.

2 EXISTING PANEL TO REMAIN. ABANDON EXISTING FEEDER CONDUIT AND WIRES. REFER TO 1/EPA2.10-2 FOR MORE INFORMATION.

3 DEMO EXISTING TRANSFORMER. ABANDON ALL UNUSED WIRES AND CONDUIT BACK TO SOURCE.

4 PRIOR TO DEMOLITION, EXAMINE EXISTING LOAD. ALL FIRE ALARM RELATED EXISTING LOADS SHALL BE REFERED TO NEW PANEL 'A31'. PROVIDE RED PAINTED CIRCUIT BREAKER WITH LOCK-ON CLIP.

⬡1 RENOVATION KEYNOTES:

PROVIDE NEW CONDUIT WIRES. REFER TO 1/EPA2.11-2 FOR MORE INFORMATION.

NOTES

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JUSTIN D. GUDA
E 24187
EXPIRES: 9/30/26
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STATE OF CALIFORNIA

capital engineering
RANCHO CORDOVA, CALIFORNIA

JG - JSG 240047.00
PM - DESIGN TEAM PROJECT NO.

DATE SIGNED: 04-04-2025

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
ELECTRICAL ONE-LINE DIAGRAM

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

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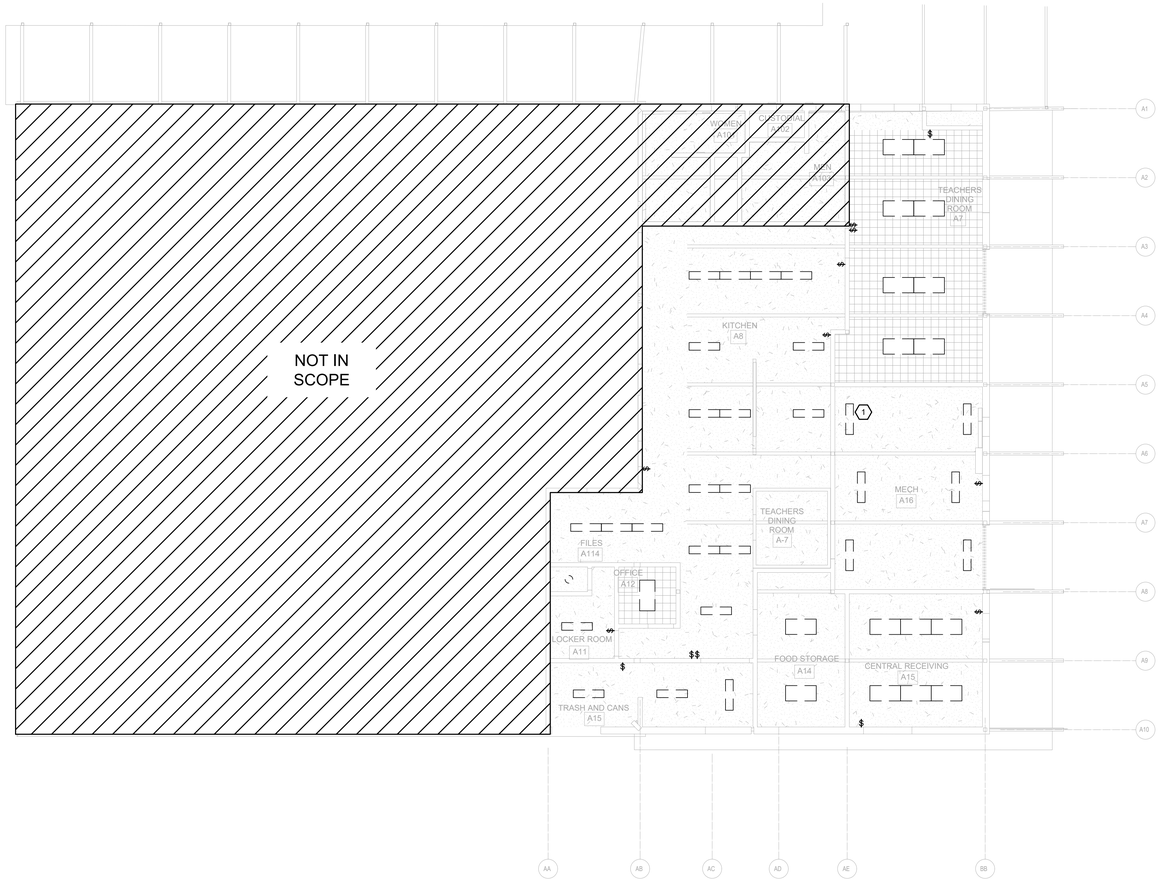

LIGHTING - DEMO FLOOR PLAN - BLDG A

SCALE : 1/8" = 1'-0"

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Δ	DESCRIPTION	DATE

KEYNOTES

1 TYPICAL - DEMO EXISTING LIGHTING FIXTURES SHOWN INCLUDING UNUSED CONDUITS AND WIRES AND ASSOCIATED LIGHTING CONTROLS BACK TO SOURCE.

NOTES

REGISTERED PROFESSIONAL ENGINEER (JOHN D. GUAY) E 24187 EXPIRES 9/30/26 ELECTRICAL STATE OF CALIFORNIA

capital engineering
RANCHO CORDOVA, CALIFORNIA

JG - JSG 240047.00
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945 SOUTH HAM LANE LODI, CA 95242

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LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
LIGHTING - DEMO FLOOR PLAN - BLDG A

CONSTRUCTION DOCUMENTS

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LIGHTING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	LAMPS	VOLTS	WATTS	COLOR	LUMENS	MOUNTING	NOTES	WEIGHT (LB)
L24A	2X4 FULLY SWITCHABLE FLAT PANEL	LITHONIA LIGHTING CPANL 2X4 ALO6 SWW7 M2	LED	MVOLT	36	35K	4000	RECEESED (6/E3.1-2)	1	17.8
L24B	2X4 FULLY SWITCHABLE FLAT PANEL	LITHONIA LIGHTING CPANL 2X4 ALO6 SWW7 M2 with DMCK 224	LED	MVOLT	36	35K	4000	SURFACED (3/E3.1-2)	1	17.8
L24B1	2X4 FULLY SWITCHABLE FLAT PANEL	LITHONIA LIGHTING CPANL 2X4 ALO6 SWW7 M2 with DMCK 224	LED	MVOLT	36	35K	4000	SURFACED (3/E3.1-2)	1	17.8
L22	2X2 FULLY SWITCHABLE FLAT PANEL	LITHONIA LIGHTING CPANL 2X2 ALO1 SWW7 M4 with DMCK 224	LED	MVOLT	22	35K	2400	SURFACED (3/E3.1-2)	1	9
L14	AVX LED VANDAL-RESISTANT WRAP	HE WILLIAMS AVX-4'-L62-8-35-WPC	LED	MVOLT	57	40K	4315	SURFACED (7/E3.1-2)	1	9
SL1	LED STRIPLIGHT 48"	LITHONIA LIGHTING ZL1N L48 3000LM FST MVOLT 35K 80CRI WH	LED	MVOLT	25	35K	3000	SURFACED (3/E3.1-2)	1	12
DPA	GENERAL ILLUMINATION PENDANT STEM CYLINDER 4"	GOTHAM EVO EVO4PC 35/25 AR MWD LSS MVOLT EZ1	LED	MVOLT	25.7	35K	2500	RIGID STEM AT 7'-1" AFF (2/E3.1-2)		7
DPB	GENERAL ILLUMINATION PENDANT STEM CYLINDER 4"	GOTHAM EVO EVO4PC 35/25 AR MWD LSS MVOLT EZ1	LED	MVOLT	25.7	35K	2500	RIGID STEM AT 7'-8" AFF (2/E3.1-2)		7
D1	GENERAL ILLUMINATION ROUND DOWNLIGHT 4"	GOTHAM EVO EVO4 35/25 AR MWD LSS 120 EZ1	LED	120	25.7	35K	2500	SURFACED (3/E3.1-2)	1	7
EM1	EMERGENCY LIGHT	LITHONIA ELM6L UVOLT LTP	LED	MVOLT	3			WALL (1/E3.1-2)	1	4
X	EMERGENCY EXIT COMBO	BREZZA BRZ LR U BLK	LED	MVOLT	5			WALL (1/E3.1-2)	1	4

NOTES:

1 COORDINATE FINAL MOUNTING HEIGHT IN FIELD WITH ARCHITECT.

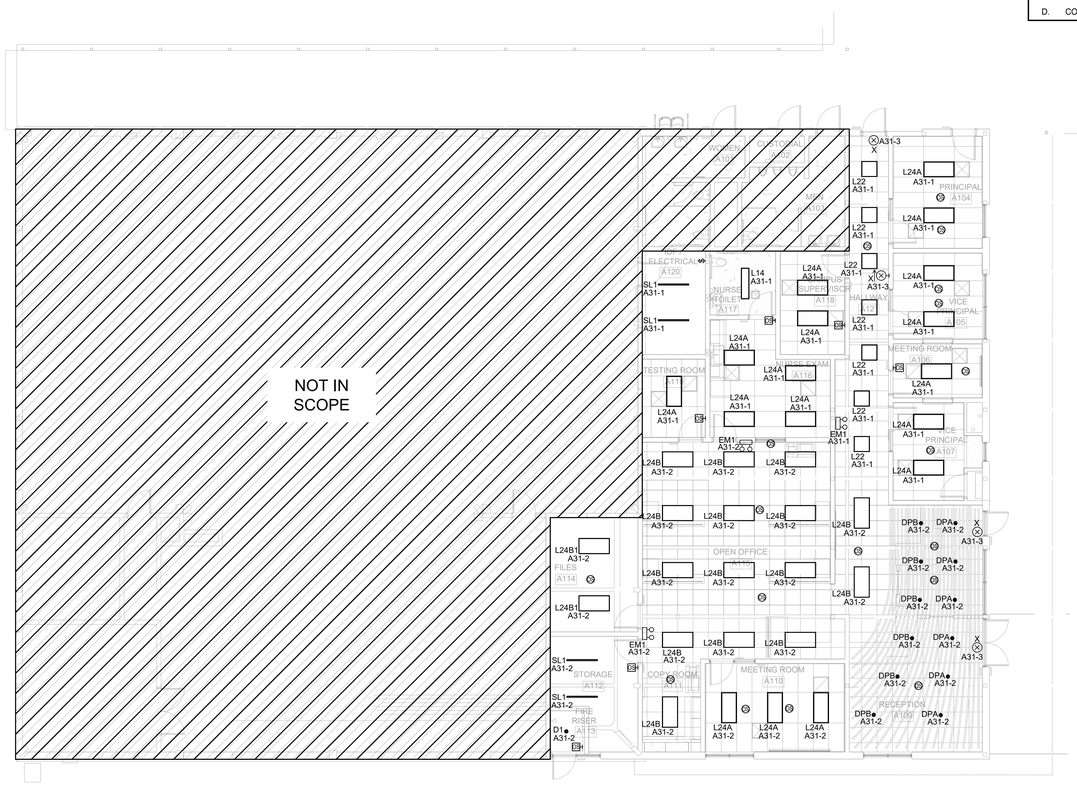
GENERAL NOTES:

A. THIS LIGHTING SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL CONTAINING ELECTRICAL SPECIFICATIONS.
SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.

B. PROVIDE SUBMITTALS THAT INCLUDE LIGHTING FIXTURE, LAMP, AND DRIVER INFORMATION FOR EACH FIXTURE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED. SUBMITTALS NOT INCLUDING THIS INFORMATION WILL BE RETURNED AS REJECTED BY THE ENGINEER OF RECORD.

C. PROVIDE COMMISSIONING OF THE LIGHTING AND LIGHTING CONTROLS IN ACCORDANCE WITH CALIFORNIA TITLE 24 COMMISSIONING REQUIREMENTS.

D. COORDINATE COLOR TEMPERATURE WITH ARCHITECT.



LIGHTING - FLOOR PLAN - BLDG A

SCALE : 1/8" = 1'-0"

1 ELA2.11-2

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ELECTRICAL
STATE OF CALIFORNIA

capital engineering
RANCHO CORDOVA, CALIFORNIA

JG - JSG 240047.00
PM - DESIGN TEAM PROJECT NO.

DATE SIGNED: 04-04-2025

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
LIGHTING - FLOOR PLAN - BLDG A

CONSTRUCTION DOCUMENTS

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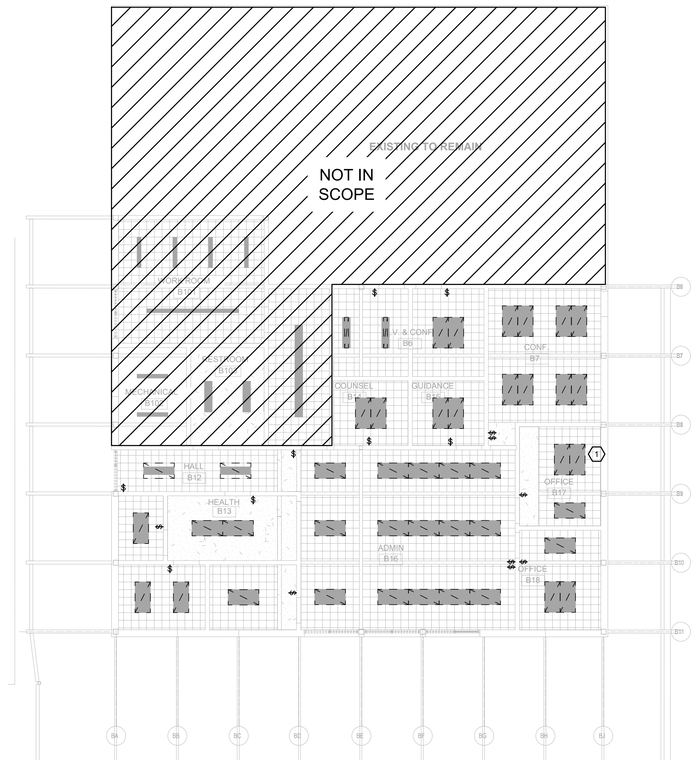

LIGHTING - DEMO FLOOR PLAN - BLDG B

1
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SCALE : 1/8" = 1'-0"

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1 TYPICAL - DEMO EXISTING LIGHTING FIXTURES SHOWN INCLUDING UNUSED CONDUITS AND WIRES AND ASSOCIATED LIGHTING CONTROLS BACK TO SOURCE.

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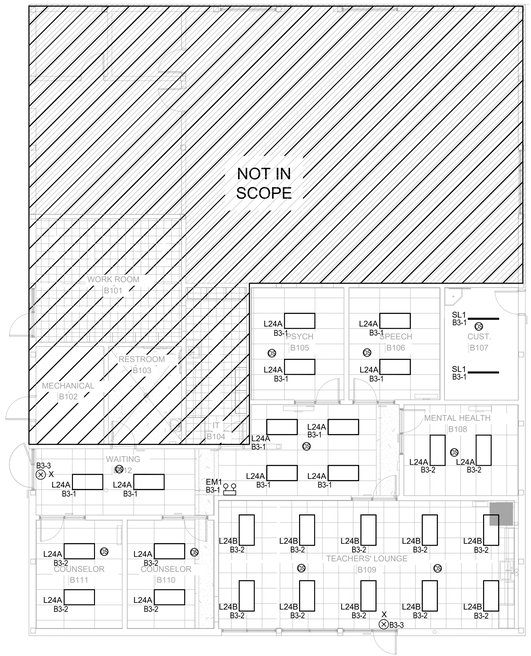

LIGHTING - FLOOR PLAN - BLDG B

1 ELB2.11-2

SCALE : 1/8" = 1'-0"

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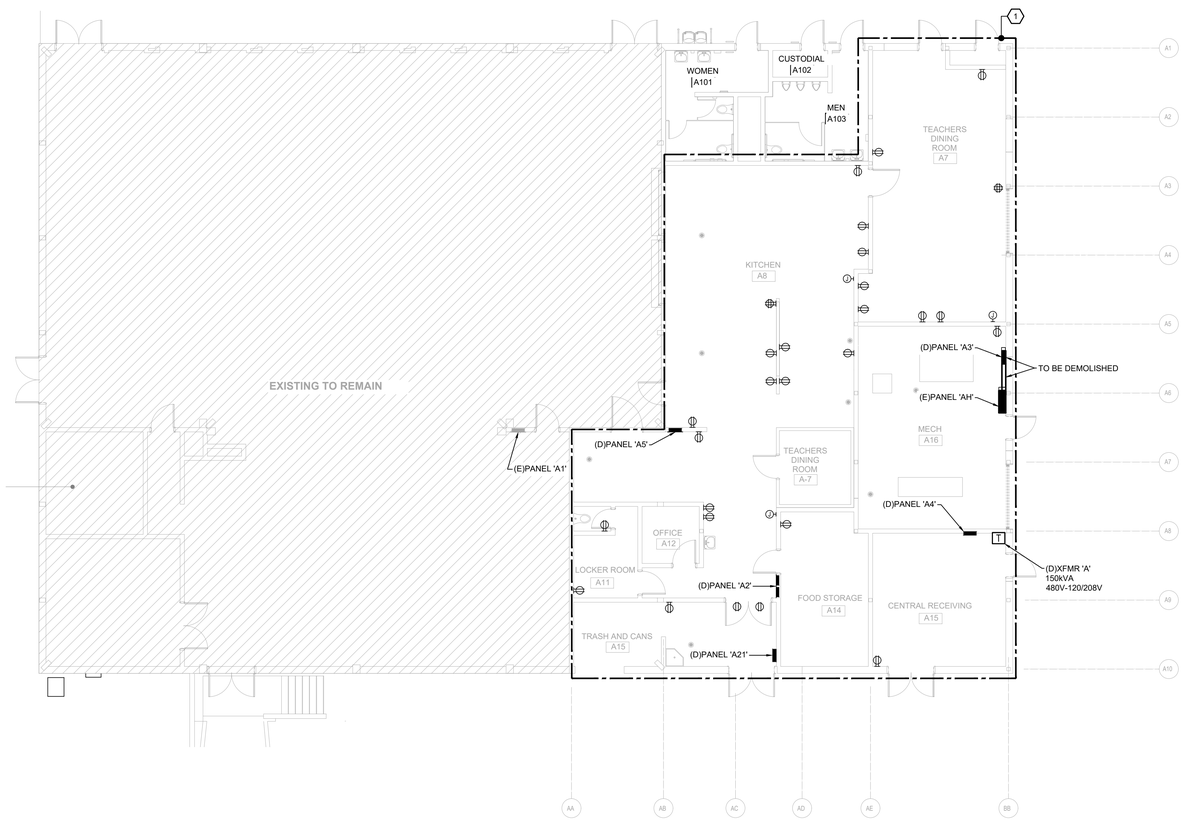

POWER - DEMO FLOOR PLAN - BLDG A

SCALE : 1/8" = 1'-0"

1 / EPA2.10-2

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1 REMOVE EXISTING POWER DEVICE, ASSOCIATED WIRES, AND APPURTENANCES IN THIS AREA BACK TO SOURCE.

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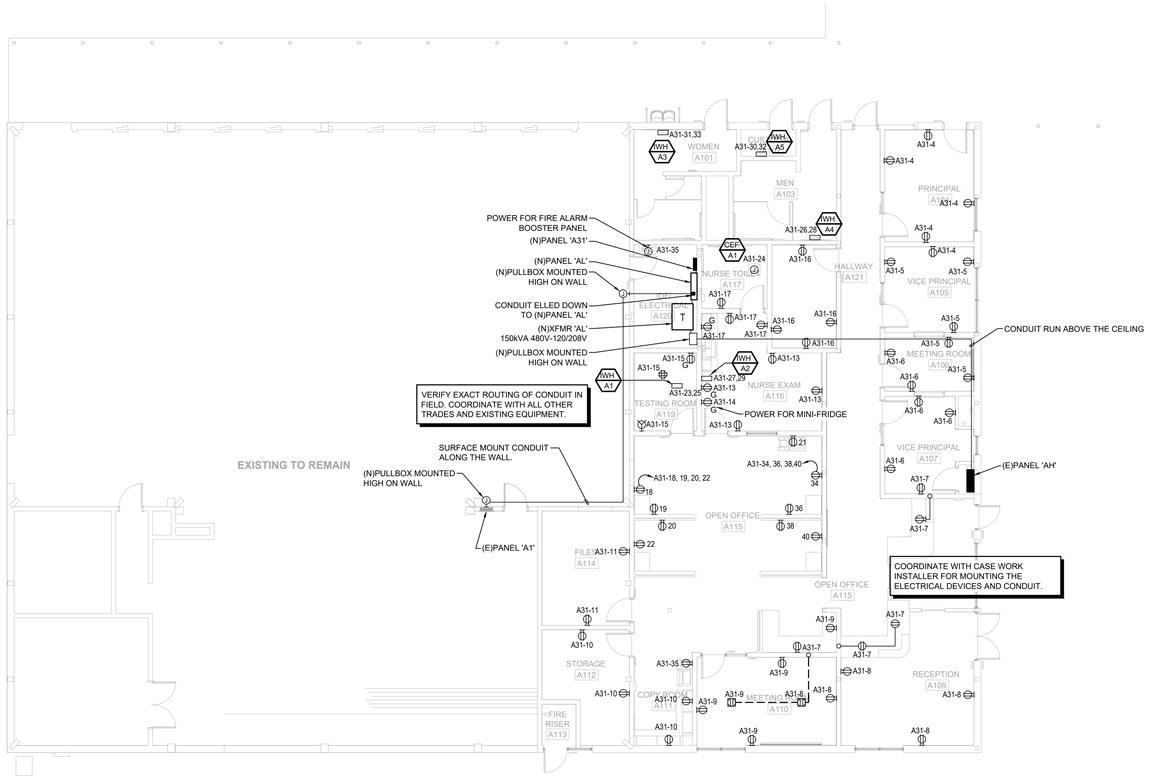

POWER - FLOOR PLAN - BLDG A

SCALE : 1/8" = 1'-0"

1 EPA2.11-2

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1 POWER FEED J-BOX.

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PROJECT:
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Author

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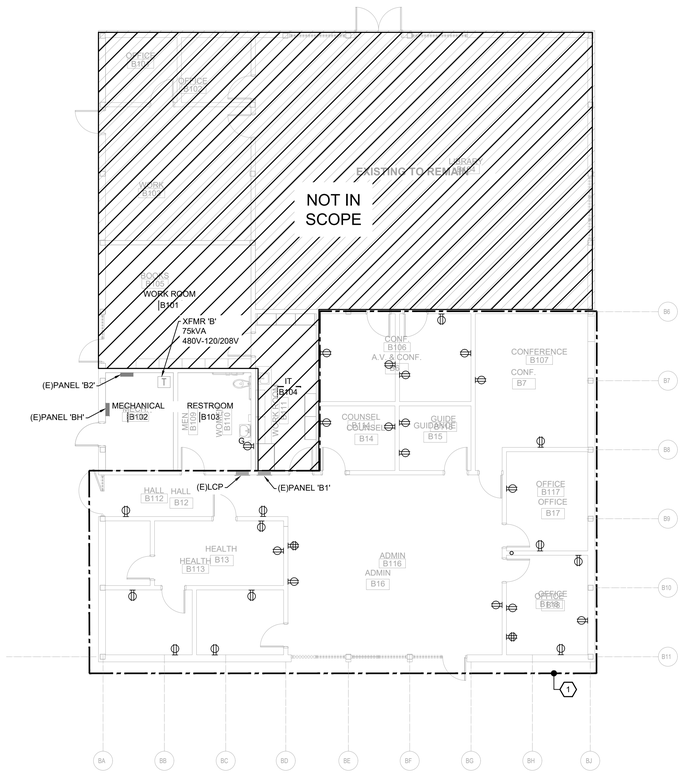

POWER - DEMO FLOOR PLAN - BLDG B

SCALE : 1/8" = 1'-0"

1 EPB2.10-2

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1 REMOVE EXISTING POWER DEVICE, ASSOCIATED WIRES, AND APPURTENANCES IN THIS AREA BACK TO SOURCE.

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LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
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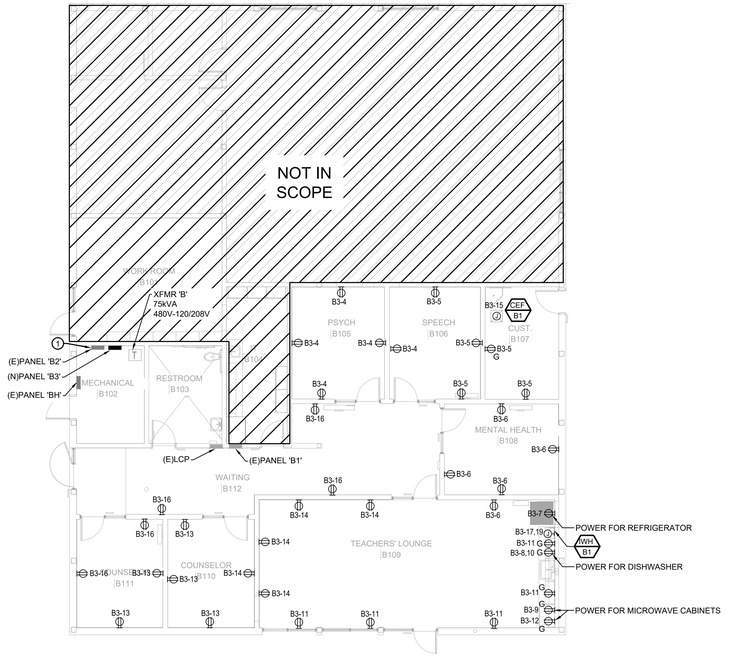

POWER - FLOOR PLAN - BLDG B

SCALE : 1/8" = 1'-0"

1 EPB2.11-2

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KEYNOTES

1. NEW CIRCUIT BREAKERS TO BE INSTALLED IN EXISTING 'B2' SHALL MATCH ALL CHARACTERISTICS AND KAIC RATINGS.

NOTES

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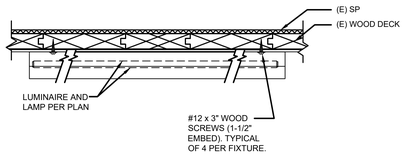
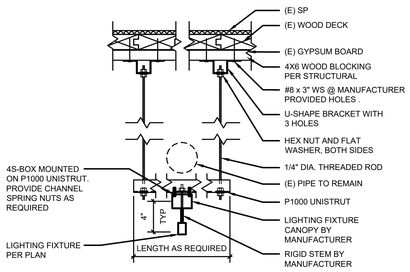


SURFACED LTG FIXTURE MOUNTING DETAIL

3 E3.1-2

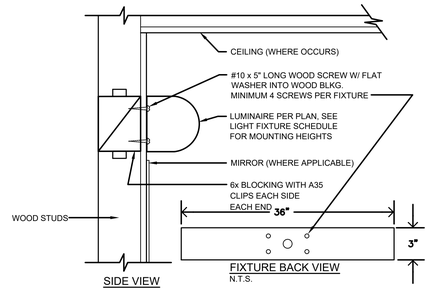
SCALE : NONE



RIGID STEM SUSPENDED LTG FIXTURE MOUNTING DETAIL

2 E3.1-2

SCALE : NONE



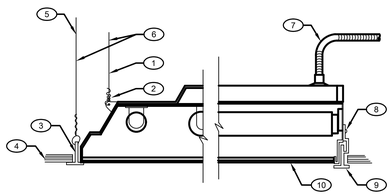
INTERIOR WALL LTG FIXTURE MOUNTING DETAIL

1 E3.1-2

SCALE : NONE

KEYED NOTES:

1. LIGHT FIXTURE SUPPORT WIRE, #12 GALVANIZED IRON STEEL WIRE. SEE NOTE #2. SECURE TO STRUCTURAL MEMBERS SIMILAR TO CEILING SUPPORT WIRES. SEE NOTE #1.
2. TYPICAL - 4 TIGHT TURNS MINIMUM, WITHIN 1-1/2".
3. CROSS 'T' BAR
4. TYPICAL - ACOUSTICAL TILE.
5. CEILING SUPPORT WIRES PER ARCHITECTURAL PLAN.
6. SEE 12/A10.31-2 FOR UPPER ATTACHMENT TO BUILDING STRUCTURE.
7. TYPICAL FLEX CONDUIT W/ALL NECESSARY FITTINGS TO JUNCTION BOX. PROVIDE #12 '6' GROUND WIRE AND BOND TO LIGHT FIXTURE.
8. 'T' BAR CLIP AT LIGHT FIXTURE (OR ROWS) SHALL HAVE 2 CLIPS AT EACH END. SEE SPECS.
9. MAIN 'T' RUNNER.
10. TYPICAL RECESSED FIXTURE, SEE SCHEDULES.



GENERAL NOTES:

1. INSTALL LIGHT SUPPORTS IN ACCORDANCE WITH THE REQUIREMENTS, INTERPRETATION OF REGULATIONS IR-25-3, TITLE 24, PARTS 1 AND 2, CALIFORNIA CODE OF REGULATIONS.

2. SUPPORT T-BAR CEILING LAY-IN LIGHT FIXTURES IN ACCORDANCE WITH THE FOLLOWING TABLE:

TYPE OF CEILING	LIGHT FIXTURE SIZE	FIXTURE WEIGHT	WIRE HANGERS
HEAVY DUTY	2' X 4' OR LESS	< 56 LBS.	2 #12 GA. (SLACK)
HEAVY DUTY	4' X 4'	< 56 LBS.	4 #12 GA. (SLACK)
INTERMEDIATE	ALL	ALL	4 #12 GA. (TAUT)
ALL	ALL	> 56 LBS.	4 #12 GA. (TAUT)

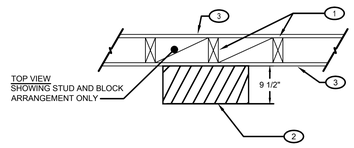
LAY-IN TROFFER MOUNTING DETAIL

6 E3.1-2

SCALE : NONE

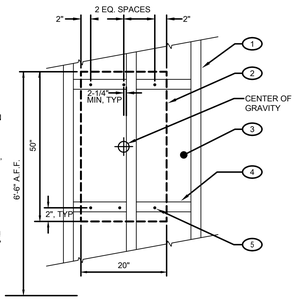
KEY NOTES

1. EXISTING 2X WOOD STUDS AT 16" ON CENTER.
2. SURFACE MOUNTED PANEL, SEE NOTE #1
3. SHEET ROCK OR OTHER WALL SURFACE MATERIAL (SEE ARCH. DRAWINGS)
4. 4X6 WOOD BLOCKING WITH A34 FRAMING ANGLE EACH END TOP AND BOTTOM
5. 5/16" X 3" (2-1/2" EMBED) LAG SCREWS, TYP OF 6 (BY ELECTRICAL CONTRACTOR)



NOTES:

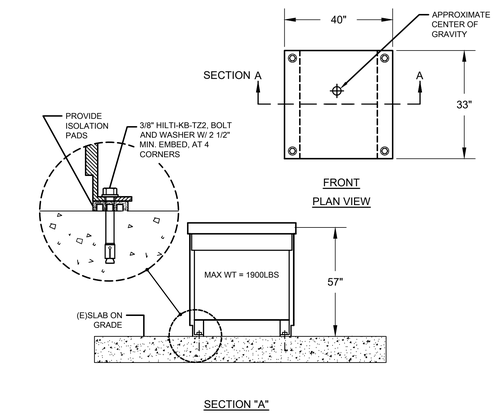
1. PANELS MAX. WEIGHT = 639 LBS
2. USE FENDER WASHER ON ALL SCREWS
3. MOUNT TERMINAL CABINETS, J-BOXES, ETC., SIMILAR TO 30 CIRCUIT PANELBOARD.
4. CENTER OF GRAVITY OF CABINET FROM TOP OF FLOOR = ±50".
5. PANELBOARD DIMENSION IS 20"WIDE X 6"DEEP X 50" HIGH



SURFACE PANEL MOUNTING DETAIL

5 E3.1-2

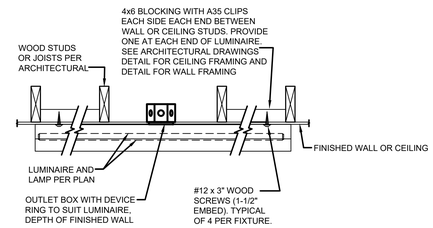
SCALE : NONE



TRANSFORMER MOUNTING DETAIL

4 E3.1-2

SCALE : NONE



CEILING SURFACE MOUNTED LTG FIXTURE (WOOD FRAMING)

7 E3.1-2

SCALE : NONE

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Author
SHEET NAME:
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THE LINE BROKEN ABOVE IS EXACTLY 1" LONG ON ORIGINAL PAPER SIZE SHEETS. IF NOT, ADJUST SCALING ACCORDINGLY

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Lodi Middle School Additions and Modernization	**Report Page:**	**(Page 3 of 8)**
	Date Prepared:	11/14/2024

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
D1	D1	No	NA	25.7	Mfr. Spec	1	No	25.7	☐	☐
DPA	DPA	No	NA	25.7	Mfr. Spec	6	No	154.2	☐	☐
DPB	DPB	No	NA	25.7	Mfr. Spec	6	No	154.2	☐	☐
L14	L14	No	NA	57	Mfr. Spec	1	No	57	☐	☐
L22B	L22B	No	NA	22	Mfr. Spec	7	No	154	☐	☐
L24A	L24A	No	NA	36	Mfr. Spec	17	No	612	☐	☐
L24B	L24B	No	NA	36	Mfr. Spec	10	No	360	☐	☐
SL1	SL1	No	NA	25	Mfr. Spec	11	No	275	☐	☐
						Total Designed Watts: CONDITIONED SPACES		1,792		

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2]*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Lodi Middle School Additions and Modernization	**Report Page:**	**(Page 2 of 8)**
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C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)				Compliance Results
	01	02	03	04	05		06	07		08	09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)			Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)		**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 140.6 / 170.2(e)**
	(See Table I)	(See Table I)	(See Table J)	(See Table K)			(See Table F)	(See Table P)			
Conditioned		1,852	0		=	1,852	≥ 1,792	0	=	1792	COMPLIES
Unconditioned					=		≥		=		
Controls Compliance (See Table H for Details)											COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)											

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with unedittable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Lodi Middle School Additions and Modernization	**Report Page:**	**(Page 1 of 8)**
Project Address: 945 South Ham Lane	**Date Prepared:**	11/14/2024

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	Lodi	04	Total Conditioned Floor Area (ft²)	3,228
02	Climate Zone	12	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

● Office ● Support Areas ● All Other Occupancies

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☐ New Lighting System				
☐ New Lighting System - Parking Garage				
☒ Altered Lighting System	Area Category Method	3228	Area Category Method	0
Total Area of Work (ft²)	3228		0	

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
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L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Lodi Middle School Additions and Modernization	**Report Page:**	**(Page 5 of 8)**
	Date Prepared:	11/14/2024

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Nurse Exam/Testing/Supervisor/Meeting Rooms	Office (<=250 square feet)	Readily Accessible	Dimmer	Occupancy Sensor	NA: Rm < 24sf Glazing	NA: Rm < 24sf Glazing	No	☐	☐
							13		
							Plan Sheet Showing Daylit Zones:		

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(e) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
Offices	Office (<=250 square feet)	0.65	1,942	1,262.3	No	No
Hallway	Corridor	0.4	366	146.4	No	No
Storage	All Other Space Types	0.4	315	126	No	No
Toilet	Restroom	0.65	62	40.3	No	No
Technical RM	Electrical Mechancial Telephone Room	0.4	144	57.6	No	No
Reception	Lounge	0.55	399	219.4	No	No
		TOTALS:	3,228	1,852	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Lodi Middle School Additions and Modernization	**Report Page:**	**(Page 4 of 8)**
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H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C		
Required >= 4,000W subject to multilevel	Whole Building Auto Time Switch	☐	☐

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
Principal/Vice Principal/Meeting Rooms	Office (<=250 square feet)	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
Open Office	Office (>250 square feet)	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
Hallways	Corridor	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
Staorage/Files	All Other Space Types	Readily Accessible	Dimmer	Occupancy Sensor	NA: Rm < 24sf Glazing	NA: Rm < 24sf Glazing	No	☐	☐
Nurse Toilet	Restroom	Readily Accessible	NA: Restrooms	Occupancy Sensor	NA: Rm < 24sf Glazing	NA: Rm < 24sf Glazing	No	☐	☐
IDF ELEC Room	Electrical Mechancial Telephone Room	Readily Accessible	Dimmer	NA: Elec. equip. rm	NA: Rm < 24sf Glazing	NA: Rm < 24sf Glazing	No	☐	☐
Reception	Main Entry Lobby	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Lodi Middle School Additions and Modernization	**Report Page:**	**(Page 8 of 8)**
Project Address: 945 South Ham Lane	**Date Prepared:**	11/14/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ons Hassine	Documentation Author Signature:
Company: Capital Engineering Consultants Inc.	Signature Date: 2024-11-14
Address: 11020 Sun Center Dr Ste 100	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Rancho Cordova CA 95670	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: John Gumawid	Responsible Designer Signature:
Company: Capital Engineering Consultants Inc.	Date Signed: 2024-11-14
Address: 11020 Sun Center Drive,Suite100	License: E24187
City/State/Zip: Rancho Cordova CA 95670	Phone: 9168513583

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Lodi Middle School Additions and Modernization	**Report Page:**	**(Page 7 of 8)**
	Date Prepared:	11/14/2024

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Whole Building Time Switch; Principal/Vice Principal/Meeting Rooms; Open Office; Hallways; Staorage/Files; Nurse Toilet; Reception; Nurse Exam/Testing/Supervisor/Meeting Rooms;
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	Principal/Vice Principal/Meeting Rooms; Open Office; Hallways; Reception;
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	Whole Building Demand Response;

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

REGISTERED PROFESSIONAL ENGINEER — JOHN D. GUMAWID — E 24187 — EXPIRES 9/30/26 — ELECTRICAL — STATE OF CALIFORNIA

capital engineering
RANCHO CORDOVA, CALIFORNIA

DATE SIGNED: 04-04-2025

JG - JSG | 240047.00
PM - DESIGN TEAM | PROJECT NO.

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
TITLE 24 - LTI FORMS - BLDG A

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:
E4.1-2

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PLEASE RECYCLE

THE LINE BROWN ABOVE IS EXPECTED ORIGINAL PAGE SIZE SHEETS ORIGINAL PAGE SIZE

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Lodi Middle School Additions and Modernization	**Report Page:**	**(Page 3 of 8)**
	Date Prepared:	11/14/2024

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
L14	L14	No	NA	57	Mfr. Spec	4	No	228	☐	☐
L24A	L24A	No	NA	36	Mfr. Spec	16	No	576	☐	☐
L24B	L24B	No	NA	36	Mfr. Spec	10	No	360	☐	☐
SL1	SL1	No	NA	25	Mfr. Spec	2	No	50	☐	☐
					Total Designed Watts: CONDITIONED SPACES			1,214		

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2]*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	☐	☐
Required >= 4,000W subject to multilevel	Whole Building Auto Time Switch		

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Lodi Middle School Additions and Modernization	**Report Page:**	**(Page 2 of 8)**
	Date Prepared:	11/14/2024

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)				Compliance Results
	01	02	03	04	05		06	07	08		09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	**Total Allowed** (Watts)		Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)	**Total Adjusted** (Watts) *Includes Adjustments		**05 must be >= 08 140.6 / 170.2(e)**
	(See Table I)	(See Table I)	(See Table J)	(See Table K)			(See Table F)	(See Table P)			
Conditioned		1,279.2	0		= 1,279	≥	1,214	0	= 1214		COMPLIES
Unconditioned					=	≥			=		
Controls Compliance (See Table H for Details)											COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)											

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Lodi Middle School Additions and Modernization	**Report Page:**	**(Page 1 of 8)**
Project Address: 945 South Ham Lane	**Date Prepared:**	11/14/2024

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	Lodi	04	Total Conditioned Floor Area (ft²)	2,345
02	Climate Zone	12	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

● Office ● Support Areas ● All Other Occupancies

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	**Conditioned Spaces**		**Unconditioned Spaces**	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☐ New Lighting System				
☐ New Lighting System - Parking Garage				
☒ Altered Lighting System	Area Category Method	2345	Area Category Method	0
Total Area of Work (ft²)	2345		0	

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
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O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Lodi Middle School Additions and Modernization	**Report Page:**	**(Page 5 of 8)**
	Date Prepared:	11/14/2024

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
Offices	Office (<=250 square feet)	0.65	841	546.6	No	No
Custodial Storage	All Other Space Types	0.4	141	56.4	No	No
Restroom	Restroom	0.65	126	81.9	No	No
Hall	Corridor	0.4	461	184.4	No	No
Lounge	Lounge	0.55	663	364.7	No	No
Technical RM	Electrical Mechancial Telephone Room	0.4	113	45.2	No	No
		TOTALS:	2,345	1,279.2	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

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	Date Prepared:	11/14/2024

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
Teachers' Lounge B109	Lounge	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
Counselor B110 B111/Mental Health B108/Offices B105 B106	Office (<=250 square feet)	Readily Accessible	Dimmer	Occupancy Sensor	NA: Rm < 24sf Glazing	NA: Rm < 24sf Glazing	No	☐	☐
Custodial B107	All Other Space Types	Readily Accessible	Dimmer	Occupancy Sensor	NA: Rm < 24sf Glazing	NA: Rm < 24sf Glazing	No	☐	☐
Restroom B103	Restroom	Readily Accessible	NA: Restrooms	Occupancy Sensor	NA: Rm < 24sf Glazing	NA: Rm < 24sf Glazing	No	☐	☐
Hall B112	Corridor	Readily Accessible	Dimmer	Occupancy Sensor	NA: Rm < 24sf Glazing	NA: Rm < 24sf Glazing	No	☐	☐
Mechanical B102	Electrical Mechancial Telephone Room	Readily Accessible	Dimmer	NA: Elec. equip. rm	NA: Rm < 24sf Glazing	NA: Rm < 24sf Glazing	No	☐	☐
								13	
								Plan Sheet Showing Daylit Zones:	

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Lodi Middle School Additions and Modernization	**Report Page:**	**(Page 8 of 8)**
Project Address: 945 South Ham Lane	**Date Prepared:**	11/14/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ons Hassine	Documentation Author Signature:
Company: Capital Engineering Consultants Inc.	Signature Date: 2024-11-14
Address: 11020 Sun Center Dr Ste 100	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Rancho Cordova CA 95670	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: John Gumawid	Responsible Designer Signature:
Company: Capital Engineering Consultants Inc.	Date Signed: 2024-11-14
Address: 11020 Sun Center Drive,Suite100	License: E24187
City/State/Zip: Rancho Cordova CA 95670	Phone: 9168513568

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Lodi Middle School Additions and Modernization	**Report Page:**	**(Page 7 of 8)**
	Date Prepared:	11/14/2024

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Whole Building Time Switch; Teachers' Lounge B109; Counselor B110 B111/Mental Health B108/Offices B105 B106; Custodial B107; Restroom B103; Hall B112;
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	Teachers' Lounge B109;
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	Whole Building Demand Response;

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

REGISTERED PROFESSIONAL ENGINEER JOHN D. GUMAWID E 24187 EXPIRES 9/30/26 ELECTRICAL STATE OF CALIFORNIA

capital engineering
RANCHO CORDOVA, CALIFORNIA

JG - JSG 240047.00
PM - DESIGN TEAM PROJECT NO.

DATE SIGNED: 04-04-2025

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
TITLE 24 - LTI FORMS - BLDG B

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** CLIENT PROJ NO: **3431007000**
SHEET:
E4.2-2

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CONTRACTOR(S) GUIDELINES

1. ALL TECHNOLOGY WORK SHALL COMPLY WITH DESIGN GUIDELINES AS WELL AS APPLICABLE FEDERAL, STATE, AND LOCAL CODES. WHERE THE CONSTRUCTION DOCUMENTS INDICATE MORE RESTRICTIVE REQUIREMENTS, THE DOCUMENTS SHALL GOVERN BUT THE CONSTRUCTION DOCUMENTS SHALL NOT BE INTERPRETED AS AUTHORITY TO VIOLATE ANY CODE OR REGULATION.
2. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON THE PLANS AND/OR SPECIFICATIONS OR WITH CODE REQUIREMENTS, THE NOTE, CODE OR SPECIFICATION WHICH PRESCRIBES AND ESTABLISHES THE MORE COMPLETE JOB OR THE HIGHER STANDARD SHALL PREVAIL.
3. OMISSIONS FROM THE DRAWINGS, SPECIFICATIONS OR THE MIS-DESCRIPTION OF DETAILS FROM WORK WHICH ARE CLEAR AND NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS, SPECIFICATIONS, OR WHICH ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMITTED OR MIS-DESCRIBED DETAILS OF THE WORK BUT THEY SHALL BE PERFORMED AS IF FULLY AND CORRECTLY SET FORTH AND DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.
4. THE CONTRACTOR SHALL CHECK ALL DRAWINGS FURNISHED, IMMEDIATELY UPON THEIR RECEIPT AND SHALL PROMPTLY NOTIFY THE OWNER OF ANY DISCREPANCIES.
5. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE CALIFORNIA STATE FIRE MARSHAL (CSFM), UNDERWRITERS LABEL (UL) AND SHALL BE INSTALLED IN THE MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
6. THE CONTRACTOR SHALL NOT BORE, NOTCH OR IN ANY WAY CUT INTO ANY STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT OR STRUCTURAL ENGINEER.
7. ALL CHANGES TO STRUCTURES (BUILDING, DRILLING, CORING, ETC.) NOT SHOWN ON THE DRAWINGS SHALL BE APPROVED IN WRITING BY STRUCTURAL ENGINEER.
8. FOR PURPOSES OF CLEARNESS AND LEGIBILITY, THE TECHNOLOGY DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DATA INFORMATION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION SECTIONS WHERE SCS AND LOW VOLTAGE WORK INCEFACES WITH OTHER TRADES.
9. THE CONTRACTOR SHALL MAINTAIN AS-BUILT DRAWINGS TO REFLECT ALL CHANGES MADE DURING CONSTRUCTION AND ANY DEVIATIONS FROM THE ELECTRICAL AND TECHNOLOGY DRAWINGS. THIS INCLUDES DEVIATIONS FROM OUTLET NUMBERS AND ANY ADDITION, DELETION OR RELOCATION OF OUTLETS SHOWN ON WORKING DRAWINGS, PATHWAY ADDITIONS, DELETIONS OR RELOCATIONS. THE CONTRACTOR SHALL AFTER COMPLETION OF JOB, PROVIDE THE OWNER AN ELECTRONIC AND HARD COPY OF AS-BUILT WORK.
10. ANY DEVIATIONS FROM PLANS OR SPECS MUST BE APPROVED IN WRITING BY THE OWNER'S REPRESENTATIVE.
11. ALL FOOTAGES ON DRAWINGS ARE ESTIMATED AND MUST BE VERIFIED BY CONTRACTOR PRIOR TO ORDERING MATERIAL.
12. ALL STATION CABLES SHALL BE NEATLY DRESSED AND SECURED EVERY FIVE FEET AT A MINIMUM.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILING TILE INCLUDING REPLACEMENT OF BROKEN OR DAMAGED TILES.
14. ALL LOCATIONS PASSING THROUGH A FIRE OR A SMOKE BARRIER MUST BE FIRE STOPPED USING APPROVED (UL CLASSIFIED) FIRE STOP SYSTEM, INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS AND PROPERLY LABELED.
15. CONDUIT SHALL BE FILLED TO MAXIMUM CAPACITY (PER CODE, STANDARDS, AND NORMS) BEFORE UTILIZING ANOTHER VACANT CONDUIT.
16. ALL TECHNOLOGY DEVICES SHALL BE PROPERLY IDENTIFIED USING THE OWNER'S STANDARD INTERNAL DISTRIBUTION NUMBERING SCHEME. ALL LABELS SHALL BE PREPRINTED OR TYPED.
17. EACH CABLE SHALL BE EQUIPPED WITH A PERMANENT LABEL INDICATING THE CIRCUIT IDENTIFICATION. BOTH ENDS OF EACH CABLE AND AT EVERY MAINTENANCE HOLE, HAND HOLE, AND PULL BOX, SHALL BE SO LABELED.
18. FIBER BACKBONE CABLE SHALL BE PLACED WITH 6 FOOT MAINTENANCE LOOP AT BOTH ENDS OF THE RUN. THE MAINTENANCE LOOP SHALL BE SECURED IN SUCH A MANNER TO PROVIDE PROTECTION DURING SUBSEQUENT CABLE PULLS.
19. FIBER CABLES SHALL BE SPLICED TOGETHER USING A FUSION SPLICE AND PLACED IN A FIBER SPLICE CASE THAT IS RE-ENTERABLE, FULLY DRESSED AND ENCLOSED TO FIT THE NUMBER AND TYPE OF CABLES TERMINATED.
20. ALL CABLES SHALL BE CLEARLY LABELED WITH CIRCUIT IDENTIFICATION.
21. PULL ROPES SHALL BE PLACED IN ALL VACANT CONDUITS.
22. ALL WORK MUST BE COMPLETED IN A NEAT AND PROFESSIONAL MANNER. THE WORK SITE SHALL BE KEPT CLEAN AND ALL DAMAGE TO OWNER'S PROPERTY REPAIRED.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING A FINAL CLEANUP OF THE WORK SITE PRIOR TO FINAL SYSTEM ACCEPTANCE.
24. CONTRACTOR SHALL REMOVE ALL COPPER, FIBER AND COAXIAL CABLES ABANDONED IN CONDUIT, CEILINGS AND WALLS PER CEC. CABLE SHALL INCLUDE ALL INTRABUILDING, RISER SYSTEMS AND STATION CABLES FOR ALL LOW VOLTAGE/TECHNOLOGYSTRUCTURED CABLING SYSTEMS.
25. CONTRACTOR(S) SHALL VERIFY ALL SITE CONDITIONS PRIOR TO BID.
26. IN ACCESSIBLE CEILING SPACES:
    - 26.1. THE CONTRACTOR SHALL PROVIDE THE REQUIRED STUB UP(S) / OUT(S) AND BOXES WITH MUD-RINGS TO THE NEAREST ACCESSIBLE CEILING SPACE AND / OR NEAREST TECHNOLOGY PATHWAY INFRASTRUCTURE, REFERENCE PLANS AND SPECIFICATION FOR MORE INFORMATION.
    - 26.2. THE DESIGNATED SCS / TECHNOLOGY CONTRACTOR(S) SHALL PROVIDE A J-HOOK PATHWAY SYSTEM AND REQUIRED SLEEVES. DO NOT USE CEILING TILE WIRE HANGERS, WATER OR ELECTRICAL PIPES, OR LIGHT FIXTURES TO HANG CABLE. CABLE MUST BE A MINIMUM OF 6 INCHES ABOVE THE CEILING TILE AND MUST NOT COME WITHIN TWELVE INCHES OF A LIGHT FIXTURE. THE DESIGNATED ELECTRICAL CONTRACTOR(S) FOR EACH "SUB-SYSTEM WILL PROVIDE THE PATHWAY REQUIRED FOR THE SYSTEMS, OUTSIDE WHAT IS CONSIDERED THE STRUCTURED CABLING SYSTEM.
27. IN INACCESSIBLE AND HARDLID CEILING SPACES;
    - 27.1. THE CONTRACTOR SHALL PROVIDE ALL CONDUIT PATHWAYS, BOXES ETC. FOR A COMPLETE SYSTEM FROM THE MDF ROOM, IDF ROOM(S), IDF CABINET(S), AND ALL OTHER LOW VOLTAGE / TECHNOLOGY SYSTEMS HEADEND, CABINETS, TERMINAL CABINETS, ETC. TO THE POINT OF TERMINATION AT THE STATION END LOCATION PER PLANS AND SPECIFICATION.

EQUIPMENT ANCHORAGE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTABLE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, AND DUCTWORK DISTR. SYSTEM BRACING

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING(MP), MECHANICAL DUCTS(MD), PLUMBING PIPING(PP), ELECTRICAL DISTRIBUTION SYSTEMS(E):

MP☐ MD☐ PP☐ E☒ OPTION 1: PROJECT SEPCIFIC DESIGN.

MP☐ MD☐ PP☐ E☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.

MP☐ MD☐ PP☐ E☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

TECHNOLOGY CABLING NOTES

1. THE USE OF LUBRICANTS SUCH AS CLEAR GLIDE, TO FACILITATE THE INSTALLATION OF CABLES IN CONDUITS IS ENCOURAGED FOR FRICTION REDUCTION AND TO MAINTAIN THE REQUIRED PULL TENSION. YELLOW 77 AND POLYWATER "P" IS PERMISSIBLE FOR USE AS A LUBRICANT FOR ISP TECHNOLOGY CABLING. THE USE OF OSP, LOW TEMPERATURE CABLE LUBRICANTS SHALL NOT BE ACCEPTABLE IN AN INDOOR PLENUM ENVIRONMENT. UNDER NO CIRCUMSTANCES SHALL CABLE PULLING LUBRICANT BE ALLOWED TO ACCUMULATE ON WALLS, FLOORS, BACKBOARDS, OR OTHER SURFACES OUTSIDE THE CONDUIT.
2. ANY CABLE DAMAGED OR EXCEEDING RECOMMENDED INSTALLATION PARAMETERS DURING INSTALLATION SHALL BE REPLACED BY THE CONTRACTOR BEFORE FINAL ACCEPTANCE AT NO COST TO THE OWNER.
3. EACH RUN OF CABLE SHALL BE CONTINUOUS WITHOUT ANY JOINTS OR SPLICES.
4. ALL STATION CABLE SHALL BE PLACED IN THE INTERIOR OF WALLS UNLESS NOTED OTHERWISE OR OBSTRUCTED.
5. PROVIDE BUSHINGS, GROMMETS AND STRAIN-RELIEF FOR CABLES TERMINATING AT WALL-MOUNTED DEVICES TO ENSURE DURABLE AND ROBUST CONNECTIONS. THE BUSHINGS AND GROMMETS ARE INTENDED TO PROTECT THE CABLES FROM ANY SHARP EDGES THAT PRESENT A RISK TO THE CABLES. ENSURE THAT ALL SHARP EDGES ARE COVERED TO PROTECT THE CABLES FROM DAMAGE.
6. IN SUSPENDED CEILING AND RAISED FLOOR AREAS WHERE DUCT, CABLE BUNDLES SHALL BE SUPPORTED VIA "J" HOOKS ATTACHED TO THE BUILDING STRUCTURE OR FRAMEWORK AT A MAXIMUM OF FIVE (5) FOOT INTERVALS. MINIMUM 1 " WIDE J-HOOKS SHALL BE APPROPRIATELY SIZED TO ALLOW A MINIMUM OF 60% SPARE CAPACITY FOR FUTURE CABLE INSTALLATION. THE CONTRACTOR SHALL INCLUDE ALL COSTS IN BASE BID FOR ANY ADDITIONAL SUPPORTS/SEISMIC BRACING REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
7. CABLES OR J-HOOKS SHALL NOT BE ATTACHED TO LIFT OUT CEILING GRID SUPPORTS OR LAID DIRECTLY ON THE CEILING GRID.
8. CABLES OR J-HOOKS SHALL NOT BE ATTACHED TO OR SUPPORTED BY FIRE SPRINKLER HEADS OR DELIVERY SYSTEMS OR ANY ENVIRONMENTAL SENSOR LOCATED IN THE CEILING AIR SPACE.
9. WHERE ADDITIONAL CONDUIT(S)/SLEEVE(S) ARE REQUIRED, BUT NOT PROVIDED BY THE CONTRACTOR, THE SCS AND/OR LV CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE SUCH CONDUIT(S)/SLEEVE(S). CONDUIT(S) AND SLEEVE(S) SHALL BE OF SUITABLE MATERIAL, SIZED, INSTALLED, FIRE-STOPPED, AND GROUNDED AS REQUIRED BY THE CEC, ANSI/TIA-569-D STANDARD AND ALL OTHER APPLICABLE CODES AND STANDARDS. SLEEVES SHALL CONSIST OF METALLIC CONDUIT DE-BURRED AND GROMMETTED ON BOTH ENDS WITH FLANGES OR OTHER MEANS TO PREVENT THE SLEEVE FROM SLIPPING OR FALLING OUT OF THE PARTITION. SLEEVES SHALL EXTEND A MINIMUM OF 6" ON BOTH SIDES OF THE PARTITION. OUTSIDE PERIMETER OF SLEEVES SHALL BE SEALED AGAINST SOUND, AIR, WATER, HEAT, OR AS REQUIRED BY PARTITION DESIGN. INSIDE OF SLEEVE SHALL BE SEALED SIMILARLY AFTER INSTALLATION OF ALL CABLING. CABLES SHALL BE INDEPENDENTLY SUPPORTED ON EITHER SIDE OF THE SLEEVE. SLEEVES SHALL NOT BE USED AS CABLE SUPPORTS. ANY CONDUIT(S) AND SLEEVE(S) ADDED BY THE SCS CONTRACTOR SHALL BE APPROVED BY THE OWNERS REPRESENTATIVE PRIOR TO ROUGH-IN.
10. IN THE EVENT CONTRACTOR IS REQUIRED TO REMOVE CEILING TILES, SUCH WORK SHALL NOT BREAK OR DISTURB GRID. REMOVAL OF THE CEILING GRID MUST BE COORDINATED WITH THE OWNERS REPRESENTATIVE. ALL INSULATION SHALL BE REPLACED IN ITS ORIGINAL LOCATION.
11. THE NUMBER OF CABLES IN EACH CONDUIT SHALL BE CONTROLLED TO ALLOW FOR FUTURE CABLE INSTALLATION AND TO STAY WITHIN THE MANUFACTURER'S MAXIMUM ALLOWABLE CABLE PULLING TENSION. CONDUIT FILL RATIOS SHALL NOT EXCEED THE CURRENT REQUIREMENTS OF THE CEC, ANSI/TIA-569-D, REFERENCE SECTION B.2, TABLES 1 AND 2 OF THIS DOCUMENT FOR ADDITIONAL REQUIREMENTS.
12. ALL BACKBONE CABLING WILL RUN THROUGH DEDICATED CONDUITS. ALL NEW CONDUITS WILL BE SUPPLIED WITH A PULL STRING BY THE CONTRACTOR. EXISTING CONDUITS SHALL BE PROVEN TO BE CLEAR BY THE SCS AND/OR LV CONTRACTOR PRIOR TO PULLING OF CABLES. SCS AND/OR LV CONTRACTOR SHALL SUPPLY PULL STRING AND PULL ROPE FOR THE INSTALLATION OF ALL CABLES IN EXISTING CONDUITS. FOR ALL CONDUITS LEFT WITH AVAILABLE CAPACITY, SCS AND/OR LV CONTRACTOR SHALL REPLACE PULL STRINGS DURING THE COURSE OF HIS WORK. SCS AND/OR LV CONTRACTOR MUST SEAL ALL CONDUITS WITH AN APPROVED SEALING COMPOUND.

TECHNOLOGY SYMBOL LEGEND:

ALL NOTES ARE TYPICAL UNLESS NOTED OTHERWISE ON PLANS AND DETAILS

MARK	SYMBOL	DESCRIPTION	BACK BOX	PLASTER RING	MOUNTING HEIGHT	CONDUIT	MANUFACTURER	CABLE	CABLE COLOR / JACK COLOR	MAX. LOAD	NOTES
1	MDF	MDF	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	EXISTING
2	IDF	IDF	N/A	N/A	SEE PLANS	N/A	CHATSWORTH PRODUCTS	N/A	N/A	SEE SHEET T0.2-2	SEE EQUIPMENT SCHEDULE
WORKSTATIONS											
3	#	DATA	5" SQ., 2-1/8" DEEP	2-DEVICE	+16" TO BOTT.	1 EA. 1"C	PANDUIT	CAT6A	DATA: PURPLE / BEIGE VOICE(VOIP): GRAY / BLUE VOICE(NON-VOIP): GRAY / 110 BLOCK	N/A	DISTRICT WILL IDENTIFY VOIP AND NON-VOIP PHONE.
4	#D / #V	DATA / TELEPHONE OUTLET	5" SQ., 2-1/8" DEEP	2-DEVICE	+16" TO BOTT.	1 EA. 1"C	PANDUIT	CAT6A	DATA: PURPLE / BEIGE VOICE(VOIP): GRAY / BLUE VOICE(NON-VOIP): GRAY / 110 BLOCK	N/A	DISTRICT WILL IDENTIFY VOIP AND NON-VOIP PHONE.
5	WAP	WAP DATA OUTLET	5" SQ., 2-1/8" DEEP	2-DEVICE	CEILING	1 EA. 1"C	PANDUIT	CAT6A	DATA: BLUE / WHITE	N/A	802.3BT TYPE 4 AND IN COMPLIANCE WITH ALL EIA / TIA STANDARDS.
6	2D WAP	WAP DATA OUTLET WEATHERPROOF	5" SQ., 2-1/8" DEEP	2-DEVICE	+108" TO BOTT.	1 EA. 1"C	PANDUIT	CAT6A	DATA: BLUE / WHITE	N/A	802.3BT TYPE 4 AND IN COMPLIANCE WITH ALL EIA / TIA STANDARDS.
TEACHING WALL											
7	HDMI	HDMI FACEPLATE	5" SQ., 2-1/8" DEEP	2-DEVICE	+14" TO BOTT.	1 EA. 1.24"C	SEE ONE-LINE	HDMI	N/A	N/A	N/A
8	#	PROMETHEAN BOARD DATA	5" SQ., 2-1/8" DEEP	2-DEVICE	+29" BELOW CEILING.	1 EA. 1"C	PANDUIT	CAT6A	DATA: PURPLE / BEIGE	N/A	N/A
CLOCK / INTERCOM PAGING SYSTEM											
9		CLOCK	PER MFR. GUIDELINES	PER MFR. GUIDELINES	+96" MIN. TO BOTT.	1 EA. 1"C	AMERICAN TIME	N/A	N/A	N/A	BATTERY OPERATED
10	S	CLOCK / SPEAKER COMBO	PER MFR. GUIDELINES	PER MFR. GUIDELINES	+96" MIN. TO BOTT.	1 EA. 1"C	ATLAS SOUND IED	N/A	IP - SDMF	N/A	N/A
11	S	INTERCOM SPEAKER	PER MFR. GUIDELINES	PER MFR. GUIDELINES	+96" MIN. TO BOTT.	1 EA. 1"C	ALGO	CAT6A	INTERCOM: GREEN / GREEN	N/A	PROVIDE ONE(1) DATA DROP
12	S WP	WALL MOUNTED INTERCOM SPEAKER, WEATHERPROOF	PER MFR. GUIDELINES	PER MFR. GUIDELINES	+108" MIN. TO BOTT.	1 EA. 1"C	ALGO	CAT6A	INTERCOM: GREEN / GREEN	N/A	N/A
INTRUSION SECURITY SYSTEM											
13	ICP	INTRUSION MAIN ALARM CONTROL PANEL	N/A	N/A	+60" TO BOTT.	N/A	ADEMCO	22 AWG	N/A	N/A	N/A
14		INTRUSION MOTION SENSOR	5" SQ., 2-1/8" DEEP	1-DEVICE	SEE PLANS	N/A	ADEMCO	22 AWG	N/A	N/A	N/A
15		DOOR CONTACT	N/A	N/A	DOOR FRAME	N/A	ADEMCO	22 AWG	N/A	N/A	COORDINATE WITH DIVISION 8 FOR DOOR HARDWARE
16		INTRUSION KEYPAD	5" SQ., 2-1/8" DEEP	1-DEVICE	+45" MIN. TO BOTT.	N/A	ADEMCO	22 AWG	N/A	N/A	N/A
ACCESS CONTROL											
17	ACP	ACCESS CONTROL PANEL	N/A	N/A	SEE PLANS	N/A	N/A	22 AWG	N/A	N/A	COORDINATE WITH ALAMO ALARM COMPANY (DISTRICT INTRUSION AND ACCESS CONTROL CONTRACTOR)
18	CR	CARD READER	5" SQ., 2-1/8" DEEP	1-DEVICE	SEE PLANS	N/A	N/A	22 AWG	N/A	N/A	COORDINATE WITH DIVISION 8 FOR DOOR HARDWARE
MISC. SYSTEM											
19	ES	ENTRY STATION	N/A	N/A	+60" TO BOTT.	N/A	N/A		N/A	N/A	EXISTING
20	2D	PROJECTOR	5" SQ., 2-1/8" DEEP	1-DEVICE	SEE PLANS	N/A	N/A		N/A	N/A	EXISTING
21		COAX OUTLET	5" SQ., 2-1/8" DEEP	1-DEVICE	+45" MIN. TO BOTT.	N/A	N/A		N/A	N/A	EXISTING TO DEMO CABLING, PATHWAY, AND ALL ASSOCIATED PATHWAY
22	TV	LED TV	N/A	N/A	+45" MIN. TO BOTT.	N/A	N/A		N/A	N/A	EXISTING

TECHNOLOGY ABBREVIATIONS

ACP	ACCESS CONTROL PROCESSOR	(N)	NEW
AFF	ABOVE FINISHED FLOOR	NC	NORMALLY CLOSED
AHJ	AUTHORITY HAVING JURISDICTION	NIC	NOT IN CONTRACT
AMP	AMPLIFIER	NO	NORMALLY OPEN
AOR	ARCHITECT OF RECORD	NTS	NOT TO SCALE
AUTO	AUTOMATIC	OC	ON CENTER
AUX	AUXILIARY	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
AWG	AMERICAN WIRE GAUGE	OFOI	OWNER FURNISHED, OWNER INSTALLED
BCT	BONDING CONDUCTOR FOR TELECOMMUNICATIONS CONDUIT	OSP	OUTSIDE PLANT
C	CONDUIT	PB	PULL BOX
CATV	COMMUNITY ANTENNA TELEVISION	POE	POWER OVER ETHERNET
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	PR	PAIR OF CONDUCTORS
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED	PVC	POLYVINYL CHLORIDE
CL	CENTERLINE	PWR	POWER
CSFM	CALIFORNIA STATE FIRE MARSHAL	(RR)	REMOVE AND REPLACE
DIV	DIVISION	(RL)	REMOVE AND RELOCATE
DC	DOOR CONTACT	RCP	REFLECTED CEILING PLAN
(E)	EXISTING	RFI	REQUEST FOR INFORMATION
EC	ELECTRICAL CONTRACTOR	RMC	RIGID METALLIC CONDUIT
ECS	EMERGENCY COMMUNICATION SYSTEM	SCS	STRUCTURED CABLING SYSTEM
EF	ENTRANCE FACILITY FOR TELECOMMUNICATION	SM	SINGLE MODE
EMT	ELECTRIC METALLIC TUBING	STR	STRANDS (OF FIBER)
ER	EQUIPMENT ROOM	STP	SHIELDED TWISTED PAIR
EXT	EXTERIOR	SEC	SECURITY
(F)	FUTURE	TBB	TELECOMMUNICATIONS BONDING BACKBONE
FACP	FIRE ALARM CONTROL PANEL	TELCO	TELEPHONE COMPANY
FATC	FIRE ALARM TERMINAL CABINET	TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
FABP	FIRE ALARM BOOSTER PANEL	TMGB	TELECOMMUNICATION MAIN GROUNDING BUSBAR
FB	FLOORBOX	TYP	TYPICAL
FO	FIBER OPTIC	UNO	UNLESS NOTED OTHERWISE
GC	GENERAL CONTRACTOR	UPS	UNINTERRUPTIBLE POWER SUPPLY
IDF	INTERMEDIATE DISTRIBUTION FRAME	UTP	UNSHIELDED TWISTED PAIR
INT	INTERIOR	V	VOICE
IP	INTERNET PROTOCOL	WB	WALL BOX
JB	JUNCTION BOX	WP	WEATHERPROOF
LV	LOW VOLTAGE		
MDF	MAIN DISTRIBUTION FRAME		
MIC	MICROPHONE		
MM	MULTIMODE		
MPOE	MINIMUM POINT OF ENTRY		

CODES AND STANDARDS

APPLICABLE PROJECT BUILDING CODES, EFFECTIVE AS OF DATE: JANUARY 1, 2023

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC)
2022 CALIFORNIA BUILDING CODE (CBC)
2022 CALIFORNIA ELECTRICAL CODE (CEC)
2022 CALIFORNIA FIRE CODE (CFC)
2022 CALIFORNIA ENERGY CODE
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
2022 CALIFORNIA REFERENCED STANDARDS CODE
2022 NFPA 72: NATIONAL TECHNOLOGY AND SIGNALING CODE
2022 NFPA 1221: STANDARD FOR THE INSTALLATION, MAINTENANCE, AND USE OF EMERGENCY SERVICES COMMUNICATIONS SYSTEMS

APPLICABLE INDUSTRY STANDARDS, CURRENT EDITION

TIA-568: GENERIC CABLE STANDARDS
TIA-568-1: COMMERCIAL CABLE STANDARDS
TIA-568-2: BALANCED TWISTED PAIR CABLING AND COMPONENTS TIA-568-3:
OPTICAL CABLING FEEDER COMPONENTS
TIATIA-568-4: BROADBAND COAX CABLING AND COMPONENTS TIA-569:
TELECOMMUNICATION PATHWAYS AND SPACES
TIA-570: RESIDENTIAL TELECOMMUNICATIONS
TIA-598: OPTICAL FIBER CABLE COLOR CODING
TIA-606: ADMINISTRATIVE LABELING STANDARDS
TIA-607: TELECOMMUNICATIONS BONDING AND GROUNDING TIA-758:
TELECOMMUNICATIONS OUTSIDE PLANT
TIA-526-7: SINGLE-MODE FIBER STANDARDS
TIA-526-14: MULTI-MODE FIBER STANDARDS

SHEET INDEX

T0.1-2	TECHNOLOGY COVER SHEET
T0.2-2	TECHNOLOGY RACK ELEVATION
T0.3-2	TECHNOLOGY ONE-LINE DIAGRAM
T1.10-2	TECHNOLOGY SITE PLAN
TA2.10-2	TECHNOLOGY DEMO BUILDING A
TA2.11-2	TECHNOLOGY BUILDING A
TB2.10-2	TECHNOLOGY DEMO BUILDING B
TB2.11-2	TECHNOLOGY BUILDING B

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KEYNOTES

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REGISTERED PROFESSIONAL ENGINEER JOHN D. GUMATO E 24187 EXPIRES 9/30/26 ELECTRICAL STATE OF CALIFORNIA

capital engineering
RANCHO CORDOVA, CALIFORNIA

JG - JSG 240047.00
PM - DESIGN TEAM PROJECT NO.

DATE SIGNED: 04-04-2025

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
TECHNOLOGY COVER SHEET

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** CLIENT PROJ NO: **3431007000**
SHEET:

T0.1-2

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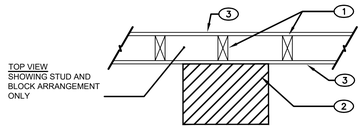
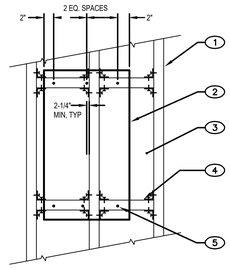
EXISTING EQUIPMENT SCHEDULE (BLDG. A)				
TAG ID	DESCRIPTION	MANUFACTURER	PART NUMBER	MAX. LOAD
1	TECHNOLOGY 19RU WALL MOUNTED RACK	EXISTING	EXISTING	250 LBS.
2	1RU SINGLE - SIDED WIRE MANAGER	EXISTING	EXISTING	N/A
3	2RU PAN-PATCH PANEL	EXISTING	EXISTING	N/A
4	2RU DOUBLE - SIDED WIRE MANAGER	EXISTING	EXISTING	N/A
5	1RU CLOSET CONNECTOR HOUSING (CCH) W/ FIBER ADAPTERS	EXISTING	EXISTING	N/A
6	1RU SINGLE - SIDED WIRE MANAGER	EXISTING	EXISTING	N/A
7	1RU PATCH PANEL WITH WHITE JACKS	EXISTING	EXISTING	N/A
8	1RU SINGLE - SIDED WIRE MANAGER	EXISTING	EXISTING	N/A
9	OPEN FOR CORE SWITCH	EXISTING	EXISTING	N/A
10	1RU SINGLE - SIDED WIRE MANAGER	EXISTING	EXISTING	N/A
11	OPEN FOR CORE SWITCH	EXISTING	EXISTING	N/A
12	POWER DISTRIBUTION UNIT	EXISTING	EXISTING	N/A



TOP VIEW
SHOWING STUD AND BLOCK ARRANGEMENT ONLY

NOTES:

1. IDF CABINET ARE 250# MAX. (INCLUDING CONTENTS)
2. MOUNT TERMINAL CABINETS, J-BOXES, ETC., SIMILAR TO IDF CABINET.



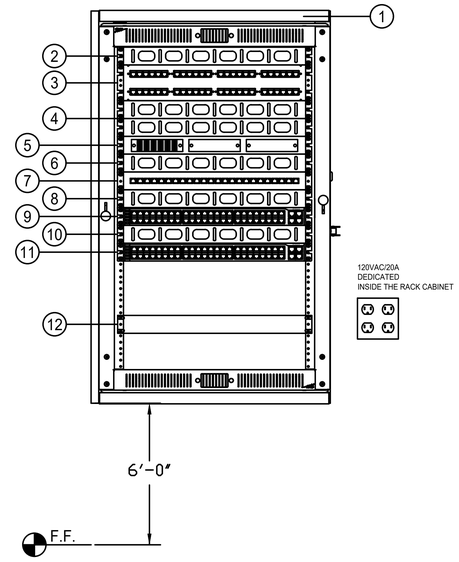
TYPICAL IDF, ACP, UPS CABINET WOOD FRAMING MOUNTING DETAIL

SCALE : NTS

2 T0.2-2

KEY NOTES

1. WOOD STUD
2. SURFACE MOUNTED IDF CABINET, SEE NOTE #1
3. SHEET ROCK OR OTHER WALL SURFACE MATERIAL (SEE ARCH. DRAWINGS)
4. BLOCKING (MATCH STUD DEPTH) ATTACH TO (E) VERTICAL STUDS WITH A34 CLIPS EACH END, TOP AND BOTTOM - AVOID CONFLICT OF NAILS EACH SIDE OF STUD
5. 5/16" X 2 1/2" LAG SCREWS WITH 1-1/2" MIN. EMBED TO BLOCK. (6) LAG SCREWS TOTAL. (BY ELECTRICAL CONTRACTOR)



BLDG. A (IDF-G)

SCALE : NTS

1 T0.2-2

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LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
TECHNOLOGY RACK ELEVATION

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

T0.2-2

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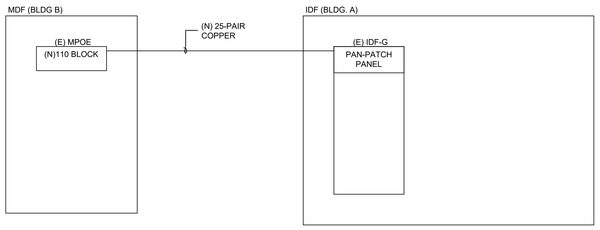
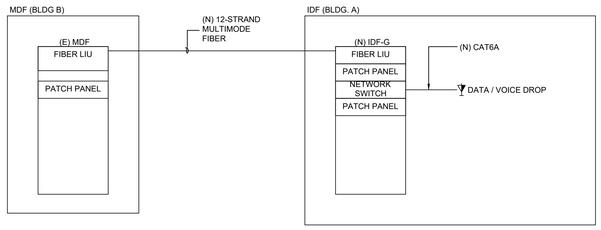


25-PAIR COPPER ONE-LINE DIAGRAM

SCALE : NTS

2
T0.3-2



FIBER ONE-LINE DIAGRAM

SCALE : NTS

1
T0.3-2

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E 24187
EXPIRES 8/30/26
ELECTRICAL
STATE OF CALIFORNIA

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T0.3-2

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KEY NOTES:

1 PROVIDED/INSTALLED IN INCREMENT 1.

BLDG. S
INCREMENT 3

IDF-S

FUTURE IDF TO BE INSTALLED IN INCREMENT 3. SHOWN FOR COORDINATION OF INCREMENT 1 SITE WORK ONLY.

(E) 2EA. 2" UNDERGROUND CONDUITS
(E) FIBER AND (E) 25-PAIR COPPER

FH

BLDG. H1
INCREMENT 3

IDF-H1

FUTURE IDF TO BE INSTALLED IN INCREMENT 3. SHOWN FOR COORDINATION OF INCREMENT 1 SITE WORK ONLY.

(E) 2EA. 2" UNDERGROUND CONDUITS
(E) FIBER AND (E) 25-PAIR COPPER.

BLDG. B
INCREMENT 2

(E) 2EA. 2" CONDUIT TO REUSE AND PROTECT. PULL (N) FIBER AND (N) 25-PAIR COPPER.

(E) MDF LOCATION

(E) BUILDING PENETRATION

(E) 2EA. 2" CONDUITS AND PULL (N) FIBER AND (E) 25-PAIR COPPER. RUN ON TOP OF ARCADE

(E) 24"x24"x8" WEATHERPROOF PULL BOX.

(E) CONDUIT STUB DOWN

(E) 4EA. 2" UNDERGROUND CONDUITS
(E) FIBER AND (E) 25-PAIR COPPER.

EXISTING 2EA. 2" CONDUITS AND (E) FIBER AND (E) 25-PAIR COPPER.

(E) 2EA. 2" CONDUITS AND PULL (E) FIBER AND (N) 25-PAIR COPPER. RUN ON TOP OF ARCADE

PB - 02

(E) 24"x24"x8" PULL BOX TO RE-USE

(E) 24"x24"x8" WEATHERPROOF PULL BOX.

(E) 2EA. 2" CONDUITS AND (E) FIBER AND (E) 25-PAIR COPPER RUN ON TOP OF ARCADE RUN ON TOP OF ARCADE

(N) CONDUIT STUB DOWN

IDF-G

(N) 24"x 24"x8" WEATHERPROOF PULL BOX

NEW LOCATION FOR RELOCATED IDF

(E) 2EA. 2" CONDUITS TO REMAIN AND PROTECT.

(E) 2 - 2" CONDUIT FOR (N) FIBER AND (E) 25-PAIR COPPER.

(E) 24"x24"x8" PULL BOX TO REMAIN AND PROTECT.

BLDG. A
INCREMENT 2

(E) CONDUIT STUB DOWN TO REMAIN AND CAP.

BLDG. J
INCREMENT 4

PB-01

IDF-J

FUTURE IDF TO BE INSTALLED IN INCREMENT 4. SHOWN FOR COORDINATION OF INCREMENT 1 SITE WORK ONLY.

BLDG. H2
INCREMENT 3

IDF-H2

(E) 2EA. 2" UNDERGROUND CONDUITS
(E) FIBER AND (E) 25-PAIR COPPER.

FUTURE IDF TO BE INSTALLED IN INCREMENT 3. SHOWN FOR COORDINATION OF INCREMENT 1 SITE WORK ONLY.

FH

DROP OFF

TECHNOLOGY SITE PLAN

SCALE : 1"=20'-0"

1
T1.10-2

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PM - DESIGN TEAM PROJECT NO.

DATE SIGNED: 04-04-2025

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
TECHNOLOGY SITE PLAN

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:

T1.10-2

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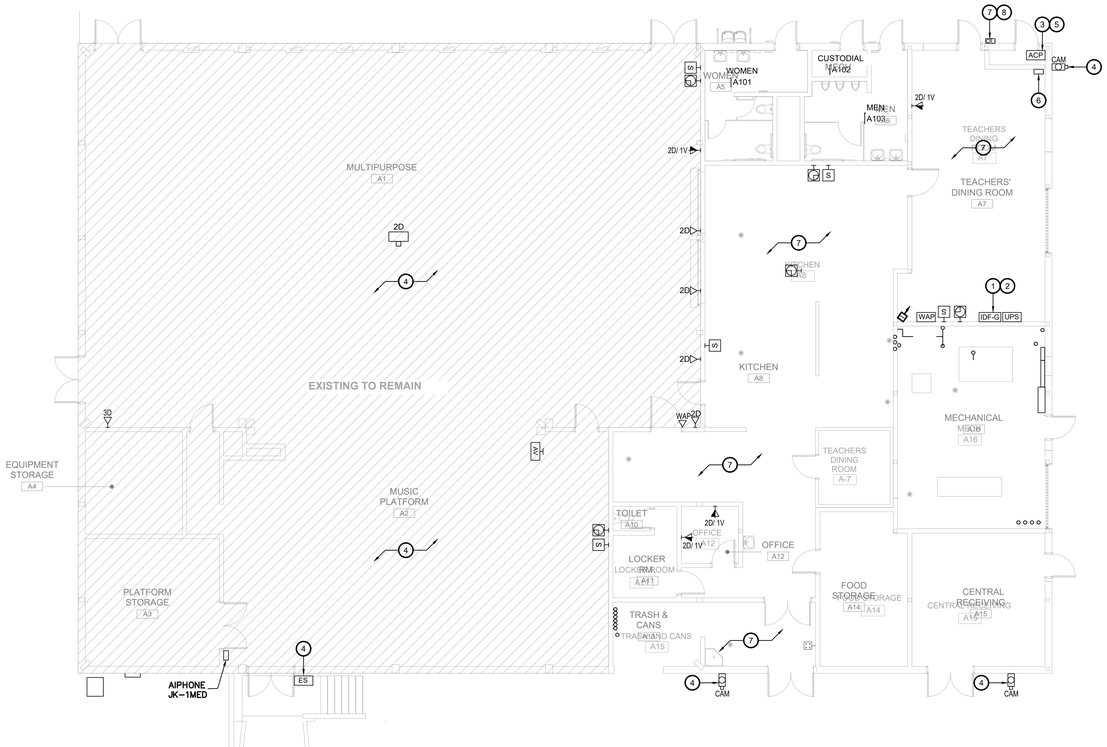
KEY NOTES:

1. DISCONNECT THE EXISTING FIBER, 25-PAIR, AND CATEGORY CABLING FROM THE IDF. DEMO THE EXISTING FIBER AND 25-PAIR FROM THE EXISTING IDF TO THE EXISTING MDF.
2. RELOCATE THE EXISTING IDF AND EXISTING UPS CABINET TO NEW IDF ROOM. SEE SHEET TA2.11-2 FOR THE NEW LOCATION.
3. RELOCATE THE EXISTING ACCESS CONTROL PANEL. SEE SHEET TA2.11-2 FOR THE NEW LOCATION.
4. DEMO EXISTING CATEGORY CABLING FROM THE EXISTING IDF TO THE EXISTING DATA DROP LOCATION. EXISTING DATA DROP LOCATION PATHWAY, PLATE, AND J-BOX TO REMAIN AND RE-USE.
5. DEMO EXISTING ACCESS CONTROL CABLING FROM THE EXISTING ACCESS CONTROL PANEL. TRACE THE CABLE AND COORDINATE WITH THE DISTRICT PRIOR TO DEMO.
6. DEMO EXISTING INTRUSION CABLING FROM THE EXISTING INTRUSION CONTROL PANEL. TRACE THE CABLE AND COORDINATE WITH THE DISTRICT PRIOR TO DEMO.
7. DEMO EXISTING DEVICES, CABLING, AND ALL ASSOCIATED PATHWAYS AND HARDWARE. CONTRACTOR TO SURRENDER ALL DEMO DEVICES TO THE DISTRICT IN "AS IS" CONDITION.
8. RE-USE THE EXISTING CARD READER AND COORDINATE WITH THE DISTRICT FOR THE NEW CARD READER LOCATION.



TECHNOLOGY - DEMO FLOOR PLAN - BLDG A

SCALE : 1/8" = 1'-0"

1 / TA2.10-2

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RANCHO CORDOVA, CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — JOHN D. GUILFORD — E 24187 — RENEWAL 8/31/26 — ELECTRICAL — STATE OF CALIFORNIA

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945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
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Author
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TECHNOLOGY - DEMO FLOOR PLAN - BLDG A

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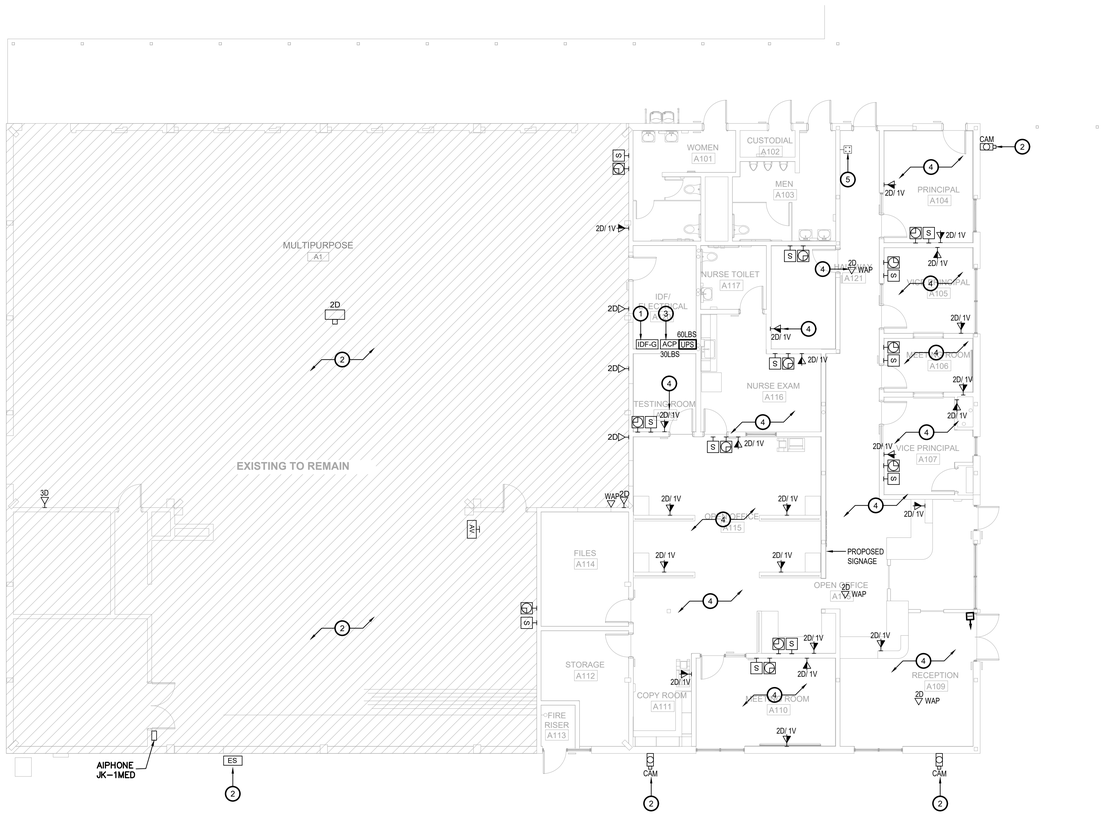
KEY NOTES:

1. PROVIDE NEW MULTIMODE FIBER AND NEW 25-PAIR COPPER FROM THE EXISTING MDF LOCATION TO EXISTING IDF CABINET NEW LOCATION. RE-USE THE EXISTING IDF CABINET, HORIZONTAL CABLE MANAGER, AND PROVIDE NEW PAN-PUNCH PANEL, MODULAR PATCH PANEL. SEE RACK ELEVATION FOR MORE INFORMATION. PROVIDE ALL NECESSARY HARDWARE AND PROGRAMMING FOR A FULLY FUNCTIONAL AND OPERATIONAL SYSTEM.
2. PROVIDE NEW CABLING TO THE EXISTING DATA DROP LOCATION AND RE-USE THE EXISTING PATHWAY AS MUCH AS POSSIBLE TO THE EXISTING IDF NEW LOCATION.
3. PROVIDE NEW ACCESS CONTROL CABLING AND INTRUSION ALARM CABLING. PROVIDE ALL NECESSARY HARDWARE AND PROGRAMMING FOR A FULLY FUNCTIONAL AND OPERATIONAL SYSTEM. COORDINATE WITH DISTRICT AND ALAMO ALARM COMPANY FOR FURTHER INFORMATION ABOUT ACCESS CONTROL AND INTRUSION SYSTEM.
4. PROVIDE NEW DATA DROP, NEW PATHWAY, NEW CABLING, AND ALL NECESSARY ACCESSORIES AND HARDWARE FOR A FULLY FUNCTIONAL AND OPERATIONAL SYSTEM.
5. PROVIDE NEW PATHWAY, NEW CABLING, AND ALL NECESSARY ACCESSORIES AND HARDWARE FOR A FULLY FUNCTIONAL AND OPERATIONAL SYSTEM.



TECHNOLOGY - FLOOR PLAN - BLDG A 1

SCALE : 1/8" = 1'-0" TA2.11-2

N

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Author
SHEET NAME:
TECHNOLOGY - FLOOR PLAN - BLDG A

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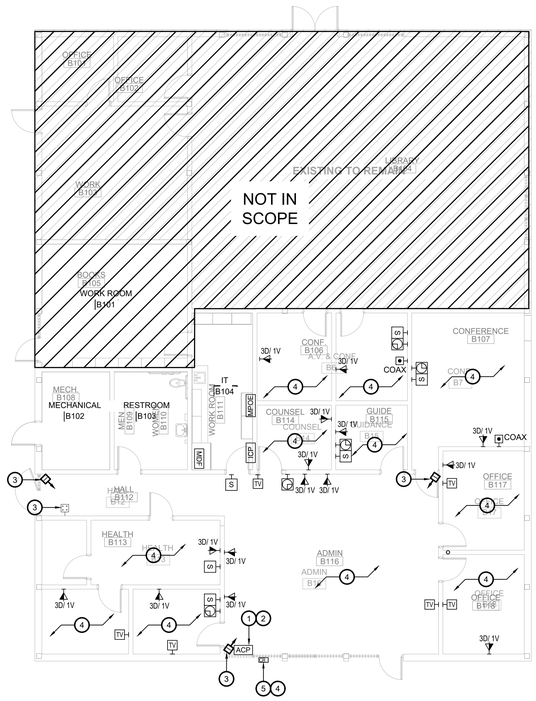
KEY NOTES:

1. RELOCATE THE EXISTING ACCESS CONTROL PANEL. SEE SHEET TB2.11-2 FOR THE NEW LOCATION.
2. DEMO EXISTING ACCESS CONTROL CABLING FROM THE EXISTING ACCESS CONTROL PANEL.
3. DEMO EXISTING INTRUSION CABLING AND DEVICE FROM THE EXISTING INTRUSION CONTROL PANEL. TRACE THE CABLE AND COORDINATE WITH THE DISTRICT PRIOR TO DEMO.
4. DEMO EXISTING DEVICES, CABLING, AND ALL ASSOCIATED PATHWAYS AND HARDWARE. TRACE THE CABLE AND COORDINATE WITH THE DISTRICT PRIOR TO DEMO. CONTRACTOR TO SURRENDER ALL DEMO DEVICES TO THE DISTRICT IN "AS IS" CONDITION.
5. RE-USE THE EXISTING CARD READER AND COORDINATE WITH THE DISTRICT FOR THE NEW CARD READER LOCATION.



TECHNOLOGY - DEMO FLOOR PLAN - BLDG B

1 / TB2.10-2

SCALE : 1/8" = 1'-0"

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DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

REGISTERED PROFESSIONAL ENGINEER — JOHN D. GUMA, PE — E 24187 — 09/30/25 — ELECTRICAL — STATE OF CALIFORNIA

capital engineering
RANCHO CORDOVA, CALIFORNIA

JG - JSG 240047.00
PM - DESIGN TEAM PROJECT NO.

DATE SIGNED: 04-04-2025

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION - INCREMENT 2
Author
SHEET NAME:
TECHNOLOGY - DEMO FLOOR PLANS - BLDG B

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

SHEET:
TB2.10-2

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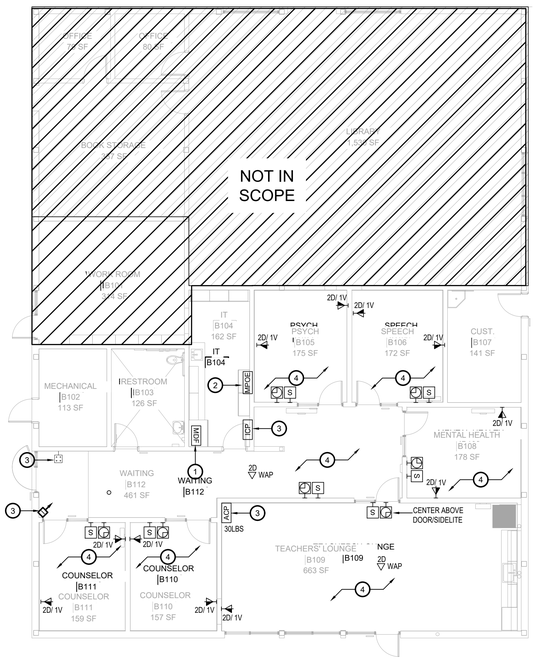
IF THIS LINE BROWN ABOVE IS
EXACTLY 1" THEN ALL PRINTS
ARE TO ORIGINAL SCALE

KEY NOTES:

1. PROVIDE NEW MULTIMODE FIBER FROM THE EXISTING MDF (BLDG B.) TO EXISTING IDF CABINET NEW LOCATION. PROVIDE ALL NECESSARY HARDWARE AND PROGRAMMING FOR A FULLY FUNCTIONAL AND OPERATIONAL SYSTEM.
2. PROVIDE NEW 25-PAIR COPPER AND NEW 110 BLOCK FROM THE EXISTING MPOE TO THE EXISTING IDF CABINET NEW LOCATION. PROVIDE ALL NECESSARY HARDWARE AND PROGRAMMING FOR A FULLY FUNCTIONAL AND OPERATIONAL SYSTEM.
3. PROVIDE NEW ACCESS CONTROL CABLING AND INTRUSION ALARM CABLING. PROVIDE ALL NECESSARY HARDWARE AND PROGRAMMING FOR A FULLY FUNCTIONAL AND OPERATIONAL SYSTEM. COORDINATE WITH DISTRICT AND ALAMO ALARM COMPANY FOR FURTHER INFORMATION ABOUT ACCESS CONTROL AND INTRUSION SYSTEM.
4. PROVIDE NEW DATA DROP, NEW PATHWAY, NEW CABLING, AND ALL NECESSARY ACCESSORIES AND HARDWARE FOR A FULLY FUNCTIONAL AND OPERATIONAL SYSTEM.



TECHNOLOGY - FLOOR PLAN - BLDG B

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SCALE : 1/8" = 1'-0"

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AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

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REGISTERED PROFESSIONAL ENGINEER
JUSTIN D. GUDA PE
E 24187
EXPIRES 9/30/26
ELECTRICAL
STATE OF CALIFORNIA

capital engineering
RANCHO CORDOVA, CALIFORNIA

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Author
SHEET NAME:
TECHNOLOGY - FLOOR PLAN - BLDG B

CONSTRUCTION DOCUMENTS

DATE: **2025.04.10** | CLIENT PROJ NO: **3431007000**

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PLEASE RECYCLE

IF THIS LINE BROWN ABOVE IS EXACTLY 1" LONG, THESE PLANS ARE NOT FULL SIZED. SHEETS ORIGINAL PAPER SIZE

FIRE ALARM CABLING NOTES

1. THE USE OF LUBRICANTS SUCH AS CLEAR GLIDE, TO FACILITATE THE INSTALLATION OF CABLES IN CONDUITS IS ENCOURAGED FOR FRICTION REDUCTION AND TO MAINTAIN THE REQUIRED PULL TENSION. YELLOW 77 AND POLYWATER "F" IS PERMISSIBLE FOR USE AS A LUBRICANT FOR ISP FIRE ALARM CABLING. THE USE OF OSP, LOW TEMPERATURE CABLE LUBRICANTS SHALL NOT BE ACCEPTABLE IN AN INDOOR PLENUM ENVIRONMENT. UNDER NO CIRCUMSTANCES SHALL CABLE PULLING LUBRICANT BE ALLOWED TO ACCUMULATE ON WALLS, FLOORS, BACKBOARDS, OR OTHER SURFACES OUTSIDE THE CONDUIT.
2. ANY CABLE DAMAGED OR EXCEEDING RECOMMENDED INSTALLATION PARAMETERS DURING INSTALLATION SHALL BE REPLACED BY THE CONTRACTOR BEFORE FINAL ACCEPTANCE AT NO COST TO THE OWNER.
3. EACH RUN OF CABLE SHALL BE CONTINUOUS WITHOUT ANY JOINTS OR SPLICES.
4. ALL STATION CABLE SHALL BE PLACED IN THE INTERIOR OF WALLS UNLESS NOTED OTHERWISE OR OBSTRUCTED.
5. PROVIDE BUSHINGS, GROMMETS AND STRAIN-RELIEF FOR CABLES TERMINATING AT WALL-MOUNTED DEVICES TO ENSURE DURABLE AND ROBUST CONNECTIONS. THE BUSHINGS AND GROMMETS ARE INTENDED TO PROTECT THE CABLES FROM ANY SHARP EDGES THAT PRESENT A RISK TO THE CABLES. ENSURE THAT ALL SHARP EDGES ARE COVERED TO PROTECT THE CABLES FROM DAMAGE.
6. IN SUSPENDED CEILING AND RAISED FLOOR AREAS WHERE DUCT, CABLE BUNDLES SHALL BE SUPPORTED VIA "J" HOOKS ATTACHED TO THE BUILDING STRUCTURE AND FRAMEWORK AT A MAXIMUM OF FIVE (5) FOOT INTERVALS. MINIMUM 1 " WIDE J-HOOKS SHALL BE APPROPRIATELY SIZED TO ALLOW A MINIMUM OF 60% SPARE CAPACITY FOR FUTURE CABLE INSTALLATION. THE CONTRACTOR SHALL INCLUDE ALL COSTS IN BASE BID FOR ANY ADDITIONAL SUPPORTS/SEISMIC BRACING REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
7. CABLES OR J-HOOKS SHALL NOT BE ATTACHED TO LIFT OUT CEILING GRID SUPPORTS OR LAID DIRECTLY ON THE CEILING GRID.
8. CABLES OR J-HOOKS SHALL NOT BE ATTACHED TO OR SUPPORTED BY FIRE SPRINKLER HEADS OR DELIVERY SYSTEMS OR ANY ENVIRONMENTAL SENSOR LOCATED IN THE CEILING AIR SPACE.
9. WHERE ADDITIONAL CONDUIT(S)/SLEEVE(S) ARE REQUIRED, BUT NOT PROVIDED BY THE CONTRACTOR, THE SCS AND/OR LV CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE SUCH CONDUIT(S)/SLEEVE(S). CONDUIT(S) AND SLEEVE(S) SHALL BE OF SUITABLE MATERIAL, SIZED, INSTALLED, FIRE-STOPPED, AND GROUNDED AS REQUIRED BY THE CEC, ANSI/TIA-569-D STANDARD AND ALL OTHER APPLICABLE CODES AND STANDARDS. SLEEVES SHALL CONSIST OF METALLIC CONDUIT DE-BURRED AND GROMMETTED ON BOTH ENDS WITH FLANGES OR OTHER MEANS TO PREVENT THE SLEEVE FROM SLIPPING OR FALLING OUT OF THE PARTITION. SLEEVES SHALL EXTEND A MINIMUM OF 6" ON BOTH SIDES OF THE PARTITION. OUTSIDE PERIMETER OF SLEEVES SHALL BE SEALED AGAINST SOUND, AIR, WATER, HEAT, OR AS REQUIRED BY PARTITION DESIGN. INSIDE OF SLEEVE SHALL BE SEALED SIMILARLY AFTER INSTALLATION OF ALL CABLING. CABLES SHALL BE INDEPENDENTLY SUPPORTED ON EITHER SIDE OF THE SLEEVE. SLEEVES SHALL NOT BE USED AS CABLE SUPPORTS. ANY CONDUIT(S) AND SLEEVE(S) ADDED BY THE SCS CONTRACTOR SHALL BE APPROVED BY THE OWNERS REPRESENTATIVE PRIOR TO ROUGH-IN.
10. IN THE EVENT CONTRACTOR IS REQUIRED TO REMOVE CEILING TILES, SUCH WORK SHALL NOT BREAK OR DISTURB GRID. REMOVAL OF THE CEILING GRID MUST BE COORDINATED WITH THE OWNERS REPRESENTATIVE. ALL INSULATION SHALL BE REPLACED IN ITS ORIGINAL LOCATION.
11. THE NUMBER OF CABLES IN EACH CONDUIT SHALL BE CONTROLLED TO ALLOW FOR FUTURE CABLE INSTALLATION AND TO STAY WITHIN THE MANUFACTURER'S MAXIMUM ALLOWABLE CABLE PULLING TENSION. CONDUIT FILL RATIOS SHALL NOT EXCEED THE CURRENT REQUIREMENTS OF THE CEC, ANSI/TIA-569-D, REFERENCE SECTION B.2, TABLES 1 AND 2 OF THIS DOCUMENT FOR ADDITIONAL REQUIREMENTS.
12. ALL BACKBONE CABLING WILL RUN THROUGH DEDICATED CONDUITS. ALL NEW CONDUITS WILL BE SUPPLIED WITH A PULL STRING BY THE CONTRACTOR. EXISTING CONDUITS SHALL BE PROVEN TO BE CLEAR BY THE SCS AND/OR LV CONTRACTOR PRIOR TO PULLING OF CABLES. SCS AND/OR LV CONTRACTOR SHALL SUPPLY PULL STRING AND PULL ROPE FOR THE INSTALLATION OF ALL CABLES IN EXISTING CONDUITS. FOR ALL CONDUITS LEFT WITH AVAILABLE CAPACITY, SCS AND/OR LV CONTRACTOR SHALL REPLACE PULL STRINGS DURING THE COURSE OF HIS WORK. SCS AND/OR LV CONTRACTOR MUST SEAL ALL CONDUITS WITH AN APPROVED SEALING COMPOUND.

EQUIPMENT ANCHORAGE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, AND DUCTWORK DISTR. SYSTEM BRACING

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING(MP), MECHANICAL DUCTS(MD), PLUMBING PIPING(PP), ELECTRICAL DISTRIBUTION SYSTEMS(E):

MP☐ MD☐ PP☐ E☒ OPTION 1: PROJECT SPECIFIC DESIGN.

MP☐ MD☐ PP☐ E☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.

MP☐ MD☐ PP☐ E☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

CONTRACTOR(S) GUIDELINES

1. ALL FIRE ALARM WORK SHALL COMPLY WITH DESIGN GUIDELINES AS WELL AS APPLICABLE FEDERAL, STATE, AND LOCAL CODES. WHERE THE CONSTRUCTION DOCUMENTS INDICATE MORE RESTRICTIVE REQUIREMENTS, THE DOCUMENTS SHALL GOVERN BUT THE CONSTRUCTION DOCUMENTS SHALL NOT BE INTERPRETED AS AUTHORITY TO VIOLATE ANY CODE OR REGULATION.
2. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON THE PLANS AND/OR SPECIFICATIONS OR WITH CODE REQUIREMENTS, THE NOTE, CODE OR SPECIFICATION WHICH PRESCRIBES AND ESTABLISHES THE MORE COMPLETE JOB OR THE HIGHER STANDARD SHALL PREVAIL.
3. OMISSIONS FROM THE DRAWINGS, SPECIFICATIONS OR THE MIS-DESCRIPTION OF DETAILS FROM WORK WHICH ARE CLEAR AND NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS, SPECIFICATIONS, OR WHICH ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMITTED OR MIS-DESCRIBED DETAILS OF THE WORK BUT THEY SHALL BE PERFORMED AS IF FULLY AND CORRECTLY SET FORTH AND DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.
4. THE CONTRACTOR SHALL CHECK ALL DRAWINGS FURNISHED, IMMEDIATELY UPON THEIR RECEIPT AND SHALL PROMPTLY NOTIFY THE OWNER OF ANY DISCREPANCIES.
5. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE CALIFORNIA STATE FIRE MARSHAL (CSFM), UNDERWRITERS LABEL (UL) AND SHALL BE INSTALLED IN THE MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
6. THE CONTRACTOR SHALL NOT BORE, NOTCH OR IN ANY WAY CUT INTO ANY STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT OR STRUCTURAL ENGINEER.
7. ALL CHANGES TO STRUCTURES (BUILDING, DRILLING, CORING, ETC.) NOT SHOWN ON THE DRAWINGS SHALL BE APPROVED IN WRITING BY STRUCTURAL ENGINEER.
8. FOR PURPOSES OF CLEARNESS AND LEGIBILITY, THE FIRE ALARM DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DATA INFORMATION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION SECTIONS WHERE SCS AND LOW VOLTAGE WORK INTERFACES WITH OTHER TRADES.
9. THE CONTRACTOR SHALL MAINTAIN AS-BUILT DRAWINGS TO REFLECT ALL CHANGES MADE DURING CONSTRUCTION AND ANY DEVIATIONS FROM THE ELECTRICAL AND FIRE ALARM DRAWINGS. THIS INCLUDES DEVIATIONS FROM OUTLET NUMBERS AND ANY ADDITION, DELETION OR RELOCATION OF OUTLETS SHOWN ON WORKING DRAWINGS, PATHWAY ADDITIONS, DELETIONS OR RELOCATIONS. THE CONTRACTOR SHALL AFTER COMPLETION OF JOB, PROVIDE THE OWNER AN ELECTRONIC AND HARD COPY OF AS-BUILT WORK.
10. ANY DEVIATIONS FROM PLANS OR SPECS MUST BE APPROVED IN WRITING BY THE OWNER'S REPRESENTATIVE.
11. ALL FOOTAGES ON DRAWINGS ARE ESTIMATED AND MUST BE VERIFIED BY CONTRACTOR PRIOR TO ORDERING MATERIAL.
12. ALL STATION CABLES SHALL BE NEATLY DRESSED AND SECURED EVERY FIVE FEET AT A MINIMUM.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILING TILE INCLUDING REPLACEMENT OF BROKEN OR DAMAGED TILES.
14. ALL LOCATIONS PASSING THROUGH A FIRE OR A SMOKE BARRIER MUST BE FIRE STOPPED USING APPROVED (UL CLASSIFIED) FIRE STOP SYSTEM, INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS AND PROPERLY LABELED.
15. CONDUIT SHALL BE FILLED TO MAXIMUM CAPACITY (PER CODE, STANDARDS, AND NORMS) BEFORE UTILIZING ANOTHER VACANT CONDUIT.
16. ALL FIRE ALARM DEVICES SHALL BE PROPERLY IDENTIFIED USING THE OWNER'S STANDARD INTERNAL DISTRIBUTION NUMBERING SCHEME. ALL LABELS SHALL BE PREPRINTED OR TYPED.
17. EACH CABLE SHALL BE EQUIPPED WITH A PERMANENT LABEL INDICATING THE CIRCUIT IDENTIFICATION. BOTH ENDS OF EACH CABLE AND AT EVERY MAINTENANCE HOLE, HAND HOLE, AND PULL BOX, SHALL BE SO LABELED.
18. FIBER BACKBONE CABLE SHALL BE PLACED WITH 6 FOOT MAINTENANCE LOOP AT BOTH ENDS OF THE RUN. THE MAINTENANCE LOOP SHALL BE SECURED IN SUCH A MANNER TO PROVIDE PROTECTION DURING SUBSEQUENT CABLE PULLS.
19. FIBER CABLES SHALL BE SPLICED TOGETHER USING A FUSION SPLICE AND PLACED IN A FIBER SPLICE CASE THAT IS RE-ENTERABLE, FULLY DRESSED AND ENCLOSED TO FIT THE NUMBER AND TYPE OF CABLES TERMINATED.
20. ALL CABLES SHALL BE CLEARLY LABELED WITH CIRCUIT IDENTIFICATION.
21. PULL ROPES SHALL BE PLACED IN ALL VACANT CONDUITS.
22. ALL WORK MUST BE COMPLETED IN A NEAT AND PROFESSIONAL MANNER. THE WORK SITE SHALL BE KEPT CLEAN AND ALL DAMAGE TO OWNER'S PROPERTY REPAIRED.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING A FINAL CLEANUP OF THE WORK SITE PRIOR TO FINAL SYSTEM ACCEPTANCE.
24. CONTRACTOR SHALL REMOVE ALL COPPER, FIBER AND COAXIAL CABLES ABANDONED IN CONDUIT, CEILINGS AND WALLS PER CEC. CABLE SHALL INCLUDE ALL INTRABUILDING, RISER SYSTEMS AND STATION CABLES FOR ALL LOW VOLTAGE/FIRE ALARM/STRUCTURED CABLING SYSTEMS.
25. CONTRACTOR(S) SHALL VERIFY ALL SITE CONDITIONS PRIOR TO BID.
26. IN ACCESSIBLE CEILING SPACES:
    - 26.1. THE CONTRACTOR SHALL PROVIDE THE REQUIRED STUB UP(S) / OUT(S) AND BOXES WITH MUD-RINGS TO THE NEAREST ACCESSIBLE CEILING SPACE AND / OR NEAREST FIRE ALARM PATHWAY INFRASTRUCTURE, REFERENCE PLANS AND SPECIFICATION FOR MORE INFORMATION.
    - 26.2. THE DESIGNATED SCS / FIRE ALARM CONTRACTOR(S) SHALL PROVIDE A J-HOOK PATHWAY SYSTEM AND REQUIRED SLEEVES. DO NOT USE CEILING TILE WIRE HANGERS, WATER OR ELECTRICAL PIPES, OR LIGHT FIXTURES TO HANG CABLE. CABLE MUST BE A MINIMUM OF 6 INCHES ABOVE THE CEILING TILE AND MUST NOT COME WITHIN TWELVE INCHES OF A LIGHT FIXTURE. THE DESIGNATED ELECTRICAL CONTRACTOR(S) FOR EACH "SUB-SYSTEM WILL PROVIDE THE PATHWAY REQUIRED FOR THE SYSTEMS, OUTSIDE WHAT IS CONSIDERED THE STRUCTURED CABLING SYSTEM.
27. IN INACCESSIBLE AND HARD-LID CEILING SPACES;
    - 27.1. THE CONTRACTOR SHALL PROVIDE ALL CONDUIT PATHWAYS, BOXES ETC. FOR A COMPLETE SYSTEM FROM THE MDF ROOM, IDF ROOM(S), IDF CABINET(S), AND ALL OTHER LOW VOLTAGE / FIRE ALARM SYSTEMS HEADEND, CABINETS, TERMINAL CABINETS, ETC. TO THE POINT OF TERMINATION AT THE STATION END LOCATION PER PLANS AND SPECIFICATION.

FIRE ALARM SCOPE OF WORK

UPGRADE THE EXISTING CAMPUS FIRE ALARM SYSTEM FROM EST-3 TO EST-4 IN A LIKE FASHION. CERTAIN CARDS WILL BE REPLACED DUE TO THE COMPATIBILITY AND MOST OF THE CARDS WILL REMAIN. NEW DEVICES AND NOTIFICATION APPLIANCES WILL BE PROVIDED IN BUILDING A AND B REMODEL. ADDITIONAL FIRE ALARM DEVICES AND NOTIFICATION APPLIANCES WILL BE PROVIDED TO THE NEW BUILDINGS IN COMPLIANCE WITH THE CURRENT CODE AND STANDARDS.

FIRE ALARM SYSTEM TYPE

☐ MANUAL SYSTEM: A MANUALLY OPERATED DEVICE USED TO INITIATE A FIRE ALARM SIGNAL.

☐ AUTOMATIC SYSTEM: A FIRE ALARM SYSTEM WHICH DOES NOT REQUIRE MANUAL OPERATION.

☒ TOTAL AUTOMATIC AND MANUAL SYSTEM: A MANUAL AND AUTOMATIC FIRE ALARM SYSTEM IS REQUIRED IN ALL NEW BUILDINGS (INCLUDING PERMANENT PORTABLE BUILDINGS) USED FOR EDUCATIONAL PURPOSES WITH AN OCCUPANT LOAD OF 50 OR MORE OR CONTAINING MORE THAN ONE CLASSROOM.

CODES AND STANDARDS

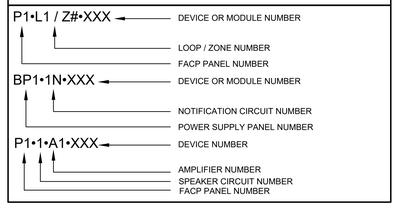
APPLICABLE PROJECT BUILDING CODES, EFFECTIVE AS OF DATE: JANUARY 1, 2023

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC)
2022 CALIFORNIA BUILDING CODE (CBC)
2022 CALIFORNIA ELECTRICAL CODE (CEC)
2022 CALIFORNIA FIRE CODE (CFC)
2022 CALIFORNIA ENERGY CODE
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
2022 CALIFORNIA REFERENCED STANDARDS CODE
2022 NFPA 72: NATIONAL FIRE ALARM AND SIGNALING CODE
2022 NFPA 1221: STANDARD FOR THE INSTALLATION, MAINTENANCE, AND USE OF EMERGENCY SERVICES COMMUNICATIONS SYSTEMS

DSA GENERAL NOTES

1. APPLICABLE STANDARD NFPA 72, as adopted and amended in CBC Chapter 35
2. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.
3. UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.
4. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
5. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.
6. DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.
7. ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.
8. WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.
9. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THEN 6" TO A HORIZONTAL STRUCTURE.
10. AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.
11. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.
12. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
13. VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
14. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
15. ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.
16. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
17. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
18. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
19. FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
20. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS.
21. THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD OF COMPLETION" PER NFPA 72, FIGURE 17.8.2.
22. FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.
23. MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308.
24. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
25. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
26. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.

ADDRESS NOMENCLATURE



CABLE LEGEND

LABEL	AWG	DESCRIPTION
A	16	16/2 FPLP CABLE (SLC)
V	14	14/2 FPLP CABLE (NAC)
S	14	14/2 FPLP SHIELDED CABLE (SPEAKER)
D	16	16/2 FPLP CABLE (24VDC / AUX)
Z	16	16/2 FPLP CABLE (IDC)
485	16	16/2 FPLP CABLE (485 DATA)

DEVICE LEGEND

SYMBOL	QTY	EXISTING	MANUFACTURER	PART NO	DESCRIPTION	CSFM
FACP	1		EDWARDS	EST4 ASSEMBLY	EST4 MAIN FACP - CONFIGURATION 230209	7170-1657:0508
	1		EDWARDS	SIGA-UIO6R	6 POSITION, RISER SELECTION UIO MODULE MOTHERBOARD	7300-1657:0121
	1		EDWARDS	3-BPS/M	BOOSTER POWER SUPPLY 120V	7170-1657:0508
	1		EDWARDS	3-MODCOM	MODEM COMMUNICATOR AND DIALER	7170-1657:0508
	3		EDWARDS	SIGA-IM2	ISOLATOR MODULE	7300-1657:0121
	5		EDWARDS	SIGA-MCC1	SIGNAL MODULE /W 1 RISER IN, 1 OUTPUT CKT, CL 'B' - UIO MOUNT	7300-1657:0121
	1		EDWARDS	3-SSDC1	SIGNATURE SINGLE DRIVER CONTROLLER (LRM)	7170-1657:0508
	4		EDWARDS	3-ZA40B	40 WATT ZONED AMPLIFIER, CLASS B, 25 OR 70VRMS	7170-1657:0508
	1		EDWARDS	4-24L24S	24 INDICATOR 24 CONTROL DISPLAY MODULE	7170-1657:0508
	1		EDWARDS	4-PPS/M	PRIMARY POWER SUPPLY 120V	7300-1657:0519
	1		EDWARDS	SIGA-MP1	FULL FOOTPRINT MOUNTING PLATE FOR 4 DOUBLE OR 8 SINGLE MODULES	7300-1657:0121
	2		EDWARDS	SIGA-CT2	DUAL INPUT MODULE	7300-1657:0121
	1		EDWARDS	3-SDDC1	DUAL SIGNATURE DRIVER CONTROLLER. COMES WITH TWO 3-SDC1S. MOUNTS TO LOCAL RAIL.	7170-1657:0508
	1		EDWARDS	4-CPU	MAIN CPU	7170-1657:0508
	1		EDWARDS	4-MIC	PAGING MICROPHONE	7170-1657:0508
	1		EDWARDS	4-LCDLE	DISPLAY,MAIN LCD MODULE	7170-1657:0508
	1		EDWARDS	3-ASU/4	AUDIO SOURCE UNIT /W 4 RAIL SPACES	7165-1657:0186
	3		EDWARDS	BPS10A	REMOTE BOOSTER POWER SUPPLY, 10A, 120VAC, RED	7300-1657:0229
NAC	3		EDWARDS	SIGA-CC1S	SYNCHRONIZATION OUTPUT MODULE (STANDARD MOUNT) - UL/ULC LISTED	7300-1657:0121
	3		EDWARDS	BPS10A MAINBOARD	MAINBOARD FOR BPS10A ASSEMBLY	7300-1657:0229
PAS	1		EDWARDS	4-6ANN (PAGING)	ANNUNCIATOR WITH 4-ANN CPU, 4-MIC	7170-1657:0508
F 278	1	X	EDWARDS	SIGA-278	DOUBLE ACTION FIRE ALARM STATION	7150-1657:0129
AM	6		EDWARDS	SIGA-CT1	SINGLE INPUT MODULE	7300-1657:0121
AM	3	X	EDWARDS	SIGA-CT1	SINGLE INPUT MODULE	7300-1657:0121
AM	1		EDWARDS	SIGA-CT1HT	SINGLE INPUT MODULE HIGH TEMPERATURE OPERATION	7300-1657:0121
AM	1	X	EDWARDS	SIGA-CT1HT	SINGLE INPUT MODULE HIGH TEMPERATURE OPERATION	7300-1657:0121
AM DM	1	X	EDWARDS	SIGA-CT2	DUAL INPUT MODULE	7300-1657:0121
AM	2	X	EDWARDS	SIGA-CR	CONTROL RELAY MODULE	7300-1657:0121
H 194°	1		SYSTEM SENSOR	5602	194 °F (90° C) FIXED AND RATE-OF-RISE.	7270 -1653 - 0167
H 194°	10	X	SYSTEM SENSOR	5602	194 °F (90° C) FIXED AND RATE-OF-RISE.	7270 -1653 - 0167
H AC	24	X	SYSTEM SENSOR	5602	194 °F (90° C) FIXED AND RATE-OF-RISE.	7270 -1653 - 0167
H 135°	14		EDWARDS	SIGA-HRD W/SIGA-SB BASE	INTELLIGENT FIXED TEMPERATURE/RATE-OF-RISE HEAT DETECTOR, STANDARD DETECTOR BASE	7270-1657:0333
H 135°	1	X	EDWARDS	SIGA-HRD W/SIGA-SB BASE	INTELLIGENT FIXED TEMPERATURE/RATE-OF-RISE HEAT DETECTOR, STANDARD DETECTOR BASE	7270-1657:0333
S	96		EDWARDS	SIGA-OSD W/SIGA-SB BASE	PHOTOELECTRIC SMOKE DETECTOR	7272-1657:0511
S	29	X	EDWARDS	SIGA-PD W/SIGA-SB BASE	PHOTOELECTRIC SMOKE DETECTOR	7272-1657:0331
	42		EDWARDS	G4SVRF	70V SPEAKER/STROBE, RED, FIRE 15, 30, 75, 110 CD, CLEAR	7320-1657:0516
	3	X	EDWARDS	G4HFRF-S7VMC	70V SPEAKER/STROBE, RED, FIRE 15, 30, 75, 110 CD, CLEAR	7320-1657:0323
	1

IF THE LINE BROWN ABOVE IS NOT CONTINUOUS, DRAWING IS EXPANDED FROM ORIGINAL PAGE SIZE

GENERAL NOTES

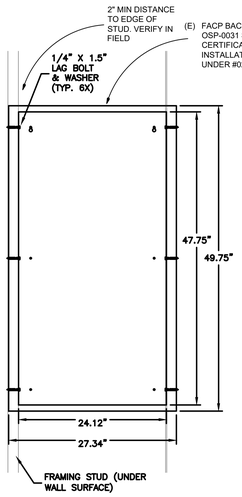
1. THE FIRE ALARM SYSTEM SHALL COMPLY WITH A TOTAL COVERAGE FULLY AUTOMATIC SYSTEM. DETECTORS SHALL BE INSTALLED IN ALL AREAS WHERE REQUIRED BY THE APPROPRIATE NFPA STANDARD OR THE AUTHORITY HAVING JURISDICTION. EACH INSTALLED DETECTOR SHALL BE ACCESSIBLE FOR PERIODIC MAINTENANCE AND TESTING. PROVIDE ACCESS DOORS AS REQUIRED. TOTAL COVERAGE SHALL INCLUDE ALL ROOMS, STORAGE AREAS, ATTICS, SPACES ABOVE SUSPENDED CEILINGS, AND OTHER SUBDIVISIONS AND ACCESSIBLE SPACES. INACCESSIBLE AREA SHALL NOT BE REQUIRED TO BE PROTECTED BY DETECTORS UNLESS THEY CONTAIN COMBUSTIBLE MATERIAL, IN WHICH CASE THEY SHALL BE MADE ACCESSIBLE AND BE PROTECTED BY DETECTOR(S).
2. THE FIRE ALARM SYSTEM IS AN ADDRESSABLE SYSTEM.
3. THE AUTOMATIC FIRE ALARM SYSTEM SHALL COMPLY WITH SENATE VOTE BILL NO. 575 (SB575) & CBC 907.2 FOR NEW CONSTRUCTION PROJECTS.
4. THE FIRE ALARM SYSTEM IS A COMPLETE SUBMITTAL.
5. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA BUILDING CODE (CBC) SECTION 907; THE CALIFORNIA ELECTRICAL CODE (CEC) ARTICLE 760 AND THE CALIFORNIA FIRE CODE (CFC) SECTION 907. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE DIVISION OF THE STATE ARCHITECT (DSA) INSPECTOR OF RECORD.
6. PROVIDE COMPLETE SYSTEM WIRING. ALL WIRING SHALL BE IN MINIMUM 3/4" CONDUIT. NO OTHER SYSTEMS WIRING SHALL BE ROUTED IN THE FIRE ALARM CIRCUITS. HARDWIRED INITIATION CIRCUITS SHALL BE MINIMUM #14 THHN/THWN. SYSTEMS WIRING SHALL BE PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND THEIR REQUIREMENTS. ALL CONDUIT SHALL BE INSTALLED WITH COMPRESSION FITTINGS FOR COUPLERS AND BOX CONNECTORS.
7. WIRING AND MATERIALS PER CEC 760.
8. THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
9. BEFORE REQUESTING FINAL APPROVAL OF THE INSTALLATION, THE INSTALLING CONTRACTOR SHALL FURNISH A WRITTEN STATEMENT TO THE PROJECT INSPECTOR TO THE EFFECT THAT THE SYSTEM HAS BEEN INSTALLED AND TESTED IN ACCORDANCE WITH THE NFPA 72 SECTION 14.4
10. A FIRE ALARM ACCEPTANCE TEST OF ALL DEVICES AND APPLIANCES, INCLUDING THE BACKUP BATTERY(IES), SHALL BE PERFORMED. ALL MANUFACTURER OPERATING RANGED SHALL BE MET, TESTING OF THE SUPERVISING STATION SIGNALS, AS WELL AS RELAY TO THE APPROPRIATE RESPONDING AGENCY, SHALL BE INCLUDED IN THE ACCEPTANCE TESTING. THE PROJECT INSPECTOR SHALL WITNESS THE ACCEPTANCE INSPECTION AND SHALL SIGN AS THE AUTHORITY HAVING JURISDICTION REPRESENTATIVE ON THE "SYSTEM RECORD OF COMPLETION" (NFPA 72, SECTION 7.5.6). AND THE " SYSTEM RECORD OF INSPECTION AND TESTING" (NFPA 7.6.6). SEE NFPA 72, FIGURE 7.8.2(a) & (g). ALL SUPPLEMENTARY RECORDS SHALL BE ATTACHED AS APPLICABLE. THE PROJECT INSPECTOR SHALL VERIFY THAT THE FIRE ALARM SYSTEM IN SERVICE PRIOR TO COMPLETION OF THE "SYSTEM RECORD OF COMPLETION" FORM. ALL ORIGINAL DOCUMENTATION SHALL BE RETAINED IN THE REQUIRED DOCUMENTATION CABINET.
11. AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AND CBC 907.6.5.3 THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUIS BY UL OR SHALL MEET THE REQUIREMENTS OF FM STANDARD 8013.
12. HEAT DETECTORS SHALL BE INSTALLED IN COMBUSTIBLE SPACES WHERE SPRINKLER OR SMOKE DETECTOR ARE NOT INSTALLED PER CFC 907.2.3.6.2.

ABBREVIATIONS

ACP	ACCESS CONTROL PROCESSOR	(N)	NEW
AFF	ABOVE FINISHED FLOOR	NC	NORMALLY CLOSED
AHJ	AUTHORITY HAVING JURISDICTION	NIC	NOT IN CONTRACT
AMP	AMPLIFIER	NO	NORMALLY OPEN
AOR	ARCHITECT OF RECORD	NTS	NOT TO SCALE
AUTO	AUTOMATIC	OC	ON CENTER
AUX	AUXILIARY	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
AWG	AMERICAN WIRE GAUGE	OFOI	OWNER FURNISHED, OWNER INSTALLED
BCT	BONDING CONDUCTOR FOR TELECOMMUNICATIONS	OSP	OUTSIDE PLANT
C	CONDUIT	PB	PULL BOX
CATV	COMMUNITY ANTENNA TELEVISION	POE	POWER OVER ETHERNET
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	PR	PAIR OF CONDUCTORS
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED	PVC	POLYVINYL CHLORIDE
CL	CENTERLINE	PWR	POWER
CSFM	CALIFORNIA STATE FIRE MARSHAL	(RR)	REMOVE AND REPLACE
DIV	DIVISION	(RL)	REMOVE AND RELOCATE
DC	DOOR CONTACT	RCP	REFLECTED CEILING PLAN
(EX)	EXISTING	RFI	REQUEST FOR INFORMATION
EC	ELECTRICAL CONTRACTOR	RMC	RIGID METALLIC CONDUIT
ECS	EMERGENCY COMMUNICATION SYSTEM	SCS	STRUCTURED CABLING SYSTEM
EF	ENTRANCE FACILITY FOR TELECOMMUNICATION	SM	SINGLE MODE
EMT	ELECTRIC METALLIC TUBING	STR	STRANDS (OF FIBER)
ER	EQUIPMENT ROOM	STP	SHIELDED TWISTED PAIR
EXT	EXTERIOR	SEC	SECURITY
(F)	FUTURE	TBB	TELECOMMUNICATIONS BONDING BACKBONE
FACP	FIRE ALARM CONTROL PANEL	TELCO	TELEPHONE COMPANY
FATC	FIRE ALARM TERMINAL CABINET	TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
FABP	FIRE ALARM BOOSTER PANEL	TMGB	TELECOMMUNICATION MAIN GROUNDING BUSBAR
FB	FLOORBOX	TYP	TYPICAL
FO	FIBER OPTIC	UNO	UNLESS NOTED OTHERWISE
GC	GENERAL CONTRACTOR	UPS	UNINTERRUPTIBLE POWER SUPPLY
IDF	INTERMEDIATE DISTRIBUTION FRAME	UTP	UNSHIELDED TWISTED PAIR
INT	INTERIOR	V	VOICE
IP	INTERNET PROTOCOL	WB	WALL BOX
JB	JUNCTION BOX	WP	WEATHERPROOF
LV	LOW VOLTAGE		
MDF	MAIN DISTRIBUTION FRAME		
MIC	MICROPHONE		
MM	MULTIMODE		
MPOE	MINIMUM POINT OF ENTRY		

SEQUENCE OF OPERATIONS

	SYSTEM INPUTS	SYSTEM OUTPUTS: PANEL ANNUNCIATION: ACTUATE GENERAL ALARM AUDIBLE NOTIFICATION	ACTUATE GENERAL ALARM VISUAL NOTIFICATION	ACTUATE SUPERVISORY ALARM SOUNDER IN PANEL	ACTUATE SUPERVISORY ALARM VISUAL INDICATOR IN PANEL	ACTUATE TROUBLE ALARM SOUNDER IN PANEL	ACTUATE TROUBLE ALARM VISUAL INDICATOR IN PANEL	ACTUATE PANEL'S LCD DISPLAY	ACTUATE AUDIBLE & VISUAL NOTIFICATION DEVICES	TRANSMIT GENERAL FIRE ALARM SIGNAL TO REMOTE STATION	TRANSMIT SUPERVISORY SIGNAL TO REMOTE STATION	TRANSMIT TROUBLE SIGNAL TO REMOTE STATION	REMARKS
1	ADDRESSABLE MANUAL PULL STATION(S)	●	●				●	●	●				1
2	ADDRESSABLE SMOKE DETECTOR(S)	●	●				●	●	●				2
3													3
4													4
5													5
6													6
7	GROUND FAULT				●	●	●			●			7
8	OPEN CIRCUIT				●	●	●			●			8
9	NOTIFICATION CIRCUIT TROUBLE				●	●	●			●			9
10	FIRE ALARM PANEL LOW BATTERY				●	●	●			●			10
11	FIRE ALARM PANEL AC POWER FAILURE				●	●	●			●			11
12	FIRE ALARM PANEL COMMUNICATION LINE FAULT				●	●	●			●			12
13													13
14													14



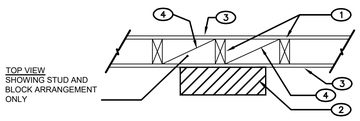
(E) FACP BACKBOX ANCHORAGE DETAIL

SCALE : NONE

6 FA0.2-2

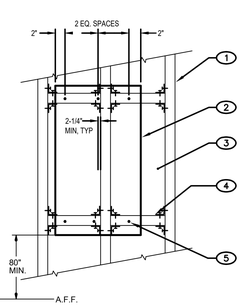
KEY NOTES

1. WOOD STUD
2. SURFACE MOUNTED FACU CABINET, SEE NOTE #1
3. SHEET ROCK OR OTHER WALL SURFACE MATERIAL (SEE ARCH. DRAWINGS)
4. BLOCKING (MATCH STUD DEPTH) ATTACH TO (E) VERTICAL STUDS WITH A34 CLIPS EACH END, TOP AND BOTTOM - AVOID CONFLICT OF NAILS EACH SIDE OF STUD
5. 5/16" X 2 1/2" LAG SCREWS WITH 1-1/2" MIN. EMBED TO BLOCK. (6) LAG SCREWS TOTAL. (BY ELECTRICAL CONTRACTOR)



NOTES:

1. ALL FIRE ALARM CABINETS ARE 250# MAX. (INCLUDING CONTENTS)
2. MOUNT TERMINAL CABINETS, J-BOXES, ETC., IN SIMILAR FASHION.



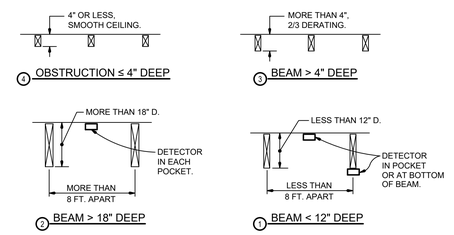
PANEL ON WOOD FRAME UNIT ELEVATION DETAIL

SCALE : NONE

3 FA0.2-2

NOTES:

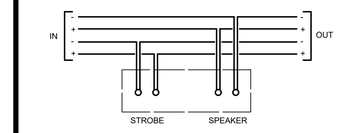
1. SOLID JOIST CONSTRUCTION.
   SPACING: THE DESIGN SPACING OF HEAT DETECTORS, WHERE MEASURED AT RIGHT ANGLES TO THE SOLID JOISTS, SHALL NOT EXCEED 50 PERCENT OF THE LISTED SPACING.
   B. LOCATION: DETECTORS SHALL BE MOUNTED AT THE BOTTOM OF THE JOISTS.
2. BEAM CONSTRUCTION.
   A. SPACING:
      1. A CEILING SHALL BE TREATED AS A SMOOTH CEILING IF THE BEAMS PROJECT NO MORE THAN 4 IN. BELOW THE CEILING.
      2. WHERE THE BEAMS PROJECT MORE THAN 4 IN. BELOW THE CEILING, THE SPACING OF SPOT-TYPE HEAT DETECTORS AT RIGHT ANGLES TO THE DIRECTION OF BEAM TRAVEL SHALL BE NOT MORE THAN TWO-THIRDS OF THE LISTED SPACING.
      3. WHERE THE BEAMS PROJECT MORE THAN 18 IN. BELOW THE CEILING AND ARE MORE THAN 8 FT. ON CENTER, EACH BAY FORMED BY THE BEAMS SHALL BE TREATED AS A SEPARATE AREA.
   B. LOCATION: WHERE BEAMS ARE LESS THAN 12 IN. IN DEPTH AND LESS THAN 8 FT. ON CENTER, DETECTORS SHALL BE PERMITTED TO BE INSTALLED ON THE BOTTOM OF BEAMS.
3. BEAM CONSTRUCTION CONSISTS OF SOLID MEMBERS PROJECTING DOWN FROM THE CEILING SURFACE MORE THAN 4" AND SPACED MORE THAN 36" O.C.
4. JOIST CONSTRUCTION CONSISTS OF SOLID MEMBERS PROJECTING DOWN FROM THE CEILING SURFACE MORE THAN 4" AND SPACED AT 36" OR LESS O.C.



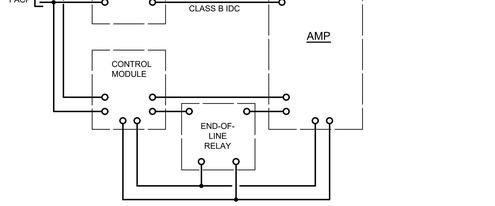
DETECTOR JOIST MOUNTING DETAIL

SCALE : NO SCALE

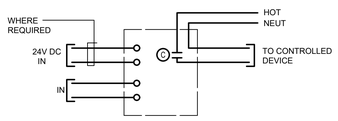
1 FA0.2-2



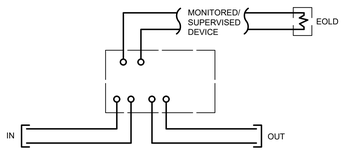
SPEAKER OR STROBE OR SPEAKER/STROBE ON SAME CIRCUIT



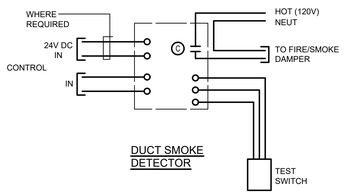
FIRE ALARM AMPLIFIER PANEL



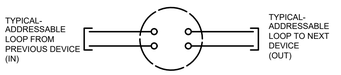
CONTROL MODULE



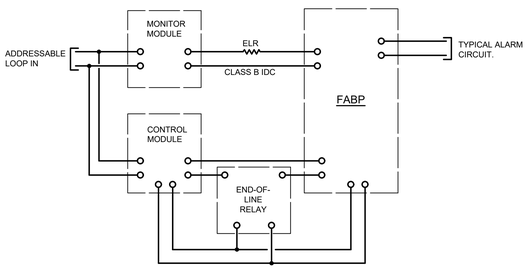
MONITOR MODULE



DUCT SMOKE DETECTOR



SMOKE OR HEAT DETECTORS



FIRE SIGNAL BOOSTER PANEL

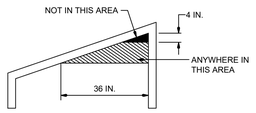
TYPICAL - FIRE ALARM DEVICES WIRING DIAGRAMS

SCALE : NONE

5 FA0.2-2

NOTES:

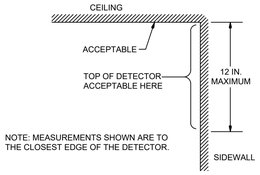
1. ALL FIRE ALARM CABINETS ARE 250# MAX. (INCLUDING CONTENTS)
2. MOUNT TERMINAL CABINETS, J-BOXES, ETC., IN SIMILAR FASHION.



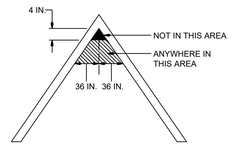
SHED/SLOPED CEILING

OTHER SPECIFIC SMOKE DETECTOR LOCATION REQUIREMENTS:

1. MINIMUM 10 FT HORIZONTALLY FROM FIXED COOKING APPLIANCES. (SOME EXCEPTIONS)
2. MINIMUM 36-IN AWAY HORIZONTALLY FROM A DOOR CONTAINING A SHOWER OR TUB.
3. MINIMUM 36-IN AWAY HORIZONTALLY FROM AIR REGISTERS.
4. MINIMUM 36-IN AWAY HORIZONTALLY FROM CEILING FANS.



WALL MOUNTED

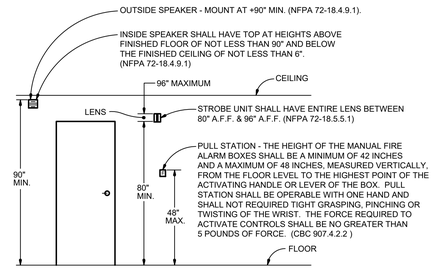


PEAKED CEILING

SMOKE DETECTOR LOCATION REQ'S

SCALE : NONE

4 FA0.2-2



DEVICE MOUNTING DETAIL

SCALE : NO SCALE

2 FA0.2-2

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects
3431007000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

REGISTERED PROFESSIONAL ENGINEER — JOHN C. GUDAITIS — E 24187 — EXPIRES 9/30/26 — ELECTRICAL — STATE OF CALIFORNIA

capital engineering
RANCHO CORDOVA, CALIFORNIA

JG - JSG 240047.00
PM - DESIGN TEAM PROJECT NO.

DATE SIGNED: 04-04-2025

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
Author
SHEET NAME:
FIRE ALARM SEQUENCE OF OPERATIONS AND DETAILS

CONSTRUCTION DOCUMENTS

DATE: 03/12/2025 | CLIENT PROJ NO: 3431007000

SHEET:

FA0.2-2

Autodesk Docs://3431007000 Lodi MS Additions/3431007000-LDMJMS-ADDITIONS.rvt
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PLEASE RECYCLE

NOTE: DEVICE COUNTS AND CALCULATIONS SHALL INCLUDE BLDG H AND J FOR THIS INC SUBMITTAL. PLEASE REFERANCE FLOOR PLAN AND RISER DIAGRAM FOR BLDG A AND B.

THE LINE BROWN ABOVE IS EXACTLY 3" WHEN PRINTED ON ANSI D SHEETS ORIGINAL PAGE SIZE

BP3 N1 POINT-TO-POINT REPORT

CIRCUIT SETTINGS		TOTALS	
Starting Calculation Voltage:	19.7	Max. Voltage Drop:	**1.54**
Min. Operational Voltage:	16	End Of Line Voltage:	**18.16**
Max. Circuit Current (A):	3	Voltage Drop Percent:	**7.82 %**
Wire Resistance (Ω/KFt):	3.07	Total Circuit Current (A):	**1.113**
Total Circuit Length (Ft):	390	Spare Current (A):	**1.887**
Total Circuit Resistance (Ω):	2.395701	Spare Current (A) Percent:	**62.90 %**

Circuit Wiring Properties: "V 14/2 FPLP/R (NAC) 14 AWG, 2 Cond. Solid Copper FPLP/R Analog Unshielded

Distance measured using drawn segment lengths with 10.00 % additional length calculated

Device Label	Part No.	Description	Device Current (A)	Remaining Current (A)	Dist. From Previous (Ft)	Resistance From Previous (Ω)	Voltage Drop From Previous	Voltage At Device	Total Voltage Drop	Voltage Drop Percent
BP3•N1•01	G4HFRF-S7VMC	70V Speaker/Strobe, Red, FIRE 15, 30, 75, 110 cd, Clear 75cd	0.159	**1.113**	48	**0.292145**	**0.33**	**19.37**	**0.33**	**1.65 %**
BP3•N1•02	G4HFRF-S7VMC	70V Speaker/Strobe, Red, FIRE 15, 30, 75, 110 cd, Clear 75cd	0.159	**0.954**	32	**0.198433**	**0.19**	**19.19**	**0.51**	**2.61 %**
BP3•N1•03	G4HFRF-S7VMC	70V Speaker/Strobe, Red, FIRE 15, 30, 75, 110 cd, Clear 75cd	0.159	**0.795**	122	**0.750459**	**0.6**	**18.59**	**1.11**	**5.64 %**
BP3•N1•04	G4HFRF-S7VMC	70V Speaker/Strobe, Red, FIRE 15, 30, 75, 110 cd, Clear 75cd	0.159	**0.636**	34	**0.206401**	**0.13**	**18.46**	**1.24**	**6.31 %**
BP3•N1•05	G4HFRF-S7VMC	70V Speaker/Strobe, Red, FIRE 15, 30, 75, 110 cd, Clear 75cd	0.159	**0.477**	33	**0.201002**	**0.1**	**18.36**	**1.34**	**6.79 %**
BP3•N1•06	G4HFRF-S7VMC	70V Speaker/Strobe, Red, FIRE 15, 30, 75, 110 cd, Clear 75cd	0.159	**0.318**	86	**0.531041**	**0.17**	**18.19**	**1.51**	**7.65 %**
BP3•N1•07 EOL 15k	G4HFRF-S7VMC	70V Speaker/Strobe, Red, FIRE 15, 30, 75, 110 cd, Clear 75cd	0.159	**0.159**	35	**0.21622**	**0.03**	**18.16**	**1.54**	**7.82 %**

Calculation Methods:

Resistance From Previous (Ω) = Wire Resistance (Ω/Ft) x 2 x Dist. From Previous (Ft)

Voltage Drop From Previous = Resistance From Previous (Ω) x Remaining Current (A)

BP3 N2 POINT-TO-POINT REPORT

CIRCUIT SETTINGS		TOTALS	
Starting Calculation Voltage:	19.7	Max. Voltage Drop:	**1.36**
Min. Operational Voltage:	16	End Of Line Voltage:	**18.34**
Max. Circuit Current (A):	3	Voltage Drop Percent:	**6.91 %**
Wire Resistance (Ω/KFt):	3.07	Total Circuit Current (A):	**0.795**
Total Circuit Length (Ft):	383	Spare Current (A):	**2.205**
Total Circuit Resistance (Ω):	2.350323	Spare Current (A) Percent:	**73.50 %**

Circuit Wiring Properties: "V 14/2 FPLP/R (NAC) 14 AWG, 2 Cond. Solid Copper FPLP/R Analog Unshielded

Distance measured using drawn segment lengths with 10.00 % additional length calculated

Device Label	Part No.	Description	Device Current (A)	Remaining Current (A)	Dist. From Previous (Ft)	Resistance From Previous (Ω)	Voltage Drop From Previous	Voltage At Device	Total Voltage Drop	Voltage Drop Percent
BP3•N2•01	G4HFRF-S7VMC	70V Speaker/Strobe, Red, FIRE 15, 30, 75, 110 cd, Clear 75cd	0.159	**0.795**	155	**0.950313**	**0.76**	**18.94**	**0.76**	**3.84 %**
BP3•N2•02	G4HFRF-S7VMC	70V Speaker/Strobe, Red, FIRE 15, 30, 75, 110 cd, Clear 75cd	0.159	**0.636**	81	**0.498445**	**0.32**	**18.63**	**1.07**	**5.44 %**
BP3•N2•03	G4HFRF-S7VMC	70V Speaker/Strobe, Red, FIRE 15, 30, 75, 110 cd, Clear 75cd	0.159	**0.477**	33	**0.204016**	**0.1**	**18.53**	**1.17**	**5.94 %**
BP3•N2•04	G4HFRF-S7VMC	70V Speaker/Strobe, Red, FIRE 15, 30, 75, 110 cd, Clear 75cd	0.159	**0.318**	83	**0.509678**	**0.16**	**18.37**	**1.33**	**6.76 %**
BP3•N2•05 EOL 15k	G4HFRF-S7VMC	70V Speaker/Strobe, Red, FIRE 15, 30, 75, 110 cd, Clear 75cd	0.159	**0.159**	31	**0.187871**	**0.03**	**18.34**	**1.36**	**6.91 %**

Calculation Methods:

Resistance From Previous (Ω) = Wire Resistance (Ω/Ft) x 2 x Dist. From Previous (Ft)

Voltage Drop From Previous = Resistance From Previous (Ω) x Remaining Current (A)

BP2 N1 POINT-TO-POINT REPORT

CIRCUIT SETTINGS		TOTALS	
Starting Calculation Voltage:	19.7	Max. Voltage Drop:	**0.37**
Min. Operational Voltage:	16	End Of Line Voltage:	**19.33**
Max. Circuit Current (A):	3	Voltage Drop Percent:	**1.90 %**
Wire Resistance (Ω/KFt):	3.07	Total Circuit Current (A):	**0.36**
Total Circuit Length (Ft):	366	Spare Current (A):	**2.64**
Total Circuit Resistance (Ω):	2.247011	Spare Current (A) Percent:	**88.00 %**

Circuit Wiring Properties: "V 14/2 FPLP/R (NAC) 14 AWG, 2 Cond. Solid Copper FPLP/R Analog Unshielded

Distance measured using drawn segment lengths with 10.00 % additional length calculated

Device Label	Part No.	Description	Device Current (A)	Remaining Current (A)	Dist. From Previous (Ft)	Resistance From Previous (Ω)	Voltage Drop From Previous	Voltage At Device	Total Voltage Drop	Voltage Drop Percent
BP2•N1•01	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 30cd	0.028	**0.36**	14	**0.088018**	**0.03**	**19.67**	**0.03**	**0.16 %**
BP2•N1•02	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 30cd	0.028	**0.332**	15	**0.094039**	**0.03**	**19.64**	**0.06**	**0.32 %**
BP2•N1•03	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.304**	23	**0.138995**	**0.04**	**19.59**	**0.11**	**0.53 %**
BP2•N1•04	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 110cd	0.028	**0.276**	24	**0.147168**	**0.04**	**19.55**	**0.15**	**0.74 %**
BP2•N1•05	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 110cd	0.028	**0.248**	31	**0.188207**	**0.05**	**19.51**	**0.19**	**0.98 %**
BP2•N1•06	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.22**	50	**0.304888**	**0.07**	**19.44**	**0.26**	**1.32 %**
BP2•N1•07	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 75cd	0.028	**0.192**	31	**0.192592**	**0.04**	**19.4**	**0.3**	**1.51 %**
BP2•N1•08	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.036	**0.164**	14	**0.083856**	**0.01**	**19.39**	**0.31**	**1.57 %**
BP2•N1•09	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.036	**0.128**	16	**0.098453**	**0.01**	**19.38**	**0.32**	**1.64 %**
BP2•N1•10	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.036	**0.092**	25	**0.155216**	**0.01**	**19.36**	**0.34**	**1.71 %**
BP2•N1•11	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 110cd	0.028	**0.056**	92	**0.567807**	**0.03**	**19.33**	**0.37**	**1.87 %**
BP2•N1•12 EOL 15k	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 110cd	0.028	**0.028**	31	**0.187772**	**0.01**	**19.33**	**0.37**	**1.90 %**

Calculation Methods:

Resistance From Previous (Ω) = Wire Resistance (Ω/Ft) x 2 x Dist. From Previous (Ft)

Voltage Drop From Previous = Resistance From Previous (Ω) x Remaining Current (A)

BP1 4N POINT-TO-POINT REPORT

CIRCUIT SETTINGS		TOTALS	
Starting Calculation Voltage:	19.7	Max. Voltage Drop:	**0.21**
Min. Operational Voltage:	16	End Of Line Voltage:	**19.49**
Max. Circuit Current (A):	3	Voltage Drop Percent:	**1.06 %**
Wire Resistance (Ω/KFt):	3.07	Total Circuit Current (A):	**0.252**
Total Circuit Length (Ft):	244	Spare Current (A):	**2.748**
Total Circuit Resistance (Ω):	1.498042	Spare Current (A) Percent:	**91.60 %**

Circuit Wiring Properties: "V 14/2 FPLP/R (NAC) 14 AWG, 2 Cond. Solid Copper FPLP/R Analog Unshielded

Distance measured using drawn segment lengths with 10.00 % additional length calculated

Device Label	Part No.	Description	Device Current (A)	Remaining Current (A)	Dist. From Previous (Ft)	Resistance From Previous (Ω)	Voltage Drop From Previous	Voltage At Device	Total Voltage Drop	Voltage Drop Percent
BP1•4N•01	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.252**	25	**0.155873**	**0.04**	**19.66**	**0.04**	**0.20 %**
BP1•4N•02	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.224**	17	**0.105063**	**0.02**	**19.64**	**0.06**	**0.32 %**
BP1•4N•03	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.196**	37	**0.226092**	**0.04**	**19.59**	**0.11**	**0.54 %**
BP1•4N•04	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.168**	22	**0.137894**	**0.02**	**19.57**	**0.13**	**0.66 %**
BP1•4N•05	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.14**	28	**0.169042**	**0.02**	**19.55**	**0.15**	**0.78 %**
BP1•4N•06	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.112**	34	**0.206103**	**0.02**	**19.52**	**0.18**	**0.90 %**
BP1•4N•07	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.084**	38	**0.232397**	**0.02**	**19.5**	**0.2**	**1.00 %**
BP1•4N•08	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.056**	25	**0.152215**	**0.01**	**19.49**	**0.21**	**1.04 %**
BP1•4N•09 EOL 15k	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.028**	18	**0.113363**	**0**	**19.49**	**0.21**	**1.06 %**

Calculation Methods:

Resistance From Previous (Ω) = Wire Resistance (Ω/Ft) x 2 x Dist. From Previous (Ft)

Voltage Drop From Previous = Resistance From Previous (Ω) x Remaining Current (A)

P1 2 1N POINT-TO-POINT REPORT

CIRCUIT SETTINGS		TOTALS	
Starting Calculation Voltage:	20.4	Max. Voltage Drop:	**0.07**
Min. Operational Voltage:	16	End Of Line Voltage:	**20.33**
Max. Circuit Current (A):	2	Voltage Drop Percent:	**0.35 %**
Wire Resistance (Ω/KFt):	3.07	Total Circuit Current (A):	**0.196**
Total Circuit Length (Ft):	102	Spare Current (A):	**1.804**
Total Circuit Resistance (Ω):	0.628656	Spare Current (A) Percent:	**90.20 %**

Circuit Wiring Properties: "V 14/2 FPLP/R (NAC) 14 AWG, 2 Cond. Solid Copper FPLP/R Analog Unshielded

Distance measured using drawn segment lengths with 10.00 % additional length calculated

Device Label	Part No.	Description	Device Current (A)	Remaining Current (A)	Dist. From Previous (Ft)	Resistance From Previous (Ω)	Voltage Drop From Previous	Voltage At Device	Total Voltage Drop	Voltage Drop Percent
P1•2•1N•01	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.196**	16	**0.095876**	**0.02**	**20.38**	**0.02**	**0.09 %**
P1•2•1N•02	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.168**	19	**0.118258**	**0.02**	**20.36**	**0.04**	**0.19 %**
P1•2•1N•03	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.14**	11	**0.067227**	**0.01**	**20.35**	**0.05**	**0.24 %**
P1•2•1N•04	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 75cd	0.028	**0.112**	13	**0.078048**	**0.01**	**20.34**	**0.06**	**0.28 %**
P1•2•1N•05	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.084**	3	**0.01813**	**0**	**20.34**	**0.06**	**0.29 %**
P1•2•1N•06	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.056**	34	**0.20635**	**0.01**	**20.33**	**0.07**	**0.34 %**
P1•2•1N•07 EOL 47k	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0.028	**0.028**	7	**0.044767**	**0**	**20.33**	**0.07**	**0.35 %**

Calculation Methods:

Resistance From Previous (Ω) = Wire Resistance (Ω/Ft) x 2 x Dist. From Previous (Ft)

Voltage Drop From Previous = Resistance From Previous (Ω) x Remaining Current (A)

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

LODI UNIFIED SCHOOL DISTRICT

HMC Architects

3431007000

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KEYNOTES

NOTES

REGISTERED PROFESSIONAL ENGINEER JOHN D. GUMATO E 24187 EXPIRES 9/30/26 ELECTRICAL STATE OF CALIFORNIA

capital engineering

RANCHO CORDOVA, CALIFORNIA

JG - JSG 240047.00
PM - DESIGN TEAM PROJECT NO.

DATE SIGNED: 04-04-2025

FACILITY:

LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:

LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
Author

SHEET NAME:

FIRE ALARM SYSTEM CALCULATIONS

CONSTRUCTION DOCUMENTS

DATE: **03/12/2025** CLIENT PROJ NO: **3431007000**

SHEET:

FA0.3.0-2

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PANEL BP1 (BPS10A) BATTERY CALCULATION
(SECONDARY POWER SOURCE REQUIREMENTS)

PANEL COMPONENTS		QTY	PART NO.	DESCRIPTION	STANDBY CURRENT (AMPS) CURRENT DRAW (A)	STANDBY CURRENT (AMPS) TOTAL (A)	SECONDARY ALARM CURRENT (AMPS) CURRENT DRAW (A)	SECONDARY ALARM CURRENT (AMPS) TOTAL
		1	BPS10A Mainboard	Mainboard for BPS10A assembly	0.07	**0.07**	0.27	**0.27**
CIRCUIT	**SYMBOL**	**QTY**	**PART NO**	**DESCRIPTION**	**CURRENT DRAW (A)**	**TOTAL (A)**	**CURRENT DRAW (A)**	**TOTAL (A)**
BP1-4N	H	9	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0	**0**	0.028	**0.252**
EXISTING BP1-3N		6		EXISTING SPEAKER/ STROBE	0	0	0.08	0.506
EXISTING BP1-5N		4		EXISTING SPEAKER/ STROBE	0	0	0.203	0.812
EXISTING BP1-6N		3		EXISTING SPEAKER/ STROBE	0	0	0.133	0.399
					TOTAL STANDBY (A)	**0.07**	TOTAL ALARM (A)	2.239
					REQUIRED STANDBY TIME = 24 HOURS			
					REQUIRED ALARM TIME = 15 MINUTES			
SECONDARY STANDBY LOAD (A)			**0.07**		24		**1.68**	
SECONDARY ALARM LOAD (A)			2.239		0.25		0.55975	
STANDBY AND ALARM SUBTOTAL (AMP HOURS)					2.23975			
DERATING FACTOR					1.25			
SECONDARY LOAD REQUIREMENTS (AMP HOURS)					2.7996875			
PROVIDE (2) 12V 7AH BATTERIES								
*BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION.								

NOTE: DEVICE COUNTS AND CALCULATIONS SHALL INCLUDE BLDG H AND J FOR THIS INC SUBMITTAL. PLEASE REFERANCE FLOOR PLAN AND RISER DIAGRAM FOR BLDG A AND B.

PANEL P1 (EST4 ASSEMBLY) BATTERY CALCULATION
(SECONDARY POWER SOURCE REQUIREMENTS)

PANEL COMPONENTS		QTY	PART NO.	DESCRIPTION	STANDBY CURRENT (AMPS) CURRENT DRAW (A)	STANDBY CURRENT (AMPS) TOTAL (A)	SECONDARY ALARM CURRENT (AMPS) CURRENT DRAW (A)	SECONDARY ALARM CURRENT (AMPS) TOTAL
		1	3-ASU4	Audio Source Unit /w 4 Rail Spaces	0.08	**0.08**	0.08	**0.08**
		1	3-BPS/M	Booster Power Supply 120V	0.05	**0.05**	0.05	**0.05**
		1	3-MODCOM	Modem Communicator and Dialer	0.06	**0.06**	0.095	**0.095**
		1	3-SDDC1	Dual Signature Driver Controller. Comes with two 3-SDC1s. Mounts to Local Rail	0.264	**0.264**	0.336	**0.336**
		1	3-SSDC1	Signature Single Driver Controller (LRM)	0.144	**0.144**	0.204	**0.204**
		4	3-ZA40B	40 Watt Zoned Amplifier, Class B, 25 or 70Vrms	0.062	**0.248**	2.48	**9.92**
		1	4-24L24S	24 Indicator 24 Control Display Module	0.00852	**0.00852**	0.00852	**0.00852**
		1	4-CPU	Main CPU	0.211	**0.211**	0.211	**0.211**
		1	4-LCD/LE	DISPLAY,MAIN LCD MODULE	0.04	**0.04**	0.093	**0.093**
		1	4-MIC	Paging Microphone	0.008	**0.008**	0.038	**0.038**
		1	4-PPS/M	Primary Power Supply 120V	0	**0**	0	**0**
		5	SIGA-MCC1	Signal Module /w 1 Riser in, 1 Output Ckt, CI 'B' - U/O Mount	0.000223	**0.001115**	0.0001	**0.0005**
		1	SIGA-UIO6R	6 Position, Riser Selection U/O Module Motherboard	0	**0**	0	**0**
CIRCUIT	**SYMBOL**	**QTY**	**PART NO**	**DESCRIPTION**	**CURRENT DRAW (A)**	**TOTAL (A)**	**CURRENT DRAW (A)**	**TOTAL (A)**
P1-2-1N	H	6	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0	**0**	0.028	**0.168**
	H	1	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 75cd	0	**0**	0.028	**0.028**
P1-2-A1	H	12	G4HFRF-S7VMC	70V Speaker/Strobe, Red, FIRE 15, 30, 75, 110 cd, Clear 1w	0	**0**	0	**0**
	S WP	5	WG4RF-S	25/70V Speaker, red, FIRE 2w	0	**0**	0	**0**
P1-3-A1	H	4	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 0.25w	0	**0**	0	**0**
	H	1	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 0.5w	0	**0**	0	**0**
	H	3	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 1w	0	**0**	0	**0**
	H	4	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 2w	0	**0**	0	**0**
	S WP	1	WG4RF-S	25/70V Speaker, red, FIRE 2w	0	**0**	0	**0**
P1-4-A1	H	15	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 0.25w	0	**0**	0	**0**
	H	1	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 0.5w	0	**0**	0	**0**
P1-L1	V1 135°	2	SIGA-HRD w/SIGA-SB BASE	Intelligent fixed temperature/Rate-of-rise heat detector, Standard Detector Base	0.000032	**0.000064**	0.000032	**0.000064**
	S	13	SIGA-OSD w/SIGA-SB BASE	Intelligent Optical Smoke Detector	0.000032	**0.000416**	0.000045	**0.000585**
		78		Existing Detector	0.000032	0.0025	0.000032	0.0025
		8		Existing Module	0.00025	0.0020	0.0004	0.0032
P1-L2	NAC	1	BPS10A	Remote Booster Power Supply, 10A, 120Vac, red	0	**0**	0	**0**
	F	4	SIGA-278	Double Action Fire Alarm Station	0.00025	**0.001**	0.0004	**0.0016**
	V	3	SIGA-CT1	Single Input Module	0.00025	**0.00075**	0.0004	**0.0012**
	V	1	SIGA-CT1HT	Single Input Module High Temperature Operation	0.00025	**0.00025**	0.0004	**0.0004**
	V1 135°	7	SIGA-HRD w/SIGA-SB BASE	Intelligent fixed temperature/Rate-of-rise heat detector, Standard Detector Base	0.000032	**0.000224**	0.000032	**0.000224**
	S	41	SIGA-OSD w/SIGA-SB BASE	Intelligent Optical Smoke Detector	0.000032	**0.001312**	0.000045	**0.001845**
		76		Existing Detector	0.000032	0.0024	0.000032	0.0024
		21		Existing Module	0.00025	0.0053	0.0004	0.0084
P1-L3	NAC	2	BPS10A	Remote Booster Power Supply, 10A, 120Vac, red	0	**0**	0	**0**
	V	3	SIGA-CT1	Single Input Module	0.00025	**0.00075**	0.0004	**0.0012**
	V	2	SIGA-CT1HT	Single Input Module High Temperature Operation	0.00025	**0.0005**	0.0004	**0.0008**
	V1 135°	3	SIGA-HRD w/SIGA-SB BASE	Intelligent fixed temperature/Rate-of-rise heat detector, Standard Detector Base	0.000032	**0.000096**	0.000032	**0.000096**
	S	46	SIGA-OSD w/SIGA-SB BASE	Intelligent Optical Smoke Detector	0.000032	**0.001472**	0.000045	**0.00207**
		41		Existing Detector	0.000032	0.0013	0.000032	0.0013
		11		Existing Module	0.00025	0.0028	0.0004	0.0044
					TOTAL STANDBY (A)	**1.1378**	TOTAL ALARM (A)	**11.2643**
					REQUIRED STANDBY TIME = 24 HOURS			
					REQUIRED ALARM TIME = 15 MINUTES			
SECONDARY STANDBY LOAD (A)			**1.1378**		24		**27.3065**	
SECONDARY ALARM LOAD (A)			**11.2643**		0.25		**2.8161**	
STANDBY AND ALARM SUBTOTAL (AMP HOURS)					**30.1225**			
DERATING FACTOR					1.25			
SECONDARY LOAD REQUIREMENTS (AMP HOURS)					**37.6532**			
PROVIDE (2) 12V 55AH BATTERIES								
*BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION.								

PANEL BP2 (BPS10A) BATTERY CALCULATION
(SECONDARY POWER SOURCE REQUIREMENTS)

PANEL COMPONENTS		QTY	PART NO.	DESCRIPTION	STANDBY CURRENT (AMPS) CURRENT DRAW (A)	STANDBY CURRENT (AMPS) TOTAL (A)	SECONDARY ALARM CURRENT (AMPS) CURRENT DRAW (A)	SECONDARY ALARM CURRENT (AMPS) TOTAL
		1	BPS10A Mainboard	Mainboard for BPS10A assembly	0.07	**0.07**	0.27	**0.27**
CIRCUIT	**SYMBOL**	**QTY**	**PART NO**	**DESCRIPTION**	**CURRENT DRAW (A)**	**TOTAL (A)**	**CURRENT DRAW (A)**	**TOTAL (A)**
BP2-N1	H	4	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 110cd	0	**0**	0.028	**0.112**
	H	2	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0	**0**	0.028	**0.056**
	H	2	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 30cd	0	**0**	0.028	**0.056**
	H	1	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 75cd	0	**0**	0.028	**0.028**
	H	3	G4SVRF	Speaker/Strobe, Wall, Red, FIRE 15cd	0	**0**	0.036	**0.108**
					TOTAL STANDBY (A)	**0.07**	TOTAL ALARM (A)	**0.63**
					REQUIRED STANDBY TIME = 24 HOURS			
					REQUIRED ALARM TIME = 15 MINUTES			
SECONDARY STANDBY LOAD (A)			**0.07**		24		**1.68**	
SECONDARY ALARM LOAD (A)			**0.63**		0.25		**0.16**	
STANDBY AND ALARM SUBTOTAL (AMP HOURS)					**1.84**			
DERATING FACTOR					1.25			
SECONDARY LOAD REQUIREMENTS (AMP HOURS)					**2.3**			
PROVIDE (2) 12V 7AH BATTERIES								
*BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION.								

PANEL BP3 (BPS10A) BATTERY CALCULATION
(SECONDARY POWER SOURCE REQUIREMENTS)

PANEL COMPONENTS		QTY	PART NO.	DESCRIPTION	STANDBY CURRENT (AMPS) CURRENT DRAW (A)	STANDBY CURRENT (AMPS) TOTAL (A)	SECONDARY ALARM CURRENT (AMPS) CURRENT DRAW (A)	SECONDARY ALARM CURRENT (AMPS) TOTAL
		1	BPS10A Mainboard	Mainboard for BPS10A assembly	0.07	**0.07**	0.27	**0.27**
CIRCUIT	**SYMBOL**	**QTY**	**PART NO**	**DESCRIPTION**	**CURRENT DRAW (A)**	**TOTAL (A)**	**CURRENT DRAW (A)**	**TOTAL (A)**
BP3-N1	H	7	G4HFRF-S7VMC	70V Speaker/Strobe, Red, FIRE 15, 30, 75, 110 cd, Clear 75cd	0	**0**	0.159	**1.113**
BP3-N2	H	5	G4HFRF-S7VMC	70V Speaker/Strobe, Red, FIRE 15, 30, 75, 110 cd, Clear 75cd	0	**0**	0.159	**0.795**
					TOTAL STANDBY (A)	**0.07**	TOTAL ALARM (A)	**2.178**
					REQUIRED STANDBY TIME = 24 HOURS			
					REQUIRED ALARM TIME = 15 MINUTES			
SECONDARY STANDBY LOAD (A)			**0.07**		24		**1.68**	
SECONDARY ALARM LOAD (A)			**2.178**		0.25		**0.54**	
STANDBY AND ALARM SUBTOTAL (AMP HOURS)					**2.22**			
DERATING FACTOR					1.25			
SECONDARY LOAD REQUIREMENTS (AMP HOURS)					**2.78**			
PROVIDE (2) 12V 7AH BATTERIES								
*BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION.								

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RANCHO CORDOVA, CALIFORNIA

JG - JSG 240047.00
PM - DESIGN TEAM PROJECT NO.

DATE SIGNED: 04-04-2025

FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
Author
SHEET NAME:
FIRE ALARM SYSTEM CALCULATIONS

CONSTRUCTION DOCUMENTS

DATE: **03/12/2025** | CLIENT PROJ NO: **3431007000**

SHEET:
FA0.3.1-2

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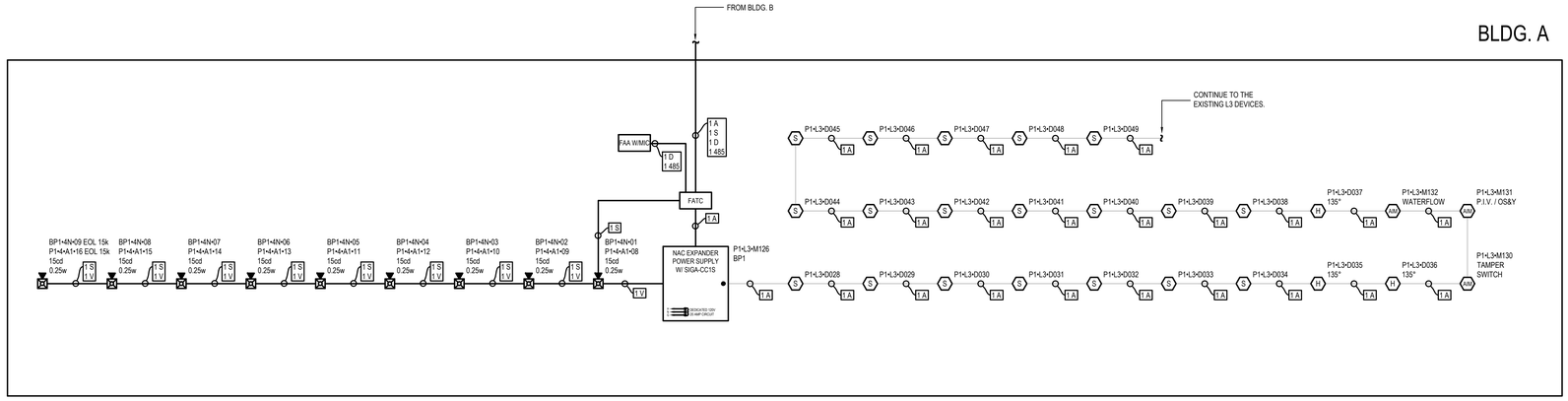

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Author
SHEET NAME:
FIRE ALARM RISER DIAGRAM

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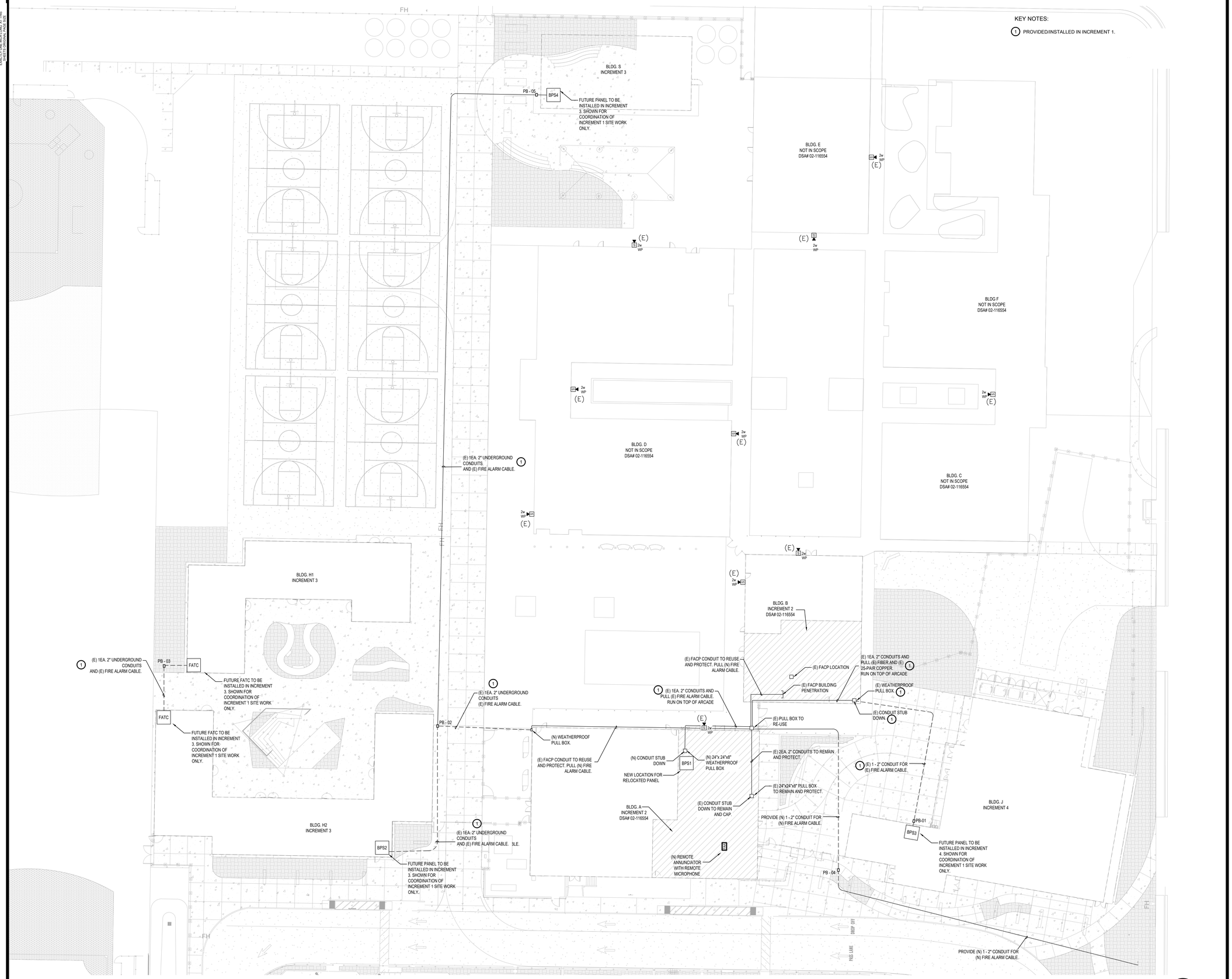

FIRE ALARM SITE PLAN

SCALE : 1"=20'-0"

1
FA1.10-2

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Author
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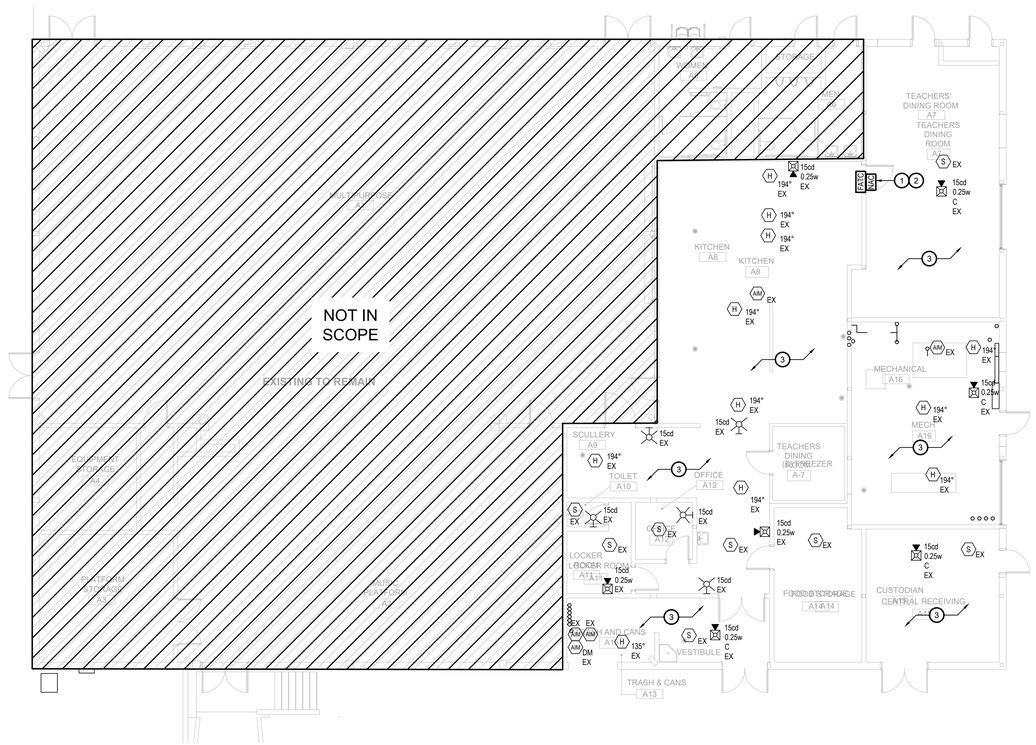
KEY NOTES:

1. RE-CONNECT ALL THE EXISTING FIRE ALARM NOTIFICATION APPLIANCE TO THE EXISTING FIRE ALARM POWER SUPPLY NEW LOCATION.
2. EXISTING FIRE ALARM POWER SUPPLY AND FIRE ALARM TERMINAL CABINET TO BE RELOCATED. REFER TO SHEET FAA2.11-2 FOR THE NEW LOCATION.
3. DEMO EXISTING FIRE ALARM DEVICES AND NOTIFICATION APPLIANCE.



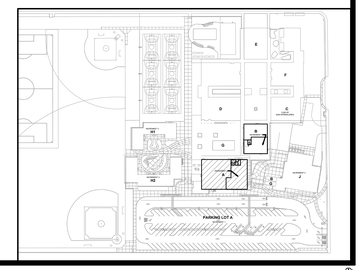
FIRE ALARM - DEMO FLOOR PLAN - BLDG A

SCALE : 1/8" = 1'-0"

1 / FAA2.10-2

N

KEY PLANS



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FACILITY:
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PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
Author
SHEET NAME:
FIRE ALARM - DEMO FLOOR PLAN - BLDG A

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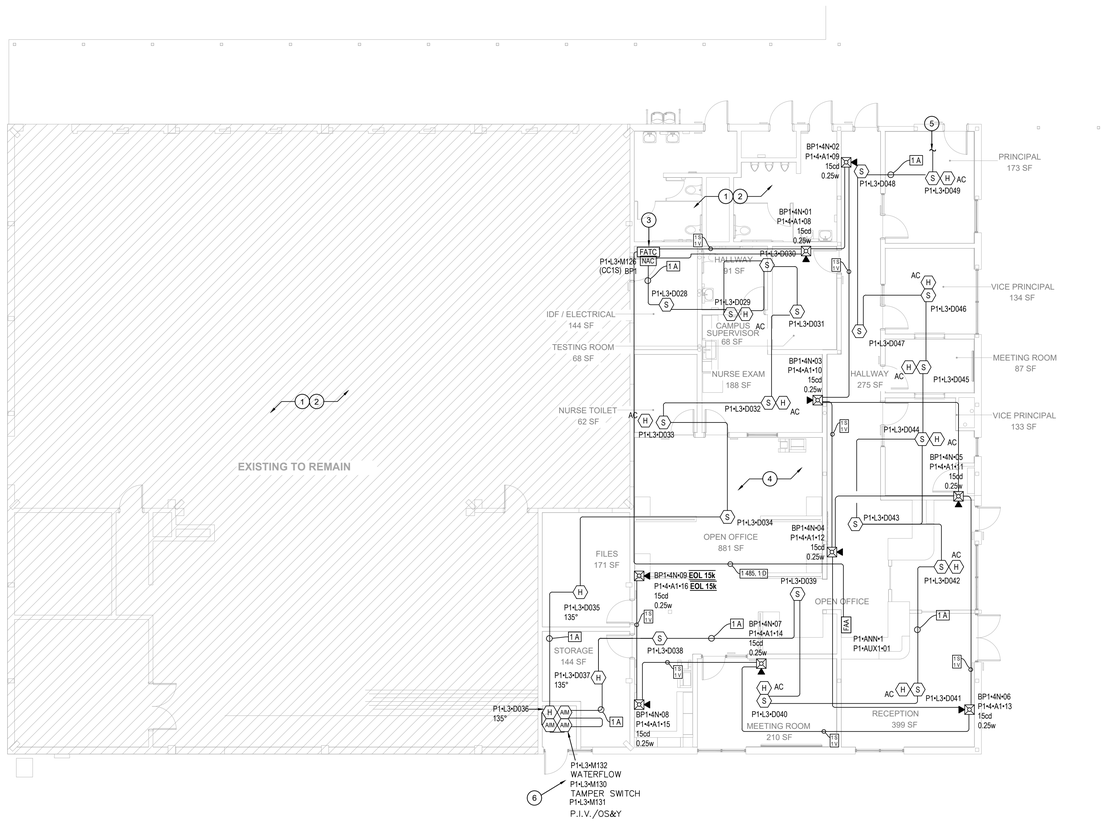
KEY NOTES:

1. RE-CONNECT ALL THE EXISTING FIRE ALARM NOTIFICATION APPLIANCE TO THE EXISTING FIRE ALARM POWER SUPPLY NEW LOCATION.
2. EXISTING FIRE ALARM DEVICES SHALL REMAIN IN LOOP 3.
3. EXISTING FIRE ALARM POWER SUPPLY NEW LOCATION. RE-CONNECT ALL NEW AND EXISTING NOTIFICATION APPLIANCE.
4. PROVIDE NEW FIRE ALARM DEVICE AND NOTIFICATION APPLIANCE.
5. CONTRACTOR TO VERIFY AND RE-CONNECT THE NEW FIRE ALARM DEVICES TO THE EXISTING SLC CIRCUIT. PROVIDE SURGE PROTECTION.
6. SPRINKER RISER IS FOR STAGE AREA ONLY - NOT IN SCOPE



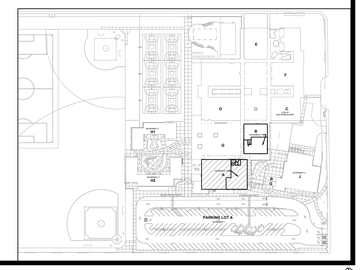
FIRE ALARM - FLOOR PLAN - BLDG A

SCALE : 1/8" = 1'-0"

1 FAA2.11-2

N

KEY PLANS



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FACILITY:
LODI MIDDLE SCHOOL
945 SOUTH HAM LANE LODI, CA 95242

PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
Author
SHEET NAME:
FIRE ALARM - FLOOR PLAN - BLDG A

CONSTRUCTION DOCUMENTS

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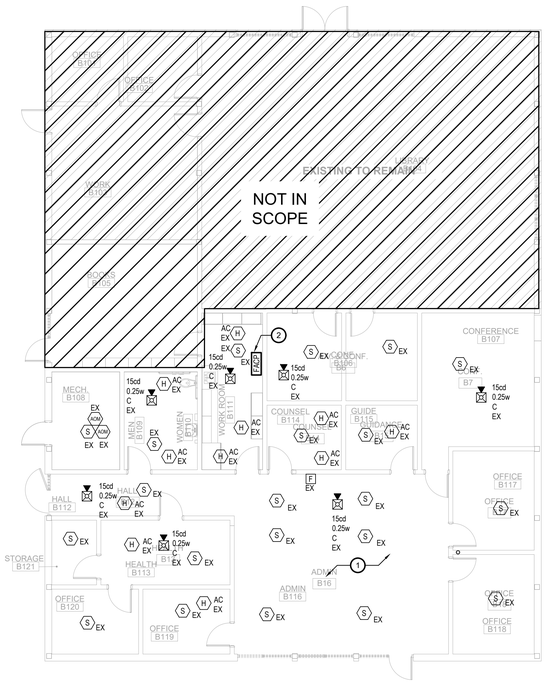
KEY NOTES:

1. DEMO EXISTING FIRE ALARM DEVICES AND NOTIFICATION APPLIANCE.
2. DEMO EXISTING EST3 PANEL TO BE UPGRADED TO EST4. RETAIN THE BACKBOX AND EXISTING SIGA-CT2 (1M143) INSIDE THE FIRE ALARM CONTROL PANEL TO CONNECT NEW ABOVE CEILING HEAT DETECTORS.



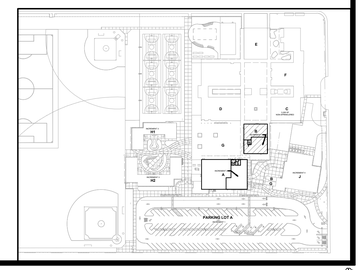
FIRE ALARM - DEMO FLOOR PLAN - BLDG B

SCALE : 1/8" = 1'-0"

1 FAB2.10-2

N

KEY PLANS



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PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
Author
SHEET NAME:
FIRE ALARM - DEMO FLOOR PLANS - BLDG B

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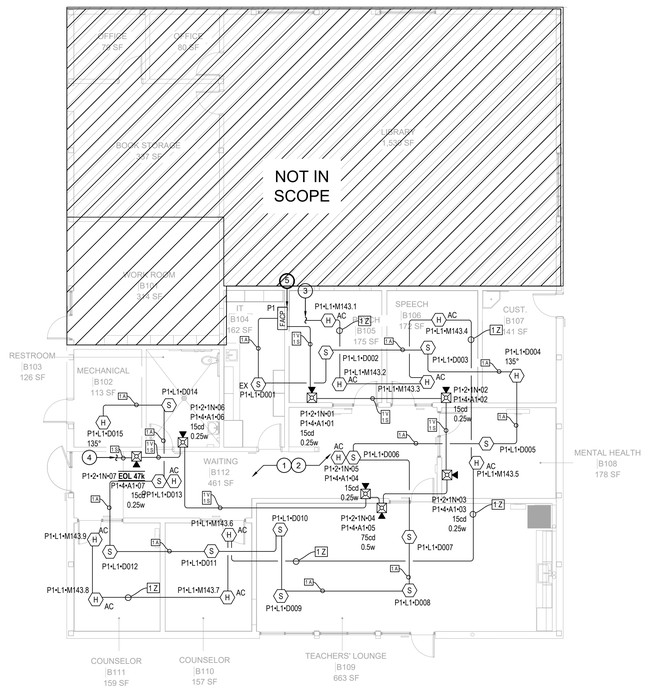
KEY NOTES:

1. RE-CONNECT ALL THE EXISTING FIRE ALARM NOTIFICATION APPLIANCES TO THE FIRE ALARM PANEL.
2. EXISTING FIRE ALARM DEVICES SHALL REMAIN IN LOOP 1.
3. RE-USE THE EXISTING SIGA-CT2 (1M143) INSIDE THE FIRE ALARM CONTROL PANEL TO CONNECT NEW ABOVE CEILING HEAT DETECTORS.
4. SPEAKER CIRCUIT CONTINUE TO BUILDING A. PROVIDE SURGE PROTECTION.
5. FIRE ALARM PANEL BACK BOX IS EXISTING WITH NEW INTERNAL COMPONENTS. SEE DETAIL 6 ON SHEET FA0.2-2 FOR MOUNTING DETAIL.



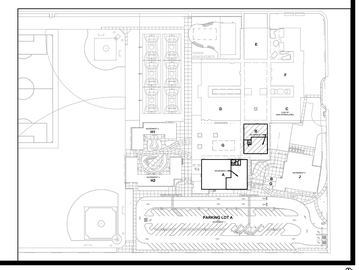
FIRE ALARM - FLOOR PLAN - BLDG B

SCALE : 1/8" = 1'-0"

1 FAB2.11-2

N

KEY PLANS



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PROJECT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION
Author
SHEET NAME:
FIRE ALARM - FLOOR PLAN - BLDG B

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DESIGN CRITERIA	
BASE LOCATION LOCATED AT BOTTOM OF BASEPLATE/TOP OF FOOTING	
DESCRIPTION	DESIGN VALUES
DEAD AND LIVE LOADS	
ROOF LIVE LOAD	20 PSF
ROOF DEAD LOAD (SUPERIMPOSED ON FRAME)	5 PSF MAX
ROOF PANEL DEAD LOAD	M=1.1 PSF, G = 1.2 PSF, S = 1.3 PSF
COLLATERAL DEAD LOAD	M = 3.9 PSF, G = 3.8 PSF, S = 3.7 PSF
ROOF LIVE LOAD	
ROOF LIVE LOAD, L_r	20 PSF
ROOF SNOW LOAD	
GROUND SNOW LOAD, P_g	20 PSF
RISK CATEGORY	II
ROOF SNOW LOAD: SLOPED, P_s	20 PSF
FOR SNOW LOAD CONDITIONS ONLY - SITE APPLICATION REVIEWER SHALL VERIFY THE STTRUCTURE SHALL BE LOCATED AT LEAST 20 FEET	
FROM ANY ADJACENT STRUCTURE FOR SNOW DRIFT.	
SNOW LOAD SLOPE FACTOR, C_s	1.0
SNOW LOAD EXPOSURE FACTOR, C_e	1.0
SNOW LOAD IMPORTANCE FACTOR, I_s	1.0
THERMAL FACTOR, C_t	1.2
LOWEST ANTICIPATED SERVICE TEMPERATURE	30°
WIND DESIGN	
BASIC WIND SPEED (3 SECOND GUST), V_{ult}, V_{asd}	100 MPH, 78 MPH
RISK CATEGORY	II
EXPOSURE CATEGORY	C
FACTORS: K_c, K_{zt}, K_d	0.85, 1.0, 0.85
$q_h = 0.00256\ K_c\ K_{zt}\ K_d\ V^2$	18.50 PSF
C_{NW} PER ASCE FIGURE 27.3-5 ROOF ANGLE 18.43 - CLEAR / OBSTRUCTED	CASE A (-1.1 / -1.2) CASE B (0.01 / -0.69)
C_{NL} PER ASCE FIGURE 27.3-5 ROOF ANGLE 18.43 - CLEAR / OBSTRUCTED	CASE A (-0.17 / -1.09) CASE B (-0.96 / -1.65)
C_N PER ASCE FIGURE 27.3-7 PARALLEL TO RIDGE - CLEAR / OBSTRUCTED (< h)	CASE A (-0.8 / -1.3) CASE B (0.8 / 0.5)
C_N PER ASCE FIGURE 27.3-7 PARALLEL TO RIDGE - CLEAR / OBSTRUCTED (> h, < 2h)	CASE A (-0.6 / -0.9) CASE B (0.5 / 0.5)
C_N PER ASCE FIGURE 27.3-7 PARALLEL TO RIDGE - CLEAR / OBSTRUCTED (>2h)	CASE A (-0.3 / -0.6) CASE B (0.3 / 0.3)
COMPONENTS & CLADDING - C_N (PRESSURE/SUCTION) CLEAR / OBSTRUCTED	ZONE 3 - (2.29 / -2.11) / (1.0 / -2.0)
	ZONE 2 - (1.77 / -1.63) / (0.8 / -2.3)
	ZONE 1 - (1.15 / -1.05) / (0.5 / -1.5)
SEISMIC DESIGN	
LATERAL FORCE RESISTING SYSTEM	STEEL - ORDINARY CANTILEVER COLUMN
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
SESIMIC IMORTANCE FACTOR, I_e	1.0
SEISMIC SITE CLASS	D
MCE_R SPECTRAL RESPONSE ACCELERATION @ 0.2 s, S_S	2.60
MCE_R SPECTRAL RESPONSE ACCELERATION @ 0.2 s, S_1	0.90
SHORT PERIOD SITE COEFFICIENT, F_a	1.20
LONG PERIOD COEFFICIENT, F_v	1.70
FUNDAMENTAL PERIOD OF THE STRUCTURE, T (WORST CASE FOR ALL STRUCTURES)	0.152 s
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, S_{DS}	2.08 ☒
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, S_{DS} - USED TO DETERMINE Cs (WITH CAP PER ASCE 7 12.8.1.3) SOIL PROPERTIES MAY NOT BE CLASSIFIED AS SITE CLASS E.	2.08 * 0.70 = 1.456 ☐
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1-s PERIODS, S_{D1}	1.02
SEISMIC DESIGN CATEGORY	E
SITE SPECIFIC RESPONSE ANALYSIS NOT REQUIRED PER ASCE 7 11.4.8 EXCEPTION 2	T_s = 0.49 s ; T < 1.5 * T_s
RESPONSE MODIFICATION FACTOR, R	1.25
OVERSTRENGTH FACTOR, Ω	1.25
REDUNDANCY FACTOR, ρ	1.3
HORIZONTAL OR VERTICAL IRREGULARITIES	NONE
SEISMIC RESPONSE COEFFICIENT, C_s (20' WIDE, 30' WIDE, 40' WIDE)	1.16 ; 1.00 ; 1.00
DESIGN BASE SHEAR, V (20' WIDE, 30' WIDE, 40' WIDE)	12.73 PSF [ ] ; 13.41 PSF [X] ; 14.65 PSF [ ]
ALLOWABLE SOIL BEARING FOR FOUNDATIONS	VARIES - SEE FOUNDATION CHARTS
FLOOD DESIGN - DESIGN IS ASSUMED TO NOT BE IN FLOOD HAZARD AREA	
IF PROJECT IS LOCATED IN A FLOOD ZONE OTHERTHAN ZONE X, A LETTER STAMPED & SIGNED FROM A SOILS ENGINEER IS REQUIRED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED.	

STRUCTURAL SEPARATION

ALL DEFLECTIONS SHOWN ALSO INCLUDE THE P-DELTA ROTATION PER IR PC-7

DEFLECTIONS ARE FOR (N) STRUCTURE

SOIL CLASSES PER ASCE TABLE 1806A.2

MAXIMUM DRIFT δ_{max} SIDE COLUMNS	Soil Class 5	Soil Class 4	Soil Class 3
20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)	[ ] 2.40	[ ] 2.55	[ ] 2.65
30' WIDE (8' EAVE HEIGHT, 12' EAVE HT) (INCHES)	[ ] 2.15	[ ] 2.30	[X] 2.40
40' WIDE (8' EAVE + T, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)	[ ] 2.20	[ ] 2.20	[ ] 2.30
MINIMUM SEPARATION ($\delta_m = C_d\ \delta_{max}$) C_d = 1.25			
20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)	[ ] 3.00	[ ] 3.19	[ ] 3.31
30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)	[ ] 2.69	[ ] 2.88	[X] 3.00
40' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)	[ ] 2.75	[ ] 2.75	[ ] 2.88

MAXIMUM DRIFT δ_{max} END COLUMNS	Soil Class 5	Soil Class 4	Soil Class 3
20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)	[ ] 2.40	[ ] 2.55	[ ] 2.65
30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)	[ ] 2.15	[ ] 2.30	[X] 2.40
40' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)	[ ] 2.20	[ ] 2.20	[ ] 2.30
MINIMUM SEPARATION ($\delta_m = C_d\ \delta_{max}$) C_d = 1.25			
20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)	[ ] 3.00	[ ] 3.19	[ ] 3.31
30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)	[ ] 2.69	[ ] 2.88	[X] 3.00
40' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)	[ ] 2.75	[ ] 2.75	[ ] 2.88

INSTRUCTIONS FOR ARCHITECTS SUBMITTING THESE PRE-CHECKED DRAWINGS TO DSA:

BEFORE SUBMITTING THESE PRE-CHECKED DRAWINGS FOR YOUR PROJECT, FOLLOW THE STEPS BELOW TO PROPERLY DEFINE THE APPROVED OPTIONS:

STEP 1: SELECT FRAME DIMENSIONS FOR YOUR PROJECT
- HIP STRUCTURES UP TO 20' WIDE USE THE "RH 20" BASE FRAME
- HIP STRUCTURES UP TO 30' WIDE USE THE "RH 30" BASE FRAME
- HIP STRUCTURES UP TO 40' WIDE USE THE "RH 40" BASE FRAME
- MAXIMUM WIDTH IS 40' (SEE "ARCHITECTURAL VIEWS" SHEET FOR REFERENCE)
- THE 24', 44', 64', 84' AND 104' LENGTHS ARE SUGGESTED BECAUSE THEY ARE THE MOST COMMON (20' BAYS ARE THE MOST ECONOMICAL)
- FRAME LENGTHS ASSUME 2' OVERHANGS (UNO BY ARCHITECT = 2' MAX DIMENSION)

STEP 1	FRAME DIMENSIONS					
		SUGGESTED			OTHER	
	FRAME WIDTH	[ ] 20'	[X] 30'	[ ] 40'		[ ] (40' MAX)
	FRAME LENGTH	[ ] 44'	[X] 64'	[ ] 84'	[ ] 104'	[ ] (NO MAX)

STEP 2: SELECT ROOF DECK FOR YOUR PROJECT
- "M" REPRESENTS McELROY METAL "MULTI-RIB" ROOF PANEL
- "G" REPRESENTS McELROY METAL "MEGA-RIB" ROOF PANEL
- "S" REPRESENTS McELROY METAL "MEDALLION-LOK" 16" STANDING SEAM ROOF PANEL

STEP 2	ROOF PANEL				
	ROOF PANEL TYPE	[ ] M	[ ] G	[X] S	

STEP 3: IDENTIFY THE Ss ACCELERATION (g) FOR YOUR PROJECT
- Ss VALUE DETERMINES THE REQUIRED SEISMIC DESIGN FORCES
- Ss VAULE DEPENDS ON THE PROJECTS GEOGRAPHICAL LOCATION (VALUES RANGE FROM 0.00 TO 3.73)
  - FIND Ss VALUES FOR YOUR PROJECT ON THE USGS WEBSITE (SEARCH INTERNET FOR "USGS SEISMIC DESIGN MAPS")

STEP 3	PROJECT SITE – Ss ACCELERATION (g)
	0.628

STEP 4: IDENTIFY THE Ss REGION FOR YOUR PROJECT
- THE REGIONS ARE DEPENDANT ON THE Ss VALUE DETERMINED IN STEP 3
- THE Ss REGION DICTATES THE MAXIMUM DEAD LOAD PERMITTED ON THE FRAME

STEP 4	Ss REGION			
			Ss REGIONS	MAX DEAD LOAD
	DESCRIPTION	0.628	0 < Ss <= 2.14	5 PSF
			2.14 < Ss <= 2.50	5 PSF
			2.50 < Ss <= 2.60	5 PSF

STEP 5: IDENTIFY THE ROOF DEAD LOAD FOR YOUR PROJECT
- THE ROOF DECK DEAD LOAD WILL ALWAYS BE INCLUDED
- THE COLLATERAL LOAD REPRESENTS ADDITIONAL LOAD THAT CAN BE SUPPORTED BY THE FRAME
- BE SURE THE TOTAL ROOF DEAD LOAD FOR YOUR PROJECT IS LESS THAN OR EQUAL TO THE MAX DEAD LOAD SHOWN IN STEP 4 FOR YOUR Ss VALUE
- Sds VALUE USED IN CALCULATION IS THE CAPPED Sds (SEE DESIGN CRITERIA)

STEP 5	TOTAL ROOF DEAD LOAD		
		DEAD LOAD	EXAMPLES
	ROOF DECK	1.3 PSF	M=1.1 PSF; G=1.2PSF ;S=1.3PSF (SEE STEP 2)
	COLLATERAL	_____ PSF	LIGHTNING,FIRE SUPPRESSION,SOLAR PANELS,ETC
	TOTAL	1.3 PSF	ADD ROOF DECK AND COLLATERAL LOADS (MAX 5 PSF)

STEP 6: IDENTIFY THE FOUNDATION REQUIREMENTS FOR YOUR PROJECT
- IDENTIFY SOIL CLASS FOR PROJECT SITE PER SITE SPECIFIC SOIL CONDITIONS
- USE THIS TO SELECT CORRECT FOUNDATION SIZE ON FOUNDATION SHEET

STEP 6	FOUNDATION REQUIREMENTS		
	[ ] GEOTECHNICAL REPORT NOT REQUIRED	[X] GEOTECHNICAL REPORT REQUIRED	
	SOIL CLASS 5 (BEARING) 1500 PSF [ ]	SOIL CLASS 4 (BEARING) 2000 PSF [ ]	SOIL CLASS 3 (BEARING) 3000 PSF [X]
	SOIL CLASS 5 (LATERAL BEARING) 200 PSF/FT	SOIL CLASS 5 (LATERAL BEARING) 300 PSF/FT	SOIL CLASS 5 (LATERAL BEARING) 400 PSF/FT
	COHESION 130 PSF	FRICTION COEFFICIENT 0.25	FRICTION COEFFICIENT 0.30

– SELECT AND VERIFY MINIMUM SEPARATION DISTANCE BETWEEN STRUCTURES

STEP 7: SELECT MISCELLANEOUS OPTIONS FOR YOUR PROJECT
- MAXIMUM CLEAR HEIGHT IS 12'-0"; (SEE "ARCHITECTURAL VIEWS" SHEET FOR REFERENCE)
- MARK UP PC DRAWINGS WITH SIZE AND LOCATION OF CUTOUTS BEFORE SUBMITTING TO DSA

STEP 7	MISCELLANEOUS		
		DESIGN OPTIONS	
	CLEAR HEIGHT	[ ] 8' [X] 10' [ ] 12' MAX	
	ELECTRICAL CUTOUTS	[X] YES	[ ] NO
	GUTTERS	[X] YES	[ ] NO

STEP 8: SELECT APPLICABLE SHEET INDEX FOR YOUR PROJECT
- REFERENCE THE BASE FRAME (STEP 1) AND THE ROOF PANEL TYPE (STEP 2)
- IDENTIFY THE APPLICABLE SHEET INDEX

STEP 8	SHEET INDEX											
	BASE FRAME	RH 20			RH 30			RH 40		
	ROOF PANEL TYPE	M	G	S	M	G	S	M	G	S
	SELECT ONE	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[ ]	[ ]	[ ]
	GENERAL NOTES	LS1.0 LS1.1	LS1.0 LS1.1	LS1.0 LS1.1	LS1.0 LS1.1	LS1.0 LS1.1	LS1.0 LS1.1	LS1.0	LS1.0	LS1.0
	FOUNDATION PLAN	LS2.0	LS2.0	LS2.0	LS3.0	LS3.0	LS3.0	LS4.0	LS4.0	LS4.0
	FRAMING PLAN	LS2.1	LS2.1	LS2.1	LS3.1	LS3.1	LS3.1	LS4.1	LS4.1	LS4.1
	FRAME CONNECTION DETAILS	LS2.1	LS2.1	LS2.1	LS3.1	LS3.1	LS3.1	LS4.2	LS4.2	LS4.2
	ROOFING LAYOUT & DETAILS	LS2.2	LS2.2	LS2.4	LS3.2	LS3.3	LS3.4	LS4.3	LS4.3	LS4.5
	DSA 103 EXAMPLE	LS1.2 LS1.3	LS1.2 LS1.3	LS1.2 LS1.3	LS1.2 LS1.3	LS1.2 LS1.3	LS1.2 LS1.3	LS1.2 LS1.3	LS1.2 LS1.3	LS1.2 LS1.3
	MISC DESIGN OPTIONS	LS5.0	LS5.0	LS5.0	LS5.0	LS5.0	LS5.0	LS5.0	LS5.0	LS5.0
	–									
	–									

STEP 9: INCLUDE APPLICABLE SHEETS WITH YOUR DSA SUBMITTAL
- INCLUDE 'MISC DESIGN OPTIONS' SHEET FOR PROJECTS WITHOUT ELECTRICAL CUTOUTS OR GUTTERS

STEP 10: IDENTIFY PROJECT NAME AND LOCATION

PROJECT NAME:	SCHOOL DISTRICT:
LODI MIDDLE SCHOOL ADDITIONS AND MODERNIZATION INCREMENT 2	Lodi Unified School District

STEP 11: CROSS OUT EXAMPLE 103 FORMS & INCORPORATE REQUIRED SPECIAL INSPECTIONS 103 FORMS THAT ARE PROJECT SPECIFIC

SITE SPECIFIC PARAMETERS

INSTRUCTIONS: DESIGN PROFESSIONAL SHALL CHECK THE APPROPRIATE SELECTION BOXES BELOW AND ENTER THE DESIGN PARAMETERS APPLICABLE TO THE SPECIFIC PROJECT SITE

SELECT ONE

SNOW
p_g = NA psf
P_f = NA psf
C_e = NA psf

WIND 100 MPH (77 MPH (ASD))
V = ____ mph < XX mph
k_{zt} = 0.85 ≤ 1
EXPOSURE: C☒ D☐

SIESMIC
☐ DESIGN BASED ON SITE CLASS D
NO GEOTECHNICAL INVESTIGATION REQUIRED
Ss = _____ Fa = 1.2

☒ DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16
GEOTECHNICAL INVESTIGATION PROVIDED
SITE CLASS: C ☐ D☒ E☐
Ss = 0.628 Fa = 1.297 PER ASCE 7-16 SUPPLE, TABLE 11.4-1

☐ DESIGN BASED ON SITE SPECIFIC GROUND MOTION HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16
SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, Sds, SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION
CGS APPROVAL REQUIRED
NOT ELEGIBLE FOR OTC REVIEW
SITE CLASS: C☐ D☐ E☐

Sds = Fa Ss = 0.543
☐ SITE CLASS C or D: 0.7 x Sds* = 0.7 x 0.543 = 0.3801 ≤ X.XX
☐ SITE CLASS E: Sds = _____ ≤ X.XX
Cs= X.XXX USED IN DESIGN
SIESMIC DESIGN CATEGORY D ☒ E ☐
*SITE SPECIFIC Sds VALUE BEFORE APPLYING REDUCTION ALLOWED BY ASCE 7 SECTION 12.8.1.3

ABBREVIATIONS:

ACI	AMERICAN CONCRETE INSTITUTE	MPH	MILES PER HOUR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	M	MULTI-RIB ROOF PANEL (MCELROY)
ASM	ASSEMBLY (INTERNAL REFERENCE)	NTS	NOT TO SCALE
ASTM	AMERICAN SOCIETY FOR TESTING AND MAT'LS	NO	NUMBER
AWS	AMERICAN WELDING SOCIETY	OC	ON CENTER
CBC	CALIFORNIA BUILDING CODE	OSHA	OCCUPATIONAL HEALTH AND SAFETY ADMIN
CJP	COMPLETE JOINT PENETRATION	PCF	POUNDS PER CUBIC FOOT
CLR	CLEAR	PJ	PRETENSIONED JOINT
DEG	DEGREE	PLCS	PLACES
DIA	DIAMETER	PLT	PLATE
DIM	DIMENSION	PSF	POUNDS PER SQUARE FOOT
DSA	DIVISION OF THE STATE ARCHITECT	PSI	POUNDS PER SQUARE INCH
EQ	EQUAL	QTY	QUANTITY
FT	FEET	REF	REFERENCE
GA	GAGE	SQ	SQUARE
IN	INCHES	SS	STANDING SEAM ROOF PANEL (MCELROY)
KSI	KIPS PER SQUARE INCH	TYP	TYPICAL
MAX	MAXIMUM	UNO	UNLESS NOTED OTHERWISE
MIN	MINIMUM	USGS	U.S. GEOLOGICAL SURVEY
MISC	MISCELLANEOUS	W/	WITH

ARCHITECTURAL REQUIREMENTS

DESCRIPTION	DESIGN VAULES
TYPE OF CONSTRUCTION	II-B
OCCUPANCY CLASSIFICATION	A-3
NUMBER OF STORIES	1
FIRE SPRINKLER SYSTEM	NOT BY ICON/WEIGHT NOT INCLUDED IN DESIGN
MOST COMMON RH20 MIN/MAX SQ.FT (SEE STEP 1)	480/2,080
MOST COMMON RH30 MIN/MAX SQ.FT (SEE STEP 1)	720/3,120
MOST COMMON RH40 MIN/MAX SQ.FT (SEE STEP 1)	960/4,160

AREA OVER 4000 SQ.FT REQUIRES GEOHAZARD REPORT
ALLOWABLE ARE FOR II-B / A-3 IS 9500 SQ.FT

RELATED BUILDING CODES AND STANDARDS

TITLE 24 CODES:

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC).....(PART 1, TITLE 24, CCR)
2022 CALIFORNIA BUILDING CODE (CBC),PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRICAL CODE.....(PART 3, TITLE 24, CCR)
2022 CALIFORNIA MECHANICAL CODE (CMC).....(PART 4, TITLE 24, CCR)
2022 CALIFORNIA PLUMBING CODE (CPC).....(PART 5, TITLE 24, CCR)
2022 CALIFORNIA ENERGY CODE.....(PART 6, TITLE 24, CCR)
2022 CALIFORNIA FIRE CODE (CFC) .....(PART 9, TITLE 24, CCR)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE.....(PART 11, TITLE 24, CCR)
2022 CALIFORNIA REFERENCE STANDARDS CODE.....(PART 12, TITLE 24, CCR)
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS:
2022 CBC, CHAPTER 35
2022 CFC, CHAPTER 80

SCOPE OF WORK NARRATIVE

THESE DRAWINGS ILLUSTRATE THE FABRICATION AND INSTALLATION REQUIREMENTS FOR A FREE-STANDING PREFABRICATED STEEL SHADE STRUCTURE. THE ENTIRE STRUCTURAL SYSTEM IS COMPRISED OF HOLLOW STRUCTURAL STEEL MEMBERS SUPPORTED BY CONCRETE FOUNDATIONS. THE FLEXIBILITY INCLUDED HEREIN ALLOWS THE STRUCTURE TO COMPLY WITH A WIDE VARIETY OF PROJECT SITES AND LOADING REQUIREMENTS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122310 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122375 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 10/10/2023

ICON STD	RH/DSA-PC
DRAWN BY	JD
DATE	7/25/2023
REV	
REV DATE	

JRMA
ARCHITECTS ENGINEERS
2700 SATURN ST I BREA, CA 92821
T. 714.524.1870 I F. 714.524.1875
WWW.JRMA.COM

REGISTERED PROFESSIONAL ENGINEER
JOSEPH D. CRAWFORD
No. 3000
STRUCTURAL
STATE OF CALIFORNIA
Oct 04, 2023

GENERAL INFO

ICON Shelter Systems Inc
DISTINCTIVE STEEL SHELTERS
WWW.ICONSHELTERS.COM
COPYRIGHT 2004, ICON SHELTER SYSTEMS, INC.
1455 LINCOLN AVE
HOLLAND MI, 49423
616.396.0919
800.748.0985
616.396.0944 FX

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

LS1.0

PRINTED ON :

GENERAL:

1. GENERAL NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL PARTS OF THE JOB EXCEPT WHERE THEY MAY CONFLICT WITH DETAILS AND NOTES ON OTHER SHEETS. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO REVIEW BY THE STRUCTURAL ENGINEER FOR THIS PROJECT.
2. WORK SHALL CONFORM TO THE REQUIREMENTS, AS AMENDED TO DATE, OF THE LATEST ADOPTED EDITION OF THE CBC, C.A.C. TITLE 24, AND ALL STATE AND FEDERAL REGULATIONS.
3. OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT PRIOR TO PROCEEDING WITH ANY WORK INVOLVED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS, ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
5. THESE CONSTRUCTION DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO, BRACING, TEMPORARY SUPPORT, AND SHORING. OBSERVATION VISIT TO THE SITE BY FIELD REPRESENTATIVES OF THE ARCHITECT/ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONSTRUCTION AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER, WHETHER OF MATERIAL OR WORK, ARE FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DOCUMENTS, BUT DO NOT GUARANTEE CONSTRUCTION.
6. ASTM DESIGNATIONS AND ALL STANDARDS REFER TO THE LATEST AMENDMENTS, EXCEPT AS AMENDED BY CBC CHAPTER 35.
7. CONFORM TO APPLICABLE CAL/OSHA CONSTRUCTION SAFETY REGULATIONS FOR ALL WORK PERFORMED DURING CONSTRUCTION. JOB SITE SAFETY IS STRICTLY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT THE ARCHITECT/ENGINEER OR OWNER.
8. THE ENGINEER AND THEIR CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, HANDLING, REMOVAL OR DISPOSAL OF HAZARDOUS MATERIALS AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
9. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS, OR IF A CHANGE IN THE SCOPE OF WORK IS PROPOSED, A CONSTRUCTION CHANGE DOCUMENT DETAILING AND SPECIFYING THE REQUIRED CHANGE(S) SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
10. THE SCHOOL DISTRICT INSPECTOR ON RECORD SHALL INSPECT AND APPROVE THE ERECTED FRAME PRIOR TO ROOF INSTALLATION.
11. SEE REQUIREMENTS FOR LOCATION IN ANY FIRE HAZARD SEVERITY ZONE FOR WILDLAND URBAN INTERFACE AREAS (WUI) AS SPECIFIED IN THE APPLICABLE VERSION OF THE CALIFORNIA BUILDING CODE. PROVIDE PROTECTION AND DETAILS OF ALL AREAS COMPLYING WITH THE WUI REQUIREMENTS.
12. LOCATING THIS STRUCTURE CLOSER THAN 20 FEET TO OTHER STRUCTURES MAY AFFECT THE ALLOWABLE AREA FOR THE EXISTING CONSTRUCTION PER THE APPLICABLE VERSION OF THE CALIFORNIA BUILDING CODE.
13. VIEWS AND DETAILS ARE NOT DRAWN TO SCALE (UNLESS NOTED OTHERWISE). DO NOT SCALE THESE DRAWINGS.

STRUCTURAL AND MISCELLANEOUS STEEL:

1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL REFERENCED BY THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE.
2. PIPE SECTIONS SHALL CONFORM TO ASTM A53, Fy = 35 KSI, GRADE B OR A501 UNLESS NOTED OTHERWISE.
3. STRUCTURAL TUBING (HSS SHAPES) SHALL CONFORM TO ASTM A-500, GRADE B (OR C), Fy = 46 KSI. MIN.
4. IF MATERIAL AVAILABILITY IS LIMITED, MEMBER THICKNESS CAN BE INCREASED BEYOND WHAT IS SHOWN IN THESE DRAWINGS (MAXIMUM INCREASE OF 1/8").
5. ALL CHANNELS, ANGLES, AND MISC. STEEL SHALL CONFORM TO ASTM A-36, Fy = 36 KSI.
6. ALL PLATE STEEL SHALL CONFORM TO ASTM A-572, Fy= 50 KSI.
7. ALL COLD FORM STEEL SHALL CONFORM TO ASTM A-653, CS = TYPE B, Fy = 50 KSI Fu = 65 KSI
8. STRUCTURAL STEEL AND DECK SHALL BE IDENTIFIED FOR CONFORMITY PER CBC 2202A.1.
9. ALL ROOF DECKS SHALL HAVE KYNAR 500 METAL COATING.
10. ALL ROOF DECKS SHALL CONFORM TO ASTM A-792, Fy = 50 KSI.
11. ALL BASE CONNECTIONS ARE A PART OF THE LATERAL FORCE RESISTING SYSTEM

NOTICE OF DISCLAIMER FOR STRUCTURAL ENGINEERING RESPONSIBILITY

1. PER TITLE 24, PART 1, SECTION 4-316(e) OF THE CALIFORNIA CODE OF REGULATIONS, THIS NOTICE SHALL BE GIVEN TO DSA PRIOR TO THE APPROVAL OF PLANS AND SPECIFICATIONS.
2. FOR THE SITE SPECIFIC PROJECT, J. R. MILLER & ASSOCIATES IS NOT THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
3. FOR THE SITE SPECIFIC PROJECT, J.R. MILLER & ASSOCIATES' RESPONSIBILITY IS LIMITED TO THE PREPARATION OF THE PLANS AND SPECIFICATIONS FOR THE SHELTERS OF THIS PC ONLY.
4. STRUCTURAL OBSERVATION OF CONSTRUCTION IS SPECIFICALLY EXCLUDED FROM J.R. MILLER & ASSOCIATES' RESPONSIBILITY FOR THE SITE SPECIFIC PROJECT.
5. ALL CONSTRUCTION ACTIVITIES RELATED TO STRUCTURAL ENGINEERING SHALL BE DELEGATED TO A QUALIFIED ENGINEER BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE. THESE ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO, STRUCTURAL OBSERVATION OF CONSTRUCTION, REVIEW OF INSPECTION REPORTS, AND SIGNING OFF OF THE VERIFIED REPORT FOR COMPLETED WORK.
6. J.R. MILLER & ASSOCIATES WILL BE RESPONSIBLE FOR RESPONDING TO QUESTIONS PERTAINING TO THE PLANS AND SPECIFICATIONS FOR THE SHELTERS OF THIS PC WHICH ARISE DURING PLAN REVIEW AND CONSTRUCTION.

CONSTRUCTION NOTES

1. A DSA-CERTIFIED CLASS 3 (MINIMUM) PROJECT INSPECTOR IS REQUIRED FOR THIS PROJECT.
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
3. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
5. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS ARE THAT ALL THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(c), PART 1, TITLE 24, CCR)
6. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES

WELDING:

1. ALL WELDING SHALL COMPLY WITH AWS D1.1 SPECIFICATIONS AND SHALL BE DONE BY AWS QUALIFIED WELDERS CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED AS REQUIRED BY DSA.
2. ALL WELDING SHALL BE DONE BY GAS METAL ARC PROCESS WITH E70XX ELECTRODES. FLUX CORE ARC WELD SHALL CONFORM TO CHARPY NOTCH TOUGHNESS RATING OF 20 ft-lb @ (0° F).
3. ALL WELDING SHALL BE DONE IN THE SHOP WITH REQUIRED INSPECTION, PRE-APPROVED BY DSA, TO ENSURE PROPER MATERIAL ID AND WELDING.
4. WELD FILLER METAL MANUFACTURER SHALL PROVIDE WRITTEN CERTIFICATION OF COMPLIANCE WITH CODE AND SPECIFICATIONS.

BOLTING:

1. ALL BOLTS SHOWN ON THESE DRAWINGS ARE HOT DIPPED GALVANIZED ASTM F3125 GRADE A325 HIGH STRENGTH BOLTS (UNO), WITH THE NUTS CONFORMING TO HOT DIPPED GALVANIZED ASTM A-563 GRADE DH.
2. HIGH STRENGTH BOLTS SHALL BE VERIFIED AND INSPECTED PER CBC 1705A2.1.
3. BEFORE ERECTING THE FRAME, VERIFY ALL BOLTS AND NUTS ARE CLEAN OF DEBRIS AND BURRS – INCLUDING THE HARDWARE ALREADY FASTENED INSIDE THE MEMBERS. CHASING SOME OF THE BOLTS AND NUTS MAY BE REQUIRED.
4. HARDENED STEEL WASHERS SHALL CONFORM TO ASTM F-436.
5. THE BOLTING INSTALLATION REQUIREMENTS OUTLINED BELOW ARE CRITICAL TO THE STRUCTURE'S DESIGN AND PERFORMANCE. THE INSTALLER IS REQUIRED TO COORDINATE THIS PHASE OF CONSTRUCTION WITH THE SPECIAL BOLTING INSPECTOR AND THE INSPECTOR OF RECORD PRIOR TO THE ERECTION OF THE FRAME
BE INSTALLED AND INSPECTED PER THE APPLICABLE VERSION OF AISC'S
USING HIGH-STRENGTH BOLTS", CBC 1705A.2.1; AISC 341-16 J7; AISC 360-16 N5.6.

A)PRETENSIONED JOINTS MUST BE INSTALLED AND INSPECTED TO MEET ONE OF THE FOLLOWING REQUIREMENTS:

1. TURN-OF-NUT PRETENSIONING: PER SECTION 8.2.1 OF THE *SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS* , WASHERS ARE NOT REQUIRED FOR THIS METHOD, THE NUT OR HEAD SHALL BE ROTATED AS SPECIFIED IN TABLE 8.2. THE PART NOT TURNED SHALL BE PREVENTED FROM ROTATING.
2. CALIBRATED WRENCH: PER THE *SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS*, WASHERS ARE REQUIRED (NOT SUPPLIED BY ICON) THESE SHALL BE INSTALLED PER THE INSTALLATION TORQUE DETERMINED IN THE PRE-INSTALLATION VERIFICATION OF THE FASTENER ASSEMBLY PER SECTION 7. THE PART NOT TURNED SHALL BE PREVENTED FROM ROTATING.
3. IDENTIFIED ON THE FRAME CONNECTION DETAILS WITH "PT REQUIRED"

B) ALL OTHER JOINTS MUST BE INSTALLED AND INSPECTED TO MEET THE REQUIREMENTS OF THE SNUG-TIGHTENED JOINTS. SNUG TIGHT CONDITION EXISTS WHEN ALL PLIES IN A CONNECTION HAVE BEEN PULLED INTO FIRM CONTACT BY THE BOLTS IN THE JOINT AND ALL OF THE BOLTS IN THE JOINT HAVE BEEN TIGHTENED SUFFICIENTLY TO PREVENT REMOVAL OF THE NUTS WITHOUT THE USE OF A WRENCH.

FOUNDATIONS:

1. ALLOWABLE SOIL PRESSURE ASSUME CLASS 5 SOIL CLASSIFICATION PER CBC TABLE 1806A, UNLESS NOTED OTHERWISE. PASSIVE PRESSURE IS ASSUMED TO START 12" BELOW TOP OF FOOTING.
2. PER CBC SECTION 1803A.2, GEOTECHNICAL REPORTS ARE NOT REQUIRED FOR ONE-STORY LIGHT-STEEL FRAME BUILDINGS OF TYPE II CONSTRUCTION AND 4,000 SQUARE FOOT OR LESS IN FLOOR AREA AND NOT LOCATED WITHIN EARTHQUAKE FAULT ZONESOR SIESMIC HAZARD ZONES AS SHOWN ON THE MOST RECENT MAPS PUBLISHED BY THE CGS. ALLOWABLE FOUNDATION AND LATERAL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2.
3. FILL AND BACKFILL SHALL BE COMPACTED TO 95% OF MAX. DENSITY IN ACCORDANCE WITH ASTM TEST METHOD D-1557 OR AS RECOMMENDED BY THE GEO-TECH ENGINEER. FLOODING NOT PERMITTED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING, ETC. NECESSARY TO SUPPORT CUT AND/OR FILL BANKS DURING EXCAVATION, AND FORMING AND PLACEMENT OF CONCRETE.
5. MINIMUM SETBACK FROM TOE OF SLOPE ON AN ASCENDING SLOPE SHALL BE 15 FEET AND MINIMUM SETBACK FROM TOE OF SLOPE ON A DESCENDING SLOPE SHALL BE 40 FEET
6. PER CBC SECTION 1803A.6, GEOHAZARD REPORTS ARE NOT REQUIRED FOR ONE-STORY LIGHT-STEEL FRAME BUILDINGS OF TYPE II CONSTRUCTION AND 4,000 SQUARE FOOT OR LESS IN FLOOR AREA AND NOT LOCATED WITHIN EARTHQUAKE FAULT ZONESOR SIESMIC HAZARD ZONES AS SHOWN ON THE MOST RECENT MAPS PUBLISHED BY THE CGS.
7. GEOHAZRD REPORTS ARE TO COMPLY WITH DSA IR A-4 PER IR-7 SECTION 1.8
8. SITE SPECIFIC GEOTECHNICAL REPORT IS REQUIRED AT THE TIME OF SITE APPLICATION IF USING OTHER THAN CLASS 5 SOIL, PER DSA IR PC-7
9. LATERAL BEARING HAS BEEN INCREASED PER CBC 1806A.3.4 FOR THE 1/2" DEFLECTION & HAS BEEN DESIGNED FOR P-DELTA EFFECTS. NO 1/3 INCREASE HAS BEEN APPLIED.
10. MINIMUM CLEARANCE BETWEEN PIERS SHALL BE 8'-0".

CONCRETE:

1. MIX DESIGN REQUIREMENTS: (NORMAL WEIGHT CONCRETE)

STRENGTH Pc (28 DAYS)	W/C RATIO (NON-AIR ENTRAINED)	W/C RATIO (AIR ENTRAINED)	SLUMP (±1")	UNIT WEIGHT (NORMAL WEIGHT)
5000 PSI	0.44	0.35	3"	150 PCF

2. CONCRETE MIX DESIGN PARAMETERS ARE GOOD FOR EXPOSURE CATEGORIES F0, F1 & F2. THE AIR ENTRAINMENT FOR THESE CATEGORIES SHALL BE AS FOLLOWS: F0-NOT-4.5, F1-4.5, F2-6
3. CHANGES TO THE MIX DESIGN MUST BE APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD AND DSA.
4. AGGREGATES SHALL CONFORM TO THE ASTM C-33 WITH KNOWN SHRINKAGE CHARACTERISTICS OF LESS THAN 0.005. MAX AGGREGATE SIZE = 1".
5. CEMENT SHALL CONFORM TO ASTM C-150 (TYPE II) UNLESS NOTED OTHERWISE ON THE DRAWINGS.
6. CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR A MINIMUM OF FIVE DAYS AFTER PLACEMENT. ALTERNATE METHODS WILL BE APPROVED IF SATISFACTORY PERFORMANCE CAN BE ASSURED.
7. CONCRETE SHALL NOT FREE FALL MORE THAN FIVE FEET.
8. CONCRETE DURABILITY SHALL BE PER CBC 1904A.1 ACI 318-19, CHAPTER 19.
9. CONCRETE SHALL BE TESTED PER CBC 1903A, TABLE 1705A.3. AND ACI 318-19, SECTION 26.12.
10. NO ADMIXTURE SHALL CONTAIN CALCIUM CHLORIDE.

REINFORCING STEEL:

1. REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A-615, AS FOLLOWS:
   GR 60: (#4 BARS AND LARGER)
   GR 40: (#3 BARS)
2. DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS SHALL CONFORM TO THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES."
3. MIN. COVER FOR CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS:
   A. CAST AGAINST EARTH .....3"
   B. CAST AGAINST FORM BELOW GRADE .....2"
   C. FORMED SLABS (#11 BAR & SMALLER).....3/4"
   D. SLABS ON GRADE (FROM TOP OF SLAB).....1"
4. BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR BOND. BENDS SHALL BE MADE COLD.
5. REINFORCING SHALL BE LAP SPLICED PER ACI 318-19, SECTION 25.5.
6. PRIOR TO PLACING OF CONCRETE, REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE WELL SECURED IN POSITION.
7. WELDING OF REINFORCING IS NOT ALLOWED.
8. REINFORCING STEEL SHALL BE INSPECTED PER CBC 1705A.3.

POWDER-COAT FINISH SYSTEM:

ALL BUILDINGS THAT HAVE A POWDER-COATED FINISH SHALL MEET THE FOLLOWING SPECIFICATIONS:

1. THE STEEL FRAME (HSS SECTIONS, COLD FORMED & PLATE STEEL) SHALL BE SHOT-BLASTED TO A NEAR WHITE CONDITION PER SSPC-10 SPECIFICATIONS.
2. THE STEEL SHALL BE WASHED IN A ZINC PHOSPHATE IN AN MINIMUM THREE STAGE ELECTRO DEPOSITION PRE-TREATEMENT PROCESS.
3. IMMEDIATELY FOLLOWING PRE-TREATMENT THE STEEL SHALL BE TOTALLY COATED IN AN EPOXY PRIMER TO A UNIFORM THICKNESS OF A MINIMUM OF 0.7 TO 0.9 MILS. THE E-COATING SHALL PROVIDE A MINIMUM OF 1000 HOURS OF SALT SPRAY CORROSION PROTECTION TO THE STEEL.
4. THE STEEL SHALL THEN HAVE A TGIC POLYESTER COLOR COAT APPLIED OVER THE E-COATED SURFACE.
5. THE FINISH THICKNESS OF THESE APPLICATIONS SHALL BE A MINIMUM OF 8 TO 12 MILS.
6. ALL CARBON STEEL MEMBERS (COLUMNS, BEAMS, PLATES, & COLD FORMED STEEL ETC.) NOT POWDER-COATED SHALL BE PAINTED WITH PRIME COAT PER THE "AISC CODE OF STANDARD PRACTICE" AND THE "AISC SPECIFICATION SECTION M3"(UNLESS NOTED OTHERWISE).

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STATE OF CALIFORNIA
Oct 04, 2023

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122375 PC
REVIEWED FOR
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DATE: 10/10/2023

GENERAL INFO

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PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

PRINTED ON :

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number: 04-122188 | School Name: PC Update | School District: PC Update
DSA File Number: | Increment Number: | Date Created: 2023-04-19 08:36:32

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required Periodic – Indicates that a periodic special inspection is required Test – Indicates that a test is required	GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8

Application Number: 04-122188 | School Name: PC Update | School District: PC Update
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Geotechnical Reports: Project has a geotechnical report, or CDs indicate soils special inspection is required by GE

	S1. GENERAL:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify that: • Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. • Foundation excavations are extended to proper depth and have reached proper material. • Materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) form for exemptions.)

	S2. SOIL COMPACTION AND FILL:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Perform classification and testing of fill materials.	Test	LOR*	* Under the supervision of the geotechnical engineer.
☑	b. Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (Refer to specific items identified in the Appendix (end of this form) form for exemptions where soils SI and testing may be conducted under the supervision of a geotechnical engineer or LOR's engineering manager. In such cases, the LOR's form DSA 291 shall satisfy the soil SI and test reporting requirements for the exempt items.)
☑	c. Compaction testing.	Test	LOR*	* Under the supervision of the geotechnical engineer. (Refer to specific items identified in the Appendix (end of this form) for exemptions where soils testing may be conducted under the supervision of a geotechnical engineer or LOR's engineering manager. In such cases, the LOR's form DSA 291 shall satisfy the soil test reporting requirements for the exempt items.)

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8

Application Number: 04-122188 | School Name: PC Update | School District: PC Update
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	S3. DRIVEN DEEP FOUNDATIONS (PILES):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Verify pile materials, sizes and lengths comply with the requirements.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐	b. Determine capacities of test piles and conduct additional load tests as required.	Test	LOR*	* Under the supervision of the geotechnical engineer.
☐	c. Inspect driving operations and maintain complete and accurate records for each pile.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐	d. Verify locations of piles and their plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and record any pile damage.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐	e. Steel piles.	Provide tests and inspections per STEEL section below.		
☐	f. Concrete piles and concrete filled piles.	Provide tests and inspections per CONCRETE section below.		
☐	g. For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.	*	*	* As defined on drawings or specifications.

	S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):			
	Test or Special Inspection	Type	Performed By	Code References and Note
☐	a. Inspect drilling operations and maintain complete and accurate records for each pier.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8

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	Test or Special Inspection	Type	Performed By	Code References and Note
☐	b. Verify pier locations, diameters, plumbness, bell diameters (if applicable), lengths and embedment into bedrock (if applicable); record concrete or grout volumes.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
☐	c. Confirm adequate end strata bearing capacity.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
☐	d. Concrete piers.	Provide tests and inspections per CONCRETE section below.		

	S5. RETAINING WALLS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Placement, compaction and inspection of backfill.	Continuous	GE*	1705A.6.1. * By geotechnical engineer or his or her qualified representative. (See section S2 above).
☐	b. Placement of soil reinforcement and/or drainage devices.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐	c. Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. See DSA IR 18-2.
☐	d. Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.		
☐	e. Masonry retaining walls.	Provide tests and inspections per MASONRY section below.		

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

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	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	c. Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	Periodic	SI	Table 1705A.3 Item 13. Special inspector to verify specified concrete strength test prior to stressing.
☐	d. Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	Continuous	SI	1705A.3.4, Table 1705A.3 Item 9; ACI 318-14 Section 26.13

	C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect fabrication of precast concrete members.	Continuous	SI	ACI 318-19 Section 26.13.
☐	b. Inspect erection of precast concrete members.	Periodic	SI*	Table 1705A.3 Item 10. * May be performed by PI when specifically approved by DSA.
☐	c. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: 1. Installation of the embedded parts 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	Continuous	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5
☐	d. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	Periodic	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

Application Number: 04-122188 | School Name: PC Update | School District: PC Update
DSA File Number: | Increment Number: | Date Created: 2023-04-19 08:36:32

	C4. SHOTCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect shotcrete placement for proper application techniques.	Continuous	SI	1705A.3.9, Table 1705A.3 Item 7, 1908A.1, 1908A.2, 1908A.3. See ACI 506.2-13 Section 3.4, ACI 506R-16.
☐	b. Sample and test shotcrete (f'_c).	Test	LOR	1908A.2, 1705A.3.9

	C5. POST-INSTALLED ANCHORS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect installation of post-installed anchors	See Notes	SI*	1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8 (See Appendix (end of this form) for exemptions). ACI 318-14 Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by DSA.
☐	b. Test post-installed anchors.	Test	LOR	1910A.5. (See Appendix (end of this form) for exemptions.)

	C6. OTHER CONCRETE:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a.			

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

Application Number: 04-122188 | School Name: PC Update | School District: PC Update
DSA File Number: | Increment Number: | Date Created: 2023-04-19 08:36:32

	C1. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
☑	b. Identify, sample, and test reinforcing steel.	Test	LOR	1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
☑	d. Test concrete (f'_c).	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.
☐	e. Batch plant inspection:	See Notes	SI	Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)
☐	f. Welding of reinforcing steel.	Provide special inspection per STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.		

	C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Sample and test prestressing tendons and anchorages.	Test	LOR	1705A.3.4, 1910A.3
☐	b. Inspect placement of prestressing tendons.	Periodic	SI	1705A.3.4, Table 1705A.3 Items 1 & 9.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16, AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-122188 | School Name: PC Update | School District: PC Update
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	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Periodic	*	Table 1705A.2.1 Item 3a–3c. 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	b. Test unidentified materials	Test	LOR	2202A.1.
☑	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
☑	d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
☐	e. Buckling restrained braces.	Test	LOR	Testing and special inspections in accordance with IR 22-4.

	S/A2. HIGH-STRENGTH BOLTS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	Periodic	SI	Table 1705A.2.1 Items 1a & 1b, 2202A.1; AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
☑	b. Test high-strength bolts, nuts and washers.	Test	LOR	Table 1705A.2.1 Item 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17-8.
☑	c. Bearing-type ("snug tight") connections.	Periodic	SI	Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.
☑	d. Pretensioned and slip-critical connections.	*	SI	Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. *"Continuous" or "Periodic" depends on the tightening method used.

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Oct 04, 2023

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DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-122188
DSA File Number:
School Name:
PC Update
Increment Number:
School District:
PC Update
Date Created: 2023-04-19 08:36:32

	S/A3. WELDING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify weld filler material identification marking per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☑	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
☑	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.

	S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☐	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
☐	d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	e. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

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	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	b. Inspect single-pass fillet welds ≤ 5/16".	Periodic	SI	Table 1705A.2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	c. Inspect end-welded studs (ASTM A-108) installation (including bend test).	Periodic	SI	2213A.2; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
☐	d. Inspect floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.6; AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.
☐	e. Inspect welding of structural cold-formed steel.	Periodic	SI*	1705A.2.5; AWS D1.3; DSA IR 17-3. The quality control provisions of AISI S240-20 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
☐	f. Inspect welding of stairs and railing systems.	Periodic	SI*	1705A.2.1; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
☐	g. Verification of reinforcing steel weldability.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	h. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

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	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A6. NONDESTRUCTIVE TESTING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Ultrasonic	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	b. Magnetic Particle	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	c.	Test	LOR	

	S/A7. STEEL JOISTS AND TRUSSES:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	Continuous	SI	1705A.2.3, Table 1705A.2.3; AWS D1.1; DSA IR 22-3 for steel joists only. 1705A.2.4; AWS D1.3 for cold-formed steel trusses.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

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	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A8. SPRAYED FIRE-RESISTANT MATERIALS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents.	Periodic	SI	1705A.15, 1705A.1, 1705A.2, 1705A.3, 1705A.4.
☐	b. Test density.	Test	LOR	1705A.15.1, 1705A.15.5, ASTM E736
☐	c. Bond strength adhesion/cohesion.	Test	LOR	1705A.15.1, 1705A.15.4, ASTM E605

	S/A9. ANCHOR BOLTS AND ANCHOR RODS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Anchor Bolts and Anchor Rods	Test	LOR	Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11.
☐	b. Threaded rod not used for foundation anchorage.	Test	LOR	Sample and test threaded rods not readily identifiable per procedures noted in DSA IR 17-11.

	S/A10. STORAGE RACK SYSTEMS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.	Periodic	SI	Table 1705A.13.7
☐	b. Fabricated storage rack elements.	Periodic	SI	1704A.2.5; Table 1705A.13.7

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

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	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	c. Storage rack anchorage installation.	Periodic	SI	ANSI/MH16.1 Section 7.3.2; Table 1705A.13.7
☐	d. Completed storage rack system to indicate compliance with the approved construction documents.	Periodic	SI*	Table 1705A.13.7; * May be preformed by the project inspector when specifically approved by DSA.

	S/A11. Other Steel			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a.			

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (OTHER), 2022 CBC

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PC Update
Date Created: 2023-04-19 08:36:32

	X1. OTHER:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Load test for identified product(s):	Test	LOR	1709A.2, 1709A.3. Testing is not required for: 1) a product with a valid evaluation service report per DSA IR A-5, or 2) a product that can be justified by structural calculation.
☐	b. Installation torque for non-HS bolts	Continuous	SI*	Applicable to communication towers identified as Essential Service Facility Projects (ESFP). Calibrated wrench use required, verified by SI during installation. DSA Policy PL 18-01: Communication Towers, Poles and Buildings Utilized by State Agencies for Essential Services Communications.*EXCEPTION: Non-ESFP may use PI without need for notification to DSA.
☐	c.			

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number: 04-122188
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Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. Items marked as exempt shall be identified on the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.

	SOILS:
☐	1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.
☐	2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2, supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill.

	CONCRETE/MASONRY:
☐	1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding" in the Appendix below given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding" in the Appendix below
☐	2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.
☐	3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.
☐	4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number:
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School Name:
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	CONCRETE/MASONRY:
☐	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.

	WELDING:
☐	1. Solid-clad and open-mesh fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates/fences are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.
☐	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the 'Exception' language in Section 1705A.2.1); fillet welds shall not be ground flush.
☐	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☐	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for sections S/A3, S/A4 and/or S/A5 located in the Steel/Aluminum category of listing above).
☐	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS(SIGNATURE), 2022 CBC

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School Name:
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School District:
PC Update
Date Created: 2023-04-19 08:36:32

Name of Architect or Engineer in general responsible charge:

Name of Structural Engineer (When structural design has been delegated):

Signature of Architect or Structural Engineer: Date:

Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.

DSA STAMP

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120310 INC: 02
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DATE: 04/11/2025

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APP: 04-122375 PC
REVIEWED FOR
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REV DATE	

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2700 SATURN ST I BREA, CA 92821
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WWW.JRMA.COM

REGISTERED PROFESSIONAL ENGINEER
RICHARD D. PEARSON
No. 29611
STRUCTURAL
STATE OF CALIFORNIA
Oct 04, 2023

DSA 103

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LS1.3

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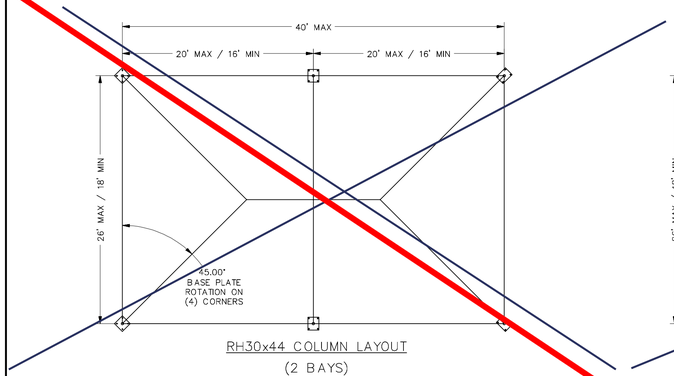
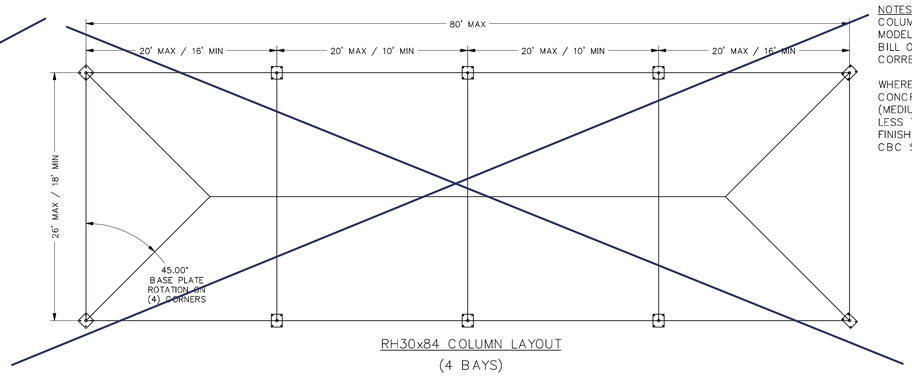


RH30x44 COLUMN LAYOUT

(2 BAYS)



RH30x84 COLUMN LAYOUT

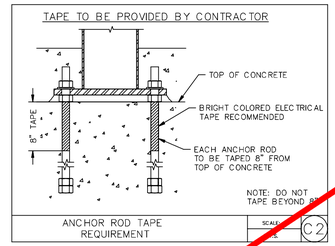
(4 BAYS)

NOTES:

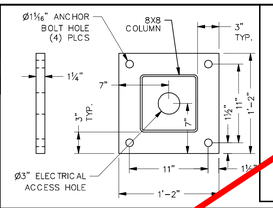
COLUMN SIZE AND LOCATION WILL VARY DEPENDING ON MODEL TYPE ORDERED, PLEASE REFER TO JOB SPECIFIC BILL OF MATERIALS AND INSTALLATION MANUAL FOR CORRECT PLACEMENT AND SIZE.

WHERE CONCRETE SLAB SPECIFIED PORTLAND CEMENT CONCRETE PAVING SHALL HAVE A MEDIUM SALTED (MEDIUM BROOM) FINISH ON ALL SURFACES SLOPED LESS THAN 6% AND SLIP RESISTANT (HEAVY BROOM FINISH) ON ALL SURFACES SLOPED GREATER THAN 6% CBC SECTION 1133B.7.1

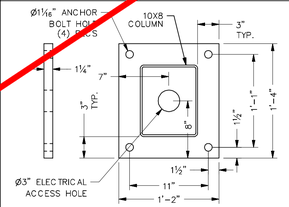
BASE PLATE LOCATION		
	DETAIL A	DETAIL B
8'	BP1	BP2
10'	BP1	BP2
12'	BP2	BP3



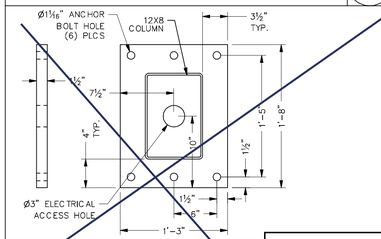
ANCHOR ROD TAPE REQUIREMENT — SCALE: — C2



8X8 COLUMN BASE PLATE DETAIL — BP1



10X8 COLUMN BASE PLATE DETAIL — BP2



12X8 COLUMN BASE PLATE DETAIL — BP3

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122310 INC: 02
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SS ☑ FLS ☑ ACS ☑
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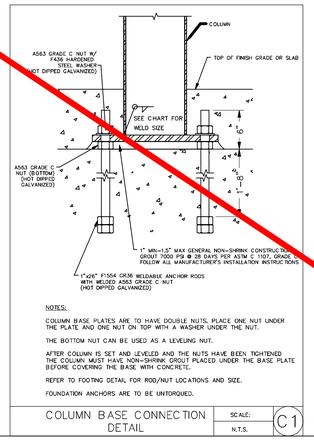
REGISTERED PROFESSIONAL ENGINEER — DAVID D. POLLOCK — No. 39000 — STRUCTURAL — STATE OF CALIFORNIA

Oct 04, 2023



NOTES:

COLUMN BASE PLATES ARE TO HAVE DOUBLE NUTS. PLACE ONE NUT UNDER THE PLATE AND ONE NUT ON TOP WITH A WASHER UNDER THE NUT.

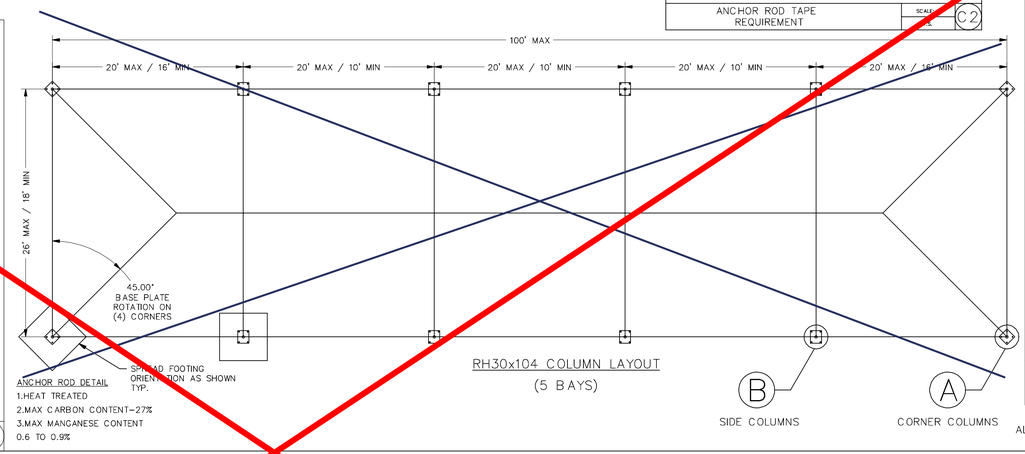
THE BOTTOM NUT CAN BE USED AS A LEVELING NUT.

AFTER COLUMN IS SET AND LEVELED AND THE NUTS HAVE BEEN TIGHTENED THE COLUMN MUST HAVE NON-SHRINK GROUT PLACED UNDER THE BASE PLATE BEFORE COVERING THE BASE WITH CONCRETE.

REFER TO FOOTING DETAIL FOR ROD/NUT LOCATIONS AND SIZE.

FOUNDATION ANCHORS ARE TO BE UNTORQUED.

COLUMN BASE CONNECTION DETAIL — SCALE: N.T.S. — C1



ANCHOR ROD DETAIL
1. HEAT TREATED
2. MAX CARBON CONTENT-27%
3. MAX MANGANESE CONTENT 0.6 TO 0.9%

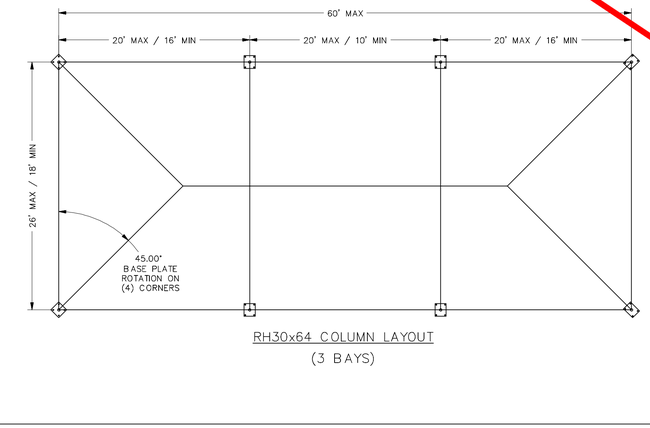
RH30x104 COLUMN LAYOUT

(5 BAYS)

B — SIDE COLUMNS

A — CORNER COLUMNS

ALL ANCHORS RODS SHALL BE 1" X 26" U.N.O.



RH30x64 COLUMN LAYOUT

(3 BAYS)

30' WIDE RECTANGULAR HIP

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122375 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 10/10/2023

RH30 - PIER

8' height - Corner Columns				8' height - Corner Columns				8' height - Corner Columns			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size
30	114	8	6	30	98	8	6	30	88	8	6
8' height - Side Columns				**8' height - Side Columns**				**8' height - Side Columns**			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size
36	144	12	6	30	132	8	6	30	118	8	6
8' Eave - 1500 psf [ ]				**8' Eave - 2000 psf [ ]**				**8' Eave - 3000 psf [ ]**			

10' height - Corner Columns				10' height - Corner Columns				10' height - Corner Columns			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size
30	120	8	6	30	102	8	6	30	92	8	6
10' height - Side Columns				**10' height - Side Columns**				**10' height - Side Columns**			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size
36	136	12	6	36	116	12	6	36	104	12	6
10' Eave - 1500 psf [ ]				**10' Eave - 2000 psf [ ]**				**10' Eave - 3000 psf [ ]**			

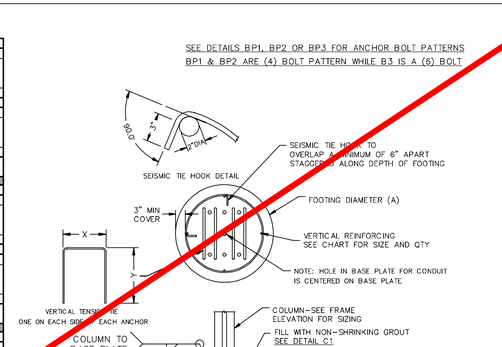
12' height - Corner Columns				12' height - Corner Columns				12' height - Corner Columns			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size
30	132	8	6	30	112	8	6	30	102	8	6
12' height - Side Columns				**12' height - Side Columns**				**12' height - Side Columns**			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size
36	140	12	6	36	120	12	6	36	108	12	6
10' Eave - 1500 psf [ ]				**10' Eave - 2000 psf [ ]**				**10' Eave - 3000 psf [ ]**			

8' height - Corner Columns			
Rebar Dimensions			Weld
X (in)	Y (in)	Rebar Size	Fillet Weld "W"
12	47	6	1/4
8' height - Side Columns			
Rebar Dimensions			Weld
X (in)	Y (in)	Rebar Size	Fillet Weld "W"
16	59	7	1/4
8' Eave - Rebar & Weld			

10' height - Corner Columns			
Rebar Dimensions			Weld
X (in)	Y (in)	Rebar Size	Fillet Weld "W"
12	47	6	1/4
10' height - Side Columns			
Rebar Dimensions			Weld
X (in)	Y (in)	Rebar Size	Fillet Weld "W"
16	59	7	1/4
10' Eave - Rebar & Weld			

12' height - Corner Columns			
Rebar Dimensions			Weld
X (in)	Y (in)	Rebar Size	Fillet Weld "W"
16	59	7	1/4
12' height - Side Columns			
Rebar Dimensions			Weld
X (in)	Y (in)	Rebar Size	Fillet Weld "W"
20	59	7	1/4
12' Eave - Rebar & Weld			

SEE DETAILS BP1, BP2 OR BP3 FOR ANCHOR BOLT PATTERNS
BP1 & BP2 ARE (4) BOLT PATTERN WHILE B3 IS A (6) BOLT



RH30 - SPREAD

8' height - Corner Columns				8' height - Corner Columns				8' height - Corner Columns			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size
60	30	8	6	57	30	7	6	57	30	7	6
8' height - Side Columns				**8' height - Side Columns**				**8' height - Side Columns**			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size
84	30	11	6	81	30	10	6	75	30	10	6
8' Eave - 1500 psf [ ]				**8' Eave - 2000 psf [ ]**				**8' Eave - 3000 psf [ ]**			

10' height - Corner Columns				10' height - Corner Columns				10' height - Corner Columns			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size
66	30	9	6	63	30	8	6	63	30	8	6
10' height - Side Columns				**10' height - Side Columns**				**10' height - Side Columns**			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size
81	30	10	6	75	30	10	6	75	30	10	6
10' Eave - 1500 psf [ ]				**10' Eave - 2000 psf [ ]**				**10' Eave - 3000 psf [X]**			

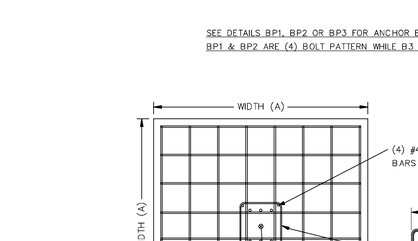
12' height - Corner Columns				12' height - Corner Columns				12' height - Corner Columns			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size
78	30	10	6	78	30	10	6	72	30	9	6
12' height - Side Columns				**12' height - Side Columns**				**12' height - Side Columns**			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size
84	30	11	6	78	30	10	6	78	30	10	6
12' Eave - 1500 psf [ ]				**12' Eave - 2000 psf [ ]**				**12' Eave - 3000 psf [ ]**			

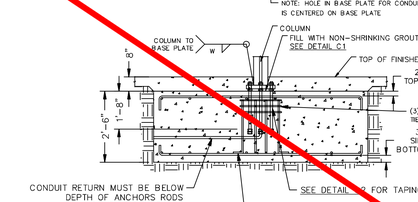
8' - Corner Columns			
Tie Dimensions			Weld
B (in)	C (in)	Rebar Size	Fillet Weld "W"
16	17.5	5	1/4
8' - Side Columns			
Tie Dimensions			Weld
B (in)	C (in)	Rebar Size	Fillet Weld "W"
16	19.5	5	1/4
8' Eave - Rebar & Weld			

10' - Corner Columns			
Tie Dimensions			Weld
B (in)	C (in)	Rebar Size	Fillet Weld "W"
16	17.5	5	1/4
10' - Side Columns			
Tie Dimensions			Weld
B (in)	C (in)	Rebar Size	Fillet Weld "W"
16	19.5	5	1/4
10' Eave - Rebar & Weld			

12' - Corner Columns			
Tie Dimensions			Weld
B (in)	C (in)	Rebar Size	Fillet Weld "W"
16	19.5	5	5/16
12' - Side Columns			
Tie Dimensions			Weld
B (in)	C (in)	Rebar Size	Fillet Weld
17	21.5	5	1/4
12' Eave - Rebar & Weld			

SEE DETAILS BP1, BP2 OR BP3 FOR ANCHOR BOLT PATTERNS
BP1 & BP2 ARE (4) BOLT PATTERN WHILE B3 IS A (6) BOLT





30' WIDE RECTANGULAR HIP FOUNDATION PLAN

ICON Shelter Systems Inc
DISTINCTIVE STEEL SHELTERS
WWW.ICONSHELTERS.COM

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1455 LINCOLN AVE
HOLLAND MI, 49423

616.396.0919
800.748.0985
616.396.0944 FX

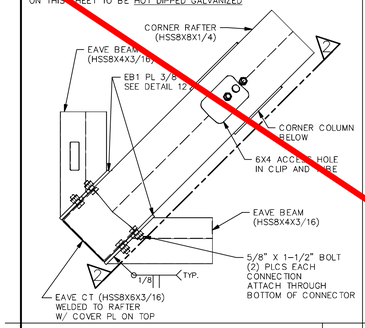
PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

S:\Engineering\Inventor\DSA 2022\PC 2022 RH DSA\30 FOOT\30 WIDE BASE PLATE 1 - DSA 2022 HIP.ipt

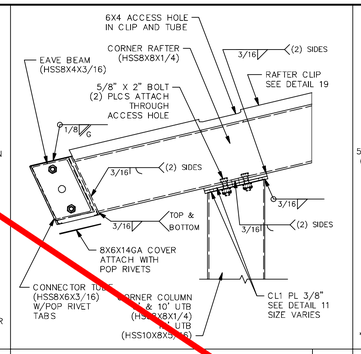
PRINTED ON :

LS3.0

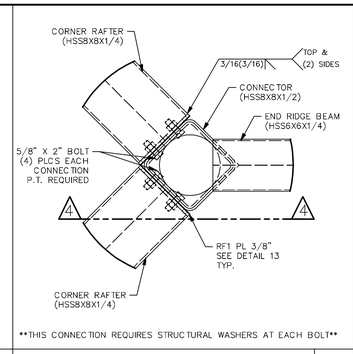
ALL STRUCTURAL FASTENERS (NUTS, BOLTS, & WASHERS) ON THIS SHEET TO BE HOT DIPPED GALVANIZED



PLAN – EAVE BEAMS & CORNER RAFTER CONNECTIONS @ CORNER COLUMN | 1

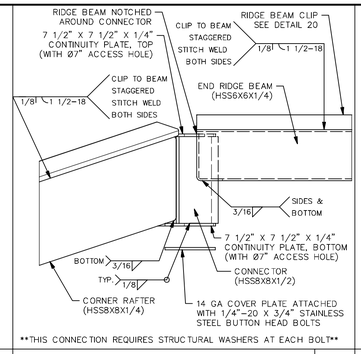


VIEW – EAVE BEAMS & CORNER RAFTER CONNECTIONS @ CORNER COLUMN | 2



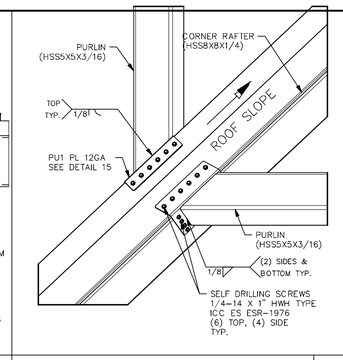
THIS CONNECTION REQUIRES STRUCTURAL WASHERS AT EACH BOLT

PLAN – CORNER RAFTERS CONNECTIONS @ END RIDGE BEAM | 3

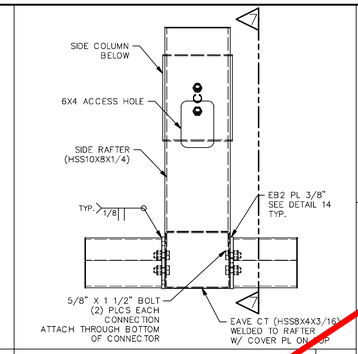


THIS CONNECTION REQUIRES STRUCTURAL WASHERS AT EACH BOLT

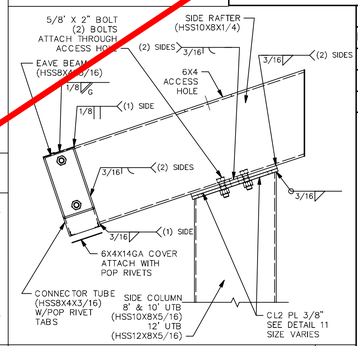
VIEW – CORNER RAFTERS CONNECTIONS @ END RIDGE BEAM | 4



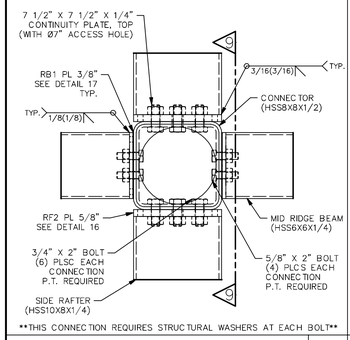
ISOMETRIC – PURLIN CONNECTIONS @ CORNER RAFTER | 5



PLAN – EAVE BEAM & SIDE RAFTER CONNECTIONS @ SIDE COLUMN | 6

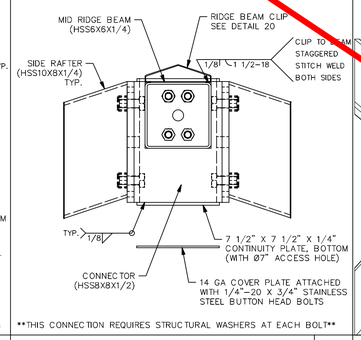


VIEW – EAVE BEAM & SIDE RAFTER CONNECTION @ SIDE COLUMN | 7



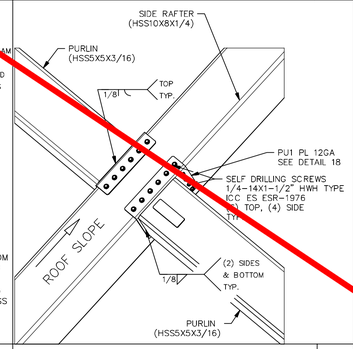
THIS CONNECTION REQUIRES STRUCTURAL WASHERS AT EACH BOLT

PLAN – SIDE RAFTERS & RIDGE BEAM CONNECTIONS @ CONNECTOR | 8

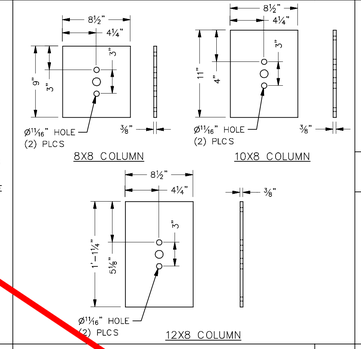


THIS CONNECTION REQUIRES STRUCTURAL WASHERS AT EACH BOLT

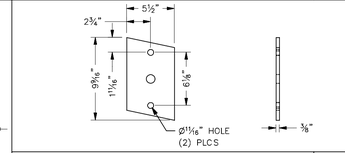
VIEW – SIDE RAFTERS & RIDGE BEAM CONNECTIONS @ CONNECTOR | 9



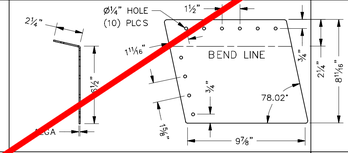
ISOMETRIC – PURLIN CONNECTIONS @ SIDE RAFTER | 10



COLUMN TO RAFTER PLATE DETAIL | 11

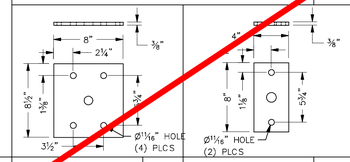


CORNER EAVE BEAM PLATE DETAIL | 12

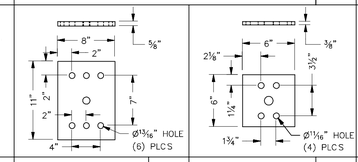


CORNER PURLIN PLATE DETAIL | 15

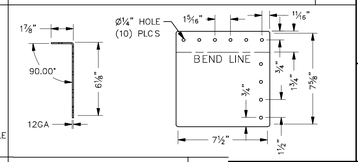
VIEW – EAVE BEAM & SIDE RAFTER CONNECTION @ SIDE COLUMN | 7



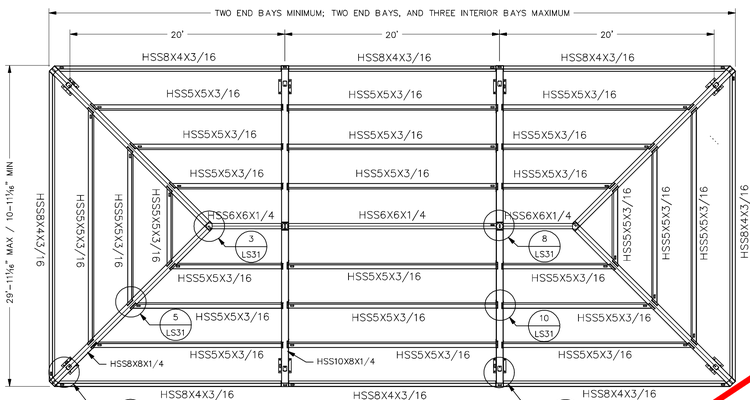
CORNER RAFTER PLATE DETAIL | 13 — SIDE EAVE BEAM PLATE DETAIL | 14



SIDE RAFTER PLATE DETAIL | 16 — RIDGE BEAM PLATE DETAIL | 17



SIDE PURLIN PLATE DETAIL | 18



PLAN VIEW

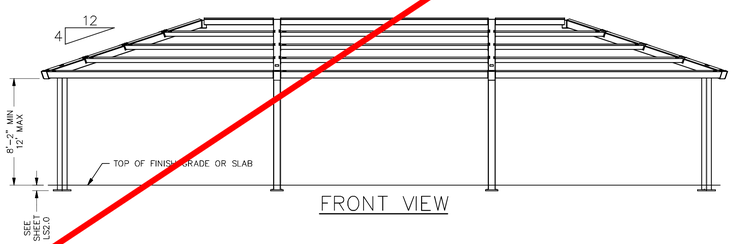
*NOTE:
QUANTITIES WILL VARY DEPENDING ON SHELTER SIZE ORDERED. PLEASE REFER TO JOB SPECIFIC BILL OF MATERIALS AND INSTALLATION MANUAL.

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	LENGTH	UNIT WEIGHT
1	4		CORNER COLUMN	**SEE NOTE BELOW		353 lbmass
2	*		SIDE COLUMN	**SEE NOTE BELOW		473 lbmass
3	2		LH SIDE EAVE BEAM	HSS8X4X3/16		311 lbmass
4	2		RH SIDE EAVE BEAM	HSS8X4X3/16		311 lbmass
5	2		END EAVE BEAM	HSS8X4X3/16		422 lbmass
6	*		SIDE EAVE BEAM	HSS8X4X3/16		287 lbmass
7	4		CORNER RAFTER	HSS8X8X1/4		607 lbmass
8	4		SIDE RAFTER	HSS10X8X1/4		473 lbmass
9	2		END RIDGE BEAM	HSS6X6X3/16		149 lbmass
10	*		MID RIDGE BEAM	HSS6X6X3/16		329 lbmass
11	*		CONNECTOR	HSS8X8X1/2		48 lbmass
12	*		LH SIDE PURLIN 1	HSS5X5X3/16		210 lbmass
13	*		RH SIDE PURLIN 1	HSS5X5X3/16		210 lbmass
14	*		END PURLIN 1	HSS5X5X3/16		257 lbmass
15	*		LH SIDE PURLIN 2	HSS5X5X3/16		166 lbmass
16	*		RH SIDE PURLIN 2	HSS5X5X3/16		166 lbmass
17	*		END PURLIN 2	HSS5X5X3/16		169 lbmass
18	*		LH SIDE PURLIN 3	HSS5X5X3/16		122 lbmass
19	*		RH SIDE PURLIN 3	HSS5X5X3/16		122 lbmass
20	*		END PURLIN 3	HSS5X5X3/16		81 lbmass
21	*		MID PURLIN	HSS5X5X3/16		235 lbmass

**NOTE:
MATERIAL WILL VARY DEPENDING ON SHELTER SIZE ORDERED.

- ☐ CORNER COLUMN 8' UTB – (HSS8X8X1/4)
  ☐ SIDE COLUMN 8' UTB – (HSS10X8X5/16)
- ☐ CORNER COLUMN 10' UTB – (HSS8X8X1/4)
  ☐ SIDE COLUMN 10' UTB – (HSS10X8X5/16)
- ☐ CORNER COLUMN 12' UTB – (HSS10X8X5/16)
  ☐ SIDE COLUMN 12' UTB – (HSS12X8X5/16)

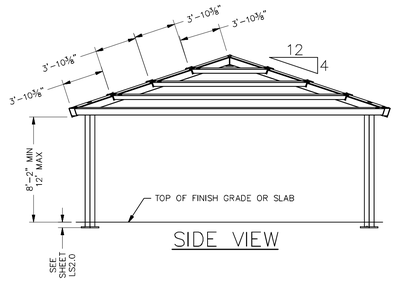
MODEL DESIGNATION	
RH30X44	2 BAY
RH30X64	3 BAY
RH30X84	4 BAY
RH30X104	5 BAY



FRONT VIEW

98" MIN IF USED OVER ACCESSIBLE PARKING OR ACCESS AISLES

114" MIN IF LOCATED OVER ACCESSIBLE PASSENGER LOADING ZONES



SIDE VIEW

TYPICAL NUT RESTRAINING SYSTEM | NR

ALL BOLTS ARE ASTM F3125 GR A325 HIGH STRENGTH BOLTS PER SHEET LS1.0

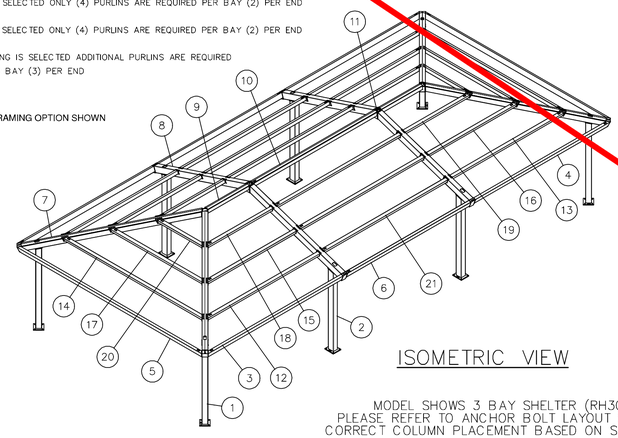
TYPICAL BOLT RESTRAINING SYSTEM | BR

**IF MULTI RIB ROOFING IS SELECTED ONLY (4) PURLINS ARE REQUIRED PER BAY (2) PER END

**IF MEGA RIB ROOFING IS SELECTED ONLY (4) PURLINS ARE REQUIRED PER BAY (2) PER END

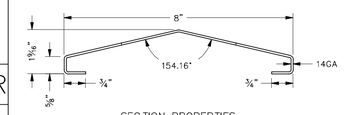
**IF STANDING SEAM ROOFING IS SELECTED ADDITIONAL PURLINS ARE REQUIRED (6) PURLINS REQUIRED PER BAY (3) PER END

STANDING SEAM FRAMING OPTION SHOWN



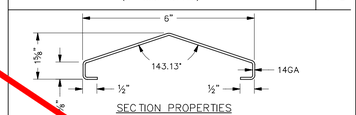
ISOMETRIC VIEW

MODEL SHOWS 3 BAY SHELTER (RH30X64)
PLEASE REFER TO ANCHOR BOLT LAYOUT SHEET FOR CORRECT COLUMN PLACEMENT BASED ON SIZE ORDERED



SECTION PROPERTIES
A=0.863 in^2 Fy=36 ksi
Ix=0.197 in^4 Sx=0.286 in^3
Iy=6.579 in^4 Sy=1.645 in^3

CORNER RAFTER CLIP (8" WIDE BEAM) | 19



SECTION PROPERTIES
A=0.657 in^2 Fy=36 ksi
Ix=0.087 in^4 Sx=0.03 in^3
Iy=0.92 in^4 Sy=0.97 in^3

RIDGE BEAM CLIP (6" WIDE BEAM) | 20

30' WIDE RECTANGULAR HIP

30' WIDE RECTANGULAR HIP FRAMING & CONNECTION DETAILS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122310 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122375 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 10/10/2023

ICON STD	RH/DSA-PC
DRAWN BY	JD
DATE	7/25/2023
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REGISTERED PROFESSIONAL ENGINEER
JOHN R. MAHER
No. 17868
STRUCTURAL
STATE OF CALIFORNIA

Oct 04, 2023

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DISTINCTIVE STEEL SHELTERS
WWW.ICONSHELTERS.COM

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HOLLAND MI, 49423
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800.748.0985
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Code: 2022 CBC
A separate project application for construction is required.

LS3.1

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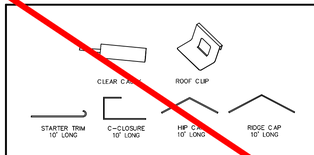
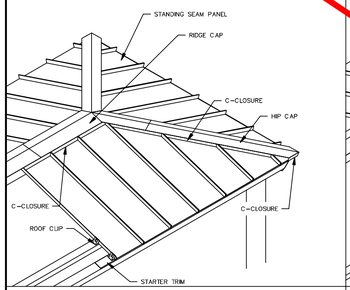


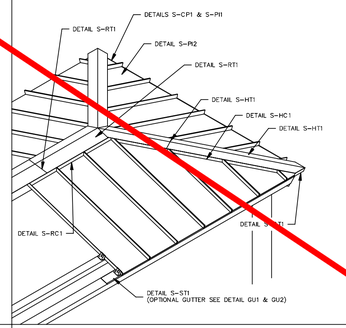


TRIM REFERENCE

THESE DETAILS ASSUME THAT ALL COMPONENTS OF THIS ROOF SYSTEM WILL BE INSTALLED PLUMB AND SQUARE. CAULK AND TRIM SHOULD ALSO BE INSTALLED TO INSURE WATER TIGHTNESS

READ ALL DETAILS IN THIS INSTALLATION MANUAL BEFORE STARTING

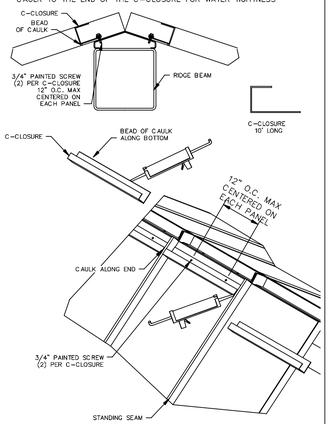
S-ST1 STARTER TRIM
S-CP1 ROOF PANEL PREPARATION
S-PI1 FIRST ROOF PANEL
S-PI2 SECOND ROOF PANEL
S-HC1 C-CLOSURE @ HIP
S-RC1 C-CLOSURE @ RIDGE
S-CT1 CORNER TRIM
S-HT1 HIP CAP
S-RT1 RIDGE CAP



ORDER OF INSTALLATION

TO INSTALL C-CLOSURES ALONG THE RIDGE MEASURE, MARK & CUT THE C-CLOSURE TO LENGTH.

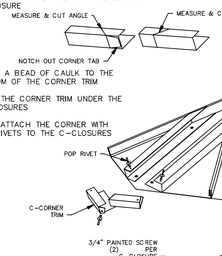
APPLY A 1/4" BEAD OF CAULK TO THE BOTTOM OF THE C-CLOSURE AND FASTEN IT TO THE ROOF WITH (2) 3/4" PAINTED SCREWS (12" O.C. MAX CENTERED ON EACH PANEL) ALONG THE RIDGE BEAM. THEN APPLY CAULK TO THE END OF THE C-CLOSURE FOR WATER TIGHTNESS



TO FINISH OFF THE END OF THE HIP, MAKE A CORNER CAP BY CUTTING TWO PIECES OF C-CLOSURE TO LENGTH

MEASURE AND CUT A MITER AND CORNER TAB ON (1) PIECE OF C-CLOSURE

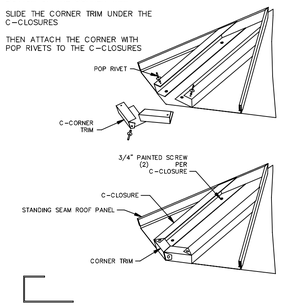
CUT AN OPPOSITE MITER ON THE SECOND C-CLOSURE



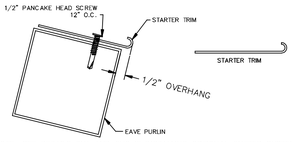
APPLY A BEAD OF CAULK TO THE BOTTOM OF THE CORNER TRIM

SLIDE THE CORNER TRIM UNDER THE C-CLOSURES

THEN ATTACH THE CORNER WITH POP RIVETS TO THE C-CLOSURES



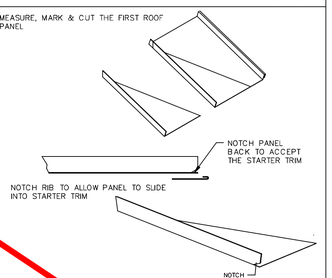
INSTALL STARTER TRIM OVERHANGING THE EDGE OF THE EAVE PURLIN 1/2". ATTACH STARTER TRIM WITH 1 1/2" PANCAKE HEAD SCREWS 12" O.C.



NOTE: SEE DETAILS GU1 AND GU2 IF INSTALLING OPTIONAL GUTTER SYSTEM

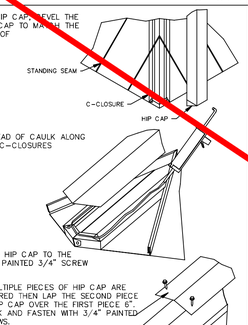
STARTER INSTALLATION S-ST1

MEASURE, MARK & CUT THE FIRST ROOF PANEL



FIELD CUTTING ROOF PANELS S-CP1

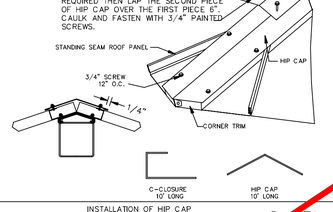
TO INSTALL THE HIP CAP, LEVEL THE END OF THE HIP CAP TO MATCH THE ANGLE OF THE ROOF



NEXT APPLY A BEAD OF CAULK ALONG THE TOP OF THE C-CLOSURES

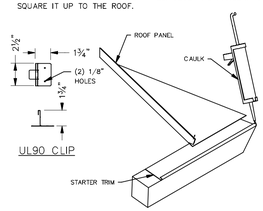
THEN FASTEN THE HIP CAP TO THE C-CLOSURE WITH PAINTED 3/4" SCREW 12" O.C.

IF MULTIPLE PIECES OF HIP CAP ARE REQUIRED THEN LAP THE SECOND PIECE OF HIP CAP OVER THE FIRST PIECE 6". CAULK AND FASTEN WITH 3/4" PAINTED SCREWS.



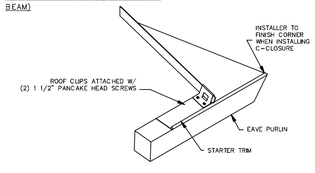
INSTALLATION OF FIRST ROOF PANEL S-PI1

AFTER THE ROOF PANEL HAS BEEN CUT TO SIZE (IF NECESSARY) AND NOTCHED, TEST FIT THE PANEL. THEN APPLY A BEAD OF CAULK THE APPROXIMATE LENGTH OF THE PANEL. SLIDE THE PANEL INTO PLACE, AND SQUARE IT UP TO THE ROOF.



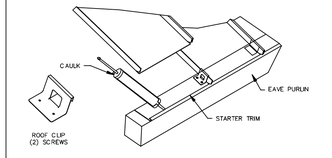
WITH THE ROOF PANEL IN PLACE AND SQUARE, INSTALL THE ROOF CLIPS WITH (2) 1 1/2" PANCAKE HEAD SCREWS.

ROOF CLIPS ARE INSTALLED AT EVERY CROSS MEMBER (EXCEPT RIDGE BEAM)



INSTALLATION OF SECOND ROOF PANEL S-PI2

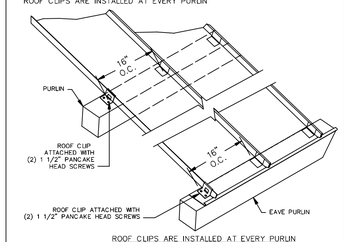
AFTER THE SECOND ROOF PANEL HAS BEEN CUT TO LENGTH (IF NECESSARY) AND NOTCHED, TEST FIT PANEL. THEN APPLY A BEAD OF CAULK INSIDE THE STARTER TRIM. SLIDE THE SECOND ROOF PANEL IN PLACE AND SNAP IT OVER THE BATTEN OF THE FIRST PANEL



WITH THE SECOND ROOF PANEL IN PLACE AND SQUARE, INSTALL THE ROOF CLIPS WITH (2) 1 1/2" PANCAKE HEAD SCREWS.

REPEAT THIS STEP UNTIL ALL ROOF PANELS ARE INSTALLED

ROOF CLIPS ARE INSTALLED AT EVERY PURLIN

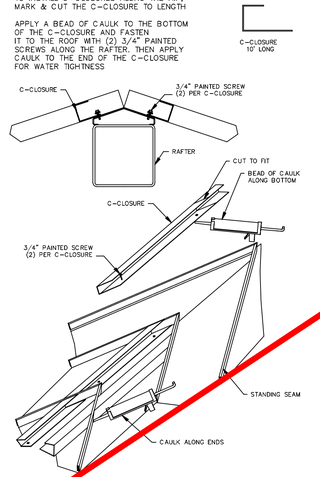


ROOF CLIPS ARE INSTALLED AT EVERY PURLIN

INSTALLATION OF HIP C-CLOSURE S-HC1

TO INSTALL C-CLOSURES ALONG THE HIP, MARK & CUT THE C-CLOSURE TO LENGTH

APPLY A BEAD OF CAULK TO THE BOTTOM OF THE C-CLOSURE AND FASTEN IT TO THE ROOF WITH (2) 3/4" PAINTED SCREWS ALONG THE RAFTER. THEN APPLY CAULK TO THE END OF THE C-CLOSURE FOR WATER TIGHTNESS



ROOF NOTES

ATTENTION INSTALLERS:
METAL SHAVINGS LEFT ON ROOF WILL QUICKLY RUST AND STAIN THE ROOF FINISH!

DRILLING OR INSTALLING ROOF FASTENERS WILL CAUSE METAL SHAVINGS. THESE SHAVINGS MUST BE CAREFULLY REMOVED AT THE END OF EACH DAY BY EITHER SWEEPING OR BRUSHING THE INSTALLED ROOF.

INSTALLED CORRECTLY	INSTALLED TOO TIGHT	INSTALLED TOO LOOSE
THE SEALING MATERIAL SLIGHTLY VISIBLE AROUND THE METAL WASHER	THE SEALING MATERIAL IS DEFORMED BEYOND THE EDGE OF THE METAL WASHER	THE SEALING MATERIAL IS NOT VISIBLE AROUND THE EDGE OF THE METAL WASHER

THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL INSTALLATION INSTRUCTION MATERIAL BEFORE STARTING WORK.

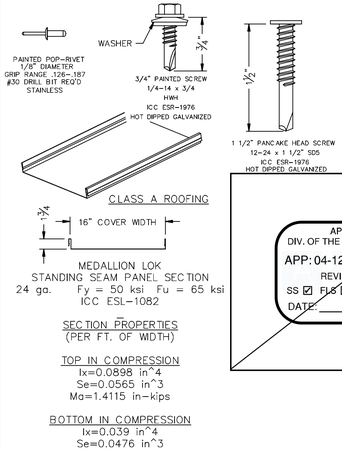
THE PANELS SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK.

ERECTORS SHALL BE RESPONSIBLE TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS.

FOR THE BEST APPEARANCE ALL TRIM AND FLASHING SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT, WITH ALL EXPOSED FASTENERS EQUALLY SPACED.

SOME FIELD CUTTING AND/OR FITTING OF PANELS, TRIM AND FLASHING IS TO BE EXPECTED BY THE ERECTOR. MINOR FIELD CORRECTIONS ARE PART OF NORMAL ERECTION WORK.

THE INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSPERSON AND WORKMANSHIP SHALL MEET THE BEST INDUSTRY STANDARDS.



SECTION PROPERTIES
(PER FT. OF WIDTH)

TOP IN COMPRESSION
Ix=0.0898 in^4
Se=0.0565 in^3
Ma=1.4115 in-kips

BOTTOM IN COMPRESSION
Ix=0.039 in^4
Se=0.0476 in^3
Ma=1.0305 in-kips

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REVIEWED FOR
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DATE: 04/11/2025

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INSTALLATION OF C-CLOSURE @ RIDGE S-RC1

INSTALLATION OF CORNER TRIM S-CT1

INSTALLATION OF HIP CAP S-HT1

INSTALLATION OF RIDGE CAP S-RT1

OPTIONAL GUTTER INSTALLATION STANDING SEAM ROOF GU1

OPTIONAL GUTTER SECTION STANDING SEAM ROOF GU2

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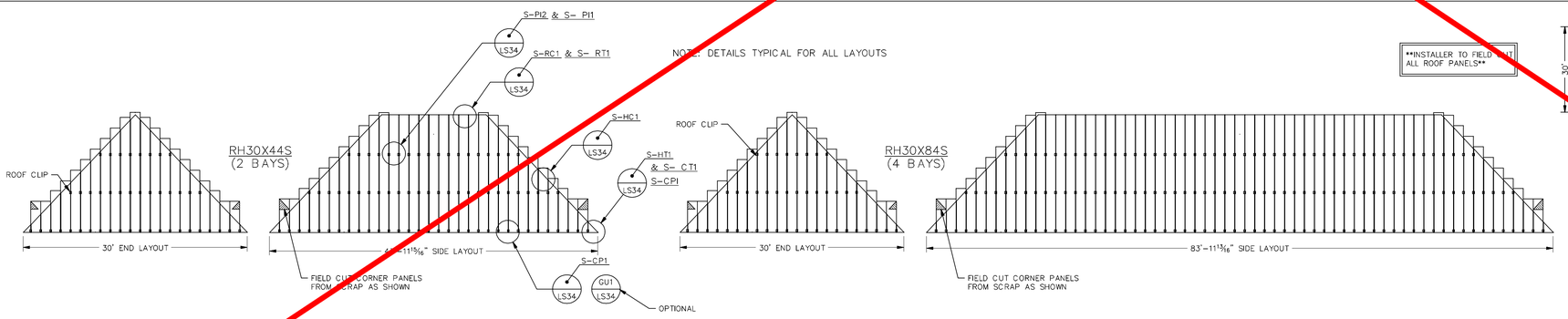
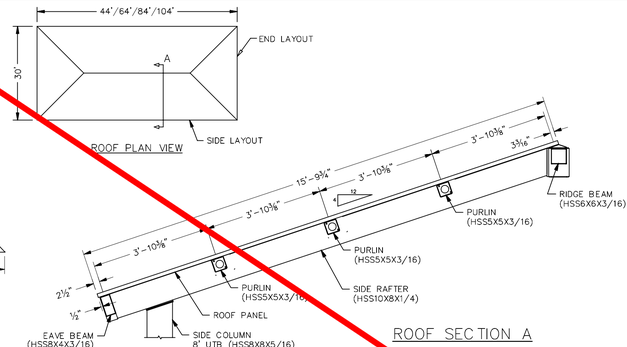
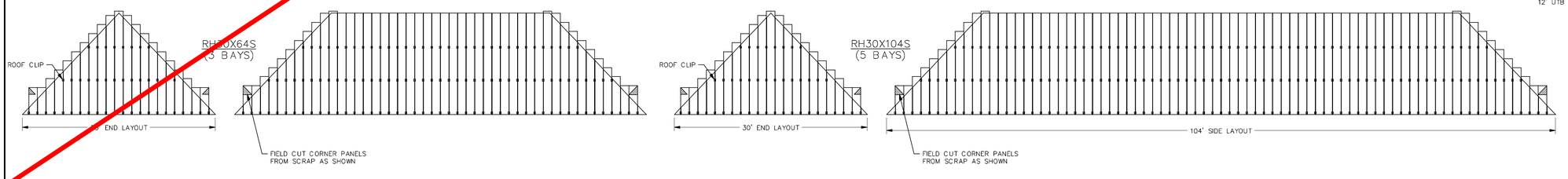
30' WIDE RECTANGULAR HIP STANDING SEAM ROOFING

NOTE: DETAILS TYPICAL FOR ALL LAYOUTS



INSTALLER TO FIELD CUT ALL ROOF PANELS





30' WIDE RECTANGULAR HIP STANDING SEAM ROOFING PLAN

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S:\Engineering\Inventor\DSA 2019\PC 2019 RH DSA\ROOFS\30 FOOT\30 FOOT END SS.dwm

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ELECTRICAL INFORMATION - RECTANGULAR HIP

ICON'S STANDARD ELECTRICAL IS DESIGNED TO ACCOMMODATE Ø1/2" CONDUIT WITH A Ø3" INLET HOLE ON THE BOTTOM OF EACH COLUMN. THE CONDUIT PATHWAY RUNS THROUGH THE COLUMN, RAFTER, AND RIDGE BEAM THROUGH ALL BOLTED CONNECTIONS AS SHOWN. IF YOU HAVE SPECIAL ELECTRICAL REQUIREMENTS, PLEASE OUTLINE ANY CHANGES BELOW AS DESCRIBED.

PLEASE NOTE: DESIGN LIMITATIONS ON HOLE/CUTOUT SIZES MAY APPLY. ICON WILL REACH OUT TO DISCUSS ANY SUCH LIMITATIONS AS NEEDED.

NOTE: ICON SHELTER FRAME IS NOT UL LISTED TO ACT AS A CONDUIT FOR ELECTRICAL WIRING. CONSULT LOCAL BUILDING CODES WHEN PLANNING YOUR ELECTRICAL SYSTEM.

STEPS:

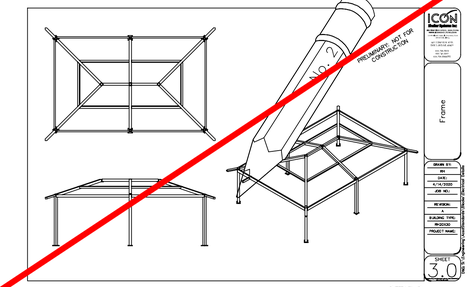
1. CONDUIT HOLE SIZE (DETAIL A)

2. ELECTRICAL EXIT HOLES (DETAIL B)

3. ELECTRICAL ACCESS & COVER PLATES (DETAIL C)

4. ELECTRICAL CONDUIT PATHWAY (DETAIL D)

IF REQUIRED, PLEASE DRAW THE NECESSARY ELECTRICAL CONDUIT PATHWAY ON THE FRAME SHEET OF THIS PRELIMINARY.

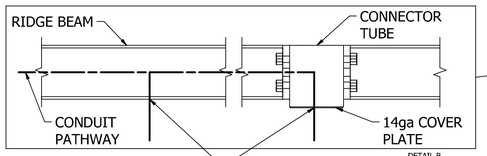


DETAIL D

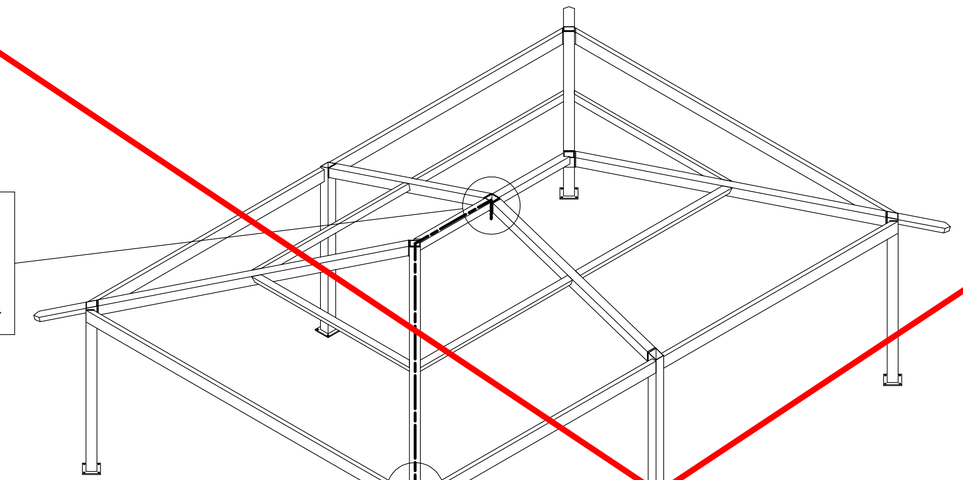
OPTIONAL EXIT HOLES

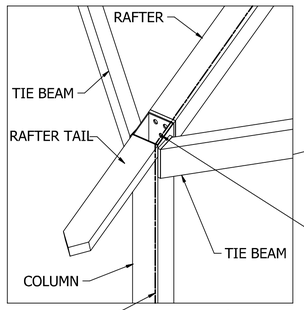
IF REQUIRED, EXIT HOLES FOR LIGHTING, ETC. CAN BE PLACED IN THE RIDGE BEAM AND/OR CONNECTOR TUBE WITH 14ga COVER PLATE AS SHOWN (CHARGES APPLY) USE FRAME SHEET OF THIS PRELIMINARY TO SPECIFY REQUIRED EXIT HOLE LOCATIONS AND SIZE.

(1) EXIT HOLE PER CONNECTOR
(2) EXIT HOLES PER RIDGE BEAM



DETAIL B



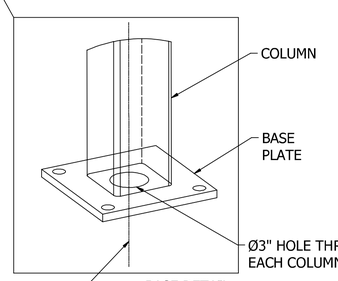


DETAIL A

ICON PROVIDES A MINIMUM OF (1) 3/4" HOLE AT EACH CONNECTION FOR 1/2" CONDUIT. IF APPLICABLE, PLEASE SPECIFY REQUIRED CONDUIT SIZE: (CHARGES APPLY)

- ☐ 3/4" CONDUIT (1" HOLES)
- ☒ 1" CONDUIT (1 1/4" HOLES)

CONDUIT PATHWAY PROVIDED FOR EACH COLUMN.



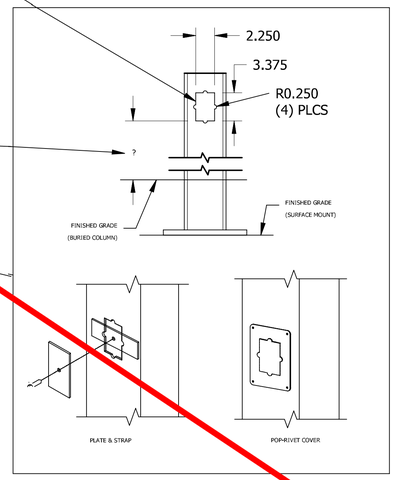
BASE DETAIL

CONDUIT (NOT BY ICON)

PROVIDE GROUNDING PER CEC ARTICLE 250

OPTIONAL CUTOUTS

USE FRAME SHEET OF THIS PRELIMINARY TO SPECIFY REQUIRED CUTOUT LOCATIONS (CHARGES APPLY)
SEE REQUIRED INFO BELOW



DETAIL C

(4) COVER PLATES PROVIDED UPON REQUEST (CHARGES APPLY)
PLEASE SPECIFY TYPE AND QUANTITY REQUIRED:

- ☐ PLATE & STRAP
- ☒ POP-RIVET COVER PLATE (STAINLESS POP RIVET)
  HOW MANY REQUIRED? 2

REFER TO 1/E1.1 INCREMENT 1 FOR RECEPTACLE LOCATIONS.

NOTE: BUILDING DEPICTED ON THIS SHEET FOR ILLUSTRATION PURPOSES ONLY. ACTUAL LAYOUT AND FRAME MEMBER QUANTITIES VARY BY DESIGN. PLEASE REFER TO ELEVATION AND FRAME SHEETS IN THIS PRELIMINARY FOR ORDER-SPECIFIC CONFIGURATION.

1-6 Electrical Cut outs Included to accomodate Elextrical Needs

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Oct 04, 2023

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USASHADE & Fabric Structures, Inc.

FABRIC SHADE STRUCTURE

DSA P.C. 04-123501

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE 2022 EDITION OF THE TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
2. ALL WORK SHALL BE IN COMPLIANCE WITH CFC CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
3. SEE INDIVIDUAL STRUCTURAL DRAWINGS FOR SPECIFIC DESIGN NOTES AND LOADING.
4. PRIOR TO SUBMITTAL ARCHITECT OF RECORD SHALL IDENTIFY PC MODEL(S) SELECTED BY END USER ON SHEETS T-1.0 AND T-2.0 BY CHECKING THE APPROPRIATE BOX ASSOCIATED WITH SELECTED PC MODEL(S), EXCLUDE SHEETS FOR MODELS NOT SELECTED.

PLANS FOR SPECIFIC APPLICATION SHALL INCLUDE THE FOLLOWING:

1. COMPLETE SCOPE OF WORK INCLUDING THE SHADE STRUCTURE MODEL NUMBER, P.C. NUMBER, AND SPECIFIC SIZE OF THE SHADE STRUCTURE(S).
2. PROVIDE A CODE ANALYSIS, INCLUDING ACTUAL SHADE STRUCTURE AREA (SQ. FT.), OCCUPANCY TYPE (A-3), AND TYPE OF CONSTRUCTIONS (V-B). INDICATE OCCUPANT LOAD FACTOR (2022 CBC, SECTION 1004).
3. ACTUAL DIMENSIONS OF SHADE STRUCTURES.
4. DIMENSIONS FROM ADJACENT STRUCTURES AND PROXIMITY OF ASSUMED OR ACTUAL PROPERTY LINES.
5. INDICATE LOCATIONS OF FIRE EXTINGUISHERS WITHIN 75 FEET.
6. SHOW LOCATION OF AUDIBLE FIRE ALARM.
7. ALL SADDLES, CLAMPS AND FITTINGS SHALL CONFORM TO THE GUIDELINES AS SPECIFIED IN APPENDICES "A, B, & C", RESPECTIVELY, IN ASCE/SEI 19-16, "STRUCTURAL APPLICATIONS OF STEEL CABLES FOR BUILDINGS."
8. ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS LOCATED IN A MAPPED GEOLOGIC HAZARD ZONE. GEOHAZARD REPORTS REQUIREMENTS SHALL COMPLY WITH DSA IR A-4.
9. ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS LOCATED IN A MAPPED FIRE HAZARD SEVERITY ZONE OR WILDLAND INTERFACE AREA.

FOR SNOW LOAD MODELS ONLY:

10. INDICATE DIMENSIONS FROM THE ROOF TO THE HIGHER STRUCTURE OR TERRAIN FEATURE. MINIMUM DIMENSION OF 20'-0" FOR SNOW LOAD MODEL (ASCE 7-16).
11. ACTUAL SITE ELEVATION (FEET) TO DETERMINE IF THE SITE OCCURS AT OR BELOW THE UPPER ELEVATION LIMIT FOR THE GROUND SNOW LOAD SHOWN IN ASCE 7-16.

P.C. NOTES

PLANS FOR SPECIFIC APPLICATION SHALL INCLUDE THE FOLLOWING:

LIST OF APPLICABLE CODES:

- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.
- 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
- 2022 CALIFORNIA ELECTRICAL CODE (CEC) , PART 3, TITLE 24 C.C.R.
- 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
- 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
- 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
- 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
- 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R.
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.
- TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS:

FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

APPLICABLE CODES

SITE SPECIFIC PARAMETERS

SITE SPECIFIC PARAMETERS

INSTRUCTIONS: DESIGN PROFESSIONAL SHALL CHECK THE APPROPRIATE SELECTION BOXES BELOW AND ENTER THE DESIGN PARAMETERS APPLICABLE TO THE SPECIFIC PROJECT SITE

SEISMIC

SELECT ONE

☐ DESIGN BASED ON SITE CLASS $D_{default}$
NO GEOTECHNICAL INVESTIGATION REQUIRED
Ss = 0.628 Fa = 1.2

☐ DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16
GEOTECHNICAL INVESTIGATION PROVIDED
SITE CLASS: ☐ C ☐ D
Ss = _____ Fa = _____ PER ASCE 7-16 SUPPL 3, TABLE 11.4-1

☐ DESIGN BASED ON SITE CLASS SPECIFIC GROUND MOTION HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16
SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S_{DS}, SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION
CGS APPROVAL REQUIRED
NOT ELIGIBLE FOR OTC REVIEW
SITE CLASS: ☐ C ☐ D

S_{DS} = 2/3 Fa Ss = 0.543 ≤ 2.0
Cs = 1.6 USED IN DESIGN
SEISMIC DESIGN CATEGORY: ☐ D ☐ E

CODE ANALYSIS			
OCCUPANCY GROUP	OCCUPANT LOAD FACTOR	TOTAL OCCUPANT LOAD	SHADE STRUCTURE AREA (ft²)
A-3	15	46	690

SITE SPECIFIC PARAMETERS

MANUFACTURER:

USA SHADE & FABRIC STRUCTURES
2580 ESTERS BOUVLEVARD, SUITE 100
DFW AIRPORT, TEXAS 75261
PH. 800-966-5005
W. www.usa-shade.com

ARCHITECT:

HIGGINSON ARCHITECTS, INC.
DAVID HIGGINSON, AIA, PRINCIPAL ARCHITECT
34247 YUCAIPA BOULEVARD, SUITE D
YUCAIPA, CALIFORNIA 92399
PH. 909-499-0058
E. dhigginson@higginsonarchitects.com
W. www.higginsonarchitects.com

LICENSED ARCHITECT DAVID HIGGINSON C19168 10-31-25 RENEWAL DATE STATE OF CALIFORNIA

8/19/24

STRUCTURAL ENGINEER:

MARK LOWE, S.E.
c/o USA SHADE AND FABRIC STRUCTURES

REGISTERED PROFESSIONAL ENGINEER MARK ALBERT LOWE No. 3693 STRUCTURAL STATE OF CALIFORNIA

8/23/2024

ARCHITECT / ENGINEER

✓	SHEET NO.	SHEET DESCRIPTION	UNIT STRUCTURE TYPE	MAX. UNIT SIZE	UNIT MODEL NUMBER
X	T-1.0	TITLE SHEET			
X	T-2.0	UNIT SELECTION			
X	T-3.0	T&I FORMS			
	1.1-1000	PRODUCT INFORMATION	HIP	20' x 30' x 15'	DSA4012030-22
	1.2-2000	REACTIONS	HIP	20' x 30' x 15'	DSA4012030-22
	2.1-1000	PRODUCT INFORMATION	HIP	30' x 30' x 15'	DSA4013030-22
	2.2-2000	REACTIONS	HIP	30' x 30' x 15'	DSA4013030-22
	3.1-1000	PRODUCT INFORMATION	HIP	30' x 40' x 15'	DSA4013040-22
	3.2-2000	REACTIONS	HIP	30' x 40' x 15'	DSA4013040-22
	4.1-1000	PRODUCT INFORMATION	HIP	40' x 40' x 15'	DSA4014040-22
	4.2-2000	REACTIONS	HIP	40' x 40' x 15'	DSA4014040-22
	5.1-1000	PRODUCT INFORMATION	HIP	20' x 30' x 12'	DSA401203012-22
	5.2-2000	REACTIONS	HIP	20' x 30' x 12'	DSA401203012-22
	6.1-1000	PRODUCT INFORMATION	HIP	30' x 30' x 12'	DSA401303012-22
	6.2-2000	REACTIONS	HIP	30' x 30' x 12'	DSA401303012-22
	7.1-1000	PRODUCT INFORMATION	HIP	30' x 40' x 12'	DSA401304012-22
	7.2-2000	REACTIONS	HIP	30' x 40' x 12'	DSA401304012-22
	8.1-1000	PRODUCT INFORMATION	HIP (20 psf SNOW LOAD)	20' x 30' x 15'	DSA401S2030-22
	8.2-2000	REACTIONS	HIP (20 psf SNOW LOAD)	20' x 30' x 15'	DSA401S2030-22
	9.1-1000	PRODUCT INFORMATION	JOINED HIPS	VARIES	DSA401J-22
	9.2-1001	DETAILS	JOINED HIPS	VARIES	DSA401J-22
	9.3-2000	REACTIONS	JOINED HIPS	VARIES	DSA401J-22
	10.1-1000	PRODUCT INFORMATION	QUAD JOINED HIPS	VARIES	DSA401Q-22
	10.2-1001	DETAILS	QUAD JOINED HIPS	VARIES	DSA401Q-22
	10.3-2000	REACTIONS	QUAD JOINED HIPS	VARIES	DSA401Q-22
	11.1-1000	PRODUCT INFORMATION	FULL CANTILEVER HIP SINGLE	20' x 30' x 15'	DSA2022030-22
	11.2-2000	REACTIONS	FULL CANTILEVER HIP SINGLE	20' x 30' x 15'	DSA2022030-22
	12.1-1000	PRODUCT INFORMATION	FULL CANTILEVER HIP JOINED	20' x 200' x 15'	DSA3022060-22
	12.2-2000	REACTIONS	FULL CANTILEVER HIP JOINED	20' x 200' x 15'	DSA3022060-22
	13.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID	14' x 14' x 12'	DSA1031414-22
	13.2-2000	REACTIONS	SINGLE POST PYRAMID	14' x 14' x 12'	DSA1031414-22
	14.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID	20' x 20' x 12'	DSA1032020-22
	14.2-2000	REACTIONS	SINGLE POST PYRAMID	20' x 20' x 12'	DSA1032020-22
	15.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID CANTILEVER	14' x 14' x 12'	DSA1241414-22
	15.2-2000	REACTIONS	SINGLE POST PYRAMID CANTILEVER	14' x 14' x 12'	DSA1241414-22
	16.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID CANTILEVER	20' x 20' x 12'	DSA1242020-22
	16.2-2000	REACTIONS	SINGLE POST PYRAMID CANTILEVER	20' x 20' x 12'	DSA1242020-22
	17.1-1000	PRODUCT INFORMATION	MARINER PEAK	30' x 30' x 15'	DSA4073030-22
	17.2-2000	REACTIONS	MARINER PEAK	30' x 30' x 15'	DSA4073030-22
	18.1-1000	PRODUCT INFORMATION	MARINER PEAK	30' x 40' x 18'	DSA4073040-22
	18.2-2000	REACTIONS	MARINER PEAK	30' x 40' x 18'	DSA4073040-22
	19.1-1000	PRODUCT INFORMATION	MARINER PEAK JOINED	30' x 133' x 15'	DSA407J3060-22
	19.2-2000	REACTIONS	MARINER PEAK JOINED	30' x 133' x 15'	DSA407J3060-22
	20.1-1000	PRODUCT INFORMATION	MARINER PEAK QUAD	60' x 60' x 15'	DSA407Q6060-22
	20.2-2000	REACTIONS	MARINER PEAK QUAD	60' x 60' x 15'	DSA407Q6060-22
	21.1-1000	PRODUCT INFORMATION	TRI TRUSS HIP SINGLE WIDE	20' x 30' x 15'	DSA2062030-22
	21.2-2000	REACTIONS	TRI TRUSS HIP SINGLE WIDE	20' x 30' x 15'	DSA2062030-22
	22.1-1000	PRODUCT INFORMATION	TRI TRUSS HIP JOINED	20' x 200' x 15'	DSA3052060-22
	22.2-2000	REACTIONS	TRI TRUSS HIP JOINED	20' x 200' x 15'	DSA3052060-22
	23.1-1000	PRODUCT INFORMATION	TENSION SAILS THREE POINT	30' x 133' x 15'	DSA30730-22
	23.2-2000	REACTIONS	TENSION SAILS THREE POINT	30' x 133' x 15'	DSA30730-22
	24.1-1000	PRODUCT INFORMATION	TENSIONS SAILS FOUR POINT	20' x 200' x 15'	DSA4182020-22
	24.2-2000	REACTIONS	TENSIONS SAILS FOUR POINT	20' x 200' x 15'	DSA4182020-22
	25.1-1000	PRODUCT INFORMATION	TENSIONS SAILS FOUR POINT	30' x 133' x 15'	DSA4183030-22
	25.2-2000	REACTIONS	TENSIONS SAILS FOUR POINT	30' x 133' x 15'	DSA4183030-22
	26.1-1000	PRODUCT INFORMATION	TRIANGLE	25' x 25' x 15'	DSA30125-22
	26.2-2000	REACTIONS	TRIANGLE	25' x 25' x 15'	DSA30125-22
X	27.1-1000	PRODUCT INFORMATION	TRIANGLE	40' x 40' x 15'	DSA30140-22
X	27.2-2000	REACTIONS	TRIANGLE	40' x 40' x 15'	DSA30140-22
	28.1-1000	PRODUCT INFORMATION	HEXAGON	Ø40' X 15'	DSA60340-22
	28.2-2000	REACTIONS	HEXAGON	Ø40' X 15'	DSA60340-22
	29.1-1000	PRODUCT INFORMATION	HEXAGON	Ø60' X 15'	DSA60360-22
	29.2-2000	REACTIONS	HEXAGON	Ø60' X 15'	DSA60360-22

TOTAL SHEET COUNT: 63 SHEETS

SHEET INDEX

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123501 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN

USASHADE & Fabric Structures®
CORPORATE HEADQUARTERS
2580 ESTERS BLVD. SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Lodi Unified S.D.

PROJECT NAME:
Lodi Middle School

LOCATION:
945 S. Ham Lane
Lodi, CA 95242

MODEL NUMBER:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123501 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 12/11/2024

STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE:
D

PRE-CHECK (PC) DOCUMENT
Code : 2022 CBC
A separate project application for construction is required.

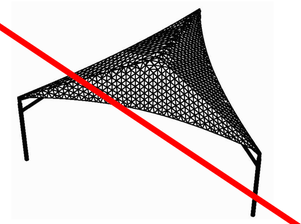
Eng. By :	DWH	8/19/23
Design By :	DWH	8/19/23
Approved By :	DWH	8/19/23

DRAWING DESCRIPTION:

DWG. TITLE SHEET

SHEET T-1.0

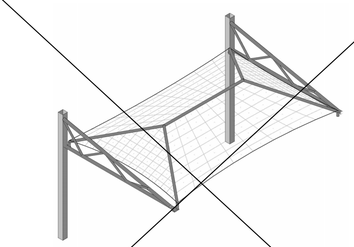
REV.



	STRUCTURE MODEL:	DSA30125-22	SEE SHEET 26.1-1000
	MAX. SIZE:	25' x 25' x 15'	
	MAX. AREA:	271 SQ. FT.	
	MAX. OCCUPANCY:	18 PERSONS	
X	STRUCTURE MODEL:	DSA30140-22	SEE SHEET 27.1-1000
	MAX. SIZE:	40' x 40' x 15'	
	MAX. AREA:	692 SQ. FT.	
	MAX. OCCUPANCY:	46 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

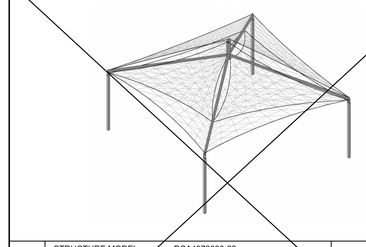
TRIANGLE



	STRUCTURE MODEL:	DSA2062030-22	SEE SHEET 21.1-1000
	MAX. SIZE:	20' x 30' x 15'	
	MAX. AREA:	600 SQ. FT.	
	MAX. OCCUPANCY:	40 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

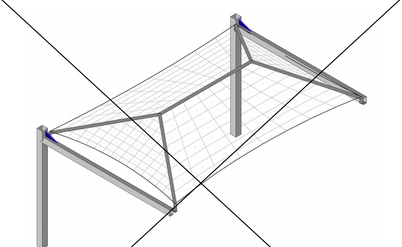
TRI-TRUSS HIP SINGLE WIDE



	STRUCTURE MODEL:	DSA4073030-22	SEE SHEET 17.1-1000
	MAX. SIZE:	30' x 30' x 15'	
	MAX. AREA:	900 SQ. FT.	
	MAX. OCCUPANCY:	60 PERSONS	
	STRUCTURE MODEL:	DSA4073040-22	SEE SHEET 18.1-1000
	MAX. SIZE:	30' x 40' x 15'	
	MAX. AREA:	1,200 SQ. FT.	
	MAX. OCCUPANCY:	80 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

MARINER PEAK



	STRUCTURE MODEL:	DSA2022030-22	SEE SHEET 11.1-1000
	MAX. SIZE:	20' x 30' x 15'	
	MAX. AREA:	600 SQ. FT.	
	MAX. OCCUPANCY:	40 PERSONS	

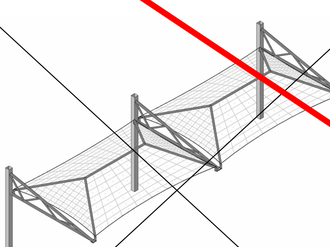
FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

FULL CANTILEVER HIP SINGLE

	STRUCTURE MODEL:	DSA60340-22	SEE SHEET 28.1-1000
	MAX. SIZE:	040' x 15'	
	MAX. AREA:	1,040 SQ. FT.	
	MAX. OCCUPANCY:	69 PERSONS	
	STRUCTURE MODEL:	DSA60360-22	SEE SHEET 29.1-1000
	MAX. SIZE:	060' x 15'	
	MAX. AREA:	2,338 SQ. FT.	
	MAX. OCCUPANCY:	156 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

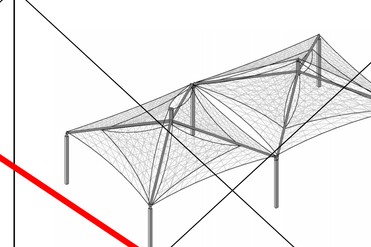
HEXAGON



	STRUCTURE MODEL:	DSA3052060-22	SEE SHEET 22.1-1000
	MAX. SIZE:	20' x 200' x 15'	
	MAX. AREA:	4,000 SQ. FT.	
	MAX. OCCUPANCY:	266 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

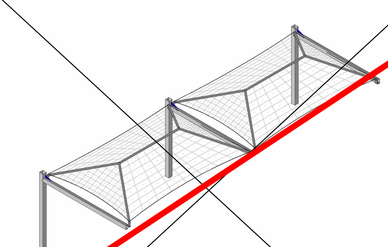
TRI-TRUSS HIP JOINED



	STRUCTURE MODEL:	DSA4073J3060-22	SEE SHEET 19.1-1000
	MAX. SIZE:	30' x 130' x 15'	
	MAX. AREA:	3,990 SQ. FT.	
	MAX. OCCUPANCY:	266 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

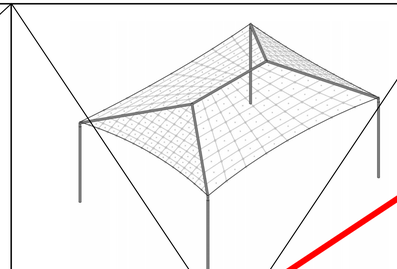
MARINER PEAK JOINED



	STRUCTURE MODEL:	DSA3022060-22	SEE SHEET 12.1-1000
	MAX. SIZE:	20' x 200' x 15'	
	MAX. AREA:	4,000 SQ. FT.	
	MAX. OCCUPANCY:	266 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

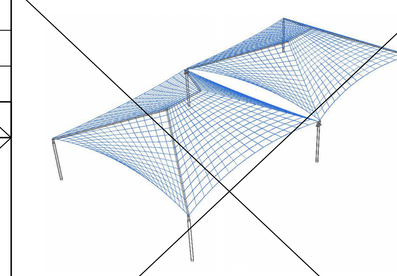
FULL CANTILEVER HIP JOINED



	STRUCTURE MODEL:	DSA4012030-22	SEE SHEET 1.1-1000
	MAX. SIZE:	20' x 30' x 15'	
	MAX. AREA:	600 SQ. FT.	
	MAX. OCCUPANCY:	40 PERSONS	
	STRUCTURE MODEL:	DSA4013030-22	SEE SHEET 2.1-1000
	MAX. SIZE:	30' x 30' x 15'	
	MAX. AREA:	900 SQ. FT.	
	MAX. OCCUPANCY:	60 PERSONS	
	STRUCTURE MODEL:	DSA4013040-22	SEE SHEET 3.1-1000
	MAX. SIZE:	30' x 40' x 15'	
	MAX. AREA:	1,200 SQ. FT.	
	MAX. OCCUPANCY:	80 PERSONS	
	STRUCTURE MODEL:	DSA4014040-22	SEE SHEET 4.1-1000
	MAX. SIZE:	40' x 40' x 15'	
	MAX. AREA:	1,600 SQ. FT.	
	MAX. OCCUPANCY:	106 PERSONS	
	STRUCTURE MODEL:	DSA401203012-22	SEE SHEET 5.1-1000
	MAX. SIZE:	20' x 30' x 12'	
	MAX. AREA:	600 SQ. FT.	
	MAX. OCCUPANCY:	40 PERSONS	
	STRUCTURE MODEL:	DSA401303012-22	SEE SHEET 6.1-1000
	MAX. SIZE:	30' x 30' x 12'	
	MAX. AREA:	900 SQ. FT.	
	MAX. OCCUPANCY:	60 PERSONS	
	STRUCTURE MODEL:	DSA401304012-22	SEE SHEET 7.1-1000
	MAX. SIZE:	30' x 40' x 12'	
	MAX. AREA:	1,200 SQ. FT.	
	MAX. OCCUPANCY:	80 PERSONS	
	STRUCTURE MODEL:	DSA401S2030-22 (20 psf SNOW LOAD)	SEE SHEET 8.1-1000
	MAX. SIZE:	20' x 30' x 15'	
	MAX. AREA:	600 SQ. FT.	
	MAX. OCCUPANCY:	40 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

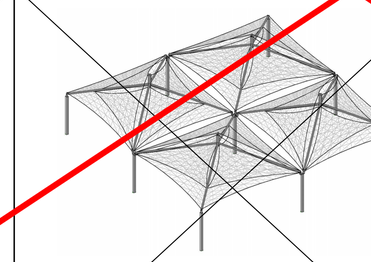
HIP



	STRUCTURE MODEL:	DSA401J-22	SEE SHEET 9.1-1000
	MAX. SIZE:	VARIES, SEE JOINED HIP UNIT SHEET	
	MAX. AREA:	VARIES	
	MAX. OCCUPANCY:	VARIES	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

JOINED HIP



	STRUCTURE MODEL:	DSA30730-22	SEE SHEET 23.1-1000
	MAX. SIZE:	30' x 133' x 15'	
	MAX. AREA:	3,990 SQ. FT.	
	MAX. OCCUPANCY:	266 PERSONS	

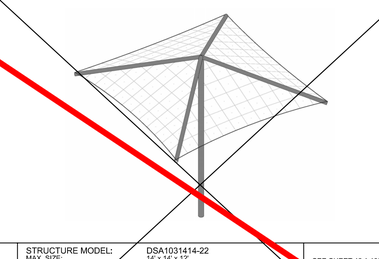
FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

TENSIONS SAILS THREE-POINT

	STRUCTURE MODEL:	DSA407Q8060-22	SEE SHEET 20.1-1000
	MAX. SIZE:	60' x 60' x 15'	
	MAX. AREA:	3,600 SQ. FT.	
	MAX. OCCUPANCY:	240 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

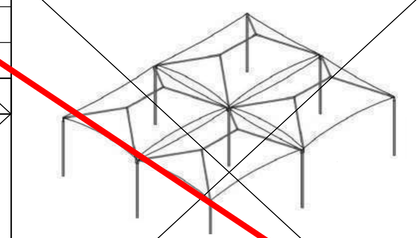
MARINER PEAK QUAD



	STRUCTURE MODEL:	DSA1031414-22	SEE SHEET 13.1-1000
	MAX. SIZE:	14' x 14' x 12'	
	MAX. AREA:	196 SQ. FT.	
	MAX. OCCUPANCY:	13 PERSONS	
	STRUCTURE MODEL:	DSA1032020-22	SEE SHEET 14.1-1000
	MAX. SIZE:	20' x 20' x 12'	
	MAX. AREA:	400 SQ. FT.	
	MAX. OCCUPANCY:	26 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

SINGLE POST PYRAMID

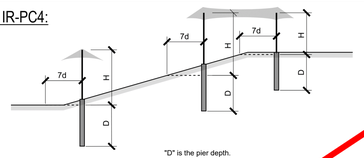


	STRUCTURE MODEL:	DSA401Q-22	SEE SHEET 10.1-1000
	MAX. SIZE:	VARIES, SEE QUAD HIP UNIT SHEET	
	MAX. AREA:	VARIES	
	MAX. OCCUPANCY:	VARIES	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

QUAD HIP

PER IR-PC4:



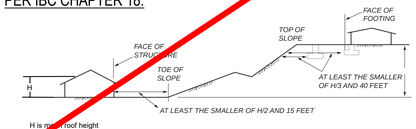
"D" is the pier depth.

"d" is the pier diameter.

"7d" is the horizontal plane projected from 7 times d.

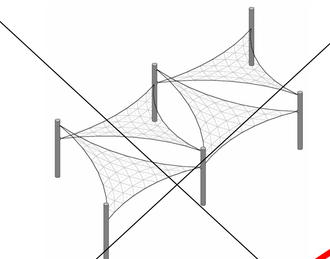
"H" is the theoretical column height (column height plus part of projected height)

PER IBC CHAPTER 18:



H is mean roof height

PC SLOPE DESIGN PARAMETERS



	STRUCTURE MODEL:	DSA4182020-22	SEE SHEET 24.1-1000
	MAX. SIZE:	20' x 200' x 15'	
	MAX. AREA:	4,000 SQ. FT.	
	MAX. OCCUPANCY:	266 PERSONS	
	STRUCTURE MODEL:	DSA4183030-22	SEE SHEET 25.1-1000
	MAX. SIZE:	30' x 133' x 15'	
	MAX. AREA:	3,990 SQ. FT.	
	MAX. OCCUPANCY:	266 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

TENSIONS SAILS FOUR-POINT

NOT USED

	STRUCTURE MODEL:	DSA1241414-22	SEE SHEET 15.1-1000
	MAX. SIZE:	14' x 14' x 12'	
	MAX. AREA:	196 SQ. FT.	
	MAX. OCCUPANCY:	13 PERSONS	
	STRUCTURE MODEL:	DSA1242020-22	SEE SHEET 16.1-1000
	MAX. SIZE:	20' x 20' x 12'	
	MAX. AREA:	400 SQ. FT.	
	MAX. OCCUPANCY:	26 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

SINGLE POST PYRAMID CANTILEVER

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN

USASHADE & Fabric Structures®
CORPORATE HEADQUARTERS
2580 ESTERS BLVD. SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:

IAS CERTIFICATION No: FA-428

CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:

Lodi Unified S.D.

PROJECT NAME:

Lodi Middle School

LOCATION:

945 S. Ham Lane
Lodi, CA 95242

MODEL NUMBER:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123501 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☒ CG ☐
DATE: 12/11/2024

STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE:

D

PRE-CHECK (PC) DOCUMENT
Code : 2022 CBC
A separate project application for construction is required.

Eng. By :	DWH	8/19/23
Design By :	DWH	8/19/23
Approved By :	DWH	8/19/23

DRAWING DESCRIPTION:

DWG.

UNIT SELECTION

SHEET T-3.0

REV.

LICENSED ARCHITECT
DAVID HIGGINSON
C19168
10-31-25
RENEWAL DATE
STATE OF CALIFORNIA
8/19/24

REGISTERED PROFESSIONAL ENGINEER
MARK ALBERT LOWE
No. 3693
STRUCTURAL
STATE OF CALIFORNIA
8/23/2024

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

General

Application Number: 04-123501
DSA File Number: PC-140
School Name: PCC FABRIC SHADE STRUCTURES
Increment Number:
School District: USA SHADE AND FABRIC STRUCTURES
Date Created: 2024-08-06 15:16:59

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections required on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

****NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required **Periodic –** Indicates that a periodic special inspection is required **Test –** Indicates that a test is required	**GE (Geotechnical Engineer) –** Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. **LOR (Laboratory of Record) –** Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) program. See CAC Section 4-335. **PI (Project Inspector) –** Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. **SI (Special Inspection) –** Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8

Application Number: 04-123501
DSA File Number: PC-140
School Name: PCC FABRIC SHADE STRUCTURES
Increment Number:
School District: USA SHADE AND FABRIC STRUCTURES
Date Created: 2024-08-06 15:16:59

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report

S1. GENERAL:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	**a.** Verify that: • Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. • Foundation excavations are extended to proper depth and have reached proper material. • Materials below footings must not contain loose material, mud, organic silt, organic clays, or peat.	**See Notes**	**PI**	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations and/or within the building envelope is not permitted without a geotechnical report.

S2. SOIL COMPACTION AND FILL: see T&I Note #7 for additional information

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**a.** Perform classification and testing of fill materials.	**Test**	**LOR***	* Under the supervision of the geotechnical engineer.
☐	**b.** Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	**Continuous**	**LOR***	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
☐	**c.** Compaction testing.	**Test**	**LOR***	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.

S3. DRIVEN DEEP FOUNDATIONS (PILES):

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**a.** Verify pile materials, sizes and lengths comply with the requirements.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8

Application Number: 04-123501
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Increment Number:
School District: USA SHADE AND FABRIC STRUCTURES
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	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**b.** Determine capacities of test piles and conduct additional load tests as required.	**Test**	**LOR***	* Under the supervision of the geotechnical engineer.
☐	**c.** Inspect driving operations and maintain complete and accurate records for each pile.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**d.** Verify locations of piles and their plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and record any pile damage.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**e.** Steel piles.	Provide tests and inspections per STEEL section below.		
☐	**f.** Concrete piles and concrete filled piles.	Provide tests and inspections per CONCRETE section below.		
☐	**g.** For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.	*	*	* As defined on drawings or specifications.

S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS): see T&I Note #8 for additional information

	Test or Special Inspection	Type	Performed By	Code References and Note
☑	**a.** Inspect drilling operations and maintain complete and accurate records for each pier.	**Continuous**	**PI**	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	**b.** Verify pier locations, diameters, plumbness and lengths.Record concrete or grout volumes.	**Continuous**	**PI**	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	**c.** Concrete piers.	Provide tests and inspections per CONCRETE section below.		

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8

Application Number: 04-123501
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School Name: PCC FABRIC SHADE STRUCTURES
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S5. RETAINING WALLS:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**a.** Placement, compaction and inspection of backfill.	**Continuous**	**GE***	**1705A.6.1.** * By geotechnical engineer or his or her qualified representative. (See section S2 above).
☐	**b.** Placement of soil reinforcement and/or drainage devices.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**c.** Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative. See DSA IR 18-2.
☐	**d.** Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.		
☐	**e.** Masonry retaining walls.	Provide tests and inspections per MASONRY section below.		

S6. OTHER SOILS:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**a.** Soil improvements	**Test**	**GE***	Submit a comprehensive report documenting final soil improvements constructed, construction observations, and the results of the confirmation testing and analysis to DSA (California Geological Survey) for final acceptance. * By geotechnical engineer or his or her qualified representative.
☐	**b.** Inspection of Soil Improvements	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**c.**			

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

Application Number: 04-123501
DSA File Number: PC-140
School Name: PCC FABRIC SHADE STRUCTURES
Increment Number:
School District: USA SHADE AND FABRIC STRUCTURES
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C1. CAST-IN-PLACE CONCRETE

	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	**a.** Verify use of required design mix.	**Continuous**	**SI**	**Table 1705A.3 Item 5, 1910A.1.**
☑	**b.** Identify, sample, and test reinforcing steel.	**Test**	**LOR**	**1910A.2;** ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	**c.** During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	**Test**	**LOR**	**Table 1705A.3 Item 6**; ACI 318-19 Sections 26.5 & 26.12.
☑	**d.** Test concrete (f'c).	**Test**	**LOR**	**1905A.1.17;** ACI 318-19 Section 26.12.
☑	**e.** Batch plant inspection: **Not Required**	**See Notes**	**SI**	Default of '**Continuous**' per **1705A.3.3**. If approved by DSA, batch plant inspection may be reduced to '**Periodic**' subject to requirements in Section **1705A.3.3.1.**, or not required per **1705A.3.3.2.** See IR 17-13. (See Appendix (end of this form) for exemptions.)
☐	**f.** Welding of reinforcing steel.	Provide special inspection per STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.		

C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**a.** Sample and test prestressing tendons and anchorages.	**Test**	**LOR**	**1705A.3.4, 1910A.3**
☐	**b.** Inspect placement of prestressing tendons.	**Periodic**	**SI**	**1705A.3.4, Table 1705A.3 Items 1 & 9.**

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

Application Number: 04-123501
DSA File Number: PC-140
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	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**c.** Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	**Periodic**	**SI**	**Table 1705A.3 Item 13.** Special inspector to verify specified concrete strength test prior to stressing.
☐	**d.** Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	**Continuous**	**SI**	**1705A.3.4, Table 1705A.3 Item 9**; ACI 318-19 Section 26.13 Appendix (end of this form) for exemptions.)

C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**a.** Inspect fabrication of precast concrete members.	**Continuous**	**SI**	ACI 318-19 Section 26.13, and PCI MNL-128 and -130.
☐	**b.** Inspect erection of precast concrete members.	**Periodic**	**SI***	**Table 1705A.3 Item 10.** * May be performed by PI when specifically approved by DSA.
☐	**c.** For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: 1. Installation of the embedded parts 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	**Continuous**	**SI**	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5
☐	**d.** Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	**Periodic**	**SI**	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

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C4. SHOTCRETE (IN ADDITION TO SECTION C1):

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**a.** Inspect shotcrete placement for proper application techniques.	**Continuous**	**SI**	**1705A.3.9, Table 1705A.3 Item 7, 1908A.1, 1908A.2, 1908A.3.** See ACI 506.2-13 Section 3.4, ACI 506R-16.
☐	**b.** Sample and test shotcrete (f'c).	**Test**	**LOR**	**1908A.2, 1705A.3.9**

C5. POST-INSTALLED ANCHORS:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**a.** Inspect installation of post-installed anchors	**See Notes**	**SI***	**1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8** (See Appendix (end of this form) for exemptions). ACI 318-19 Section 26.13. * May be performed by the project inspector when specifically approved by DSA.
☐	**b.** Test post-installed anchors.	**Test**	**LOR**	**1910A.5.** (See Appendix (end of this form) for exemptions.)

C6. OTHER CONCRETE:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**a.**			

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123501
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S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES

	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	**a.** Verify identification of all materials and: •Mill certificates indicate material properties that comply with requirements. •Material sizes, types and grades comply with requirements.	**Periodic**	*	**Table 1705A.2.1 Item 3a–3c**, 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	**b.** Test unidentified materials	**Test**	**LOR**	**2202A.1.**
☑	**c.** Examine seam welds of HSS shapes	**Periodic**	**SI**	DSA IR 17-3.
☑	**d.** Verify and document steel fabrication per DSA-approved construction documents.	**Periodic**	**SI**	Not applicable to cold-formed steel light-frame construction, except for trusses (**1705A.2.4**).
☐	**e.** Buckling restrained braces.	**Test**	**LOR**	Testing and special inspections in accordance with IR 22-4.

S/A2. HIGH-STRENGTH BOLTS: see Testing Matrix table for additional information

	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	**a.** Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	**Periodic**	**SI**	**Table 1705A.2.1 Items 1a & 1b, 2202A.1;** AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
☑	**b.** Test high-strength bolts, nuts and washers.	**Test**	**LOR**	**Table 1705A.2.1 Item 1c, 2213A.1**; RCSC 2014 Section 7.2; DSA IR 17-8.
☑	**c.** Bearing-type ("snug tight") connections.	**Periodic**	**SI**	**Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2**; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9
☑	**d.** Pretensioned and slip-critical connections.	*	**SI**	**Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2;** AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9 **"Continuous" or "Periodic" depends on the tightening method used.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

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S/A3. WELDING:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	**a.** Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	**Periodic**	**SI**	**1705A.2.5, Table 1705A.2.1 Items 4 & 5**; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☑	b. Verify weld filler material manufacturer's certificate of compliance.	**Periodic**	**SI**	DSA IR 17-3.
☑	**c.** Verify WPS, welder qualifications and equipment.	**Periodic**	**SI**	DSA IR 17-3.

S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):

	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	**a.** Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Continuous**	**SI**	**Table 1705A.2.1 Items 5a.1–4;** AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	**Periodic**	**SI**	**1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6;** AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☐	**c.** Inspect welding of stairs and railing systems.	**Periodic**	**SI**	**1705A.2.1**; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
☐	**d.** Verification of reinforcing steel weldability other than ASTM A706.	**Periodic**	**SI**	**1705A.3.1**; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	**e.** Inspect welding of reinforcing steel.	**Continuous**	**SI**	**Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8;** AWS D1.4; DSA IR 17-3.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123501
DSA File Number: PC-140
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Increment Number:
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S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**a.** Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Continuous**	**SI**	**Table 1705A.2.1 Items 5a.1–4;** AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	b. Inspect single-pass fillet welds ≤ 5/16".	**Periodic**	**SI**	**Table 1705A.2.1 Item 5a.5;** AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	**c.** Inspect end-welded studs (ASTM A-108) installation (including bend test).	**Periodic**	**SI**	**2213A.2**; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
☐	**d.** Inspect floor and roof deck welds.	**Periodic**	**SI**	**1705A.2.2, Table 1705A.2.1 Item 5a.6;** AISC 360-16 (AISC 341-16 as applicable); AWS D1.3 DSA IR 17-3.
☐	**e.** Inspect welding of structural cold-formed steel.	**Periodic**	**SI***	**1705A.2.5; AWS D1.3, Table IR 17-3.** The quality control provisions of AISI S240-20 Chapter F shall also apply. * May be performed by the project inspector when specifically approved by DSA.
☐	**f.** Inspect welding of stairs and railing systems.	**Periodic**	**SI***	**1705A.2.1**; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
☐	**g.** Verification of reinforcing steel weldability.	**Periodic**		**1705A.3.1**; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	**h.** Inspect welding of reinforcing steel.	**Continuous**	**SI**	**Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8;** AWS D1.4; DSA IR 17-3.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

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Increment Number:
School District: USA SHADE AND FABRIC STRUCTURES
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S/A6. NONDESTRUCTIVE TESTING:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**a.** Ultrasonic	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	**b.** Magnetic Particle	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	**c.**	**Test**	**LOR**	

S/A7. STEEL JOISTS AND TRUSSES:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**a.** Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	**Continuous**	**SI**	**1705A.2.3, Table 1705A.2.3;** AWS D1.1; D1.2; D1.3 for steel joists only. **1705A.2.4;** AWS D1.3 for cold-formed steel trusses.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123501
DSA File Number: PC-140
School Name: PCC FABRIC SHADE STRUCTURES
Increment Number:
School District: USA SHADE AND FABRIC STRUCTURES
Date Created: 2024-08-06 15:16:59

S/A8. SPRAYED FIRE-RESISTANT MATERIALS:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**a.** Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents.	**Periodic**	**SI**	**1705A.15, 1705A.15.1, 1705A.15.2, 1705A.15.3, 1705A.15.4, 1705A.15.5, 1705A.15.6.**
☐	**b.** Test density.	**Test**	**LOR**	**1705A.15.1, 1705A.15.5, ASTM E605**
☐	**c.** Bond strength adhesion/cohesion.	**Test**	**LOR**	**1705A.15.1, 1705A.15.6, ASTM E736**

S/A9. ANCHOR BOLTS AND ANCHOR RODS: see T&I Note #9 for additional information

	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	**a.** Anchor Bolts and Anchor Rods	**Test**	**LOR**	Identify, sample and test anchor bolts and anchor rods **not** meeting exemptions identified in Section 1 of IR 17-11.
☑	**b.** Threaded rod not used for foundation anchorage.	**Test**	**LOR**	Identify, sample and test threaded rods **not** meeting exemptions identified in Section 1 of IR 17-11.

S/A10. STORAGE RACK SYSTEMS:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**a.** Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.	**Periodic**	**SI**	Table 1705A.13.7
☐	**b.** Fabricated storage rack elements.	**Periodic**	**SI**	1704A.2.5; Table 1705A.13.7

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123501
DSA File Number: PC-140
School Name: PCC FABRIC SHADE STRUCTURES
Increment Number:
School District: USA SHADE AND FABRIC STRUCTURES
Date Created: 2024-08-06 15:16:59

S/A11. Other Steel

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**a.**			

GENERAL DSA-103 NOTES:

1. THE SAMPLE DSA-103 FORM PROVIDED ON THIS SHEET IS FOR ILLUSTRATIVE PURPOSES ONLY TO ASSIST IN THE COMPLETION OF SPECIFIC DSA-103 FORMS FOR FUTURE PROJECTS.
2. A CURRENT DSA-103 FORM IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS P.C. DOCUMENT IS BEING INCORPORATED INTO AND ALL SAMPLE DSA-103 SHEETS ARE TO BE CROSSED OUT ON THIS SHEET

TESTING AND INSPECTION NOTES:

1. THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE SELECTED BY THE SCHOOL DISTRICT AND APPROVED BY DSA AND THE ARCHITECT OF RECORD.
2. THE SITE PROJECT INSPECTOR SHALL BE CLASS 2. IF THE TOTAL AREA OF THE SHADE STRUCTURE(S) IS LESS THAN 2,000 SQ. FT. WITH NO FIELD WELDING OR HIGH-STRENGTH FASTENERS THEN THE SITE PROJECT INSPECTOR MAY BE A CLASS 3.
3. THE COSTS OF THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE BORN BY THE SCHOOL DISTRICT.
4. COPIES OF THE VERIFIED REPORTS SHALL BE SENT TO DSA, THE ARCHITECT, THE SCHOOL DISTRICT, THE CONTRACTOR, AND THE PROJECT INSPECTOR.
5. THE IN-PLANT INSPECTOR SHALL BE A WELDING SPECIAL INSPECTOR FOR MATERIAL VERIFICATION AND WELDING.
6. PER 2022 CBC, SECTION 1705A.3.3, BATCH PLANT INSPECTION MAY BE WAIVED WHEN THE FOLLOWING REQUIREMENTS ARE MET:
   - 6.1. A LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
   - 6.2. BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY THE TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR OF RECORD SHALL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, IT'S LOAD, TIME OF RECEIPT AT THE JOBSITE, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND SHALL MAINTAIN A COPY OF THE DAILY RECORD AS REQUIRED BY THE ENFORCING AGENCY.
7. INCLUDE SECTION S2 - SOIL COMPACTION AND FILL WHEN OVER-EX AND RE-COMPACTING OCCURS.
8. S4 - CAST-IN-PLACE DEEP FOUNDATIONS (PIERS): NOT REQUIRED IF SPREAD FOOTING OPTION IS CHOSEN.
9. S/A9 - ANCHOR BOLT AND ANCHOR ROD: NOT REQUIRED IF EMBEDDED BASE PLATE OPTION IS CHOSEN.

HIGH-STRENGTH BOLTS (S/A2) SPECIAL INSPECTIONS TESTING MATRIX FOR SPECIFIC MODELS

✓	MODEL	SHEET	HIGH STRENGTH BOLTS	PRETENSIONED / SLIP-CRITICAL CONNECTIONS
	DSA2022030-22	11,1-1000	YES	-
	DSA3022060-22	12,1-1000	YES	-
	DSA1031414-22	13,1-1000	YES	YES
	DSA1032020-22	14,1-1000	YES	YES
	DSA1241414-22	15,1-1000	YES	YES
	DSA1242020-22	16,1-1000	YES	YES
	DSA2062030-22	21,1-1000	YES	-
	DSA3052060-22	22,1-1000	YES	-

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN

USA S

GENERAL NOTES

1.- SPECIAL INSPECTION REQUIREMENTS SHALL FOLLOW THE ATTACHED SAMPLE TEST AND INSPECTION LIST (T & I LIST) APPROVED BY DSA. THE SHOP WELDING INSPECTION SHALL INCLUDE WELDING OF ALL STEEL MEMBERS AND IDENTIFICATION OF STEEL THROUGH MILL CERTIFICATE OR MATERIAL TESTING, UNCERTIFIED STEEL SHALL BE TESTED TO THE REQUIREMENTS OF CBC 2022 CHAPTER 17A. THE FIELD SPECIAL INSPECTION SHALL INCLUDE COMPRESSION CYLINDER TESTS FOR THE CONCRETE FOUNDATION.

2.- STRUCTURE SHALL BE IN THE LOCATION SHOWN ON THE SITE SPECIFIC DSA APPLICATION DRAWING.

3.- FOUNDATION DESIGN BASED ON CBC 2022, TABLE 1806A.2, SOIL CLASS 5 (ALLOWABLE FOUNDATION PRESSURE 1500 PSF)

4.- DESIGN PER FOLLOWING CODES: CBC 2022 (CHAPTER 35), ASCE 7-16, AISC 360-16, AISC 341-16, ACI 318-19, ASCE 55-16 & ASCE 19-16

STRUCTURAL STEEL
1.- FABRICATION OF THE STEEL STRUCTURES SHALL BE PERFORMED BY SHADE STRUCTURES OR AN AUTHORIZED LICENSEE. MATERIAL TESTING (OR MILL CERTIFICATES) AND INSPECTION OF WELDING SHALL BE CONDUCTED PER CBC 2022 SECTIONS 1704A, 1705A, 1705A.2, AND TABLE 1705A.2.1.

2.- ONLY CALIFORNIA LICENSED CONTRACTORS AUTHORIZED BY SHADE STRUCTURES SHALL INSTALL THE SHADE STRUCTURES.

3.- ALL WORK SHALL CONFORM TO CBC 2022 EDITION, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

4.- ALL GALVANIZED STEEL TUBE PRODUCTS MANUFACTURED BY ALLIED TUBE & CONDUIT FOR THIS STRUCTURE SHALL BE, AND CONFORM TO ASTM A500 GRADE C, IN ITS' ENTIRETY.
TYPICAL MECHANICAL PROPERTIES ARE:
ROUND TUBE GRADE C 50,000 PSI YIELD STRESS MINIMUM / 62,000 PSI TENSILE STRESS MINIMUM

5.- ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE C, UNLESS OTHERWISE NOTED. TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR HSS PRODUCTS:
SQUARE AND RECTANGULAR 50,000 PSI YIELD STRESS / 62,000 PSI TENSILE STRESS
ROUND PIPE 50,000 PSI YIELD STRESS / 62,000 PSI TENSILE STRESS

6.- ALL PLATES PRODUCTS SHALL COMPLY WITH ASTM A572 GRADE 50.

7.- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.

8.- ALL WELDING TO CONFORM WITH AMERICAN WELDING SOCIETY STANDARDS AND SHALL BE INSPECTED BY AN AWS/CWI INSPECTOR. AWS D1.1 FOR HOT ROLLED. AWS D1.3 FOR SHEET/COLD FORMED. AWS D1.8 SEISMIC SUPPLEMENT.

9.- ALL FULL PENETRATION WELD SHALL BE CONTINUOUSLY INSPECTED PER AWS D1.1 & D1.8.

10.- SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" ER70SX ELECTRODES UNLESS OTHERWISE NOTED. GMAW IS ACCEPTABLE.

11.- ALL STAINLESS STEEL BOLTS SHALL COMPLY WITH ASTM F-593, YIELD STRENGTH= 45 KSI, TENSILE STRENGTH= 85 KSI MINIMUM, ALLOY GROUP 2, CONDITION CW2. ALL NUTS SHALL COMPLY WITH ASTM F-594 ALLOY GROUP 2, CONDITION CW2. REFERRING TO RCSC, ASTM F-593 IS NOT CONSIDERED AS HIGH STRENGTH BOLTS. BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION (ST).

12.- ALL STRUCTURAL STEEL (ITEMS FROM NOTE 5) SHALL BE POWDER COATED WITH ONE SHOP COAT (2.5 MILS MIN.) OF ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT, OR EQUIVALENT PAINT SYSTEM. THIS COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TGIC (MANUFACTURED BY SHERWIN WILLIAMS, ASKO NOBEL, PPG OR TIGER DRYLAC). TO ACHIEVE OPTIMUM ADHESION, IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS:
- PENCIL HARDNESS (ASTM D-3363). - HUMIDITY (ASTM D-2247).
- SOLVENT RESISTANCE (PCI METHOD) - 50 DBL RUBS SL. SOFTNESS.

13.- ALL STEEL ROUND TUBING (ITEMS FROM NOTE 4) SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS. TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.

14.- ALL EXPOSED STEEL FASTENERS SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT DIP GALVANIZED (ASTM A153, CLASS D MINIMUM OR ASTM F2329) AS APPLICABLE, OR PROTECTED WITH CORROSION PREVENTIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST IN MINIMUM 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT.

CONCRETE SPECIFICATION
1.- CONCRETE SHALL BE SAMPLED AND TESTED PER CBC 2022 SECTION 1903A & SHALL BE INSPECTED PER SECTION 1903A.

2.- CONCRETE TO BE F'c= 4500 PSI, TYPE V CEMENT PLUS POZZOLAN OR SLAG CEMENT, MAXIMUM WATER/CEMENT RATIO OF 0.45, PER ACI 318-19 CHAPTER 19. (NO ADMIXTURES CONTAINING CALCIUM CHLORIDE WILL BE USE :

3.- ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 36 (GALVANIZED PER ASTM A153, CLASS D MINIMUM OR ASTM F2329).
ANCHOR BOLT'S DIAMETER NEEDS TO BE AS FOLLOW:
A) ANCHOR BOLT Ø1 1/4"

4.- CERTIFIED MILL TEST REPORTS ARE TO BE PROVIDED FOR EACH SHIPMENT OF REINFORCEMENT.

5.- ALL NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 5000 PSI, AND SHALL COMPLY THE REQUIREMENTS OF ASTM C109, ASTM C939, ASTM C1090, ASTM C1107, WHEN APPLICABLE.

6.- CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES SHALL BE AIR ENTRAINED PER ACI 318 SECTION 19.3.

FABRIC SPECIFICATION
1.- FABRIC SHALL BE MANUFACTURED BY MULTIKNIT LTD., WHICH MEETS THE SPECIFICATIONS LISTED ON PAGE 2000, AND SHALL BE FABRICATED FROM POLYETHYLENE MATERIALS. MINIMUM SEAM LENGTH 3/4".

2.- THE FABRIC SHALL RETAIN 80% OF ITS TENSILE AND TEARING STRENGTH AFTER ULTRAVIOLET EXPOSURE PER ASTM G53 USING A 313 NM LIGHT SOURCE FOR 500 HOURS WHILE MOISTENED FOR 1 HOUR EVERY 12 HOURS.

3.- PROVIDE CERTIFICATION BY MANUFACTURER AND STATE FIRE MARSHAL TO SCHOOL'S DISTRICT INSPECTOR OF RECORD AT SITE SPECIFIC INSTALLATION. COPY OF FIRE CERTIFICATION SHALL BE SENT TO DSA.

4.- FABRIC SHALL REQUIRE ANNUAL INSPECTION AND MAINTENANCE BY THE DISTRICT. FIRE TEST ON FABRIC: NFPA 701 TEST 2 AND ASTM E 84 EXTENDED 30 MINUTES TEST: FLAME SPREAD INDEX (FSI): 10. SMOKE DEVELOPED INDEX (SDI): 50. FABRIC IS ACCEPTABLE FOR USE IN WILDLIFE URBAN INTERFACE AREA.

5.- FABRIC TOP NEEDS TO BE REMOVED IF SNOW EXCEEDING 5 PSF ARE ANTICIPATED, FABRIC TOP NEEDS TO BE REMOVED IF WINDS EXCEEDING 115 MPH ARE ANTICIPATED.

6.- A VISUAL INSPECTION LOOKING FOR TEAR AND ABNORMAL WEAR IN FABRIC MATERIAL AND THREAD IS REQUIRED PRIOR TO RE-INSTALLATION. USA SHADE & FABRIC STRUCTURES SHALL BE NOTIFIED IF SIGNIFICANT DAMAGE IS PRESENT BEFORE RE-INSTALLATION.

AIRCRAFT CABLE
1.- FOR FABRIC ATTACHMENT USE 3/8" 7x19 GALV. CABLE PER ASTM A1023/A1023M, WITH A BREAKING STRENGTH VALUE OF 14,400 LBS. CABLE SHALL BE TENSIONED TO 300 LBS MINIMUM AND 500 LBS MAXIMUM. THE MAXIMUM CALCULATED CABLE ALLOWABLE CAPACITY IS Sa=4909 LB.

2.- CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTING VISITS AS REQUIRED.

MAXIMUM OCCUPANT LOAD (PER CBC 2022 TABLE 1604A.5)
-I-2: 250 PERSONS
-PUBLIC ASSEMBLY: 300 PERSONS
-EDUCATIONAL OCCUPANCIES ABOVE 12TH GRADE: 500 PERSONS

CBC PC DESIGN NOTES

BUILDING CODE	CBC 2022 (BASED ON IBC 2021)
FLOOR LIVE LOAD	N/A
ROOF LIVE LOAD	RLL 5 PSF

ALLOWABLE SOIL PRESSURE:
DL + LL (CONC FTG) 1500 PSF
DL + LL + SEISMIC (CONC FTG) 1500 PSF
LATERAL BEARING DESIGN VALUE 100 PSF/FT BELOW NATURAL GRADE, PER TABLE 1806A.2

TWO TIMES THE TABULAR VALUE IS USED (200 PSF/FT) PER CBC SECTION 1806A.3.4.
ALLOWABLE PIER FRICTIONAL RESISTANCE 250 PSF MAXIMUM BASED ON SECTION 1810A.3.3.1.4 (ONE-SIXTH OF THE BEARING VALUE).
UPLIFT FRICTIONAL RESISTANCE HAVE A SAFETY FACTOR OF 3.

ROOF SNOW LOAD	5 PSF
ICE LOAD	ZERO PSF
FLOOD HAZARD AREA	ZONE X

WHEN A SITE SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A SOILS ENGINEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED IN THE PC ARE STILL APPLICABLE.

WIND DESIGN DIRECTIONAL PROCEDURE: ASCE 7-16, SECTION 27.3.2
NOTE: WIND DESIGN IS LIMITED TO UNOBSTRUCTED CLEAR FLOW CONDITION

-BASIC DESIGN WIND SPEED (3 SEC GUST)	V	115 MPH
-ASD WIND LOAD (CBC 2022 SEC. 1603A.1.4)	V_{ASD}	90 MPH
-WIND EXPOSURE FACTOR	C	
-TOPOGRAPHIC FACTOR	Kzt	1
-RISK CATEGORY	II	
-VELOCITY PRESSURE EXPOSURE COEFFICIENT	Kz	0.89
-VELOCITY PRESSURE	qz	25.61 PSF

SEISMIC DESIGN
-SITE CLASS D
NOTE: UNLESS A SITE-SPECIFIC GROUND MOTION HAZARD ANALYSIS IS PERFORMED, THE SM1 VALUE INCREASED BY 50% SHALL BE LESS THAN THE DESIGN CRITERIA STATED HEREIN.

	SS	3.00g
	S1	1.389g
-SPECTRAL RESPONSE COEFFICIENTS	SDS	2.00
	SD1	1.39

-LATERAL FORCE RESISTING SYSTEM G.2 ORDINARY CANTILEVERED COLUMN SYSTEM.

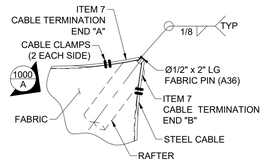
-SEISMIC IMPORTANCE FACTOR	Ie	1.0
-DESIGN BASE SHEAR AT BASE	V	3874 LB
-SEISMIC RESPONSE COEFFICIENTS	Cs	1.6
-RESPONSE MODIFICATION FACTOR	R	1.25
-ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE	
-RISK CATEGORY	II	
-SEISMIC DESIGN CATEGORY		E
-SITE COEFFICIENT CATEGORY	Fa	1.2
	Fv	1.5
-REDUNDANCY FACTOR	ρ	1.3

GEOHAZARD REPORT IS NOT REQUIRED FOR OPEN FABRIC STRUCTURES 1,600 SQF OR LESS COMPLYING WITH THE REQUIREMENTS OF IR A-4 SECTION 3.1.1. OPEN FABRIC SHADE STRUCTURES GREATER THAN 1,600 SQUARE FEET UP TO A MAXIMUM OF 4,000 SQUARE FEET AND COMPLYING WITH THE REQUIREMENTS NOTED IN IR A-4 SECTION 3.1.1 DO NOT REQUIRE A GEOHAZARD REPORT PROVIDED A GEOTECHNICAL REPORT INDICATES THAT NO LIQUEFACTION POTENTIAL EXISTS.

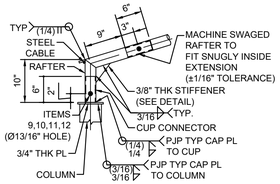
ARCHITECT OF RECORD TO DETERMINE IF SPECIFIC SITE IS IN GEOLOGIC HAZARD ZONE. GEOHAZARD REPORT REQUIREMENTS PER DSA IR A-4.

PC OPTIONS SHALL NOT INCLUDE LIQUEFIABLE SOIL (EXCEPTION: OPEN FABRIC SHADE STRUCTURES 1,600 SQUARE FEET OR LESS COMPLYING WITH REQUIREMENTS OF IR A-4 SECTION 3.1.1). IF STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND REGULAR PROJECT SUBMITTAL IS REQUIRED. IF SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY BE PRESUMED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD.

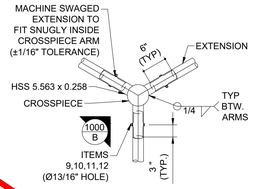
MINIMUM FOUNDATION SETBACK LIMIT IN ADJACENT SLOPE: THE DEPTH OF REQUIRED PIER EMBEDMENT SHALL START FROM AN ELEVATION THAT CORRESPONDS WITH A HORIZONTAL CLEAR DISTANCE OF 17'-6" FEET THAT INTERSECT WITH THE SLOPE (DAYLIGHTING). IF SETBACK LIMITS ARE SMALLER THAN CBC REQUIRES, A SITE-SPECIFIC SOILS REPORT IS REQUIRED.



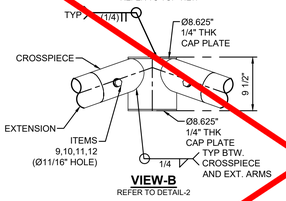
DETAIL 1
REFER TO TOP VIEW



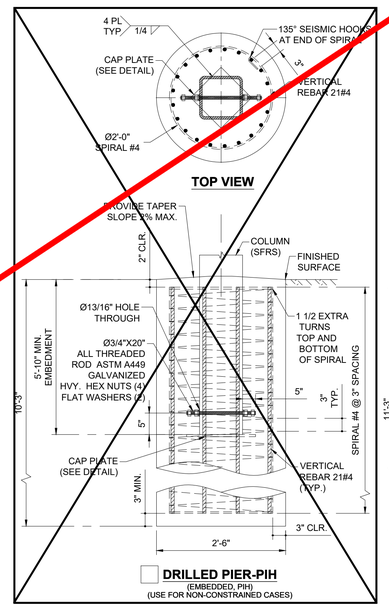
VIEW-A
REFER TO DETAIL-1

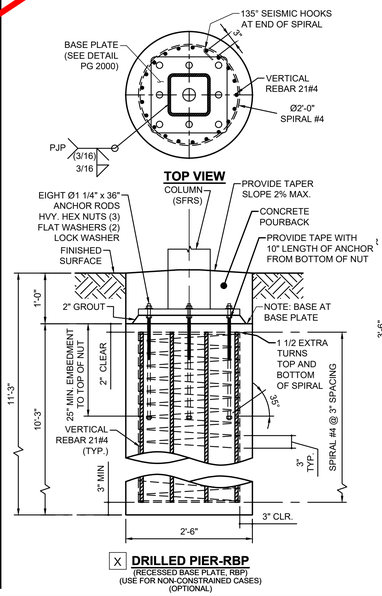


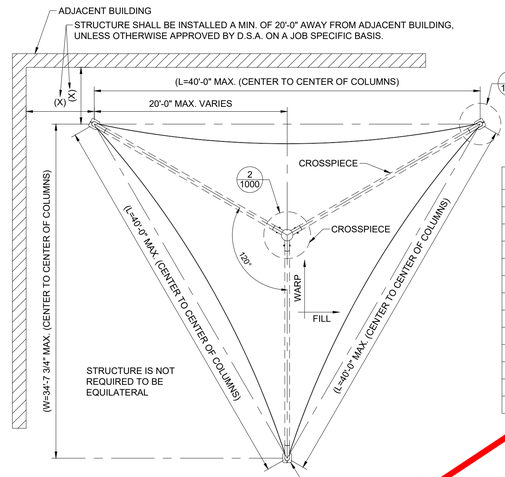
DETAIL-2
REFER TO TOP VIEW



VIEW-B
REFER TO DETAIL-2



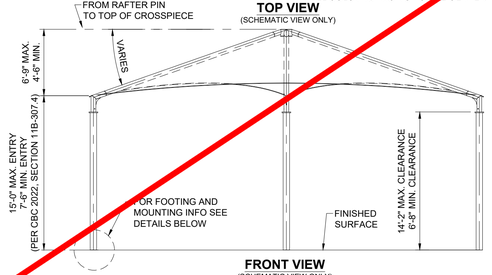




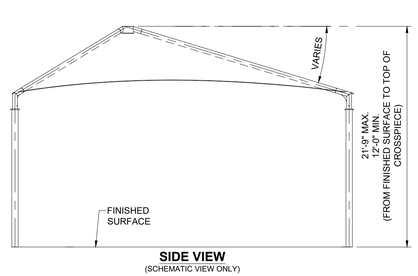
TOP VIEW
(SCHEMATIC VIEW ONLY)

LIST OF MATERIALS

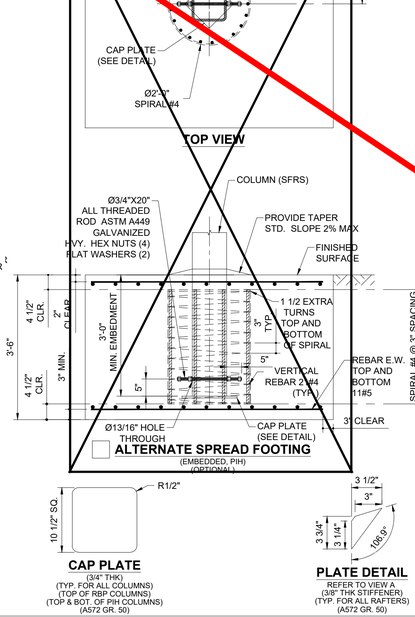
ITEM	QTY	DESCRIPTION	MATERIAL
1	3	COLUMN	HSS 10.0 x 10.0 x 0.250
2	3	CUP CONNECTOR (6" LG)	HSS 5.5[illegible] x 0.375
3	3	RAFTER	HSS 5.563 x 0.258
4	3	EXTENSION	HSS 5.563 x 0.258
5	1	CROSSPIECE	HSS 8.625 x 0.322
6	1	FABRIC TOP	FR COLOURSHADE 190/F5
7	1	Ø3/8" CABLE	GALVANIZED STEEL
8	4	Ø3/8" CABLE CLAMP	GALVANIZED STEEL
9	9	Ø3/4"-10NC x 7" HEX BOLT (ST)	316 SS
10	9	Ø3/4"-10NC HEX NUT	316 SS
11	9	Ø3/4" SPLIT LOCK WASHER	316 SS
12	9	Ø3/4" FLAT WASHER	316 SS

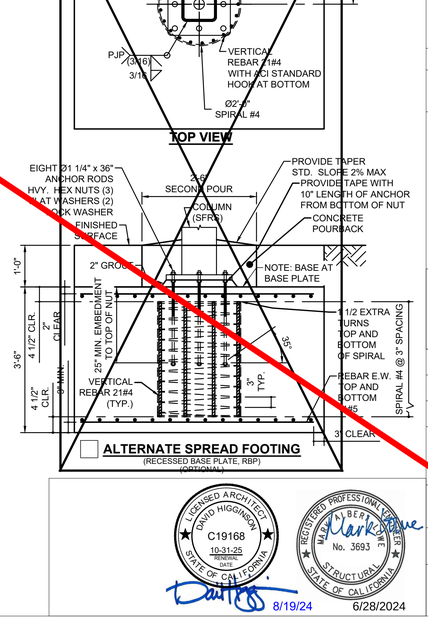


FRONT VIEW
(SCHEMATIC VIEW ONLY)



SIDE VIEW
(SCHEMATIC VIEW ONLY)





LICENSED ARCHITECT DAVID HIGGINSON C19168 10-31-25 RENEWAL 04/10 STATE OF CALIFORNIA — 8/19/24

REGISTERED PROFESSIONAL ENGINEER MARK N. BERTOLINO No. 3693 STRUCTURAL STATE OF CALIFORNIA — 6/28/2024

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123501 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☒ CG ☐
DATE: 12/11/2024

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

USASHADE & Fabric Structures
CORPORATE HEADQUARTERS
2580 ESTERS BLVD. SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Lodi Unified S.D.

PROJECT NAME:
Lodi Middle School

LOCATION:
945 S. Ham Lane
Lodi, CA 95242

MODEL NUMBER:
DSA30140-22

STRUCTURE TYPE:
TRIANGLE
DSA

SIZE: MAXIMUM
40' x 40' x 40' x 15'e MAX.

SCALE : NONE

DRAWING SIZE:
D

PRE-CHECK (PC) DOCUMENT
Code : 2022 CBC
A separate project application for construction is required.

Eng. By :	HH	12/01/22
Design By :	OS	12/01/22
Approved By :	MB	12/01/22

DRAWING DESCRIPTION:
PRODUCT INFORMATION

DWG. **DSA30140-22**

SHEET **27.1-1000**

REV. **NC**

190/F5 Fire rated specifications

Standard range

Revision 0 28-Oct-12

Colour	Shade %	UV Block %	Average GSM	Average Warp break strength kgs	Average Elongation %	Average Weft break strength kgs	Average Elongation %	Average Burst Kpa	Average Burst to Mass ratio
Desert Sand	80	92	185	50	40	72	73	156	0.84
Blue	80	85	185	50	40	72	73	156	0.84
Brown	85		185	50	40	72	73	156	0.84
Green	80	85	185	50	40	72	73	156	0.84
Red	80	86	185	50	40	72	73	156	0.84
Silver	80	81	185	50	40	72	73	156	0.84
Terracotta	75	82	185	50	40	72	73	156	0.84
Yellow	80	89	185	50	40	72	73	156	0.84
				110 LB		159 LB		3258 PSF	

CONVERSION TO IMPERIAL UNITS:
185 GSM = .0378 psf
50 KGS = 110 Lb
72 KGS = 159 Lb
156 Kpa = 3258 psf

Notes:
- 190/F5 conforms to The California State Fire Marshal Title 19 Test for Small scale Fabrics
- Tear tests are done using a 50mm wide strip and a cross head speed of 50.0mm/min
- This report has been compiled using the mean results from all tests conducted on the given sample by our Quality Control Laboratory. the information provided is considered to be a good reflection of the relevant properties of the fabric tested. These results must only be used as an indication of the quality and characteristics of the fabric tested.
Company cannot be held responsible or liable in any way whatsoever should this information differ to that of a registered testing institution.

PP
Deon Joubert
General Manager - Multiknit (Pty) Ltd

Tommy Rogers
Managing Director - Multiknit (Pty) Ltd

FLAME RETARDANT

Fabric Registration

LICENSE NUMBER: F-094501

EXTRA BLOCK SHADECLOTH

Product Marketed by:

ALNET PTY (LTD)
MOORSOM AVENUE, EPPING, INDUSTRY II
CAPE TOWN, S. AFRICA, ,

Issue Date : 03/25/2024
Expiration Date : 06/30/2025

This product meets the minimum requirements of flame resistance established by the California State Fire Marshal for products identified in Section 13115, California Health and Safety Code. The scope of the approved use of this product is provided in the current edition of the CALIFORNIA APPROVED LIST OF FLAME RETARDANT CHEMICALS AND FABRICS, GENERAL AND LIMITED APPLICATIONS CONCERNS published by the California State Fire Marshal.

Issued By Cortney Walker
Fire Engineering License Manager
Fire Engineering & Investigations Division

Reviewed and Approved By Patricia Setter
Deputy State Fire Marshal III
Fire Engineering & Investigations Division

OFFICE OF THE STATE FIRE MARSHAL

Please visit calfire.govmotus.org for more information on Licensing and Permitting with CAL FIRE

Page 1 of 1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123910 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/11/2025

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

USASHADE & Fabric Structures
CORPORATE HEADQUARTERS
2580 ESTERS BLVD. SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Lodi Unified S.D.

PROJECT NAME:
Lodi Middle School

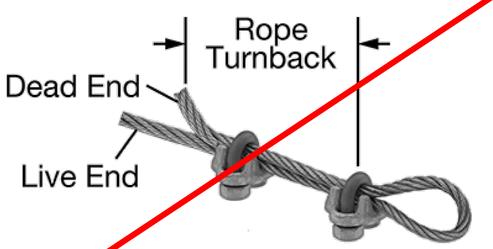
LOCATION:
945 S. Ham Lane
Lodi, CA 95242

MODEL NUMBER:
DSA30140-22

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123501 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 12/11/2024

FORGED WIRE ROPE CLAMP

FITTING TYPE ROPE CLAMP
FABRICATION: FORGED
MATERIAL: GALVANIZED STEEL
FOR WIRE ROPE DIAMETER 3/8"
NUMBER OF CLAMPS REQUIRED: 2
ROPE TURNBACK: 6 1/2"
FOR WIRE ROPE CONSTRUCTION 7 × 19
ATTACHMENT TYPE: LOOP
CLAMP:WIDTH 2", HEIGHT 1 15/16", THICKNESS 1 11/16"
REQUIRED INSTALLATION TOOL TORQUE WRENCH
REQUIRED TORQUE 45 FT.-LBS.
CAPACITY 80% OF THE ROPE'S CAPACITY
SPECIFICATIONS MET ASME B30.26, FED. SPEC. FF-C-450



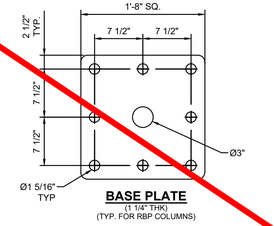
Aircraft Cable

Preformed, made in accordance with commercial specifications military and federal specification rope available.

Carbon Steel (Aircraft Cable) - Galvanized cable has the highest strength and greatest fatigue life of the materials offered. It has good to fair corrosion resistance in rural to industrial atmosphere environments. This material is most widely used for small diameter cables. Tin over galvanized cable offers greater corrosion resistance and reduced friction over pulleys.

7 x 19

7 x 19 Dia. (In)	Approx. Wt 1000 Ft/lbs	Galvanized Min. Breaking Strengths (lbs)
3/32	17.	1,000
1/8	29.	2,000
5/32	45.	2,800
3/16	65.	4,200
7/32	86.	5,600
1/4	110.	7,000
9/32	139.	8,000
5/16	173.	9,800
3/8	243.	14,400



BASE PLATE
(1 1/4" THK)
(TYP. FOR RBP COLUMNS)

LICENSED ARCHITECT
DAVID HIGGINSON
C19168
10-31-25
RENEWAL DATE
STATE OF CALIFORNIA
8/19/24

REGISTERED PROFESSIONAL ENGINEER
MARK BERTERO
No. 3693
STRUCTURAL
STATE OF CALIFORNIA
6/28/2024

STRUCTURE TYPE:
TRIANGLE
DSA

SIZE: **MAXIMUM**
40' x 40' x 40' x 15'e MAX.

SCALE : NONE

DRAWING SIZE: **D**

PRE-CHECK (PC) DOCUMENT
Code : 2022 CBC
A separate project application for construction is required.

Eng. By :	HH	12/01/22
Design By :	OS	12/01/22
Approved By :	MB	12/01/22

DRAWING DESCRIPTION:
SPECIFICATIONS

DWG. **DSA30140-22**

SHEET **27.2-2000**

REV. **NC**

MODERNIZATION
LODI MIDDLE SCHOOL
945 S HAM LANE
LODI, CA 95242

ABBREVIATIONS

&	And	E.	East	K.P.	Kickplate	S.	South
L	Angle	(E)/EXST.	Existing	KIT.	Kitchen	S.D.	Soap Dispenser
@	At	EA.	Each				
℄	Centerline	E.J.	Expansion Joint	LAM.	Laminate	SECT.	Section
Ø	Diameter	EL.	Elevation	LAV.	Lavatory	SHR.	Shower
⊥	Perpendicular	ELEC.	Electrical	LKR.	Locker	SHT.	Sheet
#	Pound or Number	EMER.	Emergency	LT.WT.	Light Weight	SHTG.	Sheeting
℄	Plate	ENCL.	Enclosure	L.V.	Louver Vent	SIM.	Similar
		EQ.	Equal			S.M.	Sheet Metal
A.C.	Asphalt Concrete	EQPT.	Equipment	MAX.	Maximum	SHT.M.S.	Sheet Metal Screw
ACOUS.	Acoustical	E.W.C.	Electric Water Cooler	M.B.	Machine Bolt	S.N.D.	Sanitary Napkin Dispenser
A.D.	Area Drain	EXP.	Expansion	MAT'L.	Material	S.N.R.	Sanitary Napkin Receptacle
ADJ.	Adjustable	EXT.	Exterior	MECH.	Mechanical	SPEC.	Specification
ALUM./AL.	Aluminum			MEMB.	Membrane	SQ.	Square
A.F.F.	Above Finished Floor	F.A.	Fire Alarm	MEZZ.	Mezzanine	S.R.V.	Semi Rigid Vinyl
AGGR.	Aggregate	F.B.	Fiberboard	MFR.	Manufacturer	S.SK.	Service Sink
ARCH.	Architectural	F.D.	Floor Drain	MH.	Manhole	SST	Stainless Steel
ASPH.	Asphalt	FDN.	Foundation	MIN.	Minimum	ST.	Street
AUTO.	Automatic	F.E.	Fire Extinguisher	MIR.	Mirror	STD.	Standard
A.V.	Auto Visual	F.F.E.	Finish Floor Elevation	MISC.	Miscellaneous	STL.	Steel
		F.H.M.B.	Flat Head Machine Bolt	M.R.	Moisture Resistant	STOR.	Storage
B	Bolt	F.H.M.S.	Flat Head Machine Screw	MTD.	Mounted	STRL.	Structural
BD.	Board	FIN.	Finish	MET.	Metal	SUSP.	Suspended
BLDG.	Building	FL.	Floor			SYM.	Symmetrical
BLK.	Block	F.L.	Fusible Link	(N)	New	SHT.VNL.	Sheet Vinyl
BLKG.	Blocking	FLASH'G	Flashing	N.	North		
BM.	Beam	F.O.C.	Face of Concrete/Curb	N.I.C.	Not in Contract	T.	Toilet
BOT.	Bottom	F.O.F.	Face of Finish	NO./#	Number	TB.	Tackboard
B.S.	Both Sides	F.O.S.	Face of Studs	NOM.	Nominal	T.B.	Towel Bar
		F.R.P.	Fiberglass Reinforced Plastic	N.T.S.	Not to Scale	T.&G.	Tongue & Groove
CAB.	Cabinet	F.S.	Full Size			TEL.	Telephone
C.B.	Catch Basin	FT.	Foot/Feet	O/	Over	THK.	Thick
CB.	Chalkboard	FTG.	Footing	O.A.	Overall	THRES.	Threshold
CEM.	Cement	FURR.	Furring	OBS.	Obscure	THRU.	Through
CER.	Ceramic	FUT.	Future	O.C.	On Center	T.O.C.	Top of Curb
C.G.	Corner Guard			O.D.	Outside Diameter	T.O.P.	Top of Pavement
C.I.	Cast Iron	GA.	Gauge	O.H.	Opposite Hand	T.O.W.	Top of Wall
C.J.	Construction Join/Control Joint	GALV.	Galvanized	OFF.	Office	T.P.D.	Toilet Paper Dispenser
C.L.	Chain Link	G.B.	Grab Bar			TYP.	Typical
CLG.	Ceiling	GL.	Glass/Glazing	PRCST.	Precast		
CLKG.	Calking	GND.	Ground	PERF.	Perforated	U.O.N.	Unless Otherwise Noted
CLR.	Clear	GR.	Grade	P.LAM.	Plastic Laminate	UR.	Urinal
C.M.P.	Corrugated Metal Pipe	GYP.	Gypsum	PLAS.	Plaster		
C.M.U.	Concrete Masonry Unit	G.I.	Galvanized Iron	PLYWD.	Plywood	V.C.T.	Vinyl Composition Tile
CNTR.	Counter	G.S.M.	Galvanized Sheet Metal	P.M.	Pressed Metal	VERT.	Vertical
COL.	Column	GYP.	Gypsum	P.M.F.	Pressed Metal Frame	V.F.	Vinyl Fabric
CONC.	Concrete	GYP.BD.	Gypsum Board	PR.	Pair		
CONN.	Connection			P.O.T.	Path of Travel	W.	West W/ With
CONSTR.	Construction	HDR.	Header	PRE-FAB	Prefabricated	W.C.	Water Closet
CONT.	Continuous	HDWD.	Hardwood	PROJ.	Project	WD.	Wood
CORR.	Corridor	HDW.	Hardware	P.T.D.	Paper Towel Dispenser	W.H.	Water Heater
		HOR.	Horizontal	P.T.D./R.	Paper Towel Dispenser Receptacle	W/O	Without
d	Pennyweight (Nails)	H.B.	Hose Bib	PTN.	Partition	WSCT.	Wainscot
D.A.	Designated Accessible	HR.	Hour (Fire Rating)	P.T.R.	Paper Towel Receptacle	W.W.M.	Welded Wire Mesh
DBL.	Double	HGT.	Height			WDW.	Window
DET.	Detail			R.	Riser	WT.	Weight
D.F.	Drinking Fountain	I.D.	Inside Diameter	RAD.	Radius		
D.I.	Drain Inlet	IN.	Inch	R.B.	Rubber Base	YD.	Yard
DIA.	Diameter	INFO.	Information	R.D.	Roof Drain		
DIM.	Dimension	INSUL.	Insulation	R.E.	Rim Elevation		
DIM.PT.	Dimension Point	INT.	Interior	REFR.	Refrigerator		
DN.	Down			RGTR.	Register		
DP.	Deep			REINF.	Reinforced		
D.P.	Damp Proofing	JAN.	Janitor	REQ.	Required		
DR.	Door	JST.	Joist	RET.	Return		
D.S.	Downspout	JT.	Joint	RM.	Room		
DW	Dishwasher			R.O.	Rough Opening		
DWG.	Drawing			RWD.	Redwood		
				R.W.L.	Rain Water Leader		
				R.H.W.S.	Round Head Wood Screw		

SYMBOL LEGEND

SHEET NUMBERING SYSTEM
Discipline Designation
Drawing Type Designation
Sheet Number
A2.6.A — Building Designation

ROOM NAME and NUMBER REFERENCE
WOMEN — Room Name
A103 — Room Number
32 OCC. — Occupancy Load

KEYNOTE REFERENCE
2200.A7.05

SHEET NOTE REFERENCE
SN.01

DETAIL REFERENCE
X — Detail Number
AXXX — Sheet Number

SECTION REFERENCE
X — Section Number
AXXX — Sheet Number

STOREFRONT, WINDOW OR LOUVER REFERENCE
EA — Windows Covering Reference
X — H=HORIZONTAL BLINDS V=VERTICAL BLINDS D=DARKENING DRAPES

DOOR REFERENCE
A101

CEILING TYPE REFERENCE
C2

WALL TYPE REFERENCE
C2

EXTERIOR FINISH REFERENCE
A

PAINT COLOR REFERENCE
PC1

STRUCTURAL GRID INDICATOR
(Center of Framing)
A

STRUCTURAL GRID INDICATOR
(Face of Framing)
3

MATCH LINE

CENTERLINE

PROPERTYLINE

WORK POINT, CONTROL POINT OR DATUM

INTERIOR ELEVATION REFERENCE
4.5, 1.5, 2, 4, A5.1.A, 3.5, 2.5
1 — INTERIOR ELEVATION
2 — DETAIL NUMBER
A5.1.A — SHEET NUMBER

WINDOW (PLAN VIEW)

REVISION
Revision Number

RADIUS
R=92'-4" (1)
Radius Point Number
Radius Dimension

CASEWORK REFERENCE
221A

METAL SHELVING REFERENCE
MS1

LABORATORY CASEWORK REFERENCE
39

MUSIC CASEWORK REFERENCE
39

ACOUSITICAL PANEL REFERENCE
AP1

SIGN REFERENCE
S2

OCCUPANCY REFERENCE
28 Occ. — Number of Occupants Exiting
36 — Min. Exit Width Required (inches)

ENCROACHMENT PERMIT

THE FOLLOWING WORK IS A CONDITION OF THE BUILDING PERMIT AND SHALL BE DONE PRIOR TO OCCUPANCY UNDER THE TERMS OF AN ENCROACHMENT PERMIT. CONTRACTOR IS RESPONSIBLE FOR APPLYING FOR AND OBTAINING ENCROACHMENT PERMITS WITH THE CITY OF LODI.

1. INSTALLATION OF 8-INCH FIRE WATER SERVICE.
2. INSTALLATION OF 3-INCH DOMESTIC WATER SERVICE.

PROJECT TEAM

OWNER
LODI UNIFIED SCHOOL DISTRICT
1305 E. VINE STREET
LODI, CA 95240
CONTACT: JOE PATTY
PHONE: (209) 712-6363
EMAIL: jpatty@lodiusd.net

ARCHITECT
HENRY + ASSOCIATES ARCHITECTS
730 HOWE AVE, SUITE 450
SACRAMENTO, CA 95825
CONTACT: CHRIS SMITH
PHONE: (916) 799-3027
EMAIL: chris@henry-architects.com

STRUCTURAL
GREG RICHARDS, SE
RW CONSULTING ENGINEERS, INC.
1450 HARBOR BLVD., SUITE F
WEST SACRAMENTO, CA 95691
CONTACT: GREG RICHARDS
PHONE: (916) 716-6910
EMAIL: grichards@rwengineers.com

MECHANICAL
CAPITAL ENGINEERING CONSULTANTS, INC.
11020 SUN CENTER DRIVE, SUITE 100
RANCHO CORDOVA, CA 95670
CONTACT: MIKE MINGE
PHONE: (916) 851-3500
EMAIL: mminge@capital-engineering.com

ELECTRICAL
M. NEILS ENGINEERING, INC.
100 HOWE AVENUE, SUITE 235N
SACRAMENTO, CA 95825
CONTACT: SINISHA GLISIC
PHONE: (916) 923-4400
EMAIL: SGlisic@mneilsengineering.com

CIVIL
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762
CONTACT: MARTY GEE
PHONE: (916) 985-1970
EMAIL: marty@wceinc.com

LANDSCAPE
MTW GROUP
2707 K STREET, SUITE 201
SACRAMENTO, CA 95816
CONTACT: BRYAN WALKER
PHONE: (916) 369-3990
EMAIL: bryan@mtwgroup.com

FOOD SERVICE
AMD FOODSERVICE DESIGN
P.O. BOX 166
GARDEN VALLEY, CA 95633
CONTACT: ART DAVIS
PHONE: (530) 333-3890
EMAIL: art@amdfoodservicedesign.com

PROJECT DESCRIPTION

1. PAINTING OF CLASSROOMS AT BUILDINGS C, D AND F.
2. MODERNIZATION OF SCIENCE LAB CLASSROOMS AT BUILDINGS E & F.
3. MODERNIZATION OF TOILET ROOMS AT BUILDINGS D ~~AND F.~~
4. ~~D.A. PATH OF TRAVEL WALKWAY REPLACEMENT THROUGHOUT CAMPUS.~~
5. ~~OVERLAY, SEALING AND RE-STRIPING OF HARDCOURTS.~~
6. ~~EXTENSION OF NEW UTILITIES FOR NEW MODULAR CLASSROOM BUILDING P2.~~
7. ~~CONSTRUCTION OF BUILDING PAD AND SITE IMPROVEMENTS FOR NEW MODULAR CLASSROOM BUILDING P2.~~
8. ~~SEALING OF EXTERIOR BRICK VENEER WAINSCOTING AT ALL BUILDINGS.~~
9. ~~REMOVE EXISTING WALK-IN REFRIGERATOR AND REPLACE WITH NEW WALK-IN REFRIGERATOR/FREEZER AND NEW DRY STORAGE ROOM AT BUILDING A.~~
10. ~~FABRICATION AND INSTALLATION OF NEW MODULAR CLASSROOM BUILDING P2 (INCREMENT 2).~~

PROJECT INCREMENTS

INCREMENT 1:
MODERNIZATION OF EXISTING CLASSROOM BUILDINGS & SITE IMPROVEMENTS AS LISTED IN PROJECT DESCRIPTION ITEMS 1 THROUGH 9 ABOVE.

INCREMENT 2:
FABRICATION AND INSTALLATION OF NEW MODULAR CLASSROOM BUILDING P2 AS LISTED IN PROJECT DESCRIPTION, ITEM 10. ABOVE.

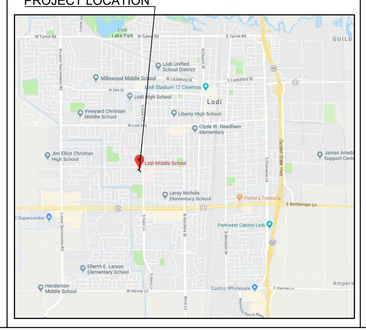
DEFERRED APPROVALS

1. (NONE)

VICINITY MAP

LODI MIDDLE SCHOOL
945 S HAM LANE, LODI, CA 95242

PROJECT LOCATION



MATERIAL LEGEND

EARTH
GRAVEL/AGGREGATE BASE
SAND OR PLASTER
CONCRETE
BLOCKING
FRAMING (CONTINUOUS)
PLYWOOD
WOOD TRIM
STEEL
TILE
BATT INSULATION
BRICK
GYPSUM BOARD
FIRTEX

APPLICABLE CODES

TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
TITLE 24 CCR, PART 1 - 2022 BUILDING STANDARDS ADMINISTRATIVE CODE
TITLE 24 CCR, PART 2 - 2019 CALIFORNIA BUILDING CODE, VOL. 1 & 2 (CBC)
TITLE 24 CCR, PART 3 - 2019 CALIFORNIA ELECTRICAL CODE (CEC)
TITLE 24 CCR, PART 4 - 2019 CALIFORNIA MECHANICAL CODE (CMC)
TITLE 24 CCR, PART 5 - 2019 CALIFORNIA PLUMBING CODE (CPC)
TITLE 24 CCR, PART 6 - 2019 CALIFORNIA ENERGY CODE (CEC)
TITLE 24 CCR, PART 9 - 2019 CALIFORNIA FIRE CODE (CFC)
TITLE 24 CCR, PART 11 - 2019 CALIFORNIA GREEN BUILDING STDS CODE
TITLE 24 CCR, PART 12 - 2019 CALIFORNIA REFERENCED STANDARDS
2016 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)
2016 NFPA 14, INSTALLATION OF STANDPIPE AND HOSE SYSTEMS
2017 NFPA 17, DRY CHEMICAL EXTINGUISHING SYSTEMS
2017 NFPA 17A, WET CHEMICAL EXTINGUISHING SYSTEMS
2016 NFPA 20, INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
2016 NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS
2016 NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED)
2016 NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVE
2015 NFPA 720, INSTALLATION OF CARBON MONOXIDE DETECTION AND WARNING EQUIPMENT
2015 NFPA 2001, CLEAN AGENT FIRE EXTINGUISHING SYSTEMS

CONTRACTOR SHALL KEEP A COPY OF TITLE 24, PARTS 1-5 ON THE SITE AT ALL TIMES.
TITLE 24, PART 1, SECTION 4.317(c):

"THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS A CONSTRUCTION CHANGE DOCUMENT, OR SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH REPAIR WORK."

NOTES:
1. ALL NEW WORK SHALL CONFORM TO THE 2019 EDITION, TITLE 24, CALIFORNIA CODE OF REGULATIONS.
2. CHANGES TO THE STRUCTURAL, ACCESSIBILITY OR FIRE AND LIFE-SAFETY PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS AFTER THE WORK HAS BEEN APPROVED SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT AS REQUIRED IN SECTION 4-338, PART 1, CAC, AND SHALL BE SUBMITTED TO AND APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK. ALL CONSTRUCTION CHANGE DOCUMENTS SHALL BE PREPARED AND SUBMITTED TO DSA IN COMPLIANCE WITH DSA INTERPRETATION OF REGULATIONS IA A-6. CONSTRUCTION CHANGE DOCUMENTS ARE NOT VALID UNTIL APPROVED BY DSA PER SECTION 4-338, PART 1, TITLE 24, AND NO WORK SHALL COMMENCE UNTIL APPROVED BY DSA.
3. A DSA 'CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-343, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)
4. A DSA CERTIFIED INSPECTOR WITH CLASS 3 IS REQUIRED FOR THIS PROJECT (IR A-7)
5. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE OWNER SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
6. GRADING PLANS, DRAINAGE IMPROVEMENT, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
7. ADDENDA SHALL BE APPROVED BY DSA.
8. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDUM, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION PER DSA IR A-6 AND SECTION 338(c) Part 1, Title 24 CCR.

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CS COVER SHEET

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■ DRAWING SET CONTAINS 110 SHEETS ■

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

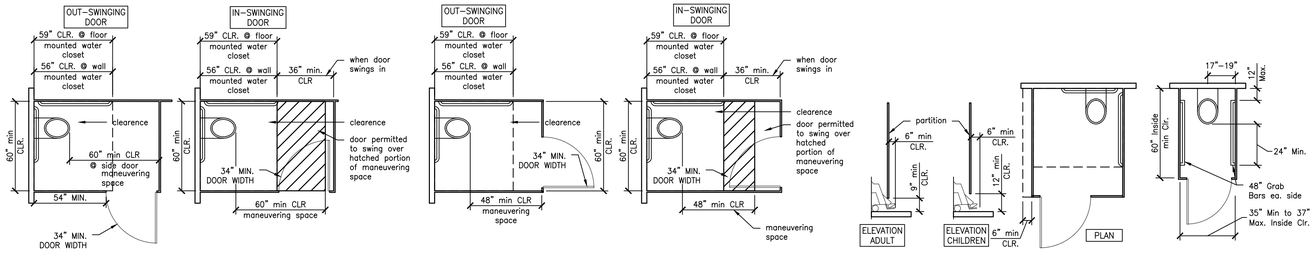
MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

COVER SHEET

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

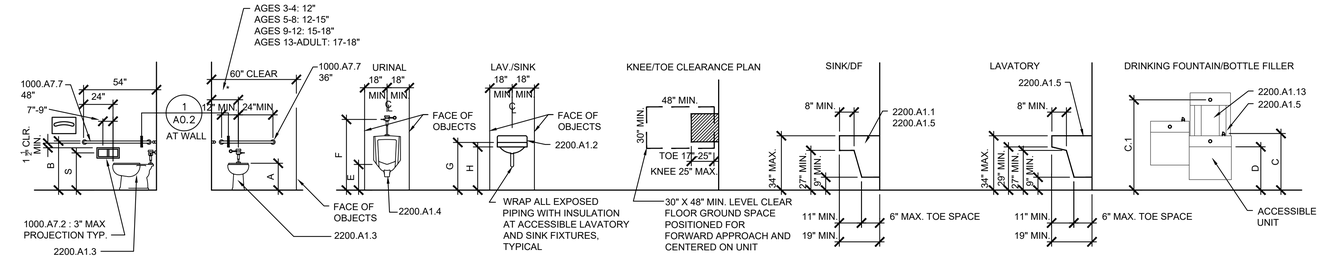
SHEET NO.
CS

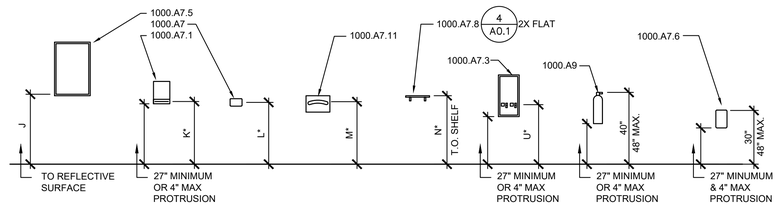


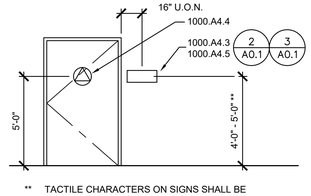
SIDE OPENING | END OPENING | TOE CLEARANCE | AMBULATORY STALL

ACCESSIBLE TOILET STALL

NOTE: "DA" ON PLANS AND ELEVATIONS INDICATES DESIGNATED ACCESSIBLE FIXTURE.







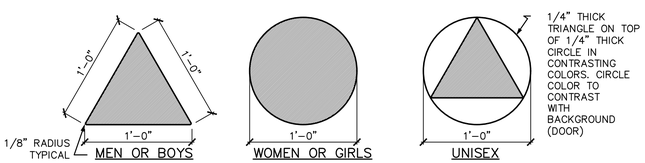
** TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48" MINIMUM ABOVE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60" MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS PER CBC 11B-703.4.1

REACH REQUIREMENTS:

1. Forward Reach: 11B-308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches maximum and the low forward reach shall be 15 inches above the finish floor or ground.
2. Forward Reach: 11B-308.2.2 Obstructed high reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not leass than the required reach depth over the obstruction. The high forward reach shall be 48" maximum wher the reach depth is 20 inches maximum. Where the reach depth exceeds the high forward reach shal be 44" maximum and the reach depth shall be 25 inches maximum
3. Side Reach: 11B308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches maximum and the low side reach shall be 15 inches minimum above the finish floor or ground

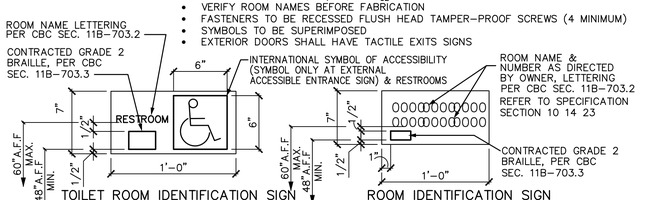
1 FIXTURE and ACCESSORY HEIGHTS/SIGNAGE MOUNTING

N.T.S.



TOILET ROOM DOOR SYMBOLS

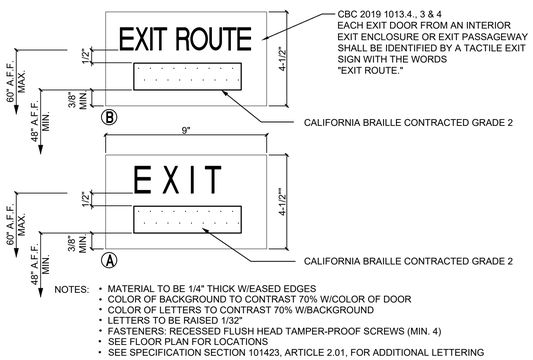
- PROVIDE ADA SIGNS AT ALL ACCESSIBLE TOILET ROOMS
- PROVIDE DIRECTIONAL ISA SIGNS AT INACCESSIBLE TOILET ROOMS DIRECTING TO ACCESSIBLE TOILET ROOMS
- COLOR MATERIAL TO BE ¼" THICK W/ALL EDGES AND VERTICALS EASED PER CBC 11B-703.7.2.6.4
- COLOR OF BACKGROUND TO CONTRAST WITH COLOR OF DOOR
- COLOR OF SYMBOL AND LETTERS TO CONTRAST WITH BACKGROUND
- LETTERS TO BE 1" HIGH, RAISED 1/32"
- VERIFY ROOM NAMES BEFORE FABRICATION
- FASTENERS TO BE RECESSED FLUSH HEAD TAMPER-PROOF SCREWS (4 MINIMUM)
- SYMBOLS TO BE SUPERIMPOSED
- EXTERIOR DOORS SHALL HAVE TACTILE EXITS SIGNS



2 TYPICAL SIGNAGE

1 1/2"=1'-0"

SEE DETAIL 1/A0.1 FOR TYP. MOUNTING HEIGHTS AND LOCATIONS

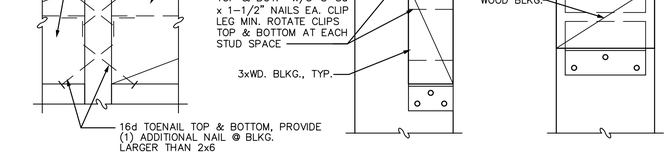


NOTES:

- MATERIAL TO BE 1/4" THICK W/EASED EDGES
- COLOR OF BACKGROUND TO CONTRAST 70% W/COLOR OF DOOR
- COLOR OF LETTERS TO CONTRAST 70% W/BACKGROUND
- LETTERS TO BE RAISED 1/32"
- FASTENERS: RECESSED FLUSH HEAD TAMPER-PROOF SCREWS (MIN. 4)
- SEE FLOOR PLAN FOR LOCATIONS
- SEE SPECIFICATION SECTION 101423, ARTICLE 2.01, FOR ADDITIONAL LETTERING REQUIREMENTS.

3 TACTILE EXIT SIGN

N.T.S.



4 TYPICAL WOOD BLOCKING

3"=1'-0"

GENERAL NOTES

1. ALL ACCESSIBLE DIMENSIONS ARE MAXIMUM DIMENSIONS U.O.N.
2. MOUNTING HEIGHTS SHOWN FOR MIDDLE SCHOOL/JUNIOR HIGH/HIGH SCHOOL/COLLEGE AND STAFF APPLY TO THIS PROJECT.
3. ACCESSIBLE DIMENSIONS MUST BE USED FIRST PRIOR TO STANDARD DIMENSIONS.

SHEET NOTES

SN.01 NOT USED

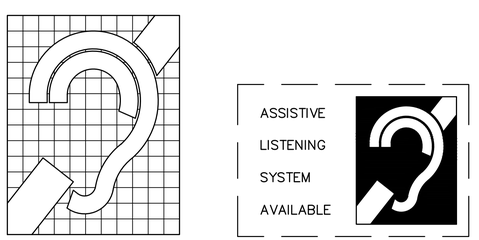
SN.02 AT CBC ACCISSIBLE WATER CLOSEST, FLUSH VALVE HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE ENCLOSURE.

KEYNOTES

10.15 FIRE EXINTGUISHER
10.23 SIGN: ROOM IDENTIFICATION
10.24 SIGN: TACTILE EXIT SIGN
10.25 SIGN: TOILET ROOM DOOR SYMBOL
10.38 TOILET ROOM ACCESSORY: MIRROR (MEASURE TO BOTTOM OF REFLECTIVE SURFACE)
10.39 TOILET ROOM ACCESSORY: TOILET PAPER DISPENSER
10.40 TOILET ROOM ACCESSORY: SOAP DISPENSER
10.42 TOILET ROOM ACCESSORY: PAPER TOWEL DISPENSER
10.44 TOILET ROOM ACCESSORY: SEAT COVER DISPENSER
10.50 TOILET ROOM ACCESSORY: GRAB BAR
10.75 TOILET ROOM ACCESSORY: SANITARY NAPKIN DISPENSER
10.77 TOILET ROOM ACCESSORY: SHELF
10.78 TOILET ROOM ACCESSORY: SANITARY NAPKIN DISPOSAL
15.02 SINK/LAVATORY
15.04 DRINKING FOUNTAIN
15.05 WATER CLOSET
15.06 URINAL
15.07 BOTTLE FILLER

MOUNTING HEIGHTS / DIMENSION

DIM	KEYNOTE	ELEMENTARY SCHOOL						MIDDLE SCHOOL / JUNIOR HIGH		HIGH SCHOOL / COLLEGE/STAFF	
		AGES 3-4, NURSERY TO PRE-K		AGES 5-8, KINDERGARTEN TO GRADE 2		AGES 9-12, GRADE 3 TO GRADE 6					
		STD	DA	STD	DA	STD	DA	STD	DA	STD	DA
A	2200.A1.3 (TOP OF SEAT)	12"	11"-12"	14"	12"-15"	14"	15"-17"	15"	17"-19"	15"	18"
B	1000.A7.7 (TOP OF GRAB BAR)	N/A	18"-20"	N/A	20"-25"	N/A	25"-27"	N/A	33"-36"	N/A	33"-36"
C	2200.A1.5 (DF BUBBLER HEIGHT)	30"	30" MAX.	32"	32" MAX.	32"-33"	32"	38"-43"	36" MAX.	38"-43"	36" MAX.
C.1	2200.A1.13 (BOTTLE FILLER BUTTON)	48"	48" MAX.	48"	48" MAX.	48"	48"MAX.	48"	48" MAX.	48"	48" MAX.
D	2200.A1.5 (DF KNEE CLEARANCE)	27"	24" MIN.	27"	24" MIN.	31"	24" MIN.	31"	27" MIN.	31"	27" MIN.
E	2200.A1.4 (URINAL RIM HEIGHT)	13"	13" MAX.	17"	15" MAX.	24"	17" MAX.	24"	17" MAX.	24"	17" MAX.
F	2200.A1.4 (URINAL FLUSH HANDLE HEIGHT)	36"	32" MAX.	39"	36" MAX.	51"	44" MAX.	51"	44" MAX.	51"	44" MAX.
G	2200.A1.2 (LAV. RIM HEIGHT)	31"	31' MAX.	31"	31" MAX.	31"	34" MAX.	34"	34" MAX.	34"	34" MAX.
H	2200.A1.2 (LAV. KNEE CLEARANCE HEIGHT)	24"	24" MIN.	24"	24" MIN.	24"	24" MIN.	27"	27" MIN.	27"	27" MIN.
J	1000.A7.5 (BOTTOM OF GLASS ABOVE LAV OR COUNTERTOP)	35"	32" MAX.	38"	35" MAX.	38"	38" MAX.	48"	40" MAX.	52"	40" MAX.*
J	1000.A7.5 (BOTTOM OF GLASS NOT ABOVE LAV OR COUNTERTOPS)	35"	32" MAX.	38"	35" MAX.	38"	35" MAX.	48"	35" MAX.	52"	35" MAX.*
L	1000.A7.4 (DISPENSER HANDLE HEIGHT)	27"	32" MAX.	32"	36" MAX.	40"	40" MAX.	40"	40" MAX.	42"	40" MAX.
M	1000.A7.11 (DISPENSER OPENING HEIGHT)	27"	14" MAX.	40"	36" MAX.	42"	40" MAX.	42"	40" MAX.	42"	40" MAX.
N	1000.A7.8 (TOP OF SURFACE)	N/A	N/A	N/A	N/A	42"	40" MAX.	42"	40" MAX.	46"	40" MIN. 48" MAX.
P	2200.A1.3 (CENTERLINE TO FACE OF WALL)	12"	12"	15"	12"-15"	18"	15"-18"	22"	17"-18"	22"	17"-18"
Q	1000.A7.2 (DISPENSER OPENING HEIGHT)	14"	14" MAX.	15"	14"-17"	18"	17"-19"	18"	19" MIN.	22"	19" MIN.
R	1000.A7.2 (FRONT OF TOILET TO CENTERLINE)	7"	6"	7"	6"	12"	7"-9"	12"	7"-9"	12"	7"-9"
S	1000.A7.3 (OPERABLE HANDLE HEIGHT)	N/A	N/A	N/A	N/A	40"	40" MAX.	40"	40" MAX.	40"	40" MAX.

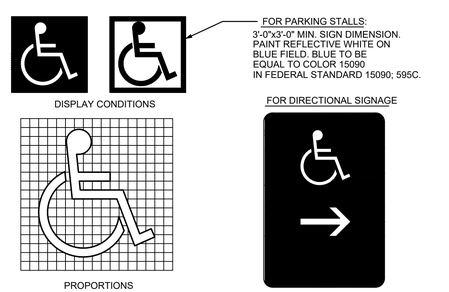


(A) SYMBOL PROPORTIONS (B) DISPLAY CONDITIONS

- PROVIDE A PORTABLE ASSISTIVE LISTENING SYSTEM: THE MIMIMUM NUMBER OF RECIEVERS TO BE PROVIDED SHALL BE EQUAL TO 4 PERCENT OF THE OCCUPANT LOAD AND NOT LESS THAN TWO. TWENTY FIVE PERCENT SHALL BE HEARING AID COMPATIBLE
- PROVIDE SIGNAGE: ASSISTIVE LISTENING SYSTEMS SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESS FOR HEARING IMPAIRED COMPLYING WITH FIGURE 11B-703.7.2.4
- HEIGHT OF CHARACTERS ON ASSISTIVE LISTENING SIGNS SHALL BE BASED ON THE DISTANCE MOUNTED FROM THE FLOOR, AND THE DISTANCE TO BE VIEWED PER TABLE 11B-703.5.5. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH AND SHALL CONTRAST (11B-703.5)

5 ASSISTIVE LISTENING SYSTEM

N.T.S.



ALL ACCESSIBLE ENTRANCES SHALL BE IDENTIFIED WITH AT LEAST 1 STANDARD SIGN, WHITE FIGURE ON BLUE, 6" SQUARE MIN.

PROVIDE DIRECTIONAL SIGNS WHERE INDICATED ON P.O.T. FOR PERSONS ON PEDESTRIAN WAY APPROACHING ENTRY AND ALONG THE PATH OF TRAVEL. MOUNT DIRECTIONAL SIGNS AT +60" ABOVE FINISH FLOOR TO CENTER OF SIGN ARROWS TO BE POINTED TOWARD THE DIRECTION OF ACCESSIBLE ROUTE

6 SYMBOL OF ACCESSIBILITY

N.T.S.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT STEPHEN L. HENRY C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

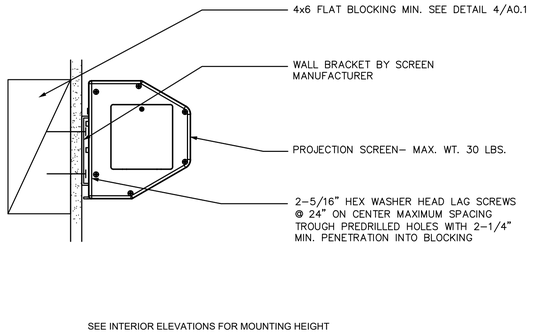
TYPICAL DETAILS

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A0.1



11 PROJECTION SCREEN

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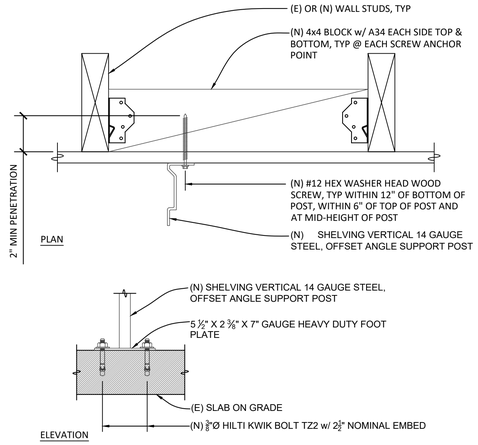
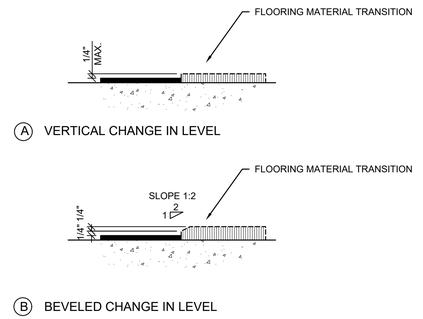


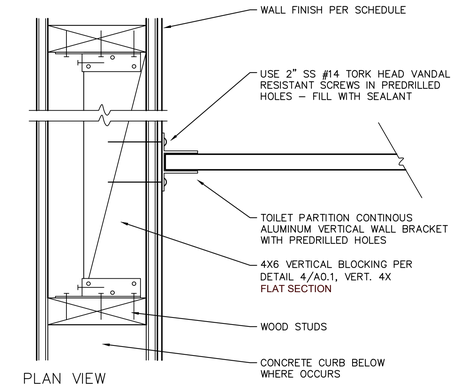
9 METAL SHELVING ANCHORAGE

N.T.S.



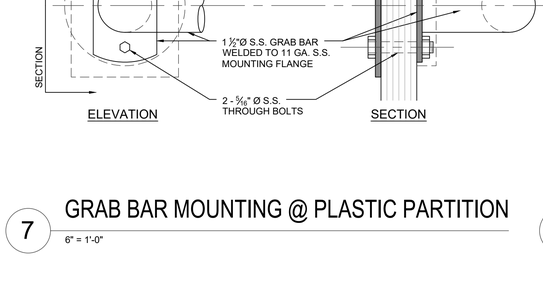
6 FLOORING TRANSITION

3" = 1'-0"



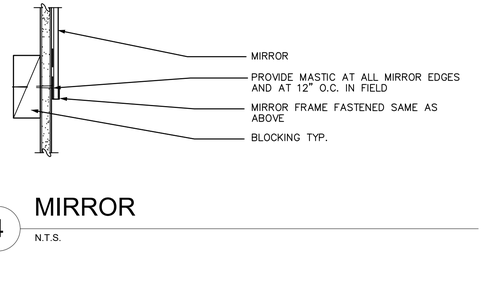
3 TOILET PARTITION MOUNTING @ WALL

N.T.S.



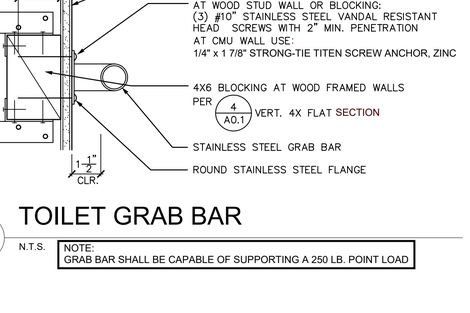
8 DRINKING FOUNTAIN MOUNTING

N.T.S.



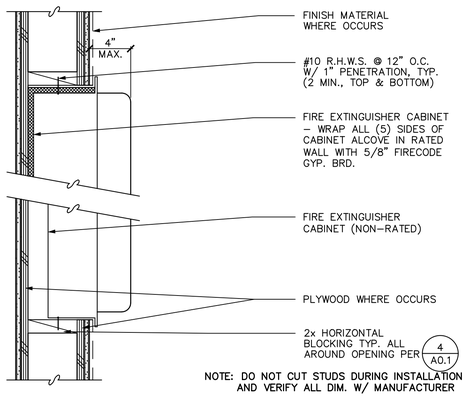
5 RESINOUS FLOOR BASE TO FRP

N.T.S.



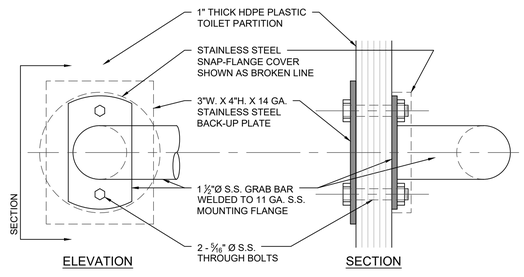
2 MARKER BOARD

N.T.S.



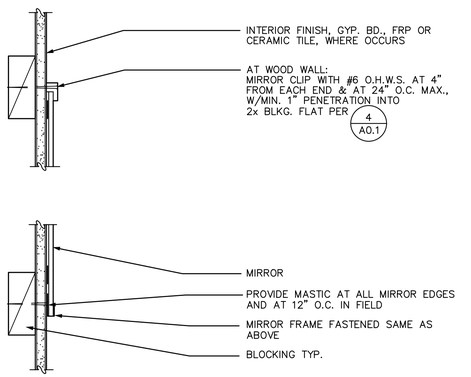
10 RECESSED FIRE EXT. CABINET

N.T.S.



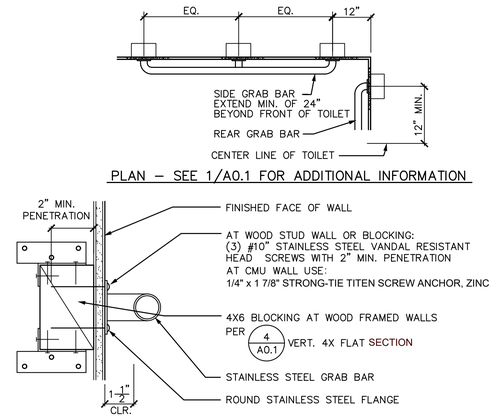
7 GRAB BAR MOUNTING @ PLASTIC PARTITION

6" = 1'-0"



4 MIRROR

N.T.S.



1 TOILET GRAB BAR

N.T.S.

NOTE:
GRAB BAR SHALL BE CAPABLE OF SUPPORTING A 250 LB. POINT LOAD

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SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT STEPHEN HENRY C–22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

TYPICAL DETAILS

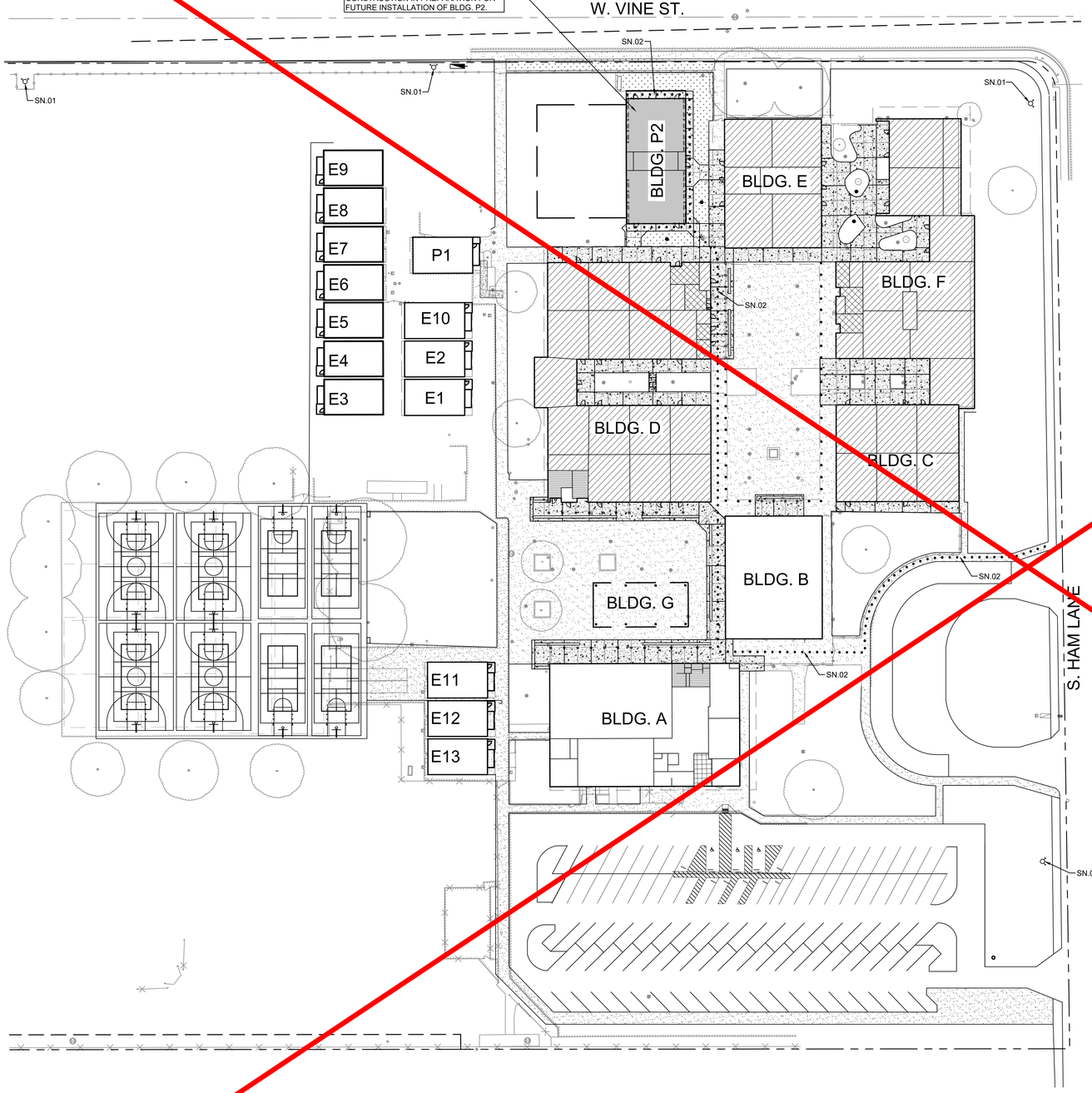
CONSULTANT

PROJECT NO.	REVISIONS	BY
21-32-051		
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A0.2

NOTE:
BLDG. P2 IS PART OF INCREMENT 2 AND NOT PART OF INCREMENT 1. INCREMENT 1 DOES HOWEVER INCLUDE UTILITY EXTENSIONS AND BUILDING PAD CONSTRUCTION IN PREPARATION FOR FUTURE INSTALLATION OF BLDG. P2.



A FIRE HYDRANT FLOW TEST WILL BE PROVIDED AS A PART OF INCREMENT 2

SITE LEGEND

- PROPERTY LINE
- ACCESSIBLE PATH OF TRAVEL - SEE NOTES THIS SHEET
- (N) CONCRETE WALK CONSTRUCTION (Expansion Joint (20'-0" Max. Spacing U.O.N.) - Shown Darker; Control Joint (10'-0" Max. Spacing U.O.N.) - Shown Lighter) NOTE: FOLLOW JOINT PATTERN AS SHOWN ON SITE PLAN & DETAILED ON CIVIL PLANS
- (E) ORNAMENTAL METAL FENCE TO REMAIN
- (N) CHAIN LINK FENCE (Height)
- (E) CHAIN LINK FENCE TO REMAIN
- (N) CHAIN LINK FENCE FABRIC TO BE INSTALLED O/ (E) MODIFIED FRENCE FRAME (Height)
- PATH TO SAFE DISPERSAL AREA OR PUBLIC WAY
- DESIGNATED AREA OF SAFE DISPERSAL
- (E) FIRE HYDRANT
- POST INDICATOR & VALVE (PIV)
- BACKFLOW PREVENTER W/ FDC
- METER AND BACKFLOW
- TRUNCATED DOMES

DRAINAGE STRUCTURE - SEE CIVIL
- CLEAN OUT
- AREA DRAIN
- MAN HOLE COVER
- DROP INLET
- TRENCH DRAIN

ELECTRICAL STRUCTURE - SEE ELECTRICAL
- POLE MOUNTED FIXT. TOP MOUNTED
- POLE MOUNTED FIXT. TWIN HEAD
- POLE MOUNTED FIXT. SINGLE HEAD
- UNDERGROUND PULLBOX
- TRANSFORMER
- SWITCHBOARD

- NEW BUILDING
- EXISTING BUILDING TO BE MODERNIZED
- EXISTING TOILET ROOM TO BE MODERNIZED
- EXISTING TOILET ROOM - NEW WORK
- NEW/CONCRETE WALKWAY - SEE CIVIL
- EXISTING WALKWAY TO REMAIN
- NEW LANDSCAPE AREA
- EXISTING PART OF BUILDING TO BE MODERNIZED

SHEET NOTES

SN.01 (E) FIRE HYDRANT

SN.02 PATH TO PUBLIC WAY W/ 1-FOOT CANDLE MIN. LIGHT LEVEL.

1 A1.1.0 FIRE AUTHORITY APPROVAL SITE PLAN

SCALE: 1" = 40'-0" 0 20' 80' 10' 40'

NORTH

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy *PL 09-01: Fire Flow for Buildings*.

PROJECT INFORMATION	
School District/Owner:	LODI UNIFIED SCHOOL DISTRICT
Project Name/School:	LODI MIDDLE SCHOOL
Project Address:	1305 E. VINE STREET, LODI, CA 95240

FIRE & LIFE SAFETY INFORMATION				
1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data.)*	Yes ☐		No ☒
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☐		No ☒
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? *(If yes, indicate FHSZ classification below.)*	Yes ☐		No ☒
	Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/	Moderate ☐	High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT — DEPARTMENT OF GENERAL SERVICES — Page 1 of 4 STATE OF CALIFORNIA

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
		Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.			☒	
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.	☐	☐		
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.			☒	
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.	☐	☐		
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.			☒	
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.	☐	☐		
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			☒	
7a.	**Acceptable Alternate:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.	☐	☐		

School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: _____ Title: _____

Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name:	
LFA Review Official:	
Title:	Work Phone:
Work Email:	

LFA Reviewer's Signature: _____ Date: _____

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT — DEPARTMENT OF GENERAL SERVICES — Page 2 of 4 STATE OF CALIFORNIA

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DIV. OF THE STATE ARCHITECT
APP: 02-116292 INC: 01
REVIEWED FOR
S ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

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Sacramento, CA 95825
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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT STEPHEN L. HENRY C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

FIRE AUTHORITY APPROVAL SITE PLAN

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
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SCALE AS DISPLAYED		
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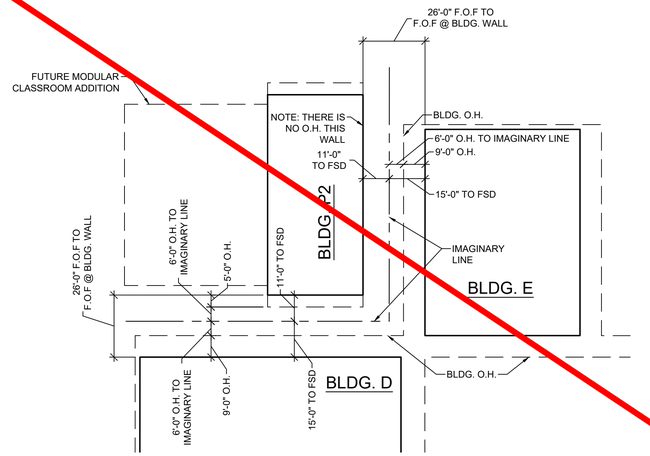
UPDATED 2/07/23		

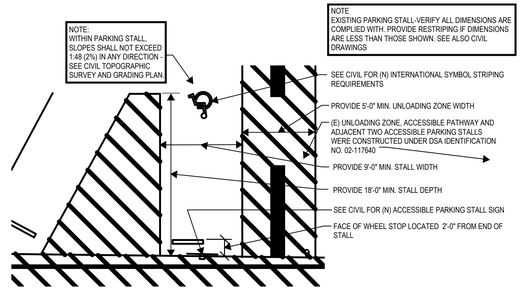
SHEET NO.

A1.1.0



2 A1.1.1 ENLARGED PARTIAL SITE PLAN

SCALE: 1" = 30'-0" 0 15' 60' 7.5' 30'



3 A1.1.1 ENLARGED ACCESSIBLE PARKING STALL

SCALE: 1/8" = 1'-0"

BUILDING DATA

BUILDING	DSA APPLICATION NUMBER	CONSTRUCTION TYPE	OCCUPANCY TYPE	AREA (SF)	CERTIFIED
BLDG. A - MULTI-PURPOSE	24025, 51591, 02-109532, 02-111649	VA, NOT SPRINKLERED	E, A-3	10,240	Y
BLDG. B - ADMINISTRATION	24025, 02-109532	VB, NOT SPRINKLERED	B	5,200	Y
BLDG. C - CLASSROOMS	24025, 02-109532	VB, NOT SPRINKLERED	E	5,200	Y
BLDG. D - CLASSROOMS	24025, 02-109532, 02-111649	VB, NOT SPRINKLERED	E	15,070	Y
BLDG. E - CLASSROOMS	24025	VB, NOT SPRINKLERED	E	5,525	Y
BLDG. F - CLASSROOMS	29702, 02-102227, 02-103249, 02-109532	VB, NOT SPRINKLERED	E	11,065	Y
BLDG. G - SHADE STRUCTURE	02-112412	VB, NOT SPRINKLERED	E	1,920	Y
BLDG. E1 - RELOCATABLE CLASSROOM	02-102227	VB, NOT SPRINKLERED	E	960	Y
BLDG. E2 - RELOCATABLE CLASSROOM	02-102227	VB, NOT SPRINKLERED	E	960	Y
BLDG. E10 - RELOCATABLE CLASSROOM	02-102227	VB, NOT SPRINKLERED	E	960	Y
BLDG. E11, E12 & E13 - RELOCATABLE CLASSROOMS	69156	VB, NOT SPRINKLERED	E	960 EA (2,880 SF TOTAL)	Y
BLDG. E3, E4, E5, E6, E7, E8, & E9 - RELOCATABLE CLASSROOMS	02-102968	VB, NOT SPRINKLERED	E	960 EA (6,720 SF TOTAL)	Y
BLDG. P1 - RELOCATABLE CLASSROOM	02-117640	VB, NOT SPRINKLERED	E	960	Y
BLDG. P2 - RELOCATABLE CLASSROOM	02-120292	VB, SPRINKLERED	E	3,360	THIS APPLIC.

SITE LEGEND

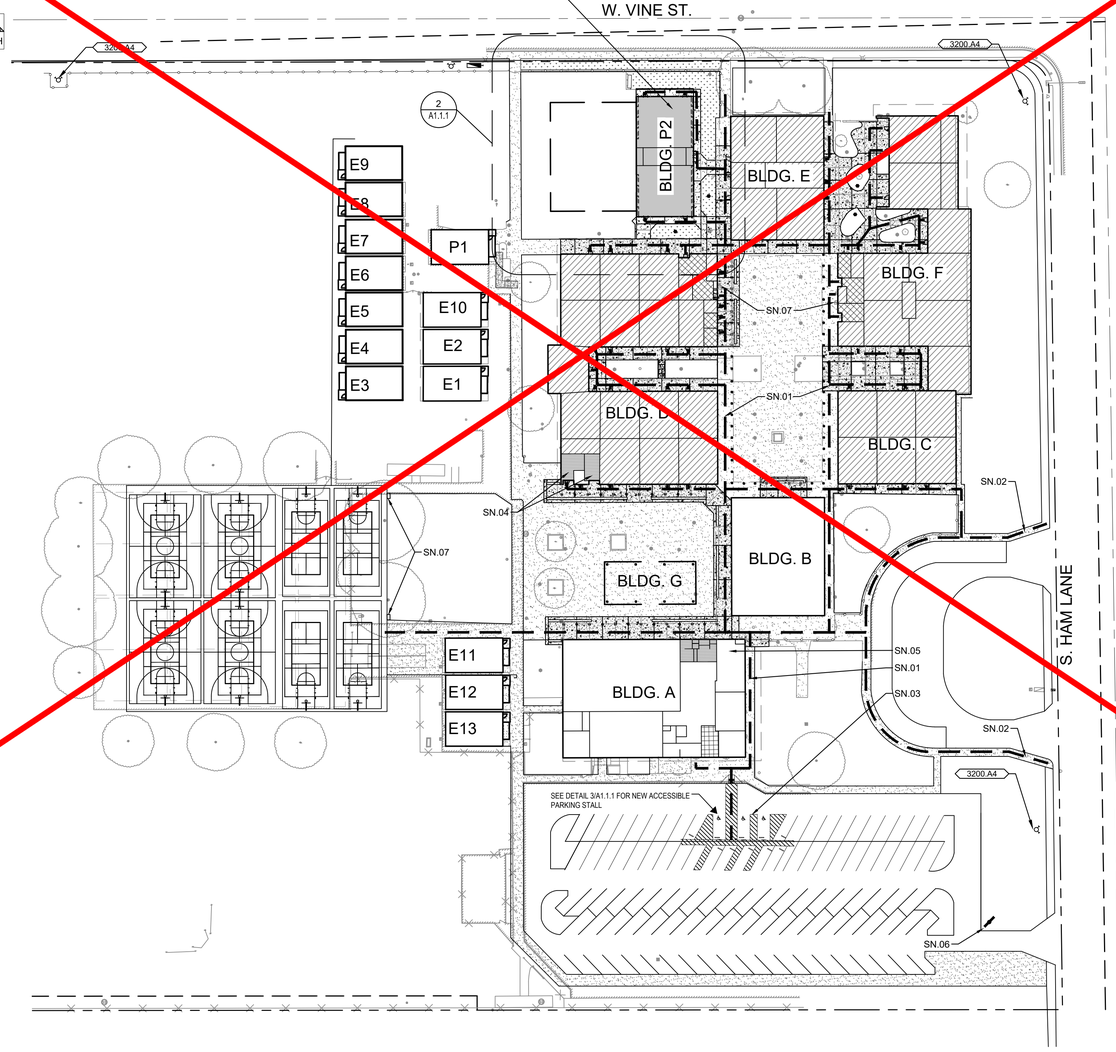
- PROPERTY LINE
- ACCESSIBLE PATH OF TRAVEL - SEE NOTES THIS SHEET
- (N) CONCRETE WALK CONSTRUCTION (Expansion Joint (20'-0" Max. Spacing U.O.N.) - Shown Darker; Control Joint (10'-0" Max. Spacing U.O.N.) - Shown Lighter) NOTE: FOLLOW JOINT PATTERN AS SHOWN ON SITE PLAN & DETAILED ON CIVIL PLANS
- (N) ORNAMENTAL METAL FENCE (Height)
- (E) ORNAMENTAL METAL FENCE TO REMAIN
- (N) CHAIN LINK FENCE (Height)
- (E) CHAIN LINK FENCE TO REMAIN
- (N) CHAIN LINK FENCE FABRIC TO BE INSTALLED O/ (E) MODIFIED FRENCE FRAME (Height)
- PATH TO SAFE DISPERSAL AREA OR PUBLIC WAY
- DESIGNATED AREA OF SAFE DISPERSAL
- (E) FIRE HYDRANT
- POST INDICATOR & VALVE (PIV)
- BACKFLOW PREVENTER W/ FDC
- METER AND BACKFLOW
- TRUNCATED DOMES

DRAINAGE STRUCTURE - SEE CIVIL
- CLEAN OUT
- AREA DRAIN
- MAN HOLE COVER
- DROP INLET
- TRENCH DRAIN

ELECTRICAL STRUCTURE - SEE ELECTRICAL
- POLE MOUNTED FIXT. TOP MOUNTED
- POLE MOUNTED FIXT. TWIN HEAD
- POLE MOUNTED FIXT. SINGLE HEAD
- UNDERGROUND PULLBOX
- T TRANSFORMER
- SWITCHBOARD

- NEW BUILDING
- EXISTING BUILDING TO BE MODERNIZED
- EXISTING TOILET ROOM TO BE MODERNIZED
- EXISTING TOILET ROOM - NO WORK
- NEW/CONCRETE WALKWAY - SEE CIVIL
- EXISTING WALKWAY TO REMAIN
- NEW LANDSCAPE AREA
- EXISTING PART OF BUILDING TO BE MODERNIZED

NOTE:
BLDG. P2 IS PART OF INCREMENT 2 AND NOT PART OF INCREMENT 1.
INCREMENT 1 DOES HOWEVER INCLUDE UTILITY EXTENSIONS AND BUILDING PAD CONSTRUCTION IN PREPARATION FOR FUTURE INSTALLATION OF BLDG. P2.



1 A1.1.1 CODE ANALYSIS SITE PLAN

SCALE: 1" = 50'-0" 0 25' 100' 12.5' 50'

SHEET NOTES

SN.01 D.A. PATH OF TRAVEL

SN.02 D.A. PATH OF TRAVEL FROM PUBLIC RIGHT OF WAY.

SN.03 D.A. PARKING STALLS CONSTRUCTED UNDER DSA IDENTIFICATION NO. 02-117640 AND UPGRADED BY THIS APPLICATION.

SN.04 D.A. STUDENT TOILET ROOMS CONSTRUCTED UNDER DSA IDENTIFICATION ON. 02-111649

SN.05 D.A. STAFF TOILET ROOMS CONSTRUCTED UNDER DSA IDENTIFICATION NO. 111649

SN.06 EXISTING TOW-AWAY SIGN CONSTRUCTED UNDER DSA IDENTIFICATION NO. 02-109532

SN.07 D.A. HI-LOW DRINKING FOUNDATION CONSTRUCTED UNDER DSA IDENTIFICATION NO. 02-109532

KEYNOTES

3200 SITEWORK

3200.A4 (E) FIRE HYDRANT

PATH OF TRAVEL: — — —

Path of travel (P.O.T.) as indicated is a barrier free access without any abrupt vertical changes exceeding ½" at 1:2 Maximum slope, except that level changes do not exceed ¼" vertical(11B-303 & 11B-403.4). P.O.T. is a minimum of 48" wide (11B-403.5.1Ex3) slip resistant surface with 5% max. slope and 1:48 max. cross slope(11B-403.3). Passing spaces(11B-403.5.3) of 60"x60" min. are located not more than 200' apart. Walks with continuous gradients have 60" in length of level areas (11B-403.7) not more than 400' apart. P.O.T. shall be maintained free of overhanging obstructions to 80" min(11B-307.4) and protruding objects(11B-307) greater than 4" projection from wall above 27" and less than 80". There is no drop-off over 4" at the edge of walk or landing unless identified by a guard, a handrail, or a warning curb at least 6" in height above the walk(11B-303.5).

Design Professional in General Responsible Charge Statement

The POT identified in the construction documents is compliant with current applicable California Building Code accessibility provisions **for path of travel requirements for alterations and structural repairs**. As part of the design of this project, the POT was examined and any elements, components or portion of the POT that were determined to be noncompliant 1) have been identified and 2) the corrective work necessary to bring them into compliance has been included within the scope of thus project's work through details, drawings and specification incorporated into these construction documents. Any noncompliant elements, components or portion of the POT that will not be corrected by this project based on valuation threshold limitations or a finding of unreasonable hardship are so indicated in these construction documents.

During construction, if POT items within the scope of the project represented as code compliant are found to be nonconforming beyond reasonable construction tolerances, they shall be brought into compliance with the CBC as a part of this project by means of a "Construction Change Document" (form **DSA 140**).

CODE ANALYSIS - BUILDING P2

Code Analysis-Building P2-Sprinklered-REV 11-19-21

CBC SECTION/TABLE	DESCRIPTION	BUILDING ANALYSIS INFORMATION
	GENERAL BUILDING INFORMATION	
(PER DRAWINGS)	BUILDING FLOOR AREA (GROSS SF WITHOUT OVERHANGS)	7,920
(PER DRAWINGS)	BUILDING FLOOR AREA (GROSS SF WITH OVERHANGS)	8,920
(PER DRAWINGS)	BUILDING PERIMETER (LF)	368
(PER DRAWINGS)	BUILDING STORIES	1
(PER DRAWINGS)	BUILDING HEIGHT	16'
	CBC CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION	
N/A	CLASSROOM BUILDING (GRADES 7-12 SCHOOL)	N/A
305	OCCUPANCY CLASSIFICATION	EDUCATIONAL GROUP E
	CBC CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS	
TABLE 504.3	ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE (E GROUP OCCUPANCY, NOT SPRINKLERED, TYPE V-B)	40
TABLE 504.4	ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLAN (E GROUP OCCUPANCY, NOT SPRINKLERED, TYPE V-B)	1
TABLE 506.2	ALLOWABLE AREA FACTOR IN SQUARE FEET (E GROUP OCCUPANCY, ONE STORY, SPRINKLERED, TYPE V-B)	38,000 SQUARE FEET (TABULAR ALLOWABLE AREA FACTOR)
506.2.1	NS (INCREASE FOR NON-SPRINKLERED)	N/A
506.2.1	IF (INCREASE FOR FRONTAGE)	N/A
508	MIXED USE AND OCCUPANCY (NO MIXED USE)	N/A
	CBC CHAPTER 6 - TYPES OF CONSTRUCTION	
	TYPE OF CONSTRUCTION	TYPE V-B
TABLE 601	FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS	0-HR (ALL ELEMENTS)
TABLE 602	FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE	0-HR (10 ≤ X < 30) 0-HR (X > 30) EXTERIOR BUILDING WALLS HAVE BEEN LOCATED 26' FROM ADJACENT EXTERIOR BUILDING WALLS
	CBC CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES	
TABLE 705.2 (2019 CBC)	BUILDINGS D, E & P2 ALL HAVE 5' OR GREATER FSD FROM ADJACENT BUILDING AND OVERHANGS/PROJECTIONS ARE ALL MORE THAN 40" AWAY FROM THE FSD. THEREFORE OK.	COMPLIES WITH MINIMUM CLEARANCE REQUIREMENTS (SEE JUSTIFICATION AT LEFT)
TABLE 705.8	MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION (BUILDING QUALIFIES FOR SECTION 705.8.1, EXCEPTION 2)	COMPLIES-AREA OF EXTERIOR WALL OPENINGS IS ALLOWED TO BE UNLIMITED
	CBC CHAPTER 7A - MATERIALS AND CONSTRUCTION METHODS FOR EXTERIOR WILDFIRE EXPOSURE	
CHAPTER 7A	SCOPE	N/A (BUILDING IS LOCATED IN THE INCORPORATED CITY OF LODI AND IS NOT WITHIN A VHFHSZ)
	CBC CHAPTER 8 - INTERIOR FINISHES	
TABLE 803.13	INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY (NONSPRINKLERED, GROUP E AND S ROOMS AND ENCLOSED SPACES)	CLASS C
804.4.1	INTERIOR FLOOR FINISH AND INTERIOR FLOOR COVERING MATERIALS SHALL COMPLY WITH REQUIREMENTS OF ASTM STANDARD E648, AND HAVING A SPECIFIC OPTICAL DENSITY SMOKE RATING NOT TO EXCEED 450 PER ASTM E662.	FLOOR FINISHES AND COVERING MUST COMPLY
	CBC CHAPTER 9 - FIRE PROTECTION SYSTEMS	
903	AUTOMATIC FIRE SPRINKLER SYSTEMS	EXISTING AND NEW CLASSROOM BUILDINGS WILL NOT BE SPRINKLERED
906	PORTABLE FIRE EXTINGUISHERS	CLASS A/LIGHT HAZARD OCCUPANCY
TABLE 906.3 (1)	MINIMUM RATED SINGLE EXTINGUISHER/MAXIMUM FLOOR AREA FOR EXTINGUISHER/MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER	2-A/3,000 SQUARE FEET/75 FEET
907	AUTOMATIC FIRE ALARM AND DETECTION SYSTEMS	PROVIDED THROUGHOUT
	CBC CHAPTER 10 - MEANS OF EGRESS	
1005.3.2	MEANS OF EGRESS SIZING/OTHER EGRESS COMPONENTS (SEE CODE ANALYSIS PLAN FOR OCCUPANT LOADS AND EGRESS WIDTHS)	0.15 INCHES PER OCCUPANT PER CBC 1005.3.2., EXCEPTION 1.

IDENTIFICATION STAMP
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730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT STEPHEN L. HENRY C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

CODE ANALYSIS
SITE PLAN

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
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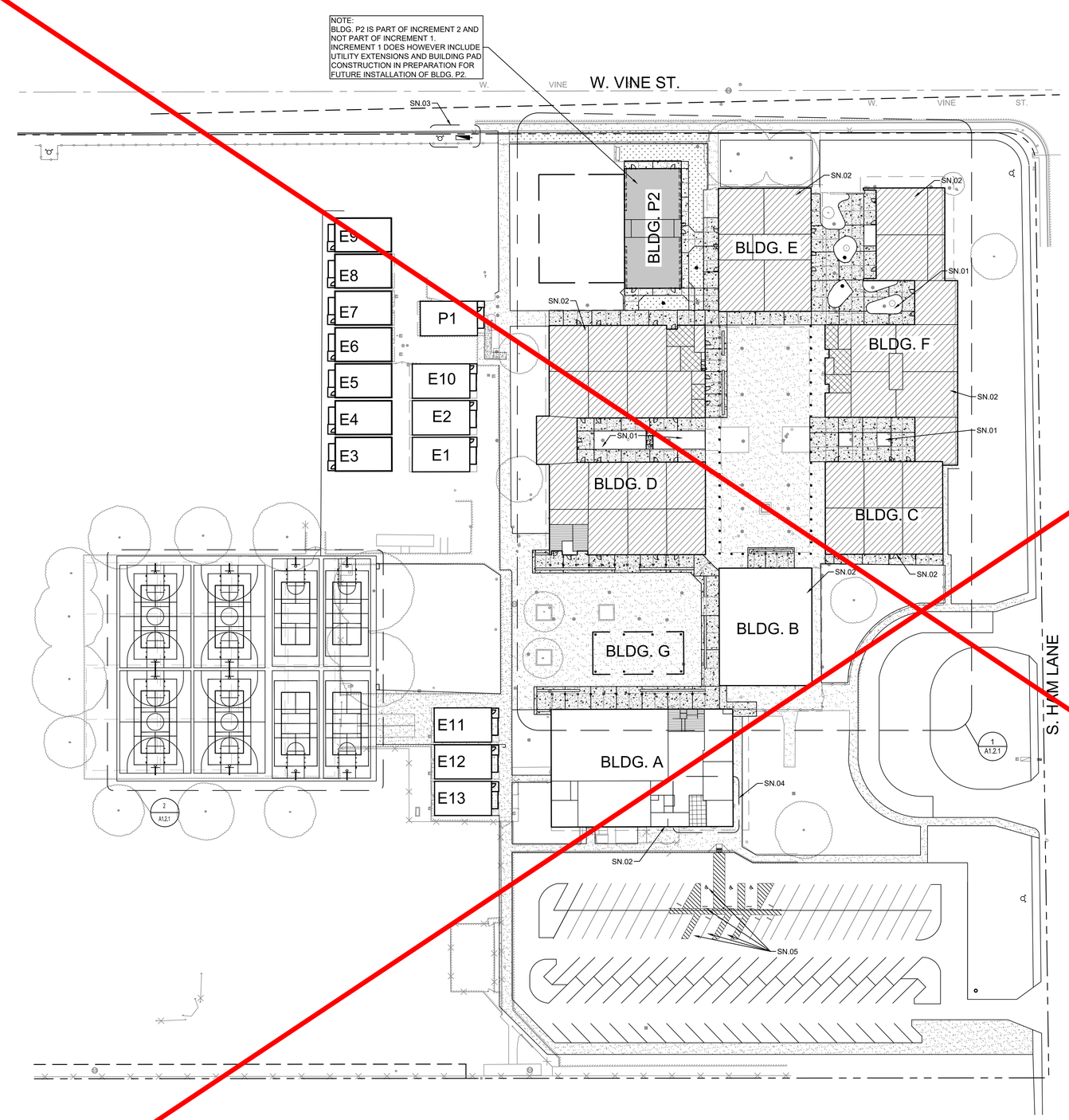
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A1.1.1



1 A1.1.2 SITE PLAN

SCALE: 1" = 40'-0"

0 20' 80'
10' 40'

SITE LEGEND

- PROPERTY LINE
- ACCESSIBLE PATH OF TRAVEL - SEE NOTES THIS SHEET
- (N) CONCRETE WALK CONSTRUCTION (Expansion Joint (20'-0" Max. Spacing U.O.N.) - Shown Darker; Control Joint (10'-0" Max. Spacing U.O.N.) - Shown Lighter)
  NOTE: FOLLOW JOINT PATTERN AS SHOWN ON SITE PLAN & DETAILED ON CIVIL PLANS
- (N) ORNAMENTAL METAL FENCE (Height)
- (E) ORNAMENTAL METAL FENCE TO REMAIN
- (N) CHAIN LINK FENCE (Height)
- (E) CHAIN LINK FENCE TO REMAIN
- (N) CHAIN LINK FENCE - FABRIC TO BE INSTALLED O/ (E) MODIFIED FRENCE FRAME (Height)
- PATH TO SAFE DISPERSAL AREA OR PUBLIC WAY
- DESIGNATED AREA OF SAFE DISPERSAL
- (E) FIRE HYDRANT
- POST INDICATOR & VALVE (PIV)
- BACKFLOW PREVENTER W/ FDC
- METER AND BACKFLOW
- TRUNCATED DOMES

DRAINAGE STRUCTURE - SEE CIVIL
- CLEAN OUT
- AREA DRAIN
- MAN HOLE COVER
- DROP INLET
- TRENCH DRAIN

ELECTRICAL STRUCTURE - SEE ELECTRICAL
- POLE MOUNTED FIXT. TOP MOUNTED
- POLE MOUNTED FIXT. TWIN HEAD
- POLE MOUNTED FIXT. SINGLE HEAD
- UNDERGROUND PULLBOX
- TRANSFORMER
- SWITCHBOARD

- NEW BUILDING
- EXISTING BUILDING TO BE MODERNIZED
- EXISTING TOILET ROOM TO BE MODERNIZED
- EXISTING TOILET ROOM - NO WORK
- NEW/CONCRETE WALKWAY - SEE CIVIL
- EXISTING WALKWAY TO REMAIN
- NEW LANDSCAPE AREA
- EXISTING PART OF BUILDING TO BE MODERNIZED

GENERAL NOTES

1. SAFETY: CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE PREMISES ON WHICH THE WORK IS PERFORMED AND FOR THE SAFETY OF ALL PERSONS AND PROPERTY ON THE SITE BOTH DURING AND OUTSIDE OF NORMAL WORKING HOURS, UNTIL SUCH WORK IS ACCEPTED BY THE OWNER.
2. UNDERGROUND SERVICES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES AND/OR UTILITY DISTRICTS AS TO THE LOCATION OF ALL UNDERGROUND FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UNDERGROUND UTILITIES OR OTHER BURIED OBJECTS WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS.
3. USE OF BARRICADES AND SITE CONTROLS: WHEN THE WORK AREA HAS TRENCHES OR DITCHES DEEPER THAN ONE FOOT, THE CONTRACTOR SHALL PROVIDE FENCING AND BARRICADES AT SUCH TRENCHES OR DITCHES DURING THE WORK DAY. CONTRACTOR SHALL EXPEDITE THE FILLING AND COMPACTING OF SUCH TRENCHES OR DITCHES.
4. QUANTITIES: ANY MATERIAL QUANTITIES THAT ARE NOTED ON THESE DRAWINGS ARE NOT GUARANTEED CONTRACT QUANTITIES. CONTRACTOR IS TO PERFORM THEIR OWN ESTIMATES AND QUANTITY TAKE-OFFS. CONTRACTOR IS TO PROVIDE ALL MATERIALS NECESSARY TO COMPLETE PROJECT, EVEN IF QUANTITIES ARE DIFFERENT THAN THOSE SHOWN ON THE DRAWINGS.
5. PRE-EXISTING CONDITIONS
   a. CONTRACTORS SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING OBSERVABLE SITE CONDITIONS PRIOR TO SUBMITTING BID.
   b. ALL ITEMS NOT SHOWN AS EXISTING SHALL BE CONSIDERED NEW AND ARE PART OF THIS CONTRACT.

SHEET NOTES

SN.01 PROTECT (E) PLANTERS DURING (N) CONCRETE WALKWAY CONSTRUCTION. (E) PLANTER LOCATION AND SHAPE TO BE MAINTAINED AND REPRODUCED WITHIN (N) WALKWAY AREA.

SN.02 (E) EXTERIOR BRICK VENEER OF ENTIRE BUILDING TO BE COATED WITH WEATHER SEALANT / ANTI-GRAFFITI COATING - SEE SHEET A1.3.1

SN.03 PROTECT (E) ORNAMENTAL METAL FENCE & CONCRETE MOW STRIP DURING INSTALLATION OF UNDERGROUND UTILITIES. CONTRACTOR IS RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY DAMAGE TO THE SATISFACTION OF THE OWNER

SN.04 SEE SHEET A2.1.A FOR ENLARGED PLANS SHOWING REPLACEMENT OF (E) WALK-IN REFRIGERATOR/FREEZER & OTHER RELATED KITCHEN IMPROVEMENTS

SN.05 SEE CIVIL FOR DELETION OF 3-NON-ACCESSIBLE PARKING STALLS AND ADDITION OF 1-ACCESSIBLE PARKING STALL. FINAL COUNT OF ACCESSIBLE PARKING STALLS INCLUDE 2-STANDARD AND 1-VAN ACCESSIBLE STALLS. TOTAL OVERALL PARKING STALL COUNT IS 72.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-116292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

SITE PLAN

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A1.1.2

SITE LEGEND

- PROPERTY LINE
- ACCESSIBLE PATH OF TRAVEL - SEE NOTES THIS SHEET
- (N) CONCRETE WALK CONSTRUCTION — Expansion Joint (20'-0" Max. Spacing U.O.N.) - Shown Darker; Control Joint (10'-0" Max. Spacing U.O.N.) - Shown Lighter
  NOTE: FOLLOW JOINT PATTERN AS SHOWN ON SITE PLAN & DETAILED ON CIVIL PLANS
- (N) ORNAMENTAL METAL FENCE — Height
- (E) ORNAMENTAL METAL FENCE TO REMAIN
- (N) CHAIN LINK FENCE — Height
- (E) CHAIN LINK FENCE TO REMAIN
- (N) CHAIN LINK FENCE FABRIC TO BE INSTALLED O/ (E) MODIFIED FRENCE FRAME — Height
- PATH TO SAFE DISPERSAL AREA OR PUBLIC WAY
- DESIGNATED AREA OF SAFE DISPERSAL
- (E) FIRE HYDRANT
- POST INDICATOR & VALVE (PIV)
- BACKFLOW PREVENTER W/ FDC
- METER AND BACKFLOW
- TRUNCATED DOMES

DRAINAGE STRUCTURE - SEE CIVIL
- CLEAN OUT
- AREA DRAIN
- MAN HOLE COVER
- DROP INLET
- TRENCH DRAIN

ELECTRICAL STRUCTURE - SEE ELECTRICAL
- POLE MOUNTED FIXT. TOP MOUNTED
- POLE MOUNTED FIXT. TWIN HEAD
- POLE MOUNTED FIXT. SINGLE HEAD
- UNDERGROUND PULLBOX
- T TRANSFORMER
- SWITCHBOARD

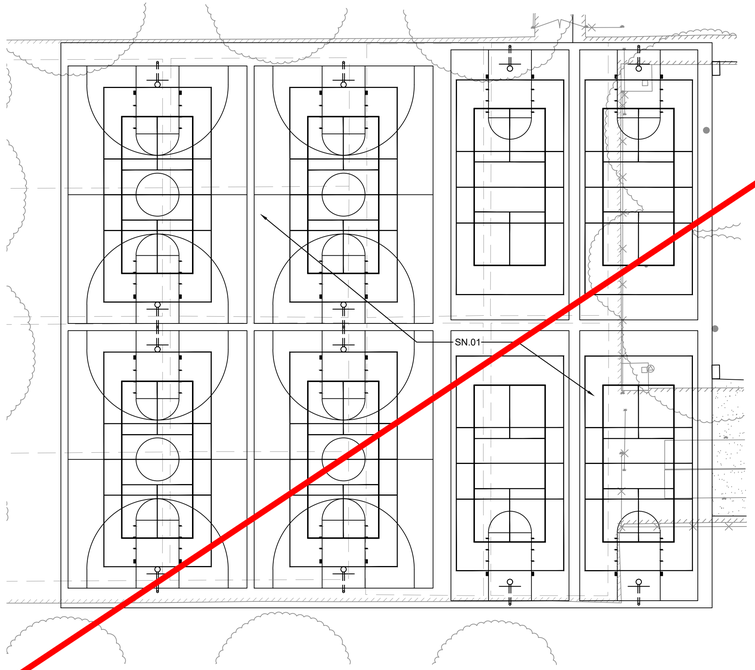
- NEW BUILDING
- EXISTING BUILDING TO BE MODERNIZED
- EXISTING TOILET ROOM TO BE MODERNIZED
- EXISTING TOILET ROOM - NO WORK
- NEW/CONCRETE WALKWAY - SEE CIVIL
- EXISTING WALKWAY TO REMAIN
- NEW LANDSCAPE AREA
- EXISTING PART OF BUILDING TO BE MODERNIZED

SHEET NOTES

SN.01 PROVIDE NEW 2" WIDE BASKETBALL, VOLLEYBALL AND PICKLEBALL COURT STRIPING AS INDICATED. VERIFY STRIPING COLORS WITH DISTRICT. SEE CIVIL FOR GRADING, GEOTEXTILE FABRIC AND A.C. OVERLAY AND SEALING.

SN.02 (N) CONCRETE WALK EXPANSION AND CONTROL JOINTS AS SHOWN, SEE SITE LEGEND.

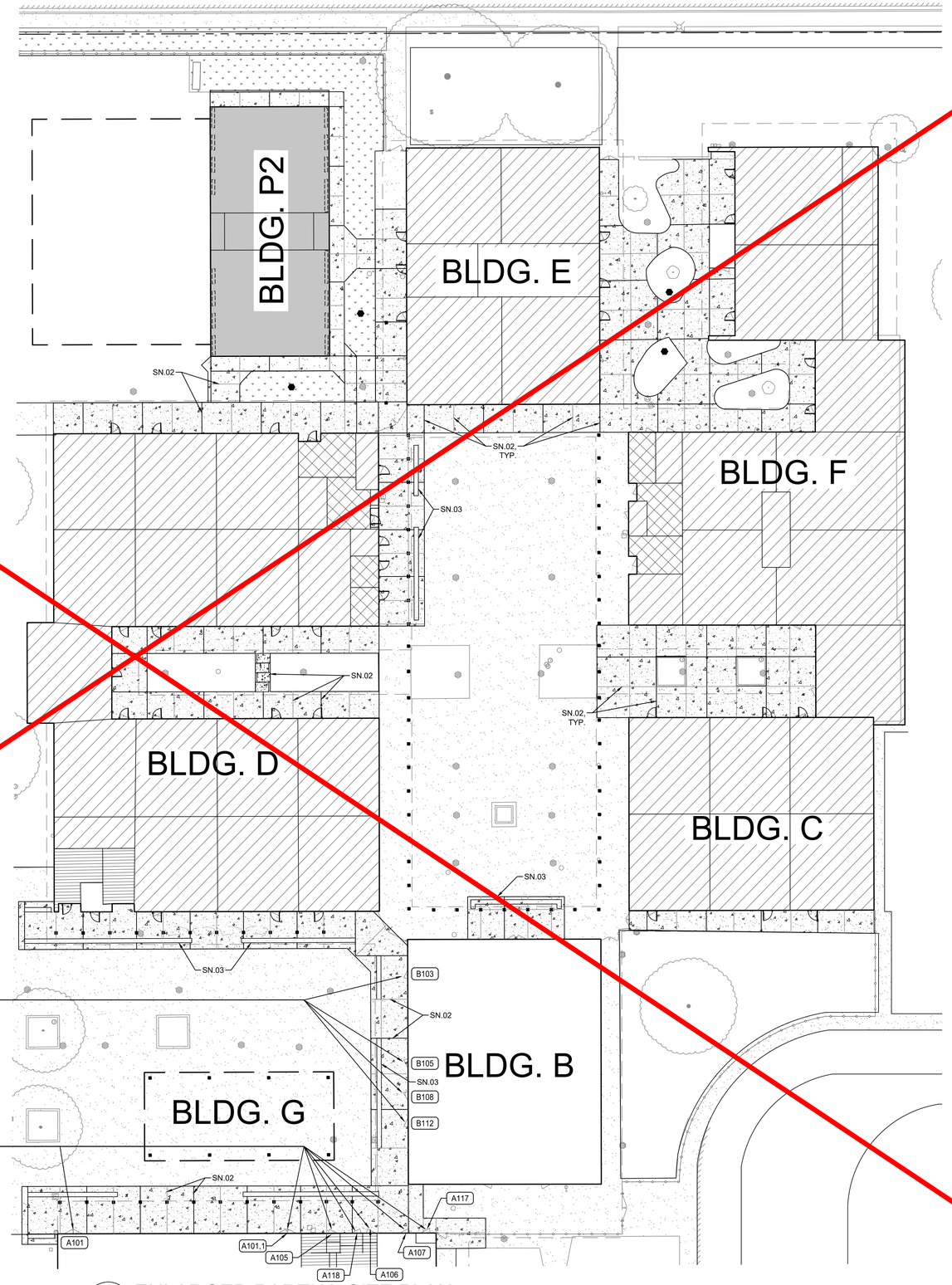
SN.03 (N) CONCRETE BENCHES, SEE CIVIL.



2 A1.2.1 ENLARGED PARTIAL SITE PLAN
SCALE: 1" = 20'
0 10' 40' 5' 20'
NORTH

NOTE:
A BLDG. B FLOOR PLAN HAS NOT BEEN PROVIDED. DOOR NUMBERS HAVE BEEN ADDED TO THIS SHEET TO IDENTIFY DOORS AND THRESHOLDS THAT WILL REQUIRE MODIFICATIONS DUE TO (N) WALKWAY CONSTRUCTION. SEE DOOR SCHEDULE FOR DOOR SCOPE AT THESE 4-BLDG. B DOORS

NOTE:
A BLDG. A OVERALL FLOOR PLAN HAS NOT BEEN PROVIDED. DOOR NUMBERS HAVE BEEN ADDED TO THIS SHEET TO IDENTIFY DOORS AND THRESHOLDS THAT WILL REQUIRE MODIFICATIONS DUE TO (N) WALKWAY CONSTRUCTION. SEE DOOR SCHEDULE FOR DOOR SCOPE AT THESE 7-BLDG. A DOORS



1 A1.2.1 ENLARGED PARTIAL SITE PLAN
SCALE: 1" = 20'
0 10' 40' 5' 20'
NORTH

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STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

ENLARGED
PARITAL SITE PLAN

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

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A1.2.1

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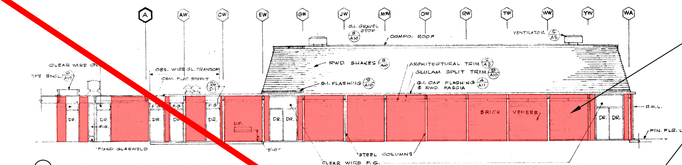
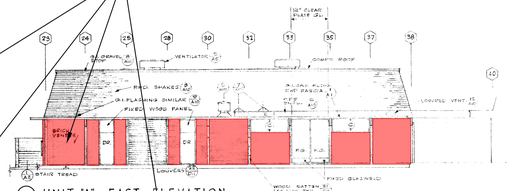
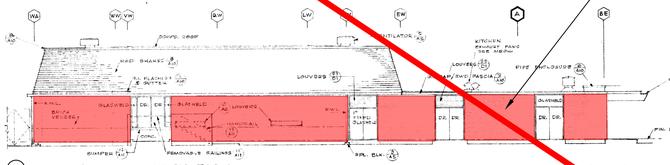


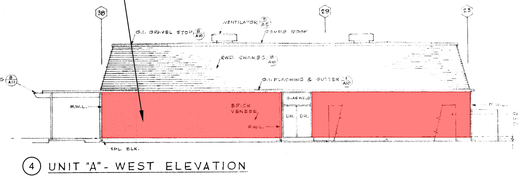
1 UNIT "A" - NORTH ELEVATION



2 UNIT "A" - EAST ELEVATION



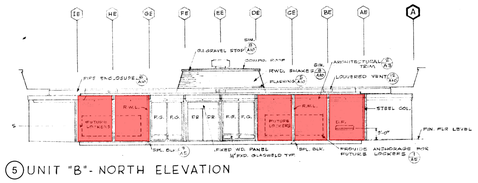
3 UNIT "A" - SOUTH ELEVATION



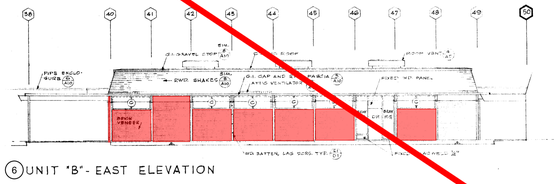
4 UNIT "A" - WEST ELEVATION

EXTERIOR ELEVATIONS - BUILDING A

SCALE: 1/16" = 1'-0"



5 UNIT "B" - NORTH ELEVATION



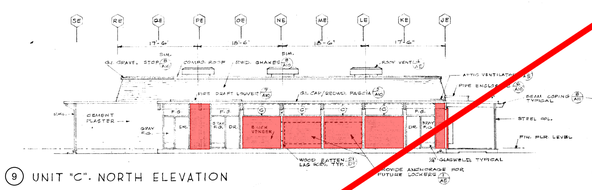
6 UNIT "B" - EAST ELEVATION

7 UNIT "B" - SOUTH ELEVATION

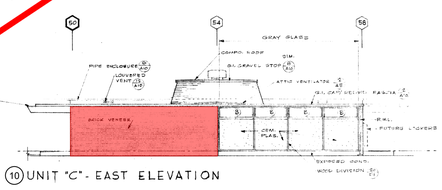
8 UNIT "B" - WEST ELEVATION

EXTERIOR ELEVATIONS - BUILDING B

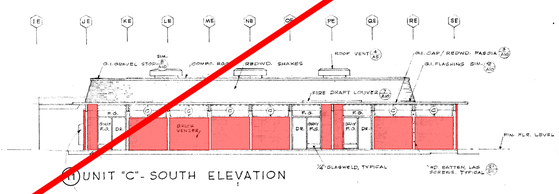
SCALE: 1/16" = 1'-0"



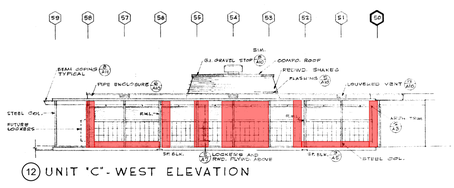
9 UNIT "C" - NORTH ELEVATION



10 UNIT "C" - EAST ELEVATION



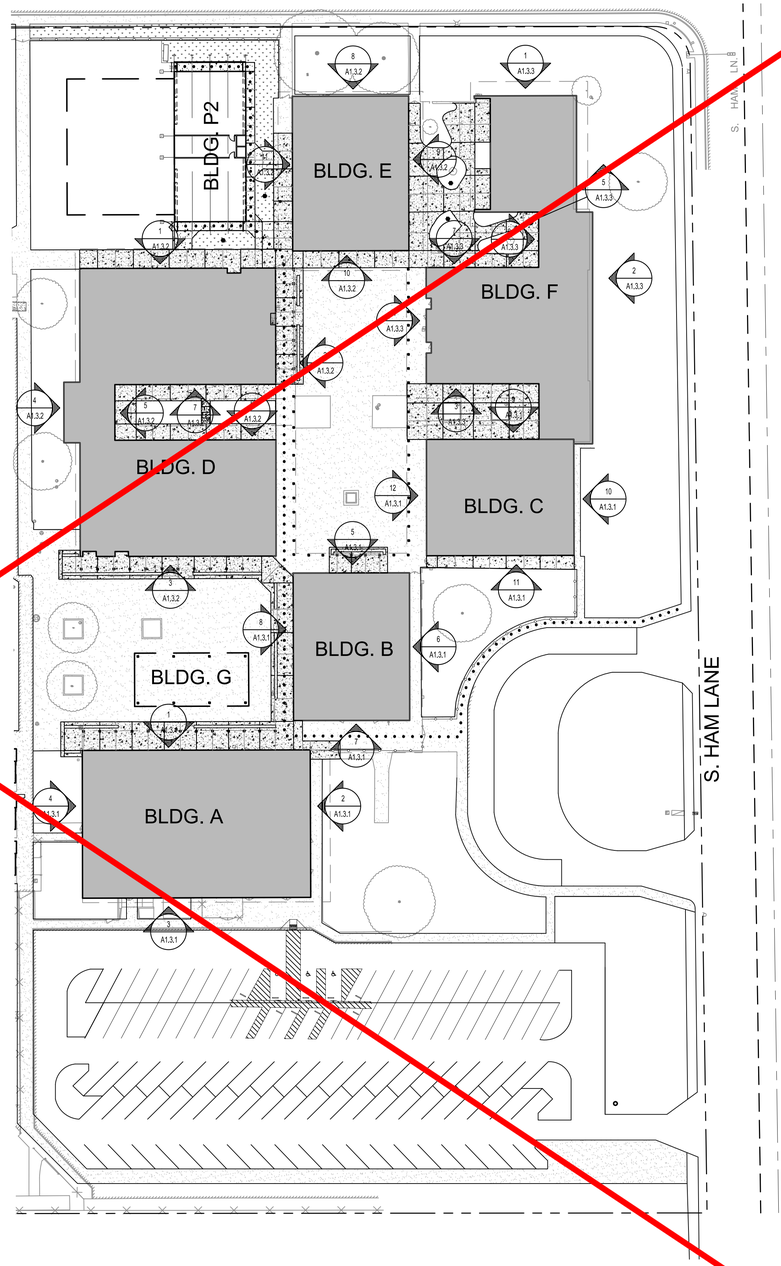
11 UNIT "C" - SOUTH ELEVATION



12 UNIT "C" - WEST ELEVATION

EXTERIOR ELEVATIONS - BUILDING C

SCALE: 1/16" = 1'-0"



1 / A1.2.4 EXTERIOR BRICK VENEER SEAL COATING SITE PLAN

SCALE: 1" = 40'

NORTH

IDENTIFICATION STAMP
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APP: 02-102292 INC: 01
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SS ☑ FLS ☑ ACS ☑
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Phone: 916.921.2112
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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

EXTER. BRICK VENEER SEAL COATING SITE PLAN & ELEVATIONS

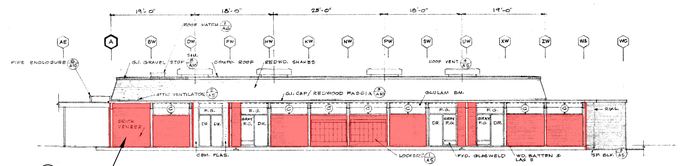
CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

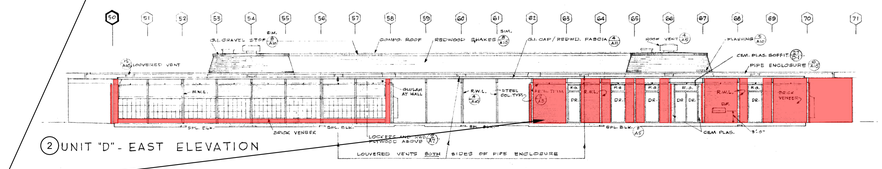
SHEET NO.

A1.3.1

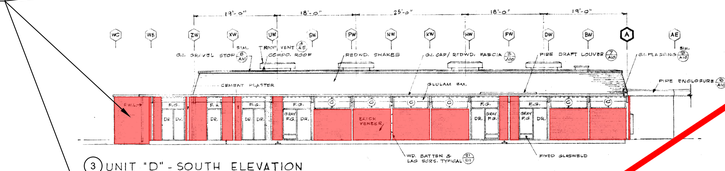
SHADED AREAS GENERALLY INDICATE EXISTING EXTERIOR BRICK VENEER PANELS REQUIRING ANTI-GRAFFITI/WEATHER COATING. CONTRACTOR AND/OR COATING SUBCONTRACTOR ARE REQUIRED TO FIELD REVIEW ALL BUILDING EXTERIORS AND TO VERIFY QUANTITY, SIZE AND ENTIRE SCOPE OF WORK. NOTE THAT ALL EXPOSED FACES AND EDGES OF ALL BRICK VENEER SHALL BE COATED WHETHER SHOWN IN THESE ELEVATIONS OR NOT. PROVIDE MASKING AS REQUIRED TO PROTECT FROM OVERSPRAY OF ALL BUILDING ELEMENTS NOT BEING COATED.



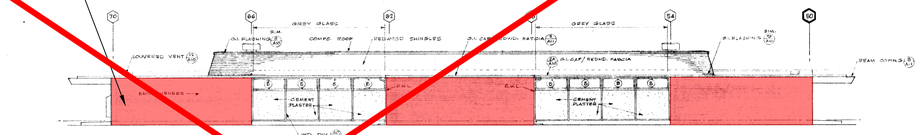
1 UNIT "D" - NORTH ELEVATION



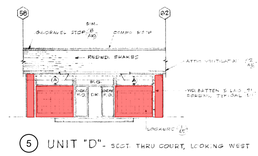
2 UNIT "D" - EAST ELEVATION



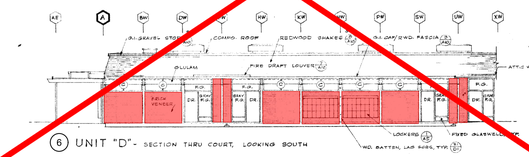
3 UNIT "D" - SOUTH ELEVATION



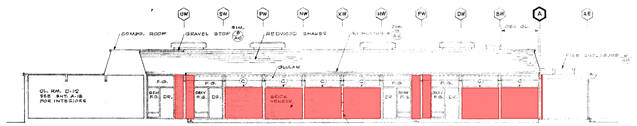
4 UNIT "D" - WEST ELEVATION



5 UNIT "D" - SCOT THRU COURT, LOOKING WEST



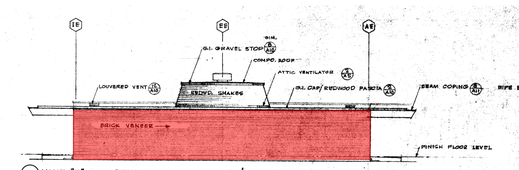
6 UNIT "D" - SECTION THRU COURT, LOOKING SOUTH



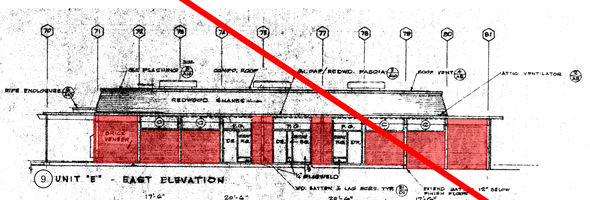
7 UNIT "D" - SECTION THRU COURT, LOOKING NORTH

EXTERIOR ELEVATIONS - BUILDING D

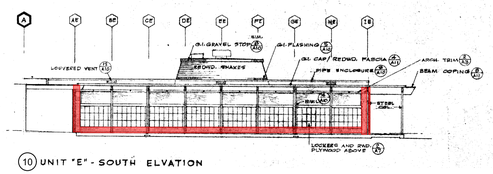
SCALE: 1/16" = 1'-0" 0 4' 8' 16' 32'



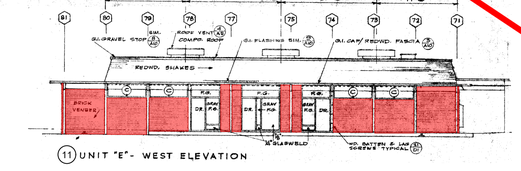
8 UNIT "E" - NORTH ELEVATION



9 UNIT "E" - EAST ELEVATION



10 UNIT "E" - SOUTH ELEVATION



11 UNIT "E" - WEST ELEVATION

EXTERIOR ELEVATIONS - BUILDING E

SCALE: 1/16" = 1'-0" 0 4' 8' 16' 32'

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EXTER. BRICK VENEER SEAL COATING ELEVATIONS

CONSULTANT

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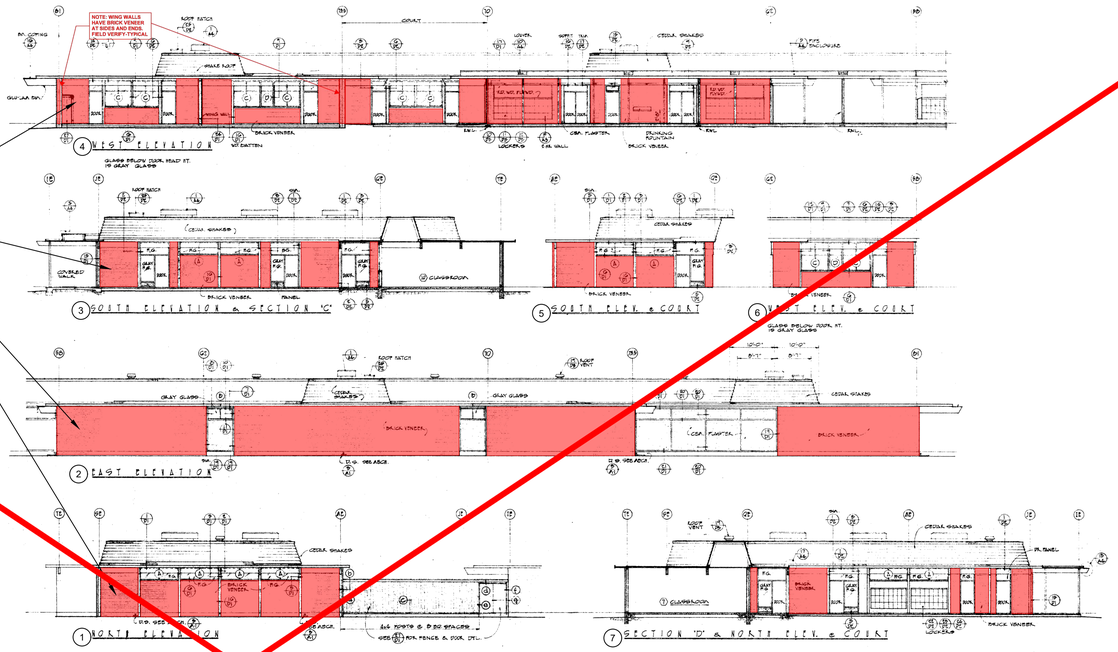
SHEET NO.

A1.3.2

SHADED AREAS GENERALLY INDICATE EXISTING EXTERIOR BRICK VENEER PANELS REQUIRING ANTI-GRAFFITI/ WEATHER COATING. CONTRACTOR AND/OR COATING SUBCONTRACTOR ARE REQUIRED TO FIELD REVIEW ALL BUILDING EXTERIORS AND TO VERIFY QUANTITY, SIZE AND ENTIRE SCOPE OF WORK. NOTE THAT ALL EXPOSED FACES AND EDGES OF ALL BRICK VENEER SHALL BE COATED WHETHER SHOWN IN THESE ELEVATIONS OR NOT. PROVIDE MASKING AS REQUIRED TO PROTECT FROM OVERSPRAY OF ALL BUILDING ELEMENTS NOT BEING COATED.



EXTERIOR ELEVATIONS - BUILDING F

SCALE: 1/16" = 1'-0" 0 8' 16' 32'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-116292 INC: 01
REVIEWED FOR
CJS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

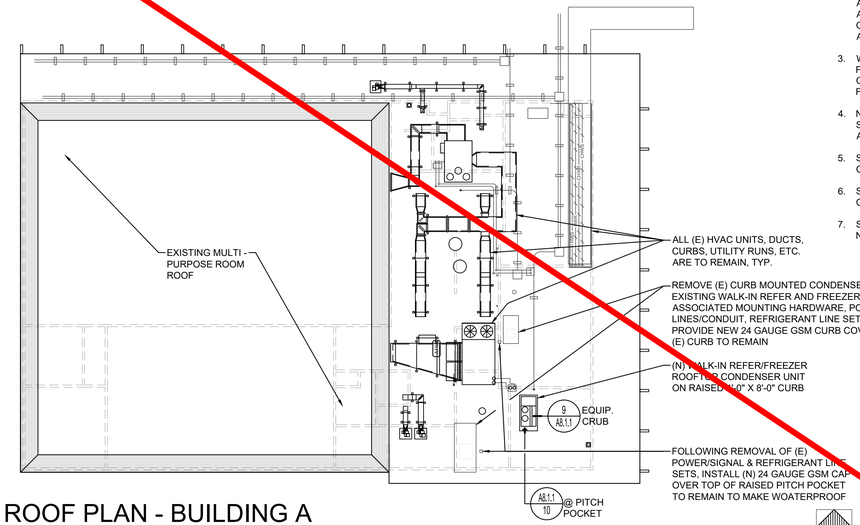
MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

EXTER. BRICK VENEER SEAL COATING ELEVATIONS

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.
A1.3.3



3 A2.1.A ROOF PLAN - BUILDING A

SCALE: 1/16" = 1'-0"

0 8' 32'

4' 16'

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2.X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING

SHEET NOTES

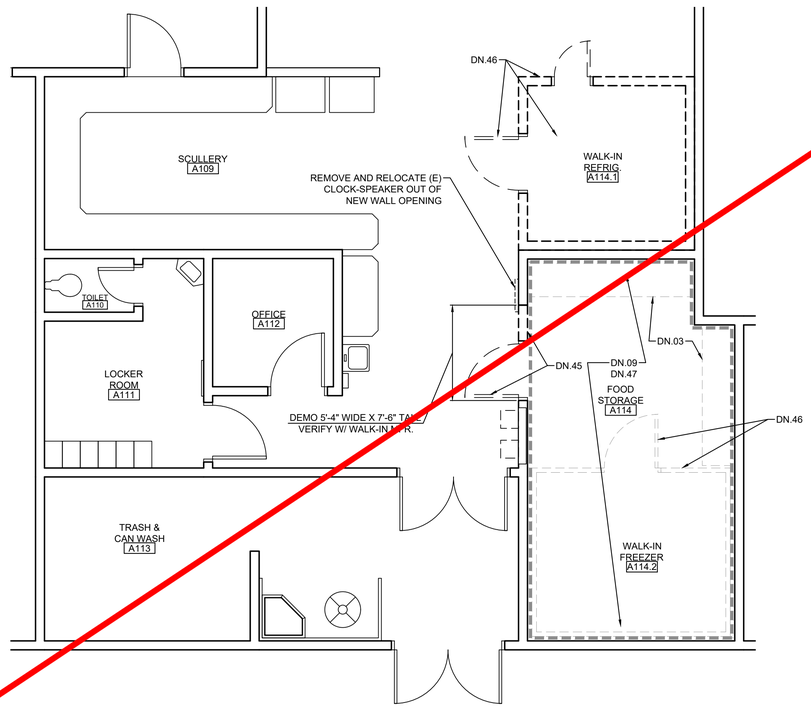
(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS
SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED
SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.
SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.
SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.
SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE
SN.16 NO NEW WORK THIS SPACE
SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATIONS IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED
SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP'D AND PAINTED ALONG WITH NEW WALL FINISH.
SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .
SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING
SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES, (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH, FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.
SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION
SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
SN.31 PREP AND PAINT EXISTING WOOD SHELVING
SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL. - PAINT.

DEMOLITION NOTES

NOTE: NOT ALL NOTES MAY BE USED

DN.01 THERE ARE NO ITEMS BEING REMOVED IN THIS ROOM EXCEPT AS MAY BE SHOWN HERE OR OTHER PLAN SHEETS. SEE ARCHITECTURAL FLOOR PLAN AND INTERIOR ELEVATIONS FOR WORK SCOPE IMPROVEMENTS
DN.02 REMOVE (E) DOOR, SIDELIGHT PANEL, TRANSOM GLAZING AND ENTIRE FRAME. PROTECT IN PLACE AND/OR SALVAGE ANY INTRUSION ALARM COMPONENTS FOR FUTURE INSTALLATION AND CONNECTION
DN.03 REMOVE (E) CASEWORK
DN.04 REMOVE (E) DRY MARKER BOARDS & TACKBOARDS
DN.05 REMOVE (E) PROJECTION SCREEN AND/OR MOUNTING BOARD
DN.06 REMOVE (E) PROJECTOR AND DELIVER TO DISTRICT
DN.07 REMOVE (E) FIRE EXTINGUISHER & HANGER. STORE AND PROTECT FOR FUTURE REINSTALLATION
DN.08 REMOVE ALL (E) WINDOW COVERINGS & TRACKS
DN.09 REMOVE (E) LIGHT FIXTURES AT CEILING THROUGHOUT - SEE ELECTRICAL
DN.10 REMOVE (E) DATA NETWORKING/DISTRIBUTION EQUIPMENT IF NECESSARY TO NEW PERFORM WORK OR PROTECT IN PLACE
DN.11 REMOVE (E) COAT HOOK BOARD OR PROJECTION SCREEN MOUNTING BOARD. PATCH HOLES & PREP FOR PAINT.
DN.12 REMOVE (E) CHEMICAL STORAGE CABINET PROTECT AND DELIVER TO DISTRICT FOR POSSIBLE REINSTALLATION.
DN.13 REMOVE (E) FAN/REGISTER AND PATCH BACK WITH (N) FINISH OR (N) FURRED WALL - SEE PLUMBING
DN.14 DIMENSIONS PROVIDED ARE ON (E) DIMENSIONS TAKEN IN THE FIELD. THIS PLUMBING FIXTURE WILL MAY NEED TO MOVE LATERALLY AND/OR UP-DOWN TO ALLOW FOR PROPER ACCESSIBLE CLEARANCES PER SHEET A0.1. CONTRACTOR TO COORDINATE EXACT FINAL LOCATION AND REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.14.1 REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.15 PREP (E) FLOOR AS REQUIRED TO INSTALL NEW FLOOR FINISH. VERIFY FLOOR SLOPE DOES NOT EXCEED 2% IN ANY DIRECTION.
DN.16 REMOVE (E) TOILET PARTITION, DOOR AND MOUNTING HARDWARE. STORE AND PROTECT FOR FUTURE REINSTALLATION
DN.17 REMOVE (E) LAVATORY, FAUCET, DRAIN ASSEMBLY & INSULATION. REMOVE (E) CARRIER WHERE LAVATORY WILL BE RELOCATED. STORE AND PROTECT FOR FUTURE REINSTALLATION - SEE PLUMBING FOR REQUIRED (N) COMPONENTS. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.18 REMOVE (E) TOILET & FLUSH VALVE ASSEMBLY. REMOVE (E) CARRIER WHERE TOILET WILL BE RELOCATED. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.19 REMOVE (E) URINAL & FLUSH VALVE ASSEMBLY. REMOVE (E) CARRIER WHERE URINAL WILL BE RELOCATED. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.20 REMOVE (E) FLOOR MOUNT TOILET. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES WHERE (N) TOILET WILL NOT BE INSTALLED.
DN.21 REMOVE (E) TOILET ROOM ACCESSORIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.22 REMOVE (E) TOILET PARTITION AND MOUNTING HARDWARE. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.23 REMOVE, STORE, PROTECT AND RE-INSTALL (E) CORNER GUARDS EA. SIDE OF OPENING.
DN.24 REMOVE (E) WALL MOUNT TOILET. CUT BACK CARRIER BOLTS AS REQUIRED FOR (N) WALL FINISH - SEE PLUMBING FOR CAPPING OF UTILITIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.25 REMOVE (E) FRP WAINSCOTING. PREP GYPSUM WALLBOARD AS REQUIRED FOR INSTALLATION OF (N) FRP WALL FINISH
DN.26 REMOVE (E) MOP SINK - SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.27 REMOVE (E) WATER HEATER - SEE PLUMBING & ELECTRICAL. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.28 REMOVE (E) SINK & BASE CABINET. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.29 REMOVE (E) TILE AND/OR FRP WAINSCOTING. PREP WALL FOR (N) FINISHES
DN.30 REMOVE (E) MOP HOLDER. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.31 REMOVE (E) OPERABLE PARTITION, DOOR AND ASSOCIATED HARDWARE, TRIM, FINISHES & FRAMING AT HEAD AND JAMBS. PREP OPENING TO RECEIVE (N) INFILL FRAMED WALL AND FINISHES.
DN.32 REMOVE (E) DOOR AND HARDWARE. FRAME TO REMAIN. SEE DETAILS FOR METAL WALL PANEL INFILL AND FINISHES WHERE OCCURS.
DN.33 REMOVE (E) PARTITION. PATCH (E) FINISHES TO MATCH SURROUNDING FINISHES WHERE WALL IS SHOWN NOT BE REPLACED.
DN.34 REMOVE (E) DOORS, FRAMES WALL FINISHES, WALL FRAMING, INTERIOR SHELVING & CASEWORK WHERE SHOWN BROKEN LINE. PATCH & REFINISH SOFFIT, WALLS AND WALKWAY WHERE DAMAGED BY REMOVAL OF STRUCTURE.
DN.35 REMOVE (E) MAP RAIL. PATCH HOLES AND PREP FOR PAINT.
DN.36 REMOVE (E) PARTIAL HEIGHT PLUMBING CHASE WALL AND PREP SURROUNDING FINISHES FOR INSTALLATION OF (N) PARTIAL HEIGHT PLUMBING CHASE WALL-SEE STRUCTURAL
DN.37 REMOVE (E) REGISTERS AND LIGHT FIXTURES. TEMPORARILY DISCONNECT FIRE ALARM AND OTHER LOW VOLTAGE SYSTEM CONDUIT, CABLES AND ALL COMPONENTS AS REQUIRED TO REMOVE (E) CEILING TILE AND GYP. BD. UNDERLAYMENT.
DN.38 PROTECT (E) CHEMICAL STORAGE CABINET EXHAUST AIR FLUE FOR FUTURE CONNECTION TO (N) CHEMICAL STORAGE CABINETS.
DN.39 REMOVE (E) DOOR, FRAME AND ANY TRIM. PREP OPENING FOR (N) DOOR, FRAME AND FINISHES.
DN.40 REMOVE (E) DOOR, FRAME AND HARDWARE. FRAME IN OPENING AND FINISH TO MATCH ADJACENT FINISHES.
DN.41 REMOVE (E) PLUMBING EQUIPMENT ITEM AND ASSOCIATED PIPING. CAP PIPING BEHIND FINISHES AND PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.42 TEMPORARILY REMOVE (E) CEILING AND/OR WALL MOUNTED FIRE ALARM, INTRUSION ALARM OR OTHER COMPONENTS THAT ARE IN CONFLICT WITH REPLACEMENT OF (E) CEILING FINISHES W/ (N) CEILING FINISHES. REMOVE OR PROTECT IN PLACE ALL COMPONENTS THAT ARE TO BE RE-INSTALLED.
DN.43 REMOVE (E) ACOUSTICAL CEILING TILE & GYPSUM WALLBOARD (UNDER CEILING TILE) DOWN TO FRAMING (ROOF OR CEILING JOISTS).
DN.44 REMOVE (E) POWER/SIGNAL POLES-SEE ELECTRICAL. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.45 REMOVE (E) DOOR, FRAME AND ADJACENT WALL AS INDICATED. PROVIDE H.M. CASED OPENING
DN.46 REMOVE (E) WALK-IN REFRIGERATOR AND FREEZER UNITS & RAMPS. PREP (E) WALLS, CEILING AND FLOOR AS REQUIRED TO CONSTRUCT (N) DRY STORAGE PARTITIONS AND DOOR OR TO INSTALL (N) WALK-IN REFER/FREEZER UNIT.
DN.47 VERIFY/LOCATE UNDERSLAB UTILITIES PRIOR TO DEMO & THEN REMOVE (E) FLOOR FINISH AND FLOOR SLAB (HATCHED AREA)-SEE STRUCTURAL FOR ADDITIONAL DEMO REQUIREMENTS AND (N) SLAB POUR-BACK. SEE FOOD SERVICE DRAWINGS FOR (N) WALK-IN FLOOR REQUIREMENTS



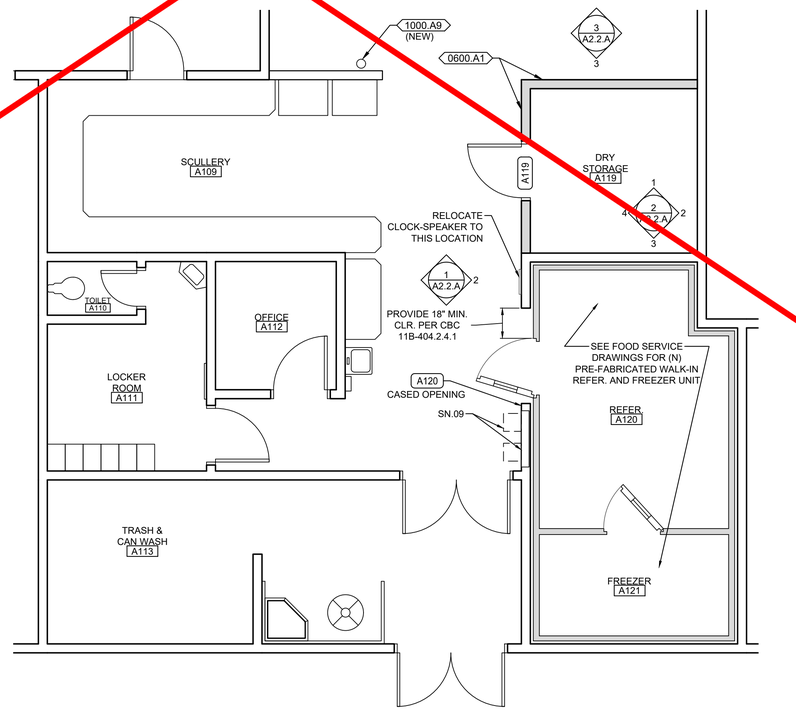
2 A2.1.A ENLARGED KITCHEN DEMO PLAN - BUILDING A

SCALE: 1/4" =1'-0"

0 2' 8'

1' 4'

NORTH



1 A2.1.A ENLARGED KITCHEN FLOOR PLAN - BUILDING A

SCALE: 1/4" =1'-0"

0 2' 8'

1' 4'

NORTH

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-110292 INC: 01
REVIEWED FOR
ACCESS FLS ACS
DATE: 02/23/2023

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

ENLARGED FLOOR & ROOF PLANS - BUILDING A

CONSULTANT

	REVISIONS	BY
PROJECT NO. 21-32-051		
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

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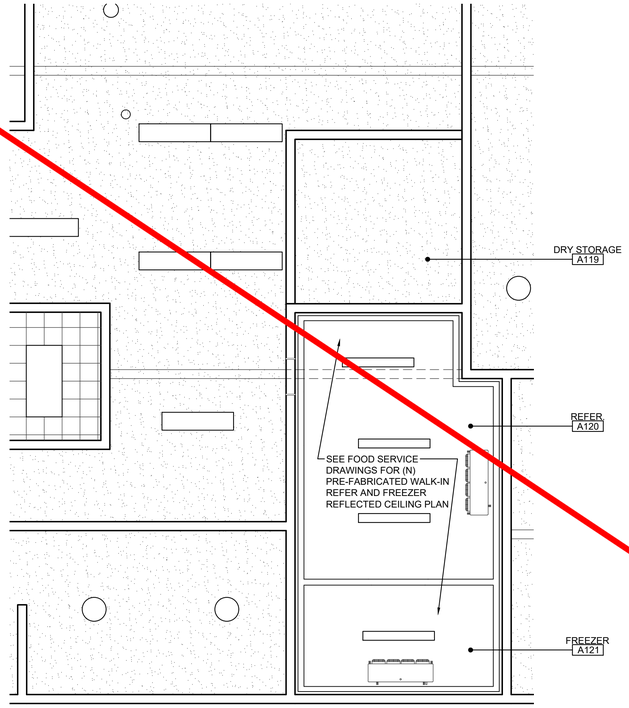
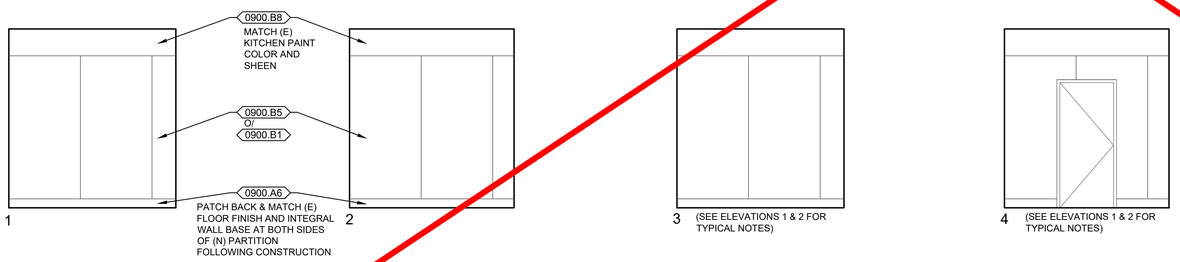


4 A2.2.A ENLARGED REFLECTING CEILING PLAN - BUILDING A

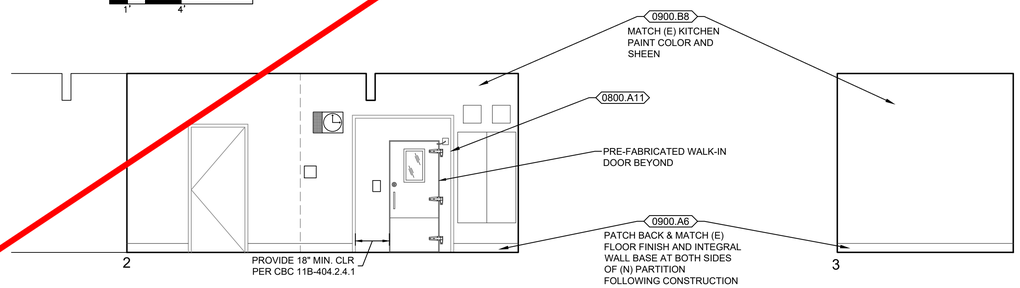
SCALE: 1/4" = 1'-0"

NORTH



2 A2.2.A INTERIOR ELEVATION - DRY STORAGE - A119

SCALE: 1/4" =1'-0"



1 A2.2.A INTERIOR ELEVATION - KITCHEN AREA

SCALE: 1/4" =1'-0"

3 A2.2.A INTERIOR ELEVATION - DRY STORAGE (NORTH WALL)

SCALE: 1/4" =1'-0"

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED

SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED

SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED

SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED

SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS

SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.

SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS.

SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED

SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.

SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED, PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.

SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.

SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.

SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT

SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.

SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE

SN.16 NO NEW WORK THIS SPACE.

SN.17 ACCESSIBLE

SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.

SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED

SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP'D AND PAINTED ALONG WITH NEW WALL FINISH.

SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .

SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.

SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING

SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES, (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.

SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.

SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.

SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION

SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.

SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH

SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.

SN.31 PREP AND PAINT EXISTING WOOD SHELVING

SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION

SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL - PAINT.

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFCI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-116292 INC: 01
REVIEWED FOR
ADA ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

ENLARGED REFLECTED CEILING PLAN & INTERIOR ELEVATIONS - BUILDING A

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A2.2.A

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

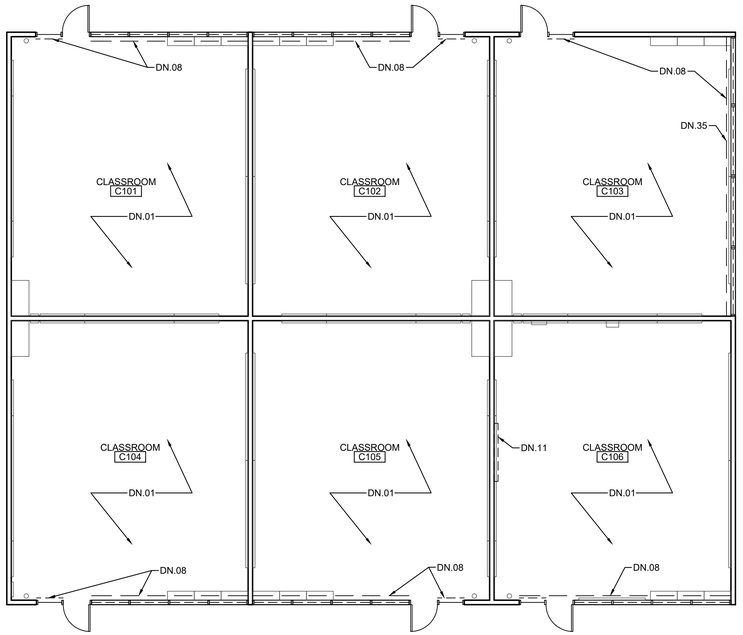
1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

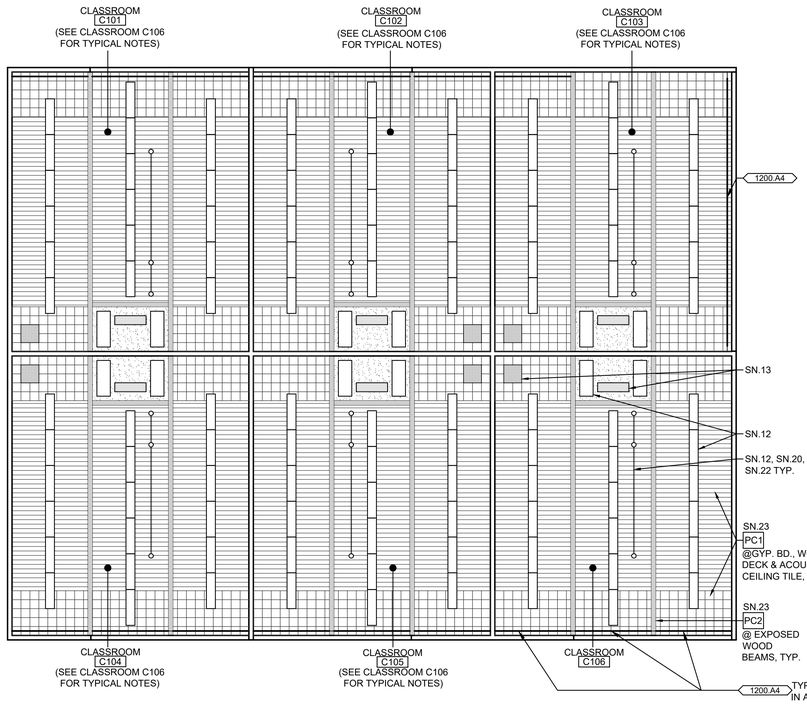
2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING

GENERAL NOTES

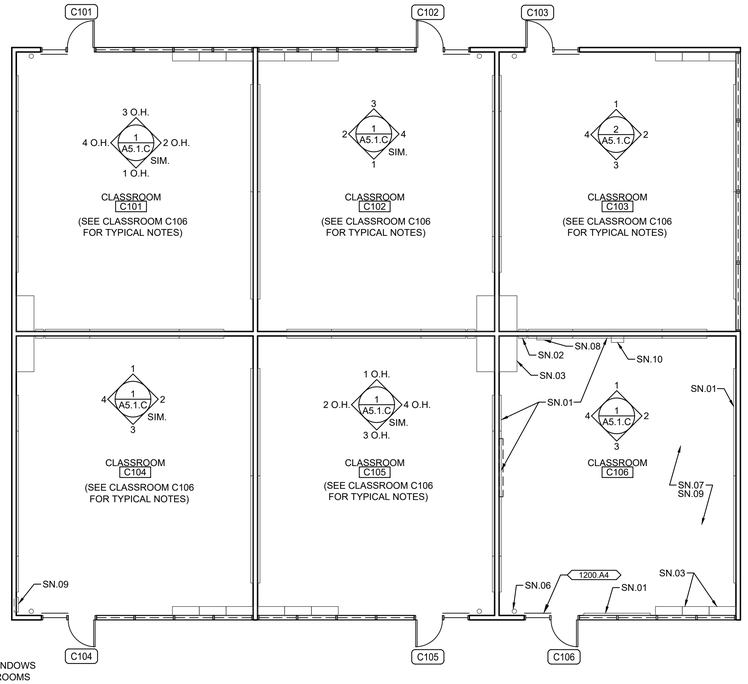
1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.



2 A2.1.C DEMOLITION PLAN - BUILDING C
SCALE: 1/8" =1'-0"



3 A2.1.C REFLECTED CEILING PLAN - BUILDING C
SCALE: 1/8" =1'-0"



1 A2.1.C FLOOR PLAN - BUILDING C
SCALE: 1/8" =1'-0"

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS
SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED
SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.
SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.
SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.
SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE
SN.16 NO NEW WORK THIS SPACE
SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED
SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP'D AND PAINTED ALONG WITH NEW WALL FINISH.
SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .
SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING
SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES, (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH, FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.
SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION
SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
SN.31 PREP AND PAINT EXISTING WOOD SHELVING
SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL. - PAINT.

DEMOLITION NOTES

NOTE: NOT ALL NOTES MAY BE USED

DN.01 THERE ARE NO ITEMS BEING REMOVED IN THIS ROOM EXCEPT AS MAY BE SHOWN HERE OR OTHER PLAN SHEETS. SEE ARCHITECTURAL FLOOR PLAN AND INTERIOR ELEVATIONS FOR WORK SCOPE IMPROVEMENTS
DN.02 REMOVE (E) DOOR, SIDELIGHT PANEL, TRANSOM GLAZING AND ENTIRE FRAME. PROTECT IN PLACE AND/OR SALVAGE ANY INTRUSION ALARM COMPONENTS FOR FUTURE INSTALLATION AND CONNECTION
DN.03 REMOVE (E) CASEWORK
DN.04 REMOVE (E) DRY MARKER BOARDS & TACKBOARDS
DN.05 REMOVE (E) PROJECTION SCREEN AND/OR MOUNTING BOARD
DN.06 REMOVE (E) PROJECTOR AND DELIVER TO DISTRICT
DN.07 REMOVE (E) FIRE EXTINGUISHER & HANGER. STORE AND PROTECT FOR FUTURE REINSTALLATION
DN.08 REMOVE ALL (E) WINDOW COVERINGS & TRACKS
DN.09 REMOVE (E) LIGHT FIXTURES AT CEILING THROUGHOUT - SEE ELECTRICAL
DN.10 REMOVE (E) DATA NETWORKING/DISTRIBUTION EQUIPMENT IF NECESSARY TO NEW PERFORM WORK OR PROTECT IN PLACE
DN.11 REMOVE (E) COAT HOOK BOARD OR PROJECTION SCREEN MOUNTING BOARD. PATCH HOLES & PREP FOR PAINT.
DN.12 REMOVE (E) CHEMICAL STORAGE CABINET PROTECT AND DELIVER TO DISTRICT FOR POSSIBLE REINSTALLATION.
DN.13 REMOVE (E) FAN/REGISTER AND PATCH BACK WITH (N) FINISH OR (N) FURRED WALL - SEE PLUMBING
DN.14 DIMENSIONS PROVIDED ARE BASED ON (E) DIMENSIONS TAKEN IN THE FIELD. THIS PLUMBING FIXTURE WILL MAY NEED TO MOVE LATERALLY AND/OR UP-DOWN TO ALLOW FOR PROPER ACCESSIBLE CLEARANCES PER SHEET A0.1. CONTRACTOR TO COORDINATE EXACT FINAL LOCATION AND REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.14.1 REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.15 PREP (E) FLOOR AS REQUIRED TO INSTALL NEW FLOOR FINISH. VERIFY FLOOR SLOPE DOES NOT EXCEED 2% IN ANY DIRECTION.
DN.16 REMOVE (E) TOILET PARTITION, DOOR AND MOUNTING HARDWARE. STORE AND PROTECT FOR FUTURE REINSTALLATION
DN.17 REMOVE (E) LAVATORY, FAUCET, DRAIN ASSEMBLY & INSULATION. REMOVE (E) CARRIER WHERE LAVATORY WILL BE RELOCATED. STORE AND PROTECT FOR FUTURE REINSTALLATION - SEE PLUMBING FOR REQUIRED (N) COMPONENTS. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.18 REMOVE (E) TOILET & FLUSH VALVE ASSEMBLY. REMOVE (E) CARRIER WHERE TOILET WILL BE RELOCATED. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.19 REMOVE (E) URINAL & FLUSH VALVE ASSEMBLY. REMOVE (E) CARRIER WHERE URINAL WILL BE RELOCATED. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.20 REMOVE (E) FLOOR MOUNT TOILET. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES WHERE (N) TOILET WILL NOT BE INSTALLED.
DN.21 REMOVE (E) TOILET ROOM ACCESSORIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.22 REMOVE (E) TOILET PARTITION AND MOUNTING HARDWARE. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.23 REMOVE, STORE, PROTECT AND RE-INSTALL (E) CORNER GUARDS EA. SIDE OF OPENING.
DN.24 REMOVE (E) WALL MOUNT TOILET. CUT BACK CARRIER BOLTS AS REQUIRED FOR (N) WALL FINISH - SEE PLUMBING FOR CAPPING OF UTILITIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.25 REMOVE (E) FRP WAINSCOTING. PREP GYPSUM WALLBOARD AS REQUIRED FOR INSTALLATION OF (N) FRP WALL FINISH
DN.26 REMOVE (E) MOP SINK - SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.27 REMOVE (E) WATER HEATER - SEE PLUMBING & ELECTRICAL. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.28 REMOVE (E) SINK & BASE CABINET. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.29 REMOVE (E) TILE AND/OR FRP WAINSCOTING. PREP WALL FOR (N) FINISHES
DN.30 REMOVE (E) MOP HOLDER. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.31 REMOVE (E) OPERABLE PARTITION, DOOR AND ASSOCIATED HARDWARE, TRIM, FINISHES & FRAMING AT HEAD AND JAMBS. PREP OPENING TO RECEIVE (N) INFILL FRAMED WALL AND FINISHES.
DN.32 REMOVE (E) DOOR AND HARDWARE. FRAME TO REMAIN. SEE DETAILS FOR METAL WALL PANEL INFILL AND FINISHES WHERE OCCURS.
DN.33 REMOVE (E) PARTITION, PATCH (E) FINISHES TO MATCH SURROUNDING FINISHES WHERE WALL IS SHOWN NOT BE REPLACED.
DN.34 REMOVE (E) DOORS, FRAMES WALL FINISHES, WALL FRAMING, INTERIOR SHELVING & CASEWORK WHERE SHOWN BROKEN LINE. PATCH & REFINISH SOFFIT, WALLS AND WALKWAY WHERE DAMAGED BY REMOVAL OF STRUCTURE.
DN.35 REMOVE (E) MAP RAIL. PATCH HOLES AND PREP FOR PAINT.
DN.36 REMOVE (E) PARTIAL HEIGHT PLUMBING CHASE WALL AND PREP SURROUNDING FINISHES FOR INSTALLATION OF (N) PARTIAL HEIGHT PLUMBING CHASE WALL-SEE STRUCTURAL.
DN.37 REMOVE (E) REGISTERS AND LIGHT FIXTURES. TEMPORARILY DISCONNECT FIRE ALARM AND OTHER LOW VOLTAGE SYSTEM CONDUIT, CABLES AND ALL COMPONENTS AS REQUIRED TO REMOVE (E) CEILING TILE AND GYP. BD. UNDERLAYMENT.
DN.38 PROTECT (E) CHEMICAL STORAGE CABINET EXHAUST AIR FLUE FOR FUTURE CONNECTION TO (N) CHEMICAL STORAGE CABINETS.
DN.39 REMOVE (E) DOOR, FRAME AND ANY TRIM. PREP OPENING FOR (N) DOOR, FRAME AND FINISHES.
DN.40 REMOVE (E) DOOR, FRAME AND HARDWARE. FRAME IN OPENING AND FINISH TO MATCH ADJACENT FINISHES.
DN.41 REMOVE (E) PLUMBING EQUIPMENT ITEM AND ASSOCIATED PIPING. CAP PIPING BEHIND FINISHES AND PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.42 TEMPORARILY REMOVE (E) CEILING AND/OR WALL MOUNTED FIRE ALARM, INTRUSION ALARM OR OTHER COMPONENTS THAT ARE IN CONFLICT WITH REPLACEMENT OF (E) CEILING FINISHES W/ (N) CEILING FINISHES. REMOVE OR PROTECT IN PLACE ALL COMPONENTS THAT ARE TO BE RE-INSTALLED.
DN.43 REMOVE (E) ACOUSTICAL CEILING TILE & GYPSUM WALLBOARD (UNDER CEILING TILE) DOWN TO FRAMING (ROOF OR CEILING JOISTS).
DN.44 REMOVE (E) POWER/SIGNAL POLES-SEE ELECTRICAL. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.45 REMOVE (E) DOOR, FRAME AND ADJACENT WALL AS INDICATED. PROVIDE H.M. CASED OPENING
DN.46 REMOVE (E) WALK-IN REFRIGERATOR AND FREEZER UNITS & RAMPS. PREP (E) WALLS, CEILING AND FLOOR AS REQUIRED TO CONSTRUCT (N) DRY STORAGE PARTITIONS AND DOOR OR TO INSTALL (N) WALK-IN REFER/FREEZER UNIT.
DN.47 VERIFY/LOCATE UNDERSLAB UTILITIES PRIOR TO DEMO & THEN REMOVE (E) FLOOR FINISH AND FLOOR SLAB (HATCHED AREA)-SEE STRUCTURAL FOR ADDITIONAL DEMO REQUIREMENTS AND (N) SLAB POUR-BACK. SEE FOOD SERVICE DRAWINGS FOR (N) WALK-IN FLOOR REQUIREMENTS

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT STEPHEN L. HENRY C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

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DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

DEMOLITION, FLOOR & REFLECTED CEILING PLANS - BUILDING C

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
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UPDATED 2/07/23		

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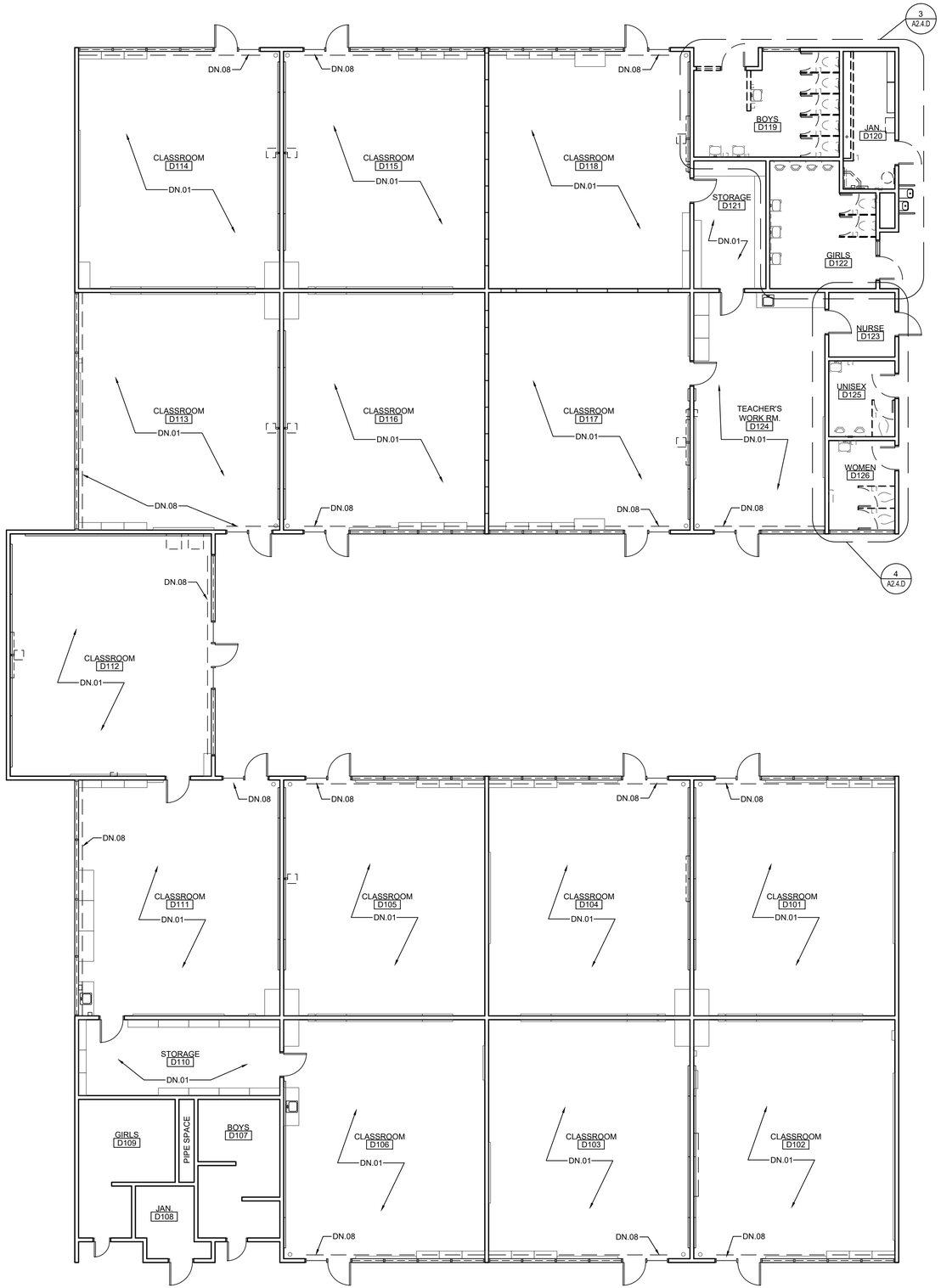

1 A2.1.D DEMOLITION PLAN - BUILDING D

SCALE: 1/8" =1'-0" 0 4' 16' 2' 8'

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

DEMOLITION NOTES

NOTE: NOT ALL NOTES MAY BE USED

DN.01 THERE ARE NO ITEMS BEING REMOVED IN THIS ROOM EXCEPT AS MAY BE SHOWN HERE OR OTHER PLAN SHEETS. SEE ARCHITECTURAL FLOOR PLAN AND INTERIOR ELEVATIONS FOR WORK SCOPE IMPROVEMENTS

DN.02 REMOVE (E) DOOR, SIDELIGHT PANEL, TRANSOM GLAZING AND ENTIRE FRAME. PROTECT IN PLACE AND/OR SALVAGE ANY INTRUSION ALARM COMPONENTS FOR FUTURE INSTALLATION AND CONNECTION

DN.03 REMOVE (E) CASEWORK

DN.04 REMOVE (E) DRY MARKER BOARDS & TACKBOARDS

DN.05 REMOVE (E) PROJECTION SCREEN AND/OR MOUNTING BOARD

DN.06 REMOVE (E) PROJECTOR AND DELIVER TO DISTRICT

DN.07 REMOVE (E) FIRE EXTINGUISHER & HANGER. STORE AND PROTECT FOR FUTURE REINSTALLATION

DN.08 REMOVE ALL (E) WINDOW COVERINGS & TRACKS

DN.09 REMOVE (E) LIGHT FIXTURES AT CEILING THROUGHOUT - SEE ELECTRICAL

DN.10 REMOVE (E) DATA NETWORKING/DISTRIBUTION EQUIPMENT IF NECESSARY TO NEW PERFORM WORK OR PROTECT IN PLACE

DN.11 REMOVE (E) COAT HOOK BOARD OR PROJECTION SCREEN MOUNTING BOARD. PATCH HOLES & PREP FOR PAINT.

DN.12 REMOVE (E) CHEMICAL STORAGE CABINET PROTECT AND DELIVER TO DISTRICT FOR POSSIBLE REINSTALLATION.

DN.13 REMOVE (E) FAN/REGISTER AND PATCH BACK WITH (N) FINISH OR (N) FURRED WALL - SEE PLUMBING

DN.14 DIMENSIONS PROVIDED ARE BASED ON (E) DIMENSIONS TAKEN IN THE FIELD. THIS PLUMBING FIXTURE WILL/MAY NEED TO MOVE LATERALLY AND/OR UP-DOWN TO ALLOW FOR PROPER ACCESSIBLE CLEARANCES PER SHEET A0.1. CONTRACTOR TO COORDINATE EXACT FINAL LOCATION AND REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.14.1 REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.15 PREP (E) FLOOR AS REQUIRED TO INSTALL NEW FLOOR FINISH. VERIFY FLOOR SLOPE DOES NOT EXCEED 2% IN ANY DIRECTION.

DN.16 REMOVE (E) TOILET PARTITION, DOOR AND MOUNTING HARDWARE. STORE AND PROTECT FOR FUTURE REINSTALLATION

DN.17 REMOVE (E) LAVATORY, FAUCET, DRAIN ASSEMBLY & INSULATION. REMOVE (E) CARRIER WHERE LAVATORY WILL BE RELOCATED. STORE AND PROTECT FOR FUTURE REINSTALLATION - SEE PLUMBING FOR REQUIRED (N) COMPONENTS. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.18 REMOVE (E) TOILET & FLUSH VALVE ASSEMBLY. REMOVE (E) CARRIER WHERE TOILET WILL BE RELOCATED. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.19 REMOVE (E) URINAL & FLUSH VALVE ASSEMBLY. REMOVE (E) CARRIER WHERE URINAL WILL BE RELOCATED. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.20 REMOVE (E) FLOOR MOUNT TOILET. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES WHERE (N) TOILET WILL NOT BE INSTALLED.

DN.21 REMOVE (E) TOILET ROOM ACCESSORIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.22 REMOVE (E) TOILET PARTITION AND MOUNTING HARDWARE. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.23 REMOVE, STORE, PROTECT AND RE-INSTALL (E) CORNER GUARDS EA. SIDE OF OPENING.

DN.24 REMOVE (E) WALL MOUNT TOILET. CUT BACK CARRIER BOLTS AS REQUIRED FOR (N) WALL FINISH - SEE PLUMBING FOR CAPPING OF UTILITIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.25 REMOVE (E) FRP WAINSCOTING. PREP GYPSUM WALLBOARD AS REQUIRED FOR INSTALLATION OF (N) FRP WALL FINISH

DN.26 REMOVE (E) MOP SINK - SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.27 REMOVE (E) WATER HEATER - SEE PLUMBING & ELECTRICAL. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.28 REMOVE (E) SINK & BASE CABINET. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.29 REMOVE (E) TILE AND/OR FRP WAINSCOTING. PREP WALL FOR (N) FINISHES

DN.30 REMOVE (E) MOP HOLDER. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.31 REMOVE (E) OPERABLE PARTITION, DOOR AND ASSOCIATED HARDWARE, TRIM, FINISHES & FRAMING AT HEAD AND JAMBS. PREP OPENING TO RECEIVE (N) INFILL FRAMED WALL AND FINISHES.

DN.32 REMOVE (E) DOOR AND HARDWARE. FRAME TO REMAIN. SEE DETAILS FOR METAL WALL PANEL INFILL AND FINISHES WHERE OCCURS.

DN.33 REMOVE (E) PARTITION. PATCH (E) FINISHES TO MATCH SURROUNDING FINISHES WHERE WALL IS SHOWN NOT BE REPLACED.

DN.34 REMOVE (E) DOORS, FRAMES WALL FINISHES, WALL FRAMING, INTERIOR SHELVING & CASEWORK WHERE SHOWN BROKEN LINE. PATCH & REFINISH SOFFIT, WALLS AND WALKWAY WHERE DAMAGED BY REMOVAL OF STRUCTURE.

DN.35 REMOVE (E) MAP RAIL. PATCH HOLES AND PREP FOR PAINT.

DN.36 REMOVE (E) PARTIAL HEIGHT PLUMBING CHASE WALL AND PREP SURROUNDING FINISHES FOR INSTALLATION OF (N) PARTIAL HEIGHT PLUMBING CHASE WALL-SEE STRUCTURAL.

DN.37 REMOVE (E) REGISTERS AND LIGHT FIXTURES. TEMPORARILY DISCONNECT FIRE ALARM AND OTHER LOW VOLTAGE SYSTEM CONDUIT, CABLES AND ALL COMPONENTS AS REQUIRED TO REMOVE (E) CEILING TILE AND GYP. BD. UNDERLAYMENT.

DN.38 PROTECT (E) CHEMICAL STORAGE CABINET EXHAUST AIR FLUE FOR FUTURE CONNECTION TO (N) CHEMICAL STORAGE CABINETS.

DN.39 REMOVE (E) DOOR, FRAME AND ANY TRIM. PREP OPENING FOR (N) DOOR, FRAME AND FINISHES.

DN.40 REMOVE (E) DOOR, FRAME AND HARDWARE. FRAME IN OPENING AND FINISH TO MATCH ADJACENT FINISHES.

DN.41 REMOVE (E) PLUMBING EQUIPMENT ITEM AND ASSOCIATED PIPING. CAP PIPING BEHIND FINISHES AND PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.42 TEMPORARILY REMOVE (E) CEILING AND/OR WALL MOUNTED FIRE ALARM, INTRUSION ALARM OR OTHER COMPONENTS THAT ARE IN CONFLICT WITH REPLACEMENT OF (E) CEILING FINISHES W/ (N) CEILING FINISHES. REMOVE OR PROTECT IN PLACE ALL COMPONENTS THAT ARE TO BE RE-INSTALLED.

DN.43 REMOVE (E) ACOUSTICAL CEILING TILE & GYPSUM WALLBOARD (UNDER CEILING TILE) DOWN TO FRAMING (ROOF OR CEILING JOISTS).

DN.44 REMOVE (E) POWER/SIGNAL POLES-SEE ELECTRICAL. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.45 REMOVE (E) DOOR, FRAME AND ADJACENT WALL AS INDICATED. PROVIDE H.M. CASED OPENING

DN.46 REMOVE (E) WALK-IN REFRIGERATOR AND FREEZER UNITS & RAMPS. PREP (E) WALLS, CEILING AND FLOOR AS REQUIRED TO CONSTRUCT (N) DRY STORAGE PARTITIONS AND DOOR OR TO INSTALL (N) WALK-IN REFER/FREEZER UNIT.

DN.47 VERIFY/LOCATE UNDERSLAB UTILITIES PRIOR TO DEMO & THEN REMOVE (E) FLOOR FINISH AND FLOOR SLAB (HATCHED AREA)-SEE STRUCTURAL FOR ADDITIONAL DEMO REQUIREMENTS AND (N) SLAB POUR-BACK. SEE FOOD SERVICE DRAWINGS FOR (N) WALK-IN FLOOR REQUIREMENTS

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STEPHEN L. HENRY
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12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

DEMOLITION PLAN - BUILDING D

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
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UPDATED 2/07/23		

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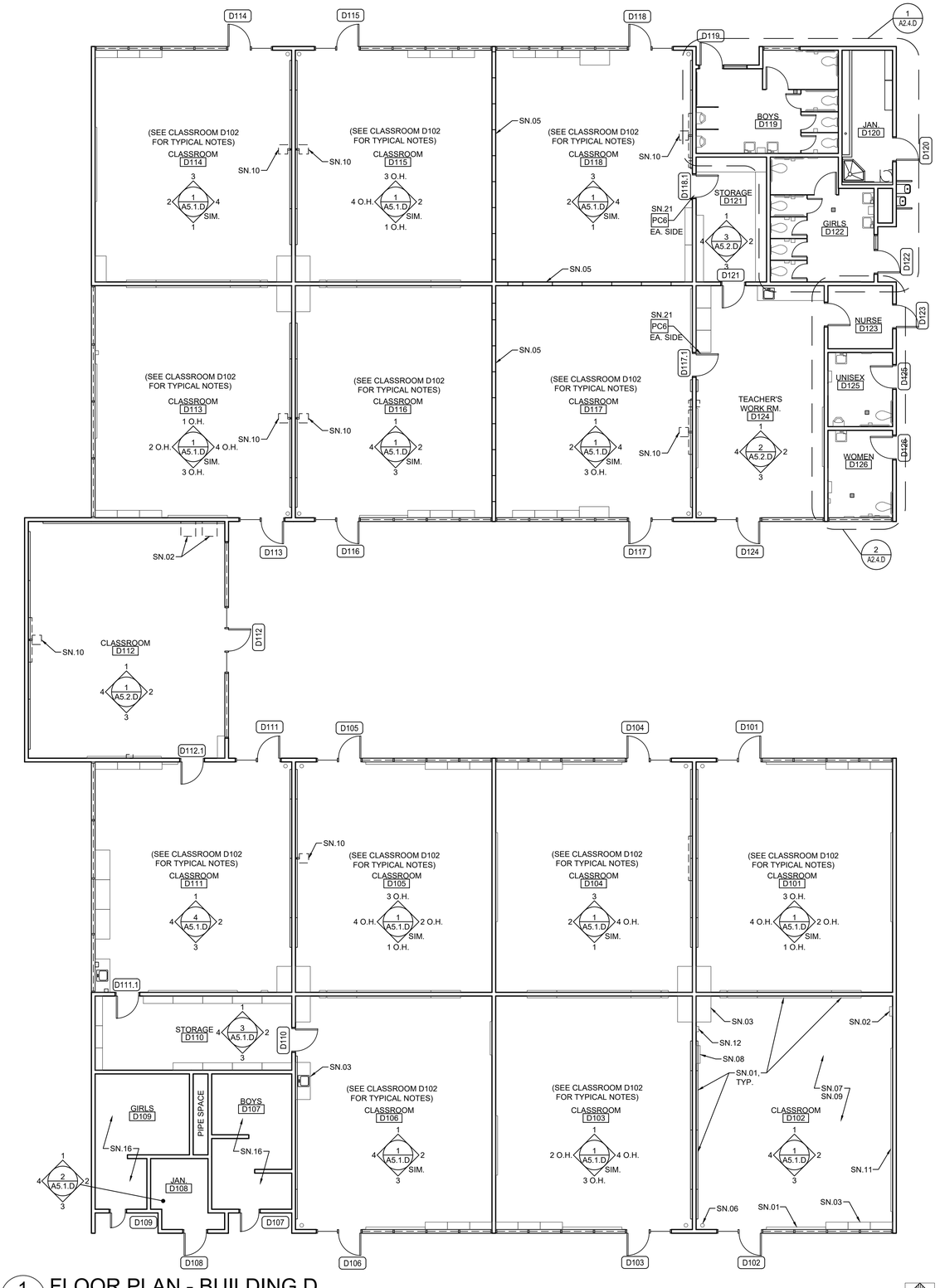

1 A2.2.D FLOOR PLAN - BUILDING D

SCALE: 1/8" =1'-0"

0 4' 16'

2' 8'

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED

SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED

SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED

SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED

SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS

SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.

SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS

SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED

SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.

SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.

SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.

SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.

SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT

SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.

SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE

SN.16 NO NEW WORK THIS SPACE

SN.17 ACCESSIBLE

SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.

SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED

SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREPD AND PAINTED ALONG WITH NEW WALL FINISH.

SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .

SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.

SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING

SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES, (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.

SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.

SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.

SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION

SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.

SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH

SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.

SN.31 PREP AND PAINT EXISTING WOOD SHELVING

SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION

SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL. - PAINT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

FLOOR PLAN - BUILDING D

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A2.2.D

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING

1 A2.3.D REFLECTED CEILING PLAN - BUILDING D

SCALE: 1/8" = 1'-0"

0 4' 8' 16' 32'

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS
SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED
SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.
SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.
SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.
SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE
SN.16 NO NEW WORK THIS SPACE
SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED
SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP'D AND PAINTED ALONG WITH NEW WALL FINISH.
SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED
SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING
SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES. (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.
SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION
SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
SN.31 PREP AND PAINT EXISTING WOOD SHELVING
SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL - PAINT.

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT STEPHEN L. HENRY C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

REFLECTED CEILING PLAN - BUILDING D

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
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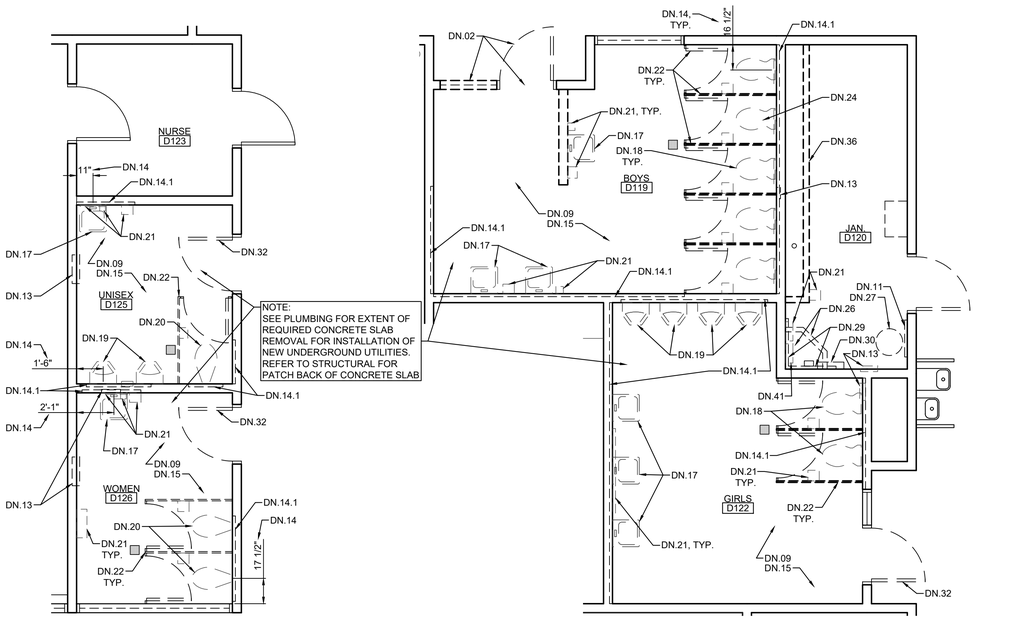
UPDATED 2/07/23		

SHEET NO.

A2.3.D

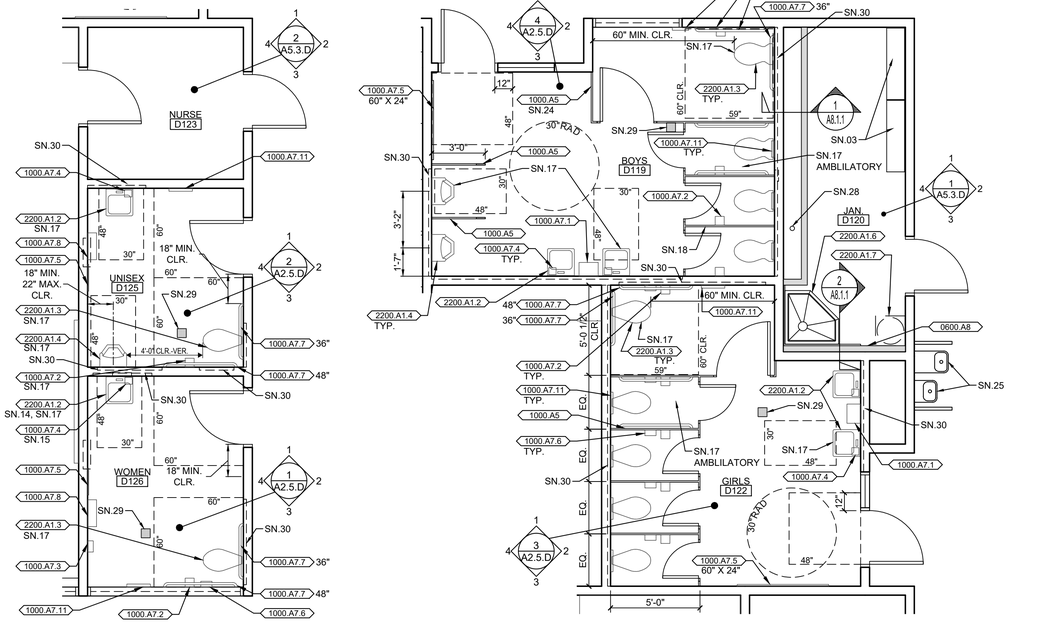


4 A2.4.D ENLARGED RESTROOM DEMO PLAN - BUILDING D

SCALE: 1/4" =1'-0"

3 A2.4.D ENLARGED RESTROOM DEMO PLAN - BUILDING D

SCALE: 1/4" =1'-0"



2 A2.4.D ENLARGED RESTROOM FLOOR PLAN - BUILDING D

SCALE: 1/4" =1'-0"

1 A2.4.D ENLARGED RESTROOM FLOOR PLAN - BUILDING D

SCALE: 1/4" =1'-0"

DEMOLITION NOTES

NOTE: NOT ALL NOTES MAY BE USED

DN.01 THERE ARE NO ITEMS BEING REMOVED IN THIS ROOM EXCEPT AS MAY BE SHOWN HERE OR OTHER PLAN SHEETS. SEE ARCHITECTURAL FLOOR PLAN AND INTERIOR ELEVATIONS FOR WORK SCOPE IMPROVEMENTS

DN.02 REMOVE (E) DOOR, SIDELIGHT PANEL, TRANSOM GLAZING AND ENTIRE FRAME. PROTECT IN PLACE AND/OR SALVAGE ANY INTRUSION ALARM COMPONENTS FOR FUTURE INSTALLATION AND CONNECTION

DN.03 REMOVE (E) CASEWORK

DN.04 REMOVE (E) DRY MARKER BOARDS & TACKBOARDS

DN.05 REMOVE (E) PROJECTION SCREEN AND/OR MOUNTING BOARD

DN.06 REMOVE (E) PROJECTOR AND DELIVER TO DISTRICT

DN.07 REMOVE (E) FIRE EXTINGUISHER & HANGER. STORE AND PROTECT FOR FUTURE REINSTALLATION

DN.08 REMOVE ALL (E) WINDOW COVERINGS & TRACKS

DN.09 REMOVE (E) LIGHT FIXTURES AT CEILING THROUGHOUT - SEE ELECTRICAL

DN.10 REMOVE (E) DATA NETWORKING/DISTRIBUTION EQUIPMENT IF NECESSARY TO NEW PERFORM WORK OR PROTECT IN PLACE

DN.11 REMOVE (E) COAT HOOK BOARD OR PROJECTION SCREEN MOUNTING BOARD. PATCH HOLES & PREP FOR PAINT.

DN.12 REMOVE (E) CHEMICAL STORAGE CABINET PROTECT AND DELIVER TO DISTRICT FOR POSSIBLE REINSTALLATION.

DN.13 REMOVE (E) FAN/REGISTER AND PATCH BACK WITH (N) FINISH OR (N) FURRED WALL - SEE PLUMBING

DN.14 DIMENSIONS PROVIDED ARE BASED ON (E) DIMENSIONS TAKEN IN THE FIELD. THIS PLUMBING FIXTURE WILL/MAY NEED TO MOVE LATERALLY AND/OR UP-DOWN TO ALLOW FOR PROPER ACCESSIBLE CLEARANCES PER SHEET A0.1. CONTRACTOR TO COORDINATE EXACT FINAL LOCATION AND REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.14.1 REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.15 PREP (E) FLOOR AS REQUIRED TO INSTALL NEW FLOOR FINISH. VERIFY FLOOR SLOPE DOES NOT EXCEED 2% IN ANY DIRECTION.

DN.16 REMOVE (E) TOILET PARTITION, DOOR AND MOUNTING HARDWARE. STORE AND PROTECT FOR FUTURE REINSTALLATION

DN.17 REMOVE (E) LAVATORY, FAUCET, DRAIN ASSEMBLY & INSULATION. REMOVE (E) CARRIER WHERE LAVATORY WILL BE RELOCATED. STORE AND PROTECT FOR FUTURE REINSTALLATION - SEE PLUMBING FOR REQUIRED (N) COMPONENTS. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.18 REMOVE (E) TOILET & FLUSH VALVE ASSEMBLY. REMOVE (E) CARRIER WHERE TOILET WILL BE RELOCATED. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.19 REMOVE (E) URINAL & FLUSH VALVE ASSEMBLY. REMOVE (E) CARRIER WHERE URINAL WILL BE RELOCATED. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.20 REMOVE (E) FLOOR MOUNT TOILET. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES WHERE (N) TOILET WILL NOT BE INSTALLED

DN.21 REMOVE (E) TOILET ROOM ACCESSORIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.22 REMOVE (E) TOILET PARTITION AND MOUNTING HARDWARE. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.23 REMOVE, STORE, PROTECT AND RE-INSTALL (E) CORNER GUARDS EA. SIDE OF OPENING.

DN.24 REMOVE (E) WALL MOUNT TOILET. CUT BACK CARRIER BOLTS AS REQUIRED FOR (N) WALL FINISH - SEE PLUMBING FOR CAPPING OF UTILITIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.25 REMOVE (E) FRP WAINSCOTING. PREP GYPSUM WALLBOARD AS REQUIRED FOR INSTALLATION OF (N) FRP WALL FINISH

DN.26 REMOVE (E) MOP SINK - SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.27 REMOVE (E) WATER HEATER - SEE PLUMBING & ELECTRICAL. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.28 REMOVE (E) SINK & BASE CABINET. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.29 REMOVE (E) TILE AND/OR FRP WAINSCOTING. PREP WALL FOR (N) FINISHES

DN.30 REMOVE (E) MOP HOLDER. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.31 REMOVE (E) OPERABLE PARTITION. DOOR AND ASSOCIATED HARDWARE. TRIM, FINISHES & FRAMING AT HEAD AND JAMBS. PREP OPENING TO RECEIVE (N) INFILL FRAMED WALL AND FINISHES.

DN.32 REMOVE (E) DOOR AND HARDWARE. FRAME TO REMAIN. SEE DETAILS FOR METAL WALL PANEL INFILL AND FINISHES WHERE OCCURS.

DN.33 REMOVE (E) PARTITION. PATCH (E) FINISHES TO MATCH SURROUNDING FINISHES WHERE WALL IS SHOWN NOT BE REPLACED.

DN.34 REMOVE (E) DOORS, FRAMES WALL FINISHES, WALL FRAMING, INTERIOR SHELVING & CASEWORK WHERE SHOWN BROKEN LINE. PATCH & REFINISH SOFFIT, WALLS AND WALKWAY WHERE DAMAGED BY REMOVAL OF STRUCTURE.

DN.35 REMOVE (E) MAP RAIL. PATCH HOLES AND PREP FOR PAINT.

DN.36 REMOVE (E) PARTIAL HEIGHT PLUMBING CHASE WALL AND PREP SURROUNDING FINISHES FOR INSTALLATION OF (N) PARTIAL HEIGHT PLUMBING CHASE WALL-SEE STRUCTURAL.

DN.37 REMOVE (E) REGISTERS AND LIGHT FIXTURES. TEMPORARILY DISCONNECT FIRE ALARM AND OTHER LOW VOLTAGE SYSTEM CONDUIT, CABLES AND ALL COMPONENTS AS REQUIRED TO REMOVE (E) CEILING TILE AND GYP. BD. UNDERLAYMENT.

DN.38 PROTECT (E) CHEMICAL STORAGE CABINET EXHAUST AIR FLUE FOR FUTURE CONNECTION TO (N) CHEMICAL STORAGE CABINETS.

DN.39 REMOVE (E) DOOR, FRAME AND ANY TRIM. PREP OPENING FOR (N) DOOR, FRAME AND FINISHES.

DN.40 REMOVE (E) DOOR, FRAME AND HARDWARE. FRAME IN OPENING AND FINISH TO MATCH ADJACENT FINISHES.

DN.41 REMOVE (E) PLUMBING EQUIPMENT ITEM AND ASSOCIATED PIPING. CAP PIPING BEHIND FINISHES AND PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.42 TEMPORARILY REMOVE (E) CEILING AND/OR WALL MOUNTED FIRE ALARM, INTRUSION ALARM OR OTHER COMPONENTS THAT ARE IN CONFLICT WITH REPLACEMENT OF (E) CEILING FINISHES W/ (N) CEILING FINISHES. REMOVE OR PROTECT IN PLACE ALL COMPONENTS THAT ARE TO BE RE-INSTALLED

DN.43 REMOVE (E) ACOUSTICAL CEILING TILE & GYPSUM WALLBOARD (UNDER CEILING TILE) DOWN TO FRAMING (ROOF OR CEILING JOISTS).

DN.44 REMOVE (E) POWER/SIGNAL POLES-SEE ELECTRICAL. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.45 REMOVE (E) DOOR, FRAME AND ADJACENT WALL AS INDICATED. PROVIDE H.M. CASED OPENING

DN.46 REMOVE (E) WALK-IN REFRIGERATOR AND FREEZER UNITS & RAMPS. PREP (E) WALLS, CEILING AND FLOOR AS REQUIRED TO CONSTRUCT (N) DRY STORAGE PARTITIONS AND DOOR OR TO INSTALL (N) WALK-IN REFER/FREEZER UNIT.

DN.47 VERIFY/LOCATE UNDERSLAB UTILITIES PRIOR TO DEMO & THEN REMOVE (E) FLOOR FINISH AND FLOOR SLAB (HATCHED AREA)-SEE STRUCTURAL FOR ADDITIONAL DEMO REQUIREMENTS AND (N) SLAB POUR-BACK. SEE FOOD SERVICE DRAWINGS FOR (N) WALK-IN FLOOR REQUIREMENTS

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED

SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED

SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED

SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED

SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS

SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.

SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS

SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED

SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.

SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.

SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.

SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.

SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT

SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.

SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE

SN.16 NO NEW WORK THIS SPACE

SN.17 ACCESSIBLE

SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.

SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED

SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREPD AND PAINTED ALONG WITH NEW WALL FINISH.

SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED

SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.

SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING

SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES, (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.

SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.

SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.

SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION

SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.

SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH

SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.

SN.31 PREP AND PAINT EXISTING WOOD SHELVING

SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION

SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE, TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL - PAINT.

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES

0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS

0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED

0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES

1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT

1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS

1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING

2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

ENLARGED TOILET
DEMOLITION & FLOOR
PLANS - BUILDING D

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A2.4.D

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
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2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING

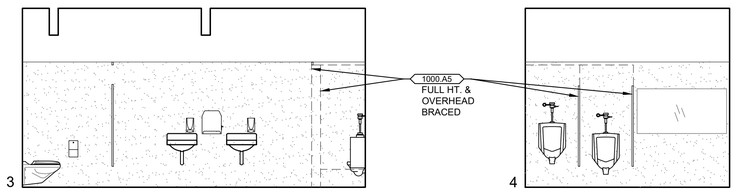
GENERAL NOTES

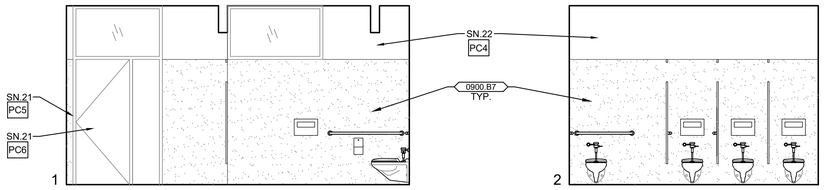
1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

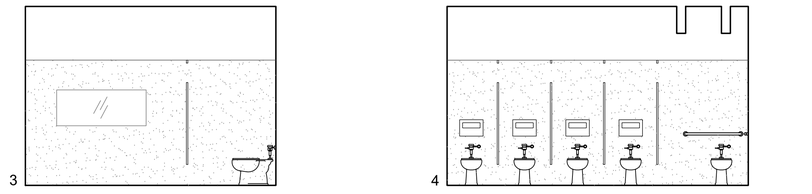
SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS
SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED
SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.
SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.
SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.
SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE
SN.16 NO NEW WORK THIS SPACE
SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED
SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP'D AND PAINTED ALONG WITH NEW WALL FINISH.
SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .
SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING
SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES, (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.
SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION
SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
SN.31 PREP AND PAINT EXISTING WOOD SHELVING
SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL - PAINT.

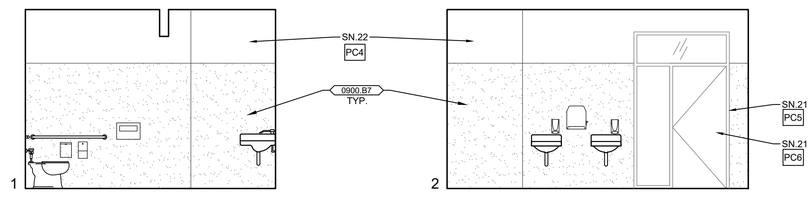




4 A2.5.D INTERIOR ELEVATIONS - BOYS D119

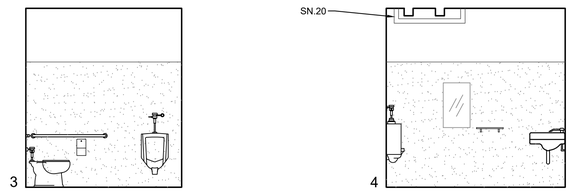
SCALE: 1/4" =1'-0"

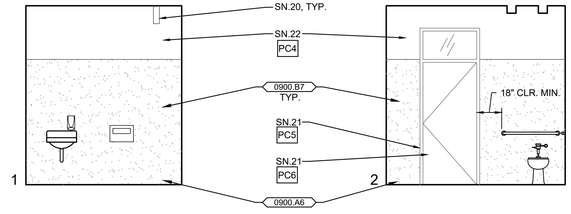




3 A2.5.D INTERIOR ELEVATIONS - GIRLS D122

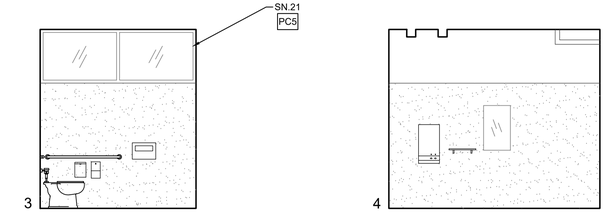
SCALE: 1/4" =1'-0"

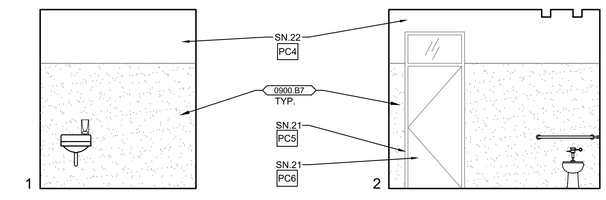




2 A2.5.D INTERIOR ELEVATIONS - UNISEX D125

SCALE: 1/4" =1'-0"





1 A2.5.D INTERIOR ELEVATIONS - WOMEN D126

SCALE: 1/4" =1'-0"

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

LICENSED ARCHITECT STEPHEN L. HENRY C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

INTERIOR ELEVATIONS - BUILDING D

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A2.5.D

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

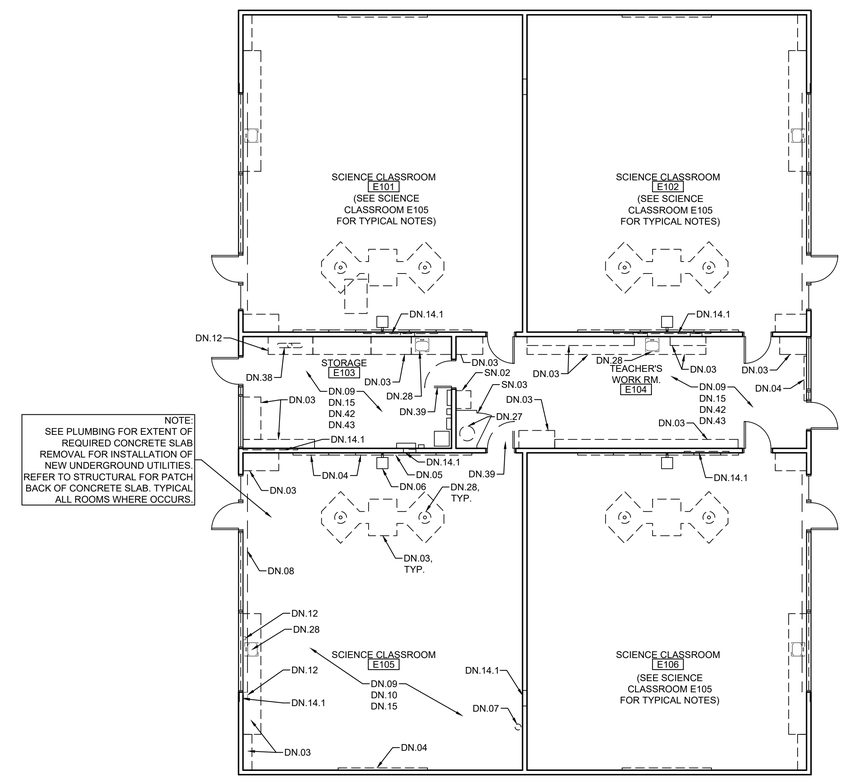
1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

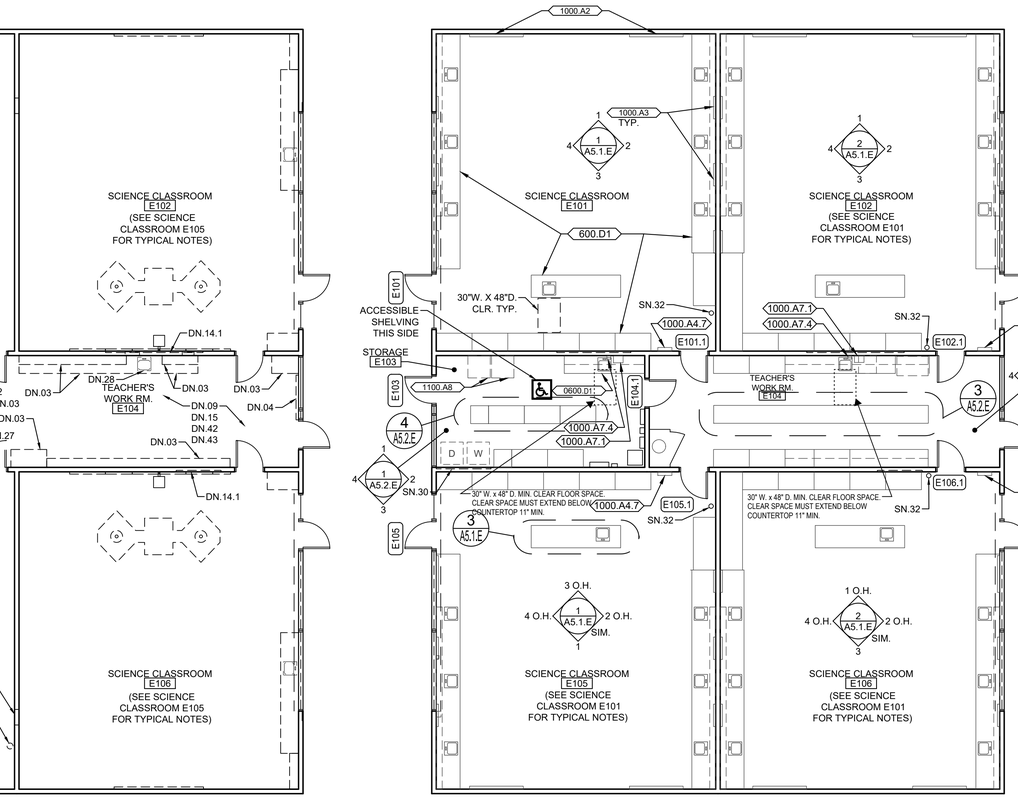
2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.



2 A2.1.E DEMOLITION PLAN - BUILDING E
SCALE: 1/8" =1'-0" 0 4' 16' 2' 8' NORTH



1 A2.1.E FLOOR PLAN - BUILDING E
SCALE: 1/8" =1'-0" 0 4' 16' 2' 8' NORTH

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS
SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED
SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.
SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.
SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.
SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE
SN.16 NO NEW WORK THIS SPACE
SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED
SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP'D AND PAINTED ALONG WITH NEW WALL FINISH.
SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .
SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING
SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES, (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH, FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.
SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION
SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
SN.31 PREP AND PAINT EXISTING WOOD SHELVING
SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL. - PAINT.

DEMOLITION NOTES

NOTE: NOT ALL NOTES MAY BE USED

DN.01 THERE ARE NO ITEMS BEING REMOVED IN THIS ROOM EXCEPT AS MAY BE SHOWN HERE OR OTHER PLAN SHEETS. SEE ARCHITECTURAL FLOOR PLAN AND INTERIOR ELEVATIONS FOR WORK SCOPE IMPROVEMENTS
DN.02 REMOVE (E) DOOR, SIDELIGHT PANEL, TRANSOM GLAZING AND ENTIRE FRAME. PROTECT IN PLACE AND/OR SALVAGE ANY INTRUSION ALARM COMPONENTS FOR FUTURE INSTALLATION AND CONNECTION
DN.03 REMOVE (E) CASEWORK
DN.04 REMOVE (E) DRY MARKER BOARDS & TACKBOARDS
DN.05 REMOVE (E) PROJECTION SCREEN AND/OR MOUNTING BOARD
DN.06 REMOVE (E) PROJECTOR AND DELIVER TO DISTRICT
DN.07 REMOVE (E) FIRE EXTINGUISHER & HANGER. STORE AND PROTECT FOR FUTURE REINSTALLATION
DN.08 REMOVE ALL (E) WINDOW COVERINGS & TRACKS
DN.09 REMOVE (E) LIGHT FIXTURES AT CEILING THROUGHOUT - SEE ELECTRICAL
DN.10 REMOVE (E) DATA NETWORKING/DISTRIBUTION EQUIPMENT IF NECESSARY TO NEW PERFORM WORK OR PROTECT IN PLACE
DN.11 REMOVE (E) COAT HOOK BOARD OR PROJECTION SCREEN MOUNTING BOARD. PATCH HOLES & PREP FOR PAINT.
DN.12 REMOVE (E) CHEMICAL STORAGE CABINET PROTECT AND DELIVER TO DISTRICT FOR POSSIBLE REINSTALLATION.
DN.13 REMOVE (E) FAN/REGISTER AND PATCH BACK WITH (N) FINISH OR (N) FURRED WALL - SEE PLUMBING
DN.14 DIMENSIONS PROVIDED ARE BASED ON (E) DIMENSIONS TAKEN IN THE FIELD. THIS PLUMBING FIXTURE WILL MAY NEED TO MOVE LATERALLY AND/OR UP-DOWN TO ALLOW FOR PROPER ACCESSIBLE CLEARANCES PER SHEET A0.1. CONTRACTOR TO COORDINATE EXACT FINAL LOCATION AND REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE, CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.14.1 REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.15 PREP (E) FLOOR AS REQUIRED TO INSTALL NEW FLOOR FINISH. VERIFY FLOOR SLOPE DOES NOT EXCEED 2% IN ANY DIRECTION.
DN.16 REMOVE (E) TOILET PARTITION, DOOR AND MOUNTING HARDWARE. STORE AND PROTECT FOR FUTURE REINSTALLATION
DN.17 REMOVE (E) LAVATORY, FAUCET, DRAIN ASSEMBLY & INSULATION. REMOVE (E) CARRIER WHERE LAVATORY WILL BE RELOCATED. STORE AND PROTECT FOR FUTURE REINSTALLATION - SEE PLUMBING FOR REQUIRED (N) COMPONENTS. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.18 REMOVE (E) TOILET & FLUSH VALVE ASSEMBLY. REMOVE (E) CARRIER WHERE TOILET WILL BE RELOCATED. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.19 REMOVE (E) URINAL & FLUSH VALVE ASSEMBLY. REMOVE (E) CARRIER WHERE URINAL WILL BE RELOCATED. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.20 REMOVE (E) FLOOR MOUNT TOILET. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES WHERE (N) TOILET WILL NOT BE INSTALLED.
DN.21 REMOVE (E) TOILET ROOM ACCESSORIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.22 REMOVE (E) TOILET PARTITION AND MOUNTING HARDWARE. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.23 REMOVE, STORE, PROTECT AND RE-INSTALL (E) CORNER GUARDS EA. SIDE OF OPENING.
DN.24 REMOVE (E) WALL MOUNT TOILET. CUT BACK CARRIER BOLTS AS REQUIRED FOR (N) WALL FINISH - SEE PLUMBING FOR CAPPING OF UTILITIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.25 REMOVE (E) FRP WAINSCOTING. PREP GYPSUM WALLBOARD AS REQUIRED FOR INSTALLATION OF (N) FRP WALL FINISH
DN.26 REMOVE (E) MOP SINK - SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.27 REMOVE (E) WATER HEATER - SEE PLUMBING & ELECTRICAL. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.28 REMOVE (E) SINK & BASE CABINET. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.29 REMOVE (E) TILE AND/OR FRP WAINSCOTING. PREP WALL FOR (N) FINISHES
DN.30 REMOVE (E) MOP HOLDER. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.31 REMOVE (E) OPERABLE PARTITION, DOOR AND ASSOCIATED HARDWARE. TRIM, FINISHES & FRAMING AT HEAD AND JAMBS. PREP OPENING TO RECEIVE (N) INFILL FRAMED WALL AND FINISHES.
DN.32 REMOVE (E) DOOR AND HARDWARE. FRAME TO REMAIN. SEE DETAILS FOR METAL WALL PANEL INFILL AND FINISHES WHERE OCCURS.
DN.33 REMOVE (E) PARTITION. PATCH (E) FINISHES TO MATCH SURROUNDING FINISHES WHERE WALL IS SHOWN NOT BE REPLACED.
DN.34 REMOVE (E) DOORS, FRAMES WALL FINISHES, WALL FRAMING, INTERIOR SHELVING & CASEWORK WHERE SHOWN BROKEN LINE. PATCH & REFINISH SOFFIT, WALLS AND WALKWAY WHERE DAMAGED BY REMOVAL OF STRUCTURE.
DN.35 REMOVE (E) MAP RAIL. PATCH HOLES AND PREP FOR PAINT.
DN.36 REMOVE (E) PARTIAL HEIGHT PLUMBING CHASE WALL AND PREP SURROUNDING FINISHES FOR INSTALLATION OF (N) PARTIAL HEIGHT PLUMBING CHASE WALL-SEE STRUCTURAL.
DN.37 REMOVE (E) REGISTERS AND LIGHT FIXTURES. TEMPORARILY DISCONNECT FIRE ALARM AND OTHER LOW VOLTAGE SYSTEM CONDUIT, CABLES AND ALL COMPONENTS AS REQUIRED TO REMOVE (E) CEILING TILE AND GYP. BD. UNDERLAYMENT.
DN.38 PROTECT (E) CHEMICAL STORAGE CABINET EXHAUST AIR FLUE FOR FUTURE CONNECTION TO (N) CHEMICAL STORAGE CABINETS.
DN.39 REMOVE (E) DOOR, FRAME AND ANY TRIM. PREP OPENING FOR (N) DOOR, FRAME AND FINISHES.
DN.40 REMOVE (E) DOOR, FRAME AND HARDWARE. FRAME IN OPENING AND FINISH TO MATCH ADJACENT FINISHES.
DN.41 REMOVE (E) PLUMBING EQUIPMENT ITEM AND ASSOCIATED PIPING. CAP PIPING BEHIND FINISHES AND PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.42 TEMPORARILY REMOVE (E) CEILING AND/OR WALL MOUNTED FIRE ALARM, INTRUSION ALARM OR OTHER COMPONENTS THAT ARE IN CONFLICT WITH REPLACEMENT OF (E) CEILING FINISHES W/ (N) CEILING FINISHES. REMOVE OR PROTECT IN PLACE ALL COMPONENTS THAT ARE TO BE RE-INSTALLED.
DN.43 REMOVE (E) ACOUSTICAL CEILING TILE & GYPSUM WALLBOARD (UNDER CEILING TILE) DOWN TO FRAMING (ROOF OR CEILING JOISTS).
DN.44 REMOVE (E) POWER/SIGNAL POLES-SEE ELECTRICAL. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.45 REMOVE (E) DOOR, FRAME AND ADJACENT WALL AS INDICATED. PROVIDE H.M. CASED OPENING
DN.46 REMOVE (E) WALK-IN REFRIGERATOR AND FREEZER UNITS & RAMPS. PREP (E) WALLS, CEILING AND FLOOR AS REQUIRED TO CONSTRUCT (N) DRY STORAGE PARTITIONS AND DOOR OR TO INSTALL (N) WALK-IN REFER/FREEZER UNIT.
DN.47 VERIFY/LOCATE UNDERSLAB UTILITIES PRIOR TO DEMO & THEN REMOVE (E) FLOOR FINISH AND FLOOR SLAB (HATCHED AREA)-SEE STRUCTURAL FOR ADDITIONAL DEMO REQUIREMENTS AND (N) SLAB POUR-BACK. SEE FOOD SERVICE DRAWINGS FOR (N) WALK-IN FLOOR REQUIREMENTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT STEPHEN L. HENRY C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

DEMOLITION & FLOOR PLANS - BUILDING E

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A2.1.E

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

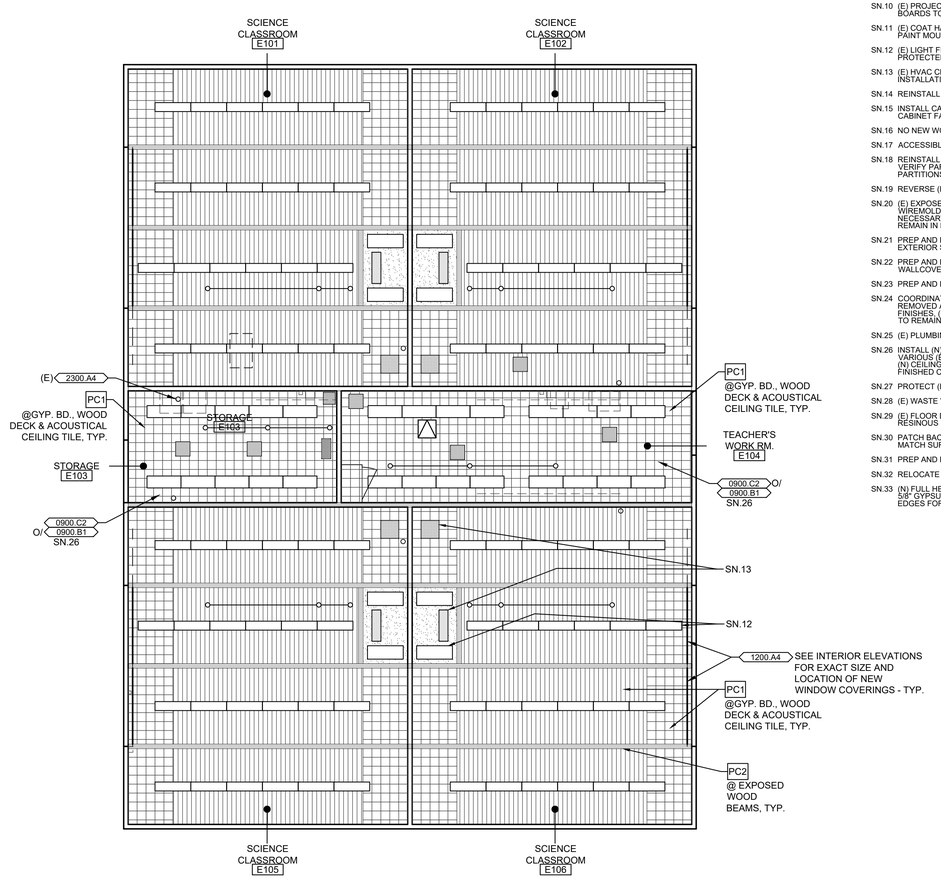
1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING



1 A2.2.E REFLECTED CEILING PLAN - BUILDING E

SCALE: 1/8" =1'-0"

0 2' 4' 8' 16'

NORTH

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS
SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED
SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.
SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.
SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.
SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE
SN.16 NO NEW WORK THIS SPACE
SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED
SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP'D AND PAINTED ALONG WITH NEW WALL FINISH.
SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .
SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING
SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES, (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.
SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION
SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
SN.31 PREP AND PAINT EXISTING WOOD SHELVING
SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL. - PAINT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

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Phone: 916.921.2112
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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT STEPHEN L. HENRY C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

REFLECTED CEILING PLAN - BUILDING E

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A2.2.E

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

DEMOLITION NOTES

NOTE: NOT ALL NOTES MAY BE USED

DN.01 THERE ARE NO ITEMS BEING REMOVED IN THIS ROOM EXCEPT AS MAY BE SHOWN HERE OR OTHER PLAN SHEETS. SEE ARCHITECTURAL FLOOR PLAN AND INTERIOR ELEVATIONS FOR WORK SCOPE IMPROVEMENTS

DN.02 REMOVE (E) DOOR, SIDELIGHT PANEL, TRANSOM GLAZING AND ENTIRE FRAME. PROTECT IN PLACE AND/OR SALVAGE ANY INTRUSION ALARM COMPONENTS FOR FUTURE INSTALLATION AND CONNECTION

DN.03 REMOVE (E) CASEWORK

DN.04 REMOVE (E) DRY MARKER BOARDS & TACKBOARDS

DN.05 REMOVE (E) PROJECTION SCREEN AND/OR MOUNTING BOARD

DN.06 REMOVE (E) PROJECTOR AND DELIVER TO DISTRICT

DN.07 REMOVE (E) FIRE EXTINGUISHER & HANGER. STORE AND PROTECT FOR FUTURE REINSTALLATION

DN.08 REMOVE ALL (E) WINDOW COVERINGS & TRACKS

DN.09 REMOVE (E) LIGHT FIXTURES AT CEILING THROUGHOUT - SEE ELECTRICAL

DN.10 REMOVE (E) DATA NETWORKING/DISTRIBUTION EQUIPMENT IF NECESSARY TO NEW PERFORM WORK OR PROTECT IN PLACE

DN.11 REMOVE (E) COAT HOOK BOARD OR PROJECTION SCREEN MOUNTING BOARD. PATCH HOLES & PREP FOR PAINT.

DN.12 REMOVE (E) CHEMICAL STORAGE CABINET PROTECT AND DELIVER TO DISTRICT FOR POSSIBLE REINSTALLATION.

DN.13 REMOVE (E) FAN/REGISTER AND PATCH BACK WITH (N) FINISH OR (N) FURRED WALL - SEE PLUMBING

DN.14 DIMENSIONS PROVIDED ARE BASED ON (E) DIMENSIONS TAKEN IN THE FIELD. THIS PLUMBING FIXTURE WILL/MAY NEED TO MOVE LATERALLY AND/OR UP-DOWN TO ALLOW FOR PROPER ACCESSIBLE CLEARANCES PER SHEET A0.1. CONTRACTOR TO COORDINATE EXACT FINAL LOCATION AND REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.14.1 REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.15 PREP (E) FLOOR AS REQUIRED TO INSTALL NEW FLOOR FINISH. VERIFY FLOOR SLOPE DOES NOT EXCEED 2% IN ANY DIRECTION.

DN.16 REMOVE (E) TOILET PARTITION, DOOR AND MOUNTING HARDWARE. STORE AND PROTECT FOR FUTURE REINSTALLATION

DN.17 REMOVE (E) LAVATORY, FAUCET, DRAIN ASSEMBLY & INSULATION. REMOVE (E) CARRIER WHERE LAVATORY WILL BE RELOCATED. STORE AND PROTECT FOR FUTURE REINSTALLATION - SEE PLUMBING FOR REQUIRED (N) COMPONENTS. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.18 REMOVE (E) TOILET & FLUSH VALVE ASSEMBLY. REMOVE (E) CARRIER WHERE TOILET WILL BE RELOCATED. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.19 REMOVE (E) URINAL & FLUSH VALVE ASSEMBLY. REMOVE (E) CARRIER WHERE URINAL WILL BE RELOCATED. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.20 REMOVE (E) FLOOR MOUNT TOILET. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES WHERE (N) TOILET WILL NOT BE INSTALLED.

DN.21 REMOVE (E) TOILET ROOM ACCESSORIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.22 REMOVE (E) TOILET PARTITION AND MOUNTING HARDWARE. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.23 REMOVE, STORE, PROTECT AND RE-INSTALL (E) CORNER GUARDS EA. SIDE OF OPENING.

DN.24 REMOVE (E) WALL MOUNT TOILET. CUT BACK CARRIER BOLTS AS REQUIRED FOR (N) WALL FINISH - SEE PLUMBING FOR CAPPING OF UTILITIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.25 REMOVE (E) FRP WAINSCOTING. PREP GYPSUM WALLBOARD AS REQUIRED FOR INSTALLATION OF (N) FRP WALL FINISH

DN.26 REMOVE (E) MOP SINK - SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.27 REMOVE (E) WATER HEATER - SEE PLUMBING & ELECTRICAL. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.28 REMOVE (E) SINK & BASE CABINET. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.29 REMOVE (E) TILE AND/OR FRP WAINSCOTING. PREP WALL FOR (N) FINISHES

DN.30 REMOVE (E) MOP HOLDER. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.31 REMOVE (E) OPERABLE PARTITION, DOOR AND ASSOCIATED HARDWARE, TRIM, FINISHES & FRAMING AT HEAD AND JAMBS. PREP OPENING TO RECEIVE (N) INFILL FRAMED WALL AND FINISHES.

DN.32 REMOVE (E) DOOR AND HARDWARE. FRAME TO REMAIN. SEE DETAILS FOR METAL WALL PANEL INFILL AND FINISHES WHERE OCCURS.

DN.33 REMOVE (E) PARTITION. PATCH (E) FINISHES TO MATCH SURROUNDING FINISHES WHERE WALL IS SHOWN NOT BE REPLACED.

DN.34 REMOVE (E) DOORS, FRAMES WALL FINISHES, WALL FRAMING, INTERIOR SHELVING & CASEWORK WHERE SHOWN BROKEN LINE. PATCH & REFINISH SOFFIT, WALLS AND WALKWAY WHERE DAMAGED BY REMOVAL OF STRUCTURE.

DN.35 REMOVE (E) MAP RAIL. PATCH HOLES AND PREP FOR PAINT.

DN.36 REMOVE (E) PARTIAL HEIGHT PLUMBING CHASE WALL AND PREP SURROUNDING FINISHES FOR INSTALLATION OF (N) PARTIAL HEIGHT PLUMBING CHASE WALL-SEE STRUCTURAL.

DN.37 REMOVE (E) REGISTERS AND LIGHT FIXTURES. TEMPORARILY DISCONNECT FIRE ALARM AND OTHER LOW VOLTAGE SYSTEM CONDUIT, CABLES AND ALL COMPONENTS AS REQUIRED TO REMOVE (E) CEILING TILE AND GYP. BD. UNDERLAYMENT.

DN.38 PROTECT (E) CHEMICAL STORAGE CABINET EXHAUST AIR FLUE FOR FUTURE CONNECTION TO (N) CHEMICAL STORAGE CABINETS.

DN.39 REMOVE (E) DOOR, FRAME AND ANY TRIM. PREP OPENING FOR (N) DOOR, FRAME AND FINISHES.

DN.40 REMOVE (E) DOOR, FRAME AND HARDWARE. FRAME IN OPENING AND FINISH TO MATCH ADJACENT FINISHES.

DN.41 REMOVE (E) PLUMBING EQUIPMENT ITEM AND ASSOCIATED PIPING. CAP PIPING BEHIND FINISHES AND PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.42 TEMPORARILY REMOVE (E) CEILING AND/OR WALL MOUNTED FIRE ALARM, INTRUSION ALARM OR OTHER COMPONENTS THAT ARE IN CONFLICT WITH REPLACEMENT OF (E) CEILING FINISHES W/ (N) CEILING FINISHES. REMOVE OR PROTECT IN PLACE ALL COMPONENTS THAT ARE TO BE RE-INSTALLED.

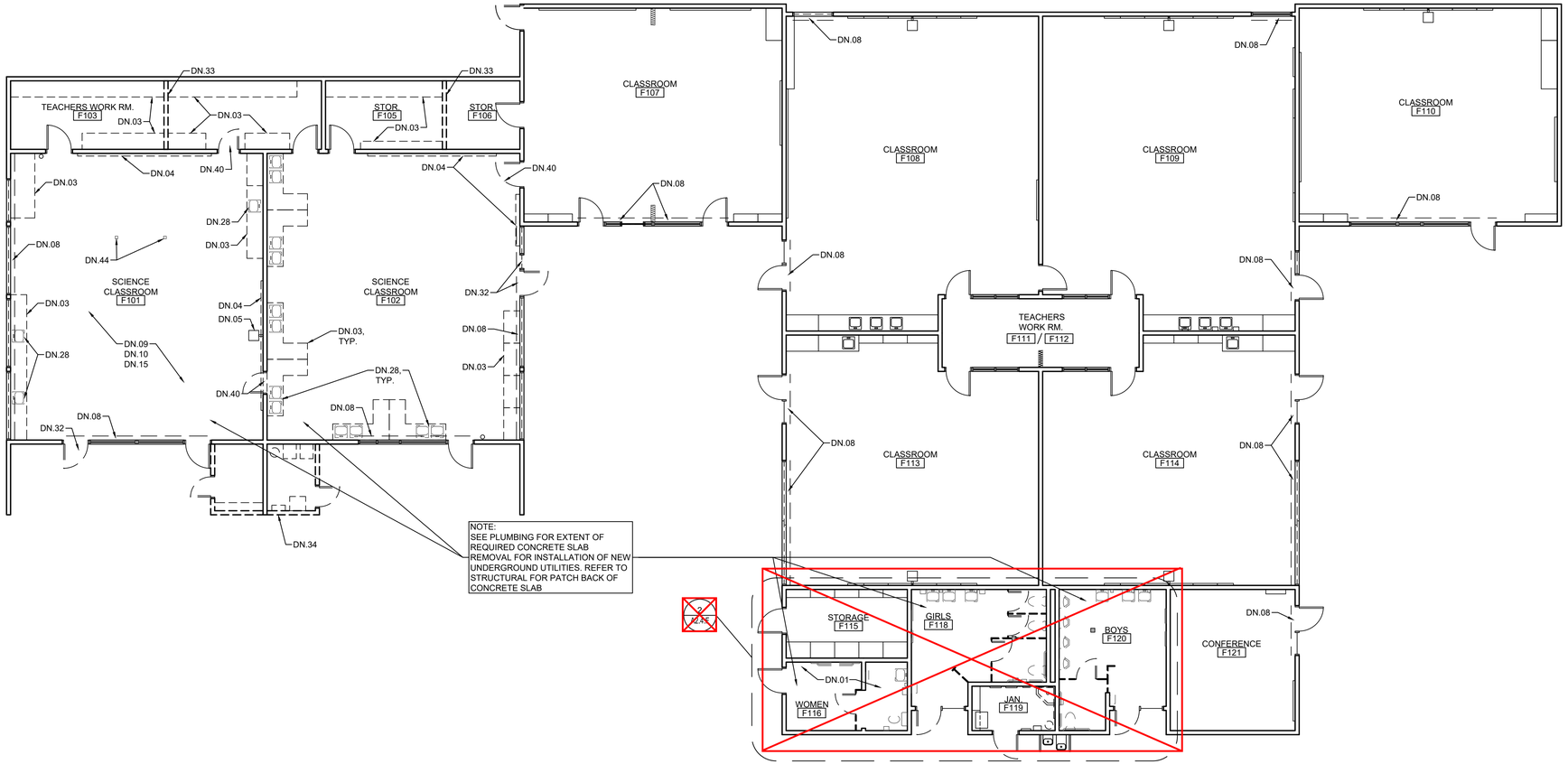
DN.43 REMOVE (E) ACOUSTICAL CEILING TILE & GYPSUM WALLBOARD (UNDER CEILING TILE) DOWN TO FRAMING (ROOF OR CEILING JOISTS).

DN.44 REMOVE (E) POWER/SIGNAL POLES-SEE ELECTRICAL. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.

DN.45 REMOVE (E) DOOR, FRAME AND ADJACENT WALL AS INDICATED. PROVIDE H.M. CASED OPENING

DN.46 REMOVE (E) WALK-IN REFRIGERATOR AND FREEZER UNITS & RAMPS. PREP (E) WALLS, CEILING AND FLOOR AS REQUIRED TO CONSTRUCT (N) DRY STORAGE PARTITIONS AND DOOR OR TO INSTALL (N) WALK-IN REFER/FREEZER UNIT.

DN.47 VERIFY/LOCATE UNDERSLAB UTILITIES PRIOR TO DEMO & THEN REMOVE (E) FLOOR FINISH AND FLOOR SLAB (HATCHED AREA)-SEE STRUCTURAL FOR ADDITIONAL DEMO REQUIREMENTS AND (N) SLAB POUR-BACK. SEE FOOD SERVICE DRAWINGS FOR (N) WALK-IN FLOOR REQUIREMENTS



1 A2.1.F DEMOLITION FLOOR PLAN - BUILDING F

SCALE: 1/8" =1'-0" 0 2' 4' 8' 16'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT STEPHEN L. HENRY C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

DEMOLITION PLAN - BUILDING F

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A2.1.F

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

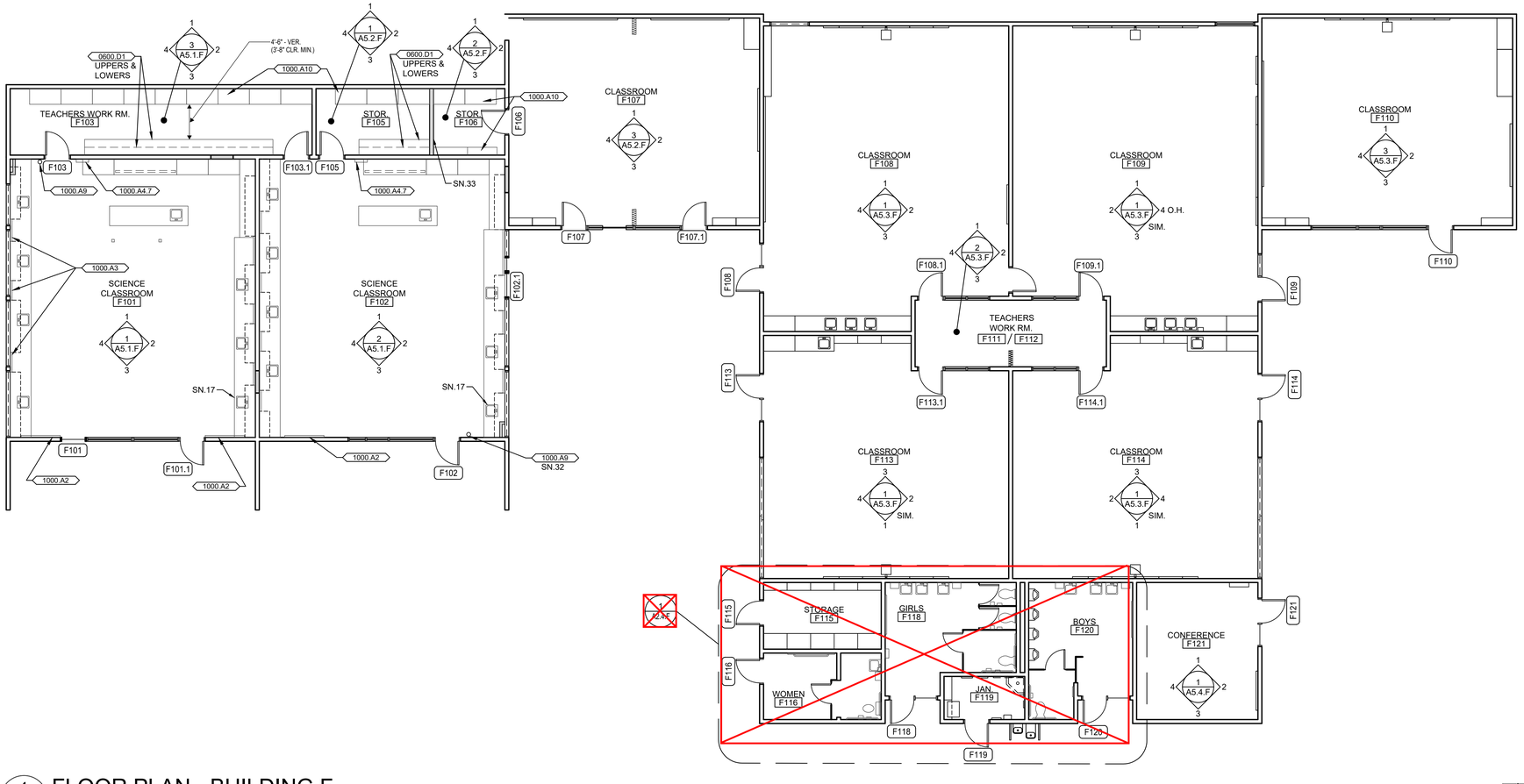
1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
.1 DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING



1 A2.2.F FLOOR PLAN - BUILDING F

SCALE: 1/8" =1'-0" 0 2' 4' 8' 16'

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS
SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED
SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.
SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.
SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.
SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE
SN.16 NO NEW WORK THIS SPACE
SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
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SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .
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SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
SN.31 PREP AND PAINT EXISTING WOOD SHELVING
SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL. - PAINT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT STEPHEN L. HENRY C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

FLOOR PLAN - BUILDING F

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A2.2.F

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

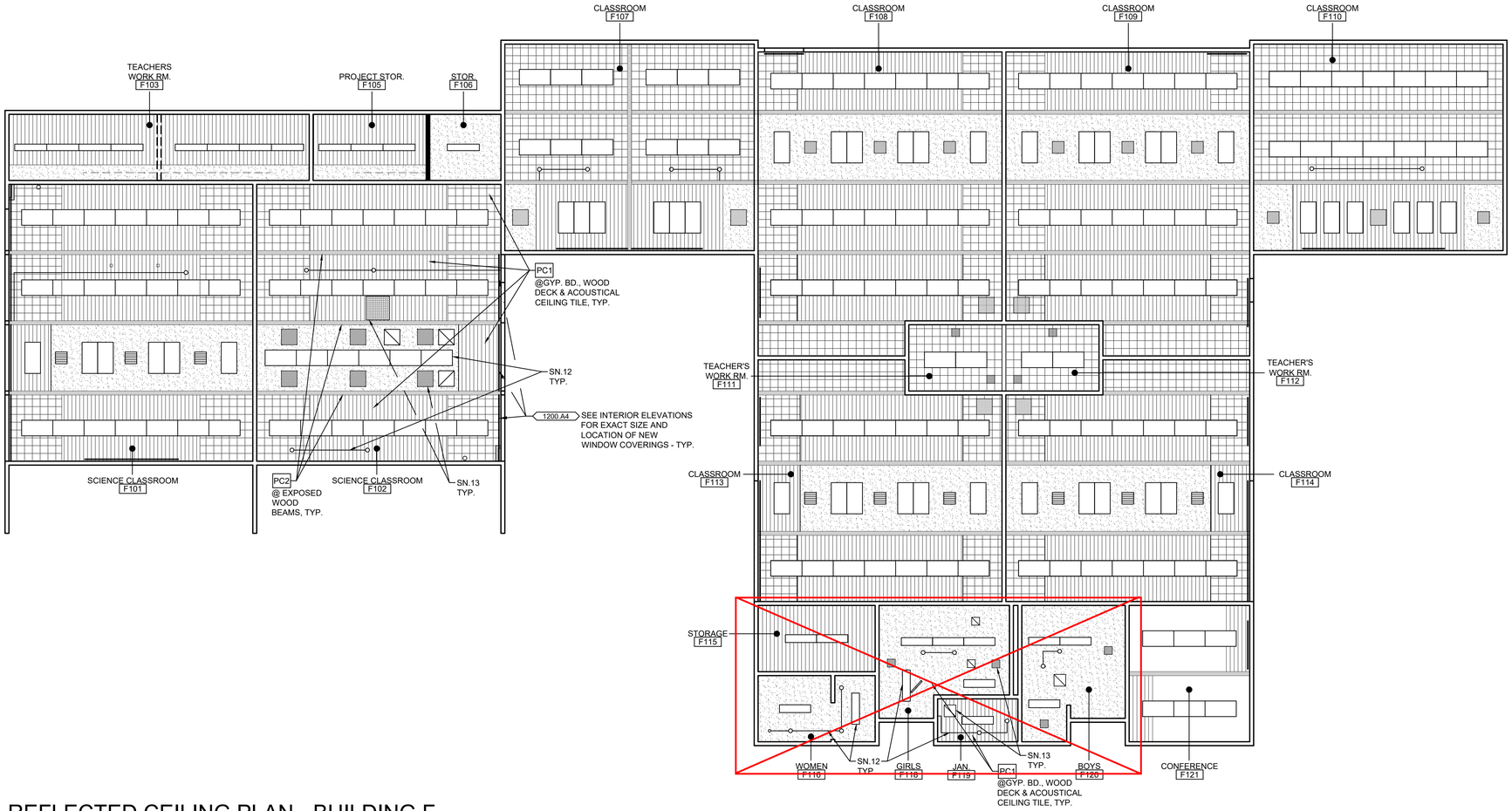
1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING



GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS
SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED
SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.
SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.
SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.
SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE
SN.16 NO NEW WORK THIS SPACE
SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED
SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREPD AND PAINTED ALONG WITH NEW WALL FINISH.
SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .
SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING
SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES. (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.
SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION
SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
SN.31 PREP AND PAINT EXISTING WOOD SHELVING
SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL - PAINT.

1 A2.3.F REFLECTED CEILING PLAN - BUILDING F

SCALE: 1/8" =1'-0"

0 2' 4' 8' 16'

NORTH

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

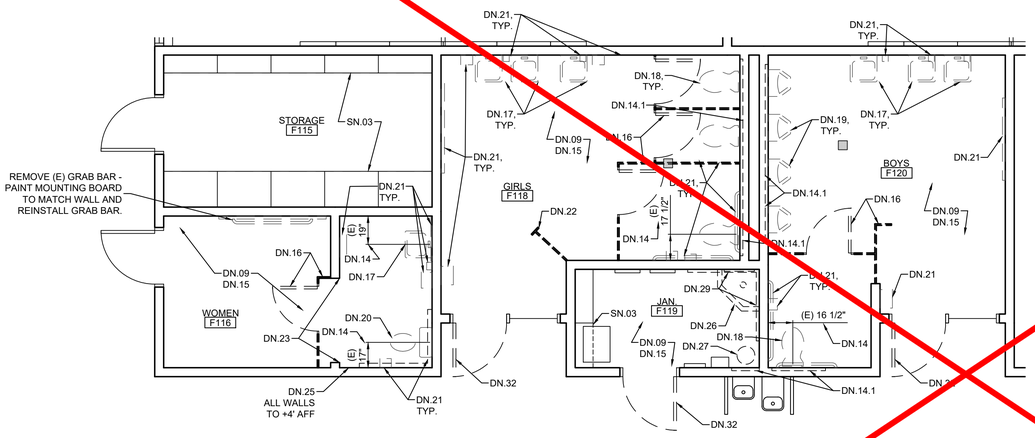
MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

REFLECTED CEILING PLAN - BUILDING F

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

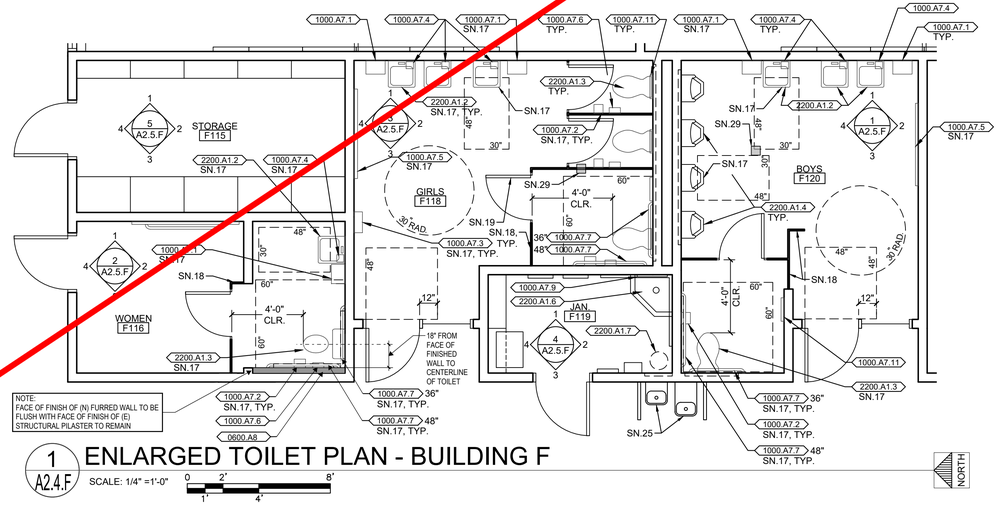
SHEET NO.
A2.3.F



2 A2.4.F ENLARGED TOILET DEMOLITION PLAN - BUILDING F

SCALE: 1/4" =1'-0" 0 2' 8' 1' 4'

NORTH



1 A2.4.F ENLARGED TOILET PLAN - BUILDING F

SCALE: 1/4" =1'-0" 0 2' 8' 1' 4'

NORTH

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.

2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.

3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.

4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.

5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.

6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.

7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK W/ OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP HOOK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS
SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED
SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.
SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.
SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
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SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATIONS IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED
SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP'D AND PAINTED ALONG WITH NEW WALL FINISH.
SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .
SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING
SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES, (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH, FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.
SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION
SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
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SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL. - PAINT.

DEMOLITION NOTES

NOTE: NOT ALL NOTES MAY BE USED

DN.01 THERE ARE NO ITEMS BEING REMOVED IN THIS ROOM EXCEPT AS MAY BE SHOWN HERE OR OTHER PLAN SHEETS. SEE ARCHITECTURAL FLOOR PLAN AND INTERIOR ELEVATIONS FOR WORK SCOPE IMPROVEMENTS
DN.02 REMOVE (E) DOOR, SIDELIGHT PANEL, TRANSOM GLAZING AND ENTIRE FRAME. PROTECT IN PLACE AND/OR SALVAGE ANY INTRUSION ALARM COMPONENTS FOR FUTURE INSTALLATION AND RECONNECTION
DN.03 REMOVE (E) CASEWORK
DN.04 REMOVE (E) DRY MARKER BOARDS & TACKBOARDS
DN.05 REMOVE (E) PROJECTION SCREEN AND/OR MOUNTING BOARD
DN.06 REMOVE (E) PROJECTOR AND DELIVER TO DISTRICT
DN.07 REMOVE (E) FIRE EXTINGUISHER & HANGER. STORE AND PROTECT FOR FUTURE REINSTALLATION
DN.08 REMOVE ALL (E) WINDOW COVERINGS & TRACKS
DN.09 REMOVE (E) LIGHT FIXTURES AT CEILING THROUGHOUT - SEE ELECTRICAL
DN.10 REMOVE (E) DATA NETWORKING/DISTRIBUTION EQUIPMENT IF NECESSARY TO NEW PERFORM WORK OR PROTECT IN PLACE
DN.11 REMOVE (E) COAT HOOK BOARD OR PROJECTION SCREEN MOUNTING BOARD. PATCH HOLES & PREP FOR PAINT.
DN.12 REMOVE (E) CHEMICAL STORAGE CABINET PROTECT AND DELIVER TO DISTRICT FOR POSSIBLE REINSTALLATION
DN.13 REMOVE (E) FAN/REGISTER AND PATCH BACK WITH (N) FINISH OR (N) FURRED WALL - SEE PLUMBING
DN.14 DIMENSIONS PROVIDED ARE BASED ON (E) DIMENSIONS TAKEN IN THE FIELD. THIS PLUMBING FIXTURE WILLMAY NEED TO MOVE LATERALLY AND/OR UP-DOWN TO ALLOW FOR PROPER ACCESSIBLE CLEARANCES PER SHEET A0.1. CONTRACTOR TO COORDINATE EXACT FINAL LOCATION AND REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.14.1 REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.15 PREP (E) FLOOR AS REQUIRED TO INSTALL NEW FLOOR FINISH. VERIFY FLOOR SLOPE DOES NOT EXCEED 2% IN ANY DIRECTION.
DN.16 REMOVE (E) TOILET PARTITION, DOOR AND MOUNTING HARDWARE. STORE AND PROTECT FOR FUTURE REINSTALLATION
DN.17 REMOVE (E) LAVATORY, FAUCET, DRAIN ASSEMBLY & INSULATION. REMOVE (E) CARRIER WHERE LAVATORY WILL BE RELOCATED. STORE AND PROTECT FOR FUTURE REINSTALLATION - SEE PLUMBING FOR REQUIRED (N) COMPONENTS. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.18 REMOVE (E) TOILET & FLUSH VALVE ASSEMBLY. REMOVE (E) CARRIER WHERE TOILET WILL BE RELOCATED. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.19 REMOVE (E) URINAL & FLUSH VALVE ASSEMBLY. REMOVE (E) CARRIER WHERE URINAL WILL BE RELOCATED. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.20 REMOVE (E) FLOOR MOUNT TOILET. SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES WHERE (N) TOILET WILL NOT BE INSTALLED.
DN.21 REMOVE (E) TOILET ROOM ACCESSORIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.22 REMOVE (E) TOILET PARTITION AND MOUNTING HARDWARE. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.23 REMOVE, STORE, PROTECT AND RE-INSTALL (E) CORNER GUARDS EA. SIDE OF OPENING.
DN.24 REMOVE (E) WALL MOUNT TOILET, CUT BACK CARRIER BOLTS AS REQUIRED FOR (N) WALL FINISH - SEE PLUMBING FOR CAPPING OF UTILITIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.25 REMOVE (E) FRP WAINSCOTING. PREP GYPSUM WALLBOARD AS REQUIRED FOR INSTALLATION OF FRP WALL FINISH
DN.26 REMOVE (E) MOP SINK - SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.27 REMOVE (E) WATER HEATER - SEE PLUMBING & ELECTRICAL. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.28 REMOVE (E) SINK & BASE CABINET. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.29 REMOVE (E) TILE AND/OR FRP WAINSCOTING. PREP WALL FOR (N) FINISHES
DN.30 REMOVE (E) MOP HOLDER. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.31 REMOVE (E) OPERABLE PARTITION, DOOR AND ASSOCIATED HARDWARE, TRIM, FINISHES & FRAMING AT HEAD AND JAMBS. PREP OPENING TO RECEIVE (N) INFILL FRAMED WALL AND FINISHES.
DN.32 REMOVE (E) DOOR AND HARDWARE. FRAME TO REMAIN. SEE DETAILS FOR METAL WALL PANEL INFILL AND FINISHES WHERE OCCURS.
DN.33 REMOVE (E) PARTITION. PATCH (E) FINISHES TO MATCH SURROUNDING FINISHES WHERE WALL IS SHOWN NOT BE REPLACED.
DN.34 REMOVE (E) DOORS, FRAMES WALL FINISHES, WALL FRAMING, INTERIOR SHELVING & CASEWORK WHERE SHOWN BROKEN LINE. PATCH & REFINISH SOFFIT, WALLS TO WALKWAY WHERE DAMAGED BY REMOVAL OF STRUCTURE.
DN.35 REMOVE (E) MAP RAIL. PATCH HOLES AND PREP FOR PAINT.
DN.36 REMOVE (E) PARTIAL HEIGHT PLUMBING CHASE WALL AND PREP SURROUNDING FINISHES FOR INSTALLATION OF (N) PARTIAL HEIGHT PLUMBING CHASE WALL-SEE STRUCTURAL
DN.37 REMOVE (E) REGISTERS AND LIGHT FIXTURES. TEMPORARILY DISCONNECT FIRE ALARM AND OTHER LOW VOLTAGE SYSTEM CONDUIT, CABLES AND ALL COMPONENTS AS REQUIRED TO REMOVE (E) CEILING TILE AND GYP. BD. UNDERLAYMENT.
DN.38 PROTECT (E) CHEMICAL STORAGE CABINET EXHAUST AIR FLUE FOR FUTURE CONNECTION TO (N) CHEMICAL STORAGE CABINETS.
DN.39 REMOVE (E) DOOR, FRAME AND ANY TRIM. PREP OPENING FOR (N) DOOR, FRAME AND FINISHES.
DN.40 REMOVE (E) DOOR, FRAME AND HARDWARE. FRAME IN OPENING AND FINISH TO MATCH ADJACENT FINISHES.
DN.41 REMOVE (E) PLUMBING EQUIPMENT ITEM AND ASSOCIATED PIPING. CAP PIPING BEHIND FINISHES AND PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.42 TEMPORARILY REMOVE (E) CEILING AND/OR WALL MOUNTED FIRE ALARM, INTRUSION ALARM OR OTHER COMPONENTS THAT ARE IN CONFLICT WITH REPLACEMENT OF (E) CEILING FINISHES W/ (N) CEILING FINISHES. REMOVE OR PROTECT IN PLACE ALL COMPONENTS THAT ARE TO BE RE-INSTALLED.
DN.43 REMOVE (E) ACOUSTICAL CEILING TILE & GYPSUM WALLBOARD (UNDER CEILING TILE) DOWN TO FRAMING (ROOF OR CEILING JOISTS).
DN.44 REMOVE (E) POWER/SIGNAL POLES-SEE ELECTRICAL. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
DN.45 REMOVE (E) DOOR, FRAME AND ADJACENT WALL AS INDICATED. PROVIDE H.M. CASED OPENING
DN.46 REMOVE (E) WALK-IN REFRIGERATOR AND FREEZER UNITS & RAMPS. PREP (E) WALLS, CEILING AND FLOOR AS REQUIRED TO CONSTRUCT (N) DRY STORAGE PARTITIONS AND DOOR OR TO INSTALL (N) WALK-IN REFER/FREEZER UNIT.
DN.47 VERIFY/LOCATE UNDERSLAB UTILITIES PRIOR TO DEMO & THEN REMOVE (E) FLOOR FINISH AND FLOOR SLAB (HATCHED AREA)-SEE STRUCTURAL FOR ADDITIONAL DEMO REQUIREMENTS AND (N) SLAB POUR-BACK. SEE FOOD SERVICE DRAWINGS FOR (N) WALK-IN FLOOR REQUIREMENTS

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT STEPHEN L. HENRY C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1)

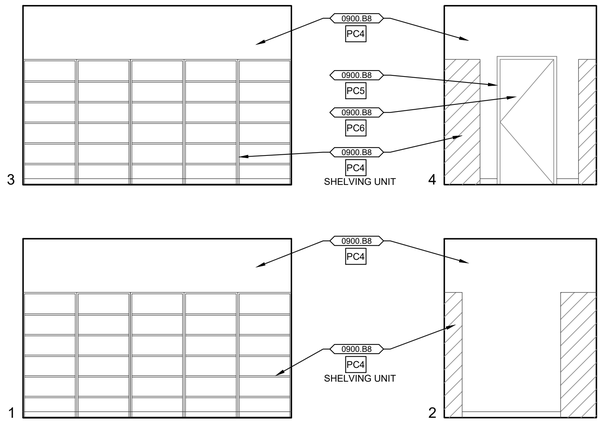
ENLARGED TOILET PLANS - BUILDING F

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A2.4.F



KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES

0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS

0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED

0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES

1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT

1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS

1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING

2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING

GENERAL NOTES

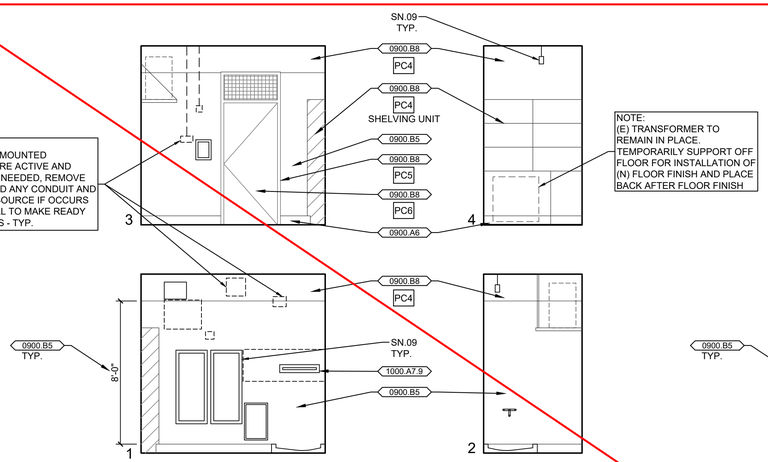
1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

SHEET NOTES

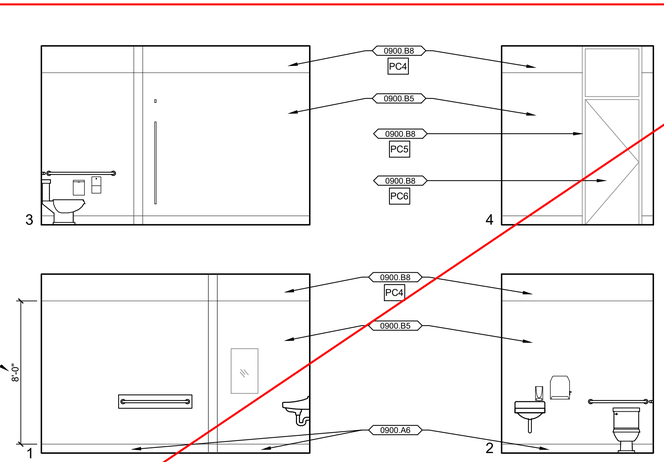
(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS
SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED
SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.
SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.
SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.
SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE
SN.16 NO NEW WORK THIS SPACE
SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED
SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP'D AND PAINTED ALONG WITH NEW WALL FINISH.
SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED
SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING
SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES. (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.
SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION
SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
SN.31 PREP AND PAINT EXISTING WOOD SHELVING
SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL. - PAINT.

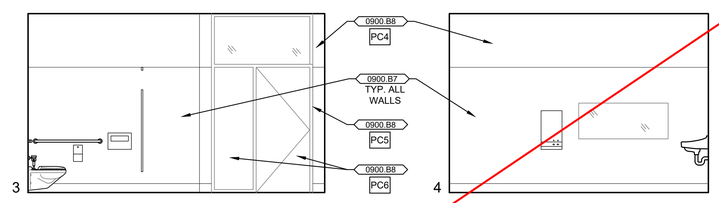
5 A2.5.F
INTERIOR ELEVATIONS - STORAGE F115
SCALE: 1/4" =1'-0"



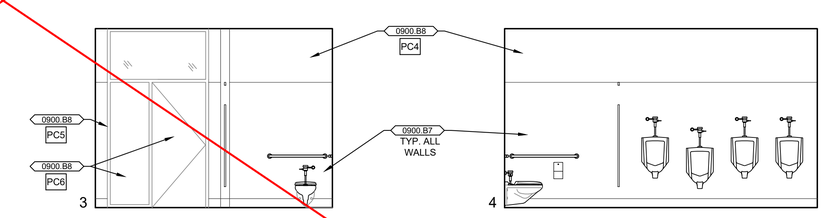
4 A2.5.F
INTERIOR ELEVATIONS - JAN. F119
SCALE: 1/4" =1'-0"



2 A2.5.F
INTERIOR ELEVATIONS - WOMEN F116
SCALE: 1/4" =1'-0"



3 A2.5.F
INTERIOR ELEVATIONS - GIRLS F118
SCALE: 1/4" =1'-0"



1 A2.5.F
INTERIOR ELEVATIONS - BOYS F120
SCALE: 1/4" =1'-0"

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STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

INTERIOR ELEVATIONS - BUILDING F

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A2.5.F

DOOR SCHEDULE

BUILDING, ROOM NAME & ROOM NUMBER	DOOR MARK	DOOR SIZE WIDTH X HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	DOOR FIRE RATING	DOOR HARDWARE GROUP	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	DETAILS FRAME	DOOR NOTES
BLDG. A																
MULTI-PURPOSE A101	A101	(E) PR. 3'-0"X7'-0"	B	FG	P	–	–	5	A	H.M.	P	–	–	5/A3.1.1		6, 16, 17
MULTI-PURPOSE A101	A101.1	(E) PR. 3'-0"X7'-0"	B	FG	P	–	–	5	A	H.M.	P	–	–	5/A3.1.1		6, 16, 17
WOMEN A105	A105	(E) 3'-0"X7'-0"	A	HM	P	–	–	5	A	H.M.	P	–	–	5/A3.1.1		6, 16, 17
MEN A106	A106	(E) 3'-0"X7'-0"	A	HM	P	–	–	5	A	H.M.	P	–	–	5/A3.1.1		6, 16, 17
TEACHERS DINING A107	A107	(E) 3'-0"X7'-0"	A	HM	P	–	–	5	A	H.M.	P	–	–	5/A3.1.1		6, 16, 17
STORAGE A117	A117	(E) 3'-0"X7'-0"	A	HM	P	–	–	5	A	H.M.	P	–	–	5/A3.1.1		6, 16, 17
JANITOR A118	A118	(E) 3'-0"X7'-0"	A	HM	P	–	–	5	A	H.M.	P	–	–	5/A3.1.1		6, 16, 17
DRY STORAGE A119	A119	**(N) 3'-0"X7'-0"**	A	HM	P	–	–	7	A	H.M.	P	6/A3.11	6/A3.1.1	–	1/A3.1.1	3, 8, 10
REFER. A120	A120	**(N) 5'-4"X7'-6"**	–	–	–	–	–	–	A-SIM.	H.M.	P	7/A3.11	7/A3.1.1	–	1/A3.1.1	23
BLDG. B																
WORK & STACK B103	B103	(E) 3'-0"X7'-0"	A	HM	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	6, 16, 17
BOOK STORAGE B105	B105	(E) 3'-0"X7'-0"	A	HM	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	6, 16, 17
MECHANICAL B108	B108	(E) 3'-0"X7'-0"	A	HM	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	6, 16, 17
HALL B112	B112	(E) 3'-0"X7'-0"	A	HM	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	6, 16, 17
BLDG. C																
CLASSROOM 101	C101	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM 102	C102	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM 103	C103	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM 104	C104	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM 105	C105	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM 106	C106	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
BLDG. D																
CLASSROOM D101	D101	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM D102	D102	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM D103	D103	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM D104	D104	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM D105	D105	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM D106	D106	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
BOYS D107	D107	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	6, 16
JAN D108	D108	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	16
GIRLS D109	D109	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	6, 16
STORAGE D110	D110	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	A	H.M.	P	–	–	–	–	2, 3, 18
CLASSROOM D111	D111	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM D111	D111.1	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	A	H.M.	P	–	–	–	–	2, 3, 18
CLASSROOM D112	D112	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM D112	D112.1	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	A	H.M.	P	–	–	–	–	2, 3, 18
CLASSROOM D113	D113	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM D114	D114	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM D115	D115	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM D116	D116	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM D117	D117	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM D117	D117.1	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	A	H.M.	P	–	–	–	–	2, 3, 18
CLASSROOM D118	D118	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
CLASSROOM D118	D118.1	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	A	H.M.	P	–	–	–	–	2, 3, 18
BOYS D119	D119	**(N) 3'-0"X7'-0"**	A	H.M.	P	–	–	3	B	H.M.	P	2/A3.11	3/A3.1.1	–	1/A3.1.1	4, 5, 8, 10, 11, 20,
JAN D120	D120	**(N) 3'-0"X7'-0"**	A	H.M.	P	–	–	1	A	H.M.	P	–	–	5/A3.1.1	–	1, 3, 6, 10, 20, 21
STORAGE D121	D121	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	A	H.M.	P	–	–	–	–	3, 18
GIRLS D122	D122	**(N) 3'-0"X7'-0"**	A	H.M.	P	–	–	3	B	H.M.	P	–	–	5/A3.1.1 SIM.	–	4, 5, 8, 20, 21
NURSE D123	D123	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
TEACHERS WORK RM. D124	D124	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
UNISEX 125	D125	**(N) 3'-0"X7'-0"**	A	H.M.	P	–	–	2	A	H.M.	P	–	–	5/A3.1.1 SIM.	–	4, 5, 6, 8, 20, 21
WOMEN 126	D126	**(N) 3'-0"X7'-0"**	A	H.M.	P	–	–	2	A	H.M.	P	–	–	5/A3.1.1 SIM.	–	4, 5, 6, 8, 20, 21
BLDG. E																
SCIENCE CLASSROOM E101	E101	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
SCIENCE CLASSROOM E101	E101.1	(E) 3'-0"X7'-0"	A		P	–	–	6	A	H.M.	P	–	–	–	–	3, 18
SCIENCE CLASSROOM E102	E102	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
SCIENCE CLASSROOM E102	E102.1	(E) 3'-0"X7'-0"	A		P	–	–	6	A	H.M.	P	–	–	–	–	3, 18
STORAGE E103	E103	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
TEACHERS WORK ROOM E104	E104	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
TEACHERS WORK ROOM E104	E104.1	**(N) 3'-0"X7'-0"**	B	H.M.	P	T.CLR	–	4	A	H.M.	P	6/A3.1.1	6/A3.1.1	–	1/A3.1.1	3, 11, 22
SCIENCE CLASSROOM E105	E105	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
SCIENCE CLASSROOM E105	E105.1	**(N) 3'-0"X7'-0"**	B	H.M	P	T.CLR	–	4	A	H.M.	P	6/A3.1.1	6/A3.1.1	–	1/A3.1.1	3, 11, 22
SCIENCE CLASSROOM E106	E106	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	B	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
SCIENCE CLASSROOM E106	E106.1	(E) 3'-0"X7'-0"	A		P	–	–	6	A	H.M.	P	–	–	–	–	3, 18
BLDG. F																
SCIENCE CLASSROOM F101	F101	(E) 3'-0"X7'-0"	A	WD	–	–	–	6	A	H.M.	P	5/A8.1.1	6/A8.1.1	7/A8.1.1	–	19
SCIENCE CLASSROOM F101	F101.1	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	A	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
SCIENCE CLASSROOM F102	F102	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	A	H.M.	P	–	–	5/A3.1.1	–	2, 3, 6, 16, 17
SCIENCE CLASSROOM F102	F102.1	(E) 3'-0"X7'-0"	A	WD	–	–	–	6	A	H.M.	P	5/A8.1.1	6/A8.1.1	7/A8.1.1	–	19
TEACHERS WORK RM. F103	F103	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	A	H.M.	P	–	–	–	–	3, 18
TEACHERS WORK RM. F103	F103.1	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	A	H.M.	P	–	–	–	–	3, 18
STOR. F105	F105	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	A	H.M.	P	–	–	–	–	3, 18
STOR. F106	F106	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	A	H.M.	P	–	–	–	–	3, 18
CLASSROOM F107	F107	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	A	H.M.	P	–	–	–	–	2, 3, 6, 16, 17
CLASSROOM F107	F107.1	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	A	H.M.	P	–	–	–	–	2, 3, 6, 16, 17
CLASSROOM F108	F108	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	A	H.M.	P	–	–	–	–	2, 3, 6, 16, 17
CLASSROOM F108	F108.1	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	A	H.M.	P	–	–	–	–	3, 18
CLASSROOM F109	F109	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	A	H.M.	P	–	–	–	–	2, 3, 6, 16, 17
CLASSROOM F109	F109.1	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	A	H.M.	P	–	–	–	–	3, 18
CLASSROOM F110	F110	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	A	H.M.	P	–	–	–	–	2, 3, 6, 16, 17
CLASSROOM F113	F113	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	A	H.M.	P	–	–	–	–	2, 3, 6, 16, 17
CLASSROOM F113	F113.1	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	A	H.M.	P	–	–	–	–	3, 18
CLASSROOM F114	F114	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	A	H.M.	P	–	–	–	–	2, 3, 6, 16, 17
CLASSROOM F114	F114.1	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	A	H.M.	P	–	–	–	–	3, 18
STOR. F115	F115	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	A	H.M.	P	–	–	–	–	2, 3, 6, 16, 17
WOMEN F116	F116	(E) 3'-0"X7'-0"	A	WD	P	–	–	6	A	H.M.	P	–	–	–	–	2, 3, 6, 16, 17
GIRLS F118	F118	**(N) 3'-0"X7'-0"**	A	WD	P	–	–	3	A	H.M.	P	–	–	–	–	4, 5, 8, 10, 21
JAN F119	F119	**(N) 3'-0"X7'-0"**	A	WD	P	–	–	1	A	H.M.	P	–	–	–	–	4, 5, 8, 10, 21
BOYS F120	F120	**(N) 3'-0"X7'-0"**	A	WD	P	–	–	3	A	H.M.	P	–	–	–	–	4, 5, 8, 10, 21
CONFERENCE F121	F121	(E) 3'-0"X7'-0"	A	WD	P	–	–	5	A	H.M.	P	–	–	–	–	2, 3, 6, 16, 17

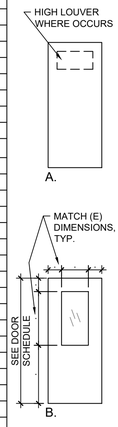
DOOR LEGEND

WD	WOOD
T	TEMPERED SAFETY
S	STAIN
P	PAINT
F	FACTORY FINISH
E	EXISTING
FG	FIBER GLASS
HM	HOLLOW METAL
SC	SOLID CORE WOOD
PM	PREFINISHED METAL
AL	ALUMINUM
T.CLR	TEMPERED SAFETY CLEAR
SS	STAINLESS STEEL

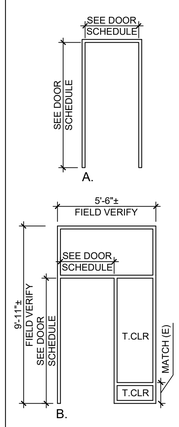
DOOR NOTES (NOTE: NOT ALL DOOR NOTES MAY BE USED)

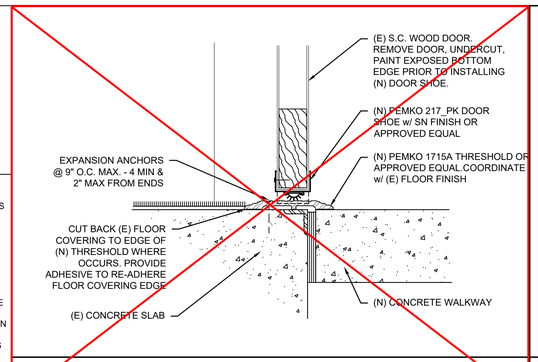
1. EXTERIOR DOORS SHALL BE WEATHER STRIPPED AND ALL JOINTS AND PENETRATIONS SHALL BE CHALKED AND SEALED.
2. PROVIDE TACTILE EXIT SIGN PER DETAIL 3/A0.1
3. PROVIDE ROOM IDENTIFICATION SIGN PER DETAIL 2/A0.1.
4. PROVIDE TOILET ROOM IDENTIFICATION SIGN PER DETAIL 2/A0.1
5. PROVIDE TOILET ROOM DOOR SYMBOLS PER DETAIL 2/A0.1.
6. ~~CBC 11B-404.2.5: ALL THRESHOLDS SHALL BE 7/ INCH HIGH MAX. (ABOVE FLOOR AND LANDING ON BOTH SIDES); FLOORING TRANSITIONS PER DETAIL 6/A3.1.1 (CBC 11B-303.2 & 11B-303.3); CBC 11B-404.2.6:~~ DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE MINIMUM TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS
   CBC 11B-404.2.9 THE MAXIMUM FORCE FOR PUSHING OR PULLING INTERIOR OR EXTERIOR DOORS IS 5 POUNDS.
   CBC 11B-404.2.7: HARDWARE (I.E.LEVER) SHALL BE CENTERED BETWEEN 34" & 44" ABOVE FLOOR.
   CBC 11B-309.4: OPERATION: OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAXIMUM
7. EXIT DOORS TO BE EQUIPPED WITH PANIC HARDWARE
8. PROVIDE 2'-0" WIDE X 1'-0" HIGH LOUVER
9. ALL EXTERIOR DOOR GLAZING SHALL BE DOUBLE PANE INSULATING TEMPERED SAFETY GLASS.
10. FLOOR DOOR STOPS TO BE LOCATED SO AS NOT TO CAUSE A TRIPPING HAZARD AND 4" MAX. FOR WALL.
11. UNDERCUT DOOR FOR ¾" MIN. CLEARANCE.
12. UNDERCUT DOOR 1" FOR VENTILATION
13. DOOR EQUIPPED WITH ELECTRONIC ACCESS CONTROL SYSTEM
14. PROVIDE POWER FOR ELECTRIC MOTOR OPERATION. VERIFY SWITCH LOCATION.
15. SEE ORNAMENTAL METAL FENCE DETAILS ON SHEET A1.2.1
16. ~~REMOVE (E) THRESHOLD WHERE OCCURS PRIOR TO DEMO & INSTALLATION OF (N) CONCRETE WALKWAY. REMOVE (E) DOOR, UNDERCUT DOOR, INSTALL DOOR BOTTOM. INSTALL (N) THRESHOLD FOLLOWING INSTALLATION OF (N) WALKWAY. REINSTALL DOOR AND ADJUST (N) DOOR BOTTOM TO (N) THRESHOLD AT PAIR OF DOORS PROVIDE 2 SETS OF SPECIFIED HARDWARE GROUP.~~
17. DOOR, FRAME & HARDWARE TO REMAIN EXCEPT AS NOTED OTHERWISE. PAINT INTERIOR FACE AND EDGES OF (E) DOOR AND FRAME PER INTERIOR ELEVATIONS AND FINISH SCHEDULE. PAINT OVER ALL EXISTING PAINTED SURFACES THAT ARE CURRENTLY PAINTED WITH INTERIOR PAINT COLOR. EXTERIOR FACE OF DOOR SHALL NOT BE PAINTED.
18. (E) DOOR, FRAME & HARDWARE TO REMAIN EXCEPT AS NOTED OTHERWISE. PAINT BOTH SIDES OF DOOR & FRAME WITH PAINT COLOR AS INDICATED.
19. (E) DOOR, HARDWARE & SIDE LIGHT GLAZING (WHERE OCCURS) TO BE REMOVED. MODIFY FRAME AS DETAILED TO ACCEPT (N) METAL WINDOW PANEL. PAINT EXTERIOR SIDE OF EXISTING FRAME AND (N) METAL WINDOW PANEL TO MATCH (E) BUILDING PAINT COLORS. PAINT INTERIOR SIDE OF EXISTING FRAME AND (N) METAL WINDOW PANELS PER INTERIOR ELEVATIONS & FINISH SCHEDULE
20. FIELD VERIFY (E) DOOR AND/OR FRAME SIZE PRIOR TO ORDERING AND FABRICATION
21. REMOVE (E) DOOR & HARDWARE AND REPLACE WITH (N) DOOR & HARDWARE. PAINT EXTERIOR SIDE OF EXISTING FRAME AND (N) DOOR TO MATCH (E) BUILDING PAINT COLORS. PAINT INTERIOR SIDE OF EXISTING FRAME AND (N) DOOR PER INTERIOR ELEVATIONS & FINISH SCHEDULE.
22. REMOVE (E) DOOR, FRAME & HARDWARE AND REPLACE WITH (N) DOOR, FRAME & HARDWARE. PAINT (N) DOOR AND FRAME PER INTERIOR ELEVATIONS & FINISH SCHEDULE.
23. PROVIDE A HM CASED OPENING ONLY WITHOUT LOCKSET OR HINGE PREP.

DOOR TYPES

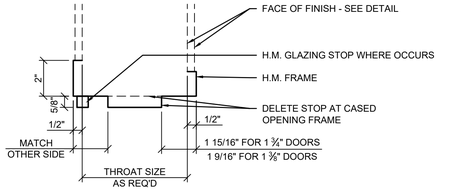


FRAME TYPES

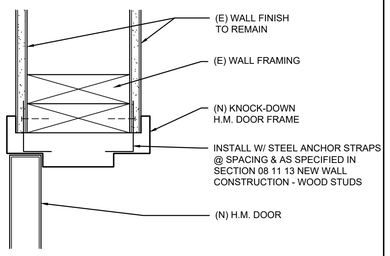




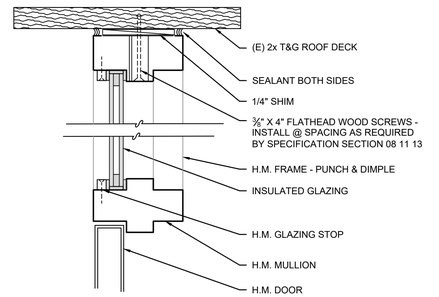
5 DOOR THRESHOLD
SCALE: 3" = 1'-0"



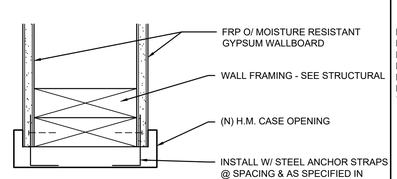
1 HOLLOW METAL FRAME
SCALE: 3" = 1'-0"



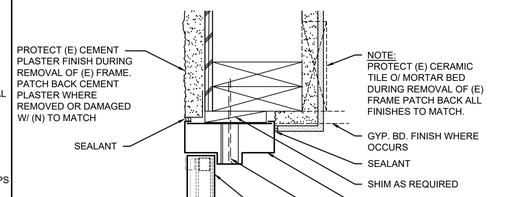
6 INTERIOR DOOR HEAD / JAMB
SCALE: 3" = 1'-0"



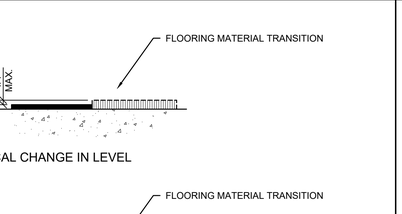
2 EXTERIOR DOOR HEAD
SCALE: 3" = 1'-0"



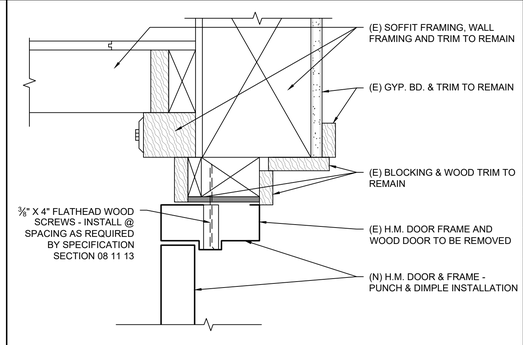
7 CASED OPENING
SCALE: 3" = 1'-0"



3 EXTERIOR DOOR JAMB
SCALE: 3" = 1'-0"



8 FLOORING TRANSITION
SCALE: 3" = 1'-0"



4 HEAD - EXTERIOR
SCALE: 3" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

DOOR SCHEDULE & DETAILS

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A3.1.1

MATERIALS LEGEND

4B	4" RUBBER BASE
6B	6" INTEGRAL COVE BASE (RESINOUS) 3/4" RADIUS MINIMUM
C1	CARPET TILE
C2	WALK-OFF CARPET TILE
C3	CARPET - ROLL
LVP	LUXURY VINYL PLANK FLOORING
RT	RESILIENT TILE FLOORING
RS	RESILIENT SHEET VINYL FLOORING
RF	RESINOUS FLOOR COATING O/ (E) CONCRETE
RF1	RESINOUS FLOOR COATING O/ (E) CERAMIC TILE
RW1	RESINOUS WALL COATING O/ (E) CERAMIC TILE
G1	5/8" GYPSUM BOARD
G2	5/8" TYPE "X" GYPSUM BOARD
GE	GYPSUM BOARD EXISTING
CS	CONCRETE - SEALED
CSS	CONCRETE - STAINED & SEALED
P	PAINT
PV	PAINT O/ (E) VINYL WALL COVERING
-	NO FINISH
F	FACTORY
FRP1	FIBER REINFORCED PLASTIC PANEL
VW	VINYL WALL COVERING
AT	ACOUSTICAL TILE
A1	2' X 4' SUSPENDED ACOUSTICAL CEILING SYSTEM TYPE 1
A2	2' X 2' SUSPENDED ACOUSTICAL CEILING SYSTEM TYPE 1
A3	2' X 4' SUSPENDED ACOUSTICAL CEILING SYSTEM TYPE 2
WD	WOOD DECK
I	INSULATION - EXPOSED
MISC	MISCELLANEOUS FINISHES - SEE DRAWINGS
(E)	EXISTING
(N)	NEW

NOTES

1. USE WATER RESISTANT GYPSUM BOARD AT KITCHEN, BATHROOMS AND WET AREAS - TYPICAL.
2. INTEGRAL COVE BASE MUST HAVE 3/4" MINIMUM RADIUS COVING AT FLOOR AND SHALL EXTEND AT LEAST 6" UP WALL. SEE DETAIL 5/A0.2.
3. PROVIDE R-19 BATT INSULATION AT EXTERIOR WOOD STUD WALLS; PROVIDE R-38 BATT INSULATION AT ROOF JOISTS
4. EXTERIOR WALL INSULATION SHALL EXTEND TO THE ROOF STRUCTURE AND SHALL CREATE AN ENVELOPE WITH THE ROOF INSULATION.
5. BATT INSULATION INSTALLED AT THE ROOF SHALL NE INSTALLED BETWEEN JOISTS. WHERE BATT ROOF INSULATION IS EXPOSED TO OCCUPIED SPACE BELOW, THE INSULATION SHALL BE PAPER FACE AND INSTALLED NEATLY, READY FOR PAINT.
6. PROVIDE SOUND INSULATION AT INTERIOR WALLS AND CEILING.
7. PAINTED DOORS, WALLS AND CEILINGS IN KITCHEN, RESTROOMS AND JANITOR ROOMS TO BE SEMI-GLOSS.
8. PAINT AROUND (N) DOOR FRAMES WHERE WALL FINISHES WERE REMOVED, DAMAGED AND REPLACED.
9. CONTRACTOR OR PAINTING CONTRACTOR TO REPAIR AND/OR PATCH BACK (E) VINYL WALL COVERING WITH NEW WHERE DAMAGED, MISSING OR LOOSE PRIOR TO PAINTING WALL.

MATERIAL & FINISH SCHEDULE

		FLOOR		BASE		WAINSCOT		WALLS								CEILING			
								N		E		S		W					
ROOM NUMBER	ROOM NAME	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	HEIGHT	NOTES
	BUILDING A																		
A119	DRY STORAGE																		
A120	REFER.	F	–	F	–	F	–	F	–	F	–	F	–	F	–	F	–	F	
A121	FREEZER	F	–	F	–	F	–	F	–	F	–	F	–	F	–	F	–	F	
	BUILDING C																		
C101	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
C102	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
C103	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
C104	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
C105	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
C106	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
	BUILDING D																		
D101	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
D102	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
D103	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
D104	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
D105	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
D106	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
D107	BOYS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
D108	JAN.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
D109	GIRLS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
D110	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
D111	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
D112	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
D113	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
D114	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
D115	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
D116	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
D117	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
D118	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
D119	BOYS	(N) RF1	F	(N) RF1	F	(N) RW1	F	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	VARIES	2, 7, 8
D120	JAN.	(N) RF	F	(N) RF	F	(N) FRP1	F	(N) P	(E) G1	(N) P	(E) G1	(N) FRP1	F	(N) P	(E) G1	(N) P	(E) G1	10'	2, 7,
D121	STORAGE	(E) CSS	–	(E) 4B	F	–	–	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	MISC.	VARIES	
D122	GIRLS	(N) RF1	F	(N) RF1	F	(N) RW1	F	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	VARIES	2, 7
D123	NURSE	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	10'	
D124	TEACHERS WORK RM.	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
D125	UNISEX	(N) RF1	F	(N) RF1	F	(N) RW1	F	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	VARIES	2, 7,
D126	WOMEN	(N) RF1	F	(N) RF1	F	(N) RW1	F	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	VARIES	2, 7,
	BUILDING E																		
E101	SCIENCE CLASSROOM	(N) LVP	–	(N) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
E102	SCIENCE CLASSROOM	(N) LVP	–	(N) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
E103	STORAGE	(N) LVP	–	(N) 4B	F	–	–	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	AT	F	10'	8
E104	TEACHERS WORK RM.	(N) LVP	–	(N) 4B	F	–	–	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	AT	F	10'	
E105	SCIENCE CLASSROOM	(N) LVP	–	(N) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
E106	SCIENCE CLASSROOM	(N) LVP	–	(N) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
	BUILDING F																		
F101	SCIENCE CLASSROOM	(N) LVP	–	(N) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
F102	SCIENCE CLASSROOM	(N) LVP	–	(N) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
F103	TEACHERS WORK RM.	(N) LVP	–	(N) 4B	F	–	–	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) WD	10'	
F105	STOR.	(N) LVP	–	(N) 4B	F	–	–	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) WD	10'	
F106	STOR.	(N) CS	–	(N) 4B	F	–	–	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	10'	
F107	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
F108	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
F109	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
F110	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
F111	TEACHERS WORK RM.	(E) CSS	–	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) AT	10'	9
F112	TEACHERS WORK RM.	(E) CSS	–	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) AT	10'	9
F113	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
F114	CLASSROOM	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9
F115	STORAGE	(E) CS	–	(E) 4B	F	–	–	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) WD	10'	
F116	WOMEN	(N) RF	F	(N) RF	F	–	–	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	10'	
F118	GIRLS	(N) RF1	F	(N) RF1	F	(N) RW1	F	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	VARIES	2, 7, 8
F119	JAN.	(N) RF1	F	(N) RF1	F	(N) FRP1	F	(N) P	(E) G2	(N) P	(E) G2	(N) P	(E) G2	(N) P	(E) G2	(N) P	(E) WD	10'	2, 7
F120	BOYS	(N) RF1	F	(N) RF1	F	(N) RW1	F	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	(N) P	(E) G1	VARIES	2, 7, 8
F121	CONFERENCE	(E) C3	F	(E) 4B	F	–	–	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	(E) VW	(N) P	MISC.	VARIES	9

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23 RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

MATERIAL & FINISH SCHEDULE

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

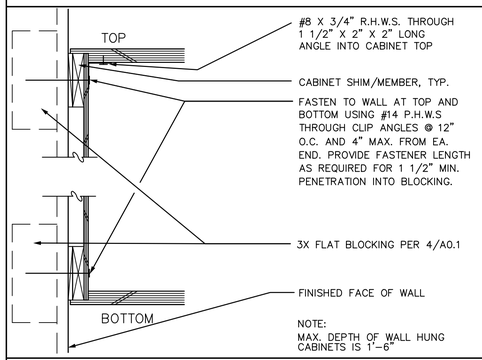
SHEET NO.

A3.1.2

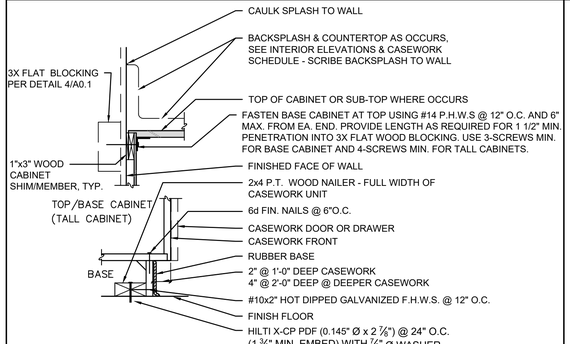
METAL SHELVING SCHEDULE

METAL SHELVING MARK	SIZE (INCHES) WIDTH	HEIGHT	DEPTH	FINISH BAKED ENAMEL	SHOP PRIMED	NOTES
MS1	48	74	24	●		1
MS2	24	74	24	●		1
MS3	48	74	12	●		1

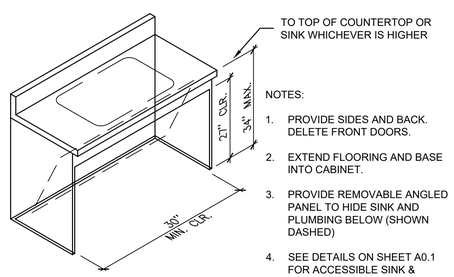
NOTES:
1. SEE STRUCTURAL FOR MOUNTING DETAILS



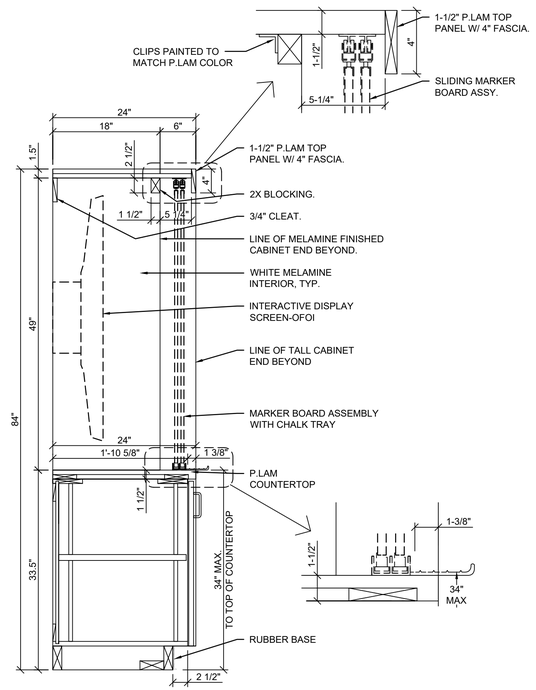
3 WALL HUNG CAB. ANCHORS
N.T.S.



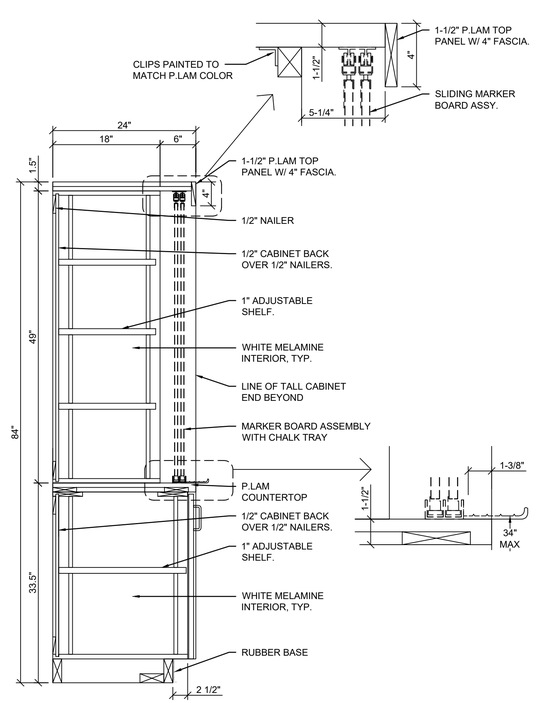
4 CABINET ANCHORAGE
N.T.S.



5 ACCESSIBLE CASEWORK
N.T.S.



2 SECTION - TEACHING WALL CABINET
1" = 1'-0"



1 SECTION - TEACHING WALL CABINET
1" = 1'-0"

CASEWORK SCHEDULE (NOT ALL CASEWORK TYPES MAY BE USED)

KEY / CABINET NUMBER	W.I. NUMBER*	SIZE (INCHES) WIDTH	HEIGHT	DEPTH	FINISH: CASEWORK PLASTIC LAMINATE	WOOD W/ PLASTIC LAMINATE FRONTS	WOOD W/ OAK FRONTS	COUNTERTOP FINISH: PLASTIC LAMINATE	PHENOLIC RESIN	BACKSPLASH HEIGHT: 4"	6"	9"	NOTES
101A	101	12	30	24	●			●					1, 3
101B	101	16	30	24	●			●					1, 3
101C	101	12	34	38		●			●				1, 3, 5, 6
102A	102	48	34	24		●		●					1, 3, 5, 6
102B	102	30	34	24	●			●					1, 3
102C	102	36	34	24		●			●		●		1, 3, 5, 6
151A	151 (SIM)	36	34	38		●			●				1, 3, 6, 8
152A	152	36	34	32			●		●			●	1, 3, 5, 6, 7
154A	154B	36	34	32			●		●			●	1, 2, 3, 5, 7
154B	154B	36	34	38		●			●				1, 2, 3, 5
154C	154B	36	34	24		●			●		●		1, 2, 3, 5
155A	155	36	34	24	●			●					1, 2, 3
211A	211	18	34	32			●		●			●	1, 3, 5, 6, 7
211B	211	18	34	32		●			●				1, 3, 5, 6, 7
212A	212	30	34	24	●			●					1, 3
222A	222	36	34	32			●		●			●	1, 3, 5, 6, 7
222B	222	36	34	24		●			●		●		1, 3, 5, 6
222C	222	27	34	32		●			●				3, 5, 6
222D	222	36	34	32		●			●				3, 5, 6
222E	222	24	30	30			●		●		●		1, 3, 6
223A	223	24	30	24	●			●					1, 3
223B	223	16	30	24	●			●					1, 3
230A	230	16	30	30			●		●		●		1, 3, 6
230B	230	24	30	24			●		●		●		1, 3, 6
254A	254	16	30	30			●		●		●		1, 3, 6
254B	254	24	30	24			●		●		●		1, 3, 6
254C	254	18	34	38		●			●				1, 3, 5, 6
254D	254	18	34	24		●			●		●		1, 3, 6
254E	254	12	34	24		●			●		●		1, 3, 6
300A	300	48	49	24									3, 5
301A	301	20	30	15			●						3, 5, 6
302A	302	40	30	15			●						3, 5, 6
302B	302	36	30	15		●							3, 5, 6
302C	302	39	12	24		●							3
402A	402	48	84	24		●							3, 4, 5, 6
402B	402	48	84	24		●							3, 5, 6
440A	440	48	48	15	●								3, 4
440B	440	30	48	15	●								3, 4
440C	440	36	48	15	●								3, 4
444A	444	72	36	18	●			●					8 - CUBBIES @ +/- 18" W. X 15" T. notes 1, 3
600A	600	36	36	12	●			●					3

NOTES
1. HEIGHT PROVIDED FOR BASE CABINETS IF FROM FINISHED FLOOR TO TOP OF COUNTER TOP. ACTUAL HEIGHT OF BASE CABINET IS LESS.
2. SEE DETAIL 5 THIS SHEET FOR ADA SINK BASE DETAIL.
3. SEE DETAILS 3 AND 4 THIS SHEET FOR CABINET ANCHORAGE.
4. FIELD MEASURE PRIOR TO INSTALLATION
5. PROVIDE ADJUSTABLE SHELVING IN QUANTITY SHOWN DASHED IN ELEVATION.
6. PROVIDE DOOR & DRAWER LOCKS
7. CABINET HAS A REMOVABLE BACK WITH AN 8" PLUMBING CHASE BEHIND
8. SIMILAR TO W.I. NUMBER INDICATED EXCEPT PROVIDED FULL WIDTH & NON-REMOVABLE BACK

* W.I. NUMBER DESIGNATION PER NORTH AMERICAN WOODWORK INSTITUTE CDS (CABINET DESIGN SERIES)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

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Sacramento, CA 95825
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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT STEPHEN L. HENRY C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

CASEWORK SCHEDULE & DETAILS

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A3.1.3

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

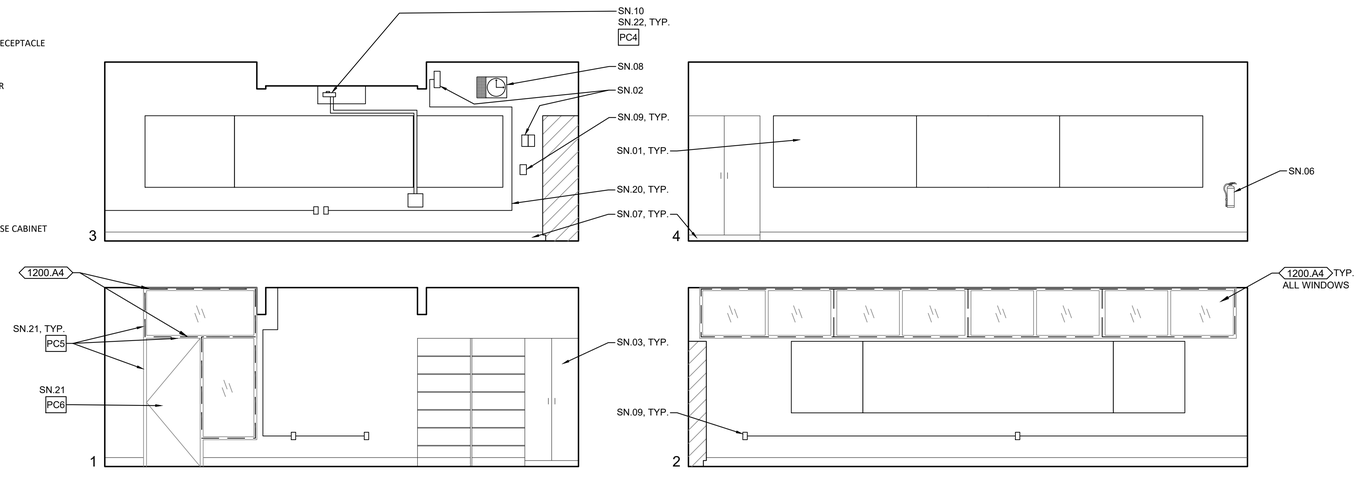
1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

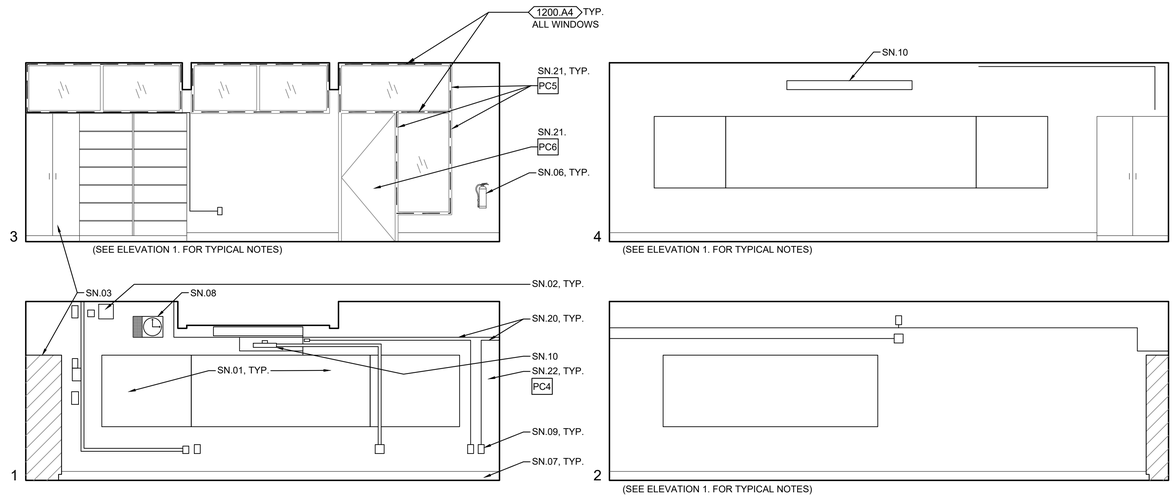
2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING



2 A5.1.C INTERIOR ELEVATIONS - CLASSROOM C103

SCALE: 1/4" =1'-0"



1 A5.1.C INTERIOR ELEVATIONS - CLASSROOM C101/C102/C104/C105/C106

SCALE: 1/4" =1'-0"

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS
SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED
SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.
SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.
SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.
SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE
SN.16 NO NEW WORK THIS SPACE
SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED
SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP'D AND PAINTED ALONG WITH NEW WALL FINISH.
SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .
SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING
SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES, (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.
SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION
SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
SN.31 PREP AND PAINT EXISTING WOOD SHELVING
SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL. - PAINT.

IDENTIFICATION STAMP
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APP: 02-120292 INC: 01
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SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

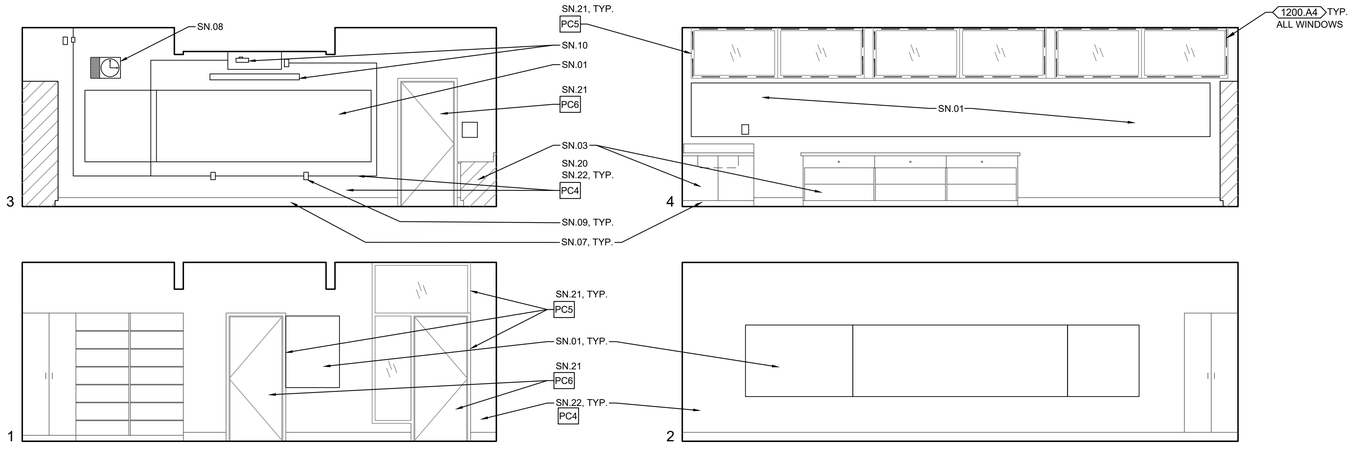
INTERIOR ELEVATIONS - BUILDING C

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

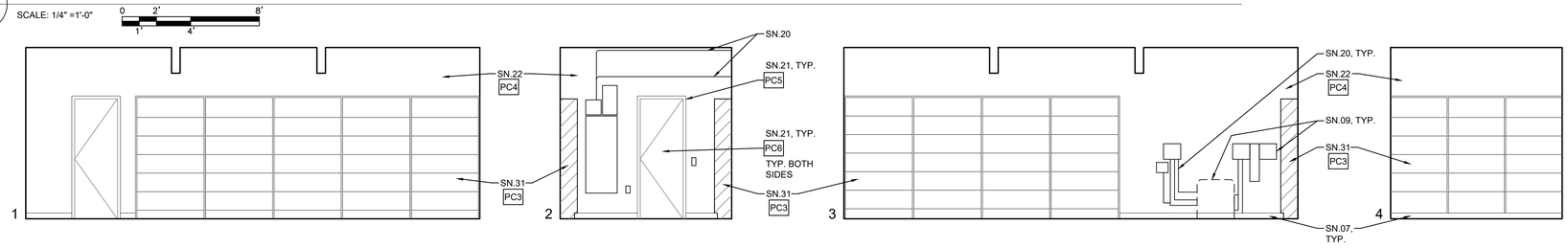
SHEET NO.

A5.1.C



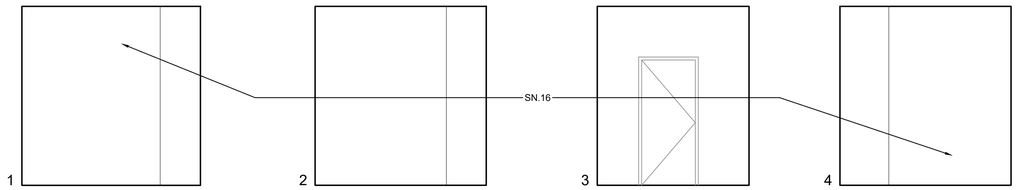
4 A5.1.D INTERIOR ELEVATIONS - CLASSROOM D111

SCALE: 1/4" =1'-0"



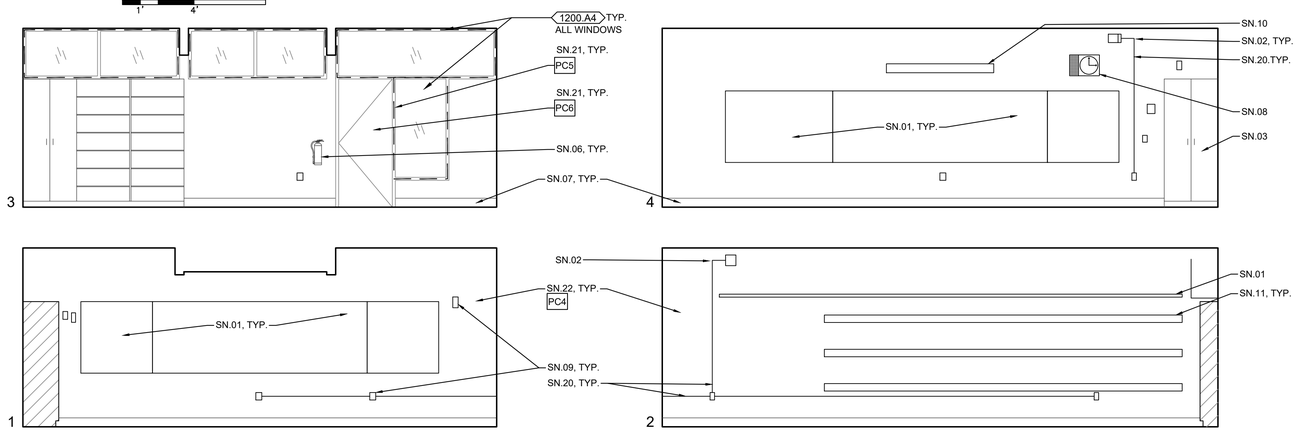
3 A5.1.D INTERIOR ELEVATIONS - STORAGE D110

SCALE: 1/4" =1'-0"



2 A5.1.D INTERIOR ELEVATIONS - JAN. D108

SCALE: 1/4" =1'-0"



1 A5.1.D INTERIOR ELEVATIONS - CLASSROOM D101/D102/D103/D104/D105/D106/D113/D114/D115/D116/D117/D118

SCALE: 1/4" =1'-0"

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS
SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED
SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.
SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.
SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.
SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE
SN.16 NO NEW WORK THIS SPACE
SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED
SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREPD AND PAINTED ALONG WITH NEW WALL FINISH.
SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .
SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING
SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES, (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.
SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION
SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
SN.31 PREP AND PAINT EXISTING WOOD SHELVING
SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL. - PAINT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

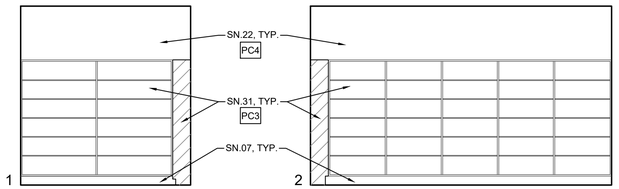
INTERIOR ELEVATIONS - BUILDING D

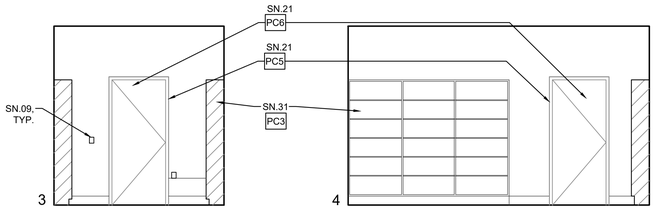
CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A5.1.D





3 A5.2.D INTERIOR ELEVATIONS - STORAGE - D121

SCALE: 1/4" =1'-0"

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

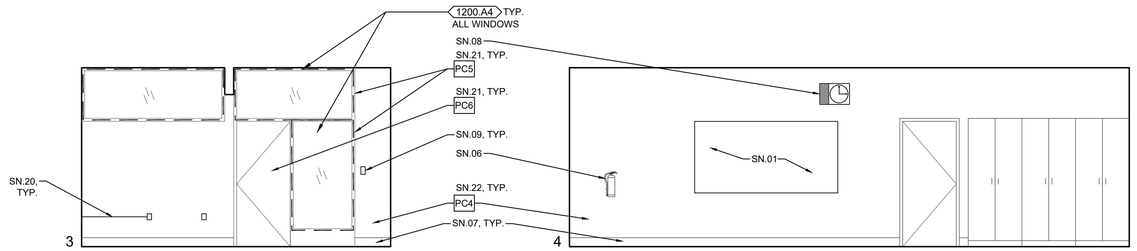
1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

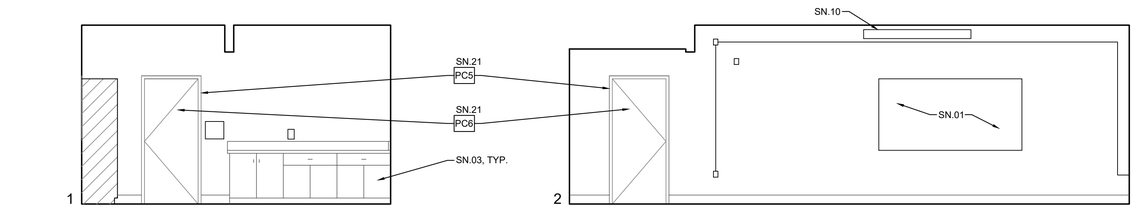
1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

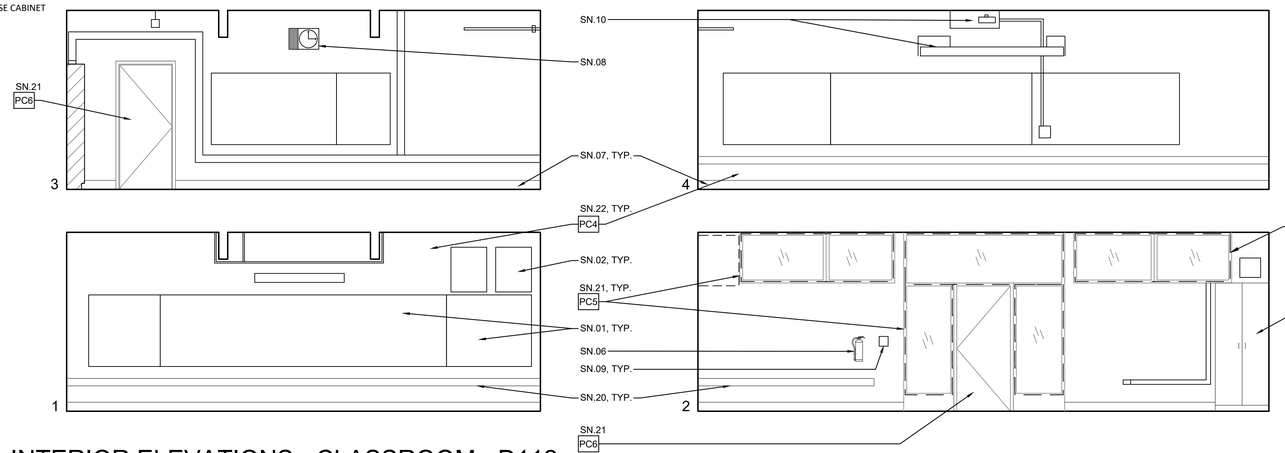
2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING





2 A5.2.D INTERIOR ELEVATIONS - TEACHERS WORK RM. - D124

SCALE: 1/4" =1'-0"



1 A5.2.D INTERIOR ELEVATIONS - CLASSROOM - D112

SCALE: 1/4" =1'-0"

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS
SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED
SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.
SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.
SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.
SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE
SN.16 NO NEW WORK THIS SPACE
SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED
SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREPD AND PAINTED ALONG WITH NEW WALL FINISH.
SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .
SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING
SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES. (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH, FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.
SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION
SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
SN.31 PREP AND PAINT EXISTING WOOD SHELVING
SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL. - PAINT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

INTERIOR ELEVATIONS - BUILDING D

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A5.2.D

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

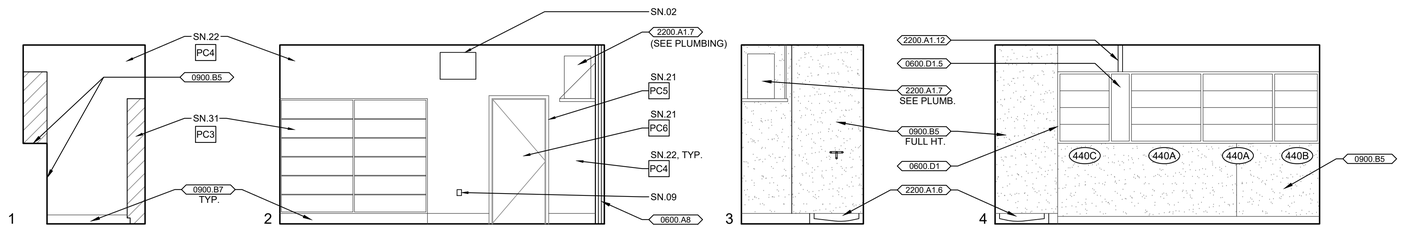
1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING

2 A5.3.D INTERIOR ELEVATIONS - NURSE - D123

SCALE: 1/4" =1'-0"



1 A5.3.D INTERIOR ELEVATIONS - JAN. - D120

SCALE: 1/4" =1'-0"

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
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3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
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SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
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SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
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SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.
SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE
SN.16 NO NEW WORK THIS SPACE
SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED
SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP'D AND PAINTED ALONG WITH NEW WALL FINISH.
SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED
SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
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SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES. (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.
SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION
SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
SN.31 PREP AND PAINT EXISTING WOOD SHELVING
SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE, TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL. - PAINT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

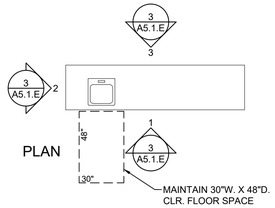
INTERIOR ELEVATIONS - BUILDING D

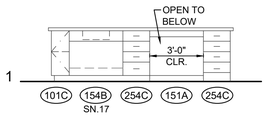
CONSULTANT

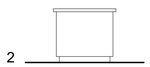
PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A5.3.D

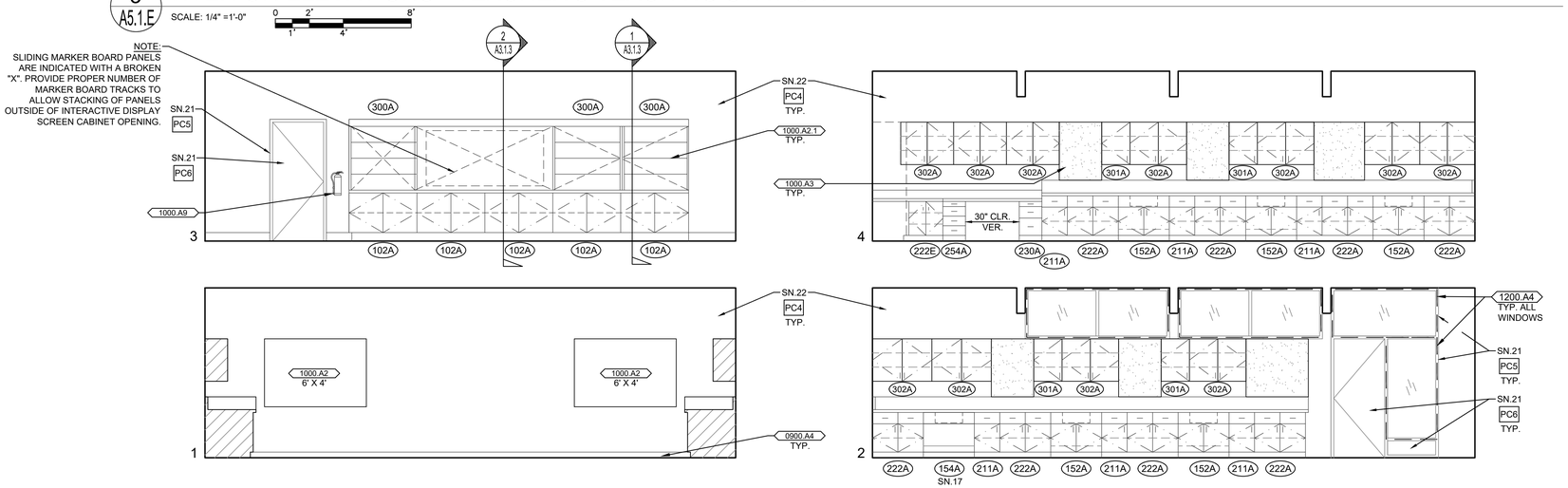






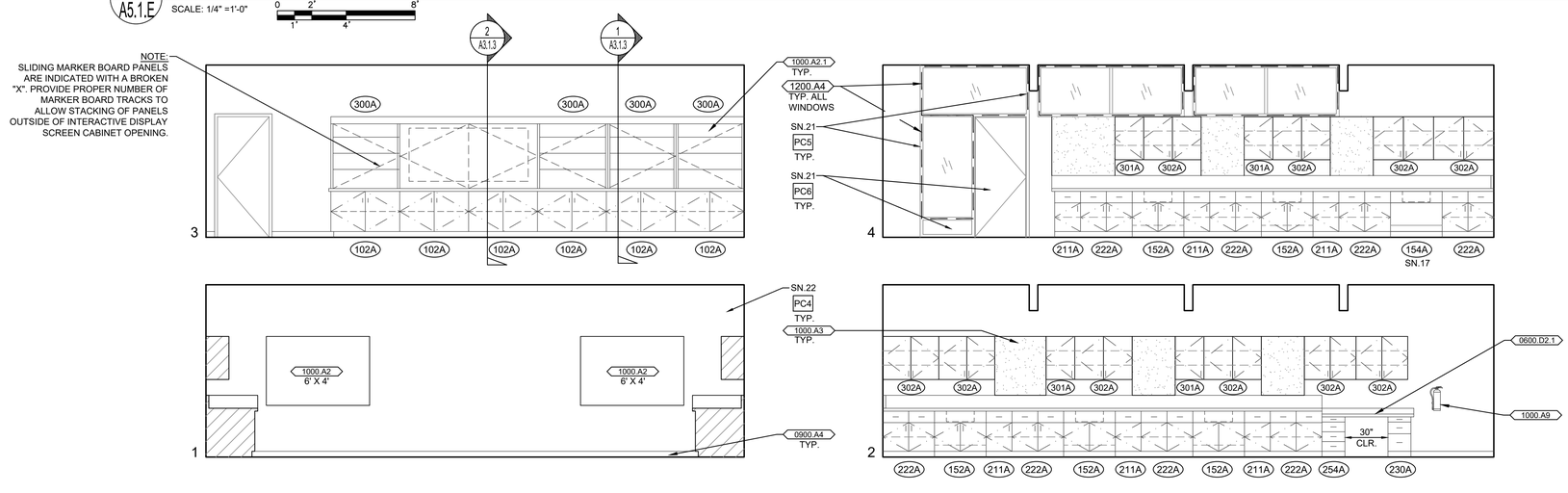
3 A5.1.E INTERIOR ELEVATIONS - TEACHER'S TEACHING STATION

SCALE: 1/4" =1'-0"



2 A5.1.E INTERIOR ELEVATIONS - SCIENCE CLASSROOM - E102 & E106

SCALE: 1/4" =1'-0"



1 A5.1.E INTERIOR ELEVATIONS - SCIENCE CLASSROOM - E101 & E105

SCALE: 1/4" =1'-0"

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED

SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED

SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED

SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED

SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS

SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.

SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS

SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED

SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE. HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.

SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.

SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.

SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.

SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT

SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.

SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE

SN.16 NO NEW WORK THIS SPACE

SN.17 ACCESSIBLE

SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.

SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED

SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP'D AND PAINTED ALONG WITH NEW WALL FINISH.

SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR .DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .

SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.

SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING

SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES. (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.

SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.

SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.

SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION

SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.

SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH

SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.

SN.31 PREP AND PAINT EXISTING WOOD SHELVING

SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION

SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE, TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL. - PAINT.

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
- 0600.A1 WOOD FRAMING - SEE STRUCTURAL
- 0600.A8 2 X FURRED WALL
- 0600.D1 PLASTIC LAMINATE CASEWORK
  - .3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
  - .5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
- 0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
  - .1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
- 0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
- 0900.A6 BASE
- 0900.A4 RUBBER BASE
- 0900.B1 GYPSUM WALLBOARD
- 0900.B3 VINYL WALL COVERING
- 0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
- 0900.B6 ACOUSTICAL WALL PANELS
- 0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
- 0900.B8 PAINT
- 0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES
- 1000.A2 MARKER BOARD
  - .1 SLIDING MARKER BOARD SYSTEM
- 1000.A3 TACK BOARD
- 1000.A4 SIGNS
  - .7 ASSISTIVE LISTENING SYSTEM SIGN
- 1000.A5 TOILET PARTITION
- 1000.A7 TOILET ACCESSORIES
  - .1 PAPER TOWEL DISPENSER
  - .2 TOILET PAPER DISPENSER
  - .3 SANITARY NAPKIN DISPENSER
  - .4 SOAP DISPENSER
  - .5 MIRROR
  - .6 SANITARY NAPKIN DISPOSAL RECEPTACLE
  - .7 GRAB BAR
  - .8 SHELF
  - .9 MOP RACK
  - .11 TOILET SEAT COVER DISPENSER
- 1000.A9 FIRE EXTINGUISHER
- 1000.A10 METAL SHELVING

1100 EQUIPMENT
- 1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
- 1100.A5 WORK TABLES & CHAIRS (OFOI)
- 1100.A6 DISHWASHER (BELOW COUNTER)
- 1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
- 1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS
- 1200.A2 PLASTIC LAMINATE CASEWORK
  - 1. DISABLED ACCESSIBLE SINK BASE CABINET
- 1200.A3 CASEWORK
- 1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
- 2200.A1 PLUMBING EQUIPMENT
  - .1 SINK
  - .2 LAVATORY
  - .3 TOILET
  - .4 URINAL
  - .5 DRINKING FOUNTAIN
  - .6 MOP SINK
  - .7 WATER HEATER
  - .12 VENT RISER PIPE

2300 HVAC
- 2300.A4 EXHAUST FLUE THROUGH CEILING

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

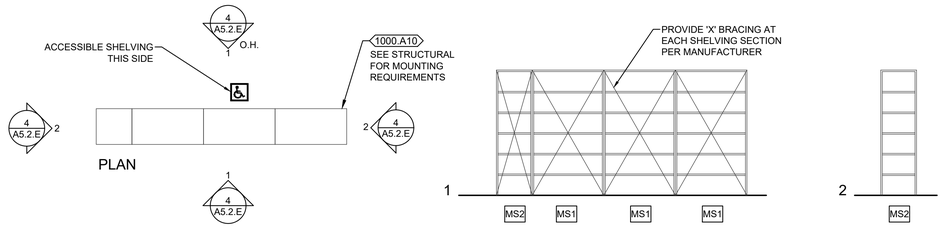
INTERIOR ELEVATIONS - BUILDING E

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

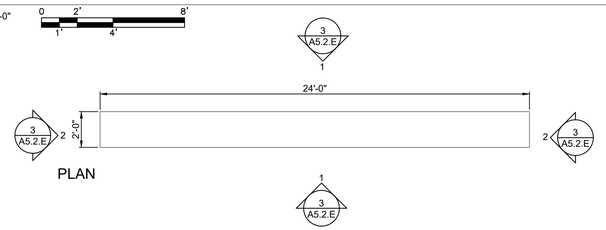
SHEET NO.

A5.1.E



4 A5.2.E INTERIOR ELEVATIONS - STORAGE. - METAL SHELVING

SCALE: 1/4" =1'-0"



3 A5.2.E INTERIOR ELEVATIONS - TEACHER'S WORK RM. - CENTER CABINET

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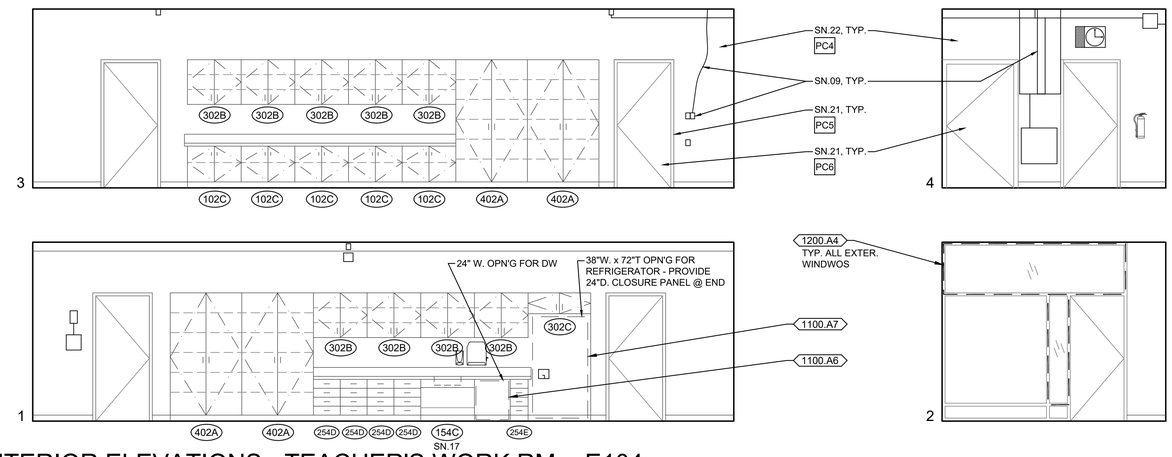

2 A5.2.E INTERIOR ELEVATIONS - TEACHER'S WORK RM. - E104

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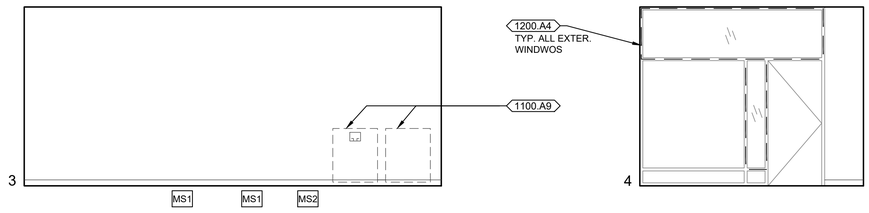

1 A5.2.E INTERIOR ELEVATIONS - STORAGE - E103

SCALE: 1/4" =1'-0"

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
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SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED

SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED

SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED

SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED

SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS

SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.

SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS

SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED

SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.

SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.

SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.

SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.

SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT

SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.

SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE

SN.16 NO NEW WORK THIS SPACE

SN.17 ACCESSIBLE

SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.

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SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREPD AND PAINTED ALONG WITH NEW WALL FINISH.

SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .

SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.

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SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.

SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH

SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.

SN.31 PREP AND PAINT EXISTING WOOD SHELVING

SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION

SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL. - PAINT.

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

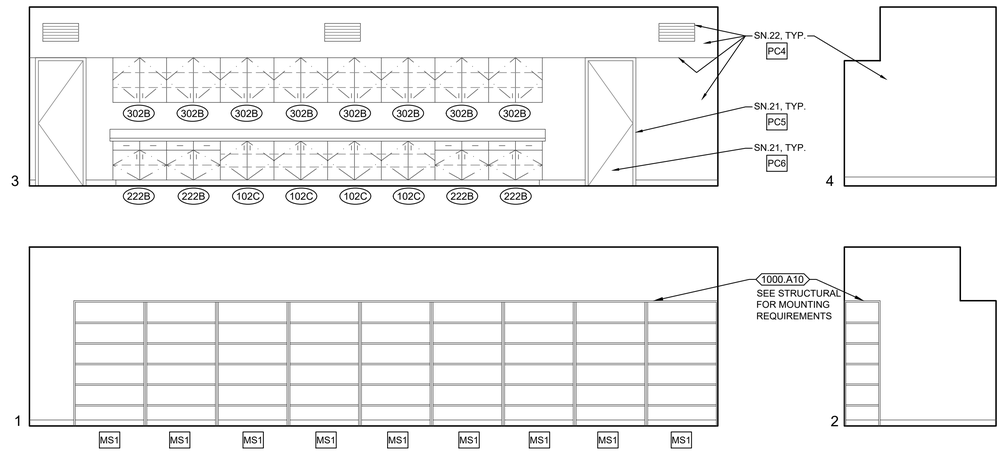
INTERIOR ELEVATIONS - BUILDING E

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

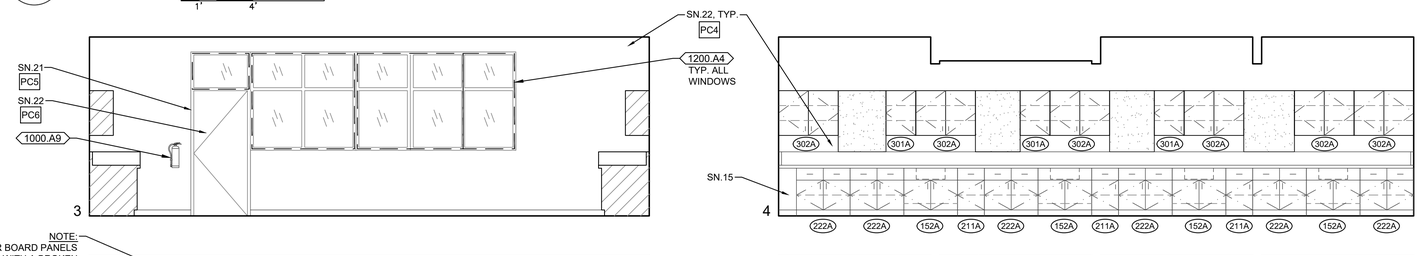
SHEET NO.

A5.2.E



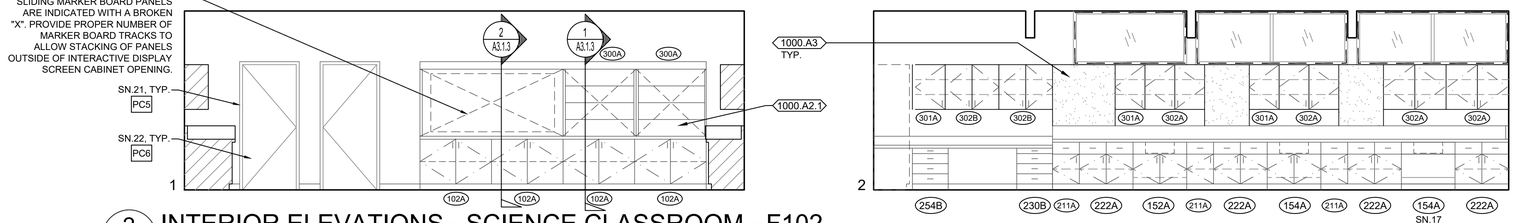
3 A5.1.F INTERIOR ELEVATIONS - TEACHER'S WORK RM. - F103

SCALE: 1/4" =1'-0"



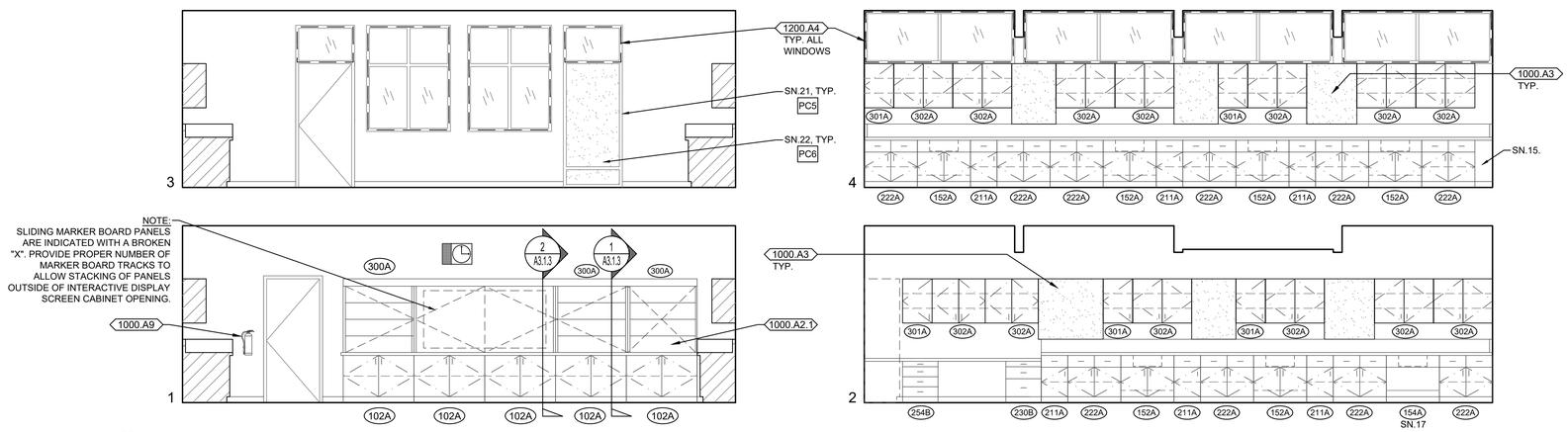
2 A5.1.F INTERIOR ELEVATIONS - SCIENCE CLASSROOM - F102

SCALE: 1/4" =1'-0"



1 A5.1.F INTERIOR ELEVATIONS - SCIENCE CLASSROOM - F101

SCALE: 1/4" =1'-0"



GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS
SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED
SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.
SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.
SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.
SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE
SN.16 NO NEW WORK THIS SPACE
SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED
SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREPD AND PAINTED ALONG WITH NEW WALL FINISH.
SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .
SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING
SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES, (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.
SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION
SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
SN.31 PREP AND PAINT EXISTING WOOD SHELVING
SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL - PAINT.

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

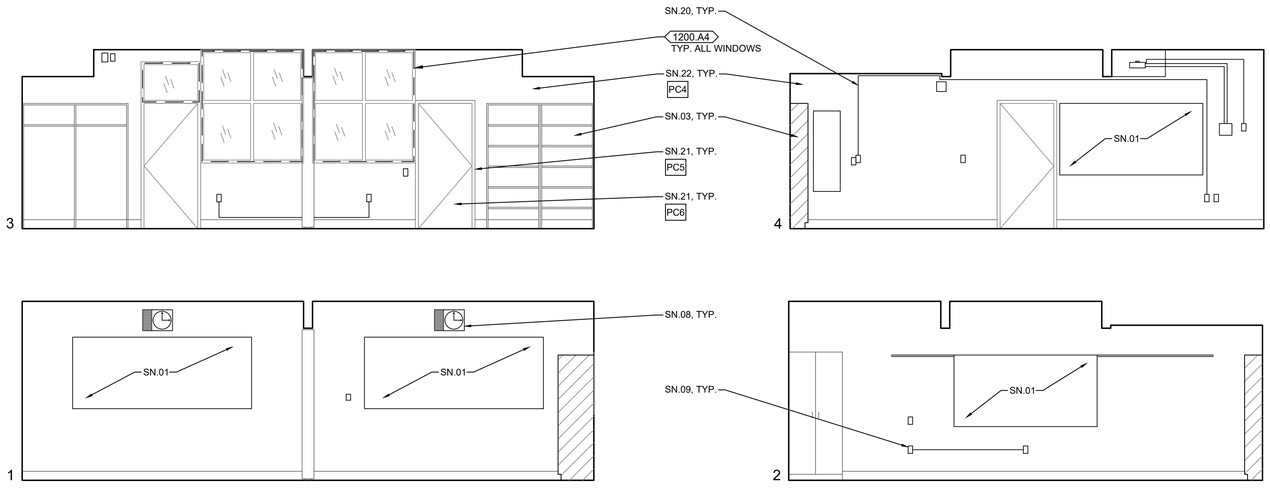
INTERIOR ELEVATIONS - BUILDING F

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

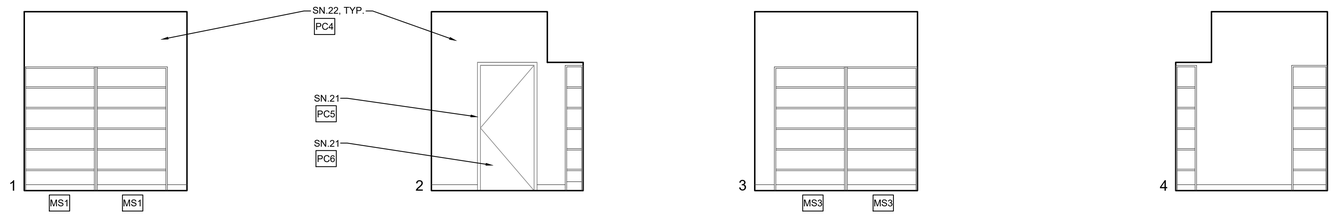
SHEET NO.

A5.1.F



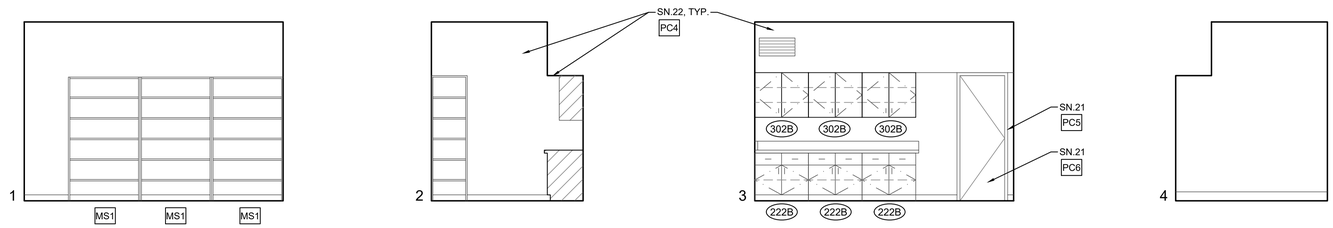
3 A5.2.F INTERIOR ELEVATIONS - CLASSROOM - F107

SCALE: 1/4" =1'-0"



2 A5.2.F INTERIOR ELEVATIONS - STOR. - F106

SCALE: 1/4" =1'-0"



1 A5.2.F INTERIOR ELEVATIONS - PROJECT STOR. - F105

SCALE: 1/4" =1'-0"

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
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.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS
SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED
SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.
SN.11 (E) COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT MOUNTING BOARD TO MATCH WALLS.
SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.
SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE
SN.16 NO NEW WORK THIS SPACE
SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED
SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREPD AND PAINTED ALONG WITH NEW WALL FINISH.
SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED .
SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING
SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES, (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.
SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION
SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
SN.31 PREP AND PAINT EXISTING WOOD SHELVING
SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL. - PAINT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

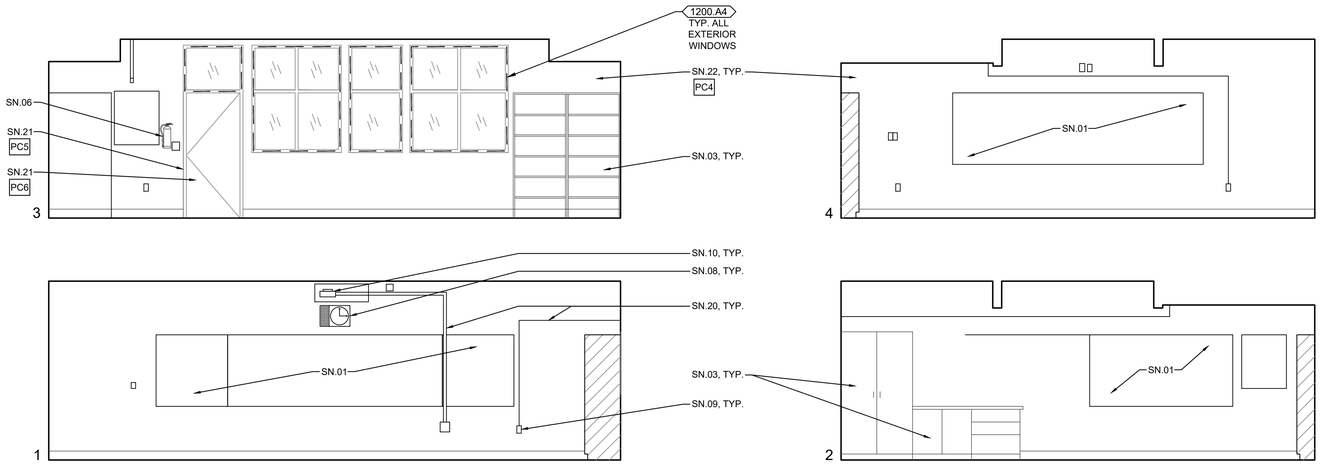
INTERIOR ELEVATIONS - BUILDING F

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

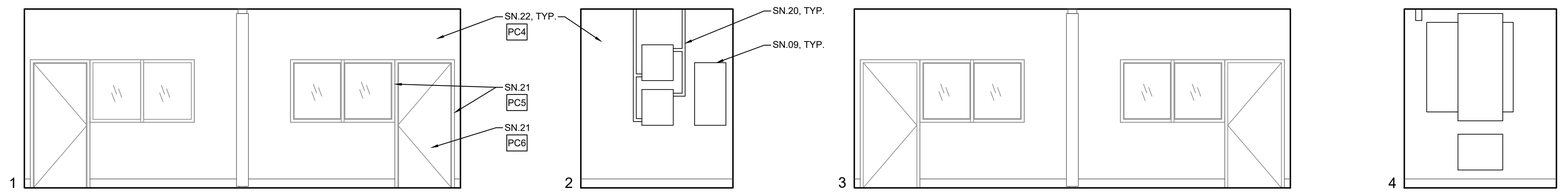
SHEET NO.

A5.2.F



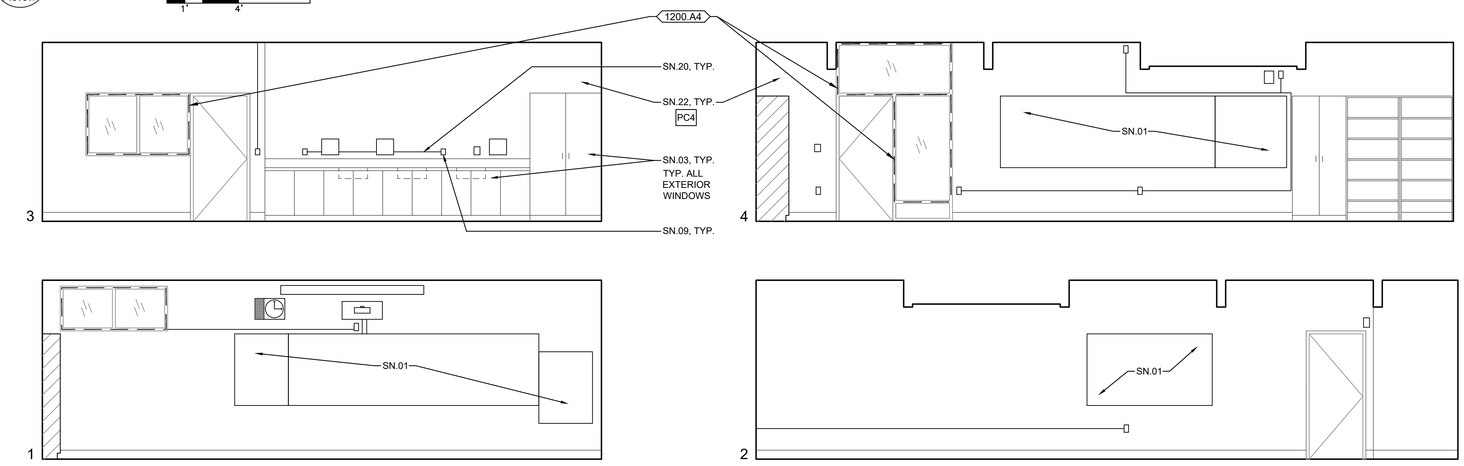
3 A5.3.F INTERIOR ELEVATIONS - CLASSROOM - F110

SCALE: 1/4" =1'-0"



2 A5.3.F INTERIOR ELEVATIONS - CONF. - F111/F112

SCALE: 1/4" =1'-0"



1 A5.3.F INTERIOR ELEVATIONS - CLASSROOM - F108, F109, F113, F114

SCALE: 1/4" =1'-0"

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTORS, PROJECTION SCREENS, FIRE EXTINGUISHERS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE TEMPORARILY REMOVED, STORED AND PROTECTED FOR LATER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR REINSTALLATION OF ANY ITEMS REMOVED FOR CONSTRUCTION AND REQUIRED TO BE REINSTALLED.
2. NOT ALL OF THE EXISTING INTRUSION ALARM, FIRE ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
7. SEE DOOR SCHEDULE AND DOOR NOTES ON SHEET A3.1.1 FOR DOORS REQUIRING NEW SIGNAGE.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
SN.07 (E) FLOOR FINISHES AND WALL BASE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS
SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED
SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
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SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
SN.14 REINSTALL (E) LAVATORY & LAVATORY CARRIER. PROVIDE (N) FAUCET PER PLUMBING.
SN.15 INSTALL CASEWORK CLOSURE PANEL AT FACE (AND BOTTOM OF UPPERS WHERE OCCURS) TO MATCH CABINET FACE
SN.16 NO NEW WORK THIS SPACE
SN.17 ACCESSIBLE
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES.
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SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING
SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES, (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
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SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT.
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
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SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL - PAINT.

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.A8 2 X FURRED WALL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
.1 PHENOLIC RESIN COUNTERTOP WITH 9" BACKSPLASH WHERE SHOWN

0800 OPENINGS
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHED
0900.A6 BASE
0900.A4 RUBBER BASE
0900.B1 GYPSUM WALLBOARD
0900.B3 VINYL WALL COVERING
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B6 ACOUSTICAL WALL PANELS
0900.B7 RESINOUS WALL COATING INSTALLED O/ (E) CERAMIC TILE WAINSCOTING
0900.B8 PAINT
0900.C2 GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES
1000.A2 MARKER BOARD
.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
.7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
.1 PAPER TOWEL DISPENSER
.2 TOILET PAPER DISPENSER
.3 SANITARY NAPKIN DISPENSER
.4 SOAP DISPENSER
.5 MIRROR
.6 SANITARY NAPKIN DISPOSAL RECEPTACLE
.7 GRAB BAR
.8 SHELF
.9 MOP RACK
.11 TOILET SEAT COVER DISPENSER
1000.A9 FIRE EXTINGUISHER
1000.A10 METAL SHELVING

1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS
1200.A2 PLASTIC LAMINATE CASEWORK
1. DISABLED ACCESSIBLE SINK BASE CABINET
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
.1 SINK
.2 LAVATORY
.3 TOILET
.4 URINAL
.5 DRINKING FOUNTAIN
.6 MOP SINK
.7 WATER HEATER
.12 VENT RISER PIPE

2300 HVAC
2300.A4 EXHAUST FLUE THROUGH CEILING

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

INTERIOR ELEVATIONS - BUILDING F

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A5.3.F

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
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0600.D2 WOOD LABORATORY CASEWORK - OAK FRONTS
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GENERAL NOTES

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SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

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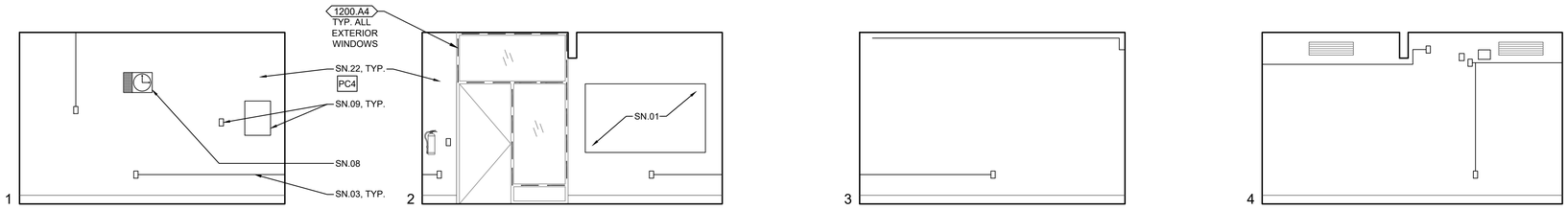
SN.18 REINSTALL (E) TOILET PARTITION. COORDINATE W/ ANY (N) TOILET PARTITIONS BEING INSTALLED. VERIFY PARTITION LOCATION IN RELATION TO PLUMBING FIXTURES AND REQUIRED CLEARANCES. IF (E) PARTITIONS DO NOT PROVIDE CLEARANCES, THEN REPLACE W/ (N) TO PROVIDE PROPER CLEARANCES
SN.19 REVERSE (E) TOILET PARTITION DR. SWING OR PROVIDE (N) DR. W/ SWING AS INDICATED
SN.20 (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP'D AND PAINTED ALONG WITH NEW WALL FINISH.
SN.21 PREP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE UNLESS THE DOOR IS NEW OR EXISTING IS NOTED TO BE PAINTED
SN.22 PREP AND PAINT EXISTING WALL AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
SN.23 PREP AND PAINT EXISTING EXPOSED BEAMS AND CEILING
SN.24 COORDINATE INSTALLATION OF (N) D.A. STALL TOILET PARTITION WITH (E) TOILET PARTITIONS BEING REMOVED AND REINSTALLED. PROVIDE ALL NECESSARY MODIFICATIONS, BLOCKING, REPAIR OF FINISHES, (N) PANELS AND HARDWARE FOR COMPLETE D.A. INSTALLATION.SN.25(E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK.
SN.26 INSTALL (N) CEILING TILE O/ (N) GYP. BD. UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED O/ (N) FINISHED CEILING.
SN.27 PROTECT (E) FLUES FOR FUTURE CONNECTION
SN.28 (E) WASTE VENT TO REMAIN IN PLACE. - BUILD (N) CHASE WALL AND CASEWORK AROUND WASTE VENT
SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMODATE (N) RESINOUS FLOOR FINISH
SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
SN.31 PREP AND PAINT EXISTING WOOD SHELVING
SN.32 RELOCATE (E) UL RATED 2A-10BC, 5-LB. FIRE EXTINGUISHER AND WALL BRACKET TO THIS LOCATION
SN.33 (N) FULL HEIGHT PARTITION TO REPLACE (E) TO BE REMOVED. SEE STRUCTURAL FOR FRAMING. PROVIDE 5/8" GYPSUM WALL EACH SIDE. TAPE & FINISH TO MATCH SURROUNDING WALLS. PROVIDE SEALANT ALL EDGES FOR SMOOTH TRANSITION FROM (N) TO (E) WALL. - PAINT.



1 A5.4.F INTERIOR ELEVATIONS - CONFERENCE - F121

SCALE: 1/4" =1'-0"

0 1' 2' 4' 8'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

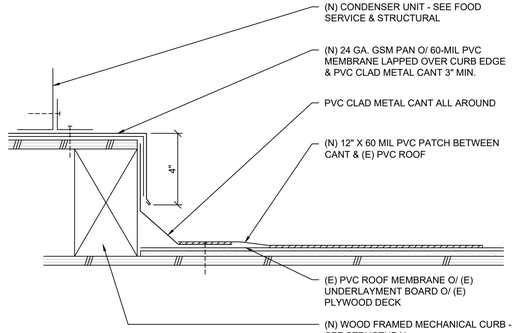
INTERIOR ELEVATIONS - BUILDING F

CONSULTANT

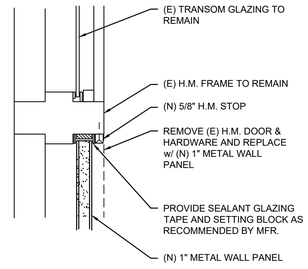
PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

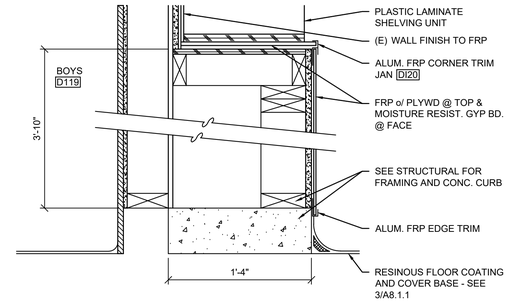
A5.4.F



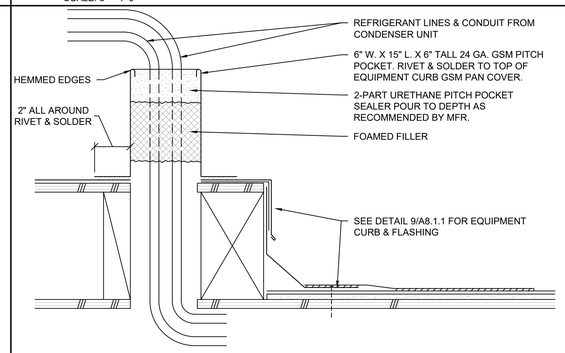
9 (N) EQUIPMENT CURB
SCALE: 3" = 1'-0"



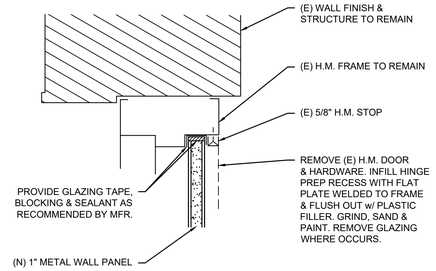
5 HEAD - DOOR INFILL
SCALE: 3" = 1'-0"



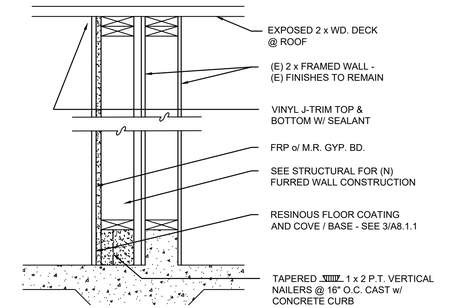
1 PLUMBING CHASE
SCALE: 1-1/2" = 1'-0"



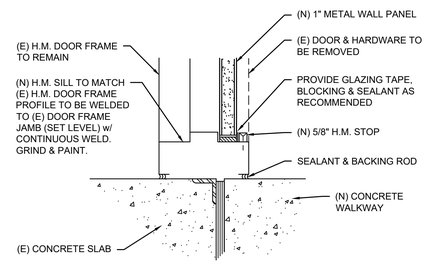
10 PITCH POCKET
SCALE: 3" = 1'-0"



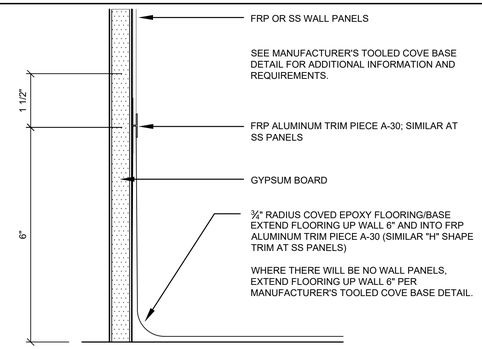
6 JAMB - DOOR & GLAZING INFILL
SCALE: 3" = 1'-0"



2 FURRED WALL
SCALE: 1" = 1'-0"



7 SILL - DOOR INFILL
SCALE: 3" = 1'-0"



3 FIBERGLASS REINFORCED PANEL
SCALE: 6" = 1'-0"

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MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

MISCELLANEOUS DETAILS

CONSULTANT

PROJECT NO. 21-32-051	REVISIONS	BY
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DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE A SHEETS.DWG		
UPDATED 2/07/23		

SHEET NO.

A8.1.1

ROUGH CARPENTRY-LAG SCREWS:

1. ALL SPECIFIED LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1.
2. LEAD HOLES FOR LAG SCREWS SHALL BE BORED TO AVOID SPLITTING OF WOOD MEMBERS. THE LEAD HOLE FOR THE SHANK SHALL HAVE THE SAME DIAMETER AND LENGTH AS THE UNTHREADED SHANK. THE LEAD HOLE FOR THE THREADED PORTION SHALL SHALL NOT EXCEED 70% OF THE SHANK DIAMETER AND HAVE MIN LENGTH EQUAL TO THREADED PORTION.
3. LAG SCREWS SHALL BE INSTALLED BY TURNING OF THE LAG SCREW & NOT BY DRIVING OF A HAMMER.
4. SOAP OR OTHER LUBRICANT MAY BE USED ON THE LAG SCREW OR IN THE LEAD HOLE AS REQ'D TO PREVENT DAMAGE TO THE LAG SCREW.
5. LAG SCREWS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, LAG SCREWS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS C OR TYPE 316 STAINLESS STEEL.
6. LAG SCREWS SHALL BE INSTALLED WITH A STANDARD CUT WASHER OR PLATE WASHER W/CORROSION PROTECTION TO MATCH THE LAG SCREW.
7. ALL LAG SCREWS TO BE TIGHTENED DURING INSTALLATION & RE-TIGHTENED JUST PRIOR TO CLOSING IN.

WOOD FASTENERS-BOLTS:

1. ALL SPECIFIED BOLTS IN WOOD FRAMING SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1.
2. HOLES SHALL BE A MIN OF $\frac{1}{32}$" TO A MAX OF $\frac{1}{16}$" GREATER THAN THE BOLT DIAMETER. HOLES SHALL BE ACCURATELY ALIGNED AND NOT FORCIBLY DRIVEN.
3. BOLTS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, BOLTS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS C OR TYPE 316 STAINLESS STEEL.
4. BOLTS SHALL BE INSTALLED WITH A STANDARD CUT WASHER OR PLATE WASHER AT HEAD AND NUT W/CORROSION PROTECTION TO MATCH THE BOLT.
5. ALL BOLTS & NUTS TO BE TIGHTENED DURING INSTALLATION & RE-TIGHTENED JUST PRIOR TO CLOSING IN.

POST INSTALLED ANCHOR NOTES:

1. ALL POST INSTALLED ANCHORS ARE TO BE INSTALLED PER MANUFACTURER FOR EACH ANCHOR AND PER THE ICC REPORTS LISTED BELOW.
2. ALL POST-INSTALLED ANCHORS ARE TO BE CAREFULLY INSTALLED SO AS TO NOT DISTURB OR DAMAGE THE STEEL REINFORCING IN ANY WAY. ANCHORS MAY NOT BE INSTALLED UNTIL CONCRETE OR GROUT HAS REACHED A MINIMUM AGE OF 28 DAYS.
3. ALL HOLES FOR DRILLED-IN ANCHORS SHALL BE COMPLETELY DRY AND WELL CLEANED WITH A BOTTLE BRUSH AND COMPRESSED AIR PRIOR TO INSTALLING THE ANCHORS.
4. ALL DRILLED-IN ANCHORS SHALL BE TESTED PER CHAPTER 17 OF THE 2019 CBC. ALL TESTING SHALL BE DONE BY A CERTIFIED TESTING LABORATORY AND SHALL BE PERFORMED IN THE PRESENCE OF A SPECIAL INSPECTOR.
5. POST-INSTALLED ANCHORS ARE TO BE AS FOLLOWS:

   5.1 EXPANSION ANCHORS IN CONCRETE
   HILTI KB TZ2 PER ICC ESR 4266

6. POST-INSTALLED ANCHORS ARE TO BE INSTALLED ONLY WHERE SPECIFICALLY DETAILED IN THE PROJECT DRAWINGS, WITH EMBEDMENTS AND PROOF TESTING AS SPECIFICALLY IDENTIFIED IN EACH APPLICABLE DETAIL. FOR ADDITIONAL INFORMATION, UNO, FOR EXPANSION ANCHORS, SEE TABLE BELOW.
7. POST-INSTALLED ANCHORS MAY NOT BE USED AT LOCATIONS OTHER THAN THOSE SPECIFICALLY DETAILED IN THE PROJECT DRAWINGS WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.

CONCRETE: HILTI KWIK BOLT TZ2 EXPANSION ANCHORS
SEE ICC ESR-4266 TABLE 1

ANCHOR DIAMETER	$\frac{3}{8}$"Ø	$\frac{1}{2}$"Ø	$\frac{5}{8}$"Ø
BIT DIAMETER	$\frac{3}{8}$"Ø	$\frac{1}{2}$"Ø	$\frac{5}{8}$"Ø
NOMINAL EMBEDMENT	$2\frac{1}{2}$"Ø	$2\frac{1}{4}$"Ø	$4\frac{1}{2}$"Ø
HOLE DEPTH	$2\frac{3}{4}$"Ø	$2\frac{3}{4}$"Ø	$4\frac{3}{4}$"Ø
TORQUE (STAINLESS STEEL)	30 FT-LB	40 FT-LB	60 FT-LB

ROUGH CARPENTRY-MATERIALS:

1. ALL SAWN LUMBER SHALL BE DOUG FIR UNO AND HAVE MOISTURE CONTENT NOT TO EXCEED 19% AT TIME OF INSTALLATION. EACH PIECE SHALL BEAR THE STAMP OF WCLIB OR WWPA SHOWING GRADE MARK.
2. ALL COMPOSITE WOOD PRODUCTS (IE LVL, LSL, GLULAM, ETC) SHALL BE PROTECTED FROM EXPOSURE AND EXCESSIVE MOISTURE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. MOISTURE CONTENT OF 16% PRIOR TO MEMBERS BEING WRAPPED OR ENCLOSED.
3. ALL SAWN LUMBER TO BE SPECIES & GRADE AS NOTED BELOW:

MEMBER	SPECIES & GRADE
2x_ & 3x_STUDS	#2 DF
2x_ JOISTS, PLATES	#2 DF
4x_ HEADERS	#1 DF
4x_ COLUMNS	#1 DF
6x_ & LARGER HEADERS	SS DF
6x_ & LARGER COLUMNS	SS DF

   A. MATERIAL EXPOSED TO WEATHER OR IN CONTACT W/CONCRETE SHALL BE PRESSURE TREATED
   B. OPTIONAL FOR EXPOSED 8X_ BEAMS & POSTS TO BE #1AC IN LIEU OF TREATED DF
   C. STUDS TALLER THAN 12'-0" SHALL BE #1DF
4. PRESERVATIVE TREATED & PRESSURE TREATED LUMBER
   A. SAWN LUMBER TO BE PROTECTED FROM EARTH, WEATHER, EARTH, & CONCRETE/CMU OR WOOD SHALL BE TREATED
   B. PRESERVATIVE TREATMENT & CLEARANCES TO SOIL OR CONCRETE SHALL BE PER CBC 2303.1.9 & 2304.12.1.2
   C. FIELD CUTS & HOLES IN TREATED LUMBER SHALL BE PROTECTED IN ACCORDANCE W/AWPA STANDARD M4
   D. CONTRACTOR TO COORDINATE WITH TREATED WOOD SUPPLIER TO DETERMINE THE APPROPRIATE LEVEL OF CORROSION PROTECTION FOR HARDWARE & FASTENERS IN CONTACT WITH WOOD TREATED WITH CORROSIVE CHEMICALS.
5. ALL WOOD PANEL STRUCTURAL SHEATHING SHALL BE STAMPED W/APA TRADEMARK AND CONFORM TO MOST CURRENT EDITION OF PS-1 OR PS-2. USE THICKNESS AND NAILING AS SHOWN ON DRAWINGS. SHEATHING SHALL HAVE EXPOSURE RATING AS APPROPRIATE FOR ON-SITE EXPOSURE CONDITIONS DURING CONSTRUCTION AND IN FINAL CONDITION. EQUIVALENT OSB SHALL BE USED IN LIEU OF PLYWOOD. PROVIDE PLYWOOD AT ALL EXPOSED EAVE CONDITIONS.

ROUGH CARPENTRY-NAILS:

1. ALL SPECIFIED NAILS SHALL CONFORM TO ASTM F1667 OR ICC ESR-1539. ALTERNATE FASTENERS MUST HAVE AN ICC EVALUATION REPORT AND MAY NOT BE USED UNLESS APPROVED IN WRITING BY RW CONSULTING ENGINEERS. ALL NAILS SHALL BE FULL ROUND HEAD WITH MINIMUM PROPERTIES AS FOLLOWS:

SPECIFIED FASTENER	DIAMETER	LENGTH	PENETRATION	APPLICATION
8d	.131"Ø	2½"	1⅜"	SHTG/FRMG
10d	.148"Ø	3"	1½"	SHTG/FRMG
16d BOX	.135"Ø	3½"	1⅜"	FRMG
16d SINKER	.148"Ø	3½"	1½"	FRMG
16d COMMON	.162"Ø	3½"	1⅜"	FRMG

   ALL NAILS SHALL BE COMMON WIRE NAILS EXCEPT WHERE SPECIFICALLY NOTED
2. NAILS SHALL BE LOCATED AND SPACED TO PREVENT SPLITTING OF WOOD. PREDRILL ALL FASTENERS 75% MAX OF FASTENER DIAMETER WHERE WOOD TENDS TO SPLIT.
3. TOENAILS SHALL BE DRIVEN AT AN ANGLE OF APPROX 30° WITH THE MEMBER AND STARTED APPROX ⅓ THE LENGTH OF THE NAIL FROM THE MEMBER END.
4. NAILS USED IN HARDWARE SHALL BE AS SPECIFIED BY HARDWARE MFR.
5. MINIMUM NAILING SHALL BE PER CBC TABLE 2304.10.1 UNO:

Description	Nailing
Roof	
1. Bldg btwn clg joists, rafters or trusses to top plate or other framing blw	3-8d toe nail, ea end
Bldg btwn rafters or truss not at the wall top plate, to rafter or truss	2-8d toe nail or 2-16d end nail, ea end
Flat bldg to truss & web filler	16d face nail @ 8"cc
2. Clg joist to top plate	3-8d toe nail ea joist
3. Clg joist not attached to parallel rafter, laps ov/partitions (no thrust)	3-16d face nail
4. Clg joist attached to parallel rafter, laps ov/partitions (w/thrust)	CBC Table 2308.7.3.1
5. Collar tie to rafter	3-10d face nail
6. Rafter or truss to top plate (see CBC section 2308.7.3.1, Table 2308.7.3.1)	3-10d toe nail
7. Rafters to ridge, valley or hip rafters; or rafter to 2" ridge	3-10d toenail or 2-16d end nail
Wall	
8. Stud to stud (not @ braced wall panels)	16d @ 24"cc face nail
9. Stud to stud and abutting studs at intersecting wall corners (braced wall panels)	16d @ 6"cc face nail
10. Built-up header (2" to 2" header)	16d @ 16"cc face nail
11. Cont header to stud	4-8d toe nail
12. Top plate to top plate	16d @ 16"cc face nail
13. Top plate to top plate, at end joints	8-16d ea side of end joint face nail (24" min lap splice ea end)
14. Bot plate to joist, rim, band joist or bldg (not @ braced wall panels)	16d @ 16"cc
15. Bot plate to joist, rim, band joist or bldg (braced wall panels)	2-16d @ 16"cc
16. Stud to top or bot plate	4-8d toe nail
17. Top or bot plate to stud	2-16d end nail
18. Top plates, laps at corners & intersections	2-16d face nail
19. 1" brace to ea stud & plate	2-8d face nail
20. 1x6 sheathing to ea bearing	2-8d face nail
21. 1x8 & wider sheathing to ea bearing	3-8d face nail
Floor	
22. Joist to sill, top plate or girder	3-8d toe nail
23. Rim joist, band joist, or bldg to top plate, sill, or other framing blw	8d @ 6"cc toe nail
24. 1x6 sub floor or less to ea joist	2-8d face nail
25. 2" sub floor to joist or girder	2-16d face nail
26. 2" planks ea bearing (plank & beam, floor & roof)	2-16d face nail
27. Built up girders & beams, 2" lumber layers	10d @ 24"cc face nail at top & bot, stagger on opposite sides
28. Ledger strip supporting joists or rafters	3-16d ea joist or rafter face nail
29. Joist to band joist or rim joist	3-16d end nail
30. Bridging or blg to joist, rafter or truss	2-8d toe nail ea end

6. NAILS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, NAILS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS D OR TYPE 316 STAINLESS STEEL.
7. SHEATHING NAILS SHALL BE DRIVEN SO THAT THEIR HEAD OR CROWN ARE FLUSH WITH THE SURFACE OF THE SHEATHING.

ROUGH CARPENTRY-WOOD SCREWS:

1. ALL SPECIFIED WOOD SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.6.1. ALTERNATE WOOD SCREWS MUST HAVE AN ICC EVALUATION REPORT AND MAY NOT BE USED UNLESS APPROVED IN WRITING BY RW CONSULTING ENGINEERS. END DISTANCE, EDGE DISTANCE, & SPCG OF ALTERNATE WOOD SCREWS MUST CONFORM TO THE MFR ICC EVALUATION REPORT.
2. WOOD SCREWS SHALL BE LOCATED AND SPACED TO PREVENT SPLITTING OF WOOD, PRE-DRILL LEAD HOLES AS REQ'D. LEAD HOLES SHALL NOT EXCEED THE SMALLEST OF ⅞ OF THE SHANK DIAMETER AND ⅞ OF THE ROOT DIAMETER AT THREADED PORTIONS.
3. WOOD SCREWS USED IN HARDWARE SHALL BE AS SPECIFIED BY HARDWARE MFR.
4. WOOD SCREWS SHALL BE INSTALLED BY TURNING OF THE SCREW & NOT BY DRIVING OF A HAMMER.
5. SOAP OR OTHER LUBRICANT MAY BE USED ON THE WOOD SCREW OR IN THE LEAD HOLE AS REQ'D TO PREVENT DAMAGE TO THE WOOD SCREW.
6. WOOD SCREWS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, WOOD SCREWS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS D OR TYPE 316 STAINLESS STEEL.

CONCRETE NOTES:

1. ALL CONCRETE SHALL BE NORMAL WEIGHT PER ACI 301 AND HAVE PROPORTIONS OF CEMENT, COARSE AND FINE AGGREGATE, WATER AND ADMIXTURES TO PRODUCE THE PROPERTIES SPECIFIED FOR EACH CONCRETE MIX TYPE PER ACI 301 ON THE BASIS OF PREVIOUS FIELD EXPERIENCE AND SUPPORTED BY PREVIOUS TEST RECORDS.
2. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES. REFER TO PROJECT SPECIFICATIONS (WHERE APPLICABLE) FOR ADDITIONAL REQUIREMENTS.

CLASS	APPLICATION	STRENGTH f'c (psi)	MAX W/C Ratio
CLASS C	INTERIOR CONCRETE (SEE PROJECT SPEC BOOK)	4,000	0.45
TEST CONCRETE STRENGTH PER 2019 CBC CH. 17A			

   A. THE APPROVED PROPORTIONS SHALL BE CAREFULLY MAINTAINED. NO DEVIATION FROM THE APPROVED PROPORTIONS SHALL BE MADE WITHOUT WRITTEN APPROVAL BY ENGINEER.
   B. USE ADMIXTURES IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. USE WATER-REDUCING ADMIXTURE THAT WILL NOT RESULT IN SEGREGATION, HONEYCOMBING, OR ROCK POCKETS.
   C. ANY OF THE ABOVE MIXES CAN BE USED FLOWABLE (8" MAX SLUMP) IF THE PROPER ADDITION OF ADMIXTURES IS INCLUDED AND THE WATER TO CEMENT RATIO IS NOT INCREASED.
   D. CEMENT PER ASTM C-150 TYPE I OR II
   FLY ASH PER ASTM C-618 CLASS N OR CLASS F
   UP TO 15% OF PORTLAND CEMENT MAY BE SUBSTITUTED WITH FLY ASH
   E. COARSE AND FINE AGGREGATES PER ASTMC-33
   F. ADMIXTURES AND DOSAGES WILL VAY WITH CLIMATE AND JOB SITE REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING MIX DESIGN SUITABLE FOR JOB SITE CONDITIONS. ADMIXTURES CONTAINING CHLORIDES ARE NOT PERMITTED.
3. ALL DEBRIS SHALL BE REMOVED FROM FORMS AND FOOTING EXCAVATIONS PRIOR TO POURING CONCRETE. NO WOOD STAKES OR FORM SPREADERS SHALL BE PERMITTED IN CONCRETE.
4. BALL REINFORCEMENT, ANCHOR BOLTS, AND OTHER EMBEDDED ITEMS SHALL BE SECURED IN POSITION SHOWN ON DRAWINGS PRIOR TO PLACING CONCRETE.
5. CONCRETE SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION PER ACI 309 BY MEANS SUITABLE FOR ON SITE CONDITIONS. USE HAND RODDING OR TAMPING AS REQUIRED.
6. CONSTRUCTION JOINTS SHALL HAVE ALL LOOSE MATERIAL REMOVED AND SHALL BE INTENTIONALLY ROUGHENED TO ¼" AMPLITUDE PRIOR TO POURING CONCRETE. CONTRACTOR SHALL SUBMIT CONSTRUCTION JOINT LOCATIONS TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
7. ALL FORMWORK TO REMAIN IN PLACE FOR DURATION AS REQUIRED BY LATEST EDITION OF ACI 318
8. REFER TO ACI RECOMENDATIONS FOR PLACING AND CURING CONCRETE IN COLD AND HOT WEATHER CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONCRETE MIX DESIGN WITH BATCH PLANT TO PROVIDE CONCRETE MIX APPROPRIATE FOR SITE CONDITIONS.
9. CONTRACTOR IS RESPONSIBLE FOR DETERMING AND IMPLEMENTING APPROPRIATE CURING PROCEDURES FOR ACTUAL SITE/WEATHER CONDITIONS AND SHALL INCLUDE PROVISIONS FOR INCLEMENT WEATHER. REFER TO ACI 308R.
10. ALL SLABS SHALL BE FLAT AND LEVEL W/A TOLERANCE OF $\frac{3}{16}$" IN 10' FOR FLATNESS AND MINIMUM LOCAL VALUE F = 32 PER ASTM 1155. THE PROJECT OWNER MAY REJECT ANY CONSTRUCTION THAT DOES NOT MEET THE FLATNESS CRITERIA NOTED WITH REPLACEMENT AT CONTRACTOR'S EXPENSE.
11. CONDUITS AND PIPES EMBEDDED IN THE SLAB (OTHER THAN THOSE PASSING VERTICALLY THROUGH) SHALL NOT BE PERMITTED. CONTRACTOR TO SUBMIT FOOTING PENETRATIONS TO STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

CONCRETE REINFORCEMENT NOTES:

1. DETAIL, FABRICATE, AND PLACE REINFORCING PER ACI 315 AND ACI 318. SUPPORT REINFORCEMENT W/APPROVED CHAIRS, SPACERS, OR TIES.
2. REINFORCEMENT SHALL BE DEFORMED BILLET STEEL PER ASTM A-615, GRADE 60. ALL REINFORCEMENT AT BOUNDARY ELEMENTS AND REINFORCEMENT TO BE WELDED SHALL BE ASTM A-706, GRADE 60.
3. ALL BENDING OF REINFORCEMENT PER ACI. FIELD BENDING OF REINFORCEMENT SHALL NOT BE PERMITTED.
4. REINFORCEMENT IN WALLS, SLABS, BEAMS AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS OR CORNER BARS PROVIDED.
5. LAP ALL REINFORCEMENT 48DB FOR #6 AND SMALLER BARS, 60DB FOR #7 AND LARGER BARS. INCREASE LAP LENGTH 30% WHERE MORE THAN 12" OF FRESH CONCRETE IS POURED UNDER REINFORCEMENT.
6. TRIM REINFORCING AROUND OPENINGS SHALL BE A MINIMUM 2-#5 TOP AND BOTTOM EXTENDING 40" BEYOND OPENING AT EACH CORNER. PROVIDE 90° HOOK AT CORNERS WHERE STRAIGHT EMBEDMENT NOT POSSIBLE.
7. REINFORCING SHALL BE TIED IN PLACE. TACK WELDING OF REINFORCING IS NOT PERMITTED.
8. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO INSURE CONCRETE IS PROPERLY CONSOLIDATED AROUND ALL BOLTS, ANCHORAGES, ETC.
9. WHERE REINFORCING IS NOT SPECIFIED, REFER TO ACI 318 FOR MINIMUM REINFORCEMENT.
10. WELDED WIRE FABRIC PER ASTM A-185 AND ASTM A-82.
11. DEFORMED BAR ANCHORS PER ASTM A-496.
12. PROVIDE MINIMUM COVER FOR ALL REINFORCING AS FOLLOWS:

APPLICATION	COVER
CONCRETE CAST AGAINST EARTH	3"
CONCRETE EXPOSED TO EARTH OR WEATHER:	
#5 AND SMALLER	1½"
#6 AND LARGER	2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	
SLABS AND WALLS	¾"
BEAMS AND COLUMNS	1½"

13. STAGGER LAPS IN ADJACENT BARS 6'-0" MINIMUM
14. PROVIDE FOOTING DOWELS TO MATCH SIZE AND SPACING OF VERTICAL REINFORCEMENT UNO.
15. ALL REINFORCING TO BE WELDED SHALL BE ASTM A-706 AND CONTINUOUSLY INSPECTED AND PERFORMED PER AWS STANDARDS.
16. REINFORCING WHICH IS TO BE DOWELED INTO EXISTING CONCRETE SHALL BE INSTALLED W/SIMPSON AT-XP PER IAPMO ER-263 UNO

DESIGN CRITERIA:

1. PROJECT ADDRESS: 945 SOUTH HAM LANE
   LODI, CA 95242
2. BUILDING CODE: 2019 CALIFORNIA BUILDING CODE
   AND ALL DSA-SS AMENDMENTS
3. GRAVITY LOADS: (ESTIMATES OF AS-BUILT CONDITIONS)
   BUILDING ROOFS
   ROOF LIVE LOAD = 20 PSF (REDUCIBLE)
   ROOF DEAD LOAD = 20 PSF
   WALL WEIGHTS
   EXTERIOR WALLS = 15 PSF
   INTERIOR WALLS = 10 PSF
4. LATERAL LOADS: RISK CATEGORY III
   WIND LOADS (ASCE 7-16)
   BASIC WIND SPEED 100 MPH (77 MPH ASD)
   EXPOSURE C
   BUILDINGS ARE CONSIDERED "ENCLOSED"
   PRESSURE COEFFICIENTS
   INTERNAL PRESSURE COEFFICIENT, GC_{pi} = ± 0.18
   TOPOGRAPHIC FACTOR, K_{zt} = 1.00
   WIND DIRECTIONALITY FACTOR, K_d = 0.85
   VELOCITY PRESSURES
   q (0'-15') = 11.0 PSF (ASD)
   q (15'-20') = 11.6 PSF (ASD)
   SEISMIC LOADS (ASCE 7-16)
   SITE CLASS D
   SEISMIC DESIGN CATEGORY D
   IMPORTANCE FACTOR 1.25
   REDUNDANCY, ρ 1.0
   S_s = 0.628 S_{DS} = 0.260
   F_a = 1.297 F_v = 2.080
   S_{MS} = 0.815 S_{M1} = 0.541
   S_{DS} = 0.543 S_{D1} = 0.361

INSPECTION NOTES:

1. ALL TESTS AND INSPECTIONS ARE TO BE PROVIDED BY A QUALIFIED TESTING LAB OF RECORD, HIRED BY THE DISTRICT (T-24 PART 1, 4-335).
2. ALL TESTS AND INSPECTIONS SHALL CONFORM TO CHAPTER 17A OF THE 2019 CBC AND THE PROJECT SPECIFIC DSA-103.
3. ALL SPECIAL INSPECTORS SHALL HAVE A MINIMUM OF THREE YEARS OF EXPERIENCE WITH MATERIAL BEING INSPECTED.

ROUGH CARPENTRY-WALL FRAMING:

1. ALL WALLS SHALL HAVE CONT 2-2x_ TOP PLATES W/MIN LAPS PER 1/S0.2 UNO, NO BORING OR NOTCHES ARE ALLOWED WITHIN SPLICE LOCATIONS. TOP PLATES SHALL BE LAPPED AT ALL CORNERS & INTERSECTIONS.
2. ALL STUDS SHALL BE 2X4 MIN @ 16"cc UNO, USE 2x6 FRAMING @ PLUMBING WALLS (FINGER JOINTED STUDS ARE NOT ALLOWED)
3. WALL FRAMING SHALL BE CONT BTWN BRACING LOCATIONS SUCH AS ROOF/FLOOR DIAPHRAGMS & FOUNDATION
4. STUDS/POSTS @ BRG WALLS, SHEARWALLS, AND EXTERIOR WALLS ARE TO BE BRACED FOR ENTIRE SPAN BY ONE OF THE FOLLOWING METHODS UNO:
   A. $\frac{3}{8}$" MIN THICKNESS PLY/OSB W/TYP FASTENER SPACING NOT TO EXCEED 12"cc
   B. $\frac{5}{8}$" MIN THICKNESS PLASTER W/WIRE LATH, ATTACH LATH W/TYP FASTENER SPACING NOT TO EXCEED 6"CC
   C. $\frac{1}{2}$" MIN THICKNESS GWB W/TYP FASTENER SPACING NOT TO EXCEED 7"cc
   D. ALTERNATE BRACING METHODS MUST BE SUBMITTED TO RW CONSULTING ENGINEERS FOR APPROVAL PRIOR TO USE
5. SEE 4/S0.2 FOR NOTCHING AND BORING OF STUDS
6. SILL PLATES
   A. WALLS LESS THAN 8'-0" LONG SHALL HAVE SINGLE PIECE SILL PLATE
   B. ALL SILL PLATES SHALL HAVE A MINIMUM OF 2-ABS, HOLDOWN ABS DO NOT COUNT TOWARD THIS REQ'MT
   C. ABs SHALL BE NO FARTHER THAN 12" & NO CLOSER THAN 7 BOLT DIAMETERS FROM ENDS OF SILL PLATE

ROUGH CARPENTRY-HARDWARE:

1. ALL STEEL CONNECTORS, STRAPS, HANGERS, HARDWARE, ETC SHALL BE BY SIMPSON STRONG-TIE OR APPROVED EQUAL UNO. ATTACH W/FASTENERS PER MFR TO ACHIEVE THE MAXIMUM TABULATED VALUE.
2. HARDWARE COMPONENTS AND FASTENERS INSTALLED AGAINST OR INTO TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, ALL HARDWARE AND FASTENERS INTO/AGAINST TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED (G185 MIN FOR HARDWARE) OR STAINLESS STEEL.
3. INSTALL ALL SPECIFIED FASTENERS BEFORE LOADING THE CONNECTION.
4. NAILS FOR HARDWARE SHALL NOT BE OVERDRIVEN OR DEFORM THE PART. THE CONTRACTOR SHALL VERIFY WITH THE HARDWARE MFR THAT THE PART PUBLISHED CAPACITIES ARE NOT REDUCED AS A RESULT OF THE INSTALLED CONDITION.
5. FASTENER SUBSTITUTIONS FOR HARDWARE ARE NOT ALLOWED UNLESS APPROVED FOR USE BY THE MFR AND THE HARDWARE CAPACITY IS NOT REDUCED.
6. WASHERS AT WOOD CONNECTIONS SHALL BE SQUARE PLATE STEEL OR MALLEABLE IRON W/THE FOLLOWING MIN DIMENSIONS:

FASTENER DIAMETER	MIN WASHER DIMENSIONS	MIN THICKNESS
½"	2" x 2"	5/16"
5/8"	2½" x 2½"	¼"
¾"	2⅞" x 2⅞"	5/16"
⅞"	3" x 3"	5/16"
1"	3½" x 3½"	⅜"

STRUCTURAL SHEET INDEX:

S0.1	GENERAL NOTES
S0.2	TYPICAL DETAILS
S2.1.A	FOUNDATION PLAN - BUILDING A
S2.2.A	ROOF FRAMING PLAN - BUILDING A
S2.1.D	STRUCTURAL PLAN - BUILDING D
S2.1.F	STRUCTURAL PLAN - BUILDING F
S4.1	DETAILS

ABBREVIATIONS:

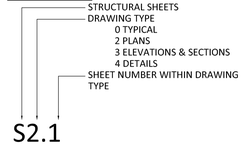
@	AT	LS	LAG SCREW
AB	ANCHOR BOLT	LSL	LAMINATED STRAND LUMBER
approx	APPROXIMATE	LVL	LAMINATED VENEER LUMBER
Arch	ARCHITECT/URAL	MAX	MAXIMUM
BC	BOTTOM CHORD	MIN	MINIMUM
BLK	BLOCK OR BLOCKING	(N)	NEW
BO	BOTTOM OF	#	NUMBER
CBC	CALIFORNIA BUILDING CODE	NTS	NOT TO SCALE
oc	ON CENTER	OD	OUTSIDE DIAMETER
CIP	CAST IN PLACE	OH	OPPOSITE HAND
CJ	CONSTRUCTION JOINT	OV	OVER
CL	CENTER LINE	PL	PLATE
CMU	CONCRETE MASONRY UNIT	PT	PRESSURE TREATED
CONC	CONCRETE	REIN	REINFORCEMENT
CONT	CONTINOUS	SIM	SIMILAR
DF	DOUGLAS FIR	SP	STRUCTURAL PANEL
Ø	DIAMETER	SW	SHEAR WALL
DL	DEAD LOAD	T&B	TOP AND BOTTOM
DT	DRAG TRUSS	T&G	TONGUE AND GROOVE
(E)	EXISTING	thru	THROUGH
EN	EDGE NAIL	TN	TOE NAIL
EOR	ENGINEER OF RECORD	TOS	TOP OF STEEL
FDN	FOUNDATION	TYP	TYPICAL
FF	FINISH FLOOR	UNO	UNLESS NOTED OTHERWISE
FO	FACE OF	W/O	WITHOUT
	FOOT/FEET	VIF	VERIFY IN FIELD
FTG	FOOTING	W/O	WITHOUT
FRMG	FRAMING	WWF	WELDED WIRE FABRIC
GLB	GLUE LAMINATED BEAM		
HD	HOLD DOWN		
HDG	HOT-DIPPED GALVANIZED		
HDR	HEADER		

GENERAL NOTES:

1. ALL NEW WORK SHALL CONFORM TO TITLE 24 2019 EDITIONS WITH AMENDMENTS AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
2. THIS SET OF STRUCTURAL DRAWINGS IS APPLICABLE ONLY TO THE LISTED PROJECT AND SITE LOCATION.
3. NOTES ON THIS SHEET ARE TYPICAL AND SHALL APPLY UNLESS OTHERWISE NOTED OR SHOWN. TYPICAL DETAILS SHALL APPLY FOR ALL LIKE CONDITIONS UNLESS OTHERWISE NOTED OR DETAILED.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS, ELEVATIONS, EXISTING CONDITIONS, AND OTHER RELATED ITEMS. THE CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF RECORD IF ANY CONFLICTS ARE SHOWN OR NOTED.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFORM TO RELEVANT SECTIONS OF THE CALIFORNIA "CONSTRUCTION SAFETY ORDERS" AND ALL OSHA REQUIREMENTS. THE ENGINEER OF RECORD ACCEPTS NO RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY W/ THESE REQUIREMENTS.
6. STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE, AND DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. DESIGN AND CONSTRUCTION OF ALL TEMPORARY BRACING, SHORING, FORMING, ETC REQUIRED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. A COPY OF TITLE 24 CCR PARTS 1 -5 SHALL BE KEPT ON SITE AT ALL TIMES (T-24 PART 1, 4-317(c).
8. ALL CHANGES TO THE ACCESSIBILITY, FIRE AND LIFE SAFETY, AND STRUCTURAL PORTIONS OF THE APPROVED DRAWINGS SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT (CCD). ALL SUCH CHANGES BY CCD ARE TO BE SIGNED BY THE SEOR, THE OWNER, AND APPROVED BY DSA. CHANGES BY CCD ARE NOT VALID UNTIL APPROVED BY DSA (T-24, PART 1, 4-338).
9. A PROJECT INSPECTOR (INSPECTOR OF RECORD, IOR) EMPLOYED BY THE OWNER/DISTRICT AND CERTIFIED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK
10. THE STRUCTURAL ENGINEER SHALL PERFORM DUTIES PER T-24 PART 1, 4-333(a) AND 4-341. THE CONTRACTOR SHALL PERFORM DUTIES PER 4-343. THE IOR SHALL PERFORM DUTIES PER T-24 PART 1, 4-342.

DRAWING STANDARDS:

SHEET NUMBERING



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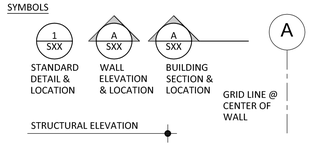

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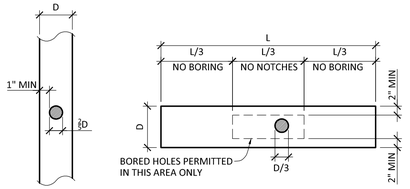


WALL STUD & TOP PLATE FRAMING

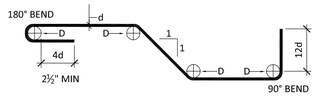
SOLID SAWN JOIST FRAMING

NOTES:

1) HOLES IN WALL STUDS MAY BE BORED UP TO 3/8D DIAMETER PROVIDED STUDS ARE DOUBLED & HOLES ARE CENTERED IN STUD WIDTH.
2) BORING SHOWN SHALL NOT BE USED AT BEAMS OR POSTS. CONSULT AOR.
3) NOTCHING IS NOT PERMITTED.
4) CLEAR SPCG BTWN BORED HOLES SHALL BE 12" MIN.
5) HOLES IN TOP PLATES SHALL NOT BE LOCATED WITHIN TOP PLATE SPLICE ZONE
6) WHERE TOP PLATE PENETRATIONS EXCEED LIMITS SHOWN, PROVIDE CTS219 EACH SIDE OF BOTH TOP PLATES & ATTACH w/SD #9x1½" SCREWS

THIS DETAIL APPLIES TO INTERIOR NON-STRUCTURAL WALLS AND CEILING JOISTS ONLY. FOR ALL OTHER CONDITIONS, CONTACT SEOR PRIOR TO PROCEEDING WITH BORING ANY HOLES

BORING 4



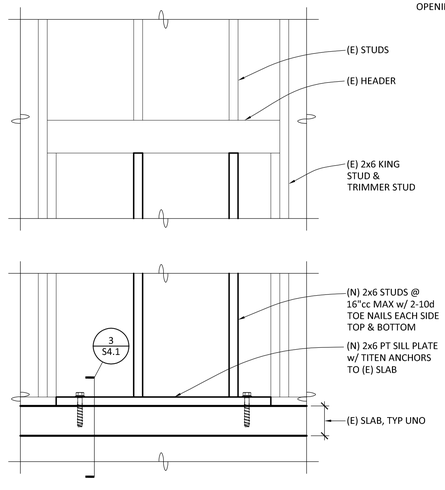
D = 6d FOR #3 THRU #8 BARS
D = 8d FOR #9 THRU #11 BARS

REINFORCING BARS & STANDARD HOOKS

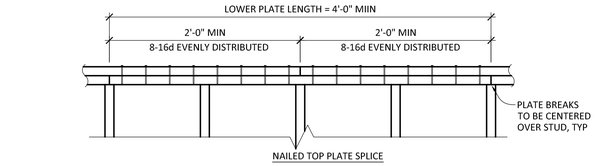
NOTES:

1. THE ABOVE DETAILS ARE PROVIDED TO SPECIFY STAND REBAR BENDS AND BEND EXTENSIONS, TYP UNO.
2. ALL REBAR PLACEMENT IS TO BE AS SHOWN IN PROJECT DETAILS. SEE 'CONCRETE REINFORCEMENT NOTES' ON S0.1.
3. NOT ALL CONDITIONS SHOWN ABOVE WILL APPLY TO THIS PROJECT.

STANDARD REBAR BENDS 5



OPENING INFILL 6

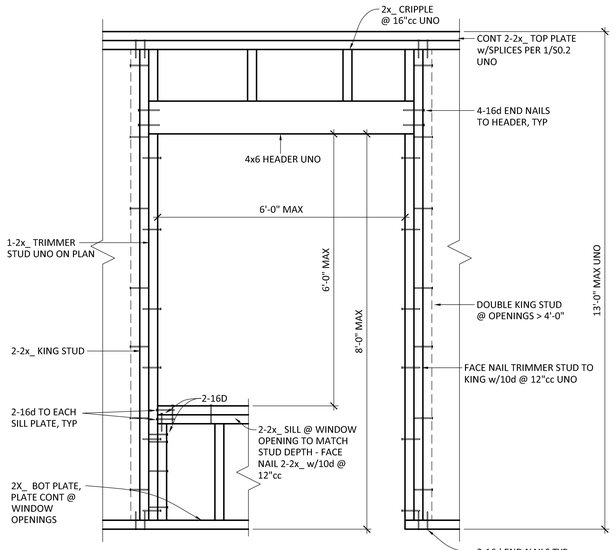


NAILED TOP PLATE SPLICE

NOTES:

1. PRE-DRILL 75% OF FASTENER DIAMETER AS REQUIRED TO AVOID SPLITTING
2. NO PLATE PENETRATIONS ALLOWED IN SPLICE ZONES

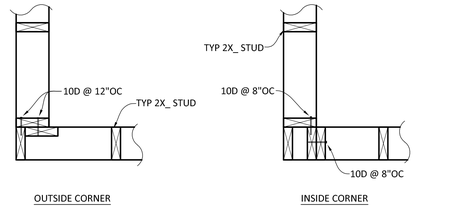
TOP PLATE SPLICE 1



WINDOW OPENING

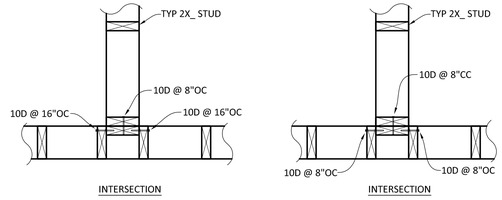
DOOR OPENING

INTERIOR WALL OPENING 2



OUTSIDE CORNER

INSIDE CORNER



INTERSECTION

INTERSECTION

WALL INTERSECTIONS 3

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT STEPHEN HENRY C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

TYPICAL DETAILS

RW CONSULTING Engineers Inc
1450 HARBOR BLVD SUITE F
WEST SACRAMENTO, CA 95691
916.716.6910

REGISTERED PROFESSIONAL ENGINEER GREGORY T. RICHARDSON S4558 Exp. 12/31/2023 STRUCTURAL STATE OF CALIFORNIA

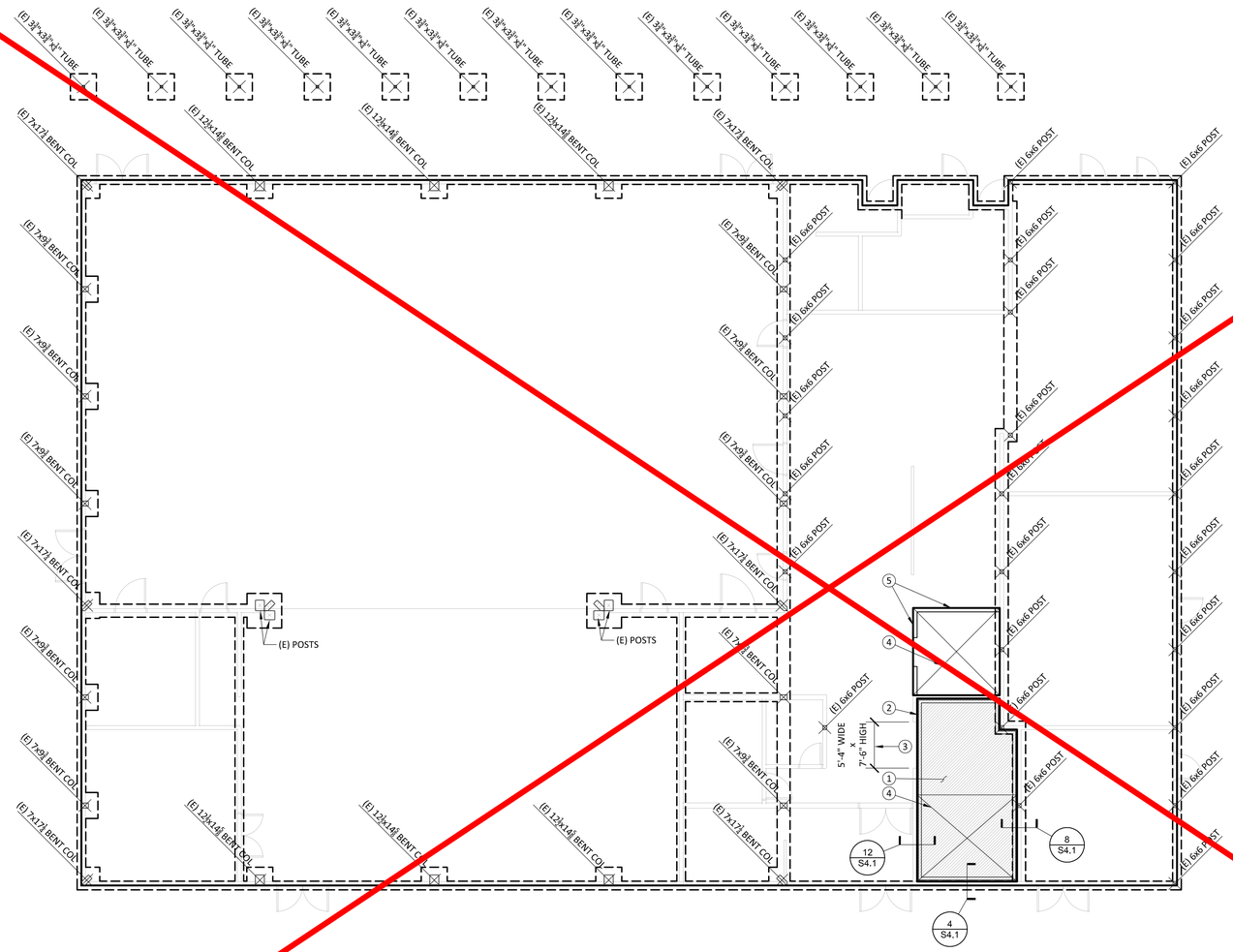
2/7/2023

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		GR
DRAWN GR		
CHECKED GR		
SCALE		
CADFILE		
UPDATED 2/7/2023		

SHEET NO.

S0.2

2 OF 7 SHEETS



FOUNDATION PLAN
BUILDING A

3/8" = 1'-0"

N

FOUNDATION PLAN NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK CONTAINED HEREIN WITH ALL PROJECT WORK BY OTHERS INCLUDING CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL & PLUMPING.
2. STRUCTURAL SCOPE:
   - 2.1 REMOVAL OF EXISTING WALK-IN COOLERS
   - 2.2 REMOVAL OF EXISTING SLAB AND PLACING OF NEW SLAB
   - 2.3 INSTALLATION OF NEW WALK-IN COOLER
   - 2.4 ROOF FRAMING FOR NEW CONDENSER UNIT
   - 2.5 MISCELLANEOUS FRAMING OF NON-STRUCTURAL PARTITION WALLS
   - 2.6 MISCELLANEOUS CUTTING AND PATCHING OF CONCRETE SLABS FOR NEW PLUMBING AND ELECTRICAL SERVICES
3. ALL WORK PERFORMED IS TO NOT IMPACT EXISTING LATERAL FORCE RESISTING SYSTEM.

FOUNDATION PLAN LEGEND:

EXISTING WALL

NEW PARTITION WALL

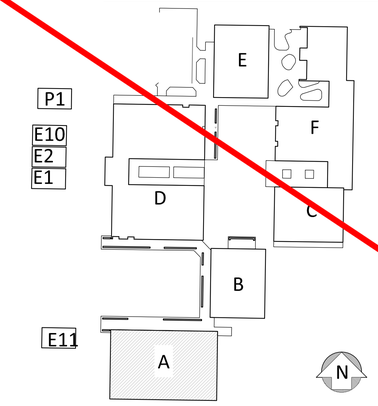
FOUNDATION PLAN KEY NOTES:

1. SAW CUT AND REMOVE EXISTING SLAB, GRAVEL AND 2" OF SOIL - OVERLAY WITH 4" OF NEW CLEAN GRAVEL, 15 MIL VAPOR BARRIER AND 4" CONCRETE SLAB WITH #4 BARS AT 18"cc EACH WAY LOCATED AT MID-DEPTH - TOP OF NEW SLAB IS TO BE 4" BELOW TOP OF SURROUNDING SLABS / FINISH FLOOR
2. NEW WALK-IN COOLER INSTALLED OVER NEW 4" SLAB - SEE ARCHITECTURAL AND FOOD SERVICE DRAWINGS
3. EXISTING DOOR OPENING TO BE WIDENED PER DETAILS ON S0.2 - SEE ARCHITECTURAL DRAWINGS
4. EXISTING WALK-IN COOLER TO BE REMOVED - SEE ARCHITECTURAL DRAWINGS
5. NEW FRAMED WALLS PER S0.2 - SEE 3/S4.1 AND 9/S4.1 FOR ATTACHMENT AT EXISTING SLAB AND EXISTING ROOF AND SEE 5/S4.1 FOR ATTACHMENT TO PERPENDICULAR WALLS - LOCATE PER ARCHITECTURAL DRAWINGS

SEE PLUMBING AND ELECTRICAL DRAWINGS FOR CUTTING AND REMOVAL OF EXISTING CONCRETE SLABS TO ALLOW FOR NEW SERVICES. FOR PATCHING AND REPLACING REMOVED SECTIONS OF CONCRETE SLABS, SEE 7/S4.1 AND 11/S4.1

FOUNDATION RELATED WORK AT THE NEW WALK-IN COOLER IS EXEMPT FROM SPECIAL INSPECTIONS AND TESTING BY THE GEOTECHNICAL ENGINEER OF RECORD.

BUILDING KEY PLAN:



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STEPHEN HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

FOUNDATION PLAN
BUILDING A

RW CONSULTING Engineers Inc
1450 HARBOR BLVD SUITE F
WEST SACRAMENTO, CA 95691
916.716.6910

REGISTERED PROFESSIONAL ENGINEER
GREGORY L. RICHARDSON
S4558
Exp. 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

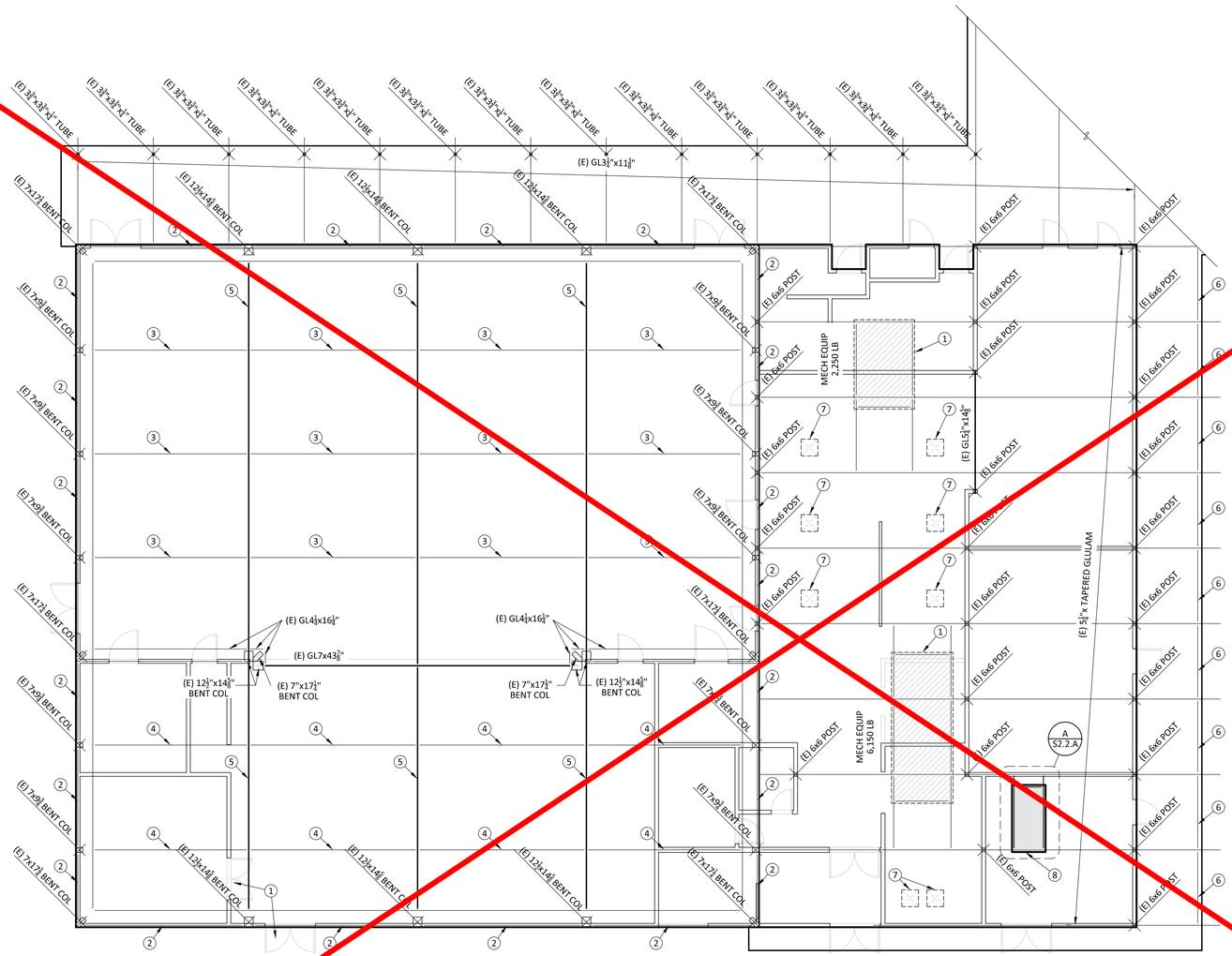
2/7/2023

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		GR
DRAWN GR		
CHECKED GR		
SCALE		
CADFILE		
UPDATED 2/7/2023		

SHEET NO.

S2.1.A

3 OF 7 SHEETS



ROOF FRAMING PLAN
BUILDING A
⅛" = 1'-0"

STRUCTURAL PLAN NOTES:

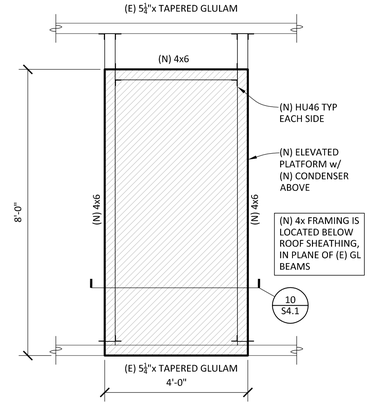
1. CONTRACTOR SHALL COORDINATE ALL WORK CONTAINED HEREIN WITH ALL PROJECT WORK BY OTHERS INCLUDING CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL & PLUMPING.
2. STRUCTURAL SCOPE IS OUTLINED ON SHEET S2.1.A.

STRUCTURAL PLAN LEGEND:

EXISTING WALL
EXISTING FRAMING MEMBER
EXISTING PRIMARY GIRDER

ROOF FRAMING PLAN KEY NOTES:

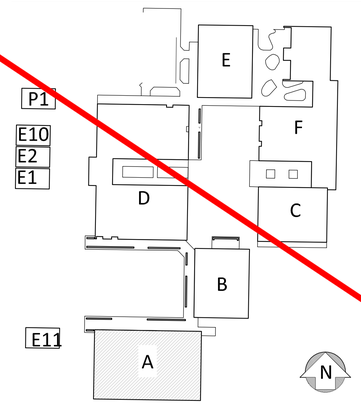
1. EXISTING MECHANICAL EQUIPMENT
2. EXISTING GL3½"x14⅝" BEAM
3. EXISTING GL4½"x14⅝" BEAM
4. EXISTING GL5½"x14⅝" BEAM
5. EXISTING 7x TAPERED GL BEAM
6. EXISTING GL3½"x16½" BEAM
7. EXISTING OPENING IN ROOF TO REMAIN
8. NEW CONDENSER (581 LB) - SEE FOOD SERVICE DRAWINGS



SEE FOOD SERVICE DRAWINGS FOR ANCHORAGE OF NEW CONDENSER

PLAN A
¾" = 1'-0"

BUILDING KEY PLAN:



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-116292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN GRIFFIN
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

ROOF FRAMING PLAN
BUILDING A

RW CONSULTING Engineers Inc
1450 HARBOR BLVD SUITE F
WEST SACRAMENTO, CA 95691
916.716.6910

REGISTERED PROFESSIONAL ENGINEER
GREGORY T. RICHARDS
24958
PROJECT ENGINEER
STATE OF CALIFORNIA

2/7/2023

PROJECT NO.	REVISIONS	BY
21-32-051		
DATE 7/26/2022		GR
DRAWN GR		
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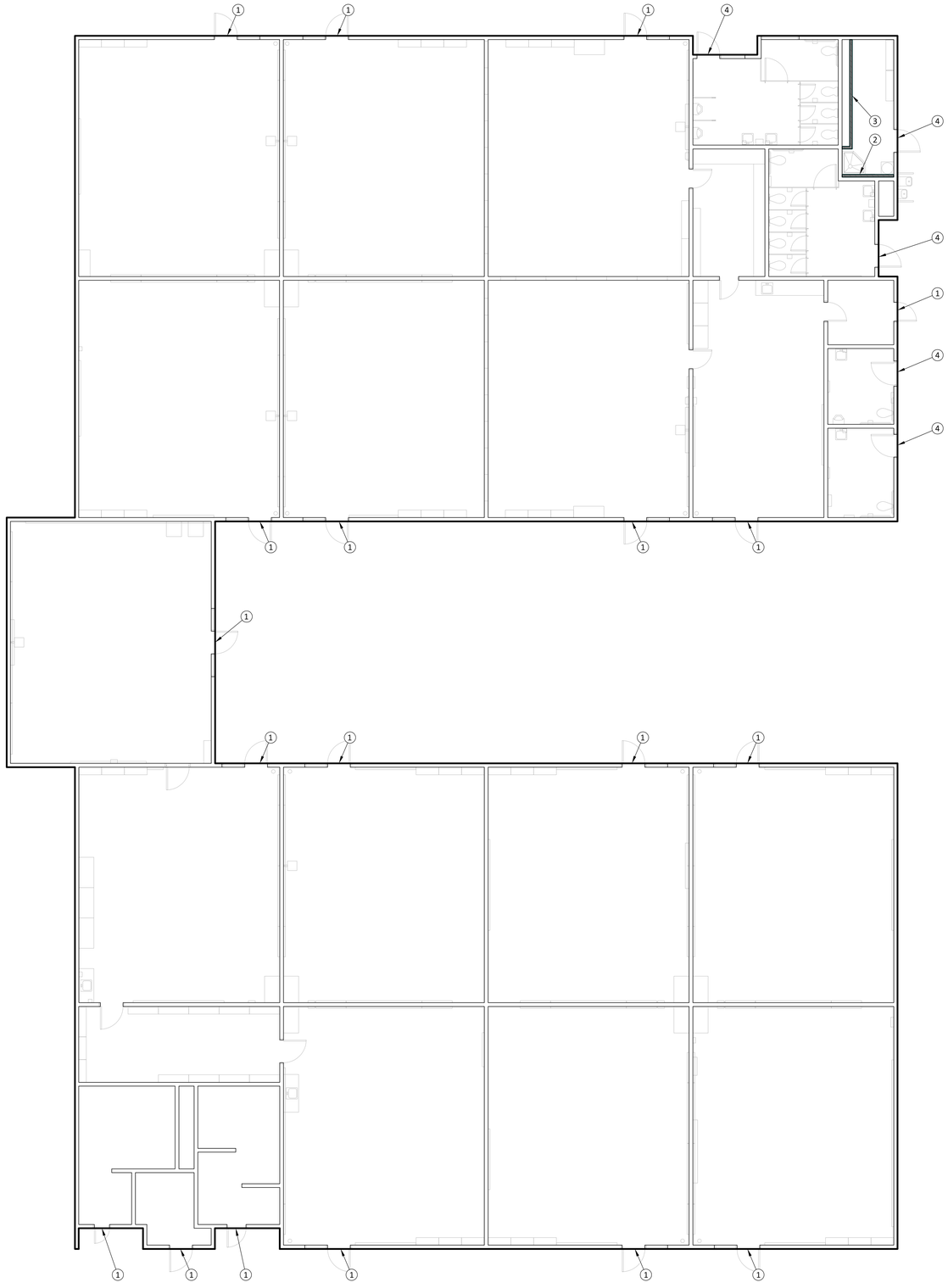
SCALE		
CADFILE		
UPDATED 2/7/2023		

SHEET NO.
S2.2.A
4 OF 7 SHEETS



STRUCTURAL PLAN
BUILDING D
$\frac{3}{8}$" = 1'-0"

FOUNDATION PLAN NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK CONTAINED HEREIN WITH ALL PROJECT WORK BY OTHERS INCLUDING CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL & PLUMPING.
2. STRUCTURAL SCOPE:
   2.1 MISCELLANEOUS FRAMING OF NON-STRUCTURAL PARTITION WALLS
   2.2 MISCELLANEOUS CUTTING AND PATCHING OF CONCRETE SLABS FOR NEW PLUMBING AND ELECTRICAL SERVICES
3. ALL WORK PERFORMED IS TO NOT IMPACT EXISTING LATERAL FORCE RESISTING SYSTEM.

STRUCTURAL PLAN LEGEND:

EXISTING WALL

NEW WALL

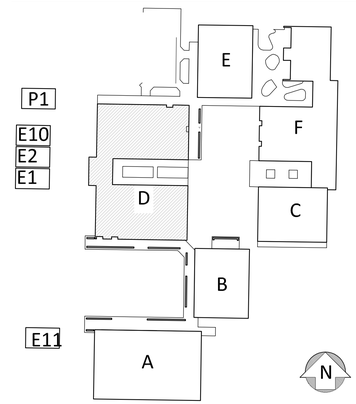
NEW FRAMED OPENING IN EXISTING WALL

ROOF FRAMING PLAN KEY NOTES:

1. EXISTING DOOR, NO MODIFICATIONS - SEE ARCHITECTURAL DRAWINGS
2. NEW FURRED WALL - SEE 1/S4.1 AND 2/S4.1 FOR ATTACHMENT AT EXISTING ROOF AND NEW CURB AND SEE 5/S4.1 FOR ATTACHMENT TO PERPENDICULAR WALLS
3. NEW PARTIAL HEIGHT CHASE WALL WALL - SEE 6/S4.1 FOR ATTACHMENT AT NEW CURB AND SEE 5/S4.1 FOR ATTACHMENT TO PERPENDICULAR WALLS - LOCATE PER ARCHITECTURAL DRAWINGS
4. NEW DOOR TO BE INSTALLED IN EXISTING FRAME - SEE ARCHITECTURAL DRAWINGS

SEE PLUMBING AND ELECTRICAL DRAWINGS FOR CUTTING AND REMOVAL OF EXISTING CONCRETE SLABS TO ALLOW FOR NEW SERVICES. FOR PATCHING AND REPLACING REMOVED SECTIONS OF CONCRETE SLABS, SEE 7/S4.1 AND 11/S4.1

BUILDING KEY PLAN:



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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN GRAY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

STRUCTURAL PLAN
BUILDING D

RW CONSULTING Engineers Inc
1450 HARBOR BLVD SUITE F
WEST SACRAMENTO, CA 95691
916.716.6910

REGISTERED PROFESSIONAL ENGINEER
GREGORY T. RIDRAMEN
S4558
Exp. 6/30/2024
STRUCTURAL
STATE OF CALIFORNIA

2/7/2023

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		GR
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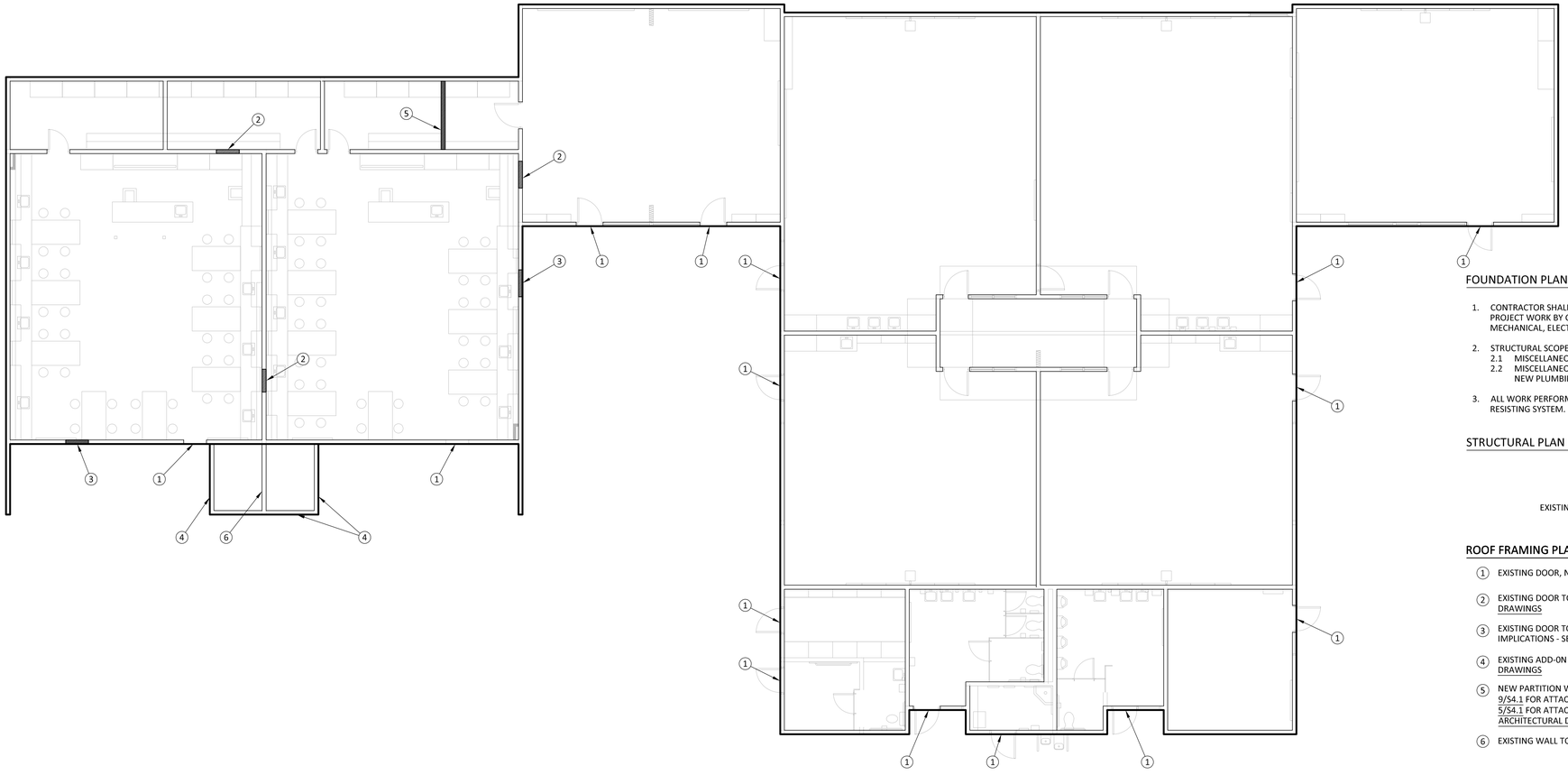
SHEET NO.

S2.1.D

5 OF 7 SHEETS



STRUCTURAL PLAN
BUILDING F
3/8" = 1'-0"

N

FOUNDATION PLAN NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK CONTAINED HEREIN WITH ALL PROJECT WORK BY OTHERS INCLUDING CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL & PLUMPING.
2. STRUCTURAL SCOPE:
   2.1 MISCELLANEOUS FRAMING OF NON-STRUCTURAL PARTITION WALLS
   2.2 MISCELLANEOUS CUTTING AND PATCHING OF CONCRETE SLABS FOR NEW PLUMBING AND ELECTRICAL SERVICES
3. ALL WORK PERFORMED IS TO NOT IMPACT EXISTING LATERAL FORCE RESISTING SYSTEM.

STRUCTURAL PLAN LEGEND:

EXISTING WALL

NEW WALL

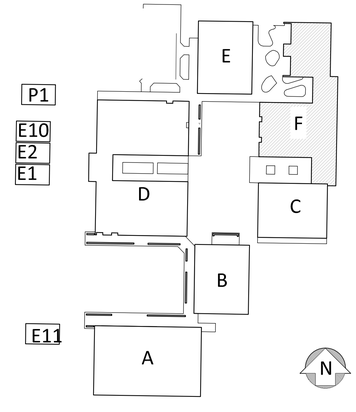
EXISTING OPENING INFILLED

ROOF FRAMING PLAN KEY NOTES:

1. EXISTING DOOR, NO MODIFICATIONS - SEE ARCHITECTURAL DRAWINGS
2. EXISTING DOOR TO BE INFILLED PER 6/S0.2 - SEE ARCHITECTURAL DRAWINGS
3. EXISTING DOOR TO BE INFILLED WITH METAL PANELS, NO STRUCTURAL IMPLICATIONS - SEE ARCHITECTURAL DRAWINGS
4. EXISTING ADD-ON STRUCTURE TO BE DEMOED - SEE ARCHITECTURAL DRAWINGS
5. NEW PARTITION WALL FRAMED PER DETAILS ON S0.2 - SEE 3/S4.1 AND 9/S4.1 FOR ATTACHMENT AT EXISTING SLAB AND EXISTING ROOF AND SEE 5/S4.1 FOR ATTACHMENT TO PERPENDICULAR WALLS - LOCATE PER ARCHITECTURAL DRAWINGS
6. EXISTING WALL TO REMAIN - DO NOT DEMO

SEE PLUMBING AND ELECTRICAL DRAWINGS FOR CUTTING AND REMOVAL OF EXISTING CONCRETE SLABS TO ALLOW FOR NEW SERVICES. FOR PATCHING AND REPLACING REMOVED SECTIONS OF CONCRETE SLABS, SEE 7/S4.1 AND 11/S4.1

BUILDING KEY PLAN:



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STEPHEN HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
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(INCREMENT 1)

STRUCTURAL PLAN
BUILDING F

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REGISTERED PROFESSIONAL ENGINEER
GREGORY L. RICHARDSON
S4558
Exp. 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

2/7/2023

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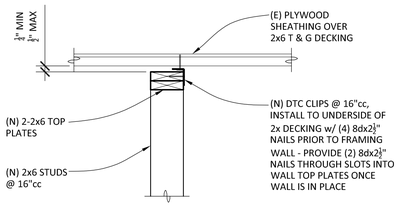
S2.1.F

6 OF 7 SHEETS

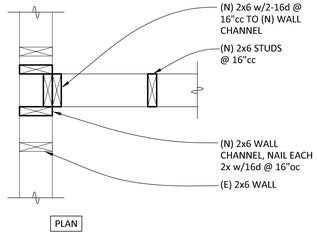
SLAB REPAIR NOTES:

1. INSTALL EPOXIED REBAR WITH HILTI HIT-HY 200 PER ICC ESR-3187. PERIODIC INSPECTION REQUIRED. PULL TEST 10% OF ALL EPOXY BARS TO 2000 LB.
2. INSTALL TITEN ANCHORS PER ICC ESR-2713. TORQUE TEST 10% OF ANCHORS TO 50 FT-LB
3. WHERE NEW CONCRETE IS IN CONTACT WITH EXISTING CONCRETE, ROUGHEN AND CLEAN SURFACE, AND APPLY BONDING AGENT

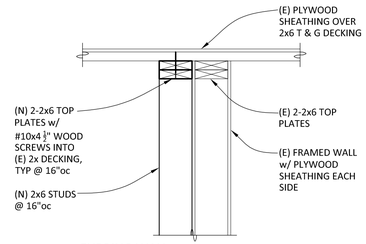
SLAB REPAIR NOTES
1" = 1'-0" — 13



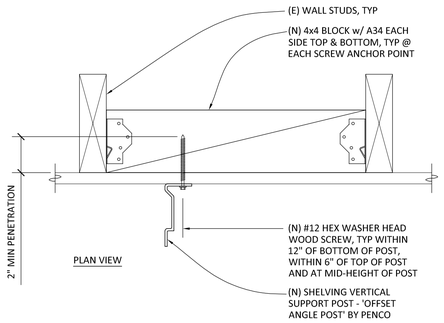
WALL TO ROOF
1" = 1'-0" — 9



WALL INTERSECTION
1" = 1'-0" — 5

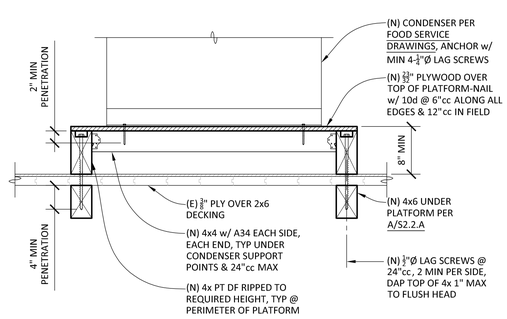


FURRING WALL TO ROOF
1" = 1'-0" — 1

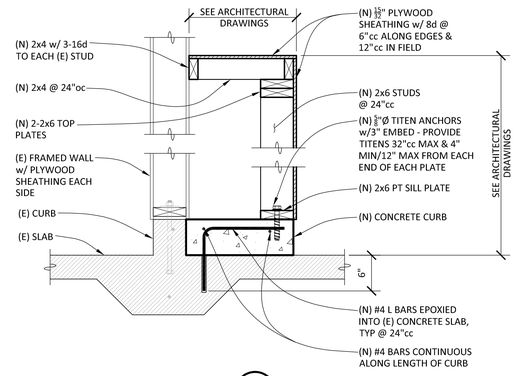


THIS DETAIL IS TO BE USED FOR ANCHORING NEW SHELVING TO EXISTING WALLS AT BUILDINGS E & F - SEE ARCHITECTURAL DRAWINGS

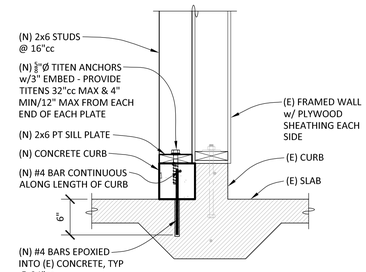
BLOCKING @ SHELVING
3" = 1'-0" — 14



EQUIPMENT PLATFORM
1" = 1'-0" — 10

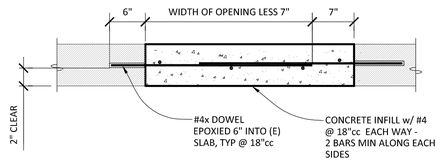


CHASE FRAMING
1" = 1'-0" — 6



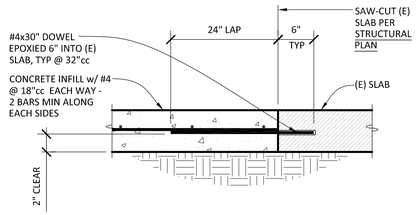
SEE 'DETAIL NOTES' 13/S4.1

FURRING WALL TO CURB
1" = 1'-0" — 2



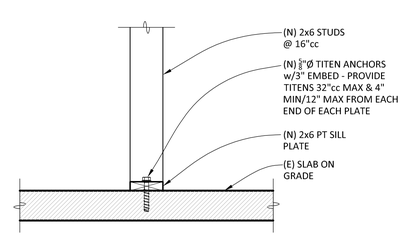
SEE 'DETAIL NOTES' 13/S4.1

SLAB PATCHING
1" = 1'-0" — 11



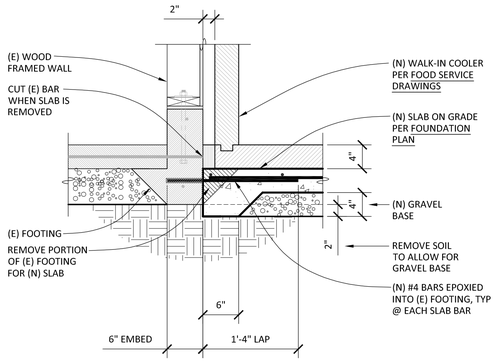
SEE 'DETAIL NOTES' 13/S4.1

SLAB PATCHING
1" = 1'-0" — 7



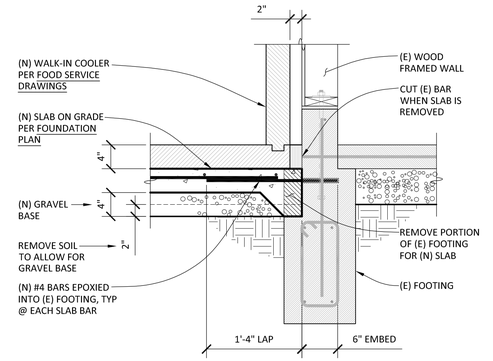
SEE 'DETAIL NOTES' 13/S4.1

WALL TO SLAB
1" = 1'-0" — 3



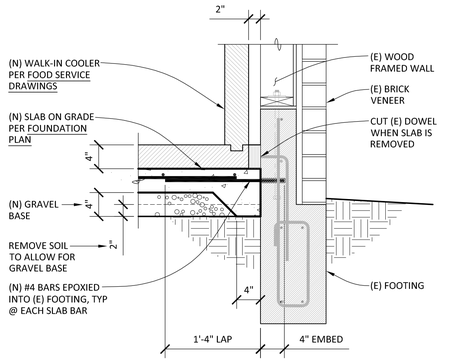
SEE 'DETAIL NOTES' 13/S4.1

NEW COOLER SLAB
1" = 1'-0" — 12



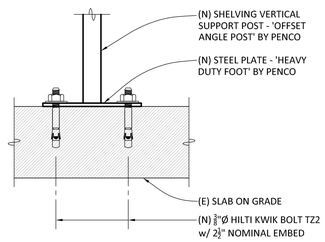
SEE 'DETAIL NOTES' 13/S4.1

NEW COOLER SLAB
1" = 1'-0" — 8



SEE 'DETAIL NOTES' 13/S4.1

NEW COOLER SLAB
1" = 1'-0" — 4



THIS DETAIL IS TO BE USED FOR ANCHORING NEW SHELVING TO EXISTING SLAB AT BUILDING E - SEE ARCHITECTURAL DRAWINGS

SHELVING POST ANCHORAGE
3" = 1'-0" — 15

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LICENSED ARCHITECT STEPHEN GRIFFIN C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1)

DETAILS

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916.716.6910

REGISTERED PROFESSIONAL ENGINEER GREGORY I. RICHARDSON S4058 Exp. 12/31/2023 STRUCTURAL STATE OF CALIFORNIA

2/7/2023

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SHEET NO.

S4.1

7 OF 7 SHEETS

QC	
INI	%

DIFFUSER, REGISTER & GRILLE SCHEDULE

SYMBOL	DESCRIPTION	KRUEGER	METALAIRE	NAILOR	TITUS	TUTTLE & BAILEY
CD ☒	MODULAR CORE SURFACE MOUNT CEILING DIFFUSER BEVEL FRAME 2" DROP	1240 FRAME 21 - 1""	9000-2	7500-S	MCD BORDER TYPE 6	SQD-SB
CD-2 ☒	MODULAR CORE SURFACE MOUNT CEILING DIFFUSER FLAT FRAME	1240 FRAME 22	9000-1	7500-B	MCD BORDER TYPE 1	SQD-SF
CDL ☒	MODULAR CORE LAY-IN CEILING DIFFUSER FOR T-BAR CEILING 24x24 PANEL	1240 FRAME 23	9000-6P	7500-L	MCD BORDER TYPE 3	SQD-LT
CR, CT, CE ◿ ◿	CEILING RETURN, TRANSFER OR EXHAUST WITH * EGG CRATE CORE SURFACE MOUNT	EGC-5	CC5D	61 EC-S	MODEL 50 F BORDER TYPE 1	CRE500-SF
CRL, CTL, CEL ◿ ◿	CEILING RETURN, TRANSFER OR EXHAUST WITH * EGG CRATE CORE IN 24x24 PANEL FOR T-BAR CEILING	EGC-5TB	CC5D-TBD	61 EC-L	MODEL 50 F BORDER TYPE 3	CRE500-LT
R, T, E * ◿ ◿	CEILING OR SIDEWALL RETURN, TRANSFER OR EXHAUST GRILLE WITH 35° OR 45° HORIZONTAL BARS.	S 80 H	SRH	7145 H	350 RL	T70D

NOTES:

1. ALL SYMBOLS NOTED MAY NOT BE USED. REFER TO PLANS FOR SIZE AND QUANTITY.
2. ALL SUPPLY AIR DIFFUSERS ARE 4 WAY BLOW UNLESS SHOWN OTHERWISE.
3. FURNISH ALL PRODUCTS OF A SINGLE MANUFACTURER.
4. COORDINATE DIFFUSER TYPE WITH ARCHITECTURAL REFLECTED CEILING PLAN.
5. OPPOSED BLADE DAMPERS ARE NOT REQUIRED AT DIFFUSERS, REGISTERS OR GRILLES.
6. PROVIDE MANUAL AIR DAMPERS AT EACH BRANCH DUCT TO A SINGLE DIFFUSER, REGISTER OR GRILLE.

PLUMBING GENERAL NOTES

1. SEE ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS AND EXACT LOCATIONS OF PLUMBING FIXTURES.
2. COORDINATE LOCATION OF PIPING WITH OTHER TRADES ON THIS PROJECT.
3. CONCEAL ALL PIPING IN WALL FURRING, PARTITIONS, ETC., EXCEPT AT MECHANICAL ROOMS.
4. PROVIDE BALL VALVES ON WATER PIPE BRANCHES TO EQUIPMENT AND PLUMBING FIXTURES. PROVIDE ACCESS PANELS WHEN LOCATED IN FURRED SPACES OR ABOVE NON-REMOVABLE CEILINGS. ALL VALVES SHALL BE FULL LINE SIZE.
5. SEAL ALL PIPE PENETRATIONS THRU FLOORS WATERTIGHT.
6. ALL FLOOR MOUNTED FIXTURES, CLEAN OUTS & FLOOR DRAINS TO BE FLUSH MOUNTED WITH 2% MAX. SLOPE.
7. DOMESTIC HOT WATER HEATERS SHALL BE SEISMICALLY SECURED TO BUILDING STRUCTURE WITH ADEQUATE STRUCTURAL SUPPORT WITH ANCHOR BOLTS.
8. PRIOR TO ANY SOLENOID VALVE, QUICK CLOSING VALVE, ETC. PROVIDE AND INSTALL SHOCK ABSORBER OF REQUIRED SIZE.
9. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE-STOPPED. FIRE STOPPING SHALL BE AN APPROVED MATERIAL OF THE ENFORCING AGENCY.
10. OFFSET VENTS THRU ROOF 10 FEET MINIMUM FROM AIR INTAKES AND 4 FEET FROM OUTSIDE WALLS.
11. OFFSET ALL RISERS AND DROPS TO AVOID PENETRATIONS AT TOP PLATES.
12. FIELD VERIFY EXACT SIZES, LOCATIONS AND ELEVATIONS OF ALL PIPING CONNECTIONS, OTHER WORK, ETC., PRIOR TO TRENCHING OR INSTALLING OF ANY NEW WORK.
13. BUILDING SEWER, WATER AND STORM DRAIN RUN APPROXIMATELY 5' MIN. FROM BUILDING, SECTION 22 10 00 APPLIES TO UTILITIES IN THE BUILDING, UNDER THE BUILDING AND TO 5' OUTSIDE THE BUILDING, BEYOND THE 5' OUTSIDE OF THE BUILDING SECTION 33 00 00 GOVERNS.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTIACLES HAVING FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED.ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BEWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTION SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENETS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK & ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON PREAPPROVED INSTALLATION GUIDE (e.g., OSHPD OPM FOR 2013 CBC OR LATER). COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP☐ MD☐ PP☐ E☐ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS

MP☐ MD☒ PP☒ E☐ OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM #) #0043-13

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
		TO BE ABANDONED
	ABC	ABOVE CEILING
	AFF	ABOVE FINISHED FLOOR
	AFG	ABOVE FINISHED GRADE
	AF , BF	ABOVE FLOOR , BELOW FLOOR
☐	AD , AP	ACCESS DOOR , ACCESS PANEL
	BFG, BFF	BELOW FINISHED GRADE, BELOW FINISHED FLOOR
	BV	BALL VALVE
		BRANCH - TOP CONNECTION
		BRANCH - BOTTOM CONNECTION
or		BRANCH - SIDE CONNECTION
	BFV	BUTTERFLY VALVE
	CBV	CALIBRATED BALANCE VALVE
	COP	CAP ON END OF PIPE
	CB , RD	CATCH BASIN , ROOF DRAIN
		CENTER LINE
	CKV	CHECK VALVE
	CP	CIRCULATING PUMP
	CW	COLD WATER
	CWR	COLD WATER RISE
	CWD	COLD WATER DROP
	CR	CONCENTRIC REDUCER
CD	CD	CONDENSATE DRAIN LINE (INSIDE BLDG. TO BE INSULATED)
CD	CD	CONDENSATE DRAIN LINE (EXTERIOR NO INSULATION)
CO CO	CO	CLEANOUT
DI	DI	DEIONIZED WATER
°F		DEGREES FAHRENHEIT
– , —		DIAMETER , SQUARE (FEET)
	(E)	EXISTING TO BE REMOVED
FU		FIXTURE UNIT
	CO	TWO WAY CLEANOUT
	CO	FLOOR CLEANOUT
	FD	FLOOR DRAIN
	FS	FLOOR SINK
		FLOW IN DIRECTION OF ARROW
	FLV	FLOW LIMITING VALVE
FV , FT		FLUSH VALVE , FLUSH TANK
(FA) , (TA)		FROM ABOVE , TO ABOVE
(FB) , (TB)		FROM BELOW , TO BELOW
	GSCK , PC	GAS COCK , PLUG COCK
	G	GAS - LOW PRESSURE
	GV	GATE VALVE
	GPM	GALLONS PER MINUTE
	GLV	GLOBE VALVE
	CO	GRADE CLEANOUT
	HB	HOSE BIBB
	HW	HOT WATER PIPING
	HWR	HOT WATER PIPING RISE
	HWD	HOT WATER PIPING DROP
	HWRET	HOT WATER RETURN
	HWRET(R)	HOT WATER RETURN RISE
	HWRET(D)	HOT WATER RETURN DROP
	(N) , (E)	NEW , EXISTING
	(NTS)	NOT TO SCALE
	OH	OVERHEAD
		PITCH DOWN IN DIRECTION OF FLOW
	PT	PLUGGED TEE
	POC	POINT OF CONNECTION, NEW TO EXISTING
	POD	POINT OF DISCONNECT, NEW TO EXISTING
P & TRV	P & TRV	PRESSURE & TEMPERATURE RELIEF VALVE PIPING
	PRV	PRESSURE REDUCING VALVE
RWL	RWL	RAINWATER LEADER
	RV or P&TRV	RELIEF VALVE OR PRESSURE & TEMPERATURE RELIEF VALVE
	RET	RETURN
	RE , IE	RIM ELEVATION , INVERT ELEVATION
	(R) , (D)	RISE , DROP
		RISER DOWN (ELBOW)
		RISER UP (ELBOW)
	R , D	RISE OR DROP
	RD	ROOF DRAIN
	SS, W	SOIL, WASTE OR SANITARY SEWER BELOW FLOOR
		SOLENOID VALVE WITH MOTOR ACTUATOR
SD	SD	STORM DRAIN
	TP	TRAP PRIMER
TP		TRAP PRIMER PIPING
	TYP	TYPICAL
	UN	UNION OR FLANGE
	US, (US)	UNDER SLAB
		VALVE IN RISER (TYPE AS INDICATED OR NOTED)
	VB	VALVE IN VALVE BOX (VALVE TYPE SYMBOL AS REQUIRED FOR VALVE TYPE USED)
	V	VENT PIPING
V , VR , VTR		VENT , VENT RISER , VENT THRU ROOF
	WCO	WALL CLEANOUT
	WHA	WATER HAMMER ARRESTER

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT — C-22525 — 12/31/23 RENEWAL DATE — STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

PLUMBING LEGEND, SCHEDULES & NOTES

CONSULTANT

EXPIRES 12/31/24 — MECHANICAL — STATE OF CALIFORNIA

DATE SIGNED: 2/07/2023

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN RL/DV		
CHECKED MCM/RC		
SCALE AS NOTED		
CADFILE		
UPDATED 2/07/23		

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OF 116 SHEETS

capital engineering
Rancho Cordova, California
MCM - RL/SL — PM - DESIGN TEAM
211128.00 — PROJECT NO.

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ELECTRIC WATER HEATER SCHEDULE

UNIT	LOCATION	"AO SMITH" MODEL NO.	STORAGE CAPACITY GALLONS	RECOVERY GALLONS @ 100° F RISE	MAX. TEMP SETTING	KW	VOLTAGE	AMPS	MAX WEIGHT (FULL)	PIPING DETAIL	MOUNTING DETAIL	NOTES
EWH D1	BLDG. D SHELF MNT'D	DEL-20 6KW	20	25 GPH	120°F	6.0	208V/1PH	28.8	250	6 P8.1.1	3 P8.1.2	NON SIMULTANEOUS SINGLE ELEMENT OPERATION
EWH E1	BLDG. E FLOOR MNT'D	DEN-30	30	12 GPH	120°F	3.0	208V/1PH	14.4	295	6 P8.1.1	4 P8.1.1	NON SIMULTANEOUS SINGLE ELEMENT OPERATION
EWH F1	BLDG. F SHELF MNT'D	DEL-20 6KW	20	25 GPH	120°F	6.0	208V/1PH	28.8	250	5 P8.1.1	3 P8.1.2	NON SIMULTANEOUS SINGLE ELEMENT OPERATION

EXPANSION TANK SCHEDULE

UNIT	LOCATION	"WATTS" MODEL NO.	TANK VOLUME GALLONS	MIN. ACCEPT. VOLUME	DETAIL	NOTES
ET D1	BLDG. D	PLT-5	2.1	1.48	1 P8.1.1	8"Ø x 111", 18 LBS. "HOLDRITE" SUPPORT W/QUICK STRAP #QS-5
ET E1	BLDG. E	PLT-5	2.1	1.48	1 P8.1.1	8"Ø x 111", 18 LBS. "HOLDRITE" SUPPORT W/QUICK STRAP #QS-5
ET F1	BLDG. F	PLT-5	2.1	1.48	1 P8.1.1	8"Ø x 111", 18 LBS. "HOLDRITE" SUPPORT W/QUICK STRAP #QS-5

HEAT TRACE CABLE SCHEDULE

UNIT	LOCATION	"HWAT" MODEL NO.	REGULATED TEMPERATURE	VOLTAGE	AMP/FT.	AMP CB	MA
HTC A1	FREEZER	XL-TRACE	40°F	120V/1Ø	0.104	15	--

CIRCULATING PUMP SCHEDULE

UNIT	LOCATION	"B&G" MODEL NO.	GPM	FT OF HEAD	WATTS	VOLTAGE	CONTROLS	NOTES
CP D1	BLDG. D	NBF-10	2	12	52	115V/1Ø	1 P8.1.2	9 LBS SET TIME CLOCK TO TIMES DIRECTED BY DISTRICT
CP E1	BLDG. E	NBF-10	2	12	52	115V/1Ø	1 P8.1.2	9 LBS SET TIME CLOCK TO TIMES DIRECTED BY DISTRICT

TEMPERATURE MIXING VALVE

UNIT	QUANTITY	LOCATION	"MFR" MODEL NO.	GPM	PSI	MIN. GPM	DETAIL	NOTE
TMV E1	6	UNIT	"POWERS" ETV200	23.2	15	3	2/P8.1.2	ESH/EW OUTPUT TEMP SET FOR 85°F

INSTANTANEOUS WATER HEATER SCHEDULE

UNIT	LOCATION	"CHRONOMITE" MODEL NO.	ΔT TEMP. RISE AT FLOW RATE	MAX. TEMP SETTING	VOLTAGE WATTS	AMPS	WEIGHT	DETAIL
IWH F1	BLDG F	M-30L/120-MM	49°F / 0.5 GPM	104°F	120V/1Ø 3600	30	6 LBS	5 P8.1.2
IWH F2	BLDG F	M-30L/120-MM	49°F / 0.5 GPM	104°F	120V/1Ø 3600	30	6 LBS	5 P8.1.2

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PLUMBING FIXTURE SPECIFICATIONS AND SCHEDULES

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PLUMBING FIXTURE SPECIFICATION & CONNECTION SCHEDULE

ADA	SYMBOL	FIXTURE	FIXTURE MANUFACTURER AND MODEL No.	FAUCET OR VALVE MANUFACTURER AND MODEL No.	TRIM MANUFACTURER AND MODEL No.	REMARKS	VENT	WASTE		COLD WATER		HOT WATER	
								BRANCH	OUTLET	BRANCH	OUTLET	BRANCH	OUTLET
	WC-1	**WATER CLOSET** WALL MOUNTED FLUSH VALVE STD/ACCESSIBLE	"KOHLER" KINGSTON 1.28, NO. K84325-SS-0, WALL HUNG, VITREOUS CHINA, ELONGATED, SIPHON JET ACTION, 1-1/2" TOP SPUD. 1.28 GPF	"SLOAN" ROYAL 111 HET 1.28, ADA COMPLIANT, 1.28 GPF (MANUAL)	SEAT: "CHURCH" MODEL 295SSCT OR "BEMIS" MODEL 1955SSCT. PROVIDE WITH SELF- SUSTAINING CONCEALED CHECK HINGES, ONE PIECE STAINLESS STEEL POST HINGES, WHITE COLOR. CARRIER: "JAY R. SMITH" 100 OR 200 SERIES OR 500# RATED "ZURN" Z1201 AND Z1202 SERIES PROVIDE REAR SUPPORT LUG AND ANCHOR FOOT ASSEMBLY.	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH VALVE HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.	2"	4"	4"	1-1/4"	1"	--	--
	WC-2	**WATER CLOSET** FLOOR MOUNTED FLUSH VALVE ACCESSIBLE	"KOHLER" HIGHCLIFF NO. K-96057-SS, FLOOR MOUNTED, ELONGATED, SIPHON JET ACTION 1-1/2" TOP SPUD, 16-7/8" RIM HEIGHT. 1.28 GPF ANTIMICROBIAL	"SLOAN" ROYAL 111 HET 1.28, ADA COMPLIANT, 1.28 GPF (MANUAL)	SEAT: "CHURCH" MODEL 295SSCT OR "BEMIS" MODEL 1955SSCT. PROVIDE WITH SELF- SUSTAINING CONCEALED CHECK HINGES, ONE PIECE STAINLESS STEEL POST HINGES, WHITE COLOR.	WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH VALVE HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.	2"	4"	4"	1-1/4"	1"	--	--
	~~WC-3~~	**WATER CLOSET** FLOOR MOUNTED FLUSH TANK ACCESSIBLE	"KOHLER" HIGHLINE NO. K-3519 FLOOR MOUNTED, ELONGATED, 1.0 GPF, PRESSURE ASSISTED SIPHON JET TANK TYPE. 17-1/8" RIM HEIGHT.	INTEGRAL	SEAT: "CHURCH" MODEL 295SSCT OR "BEMIS" MODEL 1955SSCT. PROVIDE WITH SELF- SUSTAINING CONCEALED ~~CONCEALED CHECK HINGES~~, ONE PIECE STAINLESS STEEL POSTS. WHITE COLOR. SUPPLY STOP: "BRASS CRAFT" MODEL SR-3712-DL.	WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH TRIP LEVER SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.	2"	4"	4"	1"	3/4"	-	-
	UR-1	**URINAL** WALL MOUNTED FLUSH VALVE ACCESSIBLE	"KOHLER" BARDON 1/8 GPF NO. K-4991-ET WALL HUNG, VITREOUS CHINA, SIPHON JET ACTION. 3/4" TOP SPUD. 2" THREADED OUTLET. .125 GPF WEIGHT = 51 LBS.	"SLOAN" ROYAL 186 HEU 0.125, 0.125 GPF (MANUAL)	CARRIER: "JAY R. SMITH" 637 SERIES OR "ZURN" Z1222	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS.	1-1/2"	2"	2"	1"	3/4"	--	--
	L-1	**LAVATORY** WALL MOUNTED COLD WATER ONLY STD/ACCESSIBLE	**EXISTING FIXTURE TO BE REINSTALLED WITH NEW FAUCET**	"CHICAGO" 857-E2805-665PSHAB TAPERED HANDLE FAUCET, PUSH-BUTTON TYPE. MODEL E2805 VANDAL RESISTANT ECONO-FLO SPRAY OUTLET, 0.5 GPM FLOW RESTRICTOR. ADA COMPLIANT	ADA COMPLIANT. LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, INTEGRAL PERFORATED GRID NO. 7723.018, CHROME FINISH. MOUNT P-TRAP FLUSH TO WALL. CARRIER: "JAY R. SMITH" 0700 OR ZURN Z1231	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. PROVIDE CONCEALED ARMS AND FLOOR SUPPORT, WITH FEET OF SUPPORT SECURELY ANCHORED TO FLOOR. IN ADDITION ANCHOR TOP OF SUPPORT TO WALL CONSTRUCTION.	1-1/2"	2"	1-1/2"	3/4"	1/2"	-	-
	L-2	**LAVATORY** WALL MOUNTED HOT AND COLD WATER STD/ACCESSIBLE	**EXISTING FIXTURE TO BE REINSTALLED WITH NEW FAUCET**	"CHICAGO" 3600-E2805AB FAUCET, PUSH LEVER WITH AERATOR WITH 0.5 GPM FLOW RATE. WITH VANDAL RESISTANT ECONO-FLO SPRAY OUTLET. WITH IPS CONNECTIONS, ADA COMPLIANT.	ADA COMPLIANT. LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, INTEGRAL PERFORATED GRID NO. 7723.018, CHROME FINISH. MOUNT P-TRAP FLUSH TO WALL. CARRIER: "JAY R. SMITH" 0700 OR ZURN Z1231	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. PROVIDE CONCEALED ARMS AND FLOOR SUPPORT, WITH FEET OF SUPPORT SECURELY ANCHORED TO FLOOR. IN ADDITION ANCHOR TOP OF SUPPORT TO WALL CONSTRUCTION.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	S-1	**SINK** COUNTER MOUNTED COLD WATER ONLY	"ELKAY" MODEL LRADQ2219-65-BP, 19" FRONT TO BACK, 22" WIDE x 6-1/2" DEPTH OVERALL. 18 GAUGE STAINLESS STEEL, LEDGE BACK WITH SELF-RIM. PROVIDE SINGLE FAUCET HOLE. PROVIDE REAR DRAIN LOCATION. PROVIDE FACTORY ADHERED VANDAL RESISTANT BACKING PLATE AT FAUCET, AND SLOT AT FAUCET FOR VANDAL RESISTANT PINS.	"CHICAGO" ECAST MODEL 350-E35ABCP(VVAVVP) GOOSENECK FAUCET. PROVIDE VANDAL PROOF PIN (VPP) IN FAUCET, ARRANGE TO MATE WITH SLOTS IN SINK. PROVIDE 1.5 GPM VANDAL RESISTANT LAMINAR FLOW AERATOR.	"ELKAY" MODEL LKAD35, OFFSET CRUMB CUP STRAINER WITH REMOVABLE BASKET AND P-TRAP. INSTALL P-TRAP FLUSH TO WALL.		1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	S-2	**SINK** COUNTER MOUNTED HOT AND COLD WATER	"ELKAY" MODEL LRADQ2219-65-BP, 19" FRONT TO BACK, 22" WIDE x 6-1/2" DEPTH OVERALL. 18 GAUGE STAINLESS STEEL, LEDGE BACK WITH SELF-RIM. PROVIDE SINGLE FAUCET HOLE. PROVIDE REAR DRAIN LOCATION. PROVIDE FACTORY ADHERED VANDAL RESISTANT BACKING PLATE AT FAUCET, AND SLOT AT FAUCET FOR VANDAL RESISTANT PINS.	"CHICAGO" ECAST MODEL 50-E35ABCP(VVAVVP) GOOSENECK FAUCET, 1.5 GPM VANDAL RESISTANT LAMINAR FLOW AERATOR AND RIGID/SWING FAUCET. PROVIDE VANDAL RESISTANT PIN IN FAUCET, ARRANGED TO MATE WITH SLOT IN SINK.	"ELKAY" MODEL LKAD35, OFFSET CRUMB CUP STRAINER WITH REMOVABLE BASKET AND P-TRAP. INSTALL P-TRAP FLUSH TO WALL.		1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	~~SS-1~~	**SERVICE SINK** FLOOR MOUNTED HOT AND COLD WATER JANITORS	"ACORN" TNC-24-SH-SSC, TERRAZZO-WARE, 24"x24"x12" DEEP FLOOR MOUNTED, TERRAZZO, WITH STAINLESS STEEL CAP. UNIT SHALL INCLUDE MODEL KH36 HOSE WITH WALL HANGER, KMH MOP HANGER WITH 3 SPRING LOADED GRIPS ON A STAINLESS STEEL BRACKET.	"CHICAGO" MODEL 897-CP WALL MOUNTED POLISHED CHROME FAUCET WITH VACUUM BREAKER, ADJUSTABLE TOP BRACE AND 3/4" MALE THREADED HOSE OUTLET.		AS PART OF ROUGH-IN FOR FAUCET, PROVIDE SUITABLE BLOCKING FOR TOP BRACE. PROVIDE CAP WITH FLANGE ON SIDES ADJACENT TO WALLS.	2"	3"	3"	3/4"	3/4"	3/4"	3/4"
	EW-1	**EYE WASH** ACCESSIBLE	"HAWS" MODEL 7360BTWC, EYE/FACE WASH "BRADLEY" MODEL S-19-220 ABF, EYE/FACE WASH "GUARDIAN" MODEL G1750, EYE/FACE WASH	INTEGRAL	INTEGRAL	PROVIDE TMV & SOV IN RECESSED BOX	1-1/2"	2"	2"	3/4"	1/2"	-	-
	EW-2	**EYE WASH** ACCESSIBLE	"HAWS" MODEL 7610, DECK MOUNTED PULL DOWN EYE WASH "BRADLEY" MODEL S19-280, DECK MOUNTED PULL DOWN EYE WASH	INTEGRAL	INTEGRAL		-	-	-	3/4"	1/2"	-	-
	RIM	**REFRIGERATOR ICE MAKER**	"GUY GRAY" MODEL SSIB2AB LEAD FREE ICE MAKER HOOK-UP, WITH " FIP INLET AND " COMPRESSION OUTLET	INTEGRAL	INTEGRAL	PROVIDE STAINLESS STEEL BOX AND STAINLESS STEEL FACE PLATE.	-	-	-	1/2"	1/4"	-	-
	DW	**DISHWASHER**	"ZURN", MODEL CD3P SPEEDFLEX OR "WATTS" MODEL 765-666 AIR GAP FITTING IN SINK LEDGE	INTEGRAL	PROVIDE HW STOP VALVE	ROUGH-IN AND CONNECT HOT WATER AND 2" VENTED P-TRAP	-	-	-	-	-	-	1/2"
	WM	**WASHMACHINE WASHER BOX**	"ACORN" MODEL 8186 WASH MACHINE BOX.	INTEGRAL	INTEGRAL	WITH HOT AND COLD WATER HOSE BIBBS AND DRAIN CONNECTION	1-1/2"	2"	2"	3/4"	1/2"	3/4"	1/2"
	GO	**GAS OUTLET**	"CHICAGO" MODEL 980-VR909CAGCP, VANDAL RESISTANT TURRET WITH SINGLE BALL VALVE. PROVIDE WITH GSOV BELOW COUNTER TOP WITHIN CABINETRY.										

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PLUMBING FIXTURE SPECIFICATIONS

CONSULTANT

CERTIFIED ENGINEER
MECHANICAL
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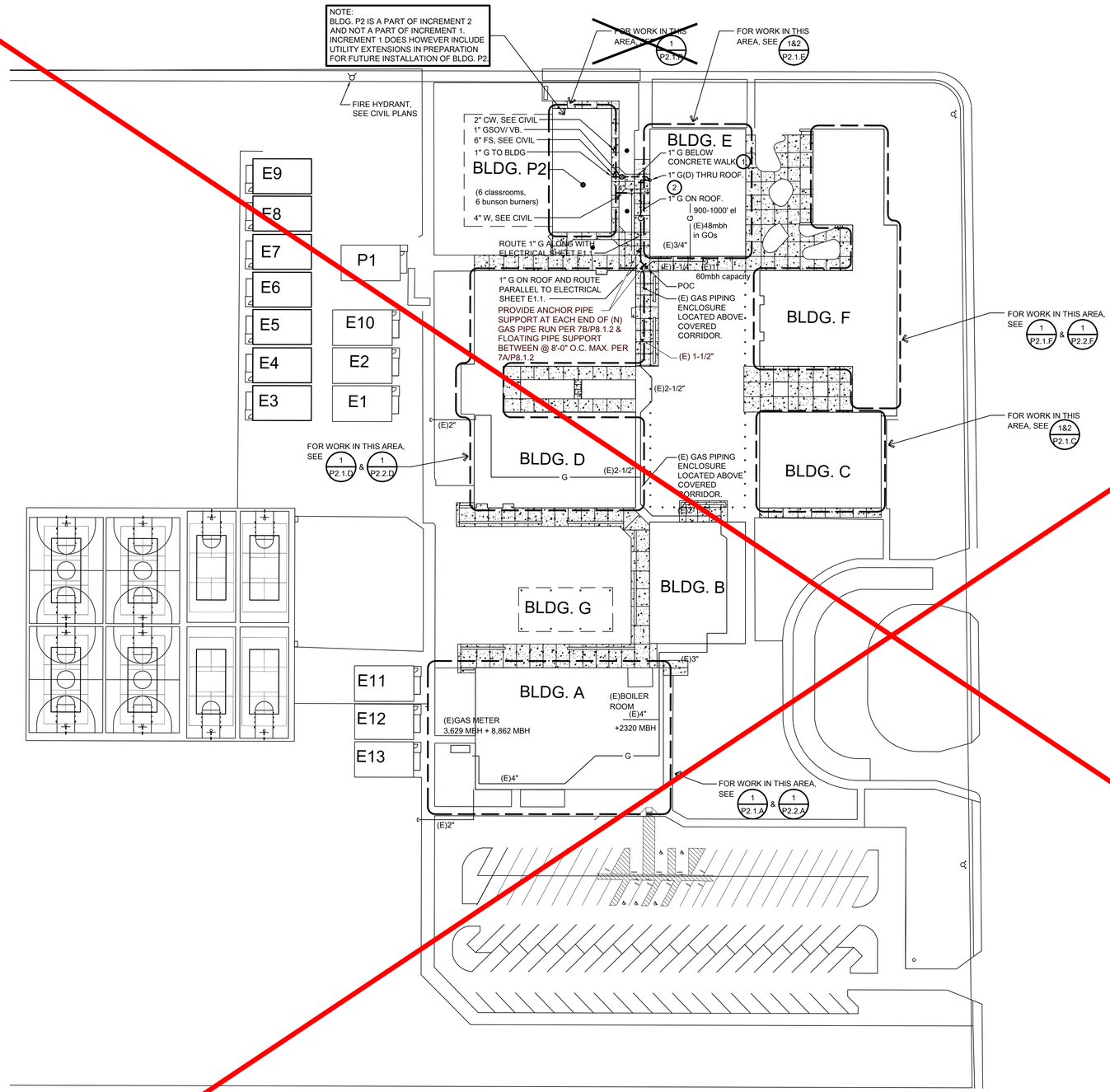

PLUMBING SITE PLAN

SCALE : 1" = 40'-0"

1 P1.1.2

N

PLUMBING DEMOLITION GENERAL NOTES:

1. ALL WORK FOR THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE FULLY COORDINATED BETWEEN THE CONTRACTOR AND THE OWNER. THE ARCHITECT AND ENGINEERS THAT HAVE CREATED THE DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT ARE NOT RESPONSIBLE FOR SPECIFYING REQUIREMENTS FOR, OR CONSTRUCTION OBSERVATION OF, HAZARDOUS MATERIAL REMOVAL. THE OWNER SHALL PROVIDE SEPARATE DOCUMENTS REQUIRED FOR HAZARDOUS MATERIAL REMOVAL AND SEPARATE CONSTRUCTION OBSERVATION OF HAZARDOUS MATERIAL REMOVAL. CONTACT OWNER FOR MORE INFORMATION.
2. EXISTING PLUMBING LAYOUT BASED FROM AVAILABLE RECORD DRAWINGS OF UNKNOWN ACCURACY. EXISTING PIPING ESPECIALLY THOSE CONCEALED AND / OR UNDERGROUND MAY HAVE BEEN INSTALLED DIFFERENTLY FROM SHOWN ON THE DRAWING SET. CONTRACTOR SHALL INVESTIGATE EXISTING PIPE ROUTE, ELEVATION, SIZE AND CONDITION, THRU VISUAL OBSERVATIONS, POT-HOLING, RADAR INSPECTION OR OTHER MEANS NECESSARY TO COMPLETE WORK, PRIOR TO ANY NEW PIPE INSTALLATION. REFLECT ALL FINDINGS ON SHOP DRAWINGS FOR COORDINATION AMONGST TRADES. SHOW EXISTING AND OR ABANDONED PIPING, ROUTE, ELEVATION, AND OTHER OBSERVATIONS ON AS-BUILT DRAWING IF DIFFERENT FROM SHOWN ON THE DRAWING SET.
3. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL REMOVE ALL INACTIVE PLUMBING PIPING ENCOUNTERED / VISIBLE WITHIN WORK AREA. CAP BEHIND ARCHITECTURAL FINISHES. SHOW CAP LOCATIONS ON AS-BUILT DRAWINGS.
4. PATCH ALL UNUSED ROOF PENETRATIONS TO MATCH EXISTING. SEE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
5. PROVIDE SLAB / WALL DEMOLITION WORK AS NECESSARY TO REMOVE, REPLACE, REROUTE OR ADD PIPING. SEE STRUCTURAL FOR SLAB REPLACEMENT.

~~SHEET KEYNOTES NOTES~~

1. PROVIDE GAS PIPE SLEEVE WHERE GAS PIPING RUNS BELOW THE CONCRETE SIDE WALK. FOR DETAIL SEE 7/P8.1.1.
2. 1" G (D) THROUGH ROOF ABOVE AND RUN ALONG EXTERIOR WALL AND BELOW GRADE. COORDINATE EXACT DROP THRU ROOF LOCATION SO THAT THE DROP IS NOT IN FRONT OF ANY WINDOWS.

PLUMBING GENERAL NOTES:

1. COORDINATE LOCATION WITH WATER, WASTE AND GAS WITH FINAL BUILDING LOCATION.
2. ALL FINISH FLOOR ELEVATIONS (FF) BASED ON CIVIL GRADING DRAWINGS. PLEASE REFER TO CIVIL DRAWINGS FOR MORE INFORMATION. COORDINATE EXACT ELEVATIONS THRU SHOP DRAWINGS AND AT SITE.
3. PROVIDE TEMPORARY UTILITIES TO ALL FIXTURES TO REMAIN IN SERVICE DURING CONSTRUCTION PERIOD. COORDINATE ALL SERVICE INTERRUPTIONS WITH SCHOOL DISTRICT.
4. SEE GEOTECH REPORT FOR TRENCHING REQUIREMENTS, GROUND WATER ELEVATION, PIPE CORROSION AND OTHER SOILS INFORMATION. PROTECT UNDERGROUND METALLIC PIPING FROM COROSSION, SEE PLUMBING SPECIFICATIONS FOR MORE INFORMATION.
5. ALL PIPING SHOWN DIAGRAMMATICALLY. ADJUST ALL PIPE ELEVATIONS OR ROUTING IF NECESSARY. PROVIDED SHOP DRAWINGS SHALL BE FULLY COORDINATED AMONGST TRADES PRIOR TO ANY PIPE INSTALLATION.
6. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS OF ALL PLUMBING SYSTEMS AS INSTALLED AT THE JOB SITE, DRAWN BY CONTRACTOR OVER THESE DESIGN PLANS. AS-BUILT DRAWINGS SHALL INCLUDE BUT NOT LIMITED TO: EXACT PIPE ROUTE ESPECIALLY OF CONCEALED OR UNDERGROUND PIPING, UNDERGROUND PIPE ELEVATIONS, PIPE SIZES, DIMENSIONS FROM WALLS/GRID LINES OF ANY REROUTED PIPE, RFI/CCD/ASI TAG AS REFERENCE TO WHERE CHANGES OCCURRED FROM IF ANY, AND ANY INFORMATION THAT MAY CLARIFY HOW THE SYSTEMS HAD BEEN INSTALLED OR HOW IT DIFFERS FROM THESE DESIGN PLANS. REFERENCE TO AN RFI/CCD/ASI ALONE SHALL NOT CONSTITUTE AS-BUILT DRAWINGS. AS-BUILT DRAWINGS SHALL BE IN HARD COPY AND DIGITAL (PDF) FORMAT. AS-BUILTS SHALL BE FOR OWNER'S RECORD KEEPING FOR MAINTENANCE UPKEEP BY OWNER'S CREW, AND FOR POSSIBLE FUTURE IMPROVEMENTS. PROVIDE "AS-BUILT" TAG AND CONTRACTOR INFORMATION ON ALL AS-BUILT SHEETS.
7. CONNECT WASTE, VENT & COLD WATER LINES TO ALL NEW FIXTURES. SEE FIXTURE SCHEDULE FOR BRANCH AND FIXTURE OUTLET/INLET CONNECTION SIZES.
8. HORIZONTAL DRAINAGE AND VENT PIPING SHALL BE RUN IN PRACTICAL ALIGNMENT AND A UNIFORM SLOPE OF NOT LESS THAN 2% TOWARD THE POINT OF DISPOSAL UNLESS IMPRACTICAL DUE TO BUILDING'S STRUCTURAL FEATURES, OR IF CONNECTING TO EXISTING PIPE AT ITS EXISTING UPSTREAM/DOWNSTREAM DEPTH IS IMPOSSIBLE WITHOUT SLOPING LESS THAN 2%. IN SUCH CONDITIONS, PIPE CAN BE SLOPED AT NO LESS THAN 1%. COORDINATE AMONGST TRADES AND REFLECT ALL CHANGES ON THE AS-BUILT DRAWINGS.
9. COORDINATE ALL CONNECTION POINTS AMONGST TRADES AT SITE PRIOR TO INSTALLATION.
10. FOR PIPE ON ROOF MOUNTING DETAIL SEE 7/P8.1.2.
11. FOR PIPE THRU ROOF DETAIL SEE 6/P8.1.2.
12. ALL VALVES ABOVE CEILING SHALL BE ACCESSIBLE THRU ACCESS PANELS WITH AN OPENING OF NO MORE THAN 14"X14" AND SHALL BE WITHIN ARMS REACH FROM THE ACCESS PANEL OPENING.
13. PRIME AND PAINT ALL EXPOSED PIPING TO MATCH ARCHITECTURAL FINISH.
14. NO EXPOSED PIPING SHALL BE LEFT TO RUST OR SUBJECTED TO CONDITIONS DETRIMENTAL TO THE PIPE WITHOUT PROVIDING PROTECTION, TEMPORARY OR OTHERWISE, SUITABLE TO THE TYPE OF PIPE BEING PROTECTED.
15. CLOSELY COORDINATE ALL PENETRATIONS THRU STRUCTURAL MEMBERS AT SITE THRU SHOP DRAWINGS PRIOR TO ANY INSTALLATION. ALL NOTCHES AND HOLES SHALL BE NEATLY BORED. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

PLUMBING SITE PLAN

CONSULTANT

EXPIRES 12/31/24
MECHANICAL
STATE OF CALIFORNIA

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CADFILE		
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SHEET NO.

P1.1.2

OF 116 SHEETS

capital engineering
RANCHO CORDOVA, CALIFORNIA
MCM - RL/SL — PM - DESIGN TEAM
211128.00 — PROJECT NO.

QC	
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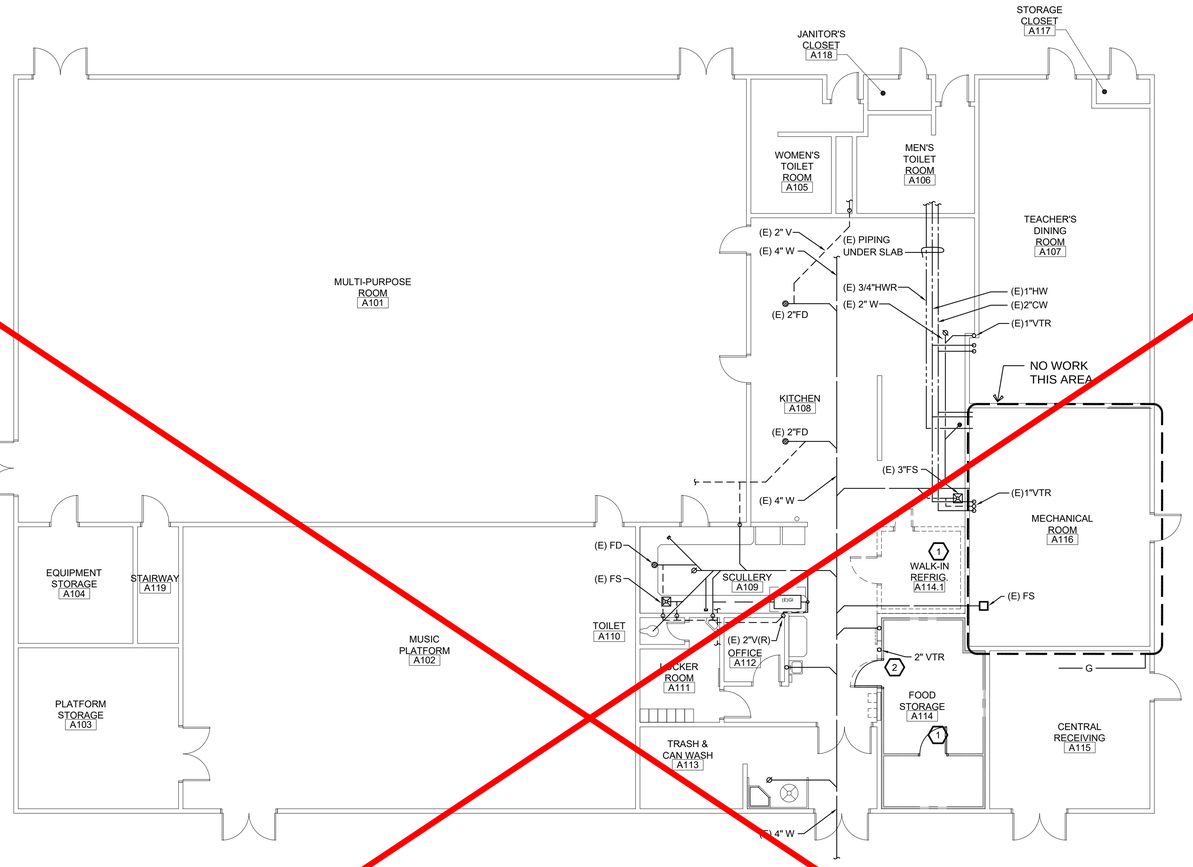
DEMOLITION SHEET NOTES:

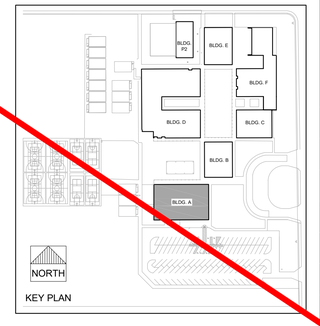
1. REMOVE CONDENSATE AND ALL HEAT TRACE AND HEAT TRACE COMPONENTS WITHIN AND SERVING THE WALK-IN REFRIG. A114.1 AND FOOD STORAGE A114.
2. REMOVE THE VENT WITHIN THE WALL BEING REMOVED. REMOVE VENT BELOW THE ROOF DECK. AND PREPARE FOR RECONNECTION.



PLUMBING DEMO PLAN - BLDG. A

1 / P2.1.A

SCALE : 1/8" = 1'-0" NO PLUMBING SCOPE



KEY PLAN

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MODERNIZATION
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(INCREMENT 1)

PLUMBING DEMOLITION
FLOOR PLANS - BUILDING A

CONSULTANT

EXPIRES 12/31/24 MECHANICAL STATE OF CALIFORNIA

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SHEET NO.

P2.1.A

OF 116 SHEETS

capital engineering
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QC

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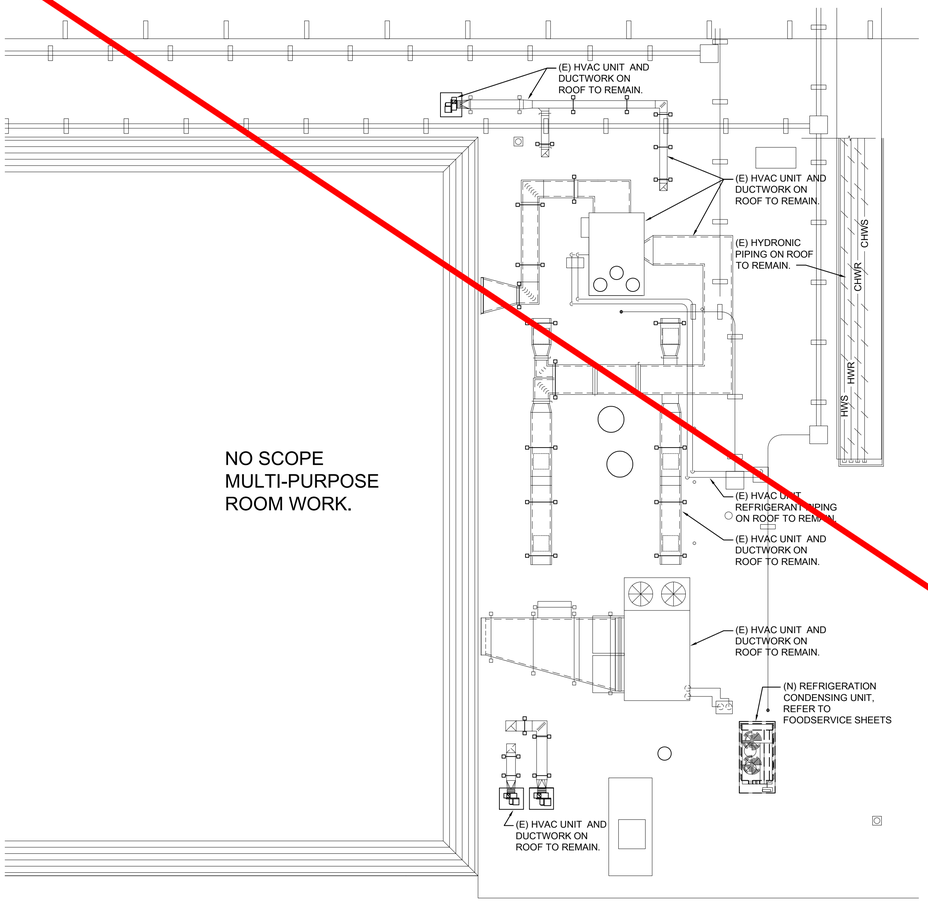
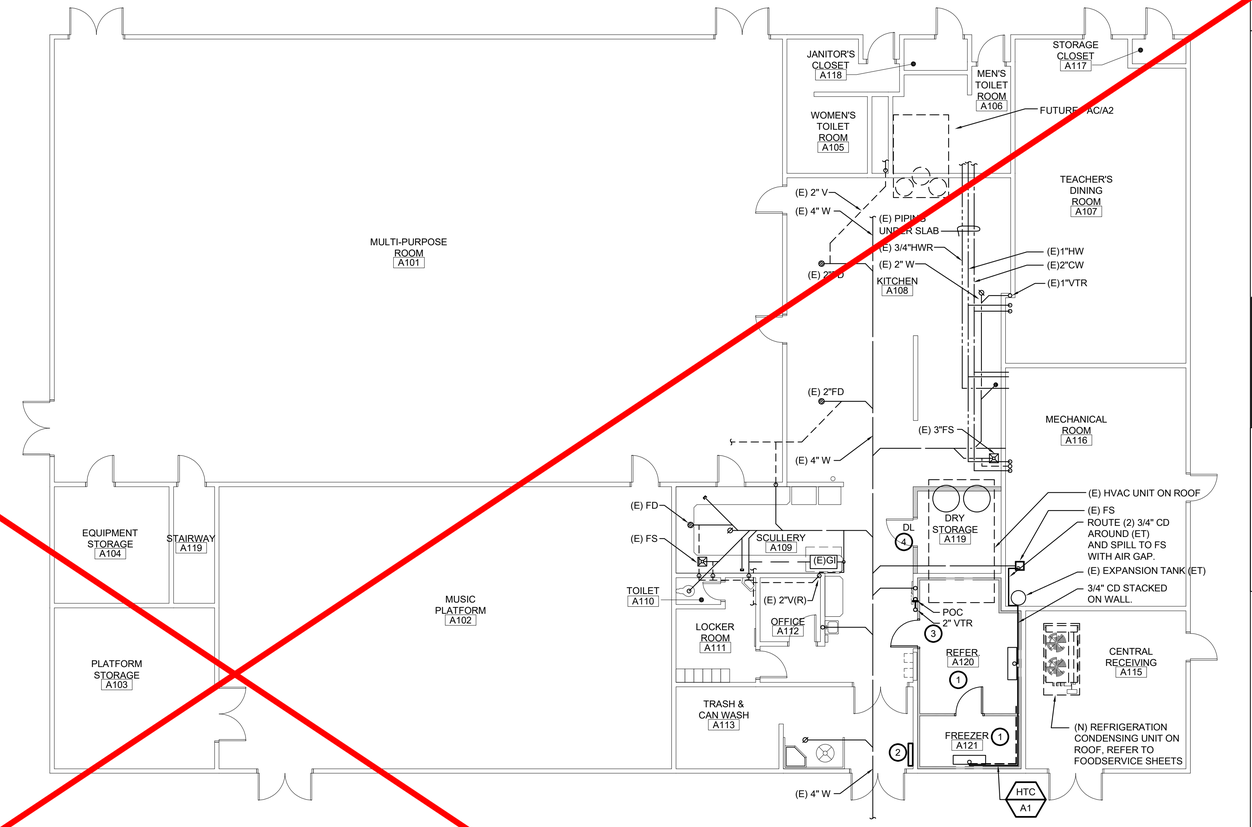


PLUMBING PARTIAL ROOF PLAN - BLDG. A

SCALE : 1/8" = 1'-0"

2 / P2.2.A

N



PLUMBING FLOOR PLAN - BLDG. A

SCALE : 1/8" = 1'-0"

1 / P2.2.A

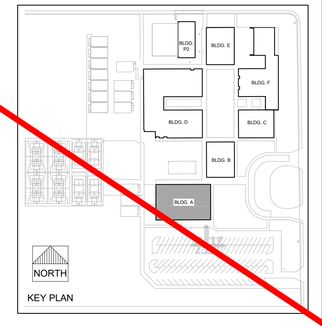
N

GENERAL NOTES:

1. FOR PIPE SUPPORT ON WALL/ CEILING DETAIL SEE 4/P8.1.2.
2. FOR PIPE ON ROOF MOUNTING DETAIL SEE 7/P8.1.2.

SHEET NOTES:

1. NEW 3/4" CONDENSATE (CD) AND HEAT TRACE SERVING THE FREEZER A121.
   NEW 3/4" CONDENSATE (CD) SERVING THE REFRIG. A120.
2. HEAT TRACE CONTROL PANEL.
3. OFFSET AND RISE IN WALL THE FULL SIZE VENT. OFFSET TO THE EXISTING VTR.
4. DOOR LOUVER (DL), MIN. 0.75 SQ. FT. FREE AREA (20X14). REFER TO ARCHITECTURAL PLANS FOR LOUVER DETAILS.



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BUILDING A

PLUMBING
FLOOR PLANS - BUILDING A

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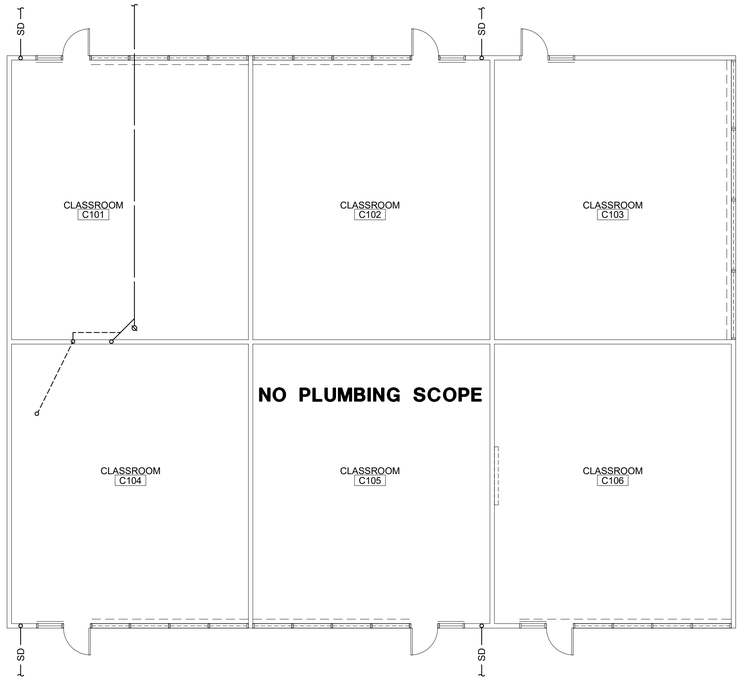

PLUMBING DEMO PLAN - BLDG. C

1 P2.1.C

SCALE : 1/8" = 1'-0"

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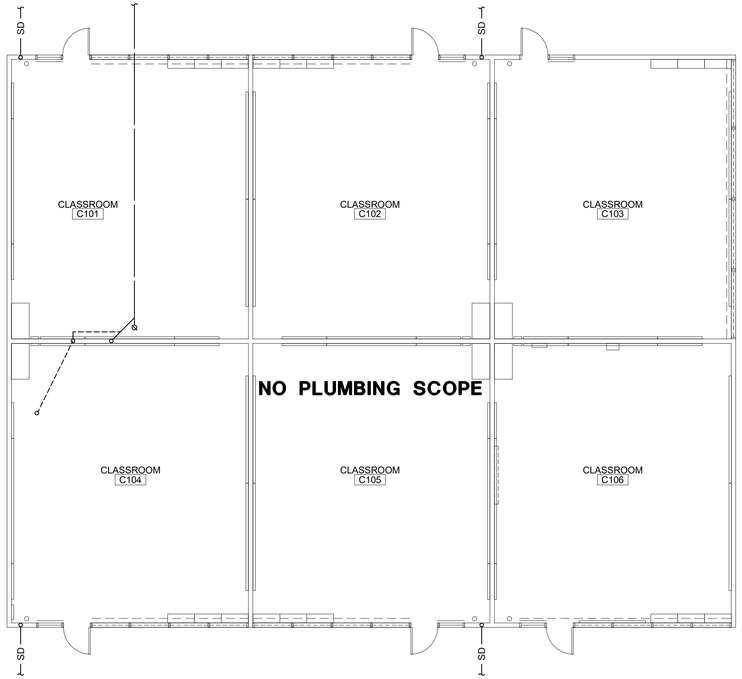
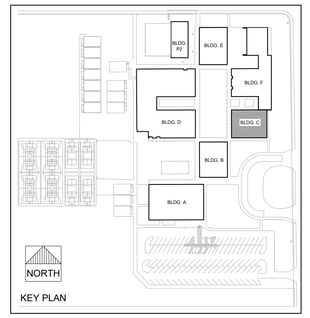


PLUMBING FLOOR PLAN - BLDG. C

2 P2.1.C

SCALE : 1/8" = 1'-0"

N



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PLUMBING DEMOLITION & FLOOR PLANS - BUILDING C

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P2.1.C

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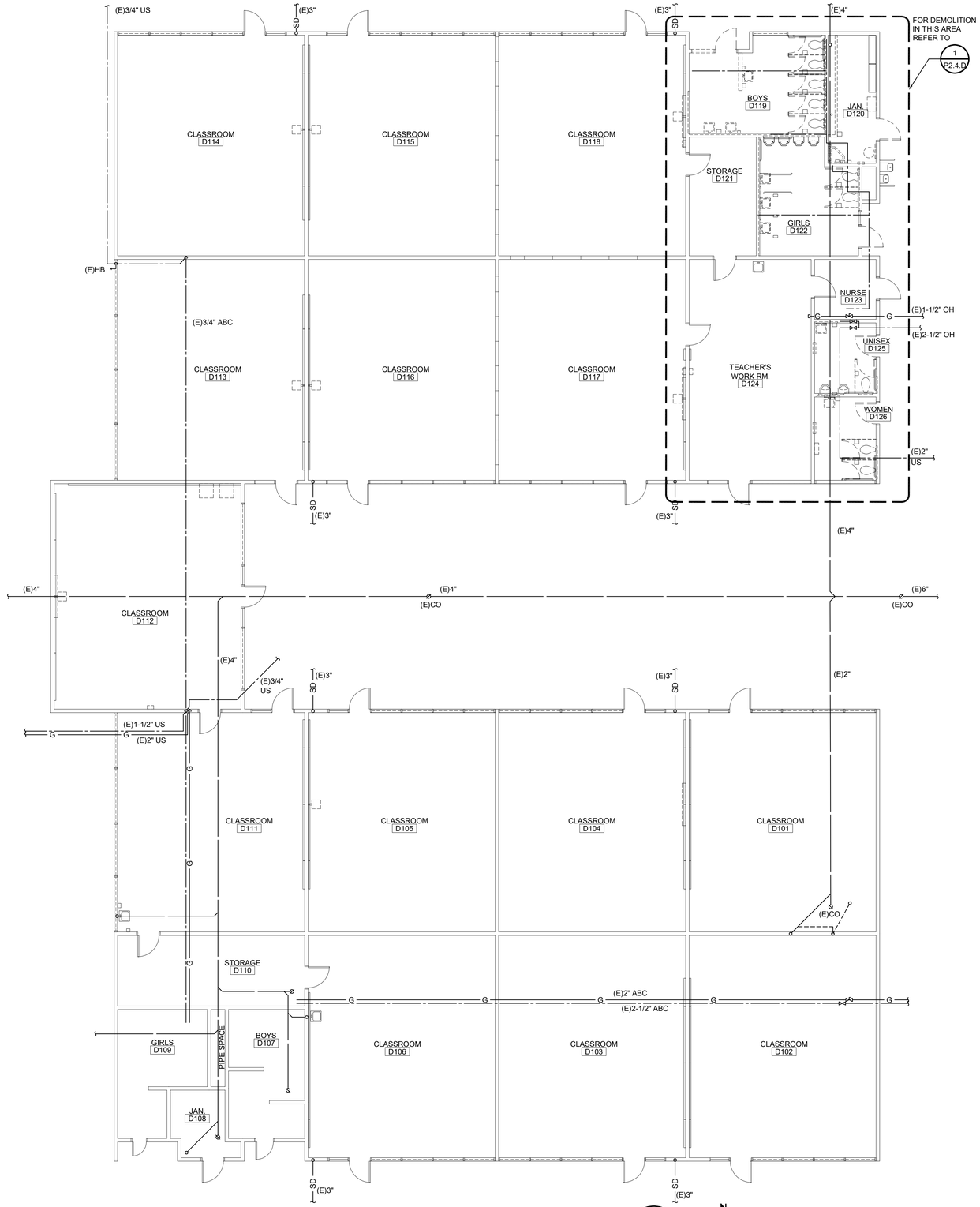
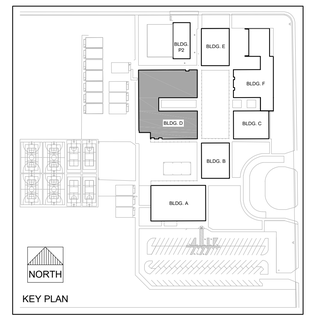


PLUMBING DEMO PLAN - BLDG. D

1
P2.1.D

SCALE : 1/8" = 1'-0"



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PLUMBING DEMOLITION
FLOOR PLAN - BUILDING D

CONSULTANT

REGISTERED ENGINEER
MECHANICAL
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P2.1.D

OF 116 SHEETS

capital engineering
RANCHO CORDOVA, CALIFORNIA
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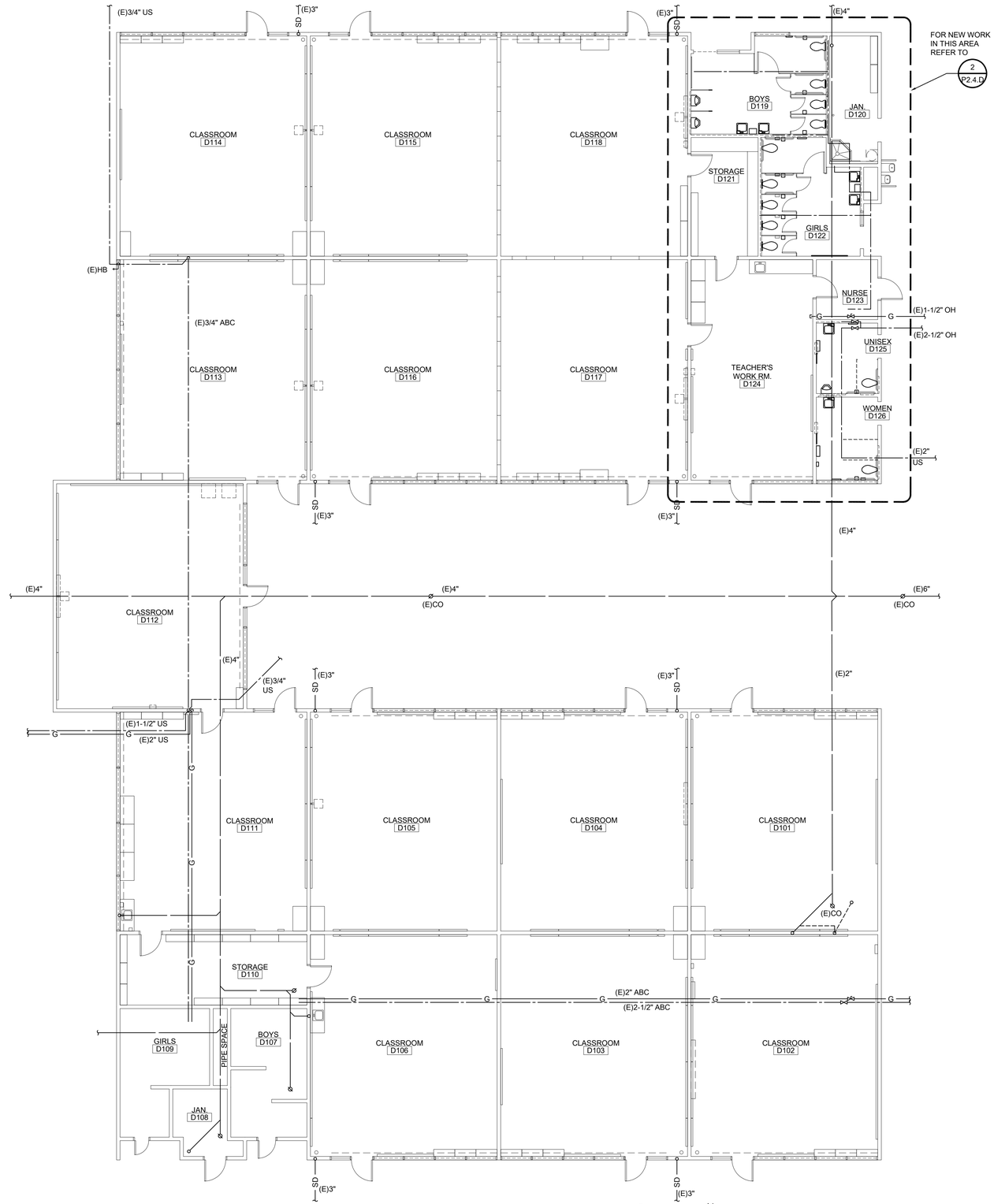

PLUMBING FLOOR PLAN - BLDG. D

1
P2.2.D

SCALE : 1/8" = 1'-0"

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PLUMBING
FLOOR PLAN - BUILDING D

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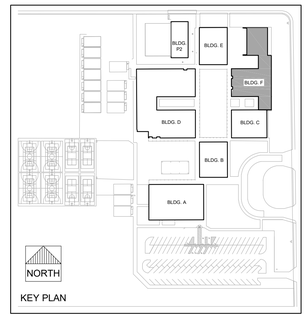

KEY PLAN

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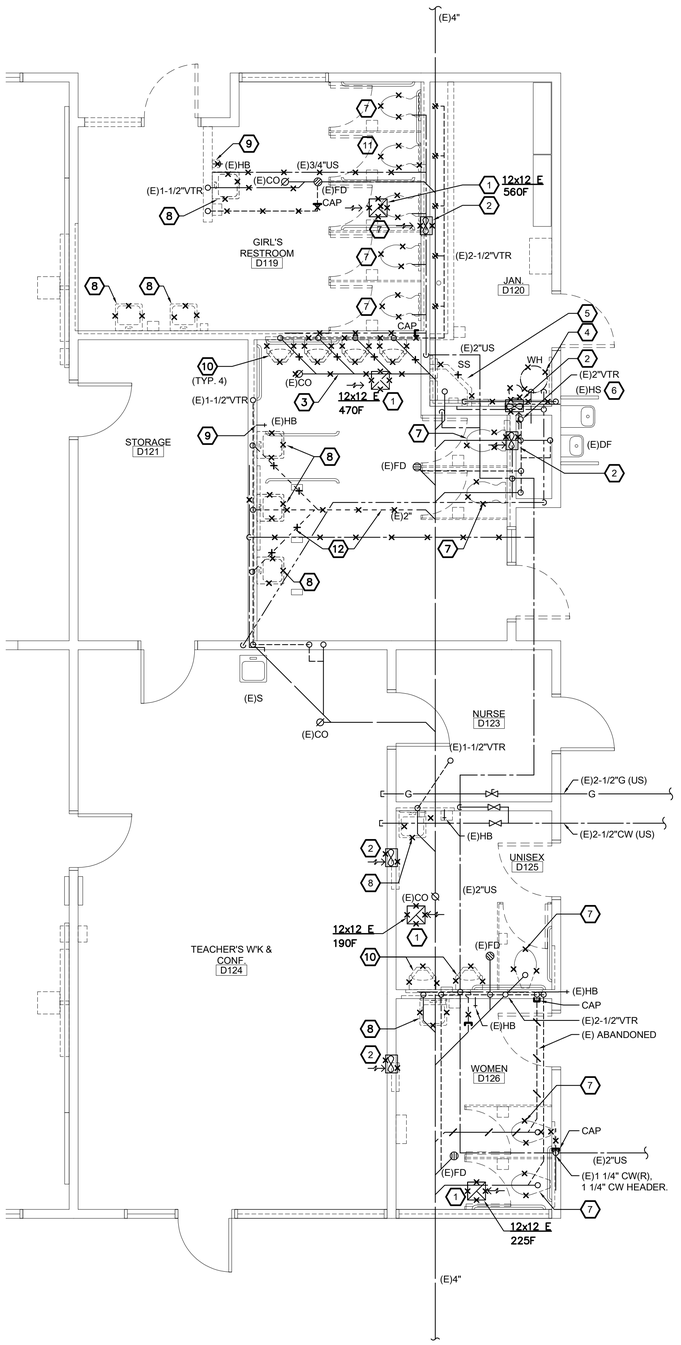


ENLARGED DEMO PLAN - BLDG. D

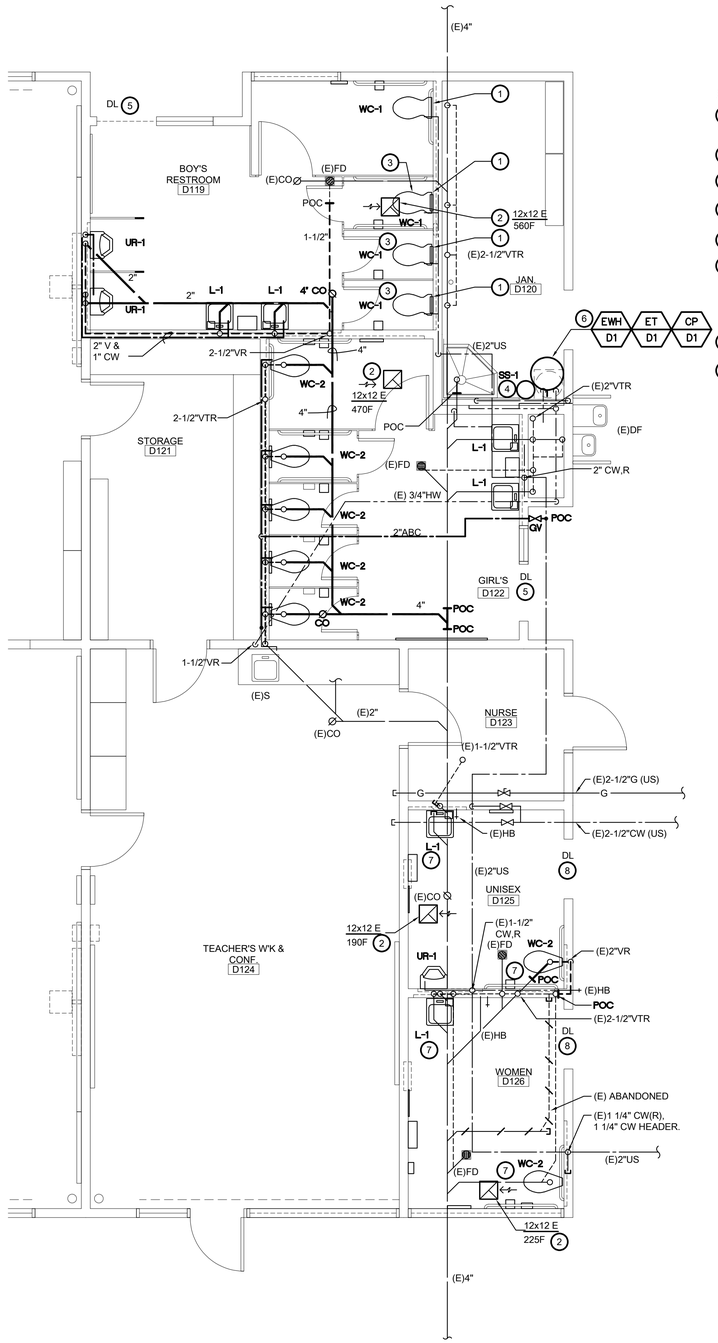
1 P2.4.D

SCALE : 1/4" = 1'-0"

N

DEMOLITION SHEET NOTES:

1. REMOVE GRILLE, PREPARE FOR NEW GRILLE. SEE 2/P2.4D.
2. REMOVE GRILLE, FAN AND DUCTWORK. DISCONNECT ELECTRICAL. SEE ELECTRICAL PLANS FOR DISCONNECT. PATCH OPENINGS TO MATCH SURROUNDING SURFACES.
3. REMOVE SANITARY SEWER PIPING FROM BELOW FLOOR. PLUG PIPING AT MAIN.
4. REMOVE WATER HEATER, EXPANSION TANK, CIRCULATION PUMP AND SUPPORTS. CUT PIPING TO BE LOCATED WITHIN NEW WALL. PREPARE FOR PIPING RECONNECTION FOR NEW WATER HEATER IN NEW LOCATION. REMOVE EXISTING PVC PIPING AND SUPPORTS SERVING EXISTING HYDRATION STATION (HS). PROVIDE NEW SOV IN VB ON WALL FOR THE HYDRATION STATION DOMESTIC WATER CONNECTION.
5. REMOVE MOP SINK (MS) AND PREPARE FOR INSTALLATION OF NEW MS IN NEW LOCATION.
6. EXISTING HS, REMOVE DRAIN PIPING AND PREPARE FOR NEW DRAIN PIPING INSIDE OF WALL SOFFIT. PROVIDE NEW SOV IN VALVE ACCESS PANEL FOR CW.
7. REMOVE WATER CLOSET, WALL CARRIER AND CONNECTED WASTE, VENT AND WATER PIPING BACK TO WALL CHASE. PREPARE PIPING FOR RECONNECTION TO NEW FIXTURE.
8. REMOVE LAVATORY, WALL CARRIER AND CONNECTED WASTE, VENT AND WATER PIPING BACK TO WALL. CAP PIPING IN WALL.
9. REMOVE HOSE BIBB AND WATER PIPING BACK TO WALL OR CEILING. CAP PIPING IN WALL OR ABOVE CEILING.
10. REMOVE URINALS AND CONNECTED WASTE, VENT AND WATER PIPING BACK TO WALL. CAP PIPING IN WALL.
11. REMOVE WATER CLOSET, WALL CARRIER AND CONNECTED WASTE, VENT AND WATER PIPING BACK TO WALL CHASE.
12. REMOVE VENT PIPING FROM BELOW FLOOR.



ENLARGED FLOOR PLAN - BLDG. D

2 P2.4.D

SCALE : 1/4" = 1'-0"

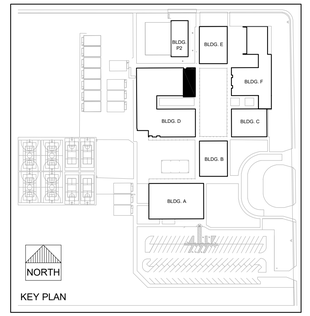
N

GENERAL NOTES:

1. PROVIDE WATER CLOSET (WC) WASTE FITTING OFFSET KIT AS REQUIRED FOR NEW WATER CLOSET LOCATION.
2. COORDINATE WITH ARCHITECTURAL PLANS FOR ALL FIXTURE HEIGHTS REQUIRED.
3. ALL PIPING SHALL BE BEHIND ARCHITECTURAL SURFACES.
4. EXTEND WASTE, VENT AND WATER (WITH INDIVIDUAL SOV TO EACH FIXTURE) TO NEW FIXTURE LOCATION AS REQUIRED.
5. FOR PIPE SUPPORT ON WALL/ CEILING DETAIL SEE 4/P8.1.2.
6. FOR PIPE THRU ROOF DETAIL SEE 6/P8.1.2.

SHEET NOTES:

1. NEW WATER CLOSET AND SUPPORT TO BE INSTALLED PER THE ARCHITECTURAL PLANS. CONNECT AND ADJUST PIPING TO NEW FIXTURE ROUGH-IN LOCATION.
2. NEW EXH. GRILLE.
3. NEW WATER CLOSET TO BE CONNECTED TO EXISTING PIPING ADJUSTED TO NEW ROUGH-IN LOCATION.
4. EXTEND WASTE, VENT AND WATER LINES TO NEW SS-1. ALL PIPING SHALL BE BEHIND ARCHITECTURAL SURFACES.
5. DOOR LOUVER (DL), MIN. 1.4 SQ. FT. FREE AREA. REFER TO ARCHITECTURAL PLANS FOR LOUVER DETAILS.
6. NEW WATER HEATER IN NEW RAISED LOCATION. ADJUST PIPING TO WATER HEATER AS REQUIRED TO ACCOMMODATE THE NEW RAISED LOCATION. ADJUST PIPING SYSTEMS SERVING THE WH AND THE SS-1 SO THAT ALL PIPING IS BEHIND ARCHITECTURAL SURFACES. INSTALL PER 6/P8.1.1, 3/P8.1.2.
7. EXTEND WASTE, VENT AND WATER TO NEW LOCATION AS REQUIRED.
8. DOOR LOUVER (DL), MIN. 0.6 SQ. FT. FREE AREA. REFER TO ARCHITECTURAL PLANS FOR LOUVER DETAILS.



KEY PLAN

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ENLARGED PLUMBING PLANS - BLDG. D

CONSULTANT

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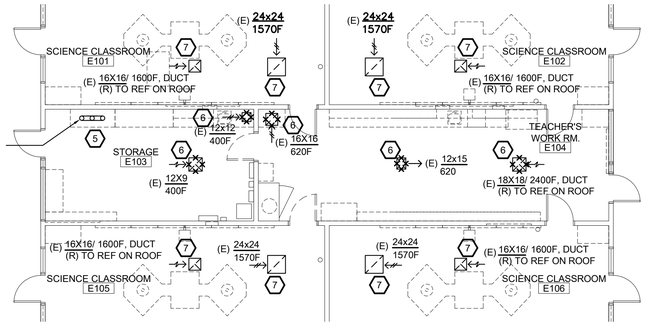

HVAC PARTIAL
DEMO GRILLE PLAN - BLDG. E

3 P2.1.E

SCALE : 1/8" = 1'-0"

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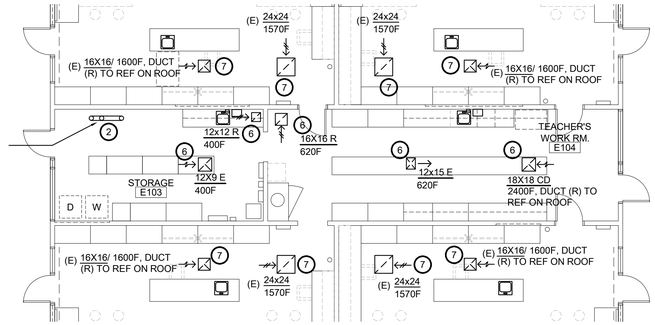

HVAC PARTIAL
GRILLE FLOOR PLAN - BLDG. E

4 P2.1.E

SCALE : 1/8" = 1'-0"

N

PLUMBING DEMO PLAN - BLDG. E

1 P2.1.E

SCALE : 1/8" = 1'-0"

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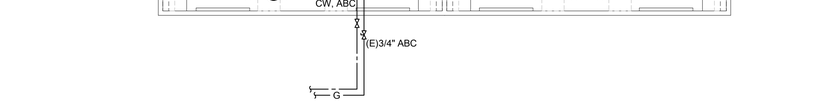


PLUMBING FLOOR PLAN - BLDG. E

2 P2.1.E

SCALE : 1/8" = 1'-0"

N

GENERAL SHEET NOTE

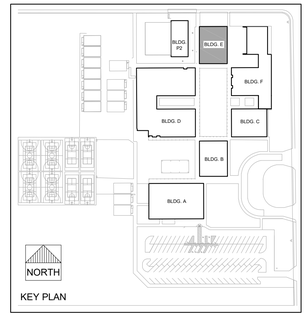
1. EXTEND GAS WITHIN TEACHERS STATION TO GAS TURRET COMPLETE WITH GSOV. COORDINATE LOCATIION OF GO WITH ARCHITECT. PROVIDE WITH GSOV BELOW COUNTER TOP WITHIN CABINETRY.
2. ALL PIPING SHALL BE BEHIND ARCHITECTURAL SURFACES.
3. REMOVE SANITARY SEWER PIPING BELOW FLOOR.
4. ROUTE VTR SO THAT THEY ARE A MINIMUM OF 10'-0" FROM ALL OUTSIDE AIR INTAKES ON THE ROOF.
5. FOR LOOP VENT DETAIL SEE 2/P8.1.1.
6. FOR PIPING BEHIND CABINET DETAIL SEE 3/P8.1.1.
7. FOR PIPE SUPPORT ON WALL/ CEILING DETAIL SEE 4/P8.1.2.
8. FOR PIPE THRU ROOF DETAIL SEE 6/P8.1.2.

SHEET NOTES:

1. 4" DIA. DRYER EXH. CONN. FOR DRYER. RISER TO ABOVE CEILING AND OFFSET ABOVE WINDOW TO EXH. OUTSIDE. PROVIDE "SEIHO" MODEL CFXC DRYER EXH. HOOD ON EXTERIOR WALL ABOVE WINDOW. COORDINATE EXACT LOCATION WITH ARCHITECT. 14'-0" TOTAL MAX DUCT LENGTH.
2. CONNECT DUCT TO CABINETRY. OFFSET AS REQUIRED FOR DUCT TO BE ALIGNED WITH THE CENTERLINE OF THE NEW CABINETRY. COORDINATE LOCATION WITH ARCHITECTURAL PLANS.
3. 1 1/2" VR, OFFSET AND CONNECT TO (E) VTR.
4. OFFSET WASTE, VENT, WATER AND GAS PIPING SERVICES WITHIN WALL TO NEW SINK LOCATION.
5. COORDINATE WITH THE ROOF MOUNTED EQUIPMENT LOCATION AND ROUTE THE VTR THRU THE ROOF TO MAINTAIN 10'-0" FOR ALL OUTSIDE AIR INTAKES.
6. NEW GRILLE, MATCH DOCUMENTED SIZE AND STYLE OR GRILLE.
7. NO NEW GRILLE WORK.

DEMOLITION SHEET NOTES:

1. EXISTING SINK TO BE REMOVED. CAP UNUSED PIPING ABOVE, BELOW OR BEHIND ARCHITECTURAL FINISHES.
2. CUT AND REMOVE PIPING TO BELOW FLOOR. PREPARE FOR NEW PIPE CONNECTION. SEE 2/P2.1E.
3. REMOVE SANITARY SEWER PIPING FROM BELOW FLOOR.
4. REMOVE WATER HEATER, EXPANSION TANK, AND CIRC. PUMP. PREPARE PIPING FOR RECONNECTION.
5. DISCONNECT CABINET FROM EXISTING EXHAUST DUCTWORK AND EXHAUST FAN. PREPARE FOR RECONNECTION WITH NEW CABINET SEE 2/P2.1.E.
6. REMOVE GRILLE, DOCUMENT SIZE AND STYLE. PREPARE FOR NEW GRILLE IN SAME LOCATION. SEE 4/P2.1E.
7. NO GRILLE DEMOLITION WORK.



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APP: 02-120292 INC: 01
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DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT STEPHEN C. HENRY C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

PLUMBING DEMOLITION & FLOOR PLANS - BUILDING E

CONSULTANT

EXPIRES 12/31/24 MECHANICAL STATE OF CALIFORNIA

DATE SIGNED: 2/07/2023

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SHEET NO.

P2.1.E

OF 116 SHEETS

capital engineering
Rancho Cordova, California
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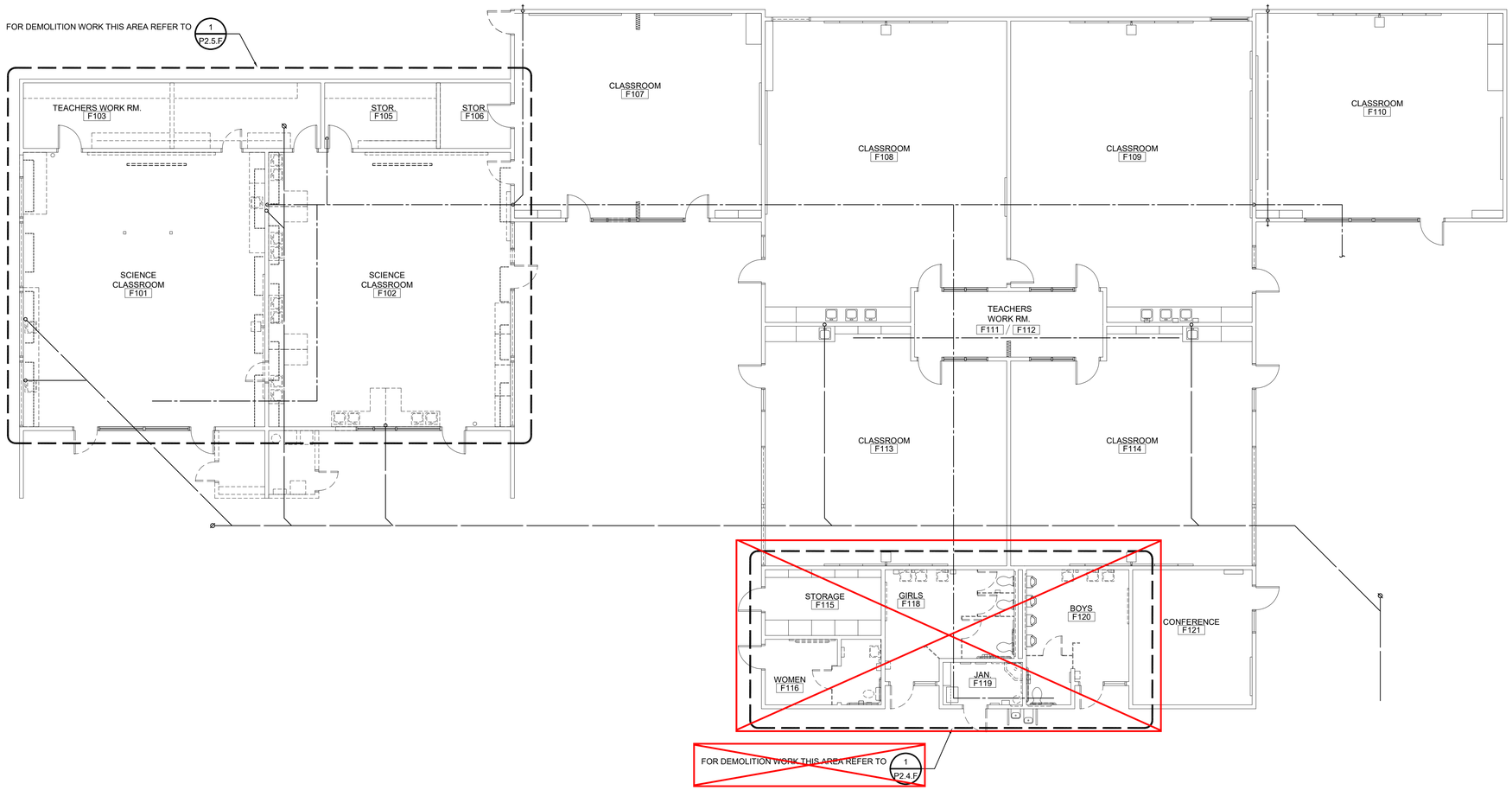
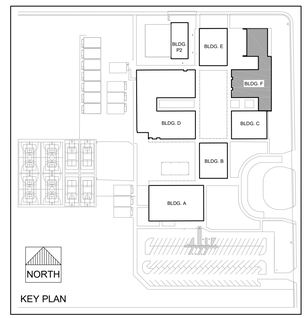


PLUMBING DEMO PLAN - BLDG. F

SCALE : 1/8" = 1'-0"

1 / P2.1.F

N



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PLUMBING DEMOLITION
FLOOR PLAN - BUILDING F

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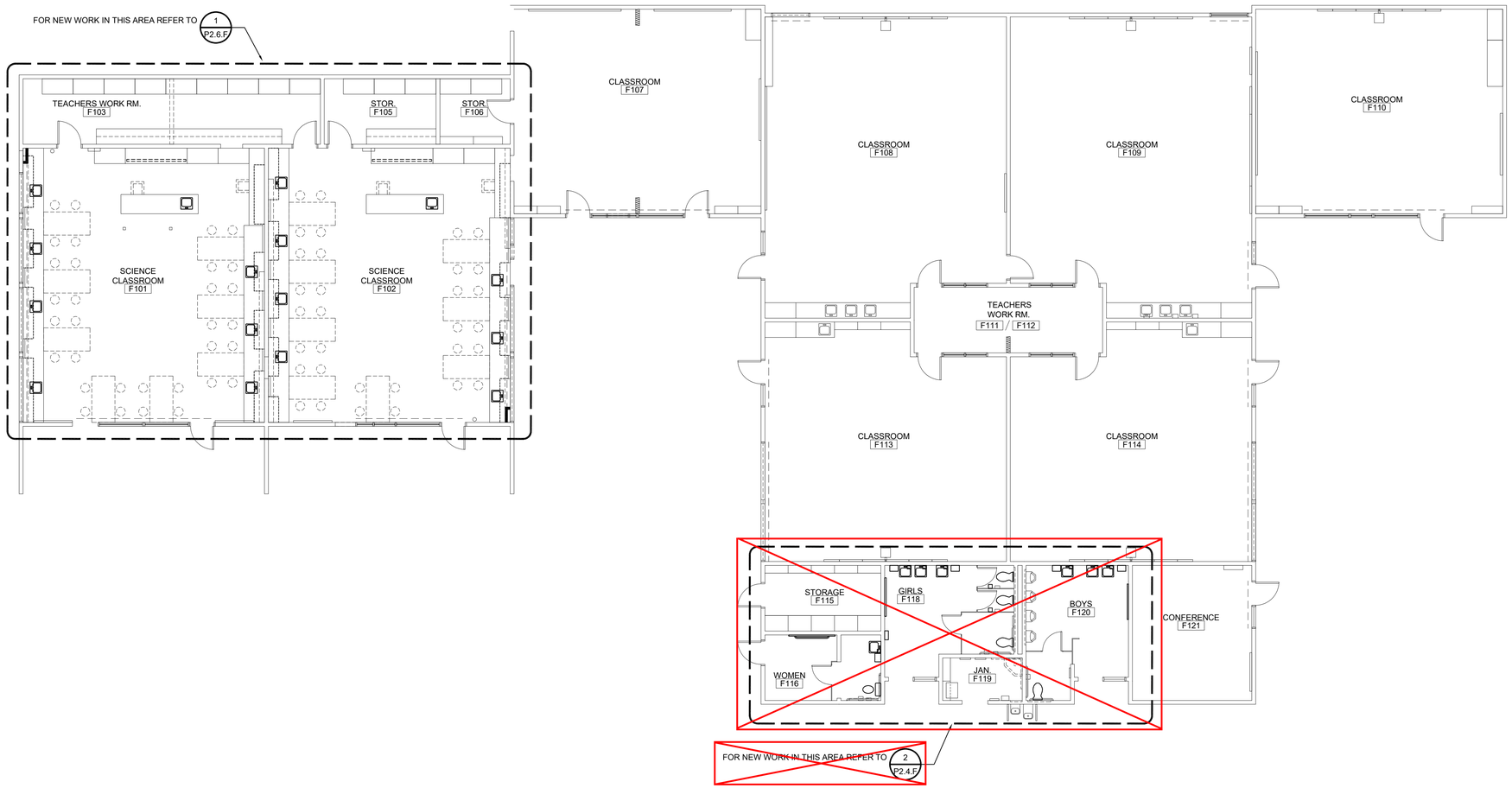
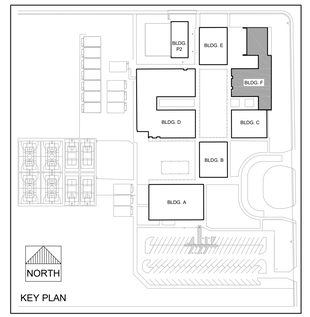


PLUMBING FLOOR PLAN - BLDG. F

SCALE : 1/8" = 1'-0"

1 P2.2.F

N



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PLUMBING
FLOOR PLAN - BUILDING F

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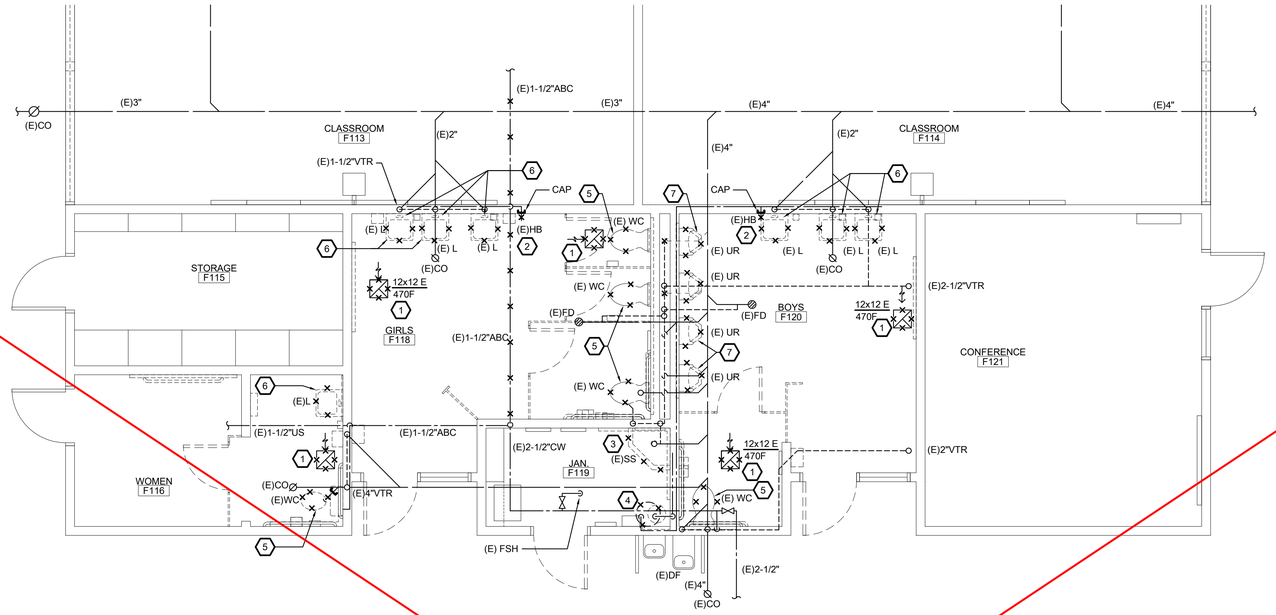
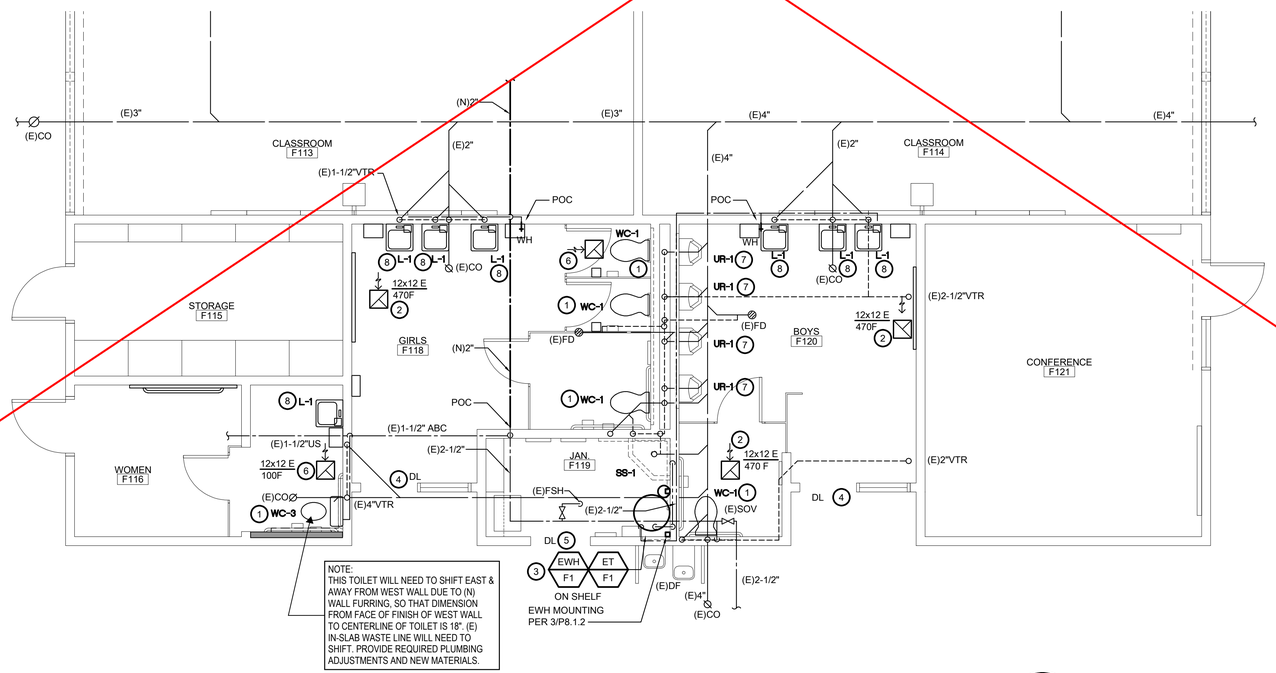


ENLARGED PLUMBING DEMO PLAN - BLDG. F

SCALE : 1/4" = 1'-0"

1 P2.4.F



NOTE:
THIS TOILET WILL NEED TO SHIFT EAST & AWAY FROM WEST WALL DUE TO (N) WALL FURRING, SO THAT DIMENSION FROM FACE OF FINISH OF WEST WALL TO CENTERLINE OF TOILET IS 18". (E) IN-SLAB WASTE LINE WILL NEED TO SHIFT. PROVIDE REQUIRED PLUMBING ADJUSTMENTS AND NEW MATERIALS.

ENLARGED PLUMBING PLAN - BLDG. F

SCALE : 1/4" = 1'-0"

2 P2.4.F

DEMOLITION SHEET NOTES:

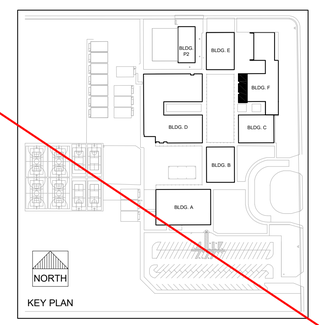
1. REMOVE GRILLE, DOCUMENT SIZE AND STYLE. PREPARE FOR NEW GRILLE. SEE 2/P2.4D.
2. DISCONNECT PIPING TO HB/ WALL BOX. REMOVE HB, WALL HYDRANT BOX AND PREPARE FOR NEW WALL BOX AND HB.
3. REMOVE SERVICE SINK (SS) AND PREPARE FOR INSTALLATION OF NEW MS.
4. REMOVE WATER HEATER AND EXPANSION TANK. PREPARE FOR EW EWH IN NEW LOCATION. CUT PIPING AND PREPARE FOR CONNECTION OF NEW PIPING AND EWH/F1 IN NEW ELEVATED LOCATION.
5. REMOVE WATER CLOSET AND CONNECTED WASTE, VENT AND WATER PIPING BACK TO WALL. CAP PIPING.
6. REMOVE LAVATORY, WALL CARRIER AND CONNECTED WASTE, VENT AND WATER PIPING BACK TO WALL. CAP PIPING IN WALL.
7. REMOVE URINAL AND CONNECTED WASTE, VENT AND WATER PIPING BACK TO WALL. CAP PIPING IN WALL.

GENERAL NOTES:

1. PROVIDE WATER CLOSET (WC) WASTE FITTING OFFSET KIT AS REQUIRED FOR NEW WATER CLOSET LOCATION.
2. ALL PIPING SHALL BE BEHIND ARCHITECTURAL SURFACES.
3. FOR PIPE SUPPORT ON WALL/ CEILING DETAIL SEE 4/P8.1.2.

SHEET NOTES:

1. NEW WATER CLOSET TO BE CONNECTED TO EXISTING PIPING ADJUSTED TO NEW ROUGH-IN LOCATION.
2. NEW EXH. GRILLE.
3. NEW EWH / F1 & ET/F1. COORDINATE EXACT LOCATION AND HEIGHT OF WATER HEATER AND EXPANSION TANK WITH FIELD CONDITIONS AND EXISTING PANELS AND SWITCHES ON WALL. ADJUST THE EXISTING PIPING SERVING THE WATER HEATER AS REQUIRED FOR THE NEW WATER HEATER AT THE ELEVATED HEIGHT.
4. DOOR LOUVER, MIN. 1.2 SQ. FT. FREE AREA. REFER TO ARCHITECTURAL PLANS FOR LOUVER DETAILS.
5. DOOR LOUVER, MIN. 0.5 SQ. FT. FREE AREA. REFER TO ARCHITECTURAL PLANS FOR LOUVER DETAILS.
6. NEW EXH. GRILLE. MATCH SIZE OF EXISTING GRILLE.
7. NEW URINAL TO BE CONNECTED TO EXISTING PIPING ADJUSTED TO NEW ROUGH-IN LOCATION.
8. NEW LAV (L) TO BE CONNECTED TO EXISTING PIPING ADJUSTED TO NEW ROUGH-IN LOCATION.



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LODI MIDDLE SCHOOL
(INCREMENT 1)

ENLARGED PLUMBING PLANS - BLDG. F

CONSULTANT

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STATE OF CALIFORNIA

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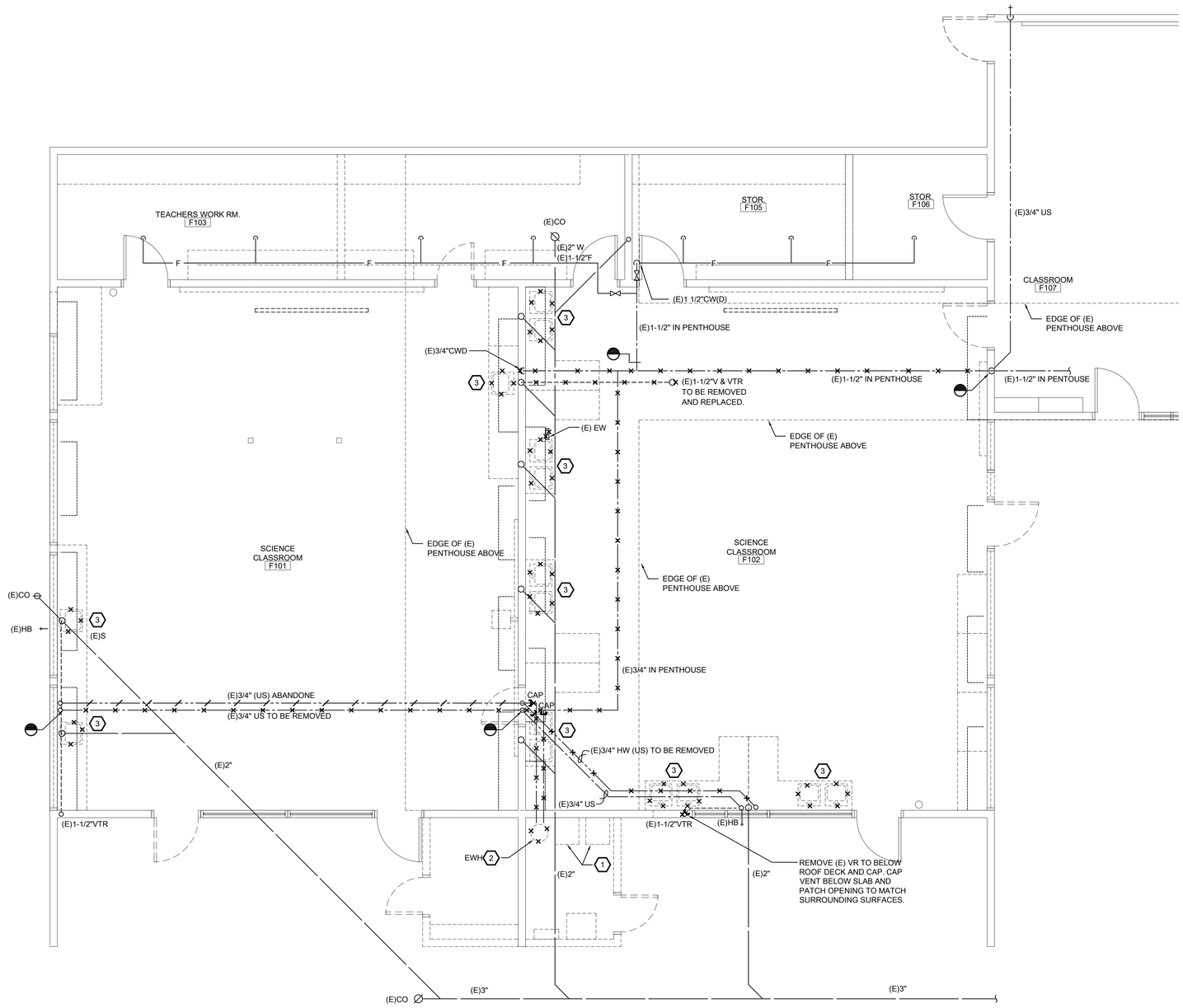
DEMOLITION SHEET NOTES:

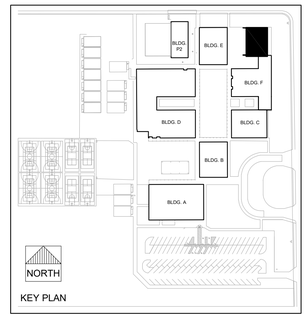
1. RELOCATE WASHER AND DRYER PER ARCHITECT. CAP AND REMOVE PIPING TO BEHIND ARCHITECTURAL SURFACES. PATCH ALL OPENINGS TO MATCH SURROUNDING SURFACES.
2. REMOVE WATER HEATER, CIRC. PUMP, AND EXPANSION TANK. CAP AND REMOVE PIPING O BEHIND ARCHITECTURAL SURFACES. PATCH ALL OPENINGS TO MATCH SURROUNDING SURFACES.
3. REMOVE SINK AND CONNECTED WASTE, VENT AND WATER PIPING BACK TO WALL. CAP PIPING.



ENLARGED PLUMBING DEMO PLAN - BLDG. F

1 / P2.5.F

SCALE : 1/4" = 1'-0"



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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT — STEPHEN C. MCMAHON — C-22525 — 12/31/23 RENEWAL DATE — STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

ENLARGED PLUMBING PLAN - BLDG. F

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER — MECHANICAL — STATE OF CALIFORNIA

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SHEET NO.

P2.5.F

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Rancho Cordova, California
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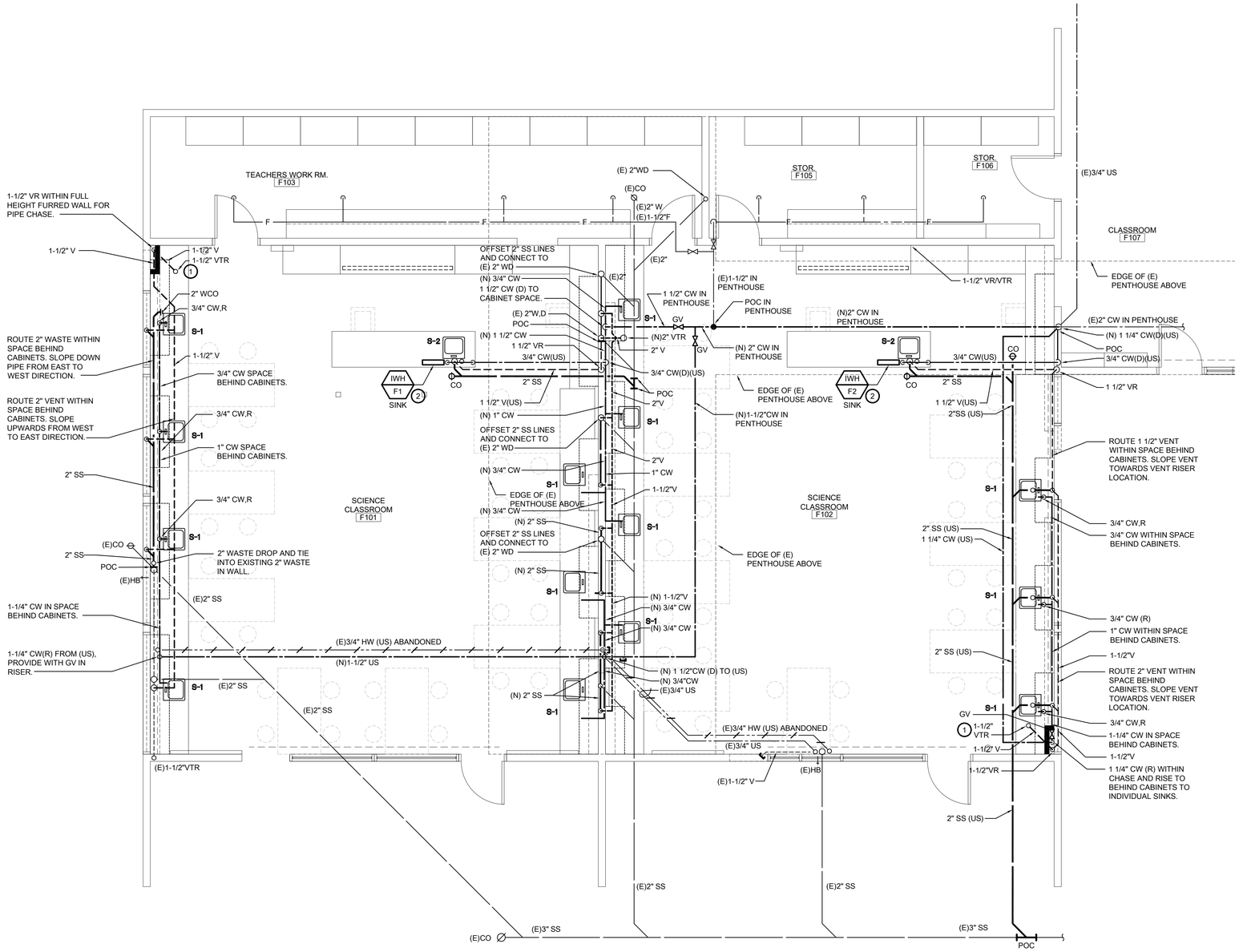


ENLARGED PLUMBING PLAN - BLDG. F

SCALE : 1/4" = 1'-0"

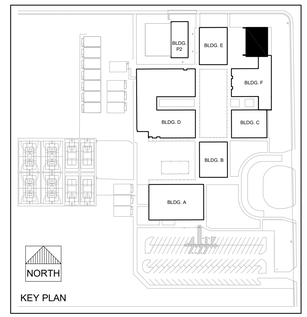
1 / P2.6.F

GENERAL SHEET NOTE

1. ALL PIPING SHALL BE BEHIND ARCHITECTURAL SURFACES.
2. FOR LOOP VENT DETAIL SEE 2/P8.1.1.
3. FOR PIPING BEHIND CABINET DETAIL SEE 3/P8.1.1.

SHEET NOTES:

1. COORDINATE FINAL LOCATION OF VTR WITH EXISTING EQUIPMENT ON ROOF. MAINTAIN A MINIMUM OF 10'-0" FROM ALL OUTSIDE AIR INTAKES. OFFSET VENT ABOVE CEILING.
2. PIPE UP THE INDIVIDUAL IWH/F1 AND IWH/F2 INDIVIDUALLY WITHIN THE CABINET SPACE.



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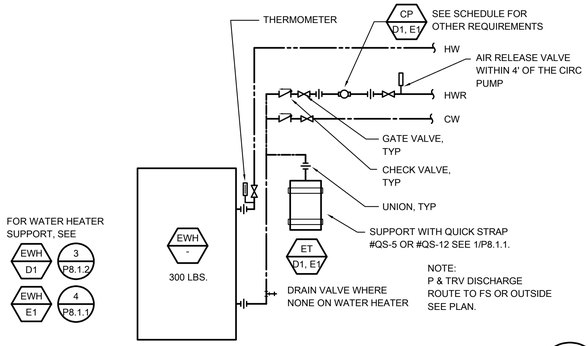
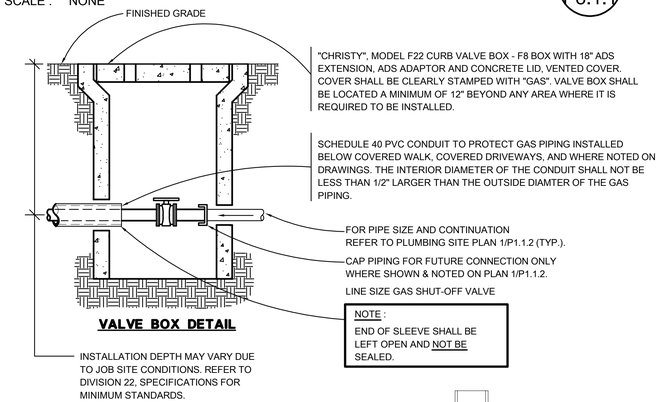


ELECTRIC WATER HEATER PIPING

6 P8.1.1

SCALE : NONE



GENERAL NOTE :

CONTRACTOR SHALL COORDINATE ALL GAS POINTS OF CONNECTION WITH PLUMBING SITE PLAN 1/P1.1.2 AND THE PROJECT ARCHITECT.

NOTES :

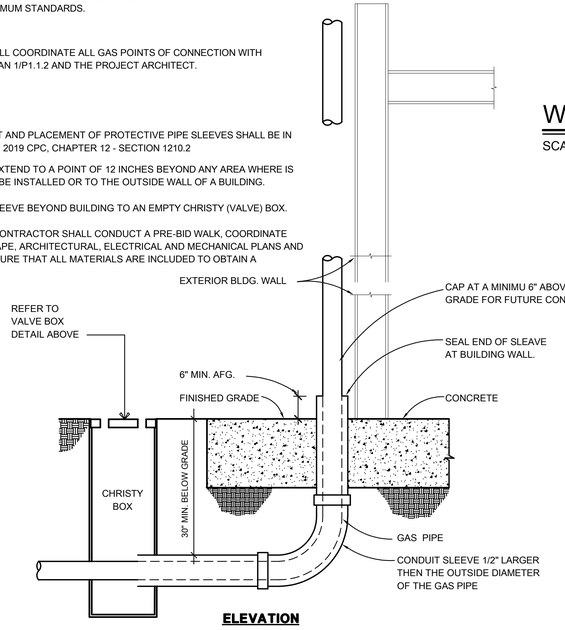
THE REQUIREMENT AND PLACEMENT OF PROTECTIVE PIPE SLEEVES SHALL BE IN COMPLIANCE WITH 2019 CPC, CHAPTER 12 - SECTION 1210.2

1. CONDUIT TO EXTEND TO A POINT OF 12 INCHES BEYOND ANY AREA WHERE IS REQUIRED TO BE INSTALLED OR TO THE OUTSIDE WALL OF A BUILDING.
2. TERMINATE SLEEVE BEYOND BUILDING TO AN EMPTY CHRISTY (VALVE) BOX.
3. IN ADDITION, CONTRACTOR SHALL CONDUCT A PRE-BID WALK, COORDINATE WITH LANDSCAPE, ARCHITECTURAL, ELECTRICAL AND MECHANICAL PLANS AND SPECS TO ENSURE THAT ALL MATERIALS ARE INCLUDED TO OBTAIN A PROPER BID.

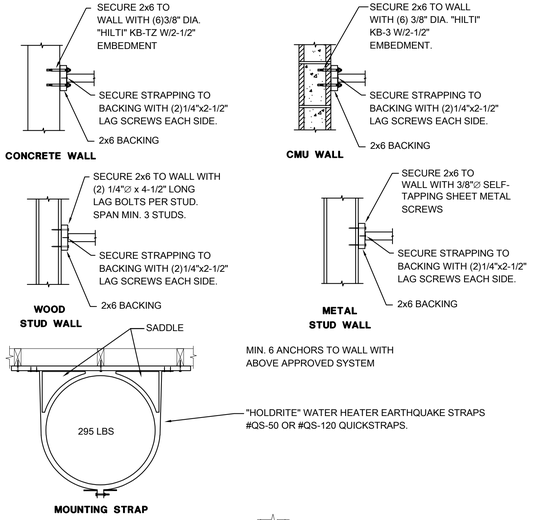
GAS PIPING IN SLEEVE

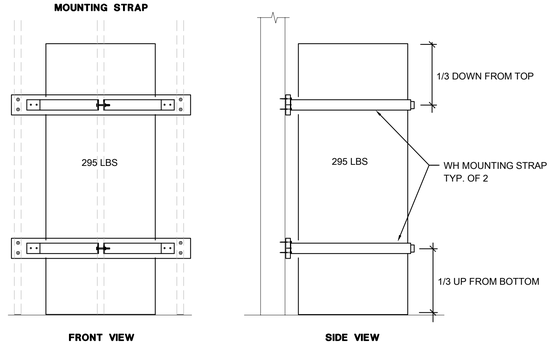
7 P8.1.1

SCALE : NONE



ELEVATION

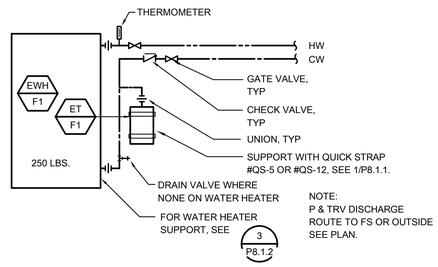




WATER HEATER SUPPORT

4 P8.1.1

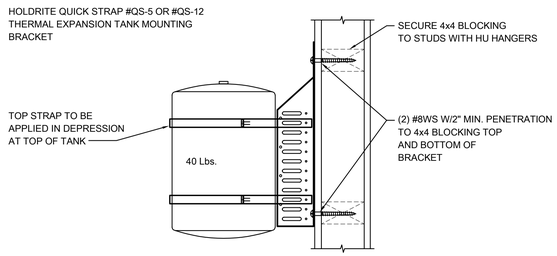
SCALE : NONE



ELECTRIC WATER HEATER PIPING

5 P8.1.1

SCALE : NONE

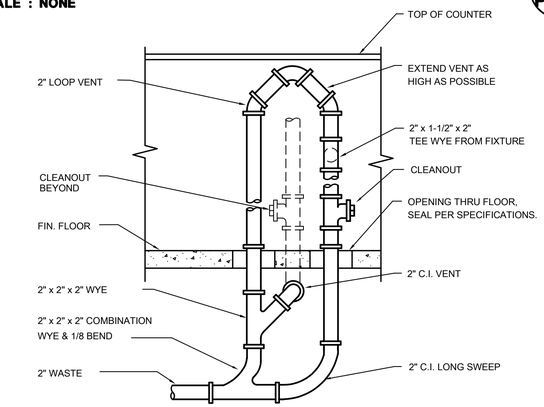


INSTALL PER MANUFACTURER'S INSTRUCTIONS

EXPANSION TANK MOUNTING

1 P8.1.1

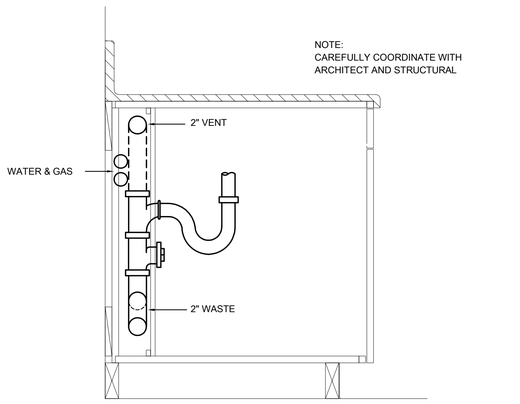
SCALE : NONE



ISLAND/ LOOP VENT

2 P8.1.1

SCALE : NONE



PIPING BEHIND CABINETS

3 P8.1.1

SCALE : 1" = 1'-0"

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211128.00 — PROJECT NO.

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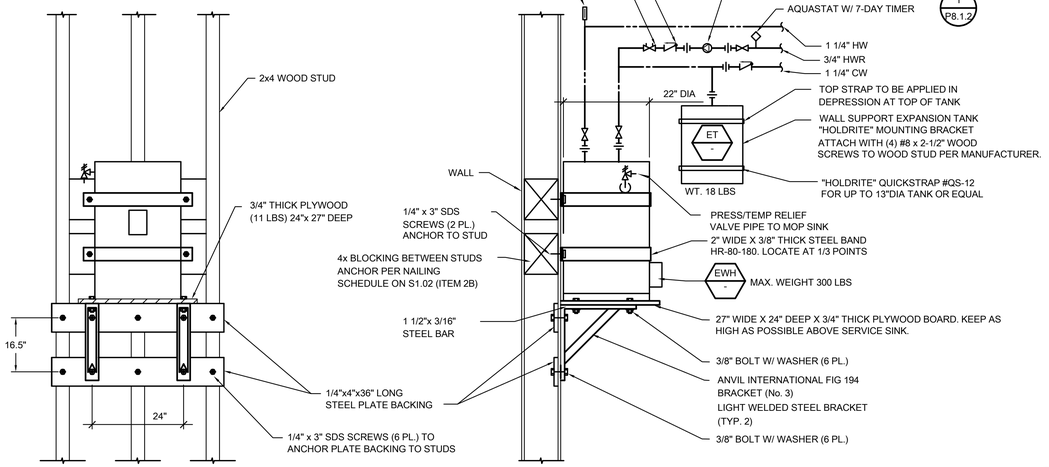
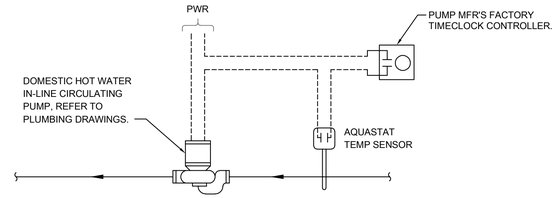


WALL SUPPORT WATER HEATER ANCHORAGE

3 P8.1.2

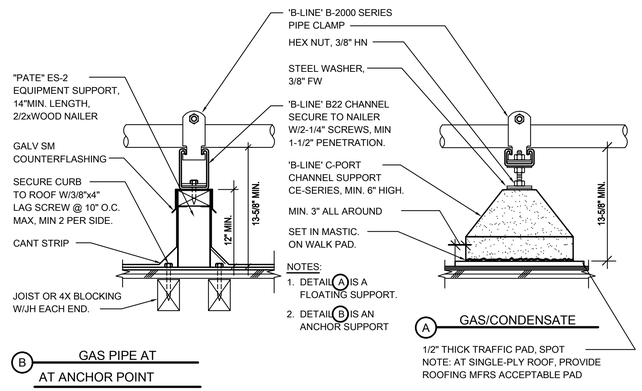
SCALE : NONE



DHW CIRC PUMP CONTROL DIAGRAM

1 P8.1.2

SCALE : NONE



2019 CPC
TABLE 1210.2.4.1
SUPPORT OF PIPING

NFPA 54:7.2.5.2
TABLE 7.2.5.2
SUPPORT OF PIPING

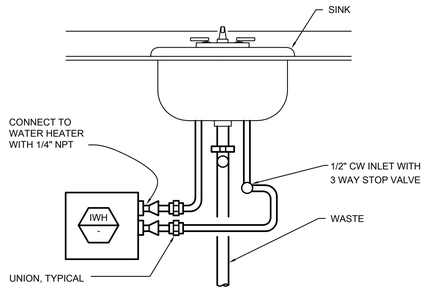
STEEL PIPE, NOMINAL SIZE OF PIPE (IN.)	SPACING OF SUPPORTS (FT.)	NOMINAL SIZE OF TUBING SMOOTH-WALL (IN. O.D.)	SPACING OF SUPPORTS (FT.)
1/2	6	1/2	4
3/4 OR 1	8	5/8 OR 3/4	6
1 1/4 OR LARGER (HORZ.)	10	7/8 OR 1 (HORZ.)	8
1 1/4 OR LARGER (VERT.)	EVERY FLOOR LEVEL	1 OR LAGER (VERT.)	EVERY FLOOR LEVEL

PIPE ON ROOF MOUNTING DETAIL

7 P8.1.2

SCALE : NONE

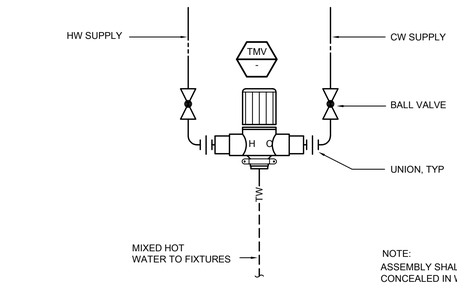
SUPPORT PER 2019 CPC 1210.2.4.1 & 1210.2.4.2 AND NFPA 54:7.2.5.2, 7.2.5.3, 7.2.5.4



INSTANTANEOUS WATER HEATER

5 P8.1.2

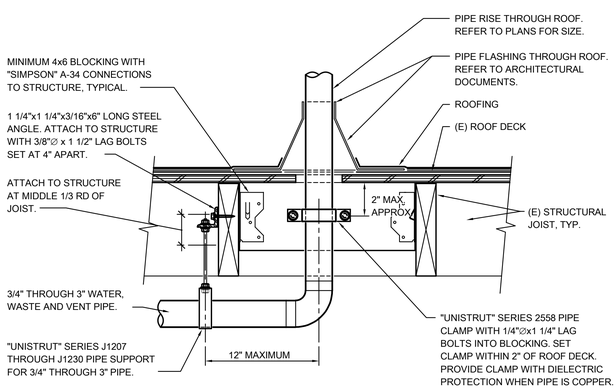
SCALE : NONE



POINT OF USE THERMOSTATIC MIXING VALVE

2 P8.1.2

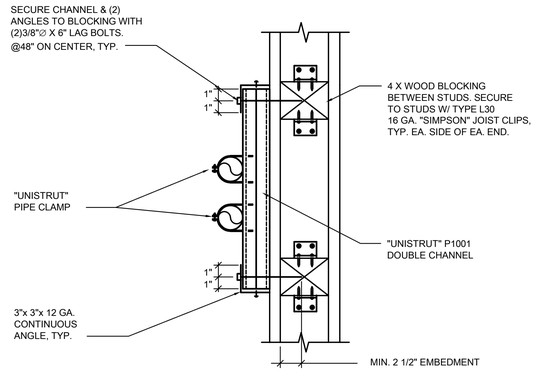
SCALE : NONE



PIPE SUPPORT AT ROOF PENETRATION

6 P8.1.2

SCALE : NONE



PIPING MOUNTED ON WALL & CEILING

4 P8.1.2

SCALE : NONE

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REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
C-22525
12/31/23 RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1)

PLUMBING DETAILS

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED: 2/07/2023

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN RL/DV		
CHECKED MCM/RC		
SCALE AS NOTED		
CADFILE		
UPDATED 2/07/23		

SHEET NO.

P8.1.2

OF 116 SHEETS

capital engineering
RANCHO CORDOVA, CALIFORNIA

MCM - RL/SL — PM - DESIGN TEAM
211128.00 — PROJECT NO.

Feb 06, 2023 - 3:44pm, / pivanov
UNAUTHORIZED CHANGES & USES: M. Neils Engineering, Inc. preparing these plans will not be responsible for, or liable for unauthorized changes to or uses to these plans. All changes to these plans must be in writing and must be approved by M. Neils Engineering, Inc.

ELECTRICAL SYMBOL LIST

- ENCLOSED LUMINAIRE - CEILING LAY-IN
- EXISTING LUMINAIRE TO BE REMOVED (R)
- ENCLOSED LUMINAIRE - SURFACE MOUNTED
- SWITCH, +45" AFF - "a,b" LETTER DENOTES MULTI-SWITCH FUNCTION, TYPICAL FOR ALL SWITCHES, MOTION SENSORS AND DAYLIGHT SENSORS UNLESS NOTED OTHERWISE. "K" DENOTES SINGLE POLE TOGGLE SWITCH.
- DIMMER SWITCH - SIZE AS NOTED ON PLAN
- OCCUPANCY SENSOR SWITCH WITH MANUAL OVERRIDE - WALL MOUNTED AT +45" AFF UNLESS NOTED OTHERWISE
- OCCUPANCY AREA SENSOR SWITCH - CEILING MOUNTED (OS) OS = OCCUPANCY SENSOR; PC = PHOTOCELL; DL = DAYLIGHT
- JUNCTION BOX - SIZE AS REQUIRED BY CODE
- DUPLEX CONVENIENCE OUTLET - NEMA 5-20R +18" A.F.F. TYPICAL FOR ALL CONVENIENCE OUTLETS, UNLESS NOTED OTHERWISE. LETTERS SHOWN ADJACENT TO OUTLET DESIGNATE THE FOLLOWING:
  "A" - HORIZONTAL ABOVE COUNTER IN SPLASH.
  "BC" - MOUNTED HIGH ON WALL JUST BELOW CEILING.
  "PRJ" - HIGH ON WALL NEXT TO PROJECTOR
- QUADPLEX CONVENIENCE OUTLET - NEMA 5-20R. +18" A.F.F. UNLESS NOTED OTHERWISE. LETTER "A" SHOWN ADJACENT TO OUTLET DESIGNATES MOUNTED ABOVE COUNTER.
- SPECIAL RECEPTACLE AS SHOWN ON PLANS, +18" A.F.F. UNLESS NOTED OTHERWISE.
- A — DATA OUTLET, +18" A.F.F. UNLESS NOTED OTHERWISE. LETTER "A" SHOWN ADJACENT TO OUTLET DESIGNATES MOUNTED ABOVE COUNTER, "BC" DESIGNATES OUTLET MOUNTED ON WALL JUST BELOW CEILING.
- CONDUIT RUN CONCEALED IN CEILINGS OR WALLS. NUMBER OF HASH MARKS DENOTES QUANTITY OF WIRES. CURVED HASH MARK DENOTES QUANTITY OF #12 GREEN GROUND WIRES. CONDUCTORS OTHER THAN #12 ARE INDICATED ON PLANS. NO HASH MARKS DENOTES 2 #12 AWG AND 1 #12 GREEN GROUND IN 1/2" CONDUIT. TYPICAL FOR ALL CONDUITS.
- FLEXIBLE CONDUIT CONCEALED. NUMBER OF HASH MARKS DENOTES QUANTITY OF WIRES. CURVED HASH MARK DENOTES QUANTITY OF #12 GREEN GROUND WIRES. CONDUCTORS OTHER THAN #12 ARE INDICATED ON PLANS. NO HASH MARKS DENOTES 2 #12 AWG AND 1 #12 GREEN GROUND IN 1/2" MINIMUM DIAMETER CONDUIT.
- CONDUIT RUN UNDERFLOOR OR UNDERGROUND MINIMUM 1" DIAMETER.
- CONDUIT HOMERUN TO PANELBOARD, SWITCHBOARD OR TERMINAL CABINET
- CONDUIT TURNED AND RISED UP
- CONDUIT TURNED AND DROPPED DOWN
- CONDUIT WITH CAP
- CONDUIT STUB WITH INSULATED BUSHING
- UNDERGROUND CONDUIT - MIN. SIZE 3/4".
- EXISTING CONDUIT AND WIRING
- EXISTING PANELBOARD - SURFACE MOUNTED
- EXISTING PANELBOARD - FLUSH MOUNTED
- TERMINAL CABINET
- SWITCHBOARD, DISTRIBUTION PANEL, OR MOTOR CONTROL CENTER
- EQUIPMENT DISCONNECT SWITCH - EXTERNALLY OPERATED, FUSED WITH FUSE SIZE INDICATED
- EQUIPMENT DISCONNECT SWITCH - EXTERNALLY OPERATED, NON-FUSIBLE
- EQUIPMENT CONTROLLER
- EQUIPMENT MOTOR POWER CONNECTIONS PART OF ELECTRICAL WORK
- EQ 1 — MECHANICAL EQUIPMENT DESIGNATION - SEE MECHANICAL PLANS
- 1 — DRAWING SHEET NUMBERED NOTE DESIGNATION - APPLIES TO NUMBERED NOTE ON SAME SHEET
- 1 / E-1 — DRAWING PLAN OR DETAIL DESIGNATION - "1" OR "A" DENOTES PLAN OR DETAIL NUMBER, "E-1" DENOTES SHEET NUMBER

SYMBOL LIST NOTES:

1. EXISTING ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE SHOWN THE SAME AS NEW, EXCEPT LIGHTLY AND ACCOMPANIED BY (E). SUCH ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE TO REMAIN AS IS, UNLESS OTHERWISE NOTED ON PLAN OR SPECIFICATION.
2. VERIFY ON SITE THAT ALL PANELBOARDS HAVE MINIMUM WORKING SPACES PER CODE AND THAT THE DEDICATED PANELBOARD SPACES ARE CLEAR OF ALL DUCTS, PIPING AND EQUIPMENT FOREIGN TO THE PANEL BOARDS. NOTIFY THE ENGINEER FOR CORRECTIVE ACTION IN THE EVENT THAT FOREIGN OBJECTS IMPEDE THE DEDICATED PANELBOARD AREAS.

ABBREVIATIONS

A	AMPERES	KW	KILO WATT
AC	ALTERNATING CURRENT	L.V.	LOW VOLTAGE
A.F.F.	ABOVE FINISHED FLOOR	MAX.	MAXIMUM
A.I.C.	AMPERE INTERRUPTING CAPACITY	MFR.	MANUFACTURER
AMP	AMPERE	MIN.	MINIMUM
AWG	AMERICAN WIRE GAUGE	MTD.	MOUNTED
BKR	BREAKER	N	NEUTRAL
C.	CONDUIT	(N)	NEW
C.B.	CIRCUIT BREAKER	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CKT	CIRCUIT	N.I.C.	NOT IN CONTRACT
CLG.	CEILING	PFB	PROVISIONS FOR FUTURE CIRCUIT BREAKER
C.O.	CONDUIT ONLY, WITH PULL WIRE	PH	PHASE
DC	DIRECT CURRENT	(R)	REMOVE
(E)	EXISTING	(RE)	RELOCATE EXISTING
(ER)	EXISTING RELOCATED	RCPT.	RECEPTACLE
EMT	ELECTRICAL METALLIC CONDUIT	S.M.S	SHEET METAL SCREW
(F)	FUTURE	SWBD	SWITCHBOARD
GA.	GAUGE	SYS	SYSTEM
GND	GROUND	TYP.	TYPICAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	UG	UNDERGROUND
HP	HORSEPOWER	UL	UNDERWRITERS LABORATORY
HVAC	HEATING, VENTILATING AND AIR CONDITIONING	V	VOLT
Isc	SHORT CIRCUIT AMPERES	VA	VOLT-AMPERES
ISO	ISOLATED	W	WIRE, WATT
K	THOUSAND	WP	WEATHER PROTECTED
KV	KILO VOLT	XFMR	TRANSFORMER
KVA	KILO VOLT AMPERE		

Applicable Code: 2019 CBC 02/05/2020 Revised: 02/14/2020

MEP Component Anchorage Note

All mechanical, plumbing, and electrical components shall be anchored and installed per the details on the DSA approved construction documents. The following components shall be anchored or braced to meet the force and displacement requirements prescribed in the 2019 CBC Sections 1617A.1.18 through 1617A.1.26 and ASCE 7-16 Chapters 13, 26 and 30.

1. All permanent equipment and components.
2. Temporary, movable, or mobile equipment that is permanently attached (e g hard wired) to the building utility services such as electricity, gas or water. "Permanently attached" shall include all electrical connections except plugs for 110/220 volt receptacles having flexible cable.
3. Temporary, movable, or mobile equipment which is heavier than 400 pounds or has a center of mass located 4 feet or more above the adjacent floor or roof level that directly support the component is required to be restrained in manner approved by DSA.

The following mechanical and electrical components shall be positively attached to the structure, but need not demonstrate design compliance with the references noted above. These components shall have flexible connections provided between the component and associated ductwork, piping, and conduit. Flexible connections must allow movement in both transverse and longitudinal directions.

A. Components weighing less than 400 pounds and have a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component.

B. Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall.

The anchorage of all mechanical, electrical and plumbing components shall be subject to the approval of the design professional in general responsible charge or structural engineer delegated responsibility and acceptance by DSA. The project inspector will verify that all components and equipment have been anchored in accordance with above requirements

Piping, Ductwork, and Electrical Distribution System Bracing Note

Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-16 Section 13.3 as defined in ASCE 7-16 Section 13.6.5, 13.6.6, 13.6.7, 13.6.8, and 2019 CBC, Sections 1617A.1.24, 1617A.1.25 and 1617A.1.26.

The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a preapproved installation guide (e.g., OSHPD OPM for 2013 CBC or later), copies of the bracing system installation guide or manual shall be available on the jobsite prior to the start of and during the hanging and bracing of the distribution systems. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.

Mechanical Piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems (E):

MP MD PP E - Option 1: Detailed on the approved drawings with project specific notes and details.

MP MD PP E - Option 2: Shall comply with the applicable OSHPD Pre-Approval (OPM#) #_____.

ELECTRICAL SHEET INDEX

No. OF SHEETS	DRAWING No.	DRAWING DESCRIPTIONS
1	E0.1	ELECTRICAL SHEET INDEX, SYMBOL LIST, ABBREVIATIONS AND NOTES
2	E1.1	SITE PLAN - ELECTRICAL
3	E1.2	SITE PLAN - EXTERIOR LIGHTING
4	E2.1.A	DEMO, FLOOR, AND RCP ELECTRICAL PLANS - BUILDING A
5	E2.1.C	FLOOR PLAN - ELECTRICAL - BUILDING C
6	E2.1.D	ELECTRICAL FLOOR PLAN - BUILDING D
7	E2.2.D	RCP ELECTRICAL PLAN - BUILDING D
8	E2.1.E	DEMO AND ELECTRICAL FLOOR PLAN - BUILDING E
9	E2.2.E	RCP ELECTRICAL PLAN - BUILDING E
10	E2.1.F	DEMOLITION ELECTRICAL PLAN - BUILDING F
11	E2.2.F	ELECTRICAL FLOOR PLAN - BUILDING F
12	E2.3.F	RCP ELECTRICAL PLAN - BUILDING F
13	E3.1	ONE-LINE DIAGRAM - POWER, SIGNAL - SITE AND PANEL SCHEDULES
14	E5.1	ELECTRICAL DETAILS
15	E6.1	TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS
16	E6.2	TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS
17	E6.3	TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS
18	E6.4	TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER CATALOG NO.	VOLTAGE DESCRIPTION	LIGHT SOURCE (LED, WATTS, LUMENS, COLOR TEMPERATURE, CRI, R9 IF AVAILABLE)	MOUNTING	REMARK NOTE No.
A	WILLIAMS PTS PTS-1-4-L45-9-35-RA-DIM-120	120V LED 2x4 SURFACE	LED, 31.7W, 3500K, 90CRI	SURFACE	1
B	WILLIAMS AVX AVX-4-L36-9-35-WPC	120V LED 1x4 SURFACE	LED, 26.9W, 3500K, 90CRI	SURFACE	1
C	WILLIAMS 39 39-4-L30-9-35-A	120V LED 1x4 SURFACE	LED, 22.8W, 3500K, 90CRI	SURFACE	1
D	~~PARAMOUNT~~ ~~CS~~ ~~PMCS-4-SF-UNV-35K-CRI90-02L-PZ-LD~~	~~120V~~ ~~LED 1X4 KITCHEN NSF~~	~~LED, 42.5W, 3500K, 90CRI~~	~~SURFACE~~	~~1~~
P	~~GARDCO~~ ~~PPT~~ ~~PPT-196L-650-NW-G2-T3-1-120-CS50~~	~~120V~~ ~~TOP POLE LED EXTERIOR~~	~~LED, 39W, 3012LM 4000K, 70CRI~~	~~POLE 12'~~	~~2~~

LUMINAIRE SCHEDULE REMARK NOTES:

1. PROVIDE WITH SELF TESTING, SELF DIAGNOSTIC BATTERY PACK TO MAINTAIN ILLUMINATION FOR A MINIMUM OF 90 MINUTES PER CBC 1011.5.3. REFER TO FLOOR PLAN FOR LOCATION.
2. PROVIDE WITH 12', 4"Ø, STRAIGHT ROUND POLE, COLOR TO MATCH FIXTURE

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PRJ MGR: Sinisha Glisic

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DATE: 02/23/2023

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT JESSE U. BASTIAN C-22529 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

ELECTRICAL SHEET INDEX, SYMBOL LIST, ABBREVIATIONS AND NOTES

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER JESSE U. BASTIAN No. E20229 Exp. 03-31-23 ELECTRICAL STATE OF CALIFORNIA

02/07/2023

PROJECT NO. 21-32-051	REVISIONS	BY
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CADFILE		
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. OF SHEETS

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Feb 08, 2023 - 10:21am, / sglisic

NOTE:
BUILDING P2 IS A PART OF INCREMENT 2 AND NOT A PART OF INCREMENT 1. INCREMENT 1 DOES HOWEVER INCLUDE UTILITY EXTENSION AND BUILDING PAD CONSTRUCTION IN PREPARATION FOR FUTURE INSTALLATION OF BUILDING P2.

1 / E1.1 SITE PLAN - ELECTRICAL

SCALE :1" = 40'-0"

NUMBERED NOTES

1. EXISTING 1600A, 480/277V, 3PH, 4W, MAIN SWITCH BOARD. STUB (N) 2"C.O. FOR INCREMENT 2 POWER INSIDE MAIN SWITCHBOARD.
2. ROUTE CONDUIT HIGH ON EXTERIOR WALL. PROVIDE NEMA 4X PULL BOXES ON WALL. PROVIDE FLEX CONDUIT AND TRANSITION TO LOWER ROOF. RUN CONDUIT ON LOWER ROOF, REFER TO 1/E5.1.
3. ROUTE CONDUITS ALONG ROOF. FIELD VERIFY EXACT ROUTING. PROVIDE NEMA 4X PULL BOXES AS REQUIRED. PROVIDE CONDUIT SUPPORTS. REFER TO 1/E5.1.
4. PENETRATE ROOF STRUCTURE AND ROUTE CONDUIT DOWN EXTERIOR WALL. PROVIDE NEMA 4X PULL BOX ON ROOF. REFER TO 1/E5.1 AND2/E5.1.
5. APPROXIMATE LOCATION OF (E) MAIN SIGNAL TERMINAL ROOM. ROUTE NEW COMMUNICATIONS CONDUITS FROM THIS ROOM TO FUTURE NEW BUILDING. FIELD VERIFY ALL REQUIREMENTS.
6. APPROXIMATE LOCATION OF (E) FIRE ALARM CONTROL PANEL "FACP" IN MAIN ADMIN OFFICE. ROUTE NEW 2" C. FOR FIRE ALARM FROM THIS ROOM TO FUTURE NEW BUILDING. FIELD VERIFY ALL REQUIREMENTS.
7. NEW L.V. CONDUITS. REFER TO SIGNAL RISER DIAGRAM - SITE FOR CONDUITS/CONDUCTORS. SEE 1/E5.1 FOR CONDUIT RUN ON ROOFS, AND 2/E5.1 FOR CONDUIT PENETRATION THROUGH ROOFS.
8. U.G. REFER TO ONE LINE DIAGRAM POWER FOR POWER CONDUIT, AND TO SIGNAL RISER DIAGRAM SITE FOR L.V. CONDUIT. TERMINATE CONDUITS IN N16 PULLBOXES.
9. APPROXIMATE LOCATION OF EXISTING ELECTRICAL SERVICE. REMOVE ELECTRICAL SERVICE AND ASSOCIATED PANEL AND RACEWAYS. COORDINATE WORK WITH LODI ELECTRIC. REFEED EXISTING IRRIGATION TIMER 120V CIRCUIT FROM BUILDING F PANEL. FIELD VERIFY ALL REQUIREMENTS.
10. PROVIDE MONITOR MODULE EDWARDS/EST SIGA-IO IN WP ENCLOSURE AND CONNECT TO MONITOR TAMPER SWITCH AT BACKFLOW PREVENTER. RUN WEST PENN AQ226 WIRE FROM MONITOR MODULE BACK TO FIRE ALARM CONTROL PANEL IN BUILDING B. SEE 2/E3.1.

GE Security

EST Fire & Life Safety
Intelligent Input/Output

Overview

SIGA-IO and MIO Input/Output Modules are intelligent analog addressable devices that form part of GE Security's Signature line of products. The actual operation of the SIGA-IO and MIO is determined by the "personality code" selected by the installer, which is downloaded to the module from the Signature loop controller during system configuration.

Depending on their assigned personality, Input/Output Modules provide the following modes of operation:
- Output with monitor input (two personalities)
- Input/programmable output (eight personalities)

Each module requires one module address.

Standard Features

- **10 modules in one**
  Multiple applications including normally-open or normally-closed alarm relay and latching or non-latching alarm inputs. The installer selects one of up to 10 personality codes to be downloaded from the loop controller.
- **Adjustable time delays**
  User sets the expected response time (5 - 120 seconds) for maximum flexibility.
- **Plug in (UIO) or standard 1-gang mount**
  UIO versions allow quick installation where multiple modules are required. The 1-gang mount version is ideal for remote locations that require a single module.
- **Automatic device mapping**
  Signature modules transmit information to the loop controller regarding their circuit locations with respect to other Signature devices on the wire loop.
- **Electronic addressing**
  Programmable addresses are downloaded from the loop controller, a PC, or the SIGA-PRO Signature Program/Service Tool. There are no switches or dials to set.
- **Intelligent device with microprocessor**
  All decisions are made at the module to allow lower communication speed with substantially improved control panel response time and less sensitivity to line noise and loop wiring properties; twisted or shielded wire is not required.

Input/Output Modules
SIGA-IO, SIGA-MIO

UL cULus MEA Patented

Data Sheet 85001-0533 Issue 3
Not to be used for installation purposes. Page 1 of 6

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

Page 1 of 1

LISTING No. 7300-1657:0210

CATEGORY: 7300 -- FIRE ALARM CONTROL UNIT ACCESSORIES/MISC. DEVICES

LISTEE: EDWARDS, A Division of UTC Fire & Security Americas Corporation, Inc.8985 Town Center Parkway, Bradenton, FL 34202
Contact: Jewell Conover (941) 739-4358 Fax (941) 308-8123
Email: rhonda.micochero@carrier.com

DESIGN: Models SIGA-IO, SIGA-MIO Input/Output Modules and SIGA-RMI and SIGA-MRMI Riser Monitor Modules. Models SIGA-IO, SIGA-MIO Input/Output Modules monitors contact type devices. SIGA-RMI and SIGA-MRMI Riser Monitor modules monitors 24Vdc circuits, 25V and 70V audio circuits, and telephone riser signals. Refer to listee's data sheet for additional detailed product description and operational considerations.

RATING: 24 VDC

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes and ordinances, and in a manner acceptable to the authority having jurisdiction.

MARKING: Listee's name, model number, electrical rating and UL label.

APPROVAL: Listed as control unit accessories for use with listee's separately listed EST-3 fire alarm control units.

NOTE: Formerly 7300-1591:210 and 7300-1388:241

7-29-10 ma

This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operation, requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other

Date Issued: July 01, 2022 *Listing Expires* June 30, 2023

Authorized By: *VICTOR WONG, Program Coordinator*
Fire Engineering Division

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PROJECT #: 21247.21
PRJ MGR: Sinisha Glisic

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HENRY+ ASSOCIATES ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER
JESSE U. BASTIAN
No. E20229
Exp. 03-31-25
ELECTRICAL
STATE OF CALIFORNIA
12/31/23
RENEWAL DATE

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

SITE PLAN - ELECTRICAL

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER
JESSE U. BASTIAN
No. E20229
Exp. 03-31-25
ELECTRICAL
STATE OF CALIFORNIA

02/07/2023

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN NH/KL		
CHECKED SKL		
SCALE AS NOTED		
CADFILE		
UPDATED 02/07/23		

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Feb 06, 2023 - 3:44pm, / pivonov
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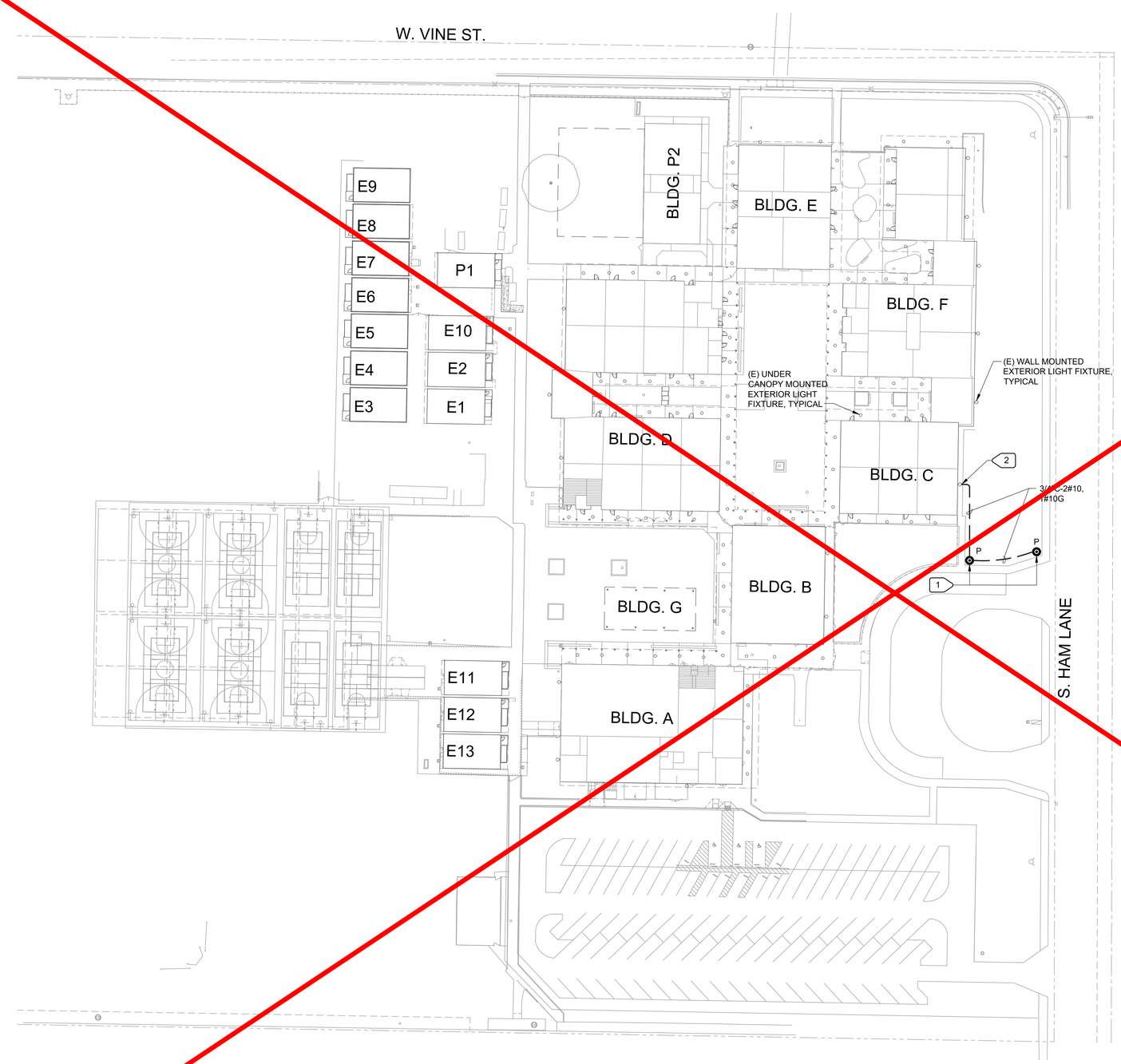

1 / E1.2 SITE PLAN - EXTERIOR LIGHTING

SCALE :1" = 40'-0"

NUMBERED NOTES

1. (N) POLE MOUNTED LIGHT. SEE 6/E5.1 FOR INSTALLATION.
2. CONNECT TO (E) WALL MOUNTED LIGHT; EXTEND (E) LIGHTING CIRCUIT TO (N) TOP POLE LIGHTS. RUN CONDUIT ON EXTERIOR ON BUILDING, PAINT TO MATCH SURFACE TO WHICH IT IS ATTACHED. COORDINATE WITH ARCHITECT BEFORE ROUGH IN.

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APP: 02-116292 INC: 01
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DATE: 02/23/2023

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Sacramento, CA 95825
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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT JESSE KAHLER C-22523 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

SITE PLAN - EXTERIOR LIGHTING

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER JESSE U. BASTIAN No. E20229 Exp. 03-31-23 ELECTRICAL STATE OF CALIFORNIA

02/07/2023

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SHEET NO.
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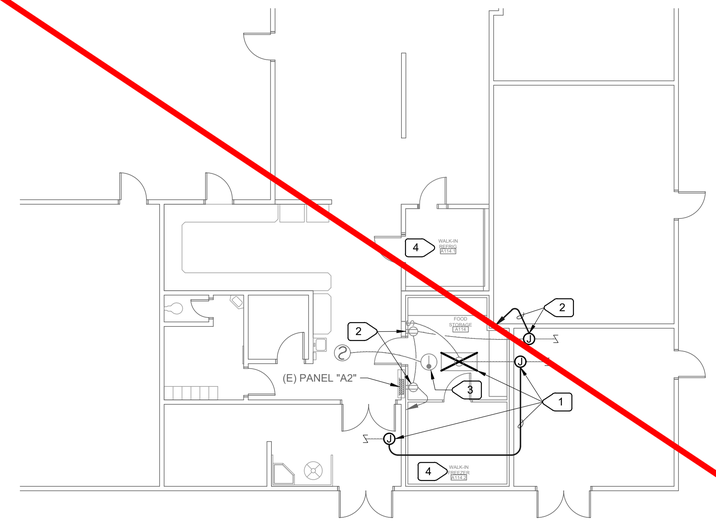
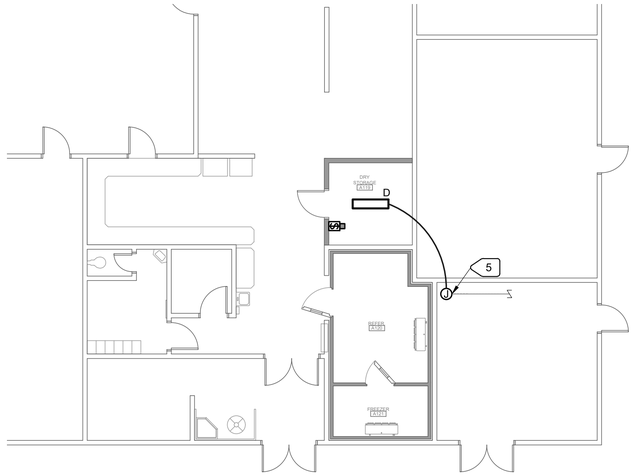
PROJECT #: 21247.21
PRJ MGR: Sinisha Glisic



1 E2.1.A

PARTIAL DEMO PLAN - ELECTRICAL - BUILDING A

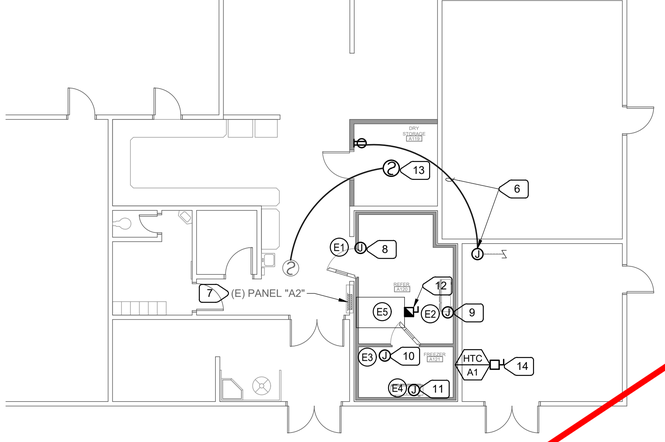
SCALE :1/8" = 1'-0"



2 E2.1.A

PARTIAL RCP - ELECTRICAL - BUILDING A

SCALE :1/8" = 1'-0"



3 E2.1.A

PARTIAL FLOOR PLAN - ELECTRICAL - BUILDING A

SCALE :1/8" = 1'-0"

FIRE ALARM NOTES

1. NO FIRE ALARM CHANGES IN THIS BUILDING EXCEPT AS NOTED ON THIS DRAWINGS; REST OF FIRE ALARM DEVICES TO REMAIN IN PLACE.
2. PROTECT FIRE ALARM WIRING, EXCEPT WHERE NOTED, AND DEVICES DURING CONSTRUCTION.
3. TEST FIRE ALARM SYSTEM AFTER CONSTRUCTION IS DONE IN ACCORDANCE WITH NFPA 72, CHAPTER 14.

NEW WALK-IN UNIT GENERAL NOTES:

1. REFER TO FOOD SERVICE EQUIPMENT PLAN - SHEET FS3.1 FOR ADDITIONAL WORK.
2. ELECTRICAL CONTRACTOR SHALL INSTALL AND INTER WIRE LIGHT SWITCHES AND FIXTURE REQUIRED FOR FOOD SERVICE EQUIPMENT AND MAKE FINAL CONNECTIONS.
3. ELECTRICAL CONTRACTOR SHALL INTER WIRE TIME CLOCK ON THE CONDENSING UNIT TO DEFROST RELAY ON UNIT EVAPORATOR LOCATED IN THE FREEZER COMPARTMENT.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT/CONDUCTORS NECESSARY FOR COMPLETE AND OPERABLE SYSTEM WITH ALL CONDUIT IN SO FAR AS POSSIBLE MOUNTED ON EXTERIOR CEILING TO WALK-IN ASSEMBLY. PENETRATIONS AND ESCUTCHEON PLATES SHALL BE FURNISHED AND INSTALLED BY FOOD SERVICE CONTRACTOR. FOOD SERVICE CONTRACTOR IS RESPONSIBLE FOR SEALING INSIDE OF CONDUITS WHICH PENETRATE CEILING OR WALL.

NUMBERED NOTES

1. REMOVE EXISTING LIGHT FIXTURE, ASSOCIATED SWITCH AND EXPOSED CONDUITS. INTERCEPT (E) LIGHTING CIRCUIT AND PROVIDE (N) CONDUIT/WIRING TO PROVIDE (E) CIRCUIT CONTINUITY.
2. REMOVE (E) RECEPTACLES. INTERCEPT (E) POWER CIRCUIT AND CONNECT REMAINDER OF THE CIRCUIT TO (E) PANEL "A2".
3. REMOVE (E) FIRE ALARM DETECTOR, PROTECT FA CIRCUIT TO RECONNECT AS SHOWN ELSEWHERE.
4. DISCONNECT (E) WALK IN FREEZER AND REFRIGERATOR. REMOVE WIRING BACK TO SOURCE, REMOVE EXPOSED CONDUITS, CONTROLS. DISCONNECT CONDENSING UNITS FOR FREEZER AND REFRIGERATOR ON ROOF. REMOVE WIRING BACK TO SOURCE. REMOVE EXPOSED CONDUITS.
5. CONNECT (N) FIXTURE INTO (E) NON-SWITCHED LIGHTING CIRCUIT.
6. CONNECT (N) RECEPTACLE INTO (E) POWER CIRCUIT.
7. PROVIDE (4) (N) 20/1 CIRCUIT BREAKERS, (1) (N) 20/2 CIRCUIT BREAKER, AND (1) (N) 35/3 CIRCUIT BREAKER IN (E) SPACES. ONE 20/1 CIRCUIT BREAKER SHALL BE GFCI TYPE. UPDATE PANEL DIRECTORY.
8. CONNECT (N) WALK IN REFRIGERATOR BOX TO (N) 20/1 CIRCUIT BREAKER USING 1/2"C-2#12, 1#12G.
9. CONNECT (N) WALK IN REFRIGERATOR COIL TO (N) 20/1 CIRCUIT BREAKER USING 1/2"C-2#12, 1#12G.
10. CONNECT (N) WALK IN FREEZER BOX TO (N) 20/1 CIRCUIT BREAKER USING 1/2"C-2#12, 1#12G.
11. CONNECT (N) WALK IN FREEZER COIL TO (N) 20/2 CIRCUIT BREAKER USING 1/2"C-2#12, 1#12G.
12. REMOTE REFRIGERATION ON THE ROOF. CONNECT TO (N) 35/3 CIRCUIT BREAKER USING 1"C-3#8, 1#10G.
13. (N) SMOKE DETECTOR - EDWARDS SIGA-PD ((E) FIRE ALARM CONTROL PANEL - EDWARDS EST-3). CONNECT AS SHOWN ON THIS DRAWING.
14. HEAT TRACE, SEE PLUMBING DRAWINGS AND COORDINATE WITH PLUMBING CONTRACTOR. CONNECT TO (N) 20/1 GFCI CIRCUIT BREAKER.

EDWARDS

LIFE SAFETY & INCIDENT MANAGEMENT

EDWARDS® Catalog ▶ Intelligent Addressable Devices

Intelligent Smoke Detector

SIGA-PD

Overview

The Signature Series SIGA-PD optical smoke detector brings advanced sensing technology to a practical design that increases efficiency, saves installation time, cuts costs, and extends life safety and property protection capabilities. Continuous self-diagnostics ensure reliability over the long-haul, while environmental compensation helps reduce maintenance costs.

Like all Signature Series detectors, the SIGA-PD is an intelligent device that gathers analog information from its optical sensor, converting this data into digital signals. To make an alarm decision, the detector's on-board microprocessor measures and analyzes sensor readings and compares this information to historical data. Digital filters remove signal patterns that are not typical of fires, thus virtually eliminating unwanted alarms.

Standard Features

Note: *Some features described here may not be supported by all control systems. Check your control panel's Installation and Operation Guide for details.*

- Next Generation Optical Smoke Sensing Technology
- Wide 0.53 to 3.94 %/ft. (1.7 to 12.35 %/m) smoke obscuration
- Uses Existing Wiring
- Automatic Device Mapping
- Up To 250 Total Signature Addresses Per Loop
- Two Levels of Environmental Compensation
- Two Levels of Dirty Detector Warning
- Twenty Pre-Alarm Settings
- Five Sensitivity Settings
- Non-Volatile Memory
- Electronic Addressing
- Identification of Dirty or Defective Detectors
- Automatic Day/Night Sensitivity Adjustment
- Bicolor (Green/Red) Status Led
- Standard, Relay, Fault Isolator, and Audible Mounting Bases
- Sensor Markings Provide Easy Testing Identification

DATA SHEET E85001-0646
Not to be used for installation purposes. Issue 1.2

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

LISTING No. 7272-[illegible]0331

CATEGORY: 7272 – SMOKE DETECTOR-SYSTEM TYPE-PHOTOELECTRIC

LISTEE: EDWARDS, A Division of UTC Fire & Security Americas Corporation, Inc.8985 Town Center Parkway, Bradenton, FL 34...
Contact: Jewell Conover (941) 7[illegible]358 Fax (941) 308-8123
Email: rhonda.micocheo@carrier.com

DESIGN: Models SIGA-PD, *SIGI-PD, *KI-PD and *KIR-PD Analog addressable photoelectric smoke detectors *Model SIGI-PD is similar to Model SIGA-PD except for isolation circuitry. *Model KI-PD is identical to Model SIGA-PD except for trade name. *Model KIR-PD is similar to Model SIGA-PD except for control panel compatibility. Refer to listee's data sheet for detailed product description and operational considerations.

RATING: 15.2-19.95 Vdc

INSTALLATION: In accordance with listee's printed installation instructions, NFPA 72 and applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.

MARKING: Listee's name, model number, electrical rating and UL label.
*Models SIGA-PD and SIGI-PD are under the Edwards brand.
*Models KI-PD and KIR-PD are under the Kidde brand.

APPROVAL: Listed as analog addressable photoelectric smoke detectors.

*Model KI-PD is for use with listee's Models VS1, VS2 and VS4 (CSFM No. 7165-1657:0244); VM-1 (CSFM No. 7165-1657:0309) fire alarm control units.

*Models SIGA-PD and SIGI-PD are for use with listee's Models EST3 (CSFM No. 7165-1657:0186); iO64, iO500 and iO1000 (CSFM No. 7165-1657:0244); EST3X (CSFM No. 7165-1657:0306) fire alarm control units.

*Model KIR-PD is for use with listee's Models FX-64, FX-254 and FX-1000 (CSFM No. 7165-1657:0244) fire alarm control units.

*Model SIGA-PD is for use with listee's bases: Models SIGA-SB, -SB4, -RB, -RB4, -IB, -IB4 (CSFM No. 7300-1657:0120); SIGA-AB4G (CSFM No. 7300-1657:0222); SIGA-AB4GT (CSFM No. 7300-1657:0307) and SIGA-AB4G-LF (CSFM No. 7300-1657:0322).

*Model SIGI-PD is for use with listee's bases; Models SIGI-AB4G (CSFM No. 7300-1657:0222); SIGI-AB4GT (CSFM No. 7300-1657:0307) and SIGI-AB4G-LF (CSFM No.

*Rev 02-15-18 gt

This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other

Date Issued: **July 01, 2022** *Listing Expires* **June 30, 2023**

Authorized By: ***VICTOR WONG****, Program Coordinator*
Fire Engineering Division

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PROJECT #: 21247.21
PRJ MGR: Sinisha Glisic

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DATE: 02/23/2023

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT JESSE U. BASTIAN C-22529 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

DEMO, FLOOR, AND RCP ELECTRICAL PLANS - BUILDING A

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER JESSE U. BASTIAN No. E20229 Exp. 03-31-23 ELECTRICAL STATE OF CALIFORNIA

02/07/2023

PROJECT NO. 21-32-051	REVISIONS	BY
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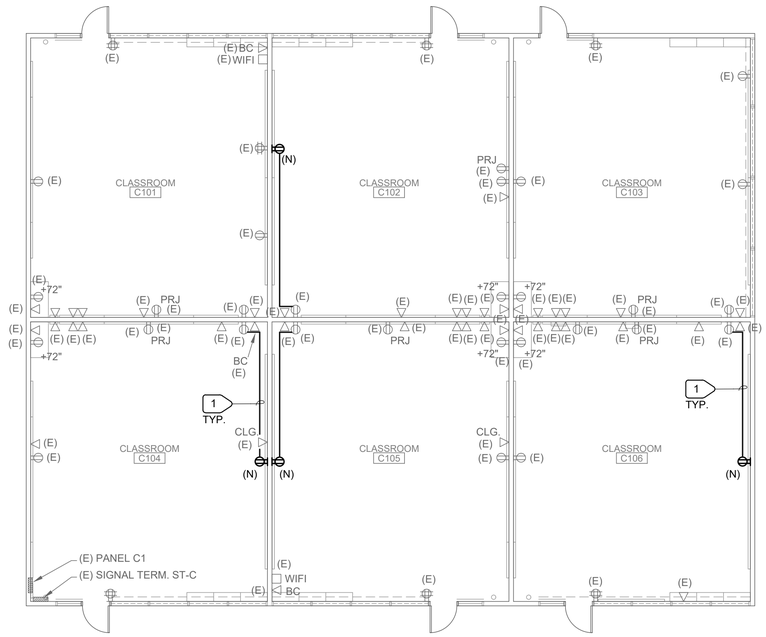

1 E2.1.C

FLOOR PLAN - ELECTRICAL - BUILDING C

SCALE :1/8" = 1'-0"

FIRE ALARM NOTES

1. NO FIRE ALARM CHANGES IN THIS BUILDING. ALL FIRE ALARM DEVICES TO REMAIN IN PLACE.
2. PROTECT FIRE ALARM WIRING AND DEVICES DURING CONSTRUCTION.
3. TEST FIRE ALARM SYSTEM AFTER CONSTRUCTION IS DONE IN ACCORDANCE WITH NFPA 72, CHAPTER 14.

NUMBERED NOTES

1. PROVIDE NEW RECEPTACLE. CONNECT TO EXISTING RECEPTACLE CIRCUIT IN AREA. EXTEND EXISTING RACEWAYS AND CONDUCTORS AS REQUIRED. MATCH BUILDING STANDARD FOR SURFACE MOUNTED RACEWAYS. FIELD VERIFY ALL REQUIREMENTS.

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DATE: 02/23/2023

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN C. HENRY
C - 22523
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

FLOOR PLAN - ELECTRICAL
BUILDING C

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER
JESSE U. BAPTISTA
No. E20229
Exp. 03-31-23
ELECTRICAL
STATE OF CALIFORNIA

02/07/2023

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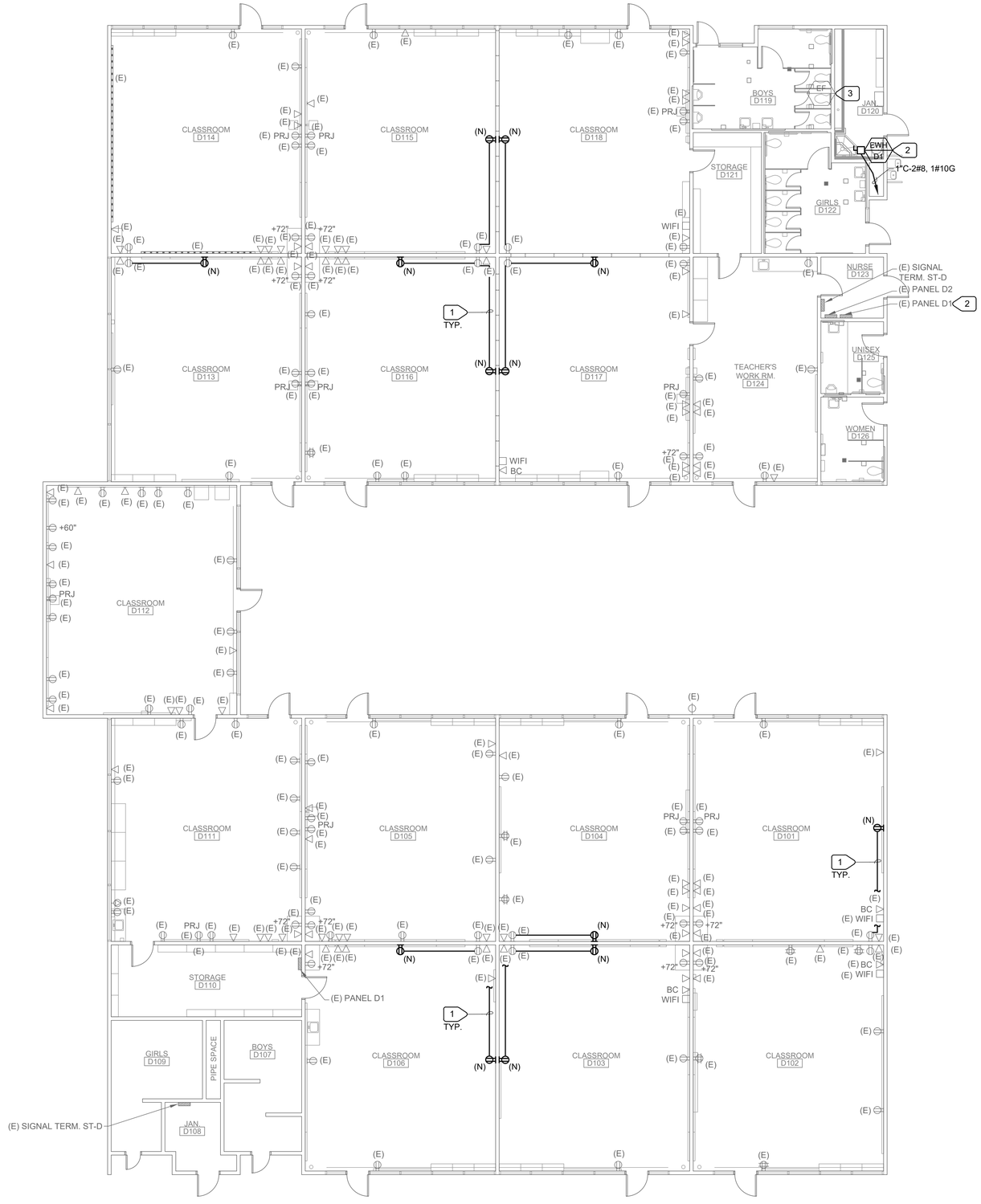

FIRE ALARM NOTES

1. NO FIRE ALARM CHANGES IN THIS BUILDING. ALL FIRE ALARM DEVICES TO REMAIN IN PLACE.
2. PROTECT FIRE ALARM WIRING AND DEVICES DURING CONSTRUCTION.
3. TEST FIRE ALARM SYSTEM AFTER CONSTRUCTION IS DONE IN ACCORDANCE WITH NFPA 72, CHAPTER 14.

NUMBERED NOTES

1. PROVIDE NEW RECEPTACLE. CONNECT TO EXISTING RECEPTACLE CIRCUIT IN AREA. EXTEND EXISTING RACEWAYS AND CONDUCTORS AS REQUIRED. MATCH BUILDING STANDARD FOR SURFACE MOUNTED RACEWAYS. FIELD VERIFY ALL REQUIREMENTS.
2. DISCONNECT (E) WATER HEATER (SEE PLUMBING PLANS). REMOVE WIRING BACK TO PANEL D1. REMOVE CIRCUIT BREAKER ASSOCIATED WITH REMOVE WATER HEATER CIRCUIT. PROVIDE (N) 40/2 CIRCUIT BREAKER IN THAT SPACE. CONNECT (N) WATER HEATER TO THAT CIRCUIT BREAKER.
3. DISCONNECT (E) FAN. RETURN WIRING BACK TO SOURCE. INSURE CIRCUIT CONTINUITY.

1 / E2.1.D — ELECTRICAL FLOOR PLAN - BUILDING D

SCALE :1/8" = 1'-0"

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT — JESSE L. BASTIAN — C-22523 — 12/31/23 RENEWAL DATE — STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

ELECTRICAL FLOOR PLAN - BUILDING D

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER — JESSE U. BASTIAN — No. E20229 Exp. 03-31-23 — ELECTRICAL — STATE OF CALIFORNIA

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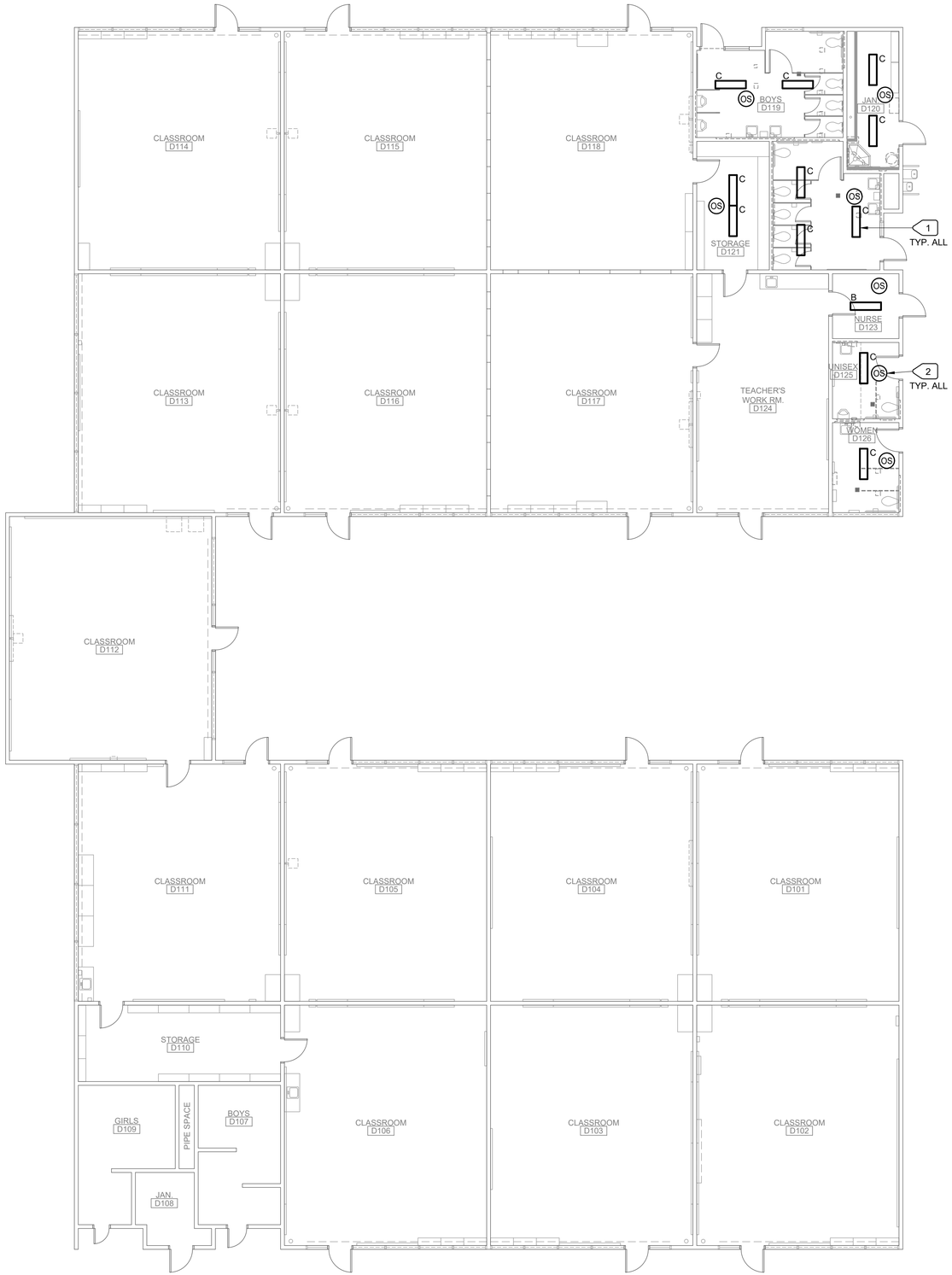

1 E2.2.D — RCP ELECTRICAL PLAN - BUILDING D

SCALE :1/8" = 1'-0"

NUMBERED NOTES

1. REMOVE EXISTING LIGHT FIXTURE AND PROVIDE NEW LIGHT FIXTURE AS SHOWN. UTILIZE EXISTING CIRCUIT AND CONTROLS. EXTEND EXISTING CIRCUITRY AS REQUIRED TO MAINTAIN A COMPLETE AND OPERABLE SYSTEM. FIELD VERIFY ALL REQUIREMENTS.
2. PROVIDE OCCUPANCY SENSOR(S) AS REQUIRED FOR AREA LIGHTS AND INTEGRATE INTO EXISTING SWITCHING. PROVIDE SWITCH PACKS / POWER PACKS AS REQUIRED. FIELD VERIFY ALL REQUIREMENTS. LIGHT FIXTURES WITH INTEGRAL OCCUPANCY SENSORS FOR ROOMS WITH TWO OR FEWER FIXTURES ARE ACCEPTABLE.

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT — STEPHEN K. LIM — C-22523 — 12/31/23 RENEWAL DATE — STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

RCP ELECTRICAL PLAN - BUILDING D

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER — JESSE U. BAPTISTAN — No. E20029 Exp. 03-31-23 — ELECTRICAL — STATE OF CALIFORNIA

02/07/2023

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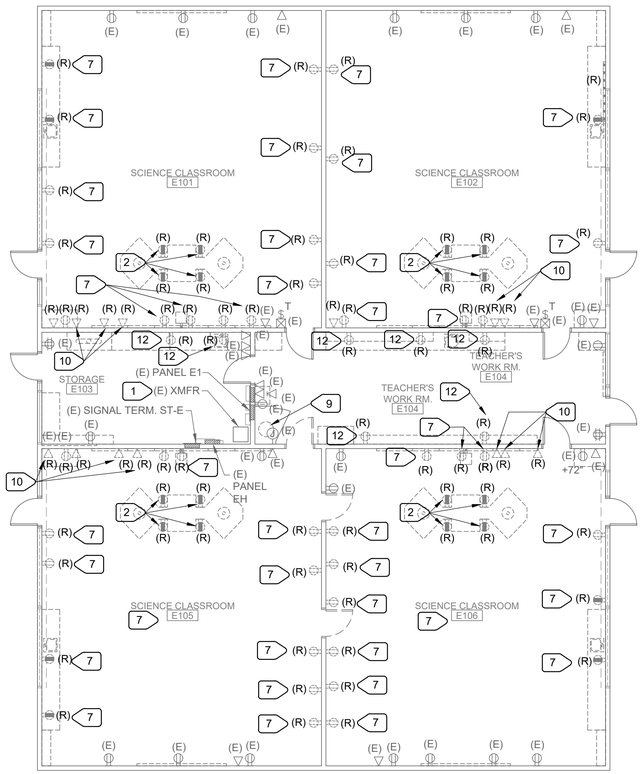
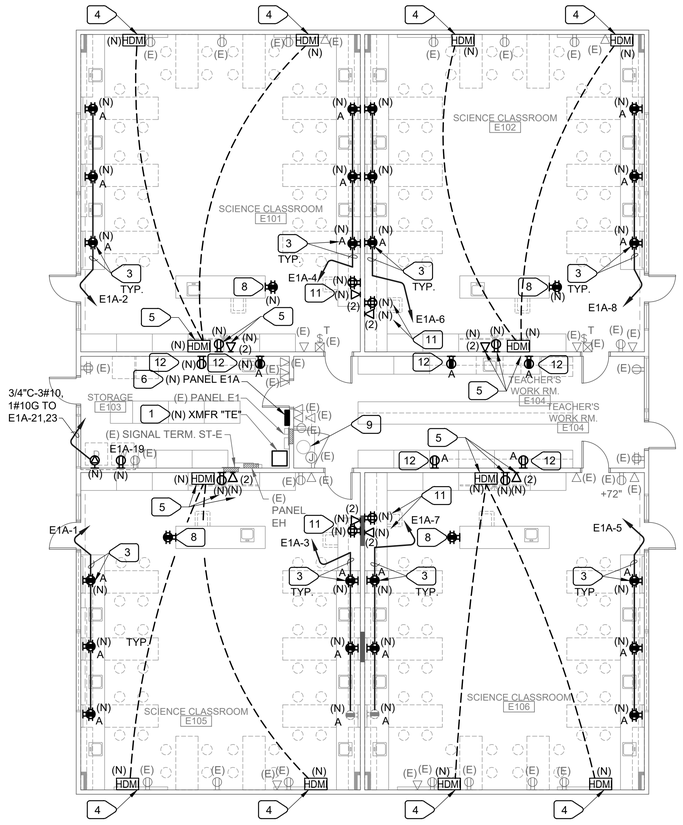


2 E2.1.E — DEMOLITION ELECTRICAL PLAN - BUILDING E

SCALE :1/8" = 1'-0"



1 E2.1.E — ELECTRICAL FLOOR PLAN - BUILDING E

SCALE :1/8" = 1'-0"

GFCI RECEPTACLE NOTES

1. PROVIDE GFCI RECEPTACLES AS SHOWN ON THIS PLAN.
2. PROVIDE GFCI RECEPTACLES IF MOUNTED 6' OR LESS FROM A SINK REGARDLESS WHAT TYPE OR RECEPTACLE IS SHOWN ON THIS PLAN.

FIRE ALARM NOTES

1. NO FIRE ALARM CHANGES IN THIS BUILDING. ALL FIRE ALARM DEVICES TO REMAIN IN PLACE.
2. PROTECT FIRE ALARM WIRING AND DEVICES DURING CONSTRUCTION.
3. TEST FIRE ALARM SYSTEM AFTER CONSTRUCTION IS DONE IN ACCORDANCE WITH NFPA 72, CHAPTER 14.

NUMBERED NOTES

1. REMOVE (E) 30kVA XFRMR AND REPLACE WITH (N) 45kVA XFRMR. PROTECT (E) GROUNDING AND CONNECT (N) TRANSFORMER TO THAT GROUNDING. IF EXISTING GROUNDING IS NOT ADEQUATE PROVIDE 8' GROUND ROD. REFER TO ONE LINE DIAGRAM. SEE 3/E5.1 FOR INSTALLATION.
2. DISCONNECT (E) RECEPTACLE BUT PROTECT (E) POWER CIRCUIT TO CONNECT (N) RECEPTACLE AT (N) TEACHER DESK.
3. PROVIDE NEW RECEPTACLE. CONNECT TO (N) PANEL "E1A". RUN CONDUIT IN PLUMBING CHASE BUILT IN (N) CABINETS. PROVIDE J-BOX AND RUN CONDUIT FROM MAIN CONDUIT RUN TO (N) RECEPTACLE. COORDINATE WITH PLUMBING WORK BEFORE ROUGH IN. TYPICAL FOR (N) RECEPTACLES INSTALLED AT (N) CABINETS.
4. 1-PORT HDMI OUTLET. PROVIDE SURFACE MOUNTED RACEWAY WITH HDMI CABLE TO 2-PORT HDMI OUTLET AS SHOWN. MATCHING BUILDING STANDARD FOR SURFACE MOUNTED RACEWAYS. FIELD VERIFY ROUTING.
5. 2-PORT HDMI OUTLET. PROVIDE SURFACE MOUNTED RACEWAY WITH HDMI CABLE TO 1-PORT HDMI OUTLET AS SHOWN. MATCHING BUILDING STANDARD FOR SURFACE MOUNTED RACEWAYS. FIELD VERIFY ROUTING. PROVIDE POWER RECEPTACLE. CONNECT TO CIRCUIT USED FOR REMOVED RECEPTACLES ON THIS WALL. PROVIDE (N) DATA OUTLET W/ (2) DATA JACKS, RUN CAT 6 CABLES TO (E) IDF. MOUNT HDMI, DATA, AND POWER BEHIND TV SCREEN, SEE ARCHITECTURAL ELEVATION.
6. PROVIDE NEW PANELBOARD UNDER EXISTING LIGHTING RELAY PANEL. PANEL TO REFEED EXISTING PANEL E1. REFER TO ONE-LINE DIAGRAM.
7. EXISTING RECEPTACLE TO BE REMOVED. REMOVE WIRING TO LAST REMAINING DEVICE. REMOVE ASSOCIATE EXPOSED CONDUITS/WIREMOLD. MAINTAIN CONNECTION OF ALL EXISTING TO REMAIN CIRCUITRY. TYPICAL FOR ALL RECEPTACLES WITH (R) SUBSCRIPT.
8. CIRCUIT NEW RECEPTACLE IN ISLAND TO EXISTING ISLAND RECEPTACLE CIRCUIT. EXTEND EXISTING CIRCUITRY AND RACEWAY AS REQUIRED. FIELD VERIFY.
9. DISCONNECT (E) WATER HEATER AND CIRCULATION PUMP. CONNECT NEW WATER HEATER AND CIRCULATION PUMP TO EXISTING WATER HEATER AND CIRCULATION PUMP CIRCUITS. NEW WATER HEATER/CIRCULATION PUMP ARE IN SAME LOCATION. EXTEND EXISTING CIRCUITRY AND RACEWAY AS REQUIRED. FIELD VERIFY.
10. REMOVE DATA OUTLET, REMOVE WIRING BACK TO IDF. TYPICAL FOR ALL DATA OUTLETS WITH (R) SUBSCRIPT.
11. TEACHER LOCATION. PROVIDE (N) FOURPLEX RECEPTACLE AND DATA OUTLET W/ (2) DATA JACKS. CONNECT POWER TO CIRCUIT USED FOR REMOVE POWER RECEPTACLES. PROVIDE (2) CAT6 CABLES AND CONNECT DATA JACKS TO (E) IDF.
12. DISCONNECT (E) RECEPTACLE, PROTECT CIRCUIT. PROVIDE (N) RECEPTACLE AS SHOWN AND CONNECT TO THAT CIRCUIT. ADJUST AS REQUIRED.

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PROJECT #: 21247.21
PRJ MGR: Sinisha Glisic

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT — STEVEN C. HENRY — C-22522 — 12/31/23 RENEWAL DATE — STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

DEMO AND ELECTRICAL FLOOR PLAN - BUILDING E

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER — JESSE U. BASTIAN — No. E20229 Exp. 03-31-23 — ELECTRICAL — STATE OF CALIFORNIA

02/07/2023

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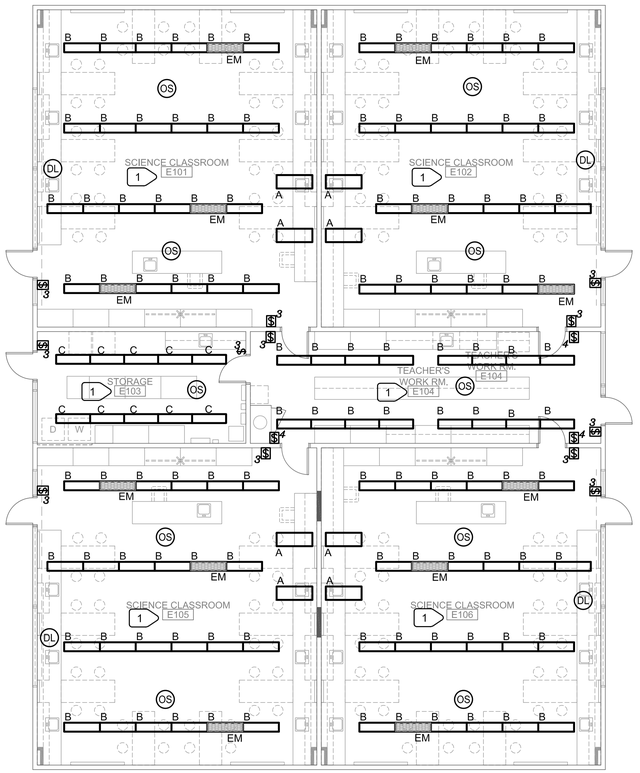
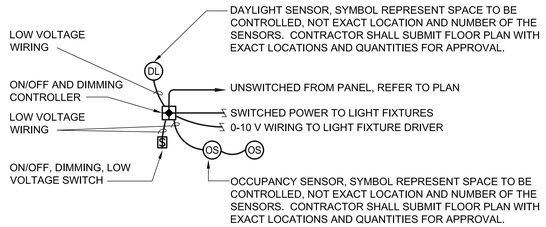


1 / E2.1.E — RCP ELECTRICAL PLAN - BUILDING E

SCALE :1/8" = 1'-0"

NUMBERED NOTES

1. DISCONNECT AND REMOVE ALL FIXTURES IN THIS ROOM. PROTECT (E) LIGHTING CIRCUIT FOR REUSE. DISCONNECT AND REMOVE SWITCH(ES). REMOVE WIRING BETWEEN LIGHT FIXTURES AND SWITCHES. DISCONNECT AND REMOVE OCCUPANCY SENSOR AND ASSOCIATED POWER PACK AND CONTROL WIRING. PROVIDE (N) LIGHT FIXTURES. CONNECT INTO (E) LIGHTING CIRCUIT. PROVIDE (N) OCCUPANCY SENSOR, DAYLIGHT SENSOR, AND DIMMER SWITCH. REFER TO DIAGRAM FOR CONNECTION. REUSE (E) BACKBOXES WHERE POSSIBLE.



LIGHTING CONTROL DIAGRAM

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT — C - 22523 — 12/31/23 RENEWAL DATE — STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

RCP ELECTRICAL PLAN - BUILDING E

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER — JESSE U. BASTIAN — No. E20229 — Exp. 03-31-23 — ELECTRICAL — STATE OF CALIFORNIA

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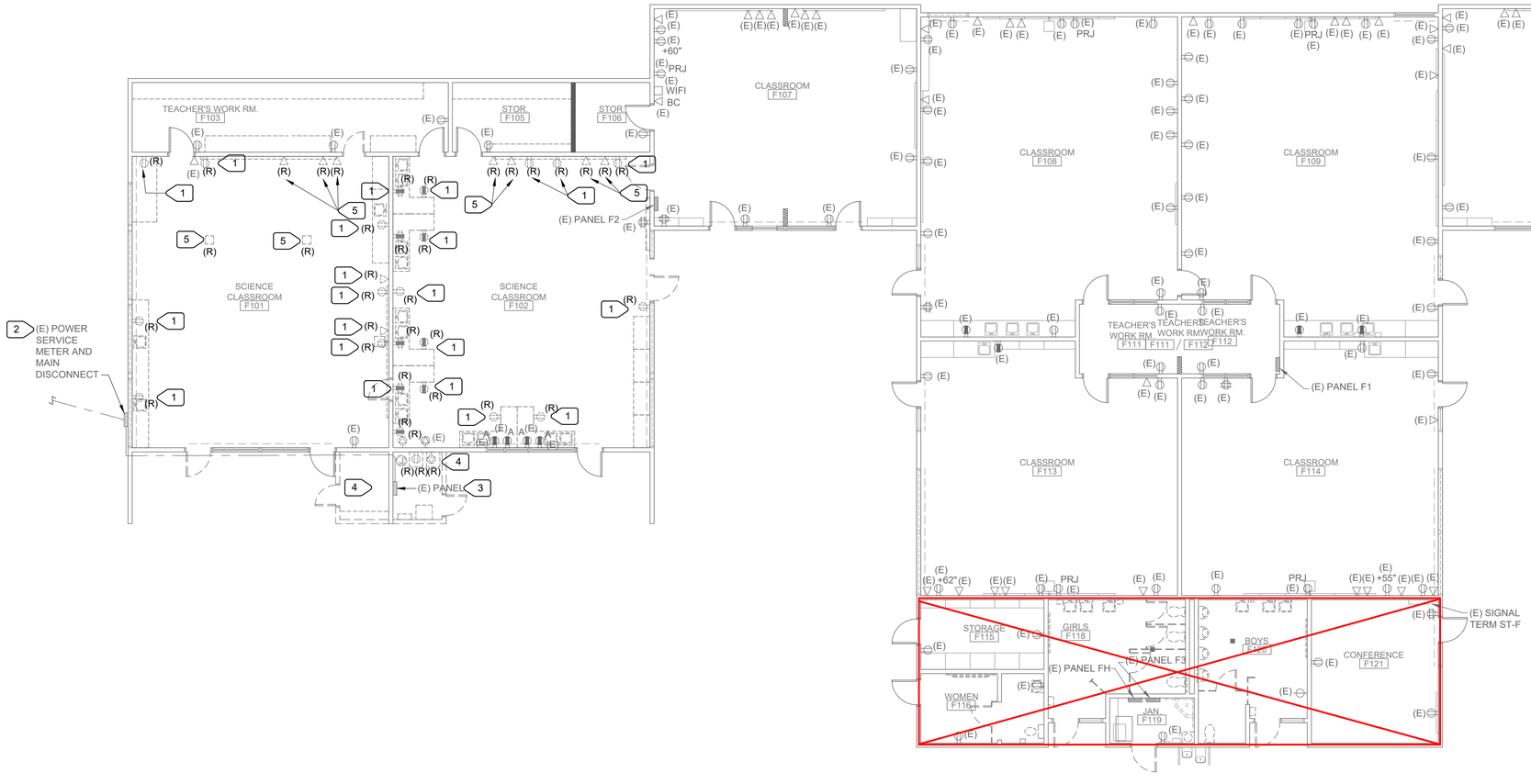
NUMBERED NOTES

1. EXISTING RECEPTACLE TO BE REMOVED. PROTECT EXISTING CIRCUIT FOR REUSE BY NEW RECEPTACLES IN AREA. IF CIRCUIT WILL NOT BE REUSED FOR NEW RECEPTACLE THEN DEMOLISH BACK TO NEAREST J-BOX. MAINTAIN CONNECTION OF ALL EXISTING TO REMAIN CIRCUITRY. TYPICAL FOR RECEPTACLES WITH SUBSCRIPT (R).
2. (E) POWER METER/DISCONNECT WITH O.H. SERVICE WIRES - REMOVE. COORDINATE REMOVAL WITH POWER UTILITY CO. PATCH WALL AND ROOF AFTER SERVICE REMOVAL.
3. REMOVE (E) PANEL AND RETURN TO OWNER. DISCONNECT AND REMOVE ALL INCOMING/OUTGOING CONDUIT/CONDUCTORS.
4. REMOVE ALL ELECTRICAL EQUIPMENT EXCEPT (E) IRRIGATION TIMER. REFEED EXISTING IRRIGATION TIMER 120V CIRCUIT FROM BUILDING F PANEL. COORDINATE NEW LOCATION FOR TIMER WITH LANDSCAPE CONTRACTOR AND EXTEND POWER CIRCUIT FOR TIMER TO THAT LOCATION.
5. REMOVE DATA OUTLET, REMOVE WIRING BACK TO IDF. TYPICAL FOR ALL DATA OUTLETS WITH (R) SUBSCRIPT.



1 DEMOLITION ELECTRICAL PLAN - BUILDING F

E2.1.F

SCALE :1/8" = 1'-0"

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT JESSE U. BASTIAN C-22523 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

DEMOLITION
ELECTRICAL PLAN -
BUILDING F

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER JESSE U. BASTIAN No. E20229 Exp. 03-31-23 ELECTRICAL STATE OF CALIFORNIA

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GFCI RECEPTACLE NOTES

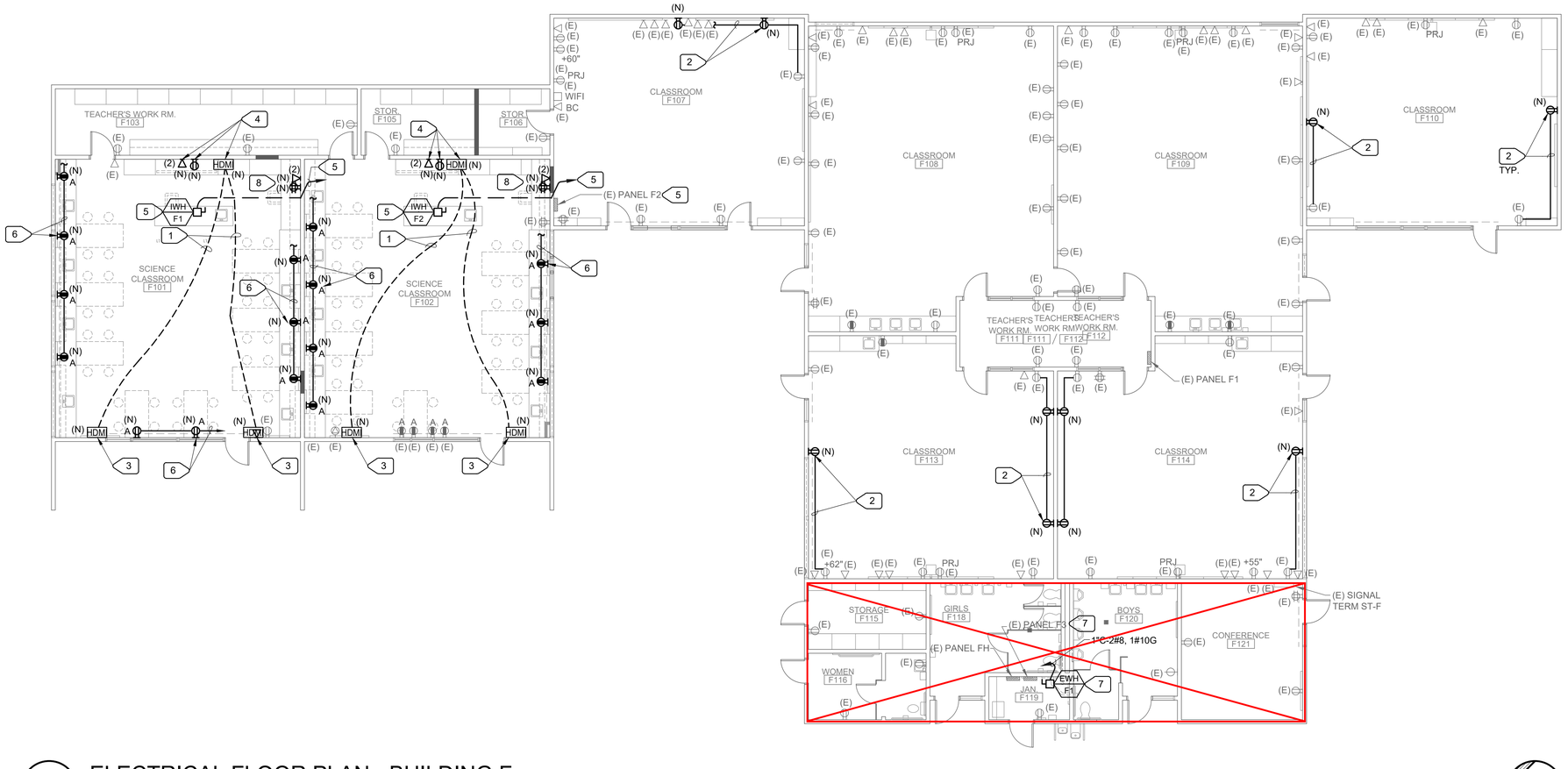
1. PROVIDE GFCI RECEPTACLES AS SHOWN ON THIS PLAN.
2. PROVIDE GFCI RECEPTACLES IF MOUNTED 6' OR LESS FROM A SINK REGARDLESS WHAT TYPE OR RECEPTACLE IS SHOWN ON THIS PLAN.

FIRE ALARM NOTES

1. NO FIRE ALARM CHANGES IN THIS BUILDING. ALL FIRE ALARM DEVICES TO REMAIN IN PLACE.
2. PROTECT FIRE ALARM WIRING AND DEVICES DURING CONSTRUCTION.
3. TEST FIRE ALARM SYSTEM AFTER CONSTRUCTION IS DONE IN ACCORDANCE WITH NFPA 72, CHAPTER 14.

NUMBERED NOTES

1. PROVIDE SURFACE MOUNTED RACEWAY AND HDMI CABLE FROM 1 PORT HDMI OUTLET TO 2 PORT HDMI OUTLET. FIELD VERIFY EXACT ROUTING AND ALL REQUIREMENTS. SURFACE MOUNTED RACEWAY TO MATCH EXISTING BUILDING STANDARD.
2. PROVIDE NEW RECEPTACLE. CONNECT TO EXISTING RECEPTACLE CIRCUIT IN AREA. EXTEND EXISTING RACEWAYS AND CONDUCTORS AS REQUIRED. MATCH BUILDING STANDARD FOR SURFACE MOUNTED RACEWAYS. FIELD VERIFY ALL REQUIREMENTS.
3. 1-PORT HDMI OUTLET. PROVIDE SURFACE MOUNTED RACEWAY WITH HDMI CABLE TO 2-PORT HDMI OUTLET AS SHOWN. MATCHING BUILDING STANDARD FOR SURFACE MOUNTED RACEWAYS. FIELD VERIFY ROUTING.
4. 2-PORT HDMI OUTLET. PROVIDE SURFACE MOUNTED RACEWAY WITH HDMI CABLE TO 1-PORT HDMI OUTLET AS SHOWN. MATCHING BUILDING STANDARD FOR SURFACE MOUNTED RACEWAYS. FIELD VERIFY ROUTING. PROVIDE POWER RECEPTACLE. CONNECT TO CIRCUIT USED FOR REMOVED RECEPTACLES ON THIS WALL. PROVIDE (N) DATA OUTLET W/ (2) DATA JACKS, RUN CAT 6 CABLES TO (E) IDF. MOUNT HDMI, DATA, AND POWER BEHIND TV SCREEN, SEE ARCHITECTURAL ELEVATION.
5. (N) INSTNTENIOUS WATER HEATER - REFER TO PLUMBING PLANS. PROVIDE (2) (N) 30/1 CIRCUIT BREAKERS IN (E) PANEL "F2". CONNECT WATER HEATER TO (N) 30/1 CIRCUIT BREAKER USING 3/4"C-2#10, 1#10G. RUN CONDUIT IN SAME TRENCH WITH PLUMBING PIPES. COORDINATE BEFORE ROUGH IN.
6. PROVIDE NEW RECEPTACLE. CONNECT TO EXISTING RECEPTACLE CIRCUIT USED FOR REMOVED RECEPTACLES. RUN CONDUIT IN PLUMBING CHASE BUILT IN (N) CABINETS. PROVIDE J-BOX AND RUN CONDUIT FROM MAIN CONDUIT RUN TO (N) RECEPTACLE. COORDINATE WITH PLUMBING WORK BEFORE ROUGH IN. TYPICAL FOR (N) RECEPTACLES INSTALLED AT (N) CABINETS.
7. DISCONNECT (E) WATER HEATER (SEE PLUMBING PLANS). REMOVE WIRING BACK TO PANEL F3. REMOVE CIRCUIT BREAKER ASSOCIATED WITH REMOVE WATER HEATER CIRCUIT. PROVIDE (N) 40/2 CIRCUIT BREAKER IN THAT SPACE. CONNECT (N) WATER HEATER TO THAT CIRCUIT BREAKER. THERE ARE (E) SURFACE MOUNTED SWITCHES THAT NEED TO BE RELOCATED FOR (N) WATER HEATER. COORDINATE WITH MECHANICAL EXACT REQUIREMENTS FOR SPACE.
8. TEACHER LOCATION. PROVIDE (N) FOURPLEX RECEPTACLE AND DATA OUTLET W/ (2) DATA JACKS. CONNECT POWER TO CIRCUIT USED FOR REMOVE POWER RECEPTACLES. PROVIDE (2) CAT6 CABLES AND CONNECT DATA JACKS TO (E) IDF.



1 E2.1.F

ELECTRICAL FLOOR PLAN - BUILDING F

SCALE :1/8" = 1'-0"

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MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

ELECTRICAL FLOOR PLAN - BUILDING F

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER JESSE U. BASTIAN No. E20229 Exp. 03-31-23 ELECTRICAL STATE OF CALIFORNIA

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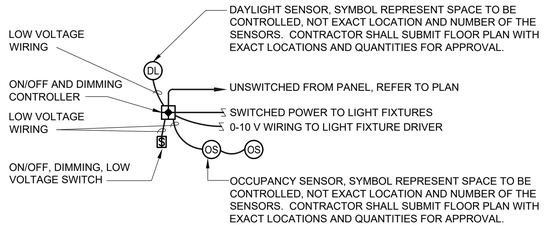
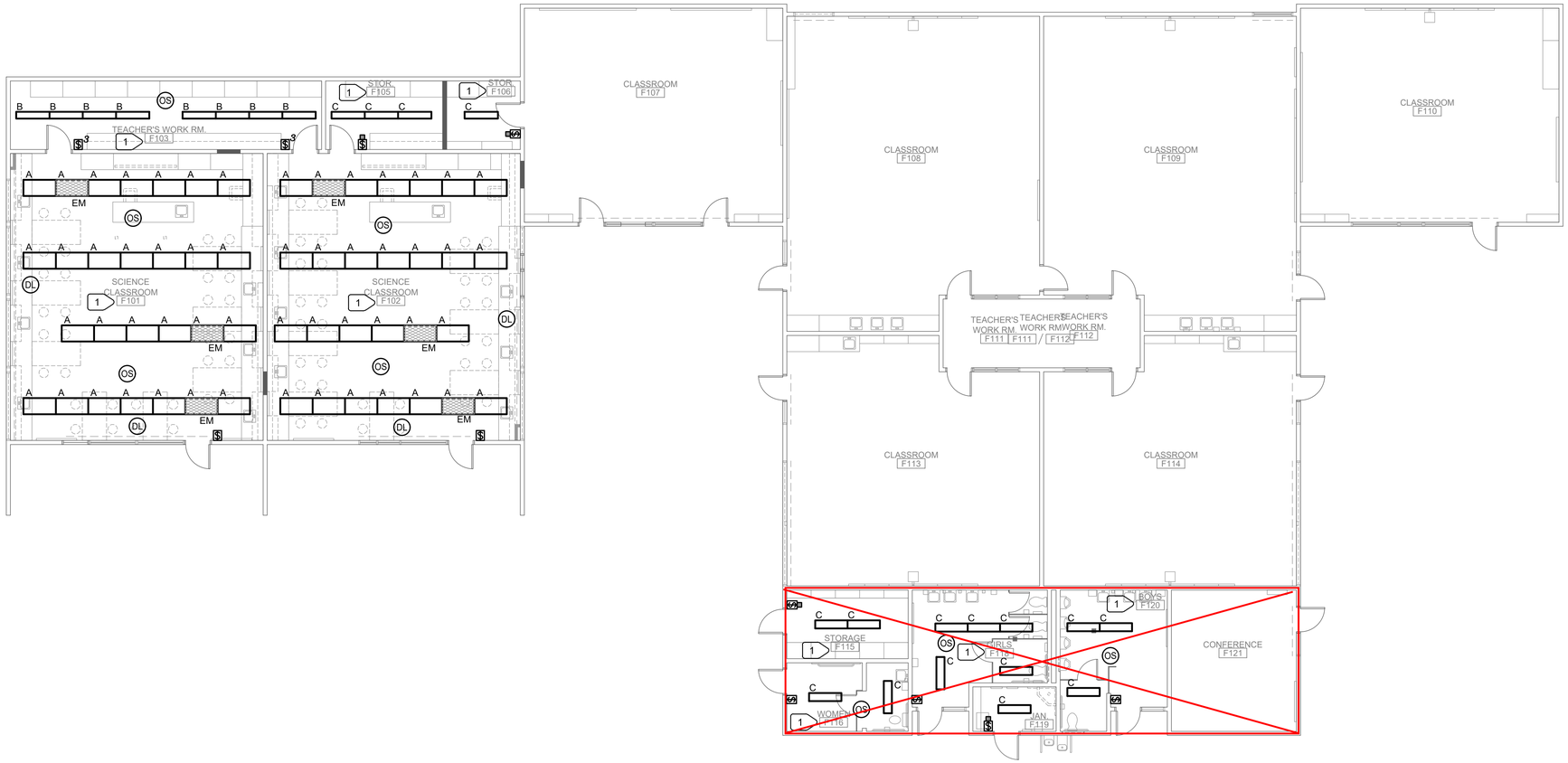


LIGHTING CONTROL DIAGRAM

NUMBERED NOTES

1. DISCONNECT AND REMOVE ALL FIXTURES IN THIS ROOM. PROTECT (E) LIGHTING CIRCUIT FOR REUSE. DISCONNECT AND REMOVE SWITCH(ES). REMOVE WIRING BETWEEN LIGHT FIXTURES AND SWITCHES. DISCONNECT AND REMOVE OCCUPANCY SENSOR AND ASSOCIATED POWER PACK AND CONTROL WIRING. PROVIDE (N) LIGHT FIXTURES. CONNECT INTO (E) LIGHTING CIRCUIT. PROVIDE (N) OCCUPANCY SENSOR, DAYLIGHT SENSOR, AND DIMMER SWITCH. REFER TO DIAGRAM FOR CONNECTION. REUSE (E) BACKBOXES WHERE POSSIBLE.



1 / E2.1.F — RCP ELECTRICAL PLAN - BUILDING F

SCALE :1/8" = 1'-0"

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RCP ELECTRICAL PLAN - BUILDING F

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER — JESSE U. BASTIAN — No. E20229 Exp. 03-31-23 — ELECTRICAL — STATE OF CALIFORNIA

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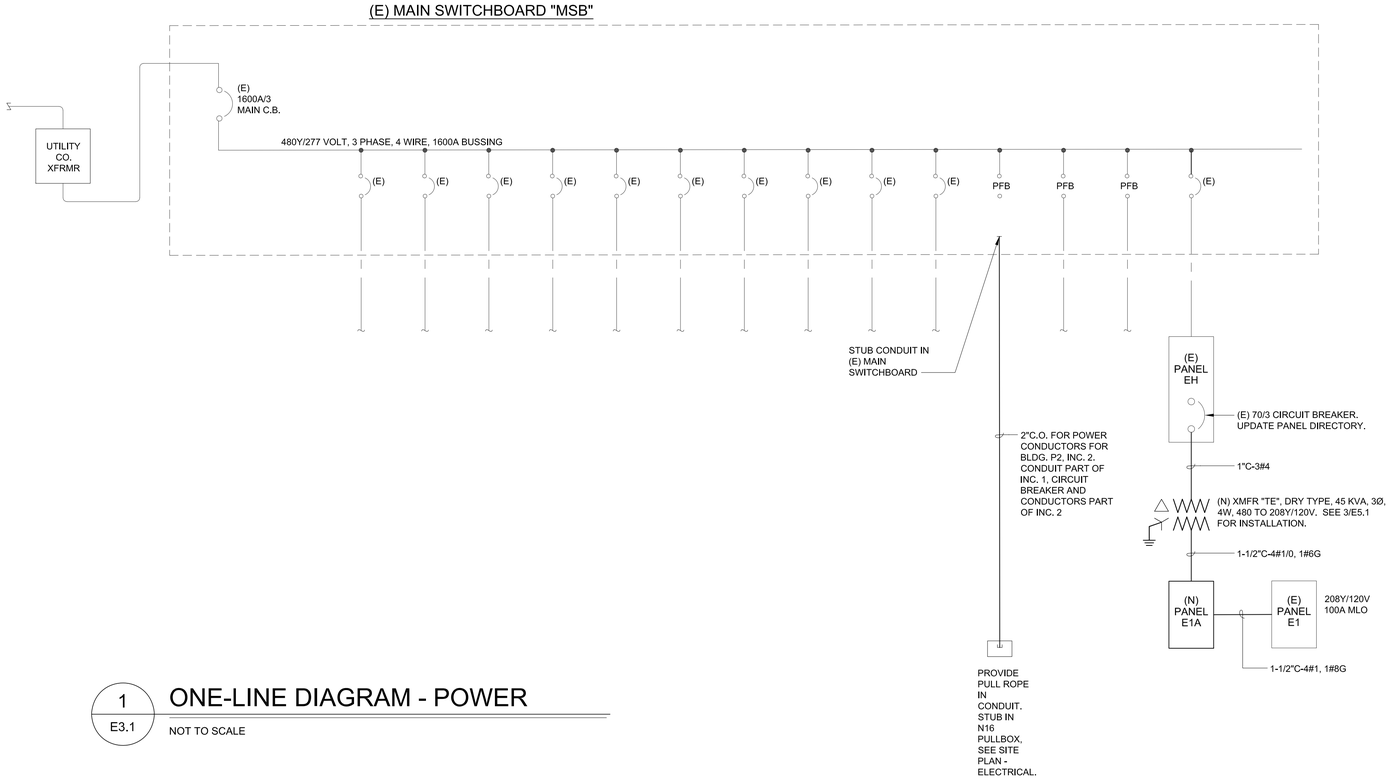


1 E3.1 **ONE-LINE DIAGRAM - POWER**

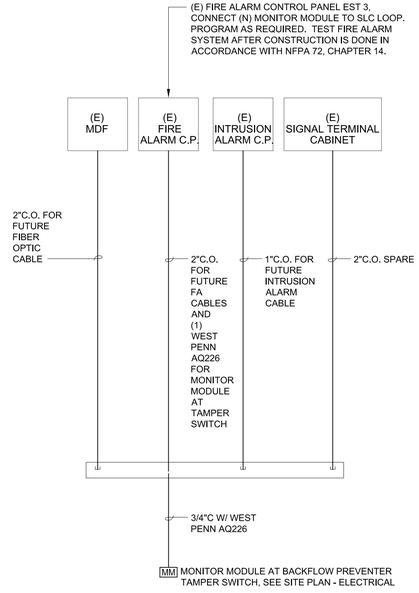
NOT TO SCALE

NEW PANEL "E1A " SCHEDULE

POWER SOURCE:PANEL "HVIA XFRMR "TP"							LOCATION: SEE PLAN		
TYPE:	BUS: 225A	MCB: 125/3	VOLTAGE: 120/208 VOLT, 3 PHASE, 4 WIRES			MOUNTING: SURFACE		REMARKS: 10k AIC MIN. SYMM.	
LOAD SERVED		kVA	CB	CKT	PHASE	CKT	CB	kVA	LOAD SERVED
RECEPTACLES		1.0	20/1	1	A	2	20/1	1.0	RECEPTACLES
RECEPTACLES		1.0	20/1	3	B	4	20/1	1.0	RECEPTACLES
RECEPTACLES		1.0	20/1	5	C	6	20/1	1.0	RECEPTACLES
RECEPTACLES		1.0	20/1	7	A	8	20/1	1.0	RECEPTACLES
SPARE			20/1	9	B	10	20/1		SPARE
SPARE			20/1	11	C	12	20/1		SPARE
SPARE			20/1	13	A	14	20/1		SPARE
SPARE			20/1	15	B	16	20/1		SPARE
SPARE			20/1	17	C	18	20/1		SPARE
WASHER		1.0	20/1	19	A	20	20/1		SPARE
DRYER		2.5	30/2	21	B	22	20/1		SPARE
		2.5		23	C	24	PFB		SPACE
PANEL "E1"		10.5	100/3	25	A	26	PFB		SPACE
		10.0		27	B	28	PFB		SPACE
		10.1		29	C	30	PFB		SPACE

NOTE(S):
1.
2.
3.

PHASE A= 15.5 kVA
PHASE B= 14.5 kVA
PHASE C= 14.6 kVA
TOTAL = 44.6 kVA
TOTAL = 123.8 Amperes



2 E3.1 **SIGNAL RISER DIAGRAM - SITE CONDUITS FOR INC. 2, BLDG P2**

NOT TO SCALE

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HENRY+ ASSOCIATES ARCHITECTS

REGISTERED ARCHITECT STATE OF CALIFORNIA C-25525 12/31/23 RENEWAL DATE

MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1)

ONE-LINE DIAGRM - POWER, SIGNAL -SITE AND PANEL SCHEDULES

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER JOSE U. BAUTISTA No. E20229 Exp. 03-31-23 ELECTRICAL STATE OF CALIFORNIA

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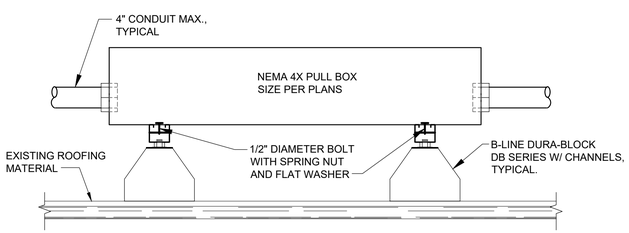
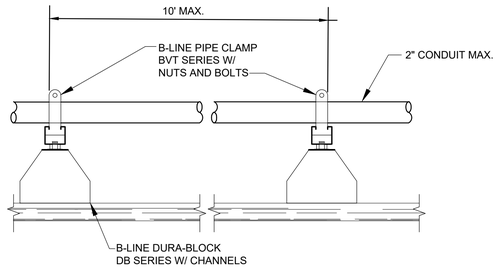
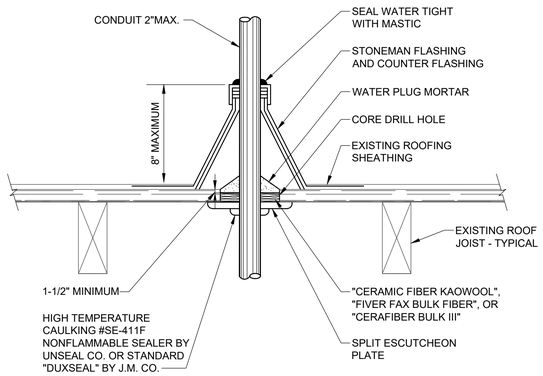




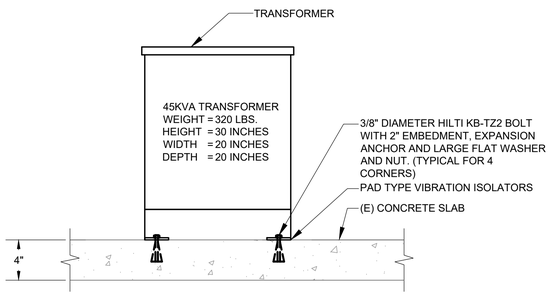
1 E5.1 **CONDUIT & PULLBOX ON ROOF**

NO SCALE



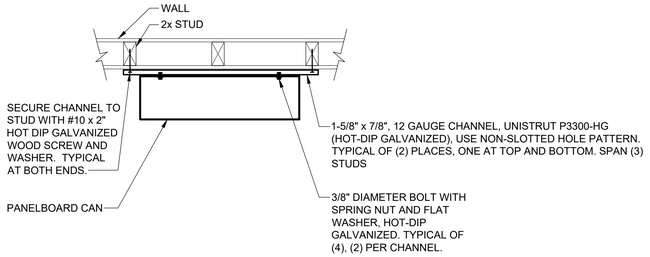
2 E5.1 **ROOF CONDUIT PENETRATION DETAIL**

NO SCALE



3 E5.1 **TRANSFORMER "TE" MOUNTING DETAIL**

NO SCALE

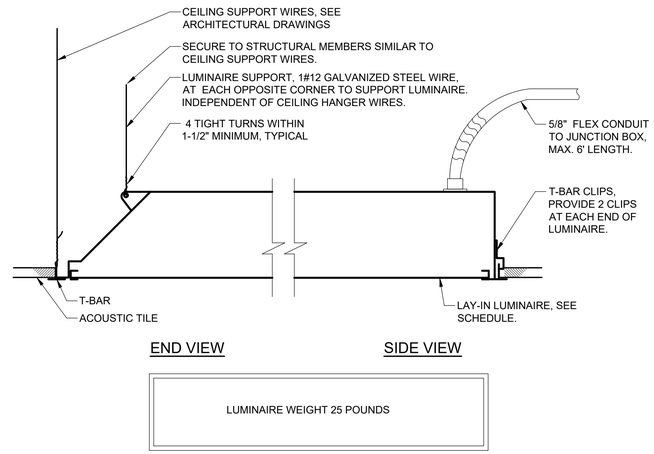


(N) PANELS DIMENSION: 26"H X 20"W X 6"D
MAXIMUM WEIGHT: 190LB.

NOTE: PAINT EXPOSED CONDUITS TO MATCH SURFACE TO WHICH THEY ARE ATTACHED.

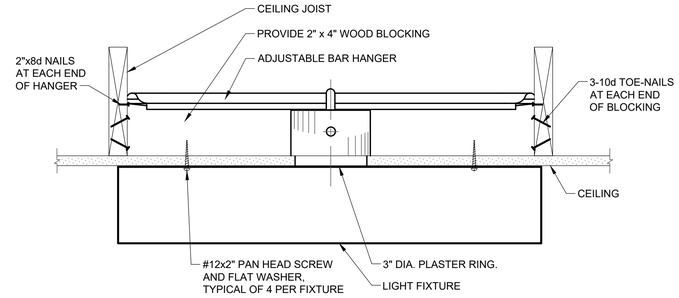
4 E5.1 **SURFACE PANELBOARD MOUNTING DETAIL**

NO SCALE



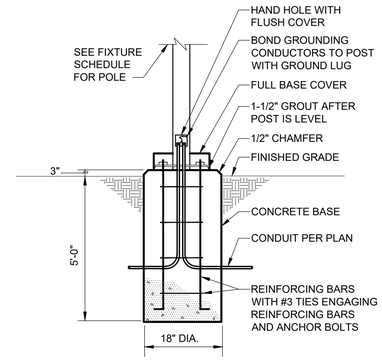
5 E5.1 **LAY-IN LUMINAIRE MOUNTING DETAIL**

NO SCALE



6 E5.1 **SURFACE FIXTURE MOUNTING DETAIL**

NO SCALE



LIGHT POLES LESS THAN 35 FT NOT REVIEWED BY DSA AND NOT PART OF THIS APPROVAL

7 E5.1 **FIXTURE "P" BASE DETAIL**

NO SCALE

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SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT JESSE U. BASTIAN C-22523 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

ELECTRICAL DETAILS

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER JESSE U. BASTIAN No. E20229 Exp. 03-31-23 ELECTRICAL STATE OF CALIFORNIA

02/07/2023

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN NH/KL		
CHECKED SKL		
SCALE AS NOTED		
CADFILE		
UPDATED 02/07/23		

SHEET NO.

E5.1

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www.mneilsengineering.com
Tel: (916) 923-4400
PROJECT #: 21247.21
PRJ MGR: Sinisha Glisic

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CERTIFICATE OF COMPLIANCE NRCC-LTI-E

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

Project Name: MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1) - BUILDING E	Report Page: Page 1 of 7
Project Address: 945 S HAM LN, LODI, CA 95242	Date Prepared: 07/19/2022

A. GENERAL INFORMATION

01	Project Location (city)	LODI	04	Total Conditioned Floor Area (ft²)	5,320
02	Climate Zone	12	05	Total Unconditioned Floor Area (ft²)	
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	

☐ Office ☐ Retail ☐ Warehouse ☐ Hotel/Motel ☑ School ☐ Support Areas
☐ Parking Garage ☐ High-Rise Residential ☐ Relocatable ☐ Healthcare ☐ Other (write in):

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☑ New Lighting System	Area Category	5,320		
☐ Altered Lighting System				
Total Area of Work (ft²)	**5,320**			

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1.	Allowed Lighting Power per §140.6(b) (Watts)						Adjusted Lighting Power per §140.6(a) (Watts)					Compliance Results
	01	02	03	04		05		06	07 Adjustments		08	09
	Complete Building §140.6(c)1	Area Category §140.6(c)2	Area Category Additional §140.6(c)2G (+)	Tailored §140.6(c)3 (+)	=	**Total Allowed** (Watts)	≥	Total Designed (Watts)	PAF Control Credits §140.6(a)2 (-)	=	**Total Adjusted** (Watts) *Includes Adjustments	**05 Must be ≥ 08** §140.6
	(See Table I)	(See Table I)	(See Table J)	(See Table K)				(See Table F)	(See Table P)			
Conditioned:		3,598.2			=	**3,598.2**	≥	3,494.4		=	**3,494.4**	**COMPLIES**
Unconditioned:					=		≥			=		

Table Continued

CERTIFICATE OF COMPLIANCE NRCC-LTI-E

Project Name: MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1) - BUILDING E	Report Page: Page 2 of 7
Project Address: 945 S HAM LN, LODI, CA 95242	Date Prepared: 07/19/2022

Controls Compliance (See Table H for Details)	**COMPLIES**
Rated Power Reduction Compliance (See Table Q for Details)	**Not Applicable**

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How Wattage is determined	Total number luminaires	Exempt per §140.6(a)3	Design Watts	Field Inspector	
									Pass	Fail
A	2X4 LED SURFACE LIGHT	☐	☐	31.7	Mfr. Spec[2]	8	☐	253.6	☐	☐
B	1X4 LED SURFACE LIGHT	☐	☐	26.9	Mfr. Spec[2]	112	☐	3,012.8	☐	☐
C	1X4 LED SURFACE LIGHT	☐	☐	22.8	Mfr. Spec[2]	10	☐	228	☐	☐
					Total Designed Watts CONDITIONED SPACES:			**3,494.4**		

[1] *FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*
[2] *Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

CERTIFICATE OF COMPLIANCE NRCC-LTI-E

Project Name: MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1) - BUILDING E	Report Page: Page 3 of 7
Project Address: 945 S HAM LN, LODI, CA 95242	Date Prepared: 07/19/2022

*Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.*

Building Level Controls

01	02	03
Mandatory Demand Response §110.12(c)	Shut-Off Controls §130.1(c)	Field Inspector: Pass / Fail
Not Required ≤ 10,000 SF	See Area/Space Level Controls	☐ / ☐

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Skylit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector	
								Pass	Fail
CLASSROOMS	Classroom, Lecture, Training, Vocational	Manual ON/ OFF	Dimmer	Occ. Sensor	NA	NA	☐	☐	☐
TEACHERS WORK RM	Lounge	Manual ON/ OFF	Dimmer	Occ. Sensor	NA	NA	☐	☐	☐
STORAGE	Commercial and Industrial Storage	Manual ON/ OFF	Dimmer	Occ. Sensor	NA	NA	☐	☐	☐

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
*EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting;
EXCEPTION 1 to §130.1(d)2*

13
Plan Sheet Showing Daylit Zones:

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowances / Adjustment: Area Category	PAF
CLASSROOMS	Classroom, Lecture, Training, Vocational	0.7	4,470	3,129	☐	☐
TEACHERS WORK RM	Commercial and Industrial Storage	0.6	490	294	☐	☐

CERTIFICATE OF COMPLIANCE NRCC-LTI-E

Project Name: MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1) - BUILDING E	Report Page: Page 4 of 7
Project Address: 945 S HAM LN, LODI, CA 95242	Date Prepared: 07/19/2022

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowances / Adjustment: Area Category	PAF
STORAGE	Commercial and Industrial Storage	0.6	292	175.2	☐	☐
		TOTAL:	**5,252**	**3,598.2**	See Tables J or P for detail	

J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This Section Does Not Apply

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This Section Does Not Apply

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

This Section Does Not Apply

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www.mneilsengineering.com
Tel: (916) 923-4400
PROJECT #: 21247.21
PRJ MGR: Sinisha Glisic

IDENTIFICATION STAMP
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REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212
HENRY+ ASSOCIATES ARCHITECTS

REGISTERED ARCHITECT STEPHEN K. KLEIN C-22529 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER JESSE U. BASTIAN No. E20229 Exp. 03-31-23 ELECTRICAL STATE OF CALIFORNIA

02/07/2023

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN NH/KL		
CHECKED SKL		
SCALE AS NOTED		
CADFILE		
UPDATED 02/07/23		

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CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1) - BUILDING E	Report Page:	Page 5 of 7
Project Address: 945 S HAM LN, LODI, CA 95242	Date Prepared:	07/19/2022

R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS

This Section Does Not Apply

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This Section Does Not Apply

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://ww2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
◉	○	NRCI-LTI-01-E - Must be submitted for all buildings	☐	☐
○	◉	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐	☐

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1) - BUILDING E	Report Page:	Page 6 of 7
Project Address: 945 S HAM LN, LODI, CA 95242	Date Prepared:	07/19/2022

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
◉	○	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐	☐
○	◉	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐	☐
○	◉	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐	☐
○	◉	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	☐	☐
○	◉	NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).	☐	☐

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1) - BUILDING E	Report Page:	Page 7 of 7
Project Address: 945 S HAM LN, LODI, CA 95242	Date Prepared:	07/19/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name:	Jesse U. Bastian	Documentation Author Signature:	Jesse Bastian
Company:	M. Neils Engineering, Inc.	Signature Date:	07/19/2022
Address:	100 Howe Ave, Suite 235N	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Sacramento, CA 95825	Phone:	(916) 923-4400

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. **The information provided on this Certificate of Compliance is true and correct.**
2. **I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)**
3. **The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.**
4. **The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.**
5. **I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.**

Responsible Designer Name:	Jesse U. Bastian	Responsible Designer Signature:	Jesse Bastian
Company :	M. Neils Engineering, Inc.	Date Signed:	07/19/2022
Address:	100 Howe Ave, Suite 235N	License:	E20229
City/State/Zip:	Sacramento, CA 95825	Phone:	(916) 923-4400

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UNAUTHORIZED CHANGES & USES: M. Neils Engineering, Inc. preparing these plans will not be responsible for, or liable for unauthorized changes to or uses to these plans. All changes to these plans must be in writing and must be approved by M. Neils Engineering, Inc.

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN C. KLEIN
C-22523
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1)

TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER
JESSE U. BASTIAN
No. E20229
Exp. 03-31-23
ELECTRICAL
STATE OF CALIFORNIA

02/07/2023

PROJECT NO. 21-32-051	REVISIONS	BY
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PROJECT #: 21247.21
PRJ MGR: Sinisha Glisic

SHEET NO.

E6.2

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STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 01/20) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTI-E

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

Project Name:	MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1) - BUILDING P2	Report Page:	Page 1 of 6
Project Address:	945 S HAM LN, LODI, CA 95242	Date Prepared:	07/19/2022

A. GENERAL INFORMATION

01	Project Location (city)	LODI	04	Total Conditioned Floor Area (ft²)	3,237
02	Climate Zone	12	05	Total Unconditioned Floor Area (ft²)	
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	

☐ Office ☐ Retail ☐ Warehouse ☐ Hotel/Motel ☑ School ☐ Support Areas
☐ Parking Garage ☐ High-Rise Residential ☐ Relocatable ☐ Healthcare ☐ Other (write in):

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☑ New Lighting System	Complete Building	3,237		
☐ Altered Lighting System				
Total Area of Work (ft²)	**3,237**			

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1.	Allowed Lighting Power per §140.6(b) (Watts)						Adjusted Lighting Power per §140.6(a) (Watts)				Compliance Results
	01	02	03	04		05		06	07		08		09
	Complete Building §140.6(c)1	Area Category §140.6(c)2	Area Category Additional §140.6(c)2G (+)	Tailored §140.6(c)3 (+)	=	**Total Allowed** (Watts)	≥	Total Designed (Watts)	Adjustments PAF Control Credits §140.6(a)2 (-)	=	**Total Adjusted** (Watts) *Includes Adjustments		**05 Must be ≥ 08** §140.6
	(See Table I)	(See Table I)	(See Table J)	(See Table K)				(See Table F)	(See Table P)				
Conditioned:	2,104.05				=	**2,104.05**	≥	1,197.6		=	**1,197.6**		**COMPLIES**
Unconditioned:					=		≥			=			

Table Continued

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 01/20) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTI-E

Project Name:	MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1) - BUILDING P2	Report Page:	Page 3 of 6
Project Address:	945 S HAM LN, LODI, CA 95242	Date Prepared:	07/19/2022

*Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.*

Building Level Controls

01	02	03	
Mandatory Demand Response §110.12[c]	Shut-Off Controls §130.1(c)	Field Inspector	
		Pass	Fail
		☐	☐

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Skylit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector	
								Pass	Fail
BUILDING P2	School Building	Manual ON/ OFF	Dimmer	Occ. Sensor	NA	NA	☐	☐	☐

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting;
EXCEPTION 1 to §130.1(d)2

13
Plan Sheet Showing Daylit Zones:

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowances / Adjustment	
					Area Category	PAF
BUILDING P2	School Building	0.65	3,237	2,104.05	☐	☐
			TOTAL:	**2,104.05**	See Tables J or P for detail	

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2020

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 01/20) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTI-E

Project Name:	MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1) - BUILDING P2	Report Page:	Page 2 of 6
Project Address:	945 S HAM LN, LODI, CA 95242	Date Prepared:	07/19/2022

Controls Compliance (See Table H for Details)	**COMPLIES**
Rated Power Reduction Compliance (See Table Q for Details)	**Not Applicable**

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How Wattage is determined	Total number luminaires	Exempt per §140.6(a)3	Design Watts	Field Inspector	
									Pass	Fail
C	1X4 LED SURFACE LIGHT	☐	☐	22.8	Mfr. Spec[2]	2	☐	45.6	☐	☐
E	2X4 LED TROFFER LIGHT	☐	☐	32	Mfr. Spec[2]	36	☐	1,152	☐	☐
					Total Designed Watts CONDITIONED SPACES:			**1,197.6**		

[1] *FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*
[2] *Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2020

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 01/20) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTI-E

Project Name:	MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1) - BUILDING P2	Report Page:	Page 4 of 6
Project Address:	945 S HAM LN, LODI, CA 95242	Date Prepared:	07/19/2022

J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This Section Does Not Apply

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This Section Does Not Apply

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

This Section Does Not Apply

R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS

This Section Does Not Apply

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This Section Does Not Apply

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2020

M. NEILS
ENGINEERING, INC.
Electrical Engineers | Lighting Designers
100 Howe Ave., Suite 235N
Sacramento, CA 95825-8217
www.mneilsengineering.com
Tel: (916) 923-4400
PROJECT #: 21247.21
PRJ MGR: Sinisha Glisic

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT — JESSE U. BASTIAN — C-22529 — 12/31/23 RENEWAL DATE — STATE OF CALIFORNIA

MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1)

TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER — JESSE U. BASTIAN — No. E20229 Exp. 03-31-23 — ELECTRICAL — STATE OF CALIFORNIA

02/07/2023

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN NH/KL		
CHECKED SKL		
SCALE AS NOTED		
CADFILE		
UPDATED 02/07/23		

SHEET NO.

E6.3

. OF SHEETS

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 01/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1) - BUILDING P2	Report Page:	Page 5 of 6
Project Address: 945 S HAM LN, LODI, CA 95242	Date Prepared:	07/19/2022

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://ww2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
◉	○	NRCI-LTI-01-E - Must be submitted for all buildings	☐	☐
○	◉	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐	☐

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
◉	○	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐	☐
○	◉	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐	☐
○	◉	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐	☐
○	◉	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	☐	☐
○	◉	NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).	☐	☐

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 01/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1) - BUILDING P2	Report Page:	Page 6 of 6
Project Address: 945 S HAM LN, LODI, CA 95242	Date Prepared:	07/19/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name:	Jesse U. Bastian	Documentation Author Signature:	Jesse Bastian
Company:	M. Neils Engineering, Inc.	Signature Date:	07/19/2022
Address:	100 Howe Ave, Suite 235N	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Sacramento, CA 95825	Phone:	(916) 923-4400

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. **The information provided on this Certificate of Compliance is true and correct.**
2. **I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)**
3. **The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.**
4. **The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.**
5. **I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.**

Responsible Designer Name:	Jesse U. Bastian	Responsible Designer Signature:	Jesse Bastian
Company :	M. Neils Engineering, Inc.	Date Signed:	07/19/2022
Address:	100 Howe Ave, Suite 235N	License:	E20229
City/State/Zip:	Sacramento, CA 95825	Phone:	(916) 923-4400

Feb 06, 2023 - 3:44pm, / pivonov
UNAUTHORIZED CHANGES & USES: M. Neils Engineering, Inc. preparing these plans will not be responsible for, or liable for unauthorized changes to or uses to these plans. All changes to these plans must be in writing and must be approved by M. Neils Engineering, Inc.

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN C. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1)

TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER
JESSE U. BASTIAN
No. E20229
Exp. 03-31-23
ELECTRICAL
STATE OF CALIFORNIA

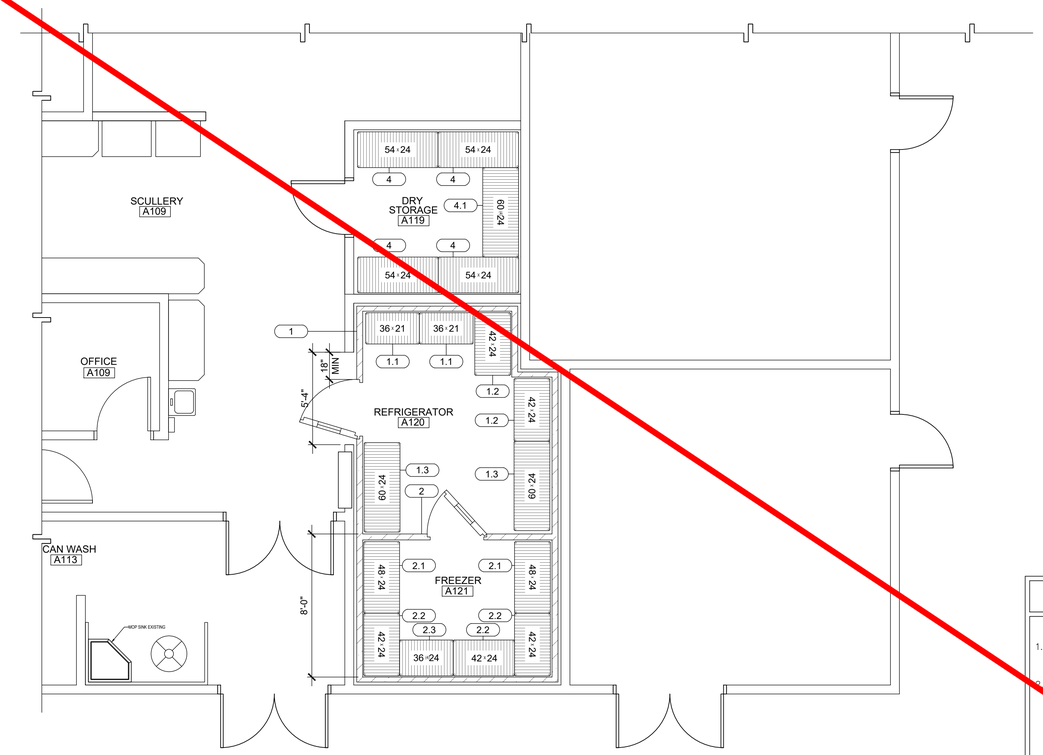
02/07/2023

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN NH/KL		
CHECKED SKL		
SCALE AS NOTED		
CADFILE		
UPDATED 02/07/23		

SHEET NO.

E6.4

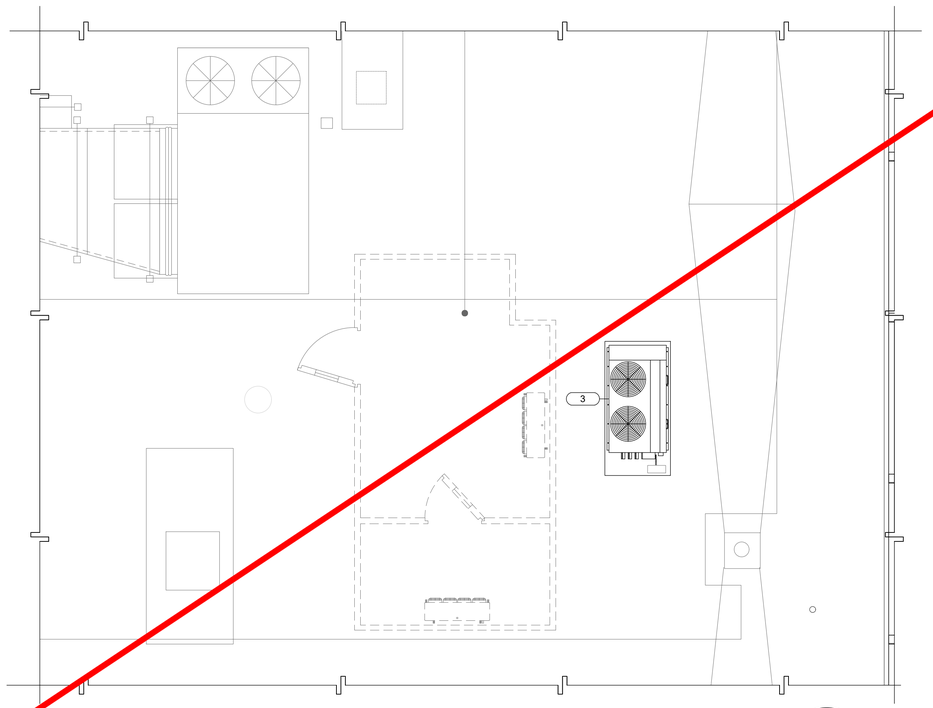
. OF SHEETS



FOODSERVICE EQUIPMENT FLOOR PLAN

1
FS1.1

SCALE : 1/4" = 1'-0"



FOODSERVICE EQUIPMENT ROOF PLAN

2
FS1.1

SCALE : 1/4" = 1'-0"

EQUIPMENT SCHEDULE

ITEM NO	QTY	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	EQUIPMENT WT. LBS. INLC. LOAD	ANCHORAGE DETAILS
1	1	WALK-IN REFRIGERATOR	RMI	FABRICATED ITEM	8.5LBS PER SQFT OF 4" PANEL	A/FS6.1
1.1	2	COLD STORAGE SHELVING	METRO	A2136NK3	15	B/FS8.1
1.2	2	COLD STORAGE SHELVING	METRO	A2442NK3	19	B/FS8.1
1.3	2	COLD STORAGE SHELVING	METRO	A2460NK3	24	B/FS8.1
2	1	WALK-IN FREEZER	RMI	FABRICATED ITEM	8.5LBS PER SQFT OF 4" PANEL	A/FS6.1
2.1	2	COLD STORAGE SHELVING	METRO	A2448NK3	19	B/FS8.1
2.2	3	COLD STORAGE SHELVING	METRO	A2442NK3	19	B/FS8.1
2.3	1	COLD STORAGE SHELVING	METRO	A2436NK3	17	B/FS8.1
3	1	REMOTE REFRIGERATION LOC ON ROOF	COLDZONE	MPL-2CZ	581	C/FS7.1
4	4	DRY STORAGE SHELVING	METRO	A2454NC	23	A/FS8.1
4.1	1	DRY STORAGE SHELVING	METRO	A2460NC	20	A/FS8.1

SHEET NOTES

1. REFER TO ARCH. DRAWINGS FOR FIRE EXTINGUISHER LOCATIONS. FIRE EXTINGUISHER FOR KITCHENS TO BY TYPE K
2. ALL WORK SHALL CONFORM TO THE CALIFORNIA BUILDING CODE, CALIFORNIA ELECTRICAL CODE, CALIFORNIA MECHANICAL AND PLUMBING CODES, CALIFORNIA HEALTH AND SAFETY CODE. ALL FOOD SERVICES EQUIPMENT SHALL MEET AND BE INSTALLED PER THE REQUIREMENTS OF THE CALIFORNIA HEALTH AND SAFETY CODE DIVISION 22 AND ALL LOCAL CODES AND ORDINANCES."

HEALTH DEPARTMENT NOTES:

1. PROVIDE THERMOMETER IN ALL REFRIGERATION UNITS CONTAINING PERISHABLE FOODS.
2. PROVIDE PROBE THERMOMETER FOR CHECKING HOT AND COLD FOODS.
3. FOOD STORAGE SHELVES SHALL BE MINIMUM SIZE (6) INCHES ABOVE FLOOR.
4. ALL EQUIPMENT SHALL MEET OR BE EQUIVALENT TO "NSF" STANDARDS.
5. PROVIDE GARMENT STORAGE AREA: LOCKER, CABINET OR HANGERS FOR EMPLOYEE GARMENTS.
6. RODENT AND INSECT-PROOF ALL EXTERIOR DOORS AND WINDOWS. PROVIDE HEAVY-DUTY SELF-CLOSERS ON ALL EXTERIOR DOORS AND RESTROOM DOORS. SEAL ALL HOLES OR GAPS AROUND PIPES ENTERING BUILDING.
7. EXTERIOR DOORS SHALL BE RODENT PROOF WITH NO OPENINGS GREATER THAN 1/4 INCH.
8. PROVIDE HARDWOOD, METAL, FORMICA OR OTHER APPROVED MATERIALS, SMOOTH WITH SEALER ON ALL TABLE, COUNTERS, SHELVES, AND OTHER FOOD CONTACT SURFACES.
9. PROVIDE HAZARDOUS SUBSTANCE LOCATION: SEPARATE CABINET, ROOM OR DESIGNATED AREA FOR STORAGE OF PESTICIDE AND CLEANING COMPOUNDS.
10. INSTALL EQUIPMENT TO FACILITATE CLEANING. PLACE FLOOR MOUNTED UNITS ON CASTERS, MINIMUM SIX (6) INCHES HIGH, ROUND, METAL LEGS, OR SEAL IN POSITION ON MINIMUM FOUR (4) INCH CURB.
11. UNPACKAGED PROCESSED FOODS ON DISPLAY SHALL BE EFFECTIVELY SHIELDED OR COVERED.
12. PROVIDE SOAP AND TOWEL DISPENSERS AT ALL HAND WASHING SINKS.
13. FLOOR SINKS SHALL BE INSTALLED FLUSH WITH FLOOR AND READILY ACCESSIBLE FOR CLEANING.
14. GREASE INTERCEPTORS SHALL BE INSTALLED READILY ACCESSIBLE FOR CLEANING.
15. PROVIDE PROTECTIVE COVERS ON ALL LIGHTS IN FOOD PREPARATION, OPENED FOOD STORAGE ROOM(S), UTENSIL WASH AREAS, OR USE SHATTERPROOF BULBS.
16. LIGHTING REQUIREMENTS:
    -MINIMUM 50FT. CANDLES REQUIRED IN FOOD PREP AREA
    -MINIMUM 20FT. CANDLES REQUIRED IN RESTROOMS AND BARS
    -MINIMUM 10FT. CANDLES REQUIRED IN REFRIGERATORS
    -MINIMUM 10FT. CANDLES REQUIRED IN STORAGE AREAS
    -LIGHTING SHALL BE SHATTERPROOF OR SHIELDED
17. EXISTING FIXTURES, FINISHES, AND EQUIPMENT SHALL BE IN OPERABLE CONDITION AND SUBJECT TO FIELD APPROVAL.
18. WALLS & CEILING IN THE RESTROOMS, PREPARATION, STORAGE, AND JANITORIAL AREAS SHALL BE CONSTRUCTED OF APPROVED MATERIALS SO AS TO BE SMOOTH, WASHABLE, AND EASY TO CLEAN.

APPLICABLE CODE: 2019 CBC 02/05/2020

FOODSERVICE EQUIPMENT COMPONENT ANCHORAGE NOTE

ALL FOODSERVICE COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CORD.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THEN 400 POUNDS AND HAVING A CENTER MASS 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTIONS SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP☒ MD☐ PP☒ E☒ Option 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP☐ MD☐ PP☐ E☐ Option 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #_____.

FOODSERVICE SHEET INDEX

FS1.1 - FOODSERVICE EQUIPMENT FLOOR PLAN
FS2.1 - FOODSERVICE EQUIPMENT PLUMBING PLAN
FS3.1 - FOODSERVICE EQUIPMENT ELECTRICAL PLAN
FS4.1- FOODSERVICE EQUIPMENT MECHANICAL PLAN
FS6.1 - FOODSERVICE EQUIP. WALK-IN DETAILS
FS7.1 - FOODSERVICE EQUIPMENT REMOTE REFRIGERATION
FS8.1 - FOODSERVICE EQUIPMENT DETAILS

FLOOR LEGEND

SYMBOL/ABBREVIATION	DESCRIPTION
OFCI	OWNER FURNISH / CONTRACTOR INSTALLED
OFOI	OWNER FURNISH / OWNER INSTALLED
FSEC	FOODSERVICE EQUIPMENT CONTRACTOR
VFVI	VENDER FURNISH / VENDER INSTALLED
(E), EXIST	EXISTING FOODSERVICE EQUIPMENT
(F)	FUTURE FOODSERVICE EQUIPMENT
	BUILDING WALLS (SEE ARCH. DWGS.)
	WALK-IN COOLER/ FREEZER INSULATED WALLS
C	COLUMN GRIDS WITH COLUMN INDICATORS

SYMBOL	DESCRIPTION
	OUTLINE OF FOODSERVICE EQUIPMENT
	FOODSERVICE EQUIPMENT BELOW EQUIPMENT TOP
FS.01	SHEET NUMBER
1	ITEM NUMBER SYMBOL (SEE EQUIPMENT SCHEDULE FOR DESCRIPTION)
KITCHEN 1	ROOM/ AREA NAME AND ROOM NUMBER
48x18	STORAGE SHELVING SIZES (Width x Length)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-116292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
SCOTT L. HENRY
C-22922
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

FOODSERVICE EQUIPMENT FLOOR PLAN

CONSULTANT

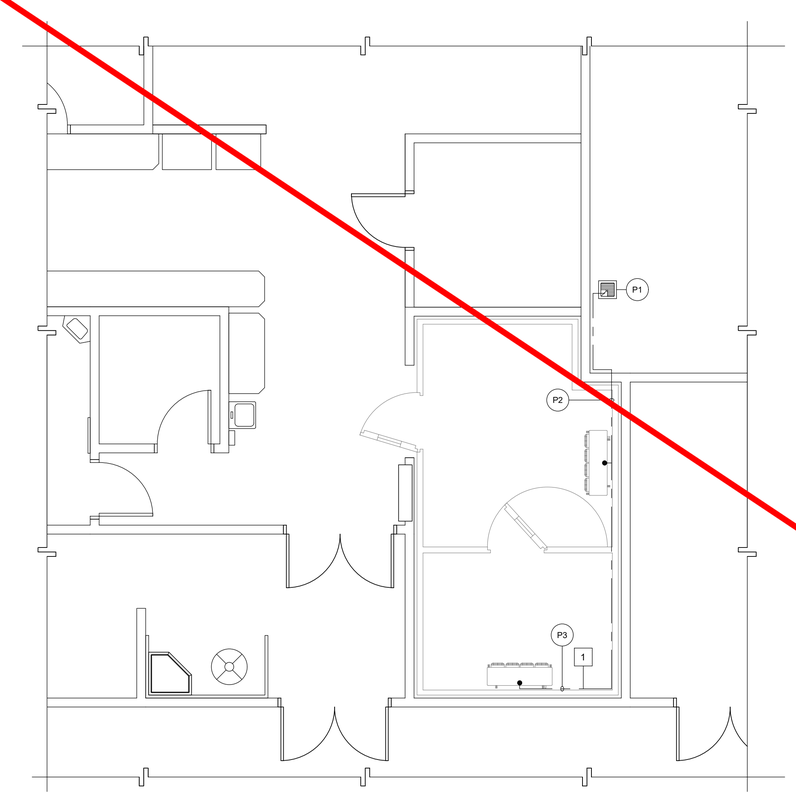
AMD FOODSERVICE DESIGN

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE FS1.1.DWG		
UPDATED 2/07/23		

SHEET NO.

FS1.1

OF 115 SHEETS



FOODSERVICE EQUIPMENT PLUMBING PLAN

SCALE : 1/4" = 1'-0"

1
FS2.1

PLUMBING SCHEDULE

PLUM. NO.	ITEM. NO.	DESCRIPTION	QTY.	WATER			WASTE			GAS			REMARKS	NOTE(S)
				CONN. SIZE		HGT.@ WALL	CONN. SIZE		HGT.@ WALL	BTU/HR (x1,000)	CONN. SIZE	HGT. @ WALL		
				C.W.	H.W.		DIR.	INDIR.						
P1	-	FLOOR SINK (E)	1EA.	-	-	-	-	-	+0"	-	-	-	EXISTING FLOOR SINK	
P2	1	WALK-IN REFRIGERATOR CONDENSATE DRAIN FROM COIL CONNECT @ + 70 AFF	1EA.	-	-	-	-	1"	-	-	-	-	1" INDIRECT DRAIN TO F.S. P1. SLOPE 1/2" PER FOOT. PROVIDE 1" MIN AIR GAP AT F.S. WITH 'P' TRAP.	
P3	2	WALK-IN FREEZER CONDENSATE DRAIN FROM COIL CONNECT @ + 70 AFF	1EA.	-	-	-	-	1"	-	-	-	-	1" INDIRECT DRAIN TO F.S. P1. SLOPE 1/2" PER FOOT. PROVIDE 1" MIN AIR GAP AT F.S. WITH 'P' TRAP.	

PLUMBING NOTES

1. PLUMBING CONTRACTOR TO VERIFY ALL INCOMING SERVICE AND MAKE FINAL HOOK–UPS TO ALL APPLICABLE EQUIPMENT AND TO PROVIDE ALL PIPING, TEES, ELLS, TRAPS, FILTERS, REGULATORS, FAUCETS, ETC., UNLESS SPECIFICALLY STATED OTHERWISE.
2. ALL HORIZONTAL DIMENSIONS SHOWN ON PLAN ARE FROM FINISHED FACE OF WALL TO CENTERLINE OF STUB–OUT OR FROM CENTERLINE OF STUB–OUT TO CENTERLINE OF STUB–OUT, UNLESS NOTED OTHERWISE ON PLAN OR DETAILS.
3. (VERIFY ALL DIMENSIONS)
4. SYMBOLS NOTED +24", +48", ETC., INDICATES TO STUB–OUT OF WALL AT HEIGHT INDICATED. HEIGHT IS GIVEN FROM FINISHED FLOOR (NOT FINISHED CURB) TO CENTERLINE OF STUB–OUT. SYMBOLS INDICATED "STUB–UP" AND "STUB–DOWN" ARE TO EXTEND ABOVE FINISHED FLOOR AND/OR BELOW FINISHED CEILING AT LOCATION SHOWN.
5. PLUMBING STUBS AND CONNECTIONS SHOWN ON PLANS ARE FOR EQUIPMENT FURNISHED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR.
6. FLOOR SINKS SHOWN ARE TO BE SET FLUSHED WITH TOP OF FINISHED FLOOR. FLOOR SINKS INDICATED HALF–IN AND HALF–OUT OF EQUIPMENT TO BE SET FLUSHED WITH TOP OF FINISHED FLOOR. FLOOR SINKS LOCATED COMPLETELY WITHIN EQUIPMENT AREA TO BE SET FLUSHED WITH TOP OF FINISHED FLOOR.
7. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL REMOVABLE COVERS OR GRATES FOR ALL FULLY OR PARTIALLY EXPOSED FLOOR SINKS. GRATES TO HAVE 1/2" MAX OPENINGS WHERE DRAIN IS EXPOSED TO P.O.T OR TO PEDESTRIAN WAYS TYP.
8. PLUMBING CONTRACTOR SHALL SEAL ALL PLUMBING PENETRATIONS THROUGH WALLS, FLOORS, AND CEILINGS. WATERTIGHT AND VERMIN–PROOF.
9. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL SHUT–OFF VALVES ON ALL WATER AND GAS LINES, INCLUDING VALVES IN FIXTURES, LOCATED IN SUCH A WAY AS TO BE ACCESSIBLE WITHOUT USE OF TOOLS.
10. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL FOR ALL APPLICABLE EQUIPMENT, A TRAPPED FLOOR SINK WITH A LEGAL AIR GAP DRAIN LINE (INDIRECT WASTE) TO FLOOR SINK. INSULATE ALL DRAIN LINES FROM ICE BINS, ICE MACHINES, REFRIG. EQUIP., ETC..

FOODSERVICE PLUMBING LEGEND

ABREV./SYMB.	DESCRIPTION
C.W.	COLD WATER
H.W.	HOT WATER
DIR.	WASTE (DIRECT CONNECTION)
INDIR.	INDIRECT WASTE (AIR GAP)
LAV.	LAVATORY
W.C.	WATER CLOSET
F.S.	FLOOR SINK
P.C.	PLUMBING CONTRACTOR
G.C.	GENERAL CONTRACTOR
K.E.C.	KITCHEN EQUIPMENT CONTRACTOR
S.O.V.	SHUT OFF VALVE
GPH	GALLONS PER HOUR
PSI	POUNDS PER SQUARE INCH
(F)	DEGREES FAHRENHEIT
LOC.	LOCATE
ITEM NO.	REFER TO FS1.1 EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION
P1	PLUMBING SCHEDULE REFERENCE, REFER TO FS2.1 FOR SCHEDULE
1 1	SHEET AND/OR KEY NOTE
	FLOOR SINK
	FLOOR DRAIN
	WASTE DOWN
	GAS INLET
	WALK-IN DRAIN LINE
	I.D. DRAIN LINE

PLUMBING PLAN SHEET NOTES

1 CONDENSATE DRAINS FROM COILS TO BE FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR PROVIDE HEAT TRACE W/ INSULATION FROM COIL TO DRAIN (FREEZER)

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HENRY+ ASSOCIATES ARCHITECTS

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C-32662
12/31/23
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FOODSERVICE EQUIPMENT PLUMBING PLAN

CONSULTANT

AMD FOODSERVICE DESIGN

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SCALE AS DISPLAYED		
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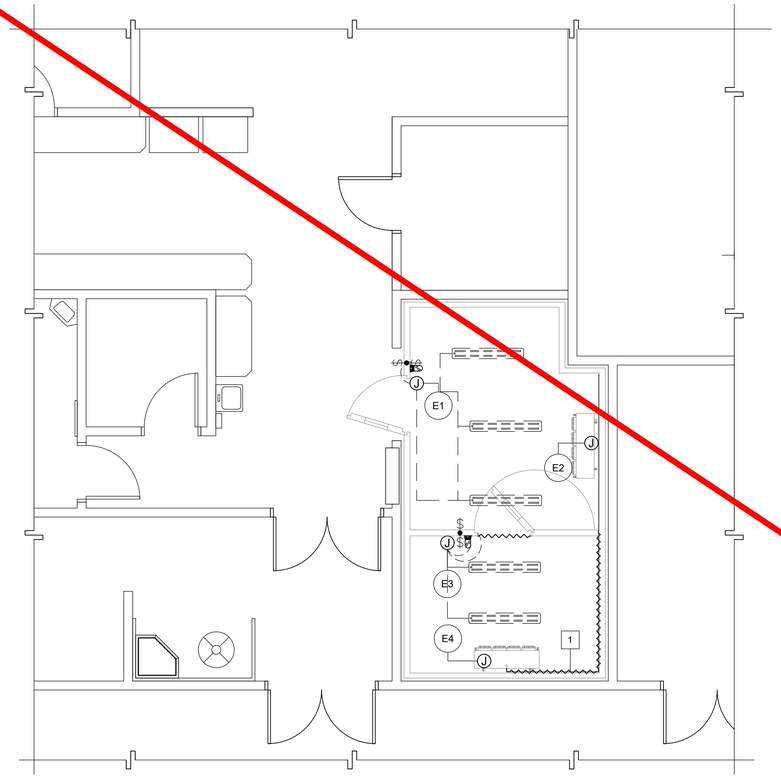
SHEET NO.

FS2.1

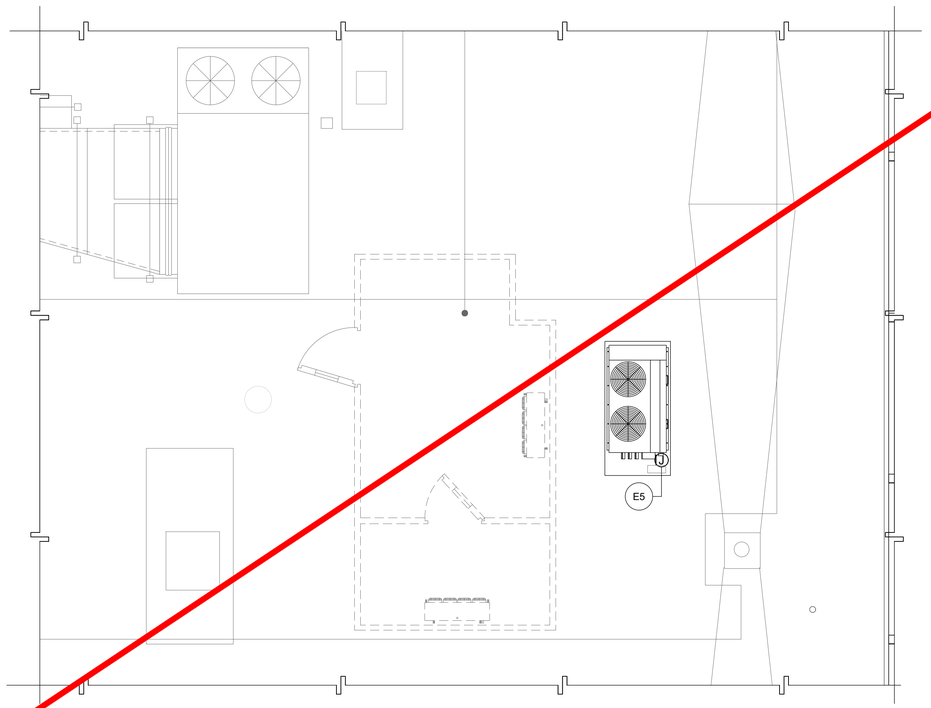
OF 115 SHEETS



FOODSERVICE EQUIPMENT ELECTRICAL PLAN

SCALE : 1/4" = 1'-0"

1 FS3.1



FOODSERVICE EQUIPMENT ELECTRICAL ROOF PLAN

SCALE : 1/4" = 1'-0"

2 FS3.1

ELECTRICAL SCHEDULE

ELEC. NO.	ITEM NO.	DESCRIPTION	QTY.	VOLT.	PH	DIRECT	PLUG	NEMA	LOAD WATT	LOAD AMPS. DRAW	LOAD HP	OUTLET HEIGHT	REMARKS	NOTE(S)
E1	1	WALK-IN REFRIGERATOR (BOX)	1EA.	120	1	X	-	-	-	4.0	-	+88"	(3) 39W LED CLG. MT'D. LIGHT FIXTURES (1) 11.5W LED LIGHT FIXTURE AT DOOR. CONTRACTOR TO PROVIDE ALL INTERCONNECTIONS.	
E2	1	WALK-IN REFRIGERATOR (COIL)	1EA.	115	1	X	-	-	-	1.6	-	+74"	CONNECT TO UNIT ELECTRICAL CONNECTION AT COIL INSIDE WALK-IN REFRIGERATOR. SEE DETAIL C/FS7.1	1
E3	2	WALK-IN FREEZER (BOX)	1EA.	120	1	X	-	-	-	5.0	-	+88"	(2) 39W LED CLG. MT'D. LIGHT FIXTURES (1) 11.5W LED LIGHT FIXTURE AT DOOR. 250W DOOR HEATER, 20W P.R.P, 100W WINDOW HEATER EC. TO PROVIDE ALL INTERCONNECTIONS.	
E4	2	WALK-IN FREEZER (COIL)	1EA.	208	1	X	-	-	-	9.8	-	+74"	CONNECT TO UNIT ELECTRICAL CONNECTION AT COIL INSIDE WALK-IN FREEZER. SEE DETAIL C/FS7.1	1 2
E5	3	REMOTE REFRIGERATION	1EA.	208	3	X	-	-	-	26.4	-	+18"	CONNECT TO DISCONNECT LOCATED ON REFRIGERATION RACK REFER TO FS7.1 REMOTE REFRIGERATION LOCATED ON BUILDING ROOF	

WALK-IN REFRIGERATION ELECTRICAL (MINIMUM REQUIREMENTS UNLESS NOTED OTHERWISE)

1. - THE ELECTRICAL CONTRACTOR SHALL INSTALL AND INTER WIRE LIGHT SWITCHES AND FIXTURES REQUIRED FOR THE FOOD SERVICE EQUIPMENT AND MAKE FINAL CONNECTIONS.
2. - THE FOOD SERVICE EQUIPMENT CONTRACTOR SHALL INSTALL THE PRESSURE RELIEF PORT, DOOR HEATERS, DRAIN LINE HEATERS AND TEMPETURE ALARM SYSTEM. INTER WIRING AND FINAL CONNECTIONS BY THE ELECTRICAL CONTRACTOR.
3. - THE ELECTRICAL CONTRACTOR SHALL INTER WIRE THE TIME CLOCK ON THE CONDENSING UNIT TO THE DEFROST RELAY ON THE UNIT EVAPORATOR LOCATED IN THE FREEZER COMPARTMENT.
4. - THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT AND WIRING NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM WITH ALL CONDUIT IN SO FAR AS POSSIBLE MOUNTED ON THE EXTERIOR CEILING OF THE WALK-IN ASSEMBLY. PENETRATIONS AND ESCUTCHEON PLATES SHALL BE FURNISHED AND INSTALLED BY THE FOOD SERVICE CONTRACTOR. FOOD SERVICE EQUIPMENT CONTRACTOR IS RESPONSIBLE FOR SEALING THE INSIDE OF CONDUITS WHICH PENETRATE THE CEILING OR WALL.

11B-308.1.1 ELECTRICAL SWITCHES: CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL LIGHTING SHALL COMPLY WITH SECTION 11B-308 EXCEPT THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX.

ELECTRICAL KEYNOTES:

1. E.C. TO INTERCONNECT FROM REMOTE REFRIGERATION SYSTEM ITEM NO. 2
2. DRAIN LINE HEATER CONNECTED TO COIL. F.S.E.C TO PROVIDE HEATER E.C TO WIRE TO COIL

ELECTRICAL PLAN LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AFF	ABOVE FINISHED FLOOR	J	JUNCTION BOX
CLG.	CEILING	P	EMPTY OCTAGONAL BOX W/ CONDUIT TO +2" ABOVE CEILING BY E.C
CONN.	CONNECT	J	STUBBED-UP JUNCTION BOX
E.C.	ELECTRICAL CONTRACTOR	$	WALL MOUNTED SWITCH BY WALK-IN MFG. +45" AFF
FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR		VAPOR-PROOF LED FIXTURE PROVIDED BY F.S.E.C. INSTALLED BY E.C.)
G.C.	GENERAL CONTRACTOR		
P.R.P.	PRESSURE RELIEF PORT		
S.F.	STAINLESS STEEL FABRICATOR		
M.C.	MECHANICAL CONTRACTOR		
LOC.	LOCATE		
ITEM NO.	REFER TO FS1.1 EQUIPMENT SCHEDULE		
E1	ELECTRICAL SCHEDULE REFERENCE, REFER TO FS3.2 FOR SCHEDULE		
1 1	SHEET AND/OR KEY NOTE		
	VAPOR-PROOF LIGHT FIXTURE AT WALK-IN PROVIDED BY F.S.E.C. INSTALLED BY E.C.)		

ELECTRICAL SHEET NOTES

1 ELECTRIC HEAT TRACE SPIRALED TAPED AND INSULATED CONNECTED AT COIL BY F.S.E.C REFER E/FS7.1

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FOODSERVICE EQUIPMENT ELECTRICAL PLAN

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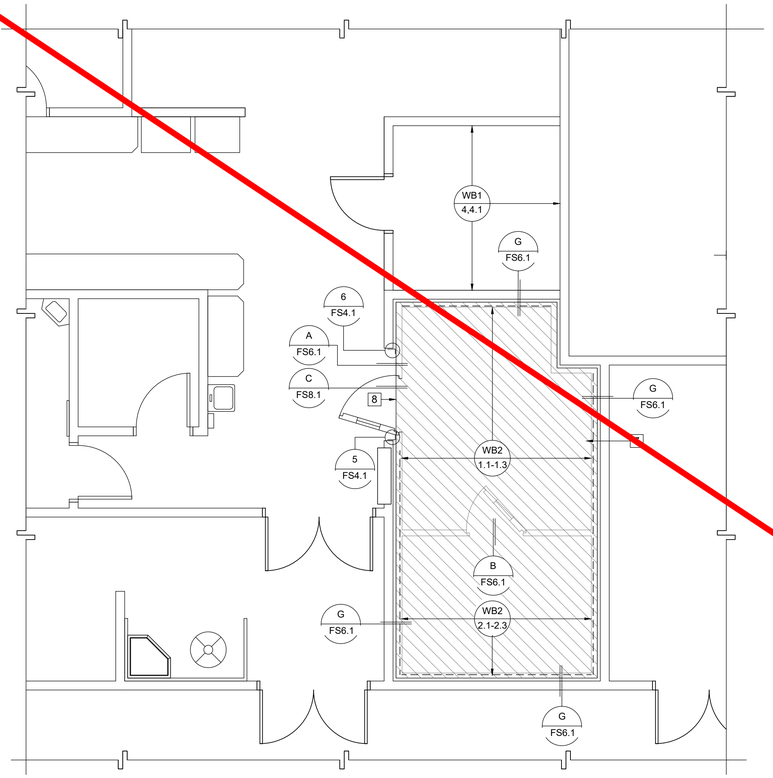
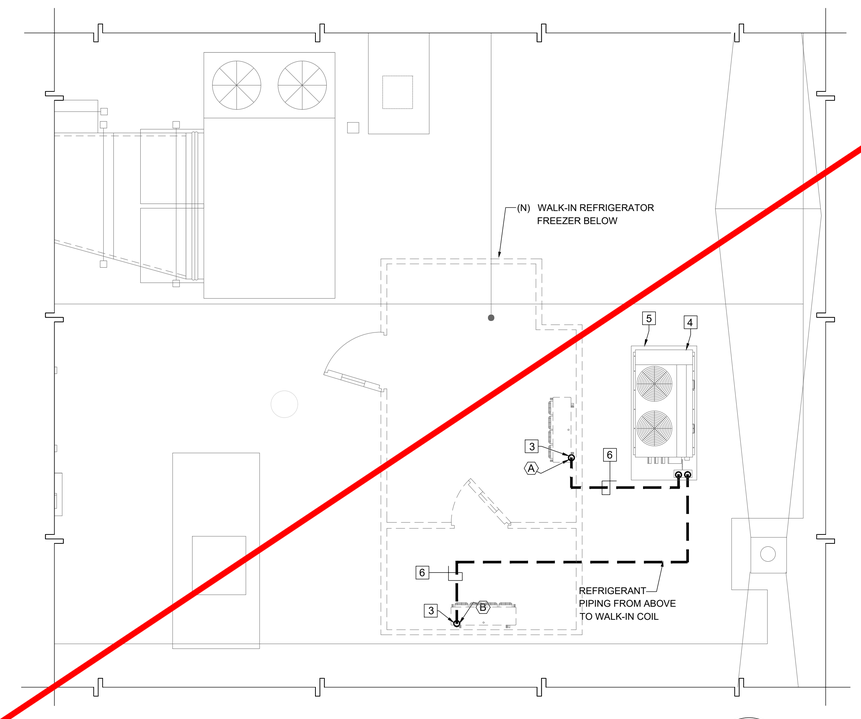


FOODSERVICE EQUIPMENT MECHANICAL PLAN

SCALE : 1/4" = 1'-0"

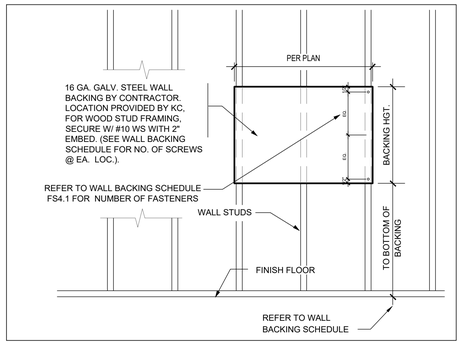
1 FS4.1



FOODSERVICE EQUIPMENT MECHANICAL ROOF PLAN

SCALE : 1/4" = 1'-0"

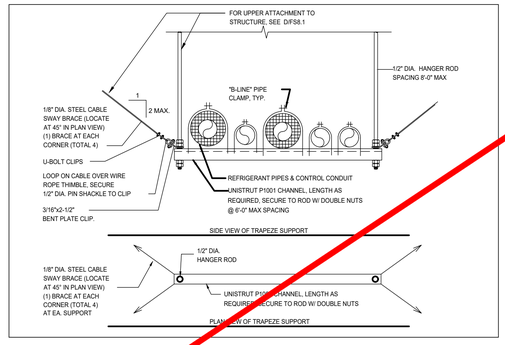
2 FS4.1



WALL BACKING DETAIL

SCALE : NONE

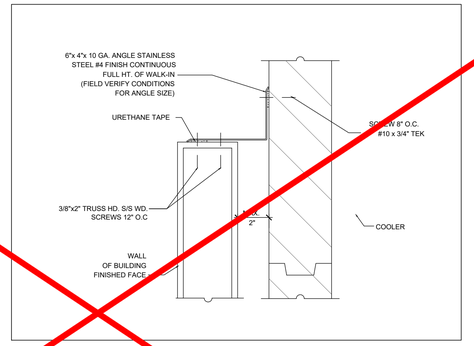
3 FS4.1



TYPICAL TRAPEZE SUPPORT

SCALE : NONE

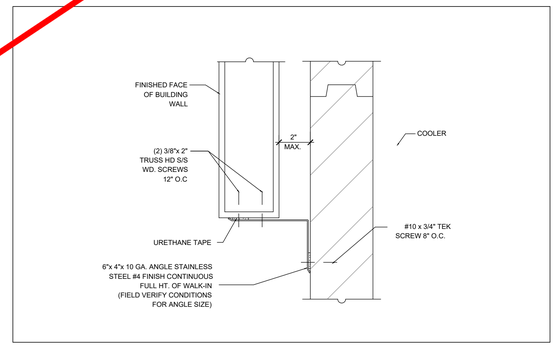
4 FS4.1



CLOSURE TRIM

SCALE : NONE

5 FS4.1



CLOSURE TRIM

SCALE : NONE

6 FS4.1

WALL BACKING SCHEDULE

	APPLICATION	BOTTOM OF BACKING	BACKING HGT.	FASTENERS PER STUD	ANCHORAGE DETAIL
WB1 4.4.1	DRY STO. SHELVING	+57"AFF	12" HIGH	2	A/FS8.1
WB2 2.1-2.3	COLD STO. SHELVING	+69"AFF / +16"AFF	12" HIGH	2 PER POST BRACKET	B/FS8.1

NOTES:

1. BACKING TO BE 16 GAUGE GALV. STEEL
2. REFER TO 1/FS4.1 FOR WALL BACKING LOCATIONS
3. DRY STO. SHELVING, FASTEN SHELVING TO BACKING WITH #14 SMS.
4. COLD STO. SHELVING, 18GA G.I. STRAP FOAMED IN WALL BY MANUFACTURER. FASTEN SHELVING TO STRAP WITH #14 SMS.

FOODSERVICE MECHANICAL LEGEND

ABREV./SYMB.	DESCRIPTION	ABREV./SYMB.	DESCRIPTION
F.S.E.C	FOODSERVICE EQUIPMENT CONTRACTOR	1	KEYNOTE SYMBOL (SEE SHEET NOTES FS4.1)
M.C.	MECHANICAL CONTRACTOR		
S.F.	STAINLESS STEEL FABRICATOR		CONCRETE DEPRESSION
G.C.	GENERAL CONTRACTOR		
E.C.	ELECTRICAL CONTRACTOR	# / # — TYPE / ITEM	BLOCKING TYPE REFER TO FS4.1
_ _ _ _	FOAMED-IN WALL BACKING BY WALK-IN MANUFACTURER		

WALL BACKING NOTES

1. - WALL BACKING TO BE 16 GAUGE GALV. STEEL IN LENGTH AND HEIGHT AS SHOWN ON DRAWINGS.
2. - ALL WALL BACKING TO BE IN FURNISHED AND INSTALLED BY CONTRACTOR
3. - FOOD SERVICE EQUIPMENT CONTRACTOR IS TO FURNISH CONTRACTOR WITH DETAILED DRAWINGS SHOWING ALL WALL BACKING LOCATION AND SIZE.
4. - WALL BACKING AS SHOWN IS MINIMUM, EXTEND BACKING TO NEXT STUD EACH DIRECTION AS NECESSARY

REFRIGERATION LINE NOTES

CONTRACTOR TO VERIFY REMOTE REFRIGERATION LINE RUN LENGTH IF LINES EXCEED 150FT THEN OIL SEPARATORS TO BE BE ADDED PER MANUFACTURER RECOMMENDATIONS

MECHANICAL SHEET NOTES

1. SPARE
2. SPARE
3. REFRIGERATION LINES STUB-DOWN FROM ABOVE, PENETRATE CEILING OF WALK-IN TO EVAP COIL. SEE DETAIL D/FS7.1
4. REMOTE REFRIGERATION SYSTEM REFER TO A/FS7.1
5. REMOTE REFRIGERATION SYSTEM PLATFORM REFER TO/S4.1
6. REFRIGERATION LINES RUN ABOVE CEILING LINE (UNISTRUT TRAPEZE, REFER TO 4/FS4.1 EXTEND FROM REFRIGERATION RACK TO DROP-DOWN POINT ABOVE WALK-IN REFRIGERATOR / FREEZER COIL (REFRIG. LINE RUN ROUTES SHOWN ARE SCHEMATIC ONLY) REFRIGERATION LINE ROUTES WILL BE FIELD VERIFIED
7. DEPRESS SLAB THIS AREA 4" BELOW FINISH FLOOR REFER TO DETAIL A/FS6.1
8. PROVIDE STAINLESS STEEL CLOSER SKIRTING REFER TO DETAIL C/FS8.1

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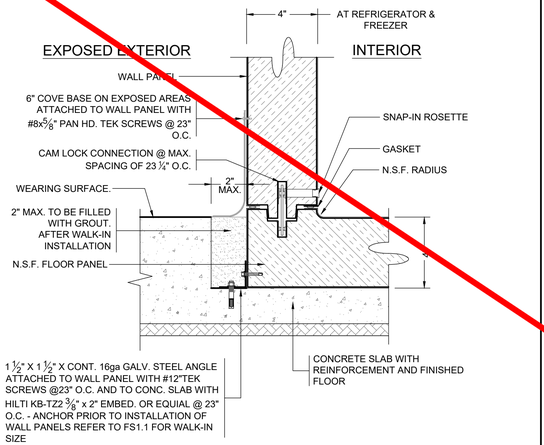
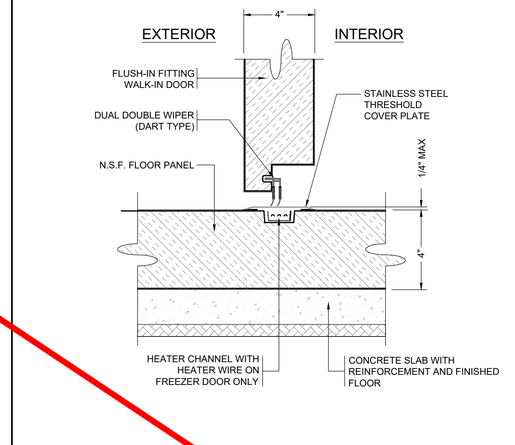
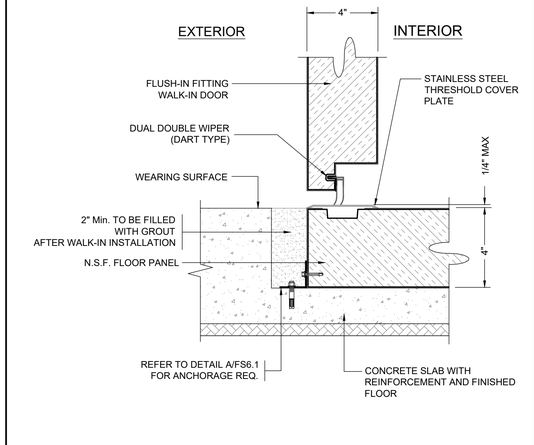


A WALL PANEL TO RECESSED PRE-FAB FLOOR



B THRESHOLD DETAIL FOR FREEZER DOOR



C THRESHOLD DETAIL FOR REFRIGERATOR DOOR

WALK-IN COOLER/FREEZER NOTES:

WALK-IN COOLER/FREEZER TYPICAL NOTES:

APPLICATION - WALK-IN COOLER/FREEZER COMBO

4" HARD NOSE TONGUE & GROOVE HIGH DENSITY URETHANE PERIMETER (CFC FREE) W/ SHT. MTL. FACING FLANGED 1/2" TO 3/4" PERIMETER OF EACH SHEET. CORNERS & T-PANELS ONE-PIECE CONSTRUCTION W/ 1/2" RADIUS AT ALL INSIDE VERTICAL CORNERS. JOINTS SEALED W/ PVC GASKET AT INT. & EXT. PERIMETER OF PANELS. PANELS RIGID CONNECTION W/ CAM-LOCK FASTENERS (WALL TO WALL: 48" O.C MAX: WALL TO CEILING: 24" O.C. MAX: WALL TO FLOOR: 24" O.C. MAX., IF APPLY)

INSULATION - 4" THICK FOAMED IN PLACE HIGH DENSITY URETHANE (CFC FREE) FILLED, OVER 90 PERCENT CLOSED CELL CONTENT. LESS THAN 25 FLAME SPREAD IN ACCORD W/ UBC STD. 42-1 (BASED ON UL 723 WHICH IS SIMILAR TO ASTM E84 THE STEINER TUNNEL TEST) AND CLASS 'A' INTERIOR FINISH IN ACCORDANCE W/ NFPA 101, SECTION 6-2 AND NFPA 255. K-FACTOR NOT TO EXCEED 0.14 BTU/HOUR/SQ. FT./°F PER INCH THICKNESS IN ACCORDANCE W/ ASTM C177 AT 75 F MEAN TEMPERATURE. UL REPORT (BLBT.R13780) FOR: SURFACE BURNING CHARACTERISTICS

FLOOR - 4" THICK FOAMED IN PLACE HIGH DENSITY URETHANE (CFC FREE) FILLED, OVER 90 PERCENT CLOSED CELL CONTENT. LESS THAN 25 FLAME SPREAD IN ACCORD W/ UBC STD. 42-1 (BASED ON UL 723 WHICH IS INTERIOR FINISH IN ACCORDANCE W/ NFPA 101, 0.14 BTU/HOUR/SQ. FT./ F PER INCH THICKNESS IN ACCORDANCE W/ ASTM C177 AT 75 F MEAN TEMPERATURE, RESULTS: FLAME SPREAD INDEX 25, SMOKE DEVELOPED INDEX 400. FLOOR TO BE HEAVY DUTY FOR CARTS AND PALLET JACKS..

FINISH - WALL INTERIOR - .040 STUCCO EMBOSSED ALUMINUM WHITE FINISH
WALL EXTERIOR (EXPOSED TO KITCHEN) 22GA. STAINLESS STEEL - TYPE 304, #4 FINISH
WALL EXTERIOR (UNEXPOSED) - 26GA. STUCCO EMBOSSED GALVANIZED STEEL
CEILING INTERIOR - .040 STUCCO EMBOSSED ALUMINUM WHITE FINISH
FLOOR INTERIOR - WEARING SURFACE TO BE .1875 ALUM. TREAD PLATE W/ MIN. 1/2" RADIUS COVED UP ALL INTERIOR WALLS TO A HT. OF 6"

DOOR/S -

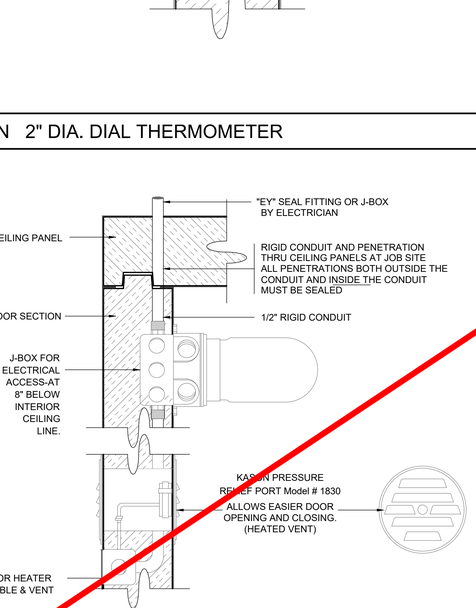
1EA.	42" X 80"		COOLER, FLUSH IN-FITTING DOOR W/ MAGNETIC GASKET
	INTERIOR -		22GA. STAINLESS STEEL - TYPE 304, #4 FINISH
	EXTERIOR -		22GA. STAINLESS STEEL - TYPE 304, #4 FINISH
	DEAD BOLT -		NONE
	HANDLE -	K27	W/ INSIDE SAFETY RELEASE & DEAD BOLT LATCH
	HINGES -	(2) K1245	(1) K1248 -SPRING LOADED
	CLOSER -		RACK & PINION
	HEATER CABLE -		NONE
	VISION PANEL -		14" x 24" (NON-HEATED)
	INT KICKPLATES -		42" HIGH, DIAMOND TREAD PLATE ALUMINUM
	EXT KICKPLATES -		42" HIGH, DIAMOND TREAD PLATE ALUMINUM
	JAMB GUARDS -		INT., 48" HIGH, DIAMOND TREAD PLATE ALUMINUM
1EA.	42" x 80"		FREEZER, FLUSH IN-FITTING DOOR W/ MAGNETIC GASKET
	INTERIOR -		22GA. STAINLESS STEEL - TYPE 304, #4 FINISH
	EXTERIOR -		22GA. STAINLESS STEEL - TYPE 304, #4 FINISH
	DEAD BOLT -		NONE
	HANDLE -	K27	W/ INSIDE SAFETY RELEASE & DEAD BOLT LATCH
	HINGES -	(2) K1245	(1) K1248 -SPRING LOADED
	CLOSER -		RACK & PINION
	HEATER CABLE -		(4) SIDES OF DOOR OPENING
	VISION PANEL -		14" x 24" (HEATED)
	INT KICKPLATES -		42" HIGH, DIAMOND TREAD PLATE ALUMINUM
	EXT KICKPLATES -		42" HIGH, DIAMOND TREAD PLATE ALUMINUM
	JAMB GUARDS -		INT., 48" HIGH, DIAMOND TREAD PLATE ALUMINUM
	THRESHOLD -		THRESHOLD COVER OVER HEATER WIRE

ACCESSORIES -
- 4 EA. INT, EXT 3-WAY PRESS SWITCH MOTION SENSOR LIGHT SWITCH, WITH EXT. INDICATING RED LIGHT-FLUSH MTD
- 2 EA. MULTI-MONITOR & AUTOMATIC MODULARM #75LC HI/LO DIGITAL TEMP ALARM W/BATTERY LIGHT CONTROL BACK-UP, REMOTE NOTIFICATION DRY CONTACTS, AUTO LIGHT CONTROL INCLUDING INSIDE ILLUMINATED SWITCH W/PANIC ALARM FEATURE & SENOR LINE (120V, 30MA) ON WALL FACING KITCHEN, PROVIDE SIGN AT EACH FOR COOLER AND FREEZER
- 4 EA. VAPOR PROOF LIGHT FIXTURE KASON #1806 - SHIPPED LOOSE
- 4 EA. LED LIGHT FIXTURE KASON #1810L 48" LONG VAPORPROOF LED FIXTURE WITH TWO 5000K COLOR TEMP. 18W LED LAMPS (120V, 36W)
- 1 EA. HEATED AIR VENT (FREEZER ONLY) - KASON #1832 HI-FLOW 2-WAY HEATED VALVE (120VAC)
- 2 EA. VINYL STRIP CURTAINS SHALL BE OF THE NSF APPROVED KASON EASY-MOUNT SYSTEM SERIES #401SA606 #401SA606 WITH SINGLE PIECE EXTRUSION CHANNEL.
- 1 EA. ROW OF ALUMINUM HAT STYLE BUMPER RAILS ON EXPOSED EXTERIOR (SHIPPED LOOSE)

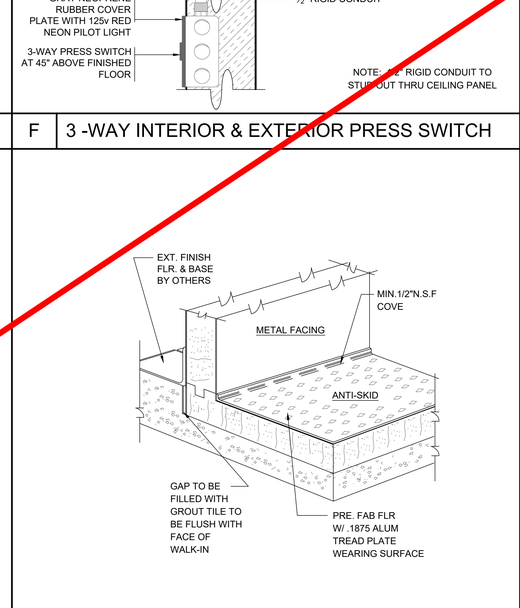
CLOSURES -
- 1 LOT INT. COVED BASE - (TO MATCH INT. WALL PANEL FINISH)
- 1 LOT EXPOSED EXT. COVED BASE - (TO MATCH EXT. WALL PANEL FINISH)
- 1 LOT WALL CLOSURES - (TO MATCH EXT. WALL PANEL FINISH)
- 1 LOT CEILING ENCLOSURES - (TO MATCH EXT. WALL PANEL FINISH)

WALK-IN REFRIG/FREEZER WT=8.5LBS PER SQ.FT. FOR 4" PANELS OVERALL DIMENSIONS, REFER TO 1/FS1.1

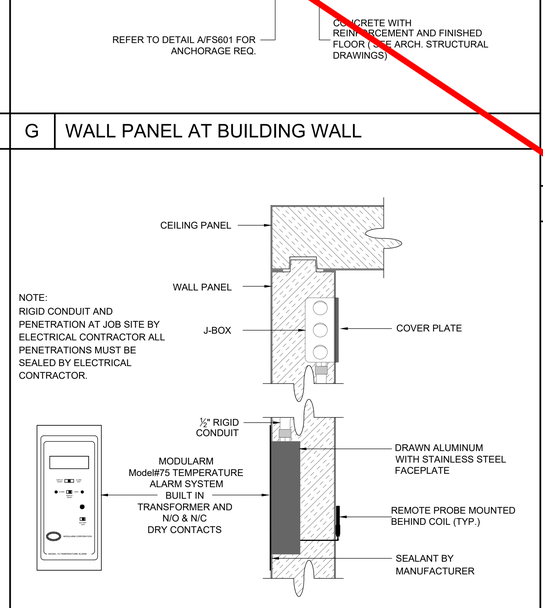
D TYPICAL SPECIFICATIONS



E N 2" DIA. DIAL THERMOMETER



F 3 -WAY INTERIOR & EXTERIOR PRESS SWITCH

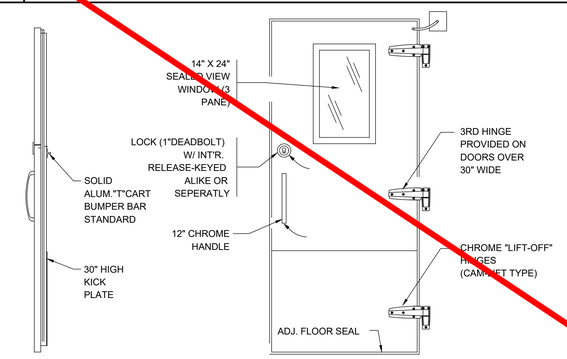


G WALL PANEL AT BUILDING WALL

H PRESSURE RELIEF PORT MODEL # 1830 DETAIL

I FLOOR SECTION AT EXT. AND INT. OF REF/FREEZER

J MODULARM CORP. MODEL 75 DETAIL



WALK-IN DOOR DETAIL FLUSH TYPE

NOTE: FREEZER DOORS HAVE 115V. HEATED VISION PANELS AND ENTIRE EXTERIOR FACE OF DOOR

K DOOR DETAIL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-116292 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEVEN L. HENRY
No. C-22292
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

FOODSERVICE EQUIP. WALK-IN DETAILS

CONSULTANT
AMD FOODSERVICE DESIGN

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE FS6.1.DWG		
UPDATED 2/07/23		

SHEET NO.
FS6.1
OF 115 SHEETS

A FS7.1 REFRIGERATION RACK OUTLINE DRAWING

MINI-PAK MODEL: MPL-2

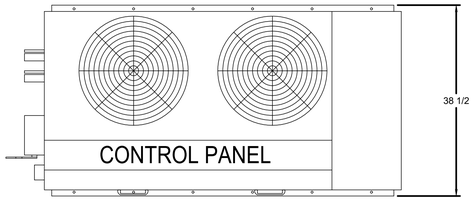
MEA

NOTES:

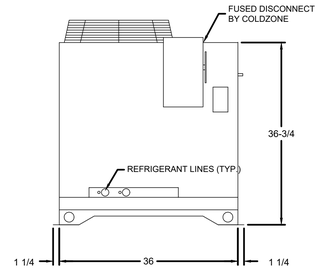
1. UNIT WEIGHT 581 LBS.
2. INSTALLATION CLEARANCE REQUIRES 3 FT. ON ALL SIDES.

REFRIGERANT LINE SEQUENCE FACING UNIT

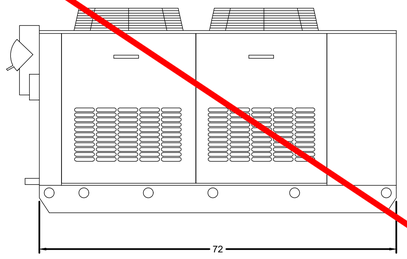
A	B



TOP VIEW



LEFT SIDE VIEW



FRONT VIEW

COLDZONE ENGINEERING SUMMARY

POWER SUPPLY: 208-230V/3PH/60HZ — FUSE SIZE: 35 AMPS

CONNECTED LOAD: 26.4 AMPS — MINIMUM AMPACITY: 28.7 AMPS

IDENT SYSTEM	IDENT ITEM	FIXTURES DESCRIPTION	FIXT.°F FIXT.	FIXT.°F SUCT.	REFRIG. R-	COMPRESSORS MODEL NO.	H.P.	ELECTRICAL CHARACTERISTIC AT 60 HZ RLA	V	PH	MBH. AT 105°F	EVAPORATOR COILS DEFROST *	QUANTITY	MODEL NO.	MFR. / REMARKS	FAN 1PH AMP	V	HEATER AMP	V	PH	LINE SIZES ROUTE +	SUCTION	LIQUID	ACCESSORIES DEFROST OPTION NO.	CRANKCASE HEATER	HEAD PRESS. CTRL.	FURNISHED BY (SEE CODE) TSTAT	SOLVALL	TXV EEV
A	1	WALK-IN COOLER	35	25	448A	ZS11KAE	1.5	9.3	208	3	11.6	T	1	CL6A094ADA	COLDZONE	1.6	115				S	7/8	1/2	KE2 DD	FI	FI		FI	
B	2	WALK-IN FREEZER	-10	-20	448A	ZF09K4E	3.0	8.7	208	3	8.7	E	1	CL6E077DDA	COLDZONE	1.0	208	9.8	208	1	S	1 1/8	3/8	KE2 DD	FI	FI		FI	FI
MINI MAX PACK		(2) CONDENSER FAN MOTORS					3/4	6.8	208	3																			

SYSTEM ITEM NO: 3 — LEGEND: * T-AIR E-ELECTRIC G-GRAVITY(W/TIMER); O-OFF-CYCLE E*-DEFROST CLOCK BY FIXTURE MFR — + S-SINGLE M-MAIN B-BRANCH — REFRIGERATION CONTRACTOR TO VERIFY LINE SIZES WITH JOB SITE CONDITIONS — MFR- FURNISH WITH FIXTURE; FI-CZ TO FURNISH AND SHIP LOOSE; FI-ES TO FURNISH AND INSTALL ON UNIT; FI-FURNISH AND INSTALL BY REF. CONTRACTOR

NOTES:

- EACH COMPRESSOR SYSTEM IS SUPPLIED WITH A CRANKCASE HEATER AND HEAD PRESSURE CONTROL
- REFRIGERATION SYSTEM INCLUDES A MAIN–FUSED DISCONNECT SWITCH
- ALL EVAPORATOR COILS WILL REQUIRE POWER FROM A HOUSE CIRCUIT
- EVAPORATOR FAN MOTORS ARE PROVIDED WITH HIGH EFFICIENCY EC MOTORS
- LIQUID LINE KIT WITH SEALED FILTER/DRIER AND SIGHT GLASS WITH MOISTURE INDICATOR
- ALL COMPRESSORS AND CONDENSER CIRCUITS ARE SIZED TO OPERATE AT 105°F AMBIENT
- PIPE SIZES ARE BASED ON A MAXIMUM LINE RUN OF 100 EQUIVALENT FEET (INCLUDES 45 FT. RISER)

REFRIGERATION SYSTEM ELECTRICAL SCHEDULE / POWER SUPPLIED BY ELECTRICAL CONTRACTOR					
ITEM NO.	QTY.	DESCRIPTION	VOLTAGE/PH	AMPS	MCA	MOPD
	1	COLDZONE REFRIGERATION RACK	208V/3PH	26.4	28.7	35.0
1	1	W/I COOLER #1 COLDZONE EVAPORATOR COIL	115V/1PH	1.6	15.0	20.0
2	1	W/I FREEZER #1 COLDZONE EVAPORATOR COIL	208V/1PH	9.8	15.0	20.0

*EC TO BRING POWER TO EACH OF THE COLDZONE ITEMS LISTED IN ELECTRICAL SCHEDULE

ENGINEERING GUIDE TO SPECIFICATION FOR REMOTE REFRIGERATION PACKAGE MINI–PAK REFRIGERATION SYSTEM

THE REFRIGERATION PACKAGE SHALL BE A PRE–ENGINEERED AND FACTORY ASSEMBLED UNIT, TRADE NAME "MINI–PAK", AS MANUFACTURED BY COLDZONE, A DIVISION OF HEAT TRANSFER PRODUCTS GROUP, 1933 VINEYARD AVE. ONTARIO, CA 91761. PHONE: (909) 786–3655, FAX: (714) 529–8503.

CONTRACTOR SHALL FURNISH AND INSTALL, WHERE SHOWN ON PLANS, (1) COLDZONE U.L. APPROVED "MINI–PAK".

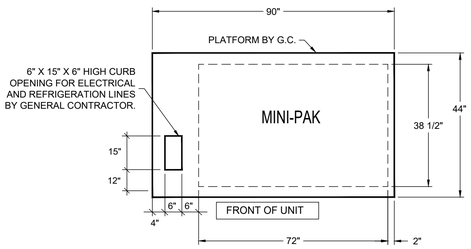
1. MINI–PAK REFRIGERATION SYSTEM
   THE ENTIRE UNIT IS TO BE WEATHER–PROOFED AND MINIMUM OF TWO COATS OF PAINT SHALL BE APPLIED TO MAKE THE UNIT RUST–PROOF. THE UNIT SHALL BE PROVIDED WITH MULTI–CIRCUITED AIR–COOLED CONDENSER FOR COOLER, FREEZER AND ICE MACHINES. SUCTION LINE FOR LOW TEMPERATURE UNIT MUST BE INSULATED WITH ARMAFLEX.
2. REFRIGERATION UNITS
   A. CRANKCASE HEATER SHALL BE PROVIDED WITH EVERY COMPRESSOR.
   B. AIR–COOLED CONDENSING UNITS SHALL BE SEMI–HERMETIC, HERMETIC OR GLACIER SCROLL TYPE (COPELAND). EACH UNIT SHALL BE EQUIPPED WITH HIGH–LOW PRESSURE CONTROL, LIQUID LINE DRIER, SIGHT GLASS, SUCTION AND DISCHARGE VIBRATION ELIMINATOR, AND HEAD PRESSURE CONTROL.
   C. ALL COMPRESSOR UNITS SHALL BE NEW AND FACTORY ASSEMBLED TO OPERATE WITH THE REFRIGERANT SPECIFIED IN THE ENGINEERING SUMMARY SHEET.
3. PRE–PIPING
   A. ALL COPPER TUBING TO BE REFRIGERANT GRADE A.C.R. OR TYPE "L".
   B. ALL TUBING SHALL BE SECURELY SUPPORTED AND ANCHORED WITH CLAMPS.
   C. ALL REFRIGERANT LINES SHALL BE EXTENDED TO ONE SIDE OF THE PACKAGE IN A NEAT AND ORDERLY MANNER.
   D. SILVER SOLDER AND/OR SIL–FOS SHALL BE USED FOR ALL REFRIGERANT PIPING. SOFT SOLDER IS NOT ACCEPTABLE.
   E. ALL PIPING TO BE PRESSURE TESTED WITH NITROGEN AT 300 PSI. AFTER THE CONDENSING UNIT AND COIL HAVE BEEN CONNECTED, THE BALANCE OF THE SYSTEM SHALL BE LEAK TESTED WITH ALL VALVES OPEN.
4. CONTROL PANEL
   A. THE PACKAGE SHALL HAVE FACTORY MOUNTED AND PRE–WIRED CONTROL PANEL COMPLETE WITH INTERLOCKED MAIN FUSED DISCONNECT, COMPRESSOR CIRCUIT BREAKERS, CONTACTORS AND TIME CLOCKS WIRED FOR SINGLE POINT POWER CONNECTION.
   B. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL MAIN POWER LINES TO PANEL, AND USE WIRE HARNESS WIRING FOR CONTROL AND DEFROST HEATER BETWEEN THE DEFROST CLOCK AND THE REFRIGERATION FIXTURES, ALL IN ACCORDANCE WITH THE WIRING DIAGRAM AND LOCAL CODES.

GENERAL NOTES

1. GENERAL CONTRACTOR
   A. CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND COORDINATE WITH OTHER TRADES.
   B. GENERAL CONTRACTOR SHALL PREPARE AND WEATHERPROOFING THE PLATFORM AND CURBED OPENINGS.
2. REFRIGERATION CONTRACTOR
   A. THE COMPLETE SYSTEM SHALL BE EVACUATED WITH VACUUM PUMP.
   B. ALL COPPER TUBING TO BE REFRIGERANT GRADE A.C.R. OR TYPE "L".
   C. CHARGE, TEST, AND ADJUST EACH UNIT TO BE IN AN OPERATIONAL SYSTEM.
   D. SILVER SOLDER AND/OR SIL–FOS SHALL BE USED FOR ALL REFRIGERANT PIPING. SOFT SOLDER IS NOT ACCEPTABLE
   E. ALL PIPING TO BE PRESSURE TESTED WITH NITROGEN AT 300 PSI. AFTER THE CONDENSING UNIT AND COIL HAVE BEEN CONNECTED, THE BALANCE OF THE SYSTEM SHALL BE LEAK TESTED WITH ALL VALVES OPEN.
   F. REFRIGERATION CONTRACTOR TO PROVIDE AND INSTALL DRAIN LINE HEATER IN FREEZER TO BE CONNECTED BY ELECTRICAL CONTRACTOR
3. ELECTRICAL CONTRACTOR
   A. ELECTRICAL CONTRACTOR TO PROVIDE POWER FROM REFRIGERATION PACKAGE AND CONNECT CONTROL AND DEFROST SYSTEM AS CALLED FOR IN THE WIRING DIAGRAM.
   B. ALL ELECTRICAL WIRING AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE WIRING DIAGRAM AND LOCAL CODES.
4. PLUMBING CONTRACTOR
   A. PLUMBING CONTRACTOR TO PROVIDE HARD A.C.R. OR TYPE "L" COPPER DRAIN LINES FOR WALK–IN REFRIGERATOR AND FREEZER, PITCHED 1/4" PER FOOT OF RUN. IN FREEZER, UNHEATED DRAIN LINE MUST BE OUTSIDE OF FREEZER WALL TO PREVENT FREEZING. TRAP DRAIN LINE OUTSIDE OF REFRIGERATED SPACE TO AVOID ENTRANCE OF WARM AND MOIST AIR.
   B. PLUMBING CONTRACTOR TO PROVIDE INDIVIDUAL DRAIN LINE FOR EACH EVAPORATOR UNLESS OTHERWISE CALLED FOR.
   C. ALL PLUMBING INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL CODES.
5. SLEEVE SIZE
   A. CONTRACTOR TO PROVIDE SLEEVE SIZE WHICH SHALL BE 2" LARGER FOR PIPE DIA. <=3.5" AND 4" LARGER FOR PIPE DIA >=4" PER NFPA 13, ITEM 9.3.4.2

NOTE USED

B FS7.1 SUGGESTED PLATFORM SIZE

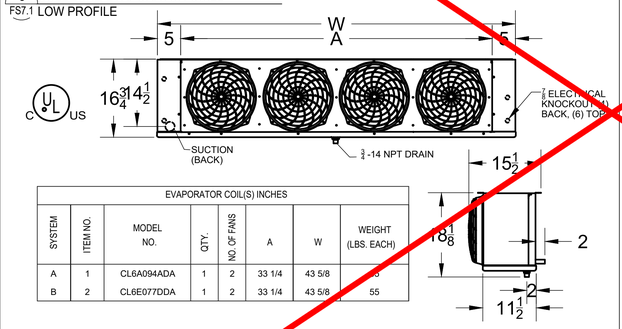


REFER TO 10/S4.1 FOR PLATFORM DETAIL

G.C. NOTES

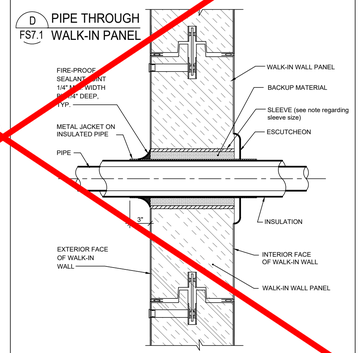
1-PLATFORM TO BE INSTALLED LEVEL.
2-PROVIDE SHEETMETAL HAT SECTION WITH WATER TIGHT SOLDERED JOINTS.
3-BACK FILL OPENING WITH HOT PITCH AFTER INSTALLATION.

C FS7.1 COLDZONE EVAPORATOR COILS LOW PROFILE

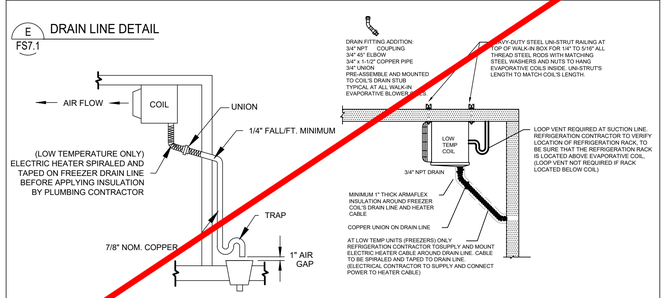


EVAPORATOR COIL(S) INCHES							
SYSTEM	ITEM NO.	MODEL NO.	QTY.	NO. OF FANS	A	W	WEIGHT (LBS. EACH)
A	1	CL6A094ADA	1	2	33 1/4	43 5/8	55
B	2	CL6E077DDA	1	2	33 1/4	43 5/8	55

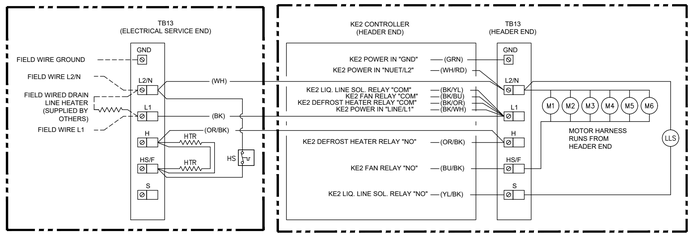
D FS7.1 PIPE THROUGH WALK-IN PANEL



E FS7.1 DRAIN LINE DETAIL



F FS7.1 KE2 DEMAND DEFROST WIRING DIAGRAM



NOTES:

1. USE COPPER CONDUCTORS ONLY
2. UNIT MUST BE GROUNDED
3. FOR MOTOR AND HEATER AMPS SEE RATING ON OUTSIDE OF UNIT. ALSO SHOWN IN REFRIGERATION SCHEDULE ABOVE.
4. FREEZER EVAPORATOR COIL(S) ARE POWERED DIRECTLY FROM BUILDING CIRCUIT BREAKER PANEL. NO INTER-WIRING REQUIRED BETWEEN COLDZONE CONTROL PANEL AND EVAPORATOR COIL(S).

LEGEND:

HS - HEATER SAFETY
HTR - DEFROST HEATER
LLS - LIQUID LINE SOLENOID
M1 TO M6 - FAN MOTOR
KE2 - REFERS TO ELECTRONIC CONTROLLER CONNECTIONS

WIRING: ——— FACTORY WIRED ------ FIELD WIRING BY EC

HTPG
ColdZone
1933 VINEYARD AVE. ONTARIO, CA 91761
(909) 786-3655 (714) 529-8503 FAX

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-116292 INC: 01
REVIEWED FOR
ADA ☑ FLS ☑ ACS ☑
DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212
HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT C-22622 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

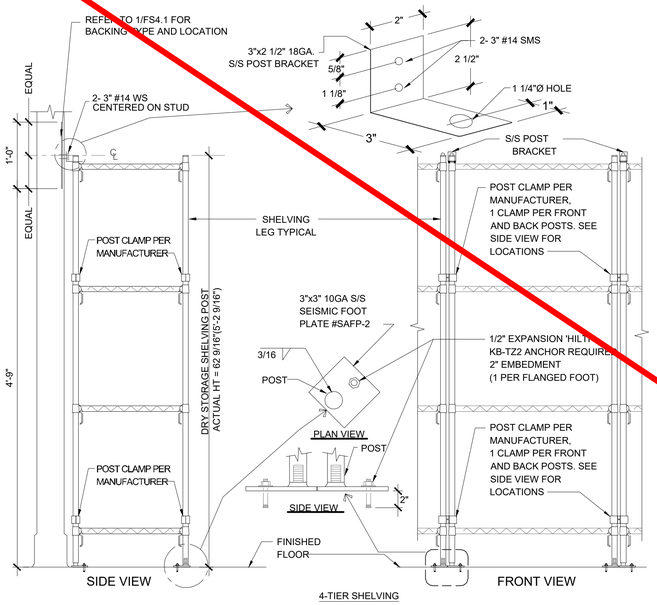
FOODSERVICE EQUIPMENT
REMOTE REFRIGERATION

CONSULTANT
AMD FOODSERVICE DESIGN

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN CS		
CHECKED SLH		
SCALE AS DISPLAYED		
CADFILE FS7.1.DWG		
UPDATED 2/07/23		

SHEET NO. FS7.1

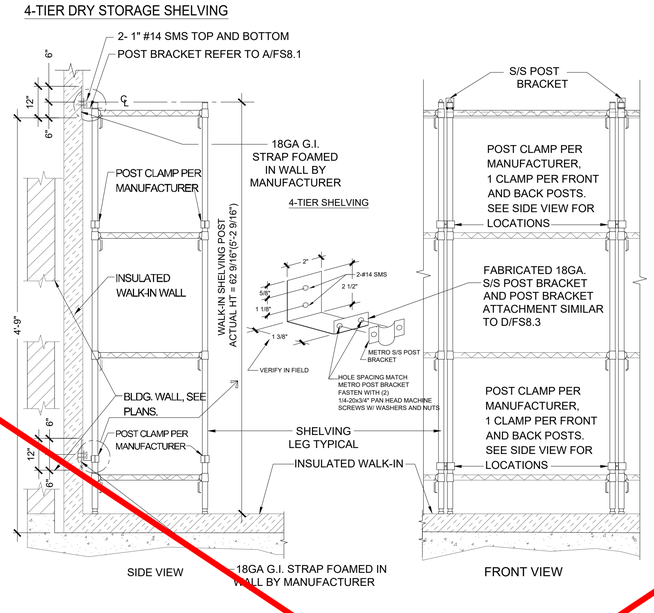
OF 115 SHEETS



NOTE:

1. S/S POST BRACKET TO BE LOCATED ON TOP SHELF AT REAR POST AS SHOWN.
2. FOR SIZE AND LOCATION OF DRY STORAGE SHELVING, SEE 1/FS1.1

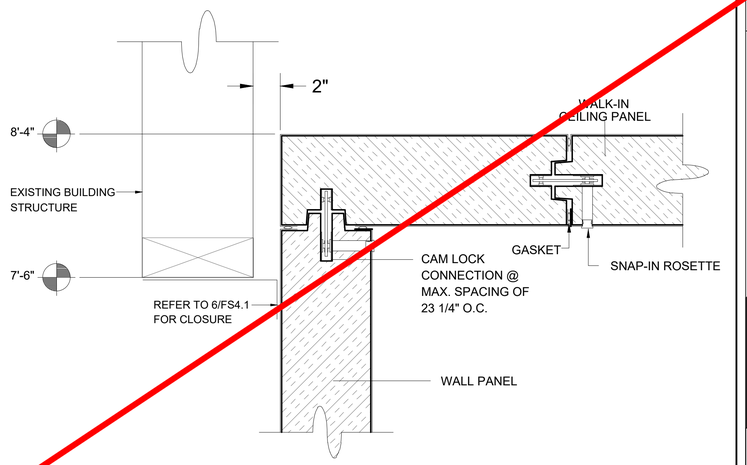
A | DRY STORAGE SHELVING ATTACHMENT | NTS



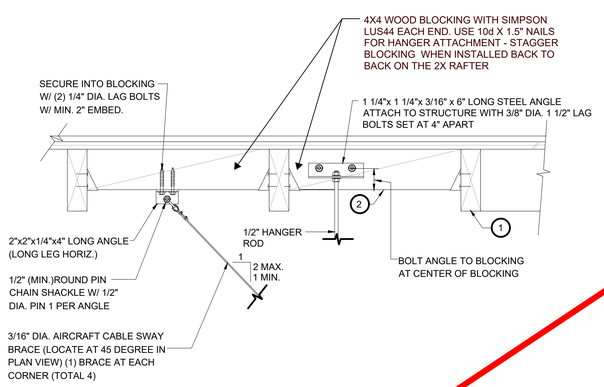
NOTE:

1. S/S POST BRACKET TO BE LOCATED ON TOP SHELF AT REAR POST AS SHOWN.
2. FOR SIZE AND LOCATION OF WALK-IN COOLER/FREEZER SHELVING, SEE 1/FS1.1

B | COLD STORAGE SHELVING ATTACHMENT | NTS



C | NEW OPENING IN WALL | NTS



TRAPEZE SUPPORT

REFER TO 1/FS4.1 FOR TRAPEZE DETAIL

1. (E) STRUCTURAL JOIST
2. (N) MIN 4"x6" BLOCKING W/ SIMPSON U46 HANGER EACH END TYP

D | TYP. UPPER ATTACHMENT | NTS

E | SPARE | NTS

F | SPARE | NTS

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Sacramento, CA 95825
Phone: 916.921.2112
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HENRY+ ASSOCIATES ARCHITECTS

MODERNIZATION
LODI MIDDLE SCHOOL
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FOODSERVICE EQUIPMENT DETAILS

CONSULTANT

AMD FOODSERVICE DESIGN

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SHEET NO.

FS8.1

OF 115 SHEETS

GENERAL NOTES:

1. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.

811 Know what's below. Call before you dig.

2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL, IF STAKED BY OTHERS. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.

3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.

4. CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.

6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY PRE-CONSTRUCTION SITE REVIEWS TO DETERMINE NECESSARY MEANS AND METHODS TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS.

7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.

8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.

9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.

10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR 10. SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.

11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.

CIVIL ABBREVIATIONS AND LEGEND

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
ARV	AIR RELEASE VALVE
ASB	AGGREGATE SUB-BASE
BO	BLOW-OFF VALVE
BV	BUTTERFLY VALVE
BW	BACK OF WALK
C/L	CENTERLINE
CB	CATCH BASIN
CL	CLASS
CMP	CORRUGATED METAL PIPE
CATV	CABLE TELEVISION
CO	CLEANOUT
COMM	COMMUNICATION
CONC.	CONCRETE
CONST.	CONSTRUCT
CR	CURB RETURN
CS	CONCRETE SURFACE
DC	DOUBLE CHECK VALVE
DDC	DOUBLE DETECTOR CHECK VALVE
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
DS	DOWNSPOUT
E	ELECTRIC
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
FS	FIRE SERVICE LINE
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOWLINE
FM	SANITARY SEWER FORCE MAIN
FF	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
G	GAS
GB	GRADE BREAK
GR	GRATE ELEVATION
GRD	GRADE ELEVATION
GV	GATE VALVE
HB	HOSE BIBB
HBD	HEADER BOARD
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
INV	PIPE INVERT ELEVATION
JP	JOINT UTILITY POLE
LF	LINEAL FEET
LIP	LIP OF GUTTER
LT	LEFT
MS	MOWSTRIP
NTS	NOT TO SCALE
OH	OVERHEAD
PCC	PORTLAND CEMENT CONCRETE
PD	PLANTER DRAIN
PIV	POST INDICATOR VALVE
P/L	PROPERTY LINE
PP	POWER POLE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
R	RADIUS
RIM	MANHOLE RIM ELEVATION (SOLID COVER)
RP	REDUCED PRESSURE BACKFLOW PREVENTER
R/W	RIGHT OF WAY
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SG	SUBGRADE ELEVATION
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
S/W	SIDEWALK
T	TELEPHONE
TC	TOP OF CURB
TD	TRENCH DRAIN
TDCB	TRENCH DRAIN CATCH BASIN
TP	TELEPHONE POLE
TRW	TOP OF RETAINING WALL
TSW	TOP OF SEAT WALL
TW	TOP OF WALK ELEVATION
U	UTILITY
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
VCP	VITRIFIED CLAY PIPE
W	WATER
W/	WITH
W/O	WITHOUT
WV	WATER VALVE

LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

PROPOSED GRADING & DRAINAGE SYMBOLS:

- 8" SD — STORM DRAIN LINE (SIZE AND FLOW SHOWN)
- STORM DRAIN MANHOLE (SDMH)
- CATCH BASIN (CB)
- DROP INLET (DI)
- AREA DRAIN (AD)
- PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
- CO — STORM DRAIN CLEANOUT
- 99.79 — ELEVATION
- FF=100.00 — FINISHED FLOOR ELEVATION
- PAD=99.33 — BUILDING PAD ELEVATION
- CONCRETE SIDEWALK
- GRADED DIRECTION FOR DRAINAGE FLOW
- SWALE
- SLOPE
- TREE TO BE REMOVED

CIVIL SHEET INDEX

C0.1	CIVIL GENERAL NOTES AND LEGENDS
C0.2	PARTIAL TOPOGRAPHIC SURVEY
C0.3	PARTIAL TOPOGRAPHIC SURVEY
C1.1	PARTIAL CIVIL DEMOLITION PLAN
C1.2	PARTIAL CIVIL DEMOLITION PLAN
C1.3	ENGINEERED FILL PLAN
C2.1	PARTIAL GRADING PLAN
C2.2	PARTIAL GRADING PLAN
C3.1	UTILITY PLAN
C4.1	PARTIAL PAVING PLAN
C4.2	PARTIAL PAVING PLAN
C5.1	DETAILS AND SECTIONS
C5.2	CITY WATER DETAILS
C6.1	EROSION CONTROL PLAN

UTILITY VERIFICATION NOTE

PRIOR TO THE START OF CONSTRUCTION, LOCATE AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

REGISTERED PROFESSIONAL ENGINEER — ANTHONY J. TASSANO — NO. C74696 — STATE OF CALIFORNIA

FILENAME: I:\21-015\CIVIL\DWG\21-015 C0.1.DWG

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT — C-22525 — 12/31/23 RENEWAL DATE — STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

CIVIL GENERAL NOTES AND LEGENDS

CONSULTANT

WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

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UPDATED 2/07/23		

SHEET NO.

C0.1

OF SHEETS

EXISTING TOPOGRAPHY

- PROPERTY LINE
- CENTERLINE
- EASEMENT
- PROPERTY CORNER FOUND AS NOTED
- PROPERTY CORNER NOTHING FOUND OR SET
- 123 TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- SWALE OR DRAINAGE FLOW
- DRAINAGE FLOW
- FENCE (TYPE NOTED)
- TREE (SIZE/TYPE INDICATED)
- SLOPE
- 100 CONTOUR
- CONCRETE SURFACE
- EDGE OF ASPHALT
- EDGE OF BUILDING
- SIGN
- POST OR BOLLARD
- 99.9 GROUND ELEVATION
- 99.99 HARD SURFACE ELEVATION

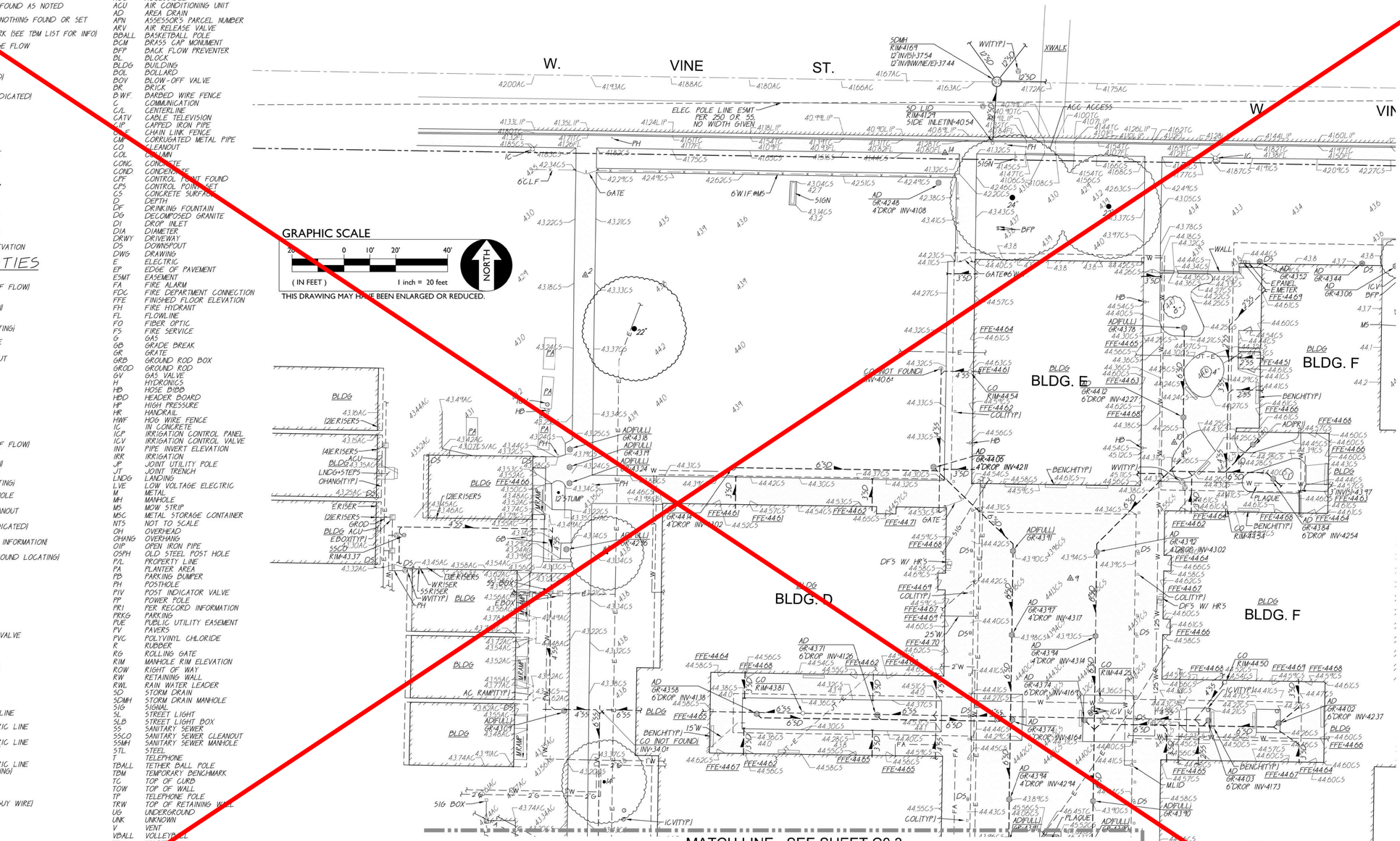
EXISTING UTILITIES

- 12"SD STORM DRAIN LINE (SIZE + DIRECTION OF FLOW)
- 12"SD STORM DRAIN LINE (RECORD INFORMATION)
- 12"SD STORM DRAIN LINE (UNDERGROUND LOCATING)
- SD STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT
- DROP INLET
- AREA DRAIN
- RWL RAIN WATER LEADER
- DS DOWNSPOUT
- 12"SS SANITARY SEWER LINE (SIZE + DIRECTION OF FLOW)
- 12"SS SANITARY SEWER LINE (RECORD INFORMATION)
- 12"SS SANITARY SEWER LINE (UNDERGROUND LOCATING)
- SS SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- —W— WATER LINE (SIZE INDICATED)
- - -W- - WATER LINE (RECORD INFORMATION)
- — -W- — WATER LINE (UNDERGROUND LOCATING)
- W WATER MANHOLE
- WATER VALVE
- WM WATER METER
- WATER BOX
- IRRIGATION CONTROL VALVE
- FIRE HYDRANT
- BACKFLOW PREVENTER
- SPRINKLER
- HOSE BIBB
- —OH-E— OVERHEAD ELECTRIC LINE
- —E— UNDERGROUND ELECTRIC LINE
- - -E- - - UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- — -E- — UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- E ELECTRIC MANHOLE
- UTILITY POLE (WITH GUY WIRE)
- EM ELECTRIC METER
- E ELECTRIC BOX
- SLB STREET LIGHTING BOX
- OR LIGHT STANDARD
- SIGNAL LIGHT
- FLOOD LIGHT
- ELECTRICAL OUTLET
- —G— GAS LINE (SIZE INDICATED)
- - -G- - - GAS LINE (RECORD INFORMATION)
- — G — GAS LINE (UNDERGROUND LOCATING)
- G GAS MANHOLE
- GAS VALVE
- GM GAS METER
- —T— TELEPHONE LINE
- - -T- - - TELEPHONE LINE (RECORD INFORMATION)
- — T — TELEPHONE LINE (UNDERGROUND LOCATING)
- TM STORM DRAIN BOX
- TS TRAFFIC SIGNAL BOX

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AC	ASPHALTIC CONCRETE
ACC	ACCESSIBLE
ACU	AIR CONDITIONING UNIT
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
ARV	AIR RELEASE VALVE
BBALL	BASKETBALL POLE
BCM	BRASS CAP MONUMENT
BFP	BACK FLOW PREVENTER
BL	BLOCK
BLDG	BUILDING
BOL	BOLLARD
BOV	BLOW-OFF VALVE
BR	BRICK
B.W.F.	BARBED WIRE FENCE
C	COMMUNICATION
C/L	CENTERLINE
CATV	CABLE TELEVISION
CIP	CAPPED IRON PIPE
C.L.F.	CHAIN LINK FENCE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
COND	CONDENSATE
CPF	CONTROL POINT FOUND
CPS	CONTROL POINT SET
CS	CONCRETE SURFACE
D	DEPTH
DF	DRINKING FOUNTAIN
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DRWY	DRIVEWAY
DS	DOWNSPOUT
DWG	DRAWING
E	ELECTRIC
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
FA	FIRE ALARM
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FL	FLOWLINE
FO	FIBER OPTIC
FS	FIRE SERVICE
G	GAS
GB	GRADE BREAK
GR	GRATE
GRD	GROUND ROD BOX
GROD	GROUND ROD
GV	GAS VALVE
H	HYDRONICS
HB	HOSE BIBB
HBD	HEADER BOARD
HP	HIGH PRESSURE
HR	HANDRAIL
HWF	HOG WIRE FENCE
IC	IN CONCRETE
ICP	IRRIGATION CONTROL PANEL
ICV	IRRIGATION CONTROL VALVE
INV	PIPE INVERT ELEVATION
IRR	IRRIGATION
JP	JOINT UTILITY POLE
JT	JOINT TRENCH
LNDG	LANDING
LVE	LOW VOLTAGE ELECTRIC
M	METAL
MH	MANHOLE
MS	MOW STRIP
MSC	METAL STORAGE CONTAINER
NTS	NOT TO SCALE
OH	OVERHEAD
OHANG	OVERHANG
OIP	OPEN IRON PIPE
OSPH	OLD STEEL POST HOLE
P/L	PROPERTY LINE
PA	PLANTER AREA
PB	PARKING BUMPER
PH	POSTHOLE
PIV	POST INDICATOR VALVE
PP	POWER POLE
PRI	PER RECORD INFORMATION
PRKG	PARKING
PUE	PUBLIC UTILITY EASEMENT
PV	PAVERS
PVC	POLYVINYL CHLORIDE
R	RUBBER
RG	ROLLING GATE
RIM	MANHOLE RIM ELEVATION
ROW	RIGHT OF WAY
RW	RETAINING WALL
RWL	RAIN WATER LEADER
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SIG	SIGNAL
SL	STREET LIGHT
SLB	STREET LIGHT BOX
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
STL	STEEL
T	TELEPHONE
TBALL	TETHER BALL POLE
TBM	TEMPORARY BENCHMARK
TC	TOP OF CURB
TOW	TOP OF WALL
TP	TELEPHONE POLE
TRW	TOP OF RETAINING WALL
UG	UNDERGROUND
UNK	UNKNOWN
V	VENT
VBALL	VOLLEYBALL
W	WATER
WI	WROUGHT IRON
WD	WOOD
WF	WOOD FENCE
WIF	WROUGHT IRON FENCE
W.R.F.	WOOD RAIL FENCE
XF	TRANSFORMER
XWALK	CROSSWALK



TBM LIST

NUMBER	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	CPS CHISELED "+"	5000.36	4999.64	44.05
2	CPS CHISELED "+"	5335.54	4999.94	43.29
3	CPS CHISELED "+"	5089.26	4953.04	43.75
4	CPS CHISELED "+" @DF	4991.33	4884.03	43.37
5	CPS CHISELED "+"	5081.09	5145.23	44.49
6	CPS CHISELED "+"	4982.71	5235.60	44.26
7	CPS CHISELED "+"	4769.49	4991.88	42.16
8	CPS CHISELED "+"	4873.59	5189.80	44.11
9	CPS CHISELED "+"	5218.49	5187.07	44.06
10	CPS CHISELED "+"	5270.94	5227.14	44.30
11	CPF BM 1222	5365.52	5378.87	42.23
12	CPS CHISELED "+"	4716.35	5373.09	41.67
13	CPS CHISELED "+"	4870.65	5374.95	41.80
14	CPS CHISELED "+"	5382.69	5138.72	41.38

BASIS OF BEARINGS:
13 P.M. 22

F.E.M.A. INFORMATION:
THE SUBJECT PROPERTY IS LOCATED IN "ZONE X (SHADED) - AREA OF 0.2% ANNUAL CHANCE FLOOD HAZARD" PER FLOOD INSURANCE RATE MAP 06077C0306F DATED OCTOBER 16, 2009

NOTE:
EXISTING UTILITIES BASED ON VISIBLE SURFACE STRUCTURES AND RECORD INFORMATION.

A.P.N.	031-040-020
BENCHMARK NO. 1222	ELEV. 42.231
SOUTHWEST CORNER HAM LANE AND VINE STREET, 8.8 FEET N/ END OF CURB OF RETURN ON HAM LANE, 0.5 FEET BEHIND BOC.	

NOTE:
TITLE EXCEPTIONS 8 AND 9 (TITLE REPORT BY PLACER TITLE COMPANY DATED APRIL 30, 2021) SHOWN AS EASEMENTS ARE NOT PLOTABLE

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT
STEPHEN J. HENRY
C-22525
12/31/23 RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

PARTIAL TOPOGRAPHIC SURVEY

CONSULTANT

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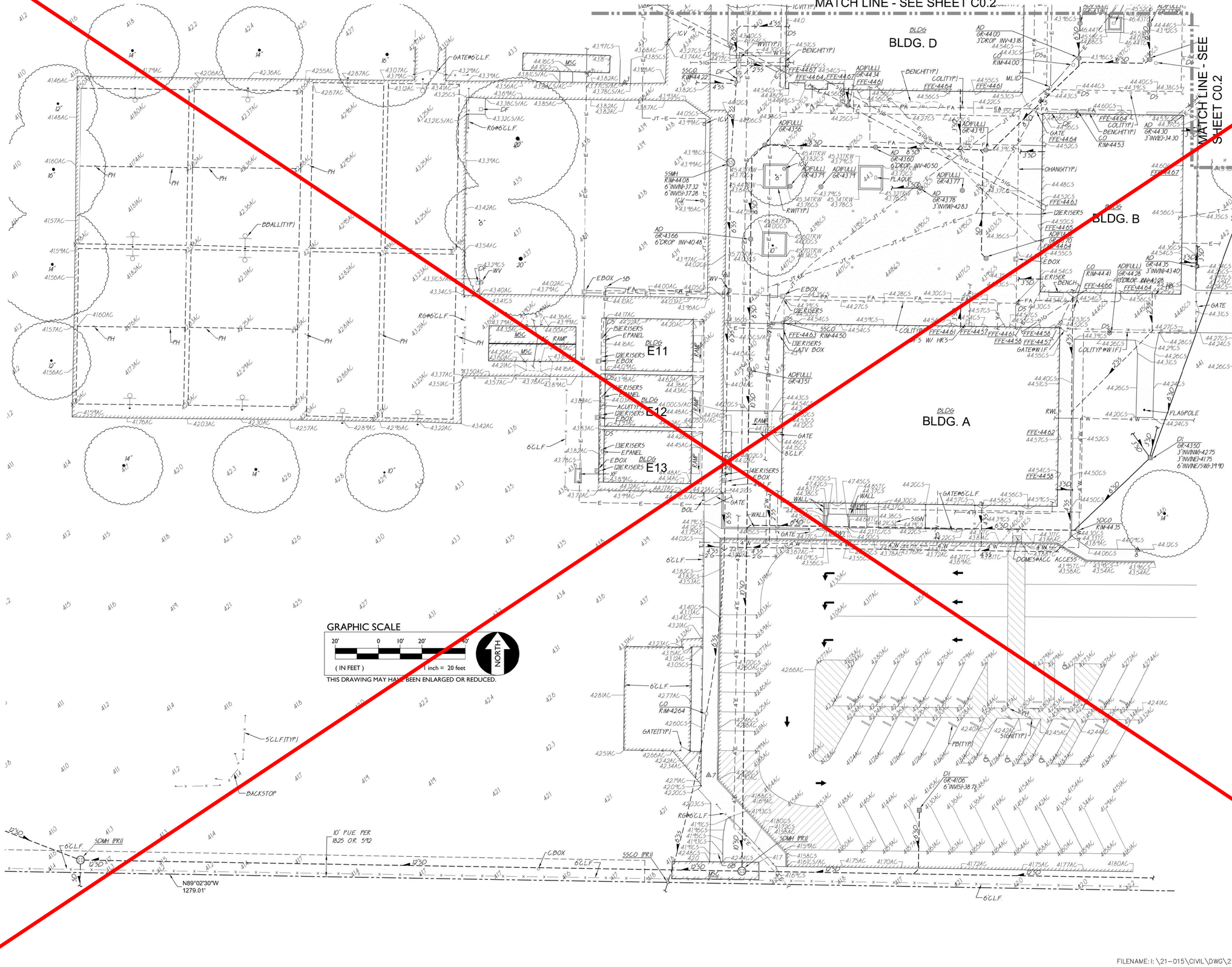
SHEET NO.
C0.2
OF SHEETS

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
CIVIL
STATE OF CALIFORNIA

FILENAME: I:\21-015\CIVIL\DWG\21-015 C0.2-C0.3.DWG



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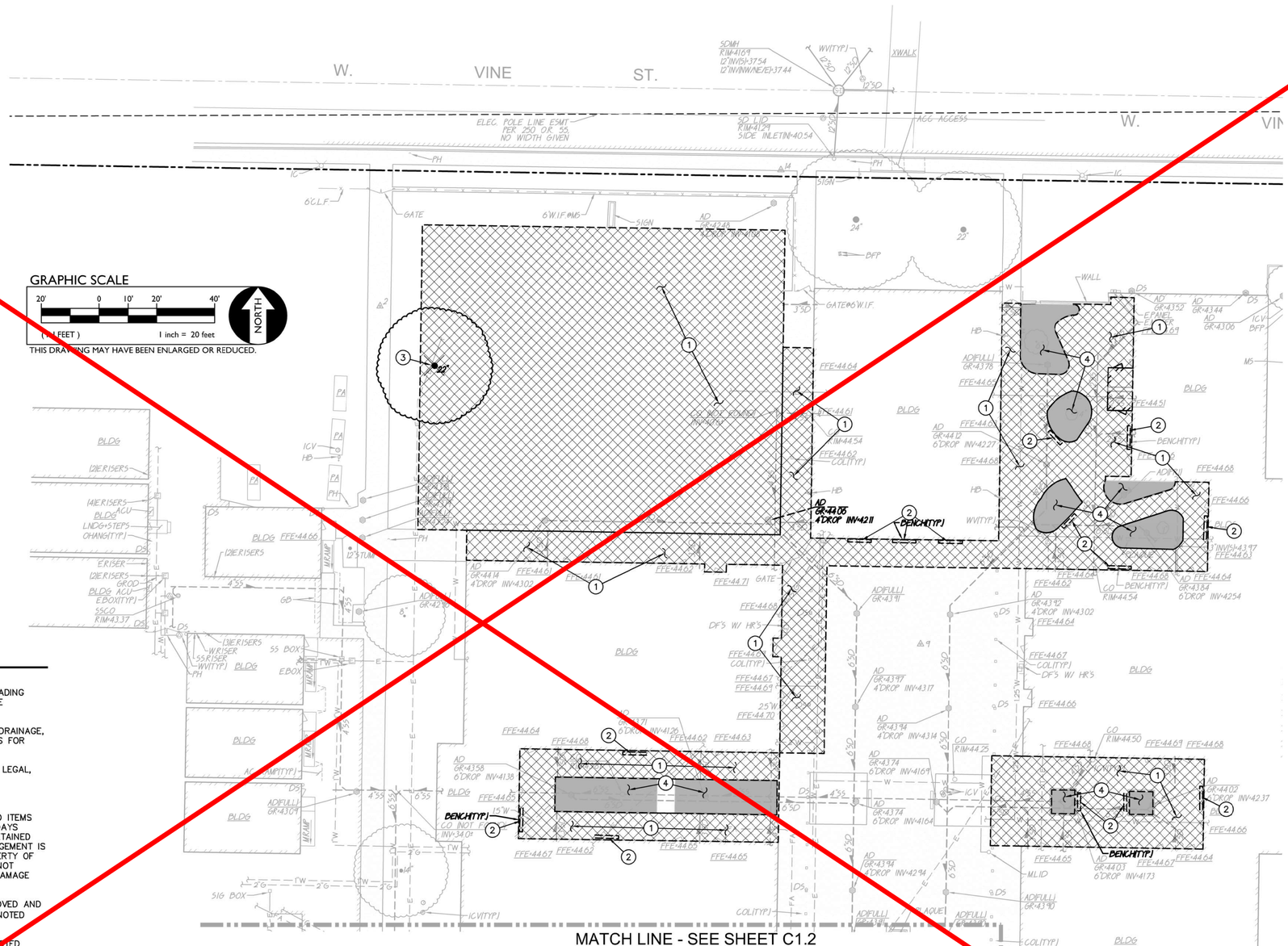
REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA

FILENAME: I:\21-015\CIVIL\DWG\21-015 C0.2-C0.3.DWG



DEMOLITION GENERAL NOTES

1. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
2. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
3. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
4. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
5. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
6. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
7. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
8. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.

CONCRETE SAWCUT NOTE

SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND THE NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.

UTILITY VERIFICATION NOTE

PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

IRRIGATION DEMOLITION NOTE

WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.

GENERAL NOTES:

1. REFER TO ARCHITECTURAL, LANDSCAPE, ELECTRICAL AND PLUMBING PLANS FOR ADDITIONAL DEMOLITION ITEMS.
2. COORDINATE REMOVAL OF LANDSCAPE ITEMS OR AREAS WITH LANDSCAPE PLANS.

DEMOLITION NOTES

1. WITHIN LIMITS SHOWN REMOVE ALL PAVEMENT, CURB, GUTTER, BASE MATERIAL AND LANDSCAPING. COORDINATE LIMITS OF REMOVAL WITH PLANS BY OTHERS. ADDITIONAL DEMOLITION ITEMS MAY BE SHOWN ON ARCHITECTURAL, ELECTRICAL AND PLUMBING PLANS.
2. REMOVE EXISTING BENCH.
3. REMOVE TREE, STUMP AND ALL ROOTS.
4. EXISTING LANDSCAPE AREAS TO REMAIN. PROVIDE PROTECTIVE FENCING AROUND EXISTING LANDSCAPING.

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LICENSED ARCHITECT ANTHONY J. TASSANO C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1)

PARTIAL CIVIL DEMOLITION PLAN

CONSULTANT

WCE
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C1.1

OF SHEETS

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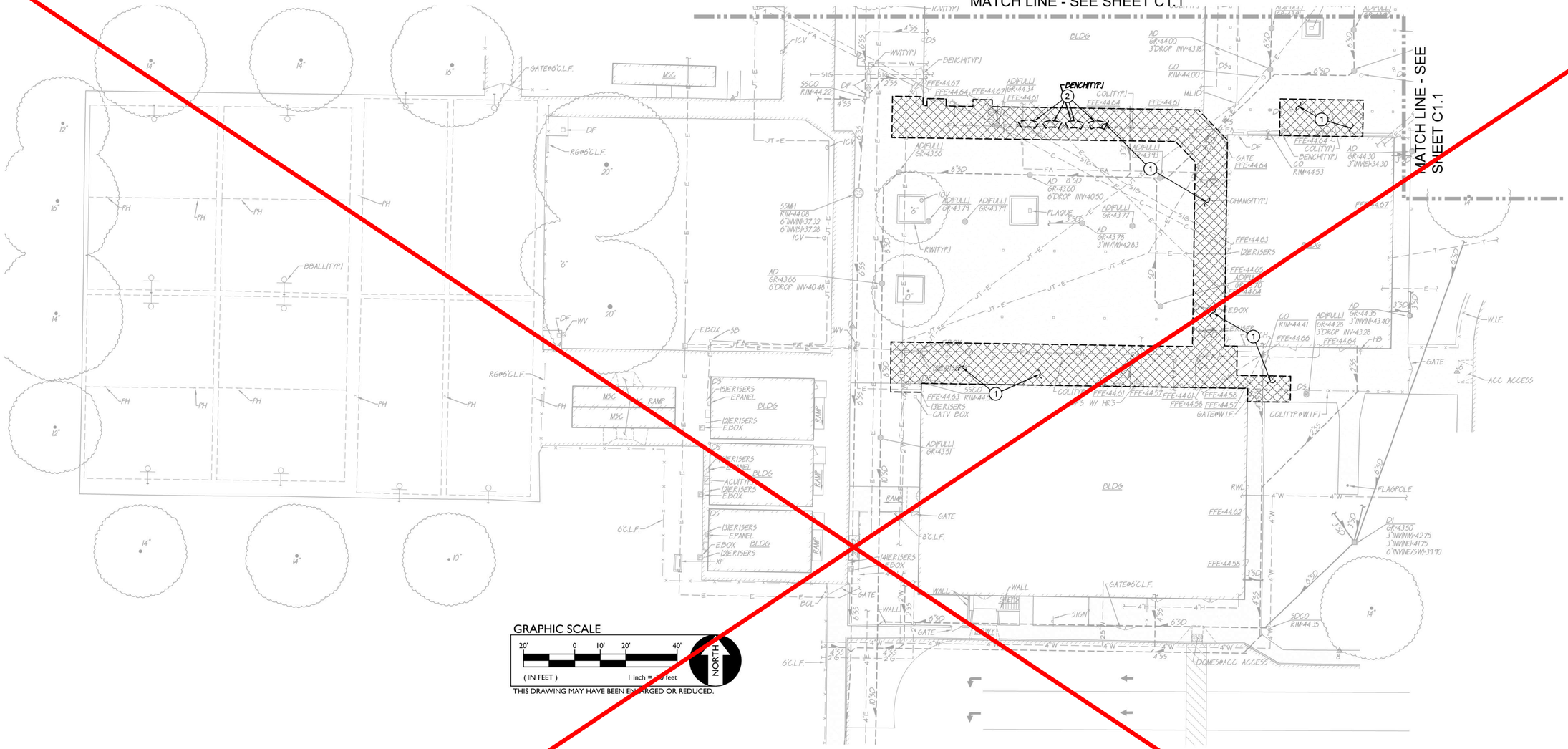

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

DEMOLITION GENERAL NOTES

1. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
2. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
3. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
4. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
5. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTEND.
6. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
7. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
8. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.

UTILITY VERIFICATION NOTE

PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

IRRIGATION DEMOLITION NOTE

WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.

GENERAL NOTES:

1. REFER TO ARCHITECTURAL, LANDSCAPE, ELECTRICAL AND PLUMBING PLANS FOR ADDITIONAL DEMOLITION ITEMS.
2. COORDINATE REMOVAL OF LANDSCAPE ITEMS OR AREAS WITH LANDSCAPE PLANS.

CONCRETE SAWCUT NOTE

SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND THE NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.

DEMOLITION NOTES

1. WITHIN LIMITS SHOWN REMOVE ALL PAVEMENT, CURB, GUTTER, BASE MATERIAL AND LANDSCAPING. COORDINATE LIMITS OF REMOVAL WITH PLANS BY OTHERS. ADDITIONAL DEMOLITION ITEMS MAY BE SHOWN ON ARCHITECTURAL, ELECTRICAL AND PLUMBING PLANS.
2. REMOVE EXISTING BENCH.

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA

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12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

PARTIAL CIVIL DEMOLITION PLAN

CONSULTANT

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WARREN CONSULTING ENGINEERS, INC.
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C1.2

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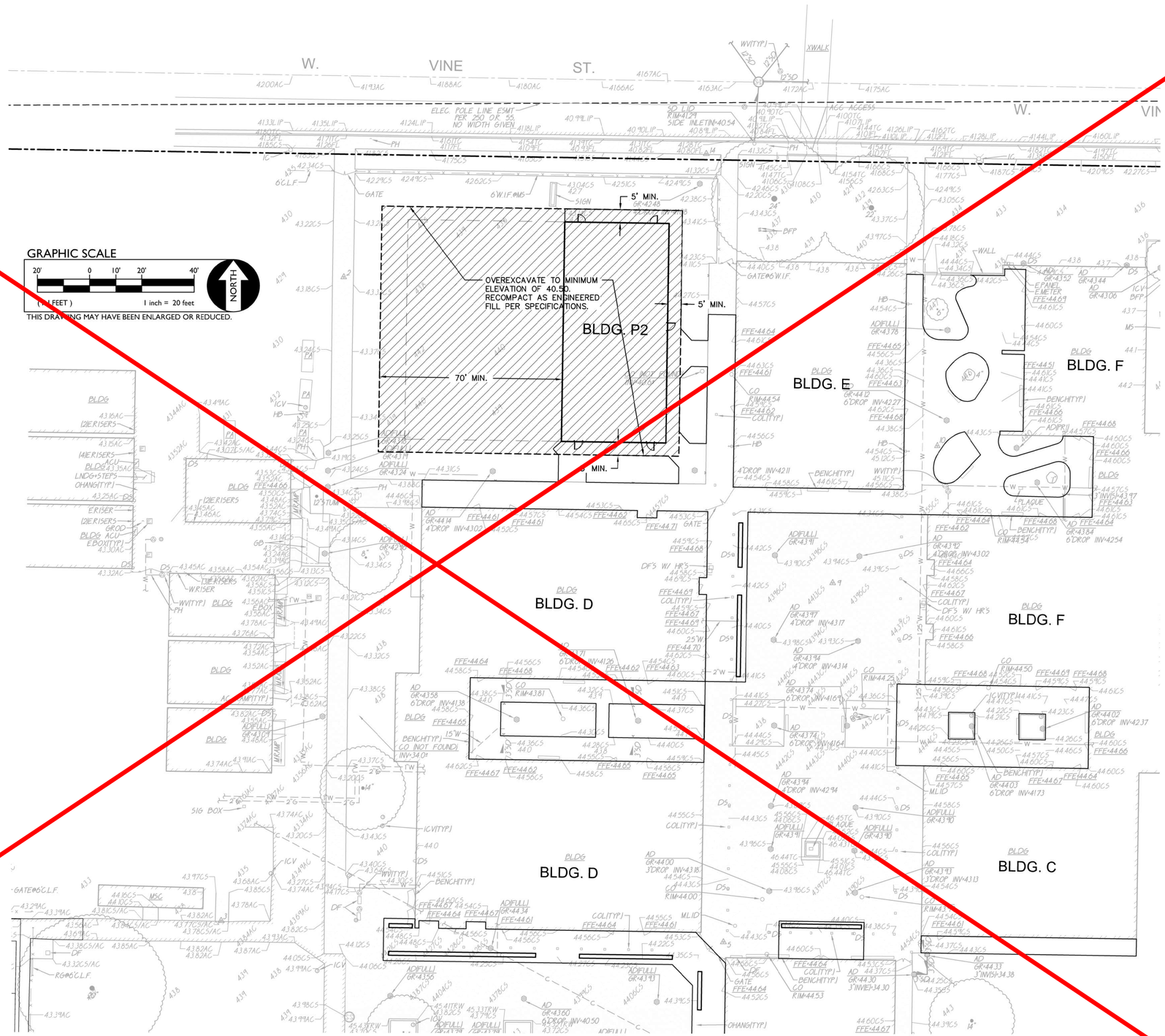

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MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1)

ENGINEERED FILL PLAN

CONSULTANT

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NO. C74696
STATE OF CALIFORNIA

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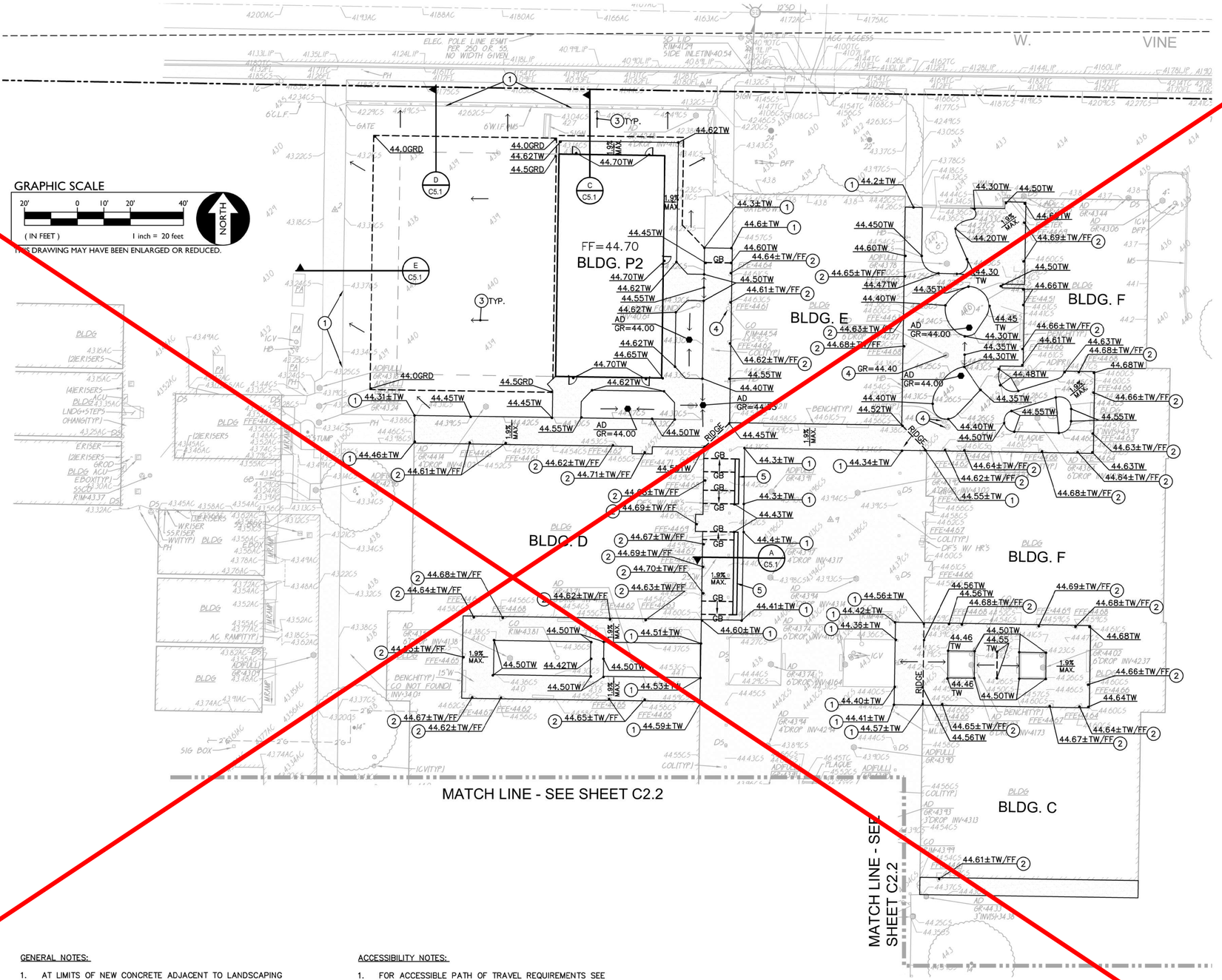

GENERAL NOTES:

1. AT LIMITS OF NEW CONCRETE ADJACENT TO LANDSCAPING PROVIDE A 4:1 MAXIMUM TRANSITION TO EXISTING GRADE WITH TOPSOIL. ADJUST EXISTING IRRIGATION HEADS TO FINISH GRADE AND PROVIDE SOD IN GRASS AREAS TO RESTORE TO EXISTING CONDITION.
2. ALL TRANSITIONS TO EXISTING PAVEMENT SHAL BE A SMOOTH AND LEVEL TRANSITION.
3. WIDTH OF NEW SIDEWALKS SHALL MATCH WIDTH OF EXISTING, ADJACENT, SIDEWALKS.
4. SEE ARCHITECTURAL PLANS FOR EXPANSION AND CONTROL JOINT LAYOUT.
5. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.
6. ALL WALKWAYS ADJACENT TO BUILDINGS ARE TO SLOPE AWAY FROM BUILDING 1% MINUMUM AND 2% MAXIMUM

ACCESSIBILITY NOTES:

1. FOR ACCESSIBLE PATH OF TRAVEL REQUIREMENTS SEE ARCHITECTURAL SHEETS.
2. PERCENT OF SLOPE SHOWN ON ARROWS ARE MAXIMUM SLOPES AND NOT INTENDED TO SUPERCEDE SLOPES DEFINED BY SPOT ELEVATIONS. 0.0% MAX.
3. WITHIN THE LIMITS OF ACCESSIBLE PARKING AREA AND ACCESSIBLE DROP OFF ZONE THE SLOPE OF PAVEMENT SHALL NOT EXCEED 1.8% IN ANY DIRECTION.
4. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 1% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;
   - CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL – 1.9%
   - DIRECTION OF TRAVEL – 4.9%
   - RAMP IN DIRECTION OF TRAVEL – 8.0%
   - PLAZA 1.9% – IN ANY DIRECTION
4. TRANSITIONS BETWEEN ASPHALT AND CONCRETE SHALL BE FLUSH UNLESS SEPARATED BY CURB OR NOTED OTHERWISE.

GRADING NOTES

1. MATCH EXISTING GRADE.
2. PROPOSED SIDEWALK ELEVATION SHALL MEET FLUSH WITH EXISTING FINISH FLOOR.
3. GRADE UNIFORMLY PER (9 / C5.1)
4. ADJUST EXISTING STRUCTURE TO FINISH GRADE.
5. CONSTRUCT SEAT WALL PER (2 / C5.1)

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MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1)

PARTIAL GRADING PLAN

CONSULTANT

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C2.1

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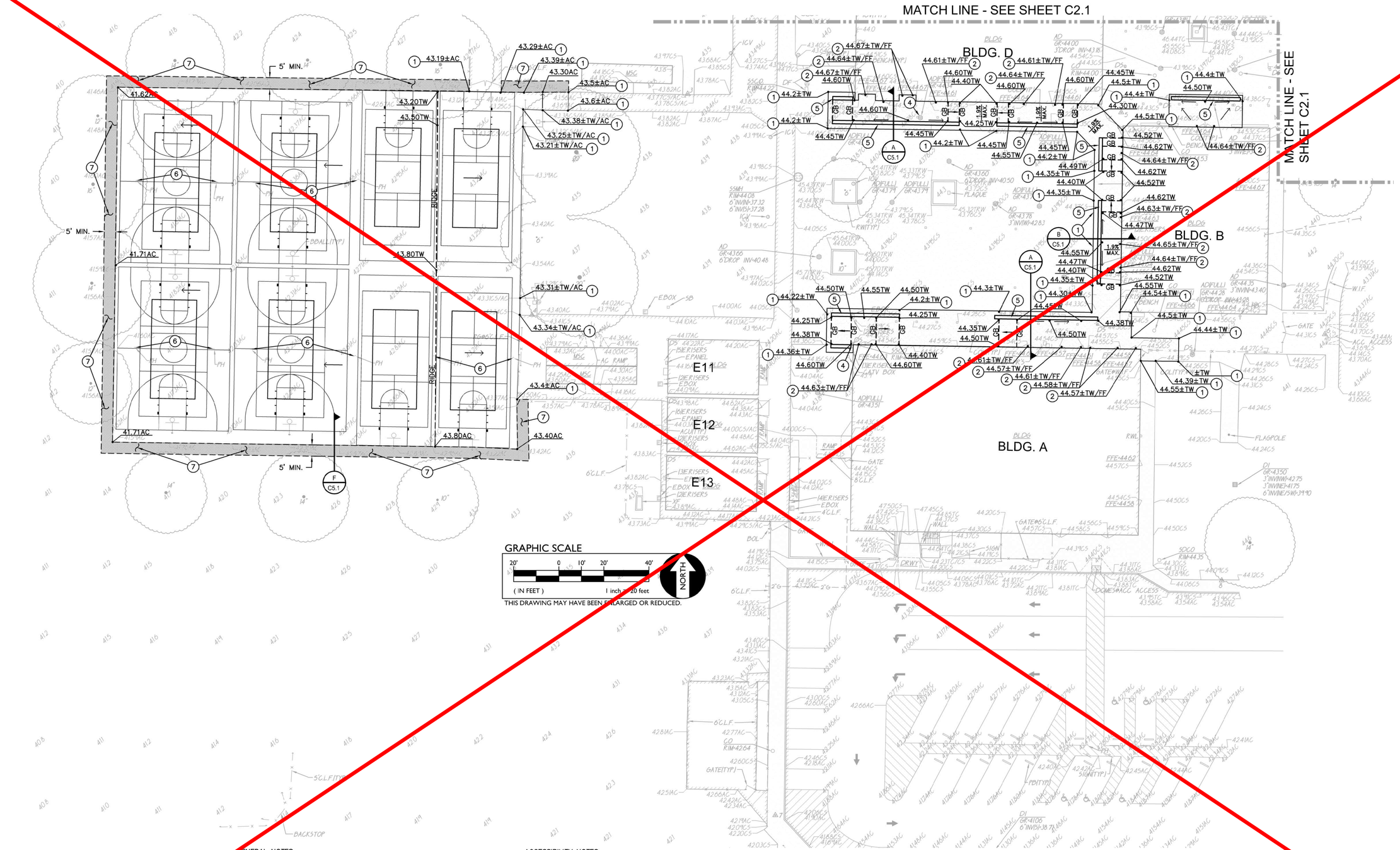

GENERAL NOTES:

1. AT LIMITS OF NEW CONCRETE ADJACENT TO LANDSCAPING PROVIDE A 4:1 MAXIMUM TRANSITION TO EXISTING GRADE WITH TOPSOIL. ADJUST EXISTING IRRIGATION HEADS TO FINISH GRADE AND PROVIDE SOD IN GRASS AREAS TO RESTORE TO EXISTING CONDITION.
2. ALL TRANSITIONS TO EXISTING PAVEMENT SHAL BE A SMOOTH AND LEVEL TRANSITION.
3. WIDTH OF NEW SIDEWALKS SHALL MATCH WIDTH OF EXISTING, ADJACENT, SIDEWALKS.
4. SEE ARCHITECTURAL PLANS FOR EXPANSION AND CONTROL JOINT LAYOUT.
5. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.
6. ALL WALKWAYS ADJACENT TO BUILDINGS ARE TO SLOPE AWAY FROM BUILDING 1% MINUMUM AND 2% MAXIMUM

ACCESSIBILITY NOTES:

1. FOR ACCESSIBLE PATH OF TRAVEL REQUIREMENTS SEE ARCHITECTURAL SHEETS.
2. PERCENT OF SLOPE SHOWN ON ARROWS ARE MAXIMUM SLOPES AND NOT INTENDED TO SUPERCEDE SLOPES DEFINED BY SPOT ELEVATIONS. (0.0% MAX.)
3. WITHIN THE LIMITS OF ACCESSIBLE PARKING AREA AND ACCESSIBLE DROP OFF ZONE THE SLOPE OF PAVEMENT SHALL NOT EXCEED 1.8% IN ANY DIRECTION.
4. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 1% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;
   - CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL – 1.9%
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4. TRANSITIONS BETWEEN ASPHALT AND CONCRETE SHALL BE FLUSH UNLESS SEPARATED BY CURB OR NOTED OTHERWISE.

GRADING NOTES

1. MATCH EXISTING GRADE.
2. PROPOSED SIDEWALK ELEVATION SHALL MEET FLUSH WITH EXISTING FINISH FLOOR.
3. GRADE UNIFORMLY PER (9 / C5.1)
4. ADJUST EXISTING STRUCTURE TO FINISH GRADE.
5. CONSTRUCT SEAT WALL PER (2 / C5.1)
6. ADJUST POST HOLE TO FINISH GRADE.
7. PROVIDE 5' MIN. TOP SOIL AND SOD TRANSITION TO EXISTING GRADE. ADJUST ALL SPRINKLER HEADS TO FINISH GRADE.

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ANTHONY J. TASSANO
C-22525
12/31/23 RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

PARTIAL GRADING PLAN

CONSULTANT

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WARREN CONSULTING ENGINEERS, INC.
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C2.2

OF SHEETS

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J TASSANO
NO. C74696
STATE OF CALIFORNIA

REQUIRED BEARING AREAS IN SQ. FT.

INSTALLATION	FITTING TYPE	PIPE SIZES 4"	6"	8"	10"	12"
	90° ELL	3	6	10	14	20
	45° ELL	2	3	5	8	11
	22.5° ELL	1	2	3	4	5
	11.25° ELL	1	1	2	2	3
	TEE	2	4	7	10	14
	DEAD END	2	4	7	10	14
GATE VALVE 4" OR LARGER						
	#4 BARS TRENCH KEY 6" MIN.	2	4	7	10	14

VERTICAL THRUST BLOCKS REQUIRED CONCRETE VOLUME, IN CY.

INSTALLATION	FITTING TYPE	PIPE SIZES 4"	6"	8"	10"	12"
	90° ELBOW	1.3	2.6	4.5	6.8	9.6
	45° ELL	0.7	1.4	2.4	3.7	5.2
	22.5° ELL	0.3	0.7	1.2	1.9	2.6
	11.25° ELL	0.2	0.4	0.6	0.9	1.3
	REDUCER	0.7	0.7	1.2	1.8	2.6

W/ MIN. 2 #5 REBAR TIES, TYP.

NOTES

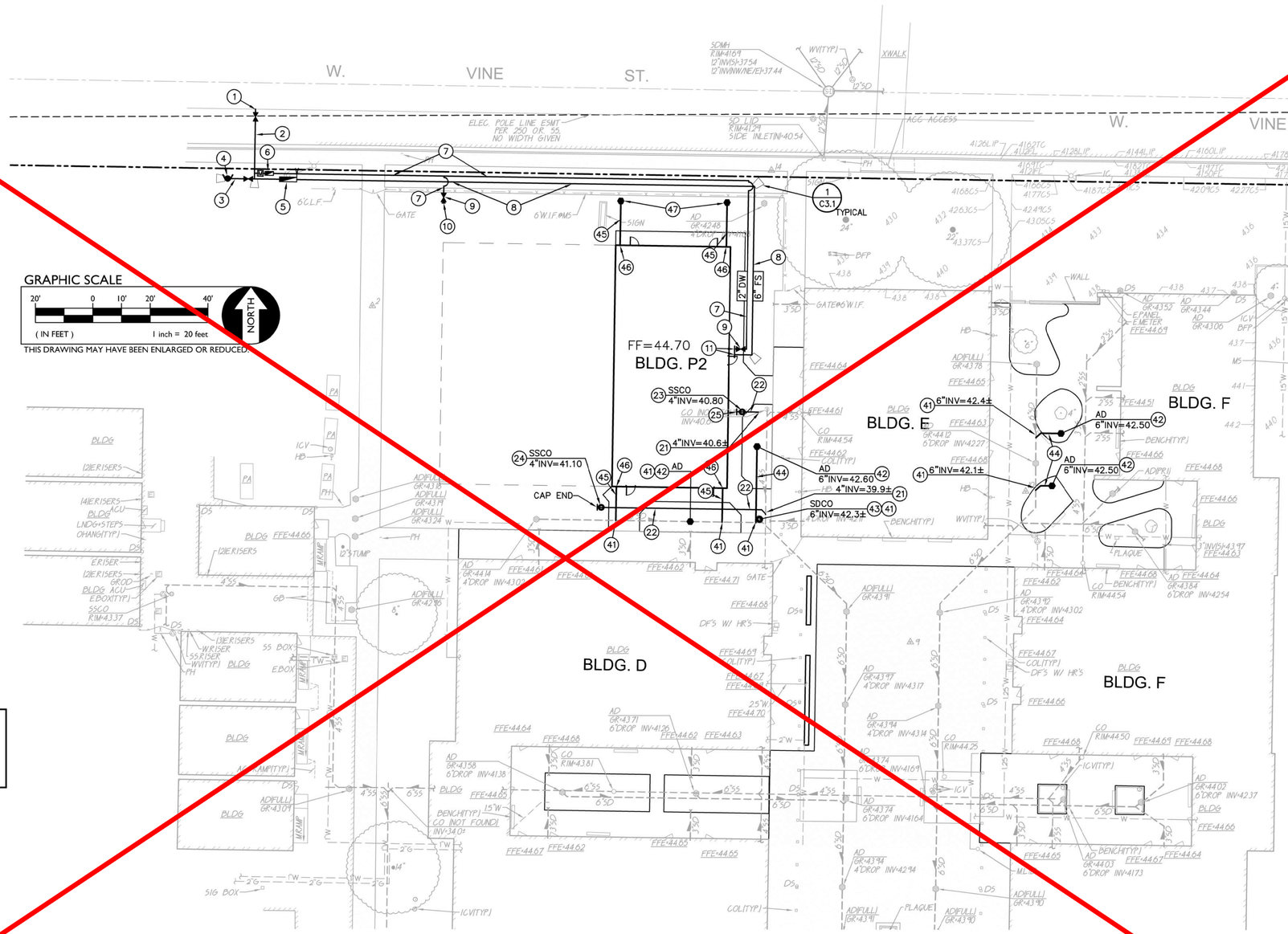
1. THRUST BLOCKS ARE TO BE CONSTRUCTED OF 2500 PSI CONCRETE MIN.
2. AREAS IN TABLE HAVE BEEN DERIVED USING A WATER PRESSURE OF 200 POUNDS PER SQUARE INCH (13.8 BARS) AND SOIL RESISTANCE OF 2000 POUNDS PER SQUARE FOOT (137.9 BARS).

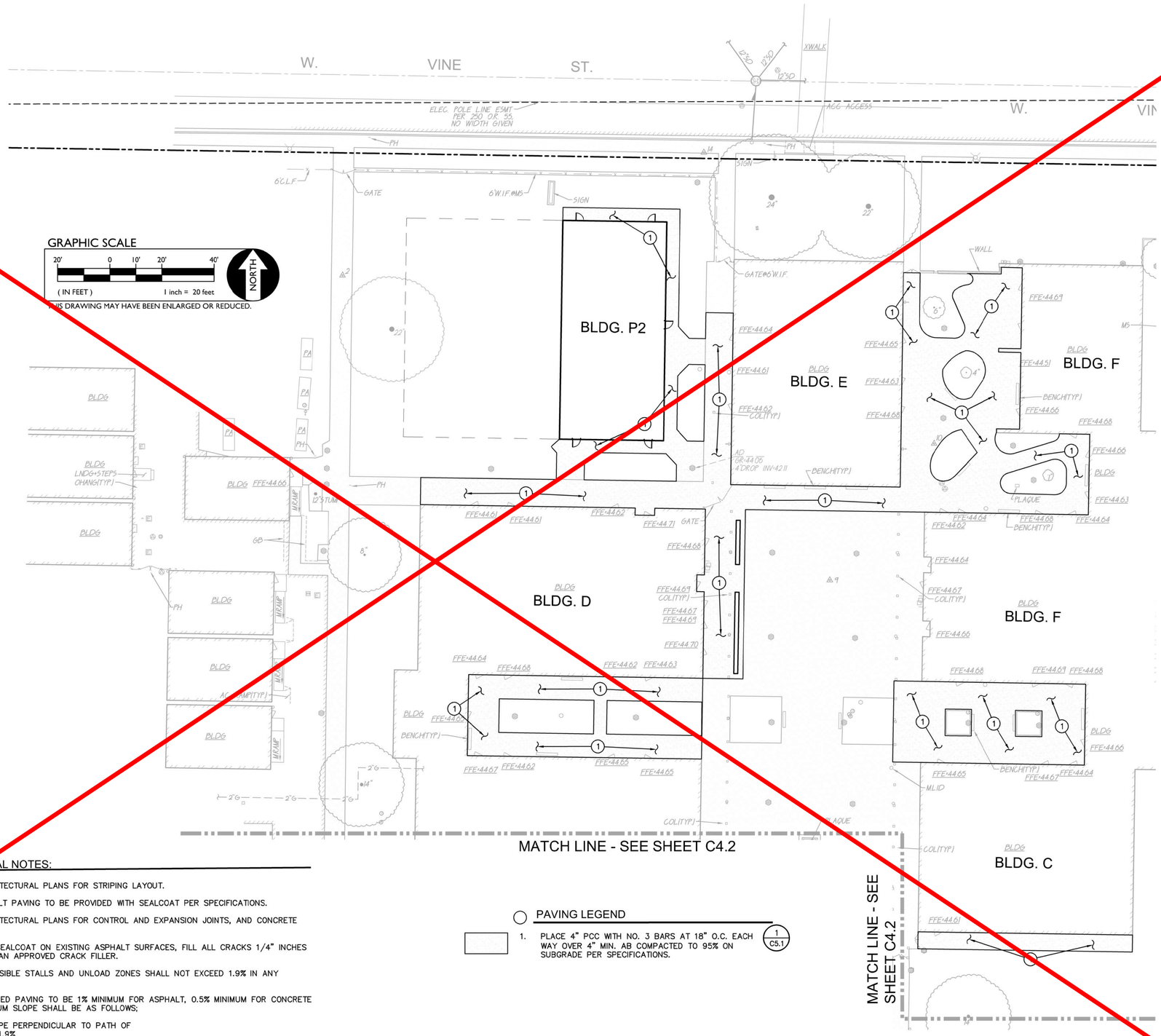
   NOTE: GEOTECHNICAL ENGINEERING AND GEOLOGICAL HAZARDS REPORT, WKA NO. 4630.2200036.0016 DATED APRIL 29, 2022 ALLOWS FOR A 2,500 PSF SOIL BEARING PRESSURE
3. BLOCKING TO BE POURED AGAINST UNDISTURBED SOIL, 12 INCH THICK MINIMUM.
4. THRUST BLOCKS ARE TO BE FREE, SEPARATE AND INDEPENDENT OF ADJACENT OR NEARBY THRUST BLOCKS.
5. WRAP ALL FITTINGS BEFORE PLACING CONCRETE.

1 / C3.1 THRUST BLOCKS
NO SCALE

FIRE SERVICE LINE SIZE NOTE:
IT HAS BEEN VERIFIED BY THE MECHANCIAL ENGINEER OF RECORD AND THEIR FIRE PROTECTION ENGINEER, THAT THE PROPOSED 6" FIRE SERVICE LINE SERVING BUILDING P2 (INCREMENT 2) IS SIZED LARGE ENOUGH, FOR THE OVERALL BUILDING P2 BUILD-OUT OF 8,720 SQUARE FEET AND PROPOSED FIRE SPRINKLER PROTECTED AREA.

GRAPHIC SCALE
20' 0 10' 20' 40'
(IN FEET) 1 inch = 20 feet
NORTH
THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.


W. VINE ST.
W. VINE
BLDG. P2
BLDG. E
BLDG. F
BLDG. D
FF=44.70
CAP END
SSCO 4"INV=41.10
SSCO 4"INV=40.80
4"INV=40.6±
AD 6"INV=42.60
4"INV=39.9±
SDCO 6"INV=42.3±
6"INV=42.4±
6"INV=42.1±
AD 6"INV=42.50
AD 6"INV=42.50
2"DW
6"FS
TYPICAL
GATE
6'G.L.F.
6'W.I.F.PMS
SIGN
GATE@6'W.I.F.
ELEC. POLE LINE ESMT PER 250 OR 55, NO WIDTH GIVEN
SD LID RIM=41.04 SLICE INLET INV=40.54
5DMH RIM=41.69 12"INV=39.54 12"INV=NW/NE/EX=39.44
XWALK
ACC. ACCESS
WALL
BENCH(TYP.)
PLAQUE
ICV(TYP.)
CO NOT FOUND INV=34.01
CO RIM=43.81
CO RIM=44.50
CO RIM=44.75
CO RIM=44.54
12"STUMP
14" TREE
RAMP
TW
PH
PA
ICV
HD
BFF
GD
DS
MH
MLE
W
WV(TYP.)
COL(TYP.)
DF'S W/ HR'S
5IG BOX
SSCO RIM=43.37
BLDG ACU EDOX(TYP.)
LNDG+STEPS OHANG(TYP.)
ERISER
12"RISERS
GROD
WRISER
5'RISER
55 BOX
14"RISERS
ADIFULL GR=43.85
ADIFULL GR=43.74
ADIFULL GR=43.24
ADIFULL GR=42.96
ADIFULL GR=43.07
ADIFULL GR=43.91
ADIFULL GR=43.90
AD GR=43.52 4"DROP INV=43.12
AD GR=43.44 6"DROP INV=43.06
AD GR=43.52 4"DROP INV=43.02
AD GR=43.97 4"DROP INV=43.17
AD GR=43.94 4"DROP INV=43.14
AD GR=43.74 6"DROP INV=41.69
AD GR=43.74 6"DROP INV=41.64
AD GR=43.94 4"DROP INV=42.94
AD GR=43.71 6"DROP INV=41.26
AD GR=43.58 6"DROP INV=41.38
AD GR=44.14 4"DROP INV=43.04
AD GR=42.48 4"DROP INV=41.98
AD GR=43.84 6"DROP INV=42.54
AD GR=44.02 6"DROP INV=42.37
AD GR=44.03 6"DROP INV=41.73
AD GR=43.84 6"DROP INV=42.54
AD GR=43.52 4"DROP INV=43.02



GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

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PAVING GENERAL NOTES:

1. REFER TO ARCHITECTURAL PLANS FOR STRIPING LAYOUT.
2. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH SEALCOAT PER SPECIFICATIONS.
3. REFER TO ARCHITECTURAL PLANS FOR CONTROL AND EXPANSION JOINTS, AND CONCRETE FINISH.
4. PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.
5. SLOPE IN ACCESSIBLE STALLS AND UNLOAD ZONES SHALL NOT EXCEED 1.9% IN ANY DIRECTION.
6. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;

   CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL – 1.9%
   DIRECTION OF TRAVEL – 4.9%
   RAMP IN DIRECTION OF TRAVEL – 8.0%
   PLAZA 1.9% – IN ANY DIRECTION

6. ALL EXPOSED ASPHALT EDGES SHALL HAVE HEADER BOARDS WHETHER SHOWN OR NOT.
7. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.

PAVING LEGEND

1. PLACE 4" PCC WITH NO. 3 BARS AT 18" O.C. EACH WAY OVER 4" MIN. AB COMPACTED TO 95% ON SUBGRADE PER SPECIFICATIONS. (1 / C5.1)

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C-22525
12/31/23 RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION LODI MIDDLE SCHOOL (INCREMENT 1)

PARTIAL PAVING PLAN

CONSULTANT

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NO. C74696
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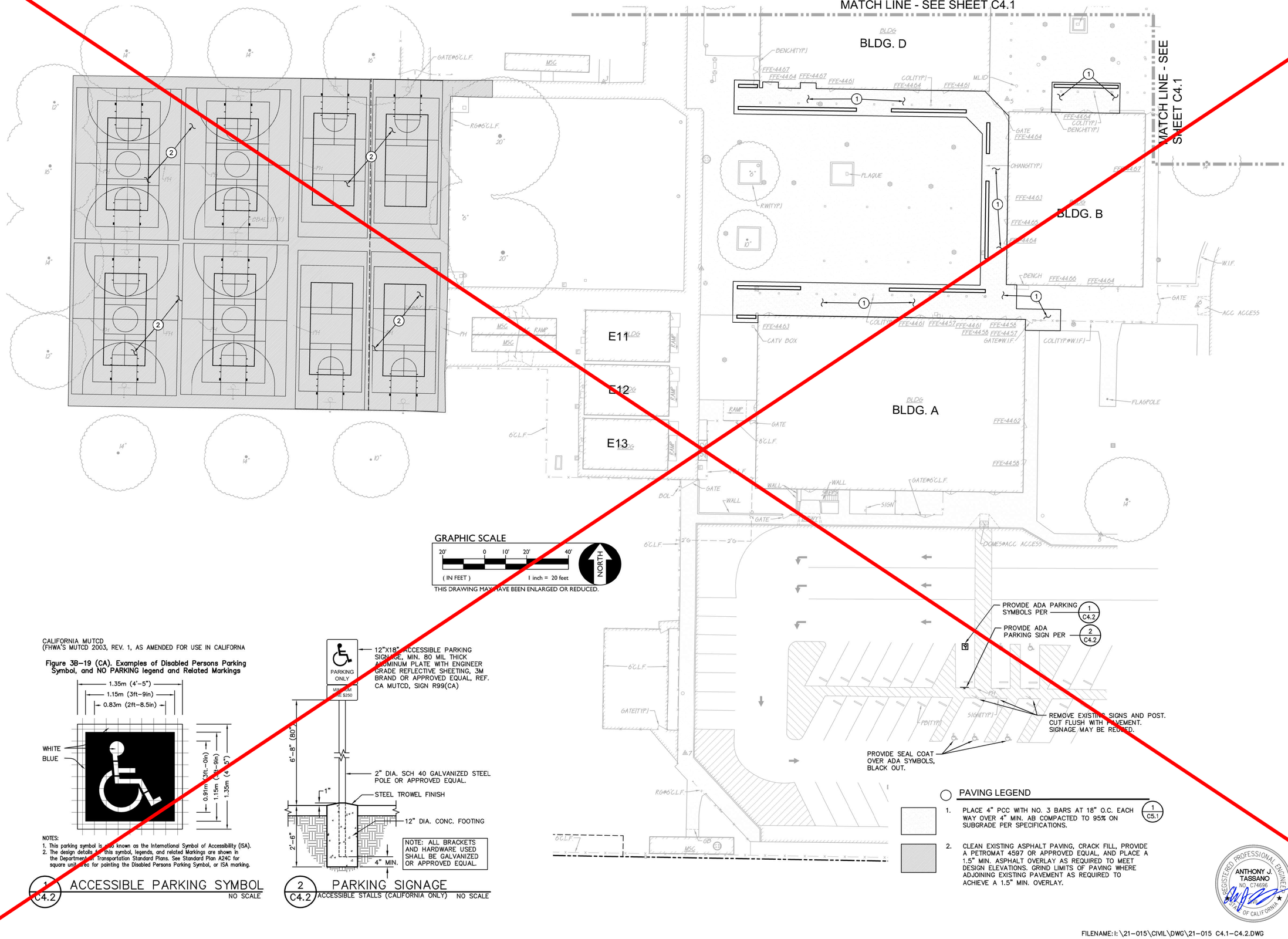

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

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CALIFORNIA MUTCD
(FHWA'S MUTCD 2003, REV. 1, AS AMENDED FOR USE IN CALIFORNA

Figure 3B–19 (CA). Examples of Disabled Persons Parking Symbol, and NO PARKING legend and Related Markings

NOTES:
1. This parking symbol is also known as the International Symbol of Accessibility (ISA).
2. The design details for this symbol, legends, and related Markings are shown in the Department of Transportation Standard Plans. See Standard Plan A24C for square units used for painting the Disabled Persons Parking Symbol, or ISA marking.

1 C4.2 ACCESSIBLE PARKING SYMBOL NO SCALE

2 C4.2 PARKING SIGNAGE ACCESSIBLE STALLS (CALIFORNIA ONLY) NO SCALE

PAVING LEGEND

1. PLACE 4" PCC WITH NO. 3 BARS AT 18" O.C. EACH WAY OVER 4" MIN. AB COMPACTED TO 95% ON SUBGRADE PER SPECIFICATIONS. (1 C5.1)
2. CLEAN EXISTING ASPHALT PAVING, CRACK FILL, PROVIDE A PETROMAT 4597 OR APPROVED EQUAL, AND PLACE A 1.5" MIN. ASPHALT OVERLAY AS REQUIRED TO MEET DESIGN ELEVATIONS. GRIND LIMITS OF PAVING WHERE ADJOINING EXISTING PAVEMENT AS REQUIRED TO ACHIEVE A 1.5" MIN. OVERLAY.

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PARTIAL PAVING PLAN

CONSULTANT

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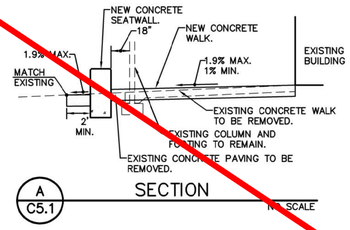
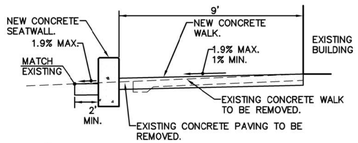
STATE OF CALIFORNIA

FILENAME: I:\21-015\CIVIL\DWG\21-015 C4.1-C4.2.DWG



A C5.1 SECTION NO SCALE



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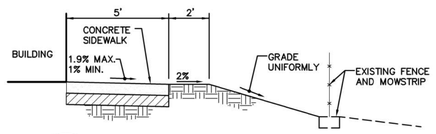

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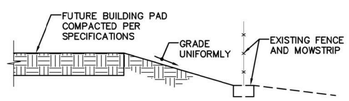

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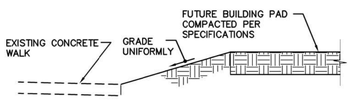

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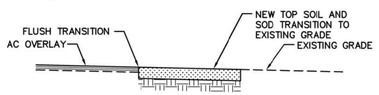

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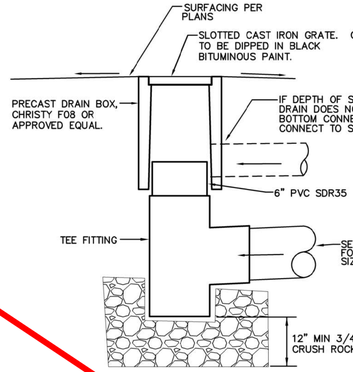
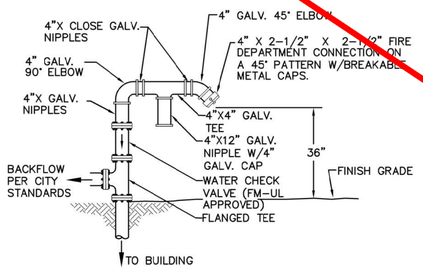
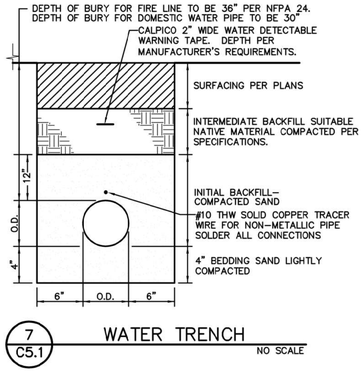


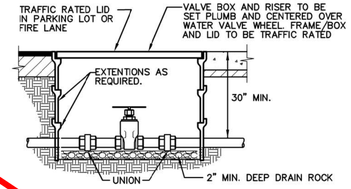
11 C5.1 BUBBLER NO SCALE



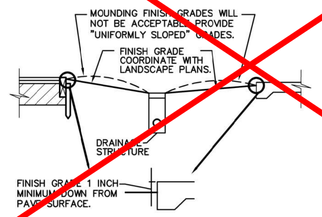
12 C5.1 FIRE SPRINKLER CONNECTION NO SCALE



7 C5.1 WATER TRENCH NO SCALE

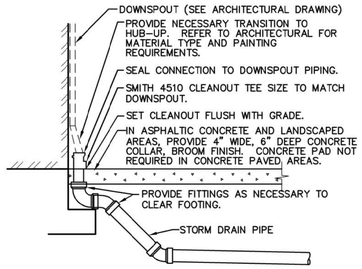


8 C5.1 WATER VALVE NO SCALE

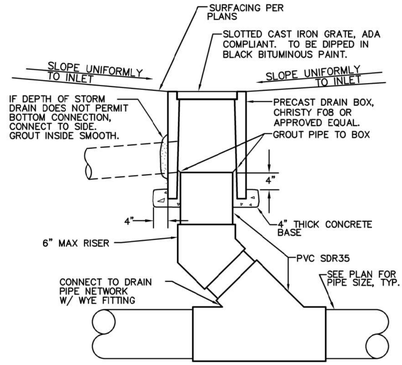


1. FINISH GRADE IN LANDSCAPED AREAS IS DEFINED AS THE FINISHED GRADE ELEVATION WITH THE SOIL AMENDMENTS ROTOTILLED INTO THE SOIL.
2. THE FINISH DIRT GRADE ELEVATION IN AREAS THAT RECEIVE ROLLED TURF TO BE DOWN 2 INCHES FROM TOP OF PAVED SURFACE.
3. IN AREAS WHERE NO DRAINAGE IS SHOWN, GRADE 1 INCH BELOW AND UNIFORMLY BETWEEN FINISHED AND/OR EXISTING SURFACES, UNLESS NOTED OTHERWISE.

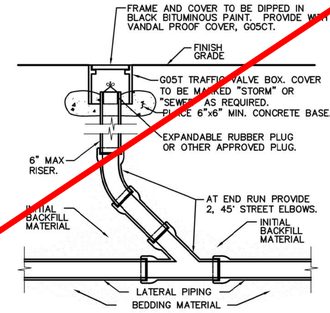
9 C5.1 UNIFORM GRADING NO SCALE



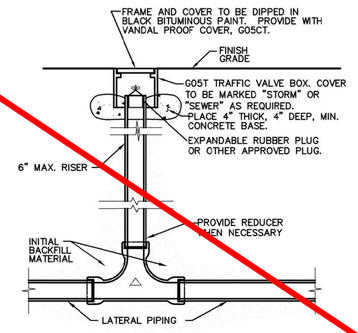
10 C5.1 DOWNSPOUT CONNECTION NO SCALE



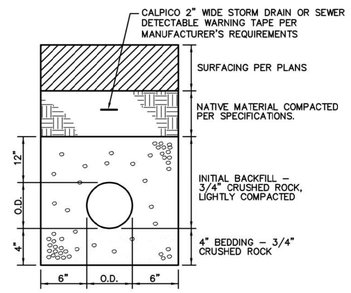
3 C5.1 AREA DRAIN NO SCALE



4 C5.1 CLEANOUT NO SCALE

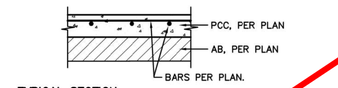


5 C5.1 2-WAY CLEANOUT NO SCALE

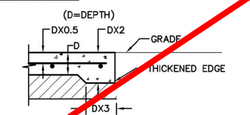


STORM DRAIN AND SEWER TRENCH

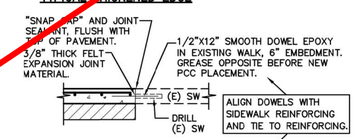
6 C5.1 NO SCALE



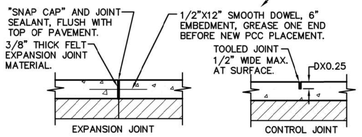
TYPICAL SECTION



TYPICAL THICKENED EDGE



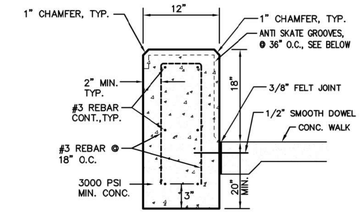
CONNECTION TO (E) CONCRETE



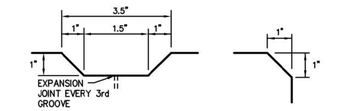
TYPICAL JOINTS

NOTES:
1. PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MIN.
2. PROVIDE CONTROL JOINTS AT 10 FEET O.C. MIN.
3. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

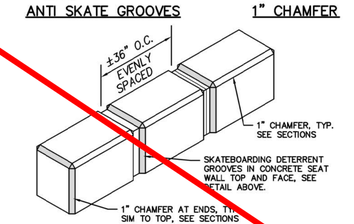
1 C5.1 CONCRETE SIDEWALK NO SCALE



SEAT WALL SECTION



ANTI SKATE GROOVES 1" CHAMFER



ANTI SKATE GROOVES

GENERAL NOTE: SACK ALL SURFACES WITH ARDEX TWP OR APPROVED EQUAL.

2 C5.1 CONCRETE SEATWALL NO SCALE

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DATE: 02/23/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT ANTHONY J. TASSANO C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

DETAILS AND SECTIONS

CONSULTANT

WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN ML/MG		
CHECKED MG		
SCALE AS DISPLAYED		
CADFILE		
UPDATED 2/07/23		

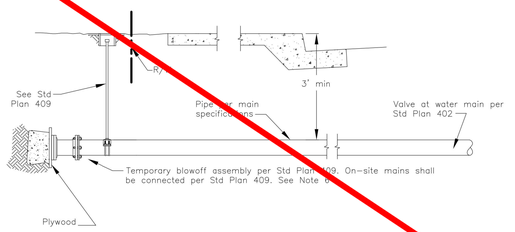
SHEET NO.

C5.1

OF SHEETS

CITY OF LODI
PUBLIC WORKS DEPARTMENT

Fire Service



4" & Larger Service

Notes:

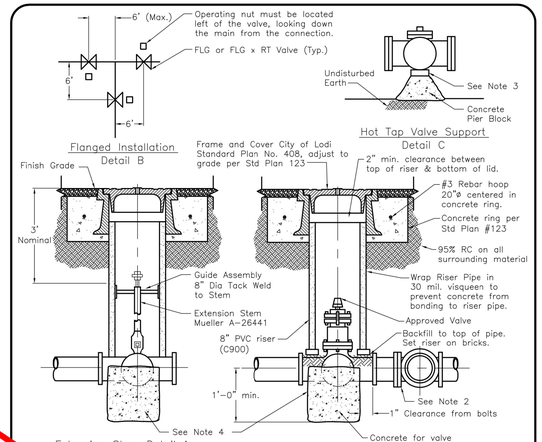
1. If not alarmed a detector check valve w/bypass meter shall be installed at fire-sprinkler system connection only. Installation details shall conform to Fire Dept. and Bldg. Dept. requirements. (See Detail A)
2. On-site fire mains shall be completely isolated from domestic lines.
3. On-site fire mains looped to the City system must be specifically approved by the Public Works Director and must be equipped with double check valve assemblies at each connection. In such cases the services shall be installed per Std. Plan 406 with the Double Check Valve assemblies installed in an appropriately sized box at the property line.
4. Suitable backflow prevention devices will be required for fire systems having auxiliary sources of supply, elevated tanks or chemical additives, or other special conditions.
5. Sufficient valves shall be provided to separate sprinkler, hydrant and domestic systems. Additional main line valves may be required depending on the complexity of the on-site system.
6. Pressure and bacteriological tests per City of Lodi Construction Specifications are required for on-site systems unless waived by the Public Works Director.
7. Systems with booster pumps shall be equipped with a pressure sustaining valve to the approval of the Public Works Director.

Sheet 1 of 2

Dr. KT	No.	Date	Revision	Appr.	Approved By:	STD PLAN
Ch. WS	1	9/03	REVISED F.D.C. LOCATION		F. Wally Sandelin, City Engineer R.C.E. 39895	407
Date 12/00	2	2/04	REVISED TEMP. BLOW OFF VALVE		2/12/04 Date	

CITY OF LODI
PUBLIC WORKS DEPARTMENT

Water Valve Installation



Notes:

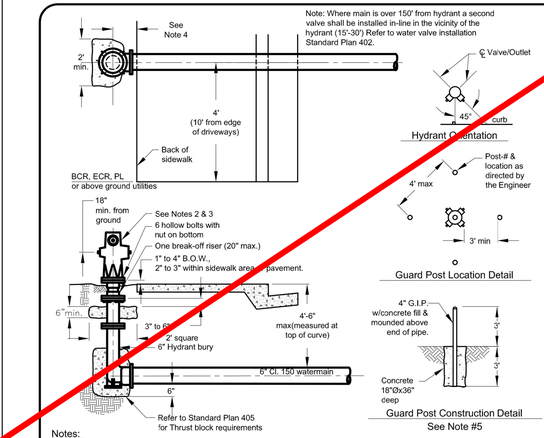
1. Install extension stem when distance from valve cover to operating nut is greater than 12 feet; 3" max. nominal cover per Detail A.
2. Flanged fittings shall be used where lines are to be extended at a later date or as shown on the improvement plans. Operating nuts on flanged valves must be arranged per Detail B.
3. Concrete blocks may be used for valve and riser support; thrust blocks per Standard Plan 405. For Hot Tap Valve support refer to Detail C.
4. Place Visqueen around valves before placement of concrete supports.
5. For trench backfill, see Standard Plan 501.

Sheet 1 of 2

Dr. KT	No.	Date	Revision	Appr.	Approved By:	STD PLAN
Ch. WS					F. Wally Sandelin, City Engineer R.C.E. 39895	402
Date 7/08					7/28/08 Date	

CITY OF LODI
PUBLIC WORKS DEPARTMENT

Fire Hydrant Installation



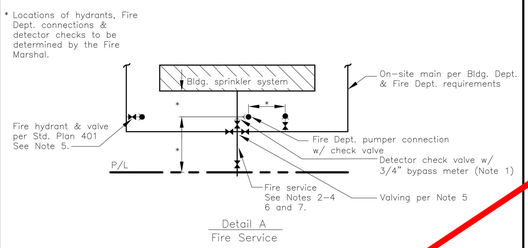
Notes:

1. All work and material shall conform to City of Lodi Construction Specifications.
2. Hydrants shall be painted Federal Yellow at the factory and furnished with National Standard Hose Thread outlets and cast iron caps.
3. All Hydrants 1 4-1/2" outlet & 1 2-1/2" outlet; with fusion epoxy coated interior. Clow 850; Clow 950; AVK 24/70; Jones 4040.
4. Locate C/L of hydrant per the following:
   1.5' behind walk where F.O.C. to B.O.W. distance is 7.0' or less.
   2.5' behind F.O.C. where F.O.C. to B.O.W. distance is greater than 7.0'
   5' behind F.O.C. in planters.
5. Install guard posts where hydrants are installed in paved areas accessible to traffic or in planters where hydrant is less than 3' behind the curb or when directed by the City.
6. For trench backfill requirement, See Standard Plan 501.
7. Install blue retroreflective hydrant pavement marker per std. plan 716.

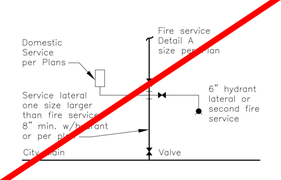
Dr. JP	No.	Date	Revision	Appr.	Approved By:	STD PLAN
Ch. LC	1	9/03	ADJUSTED DIMENSION FROM PL		Charles Sveinbjy, City Engineer / Deputy Public Works Director RCE No. 52840	401
Date 1/14	2	2/04	REVISED AVK MODEL NUMBER		1/14/14 Date	
	3	2/05	ADDED NOTE 7			
	4	2/08	ADJUSTED GUARD POST DEPTH			

CITY OF LODI
PUBLIC WORKS DEPARTMENT

Fire Service



Detail A
Fire Service



Detail B
Combined Fire/Domestic Service

Sheet 2 of 2

Dr. KT	No.	Date	Revision	Appr.	Approved By:	STD PLAN
Ch. WS	1	9/03	REVISED F.D.C. LOCATION		F. Wally Sandelin, City Engineer R.C.E. 39895	407
Date 12/00					9/25/02 Date	

CITY OF LODI
PUBLIC WORKS DEPARTMENT

Water Valve Installation Materials List

All Water Valves & Materials shall be Class 150B with 2" square operating nuts, open left (clockwise to close) and shall conform to AWWA Standard C-504 for Rubber Seated Butterfly Valves and City of Lodi Construction Specs 6-7602.

AWWA Approved Valves:
- Mueller RS and Butterfly
- M+H/Clow/Kennedy RS and Butterfly
- American Darling RS Gate valves
- Waterous RS Gate valve
- AVK RS Gate valves

Sheet 2 of 2

Dr. KT	No.	Date	Revision	Appr.	Approved By:	STD PLAN
Ch. WS					F. Wally Sandelin, City Engineer R.C.E. 39895	402
Date 12/00					12/28/00 Date	

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HENRY+ ASSOCIATES ARCHITECTS

REGISTERED ARCHITECT
ANTHONY J. TASSANO
No. C-22525
12/31/23 RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

CITY WATER DETAILS

CONSULTANT

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

PROJECT NO.	REVISIONS	BY
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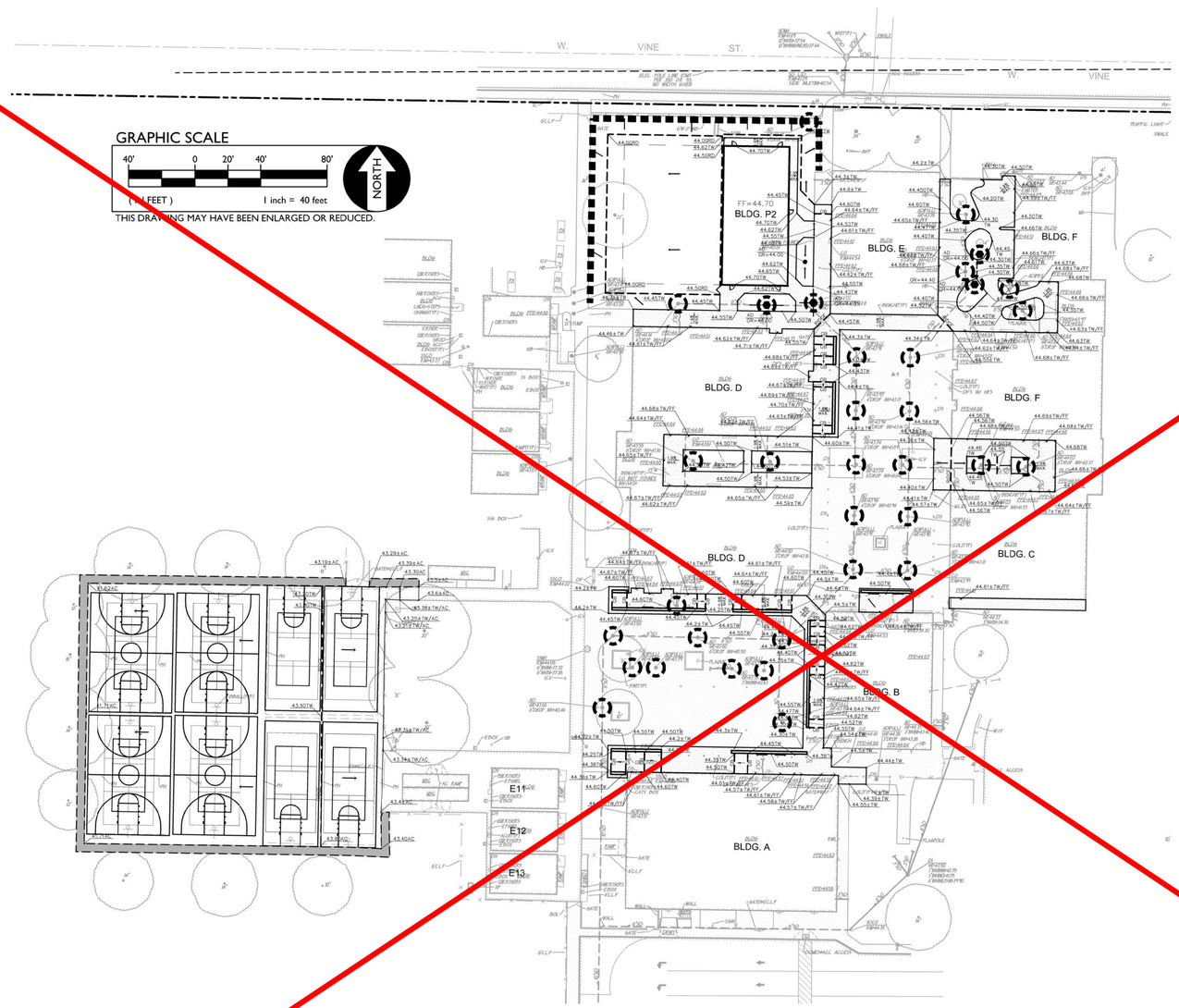
SHEET NO.

C5.2

OF SHEETS

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA
02/15/2023

FILENAME: I:\21-015\CIVIL\DWG\21-015 C5.1.DWG



EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. IF CERTAIN SOIL TYPES (E.G. COLLOIDAL SOILS) ARE DETECTED, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL TREATMENT MEASURES PRIOR TO DISCHARGE.
2. CONTRACTOR IS RESPONSIBLE FOR THE DEWATERING AND REMOVAL OF ALL TEMPORARY EROSION CONTROL DEVICES JUST PRIOR TO THE COMMENCING OF THE FINAL GRADING AND PAVING OPERATIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THE SITE TO MINIMIZE DUST CREATED DURING CONSTRUCTION.
4. PRIOR TO PLACEMENT OF HYDRO SEEDING, REMOVE TEMPORARY EROSION CONTROL MEASURES (STRAW WATTLE FENCE AND TRACKED LOOSE STRAW).
5. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPLIANCE WITH STATE WATER RESOURCES CONTROL BOARD REQUIREMENTS.
6. ALL MATERIALS STORED ON-SITE SHALL HAVE PROPER ENCLOSURES AND/OR COVERINGS.
7. CONTRACTOR SHALL MAINTAIN ALL WATTLE OR SILT FENCES AND OTHER STORM WATER POLLUTION PREVENTION DEVICES THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES WEEKLY AS WELL AS BEFORE, DURING, AND AFTER A STORM EVENT. CONTRACTOR SHALL REMOVE ALL EROSION CONTROL AND POLLUTION PREVENTION DEVICES AT THE END OF CONSTRUCTION AS REQUIRED. REFER TO SPECIFICATIONS AND ADDITIONAL REQUIREMENTS.
8. CONTRACTOR SHALL ADEQUATELY PREVENT EXCESSIVE AMOUNTS OF MUD, SAND, DIRT, AND OTHER DEBRIS FROM BEING TRACKED ONTO THE STREET FROM CONSTRUCTION VEHICLE MOVEMENT. PROVIDE WASHING FACILITIES AT CONSTRUCTION ENTRANCE IF NECESSARY.

LEGEND

(#) EROSION CONTROL NOTES

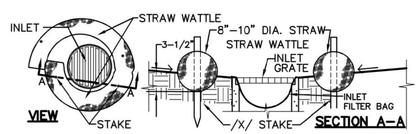
NOTE: EXACT LOCATION WILL BE COORDINATED BY CONTRACTOR AND PROJECT QSP.

1. CONTRACTOR SHALL PROVIDE STRAW WATTLE BARRIER AT ALL INLETS (NEW AND/OR EXIST.) IN LANDSCAPED OR UNPAVED AREAS PER THE DETAIL PROVIDED. IN PAVED AREAS, PROVIDE FILTER BAG AT EACH INLET. STRAW WATTLES NOT REQUIRED AT INLETS IN PAVED AREAS, ONLY FILTER BAG. (1 / C6.1)
2. CONTRACTOR SHALL PROVIDE STRAW WATTLES AT PERIMETER OF SITE PER DETAIL (2 / C6.1)

ADD TO MAP AS LOCATED IN THE FIELD

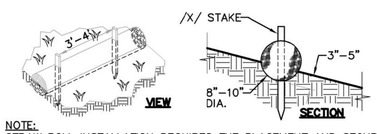
- CONSTRUCTION TRAILER.
- VEHICLE/EQUIPMENT MAINTENANCE AND FUELING AREA.
- COVERED WASTE STORAGE (DUMPSTERS).
- STAGE — STAGING AREA
- MATERIAL STORAGE
- SP — SOIL STOCKPILES.
- CWO — CONCRETE WASHOUT.

SEDIMENT AND EROSION CONTROL MEASURES NOTED ON THIS PLAN ARE MINIMUM BMP'S RECOMMENDED FOR COMPLIANCE. CONSTRUCTION SITE MUST BE MONITORED AND BMP'S SHALL BE MODIFIED DEPENDING ON CONSTRUCTION SCHEDULE AND RAIN EVENTS.



NOTE: STRAW WATTLE INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE WATTLE IN A TRENCH, 3–1/2" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

1 / C6.1 STRAW WATTLE INLET FILTER — NO SCALE



NOTE:
STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"–5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

2 / C6.1 STRAW ROLLS — NO SCALE

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Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT ANTHONY J TASSANO C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
LODI MIDDLE SCHOOL
(INCREMENT 1)

EROSION CONTROL PLAN

CONSULTANT

WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

PROJECT NO. 21-32-051	REVISIONS	BY
DATE 7/26/2022		
DRAWN ML/MG		
CHECKED MG		
SCALE AS DISPLAYED		
CADFILE		
UPDATED 2/07/23		

SHEET NO.
C6.1
OF SHEETS

REGISTERED PROFESSIONAL ENGINEER ANTHONY J TASSANO NO. C74696 STATE OF CALIFORNIA

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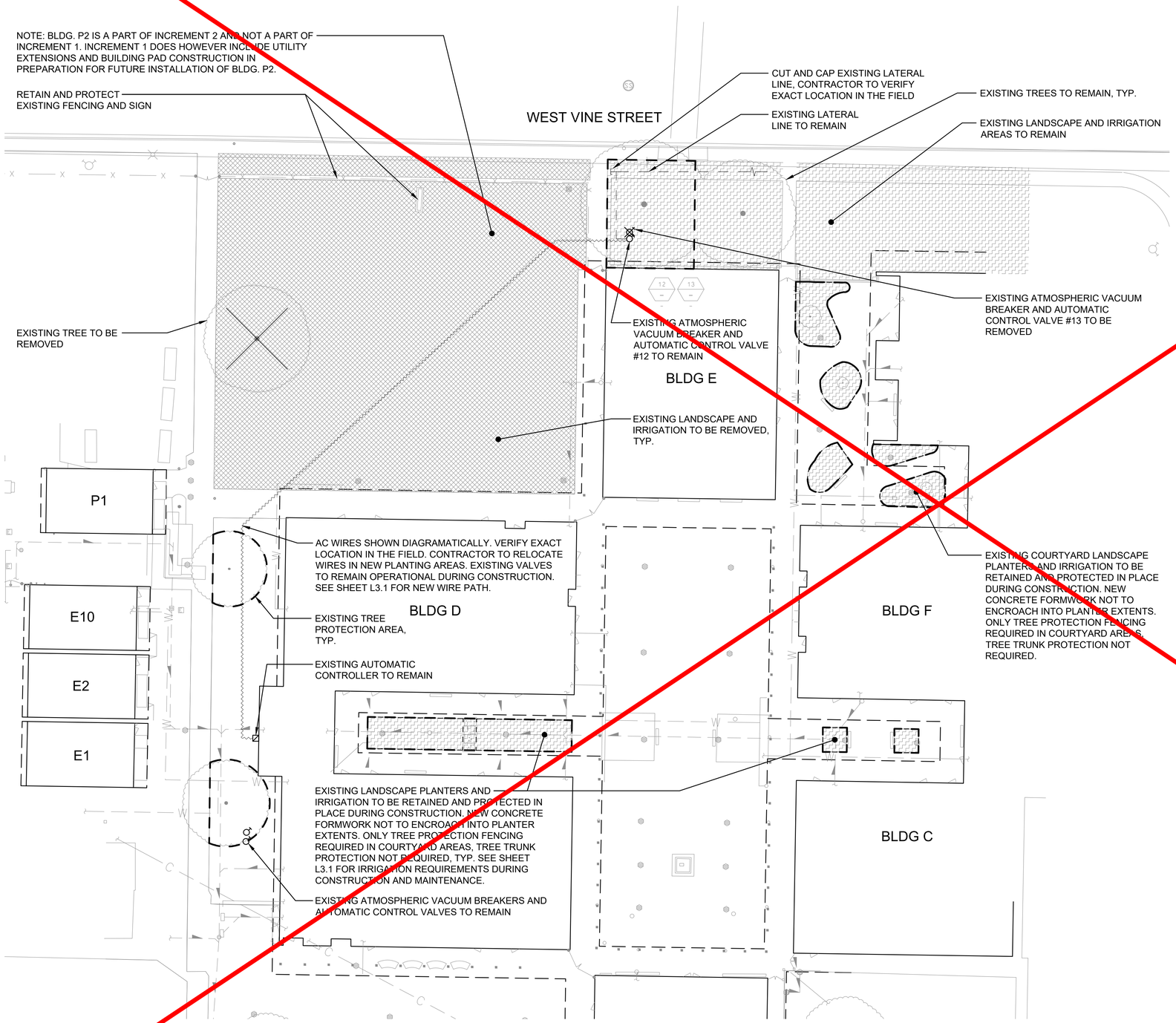

KEY

IRRIGATION DEMOLITION LEGEND

- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- EXISTING TREE PROTECTION AREA
  SEE TREE PROTECTION DETAILS L4.1-1 AND L4.1-2 FOR OPERATIONS UNDERNEATH TREE DRIP LINES. SEE TREE PROTECTION SPECIFICATIONS.
  NOTE: CONTRACTOR TO IRRIGATE ALL TREES BY HAND DURING CONSTRUCTION PROCESS.
- EXISTING LANDSCAPE AND IRRIGATION AREAS TO REMAIN
  CONTRACTOR TO REPAIR EXISTING LANDSCAPE AND ADJUST EXISTING IRRIGATION AS NEEDED DUE TO CONSTRUCTION.
- EXISTING LANDSCAPE AND IRRIGATION TO BE REMOVED
  ROTOR HEADS TO BE REMOVED AND LATERAL LINES TO BE ABANDONED IN PLACE OR REMOVED AS NEEDED FOR WORK.
- EXISTING LATERAL LINE TO REMAIN
- EXISTING CONTROL WIRE TO BE RE-ROUTED
- EXISTING AUTOMATIC CONTROLLER TO REMAIN
  RAINBIRD IQ CONTROLLER
- EXISTING ATMOSPHERIC VACUUM BREAKERS AND AUTOMATIC CONTROL VALVES TO REMAIN
- EXISTING ATMOSPHERIC VACUUM BREAKERS AND AUTOMATIC CONTROL VALVES TO BE REMOVED
- 12 — INDICATES EXISTING CONTROL VALVE AND STATION NUMBER

PRE-CONSTRUCTION SPRINKLER IRRIGATION NOTES

1. PRIOR TO START OF CONSTRUCTION CONTRACTOR REQUIRED TO CONTACT:
   NAME, TITLE: RODRIGO CONTRERAS
   PHONE NUMBER: (209) 981-7786
   TO SET UP A MEETING ON SITE TO OPERATE THE EXISTING SPRINKLER IRRIGATION SYSTEM AND DISCUSS THE MODIFICATIONS THAT ARE TO BE MADE TO THE EXISTING SYSTEM TO ACCOMMODATE FOR THE NEW CONSTRUCTION.
2. CONTRACTOR TO OPERATE AND PROGRAM EXISTING SPRINKLER IRRIGATION SYSTEM THAT IS TO REMAIN IN ORDER TO PROVIDE WATER TO THE EXISTING LANDSCAPE TO REMAIN.
3. CONTRACTOR TO REMOVE ALL EXISTING PIPE AND SPRINKLER HEADS WHEN THEY ARE IN NEW PLANTING AREAS.
4. CONTRACTOR TO RESTORE AND REPAIR ANY EXISTING SPRINKLER IRRIGATION SYSTEM OR EXISTING LANDSCAPE WHICH IS IN AREAS TO REMAIN THAT IS DAMAGED BY NEW WORK.
5. ALL WORK TO EXISTING SPRINKLER IRRIGATION SYSTEM TO BE COMPLETED PRIOR TO SITE DEMOLITION.

20' 10' 0 20' 40'

SCALE: 1"= 20'-0"

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CONSTRUCTION DOCUMENTS PHASE

DEMOLITION AND EXISTING LANDSCAPE PROTECTION PLAN

CONSULTANT

LICENSED LANDSCAPE ARCHITECT
BRYAN HOLLIS WALKER
5453
SIGNATURE
7/21/22
DATE
7/31/23
RENEWAL DATE
STATE OF CALIFORNIA

Bryan Hollis Walker C-5453

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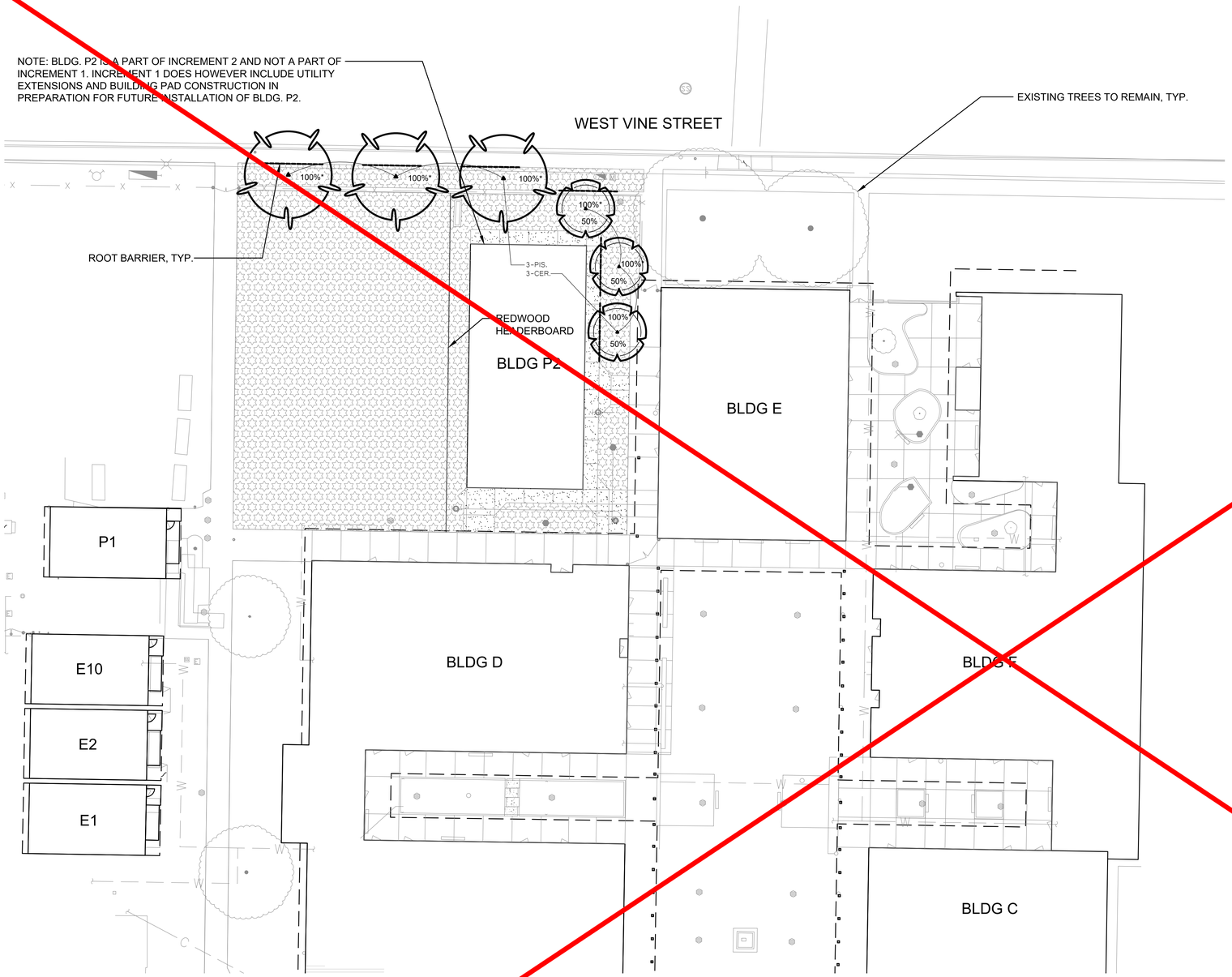

HARDSCAPE SHADING (20% WITHIN 15 YEARS)

TREES	100%	50%	25%
20'		3 (246) = 738 S.F.	
SUB-TOTALS		738 S.F.	

TOTAL PAVED AREA = 1,302 S.F. (261 S.F. NEEDED)

TOTAL SHADED AREA = 738 S.F.

PERCENTAGE OF SHADE = 56.7%

SOFTSCAPE SHADING (20% WITHIN 15 YEARS)

TREES	100%	50%	25%
30'	3 (707) = 2,121 S.F.		
20'	3 (491) = 1,473 S.F.		
SUB-TOTALS	3,594 S.F.		

TOTAL LANDSCAPE AREA = 12,475 S.F. (2,474 S.F. NEEDED)

TOTAL SHADED AREA = 3,810 S.F.

PERCENTAGE OF SHADE = 28.8%

KEY — LANDSCAPE LEGEND

- 100%* / 100% — TREES - NOT ALL SYMBOLS SHOWN (WITH TREE SHADING CANOPY PERCENTAGE)
- 100%* — SHADE PERCENTAGE: LANDSCAPE
- 100% — SHADE PERCENTAGE: HARDSCAPE
- AREA USED AS 'TOTAL LANDSCAPE AREA'
- AREA USED AS 'TOTAL HARDSCAPE AREA'
- ROOT BARRIER, INSTALL WHERE SHOWN ON PLANS (SEE DETAIL L4.1-4)
- REDWOOD HEADERBOARD (SEE DETAIL L4.1-7)
- 7-AAA — PLANT QUANTITY / PLANT KEY
- EXISTING TREE TO REMAIN

TREE MATERIAL LIST

SIZE	QTY.	KEY	BOTANICAL NAME ... COMMON NAME	WATER USE
			TREES:	
24" BOX	3	CER.	CERCIS CANADENSIS VAR. TEXENSIS ... TEXAS REDBUD	MEDIUM
24" BOX	3	PIS.	PISTCIA CHINENSIS 'KEITH DAVEY' ... KIETH DAVEY CHINESE PISTACHE	LOW

GENERAL LANDSCAPE REQUIREMENTS/NOTES

1. NO PLANTING SHALL BE STARTED UNTIL SPRINKLER IRRIGATION SYSTEM HAS BEEN TESTED BY CONTRACTOR IN PRESENCE OF OWNER'S REPRESENTATIVE AND NOTED DEFICIENCIES CORRECTED.
2. NO PLANTING SHALL BE STARTED UNTIL SOIL PREPARATION AND FINISH GRADING OPERATIONS HAVE BEEN COMPLETED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
3. QUANTITIES SHOWN ON PLANT MATERIAL LIST ARE APPROXIMATE. PROVIDE QUANTITIES INDICATED ON LANDSCAPE PLAN.
4. PLANT MATERIAL IS SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE.
5. SEE SHEET L4.1 FOR PLANTING INSTALLATION DETAILS.

ENVIRONMENTAL REQUIREMENTS:

GENERAL: PROCEED WITH WORK IN ORDERLY AND TIMELY MANNER TO COMPLETE INSTALLATION OF LANDSCAPING WITHIN CONTRACT LIMITS.

PROTECTION:

EXISTING CONSTRUCTION: EXECUTE WORK IN AN ORDERLY AND CAREFUL MANNER TO PROTECT NEW CONCRETE WALKS, WORK OF OTHER TRADES, AND OTHER IMPROVEMENTS.

EXISTING UTILITIES: DETERMINE LOCATION OF UNDERGROUND UTILITIES AND PERFORM WORK IN A MANNER WHICH WILL AVOID POSSIBLE DAMAGE. HAND EXCAVATE, AS REQUIRED, TO MINIMIZE POSSIBILITY OF DAMAGE TO UNDERGROUND UTILITIES. MAINTAIN GRADE STAKES SET BY OTHERS UNTIL REMOVAL IS MUTUALLY AGREED UPON BY ALL PARTIES CONCERNED. BE RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES WITHIN CONSTRUCTION AREA; REPAIR DAMAGE TO UTILITIES THAT OCCUR AS A RESULT OF OPERATIONS OF THIS WORK.

LANDSCAPING: PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED AT NO ADDITIONAL COST TO CONTRACT.

ADVERSE CONDITIONS: WHEN CONDITIONS DETRIMENTAL TO SOD OR PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS, NOTIFY OWNER'S REPRESENTATIVE BEFORE STARTING WORK.

PLANTING AND TURF INSTALLATION SEASONS AND CONDITIONS

NO WORK SHALL BE DONE WHEN GROUND IS FROZEN, SNOW COVERED, TOO WET OR IN AN OTHERWISE UNSUITABLE CONDITION FOR AMENDING SOIL, FINISH GRADING OR PLANTING.

SOIL TESTING/SOIL IMPROVEMENT:

SEE SPECIFICATIONS 32 91 00, SECTION 3.02 SOIL TESTING AND SECTION 3.03 PREPARATION.

SOIL PERCOLATION

EXCAVATE TREE PLANTING PITS. FILL EXCAVATED PLANTING PITS WITH WATER TO 1/2 DEPTH OF PIT. PITS SHOULD DRAIN WITHIN 4 HOURS. IF PLANTING PITS DO NOT DRAIN, NOTIFY INSPECTOR IMMEDIATELY. PLANTING SHALL NOT BE STARTED UNTIL OWNER'S REPRESENTATIVE HAS RESOLVED A METHOD TO REMEDY DRAINAGE ISSUE.

PLANT MATERIAL STANDARDS

PLANTS SHALL BE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ANSI Z60.1- AMERICAN STANDARD FOR NURSERY STOCK, EXCEPT AS OTHERWISE STATED IN SPECIFICATIONS OR SHOWN ON DRAWINGS. WHERE DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT WITH ANSI Z60.1, DRAWINGS AND SPECIFICATIONS SHALL PREVAIL. PRUNE, THIN OUT AND SHAPE TREES IN ACCORDANCE WITH ANSI STANDARD HORTICULTURAL PRACTICE. PRUNE TREES TO RETAIN REQUIRED HEIGHT AND SPREAD. UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT, DO NOT CUT TREE LEADERS, AND REMOVE ONLY INJURED OR DEAD BRANCHES FROM FLOWERING TREES.

EXISTING LANDSCAPE AND SPRINKLER IRRIGATION SYSTEM

WORK LIMITS OF THIS PROJECT EXTEND INTO AREAS THAT WERE PREVIOUSLY DEVELOPED UNDER OTHER CONTRACTS. PRIOR TO START OF WORK, CONTRACTOR SHALL MEET WITH OWNER'S REPRESENTATIVE TO LOCATE ALL CONNECTIONS CALLED FOR ON DRAWINGS. WORK LIMITS/FENCING SHALL BE LAID OUT BY CONTRACTOR AND VERIFIED BY OWNER'S REPRESENTATIVE. FENCE TO BE INSTALLED AND IRRIGATION SYSTEM SHALL BE TESTED WITH CONTRACTOR, INSPECTOR, AND OWNER'S REPRESENTATIVE PRESENT. DEFICIENCIES SHALL BE NOTED AT THIS TIME AND ARE THE RESPONSIBILITY OF OWNER. AT COMPLETION OF WORK, SYSTEM WILL AGAIN BE TESTED, DEFICIENCIES NOTED AT THIS TIME THAT WERE NOT NOTED PREVIOUSLY WILL BE RESPONSIBILITY OF CONTRACTOR. EXISTING LANDSCAPE THAT HAS BEEN DAMAGED DUE TO CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER. PRIOR TO MAKING ANY CONNECTION TO MAIN LINE, CONTRACTOR SHALL NOTIFY OWNER 1 WEEK IN ADVANCE SO ADJUSTMENTS TO EXISTING WATERING PROGRAMS CAN BE MADE.

N

20' 10' 0 20' 40'

SCALE: 1"= 20'-0"

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CONSTRUCTION DOCUMENTS PHASE

TREE PLANTING PLAN

CONSULTANT

LICENSED LANDSCAPE ARCHITECT
BRYAN HOLLIS WALKER
5453
7/31/22
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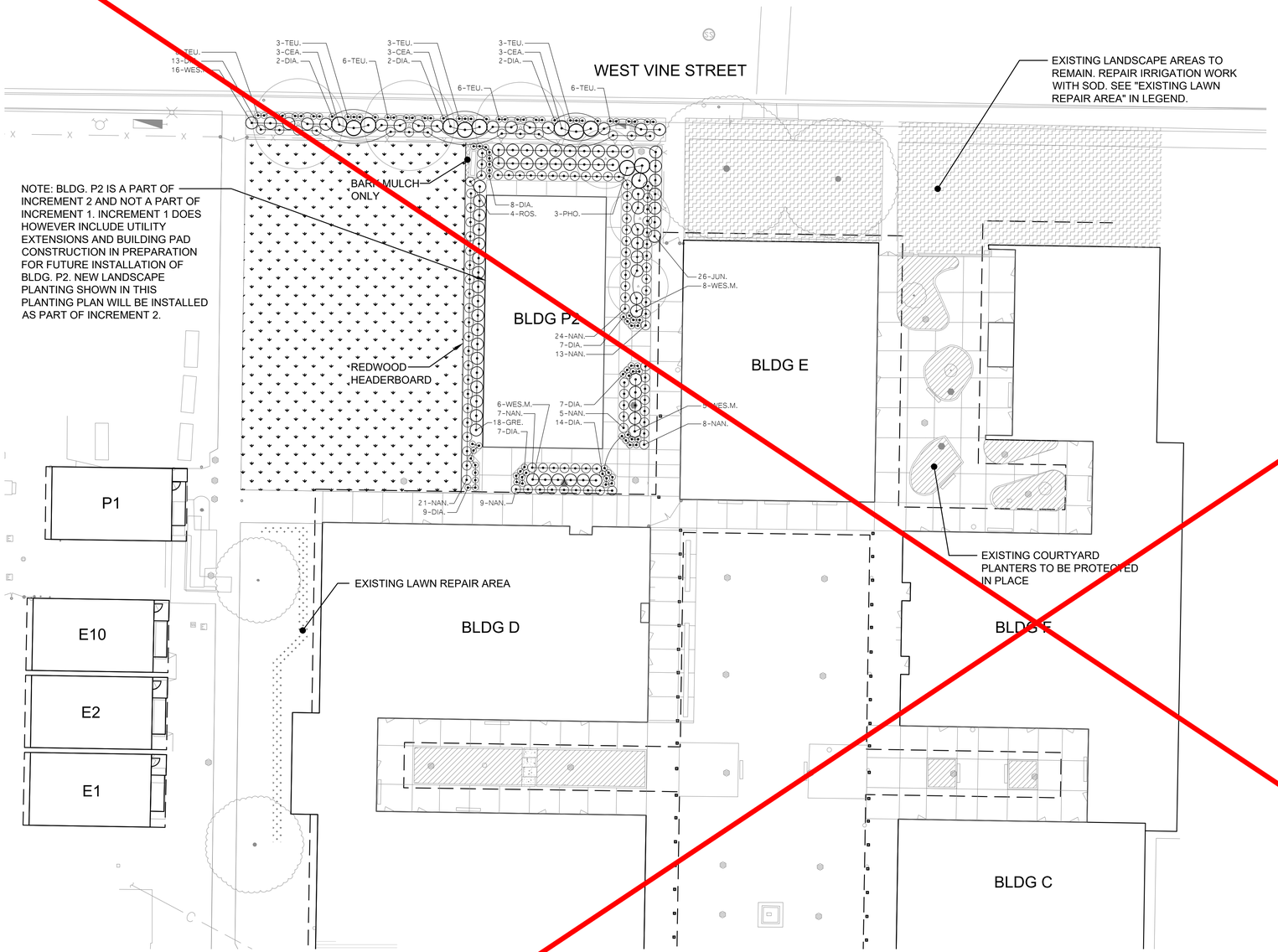

KEY / LANDSCAPE LEGEND

- TREE OUTLINE FOR REFERENCE
- EXISTING TREE TO REMAIN
- SHRUBS
- BARK MULCH ONLY
- LAWN (HYDROSEED)
- EXISTING LAWN REPAIR AREA (SOD, MINIMUM 24" WIDTH)
  MINIMUM REPAIR AREA SHOWN. CONTRACTOR RESPONSIBLE FOR REPAIRING ALL AREA DAMAGED DUE TO CONSTRUCTION ACTIVITIES.
  SEE DETAIL L4.1-8
- EXISTING LANDSCAPE AREAS TO REMAIN
- EXISTING COURTYARD PLANTERS TO BE PROTECTED
  NEW CONCRETE FORMWORK NOT TO ENCROACH INTO PLANTER EXTENTS. CONTRACTOR RESPONSIBLE FOR REPAIRING DAMAGE TO EXISTING LANDSCAPE AS NEEDED DUE TO CONSTRUCTION.
- REDWOOD HEADERBOARD
  SEE DETAIL L4.1-7
- 7 - AAE — PLANT QUANTITY
- PLANT KEY

PLANT MATERIAL LIST

WATER USE	SIZE	QUANTITY	KEY	BOTANICAL NAME ... COMMON NAME
				SHRUBS:
LOW	5 G.C.	9	CEA.	CEANOTHUS VALLEY VIOLET ... VALLEY VIOLET CEANOTHUS
LOW	5 G.C.	58	DIA.	DIANELLA REVOLUTA 'CLARITY BLUE' ... CLARITY BLUE DIANELLA
LOW	5 G.C.	13	DIE.	DIETES VEGETA ... FORTNIGHT LILY
LOW	5 G.C.	18	GRE.	GREVILLEA NOELLII ... GREVILLEA
LOW	5 G.C.	87	NAN.	NANDINA DOMESTICA 'HARBOR DWARF' ... HARBOUR DWARF HEAVENLY BAMBOO
LOW	5 G.C.	3	PHO.	PHORMIUM 'PINK STRIPE' ... PINK STRIPE NEW ZEALAND FLAX
LOW	5 G.C.	4	ROS.	ROSA 'MEISENTMIL' ... LEMON DRIFT CARPET ROSE
LOW	1 G.C.	35	TEU.	TEUCRIUM CHAMAEDRYS ... WALL GERMANDER
LOW	5 G.C.	19	WES.M.	WESTRINGIA FRUTICOSA 'MORNING LIGHT' ... MORNING LIGHT WESTRINGIA
				GROUNDCOVER:
LOW	5 G.C.	26	JUN.	JUNIPERUS HORIZONTALIS 'YOUNSTOWN' ... YOUNGSTOWN ANDORRA JUNIPER
LOW	5 G.C.	16	WES.F.	WESTRINGIA FRUTICOSA 'MUNDI' ... MUNDI WESTRINGIA

GENERAL LANDSCAPE REQUIREMENTS/NOTES

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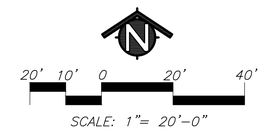

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CONSTRUCTION DOCUMENTS PHASE

SHRUB PLANTING PLAN

CONSULTANT

LICENSED LANDSCAPE ARCHITECT
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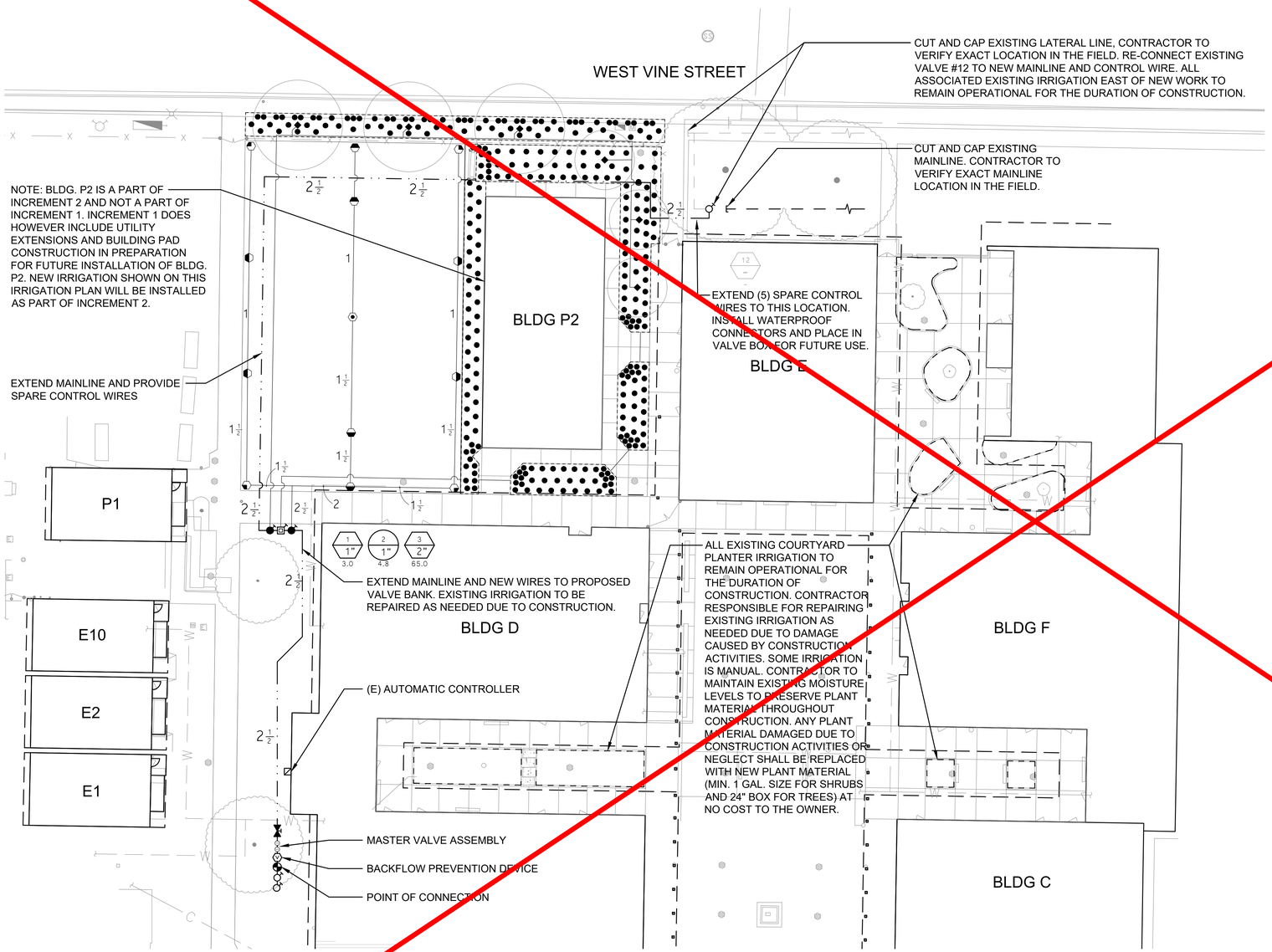

KEY

SPRINKLER IRRIGATION LEGEND

EXISTING AUTOMATIC CONTROLLER TO REMAIN:
RAINBIRD IQ CONTROLLER

POINT OF CONNECTION:
STATIC WATER PRESSURE PRIOR TO WATER METER: 55 PSI
THIS IRRIGATION SYSTEM IS DESIGNED TO OPERATE AT 40 PSI
MAXIMUM FLOW IS 65 GPM

CONTRACTOR SHALL LOCATE EXISTING MAINLINE INDICATED ON CIVIL SHEETS. CONNECT AT THIS POINT AND EXTEND AS INDICATED ON DRAWINGS.

MASTER VALVE ASSEMBLY:
COMPONENTS:
- FLOW SENSOR = 1" CREATIVE SENSOR TECHNOLOGY FSI-T PVC FLOW SENSOR
- MASTER VALVE = 1" NORMALLY CLOSED GRISWOLD #2000H.

TO BE CONNECTED TO AUTOMATIC CONTROLLER WITH UF-14 WIRE IN 1" CONDUIT.

REDUCED PRESSURE BACKFLOW PREVENTION DEVICE:
WILKINS MODEL NO. 975XL 1" SIZE. PROVIDE CONCRETE SLAB AND ENCLOSURE, PIPE STAND, AND ALL INCIDENTAL WORK. COORDINATE EXACT LOCATION IN FIELD.

GATE VALVE:
TYPE:
NIBCO NO T-113 WITH A NON-RISING STEM AND HANDWHEEL.

GATE VALVE INSTALLLED IN A VALVE BOX WITH TOP OF BOX SET FLUSH TO FINISH GRADE. GATE VALVE TO BE LINE SIZE.

EXISTING MAIN LINE TO REMAIN:

EXISTING LATERAL LINE TO REMAIN:

PRESSURE MAIN LINE:
TYPE:
ASTM D1785, PVC SCHEDULE 40

TRENCH DEPTH:
IN PLANTED AREAS: 24" MINIMUM COVER.
UNDER PAVED AREAS: 24" MINIMUM COVER.
PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

LATERAL LINE:
TYPE:
ASTM D1785, PVC SCHEDULE 40, SOLVENT WELD ALL UNSIZED PIPE SHALL BE 3/4" SIZE.
TRENCH DEPTH:
IN PLANTED AREAS:
ROTOR HEADS: - 18" MINIMUM COVER.
BUBBLER HEADS: - 12" MINIMUM COVER.
UNDER PAVED AREAS: 24" MINIMUM COVER.
PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

AUTOMATIC CONTROL VALVE:
RAINBIRD PEB-PRS-D SERIES
APPROVED EQUAL. VALVE SHALL HAVE PRESSURE REGULATION OPTION.

LAWN POP-UP ROTOR HEADS:
FULL CIRCLE
RAINBIRD: 6504-FC-SS-6
HALF CIRCLE
RAINBIRD: 6504-PC-SS-6
QUARTER CIRCLE
RAINBIRD: 6504-PC-SS-6

TREE BUBBLER HEADS (TWO PER SYMBOL):
RAINBIRD: RWS-M-B-C-1401 WITH INLINE CHECK VALVE

AUTOMATIC DRIP IRRIGATION VALVE/FILTER/PRESSURE REGULATOR:
RAINBIRD CONTROL ZONE KIT MODEL XCZ-100-PRB-COM

DRIP IRRIGATION:
EMITTER TO BE RAINBIRD XBT-20 (2 GPH) WITH PC DIFFUSER CAP.
IPS TUBING TO BE BURIED A MINIMUM DEPTH OF 3" BELOW GRADE.
EXTENSION TO EACH BUBBLER NOT SHOWN. SEE DETAIL L4.2-6 FOR INSTALLATION.
PVC SCHEDULE 40 LATERAL LINES SHOWN ON PLAN.
UNSIZED PIPE TO BE 3/4" SIZE. PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.
LIMITS OF SHRUB BUBBLER PLACEMENT
PVC SCH 40 LATERAL LINE

1 — 1" — 00 — INDICATES CONTROL VALVE AND STATION NUMBER
2 — 1" — 00 — INDICATES CONTROL VALVE SIZE
INDICATES GALLONS PER MINUTE
EXISTING IRRIGATION REPAIR AREA:

SPRINKLER IRRIGATION NOTES

1. COMPOSITE BASE SHEET: PROPOSED IMPROVEMENTS SHOWN ON DRAWINGS ARE SUPERIMPOSED ON A COMPOSITE BASE SHEET. THE COMPOSITE BASE SHEET IS A COMPILATION OF ARCHITECTURAL, ENGINEERING, AND OTHER DATA THAT IS PROVIDED. THE LANDSCAPE ARCHITECT SHALL NOT BE HELD LIABLE FOR CHANGES, INACCURACIES, OMISSIONS, OR ERRORS PERTAINING TO THE COMPOSITE BASE SHEET. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THESE DOCUMENTS. ANY DISCREPANCIES NEED TO BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM AND RESOLVED PRIOR TO CONTINUATION OF WORK.
2. DESIGN PRESSURE SHOWN ON PLANS HAS BEEN FURNISHED BY WATER COMPANY OR WATER DISTRICT SERVING SITE. VERIFY PRESSURE ON-SITE PRIOR TO THE INSTALLATION OF ANY SPRINKLER IRRIGATION EQUIPMENT. IF THERE IS A DISCREPANCY, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY IN WRITING SO ADJUSTMENTS CAN BE MADE BY LANDSCAPE ARCHITECT. FAILURE TO REPORT DISCREPANCIES AND CONTINUANCE OF WORK WILL RESULT IN ALL RE-DESIGN COSTS BEING CHARGED TO CONTRACTOR.
3. DETERMINE LOCATION OF UNDERGROUND UTILITIES. DAMAGE CAUSED BY INSTALLATION OF THIS WORK SHALL BE REPAIRED TO SATISFACTION OF GOVERNING AGENCY OR OWNER AT NO ADDITIONAL COST TO THE CONTRACT.
4. SPRINKLER OVER SPRAY SHALL NOT BE ALLOWED ON PUBLIC SIDEWALKS, BUILDING WALLS OR FENCES. MINIMUM OVERSPRAY MAY OCCUR IN PARKING AREAS. USE ADJUSTABLE NOZZLES WHENEVER POSSIBLE TO CONTROL SPRINKLER OVERSPRAY.
5. ALL LOCAL CODES AND ORDINANCES SHALL BE COMPLIED WITH. IF THERE IS A CONFLICT, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY.
6. TESTING:
   A. PRESSURE TEST ALL UNDERGROUND PIPING AS FOLLOWS:
      SYSTEMS WITH BOOSTER PUMP:
      MAIN LINE - AT 100 PSI FOR 4 HOURS.
      LATERAL LINES - AT 100 PSI FOR 2 HOURS.
      SYSTEMS WITH OUT BOOSTER PUMP:
      MAIN LINE - AT STATIC PSI FOR 4 HOURS.
      LATERAL LINES - AT STATIC PSI FOR 2 HOURS.
   B. COVERAGE TEST: NOTE: PRIOR TO REQUESTING COVERAGE TEST, INSURE ALL HEADS ARE SET PLUMB, NOZZLES ARE ADJUSTED PROPERLY AND SYSTEM HAS BEEN CHECKED FOR AUTOMATION. REQUEST OWNER'S REPRESENTATIVES PRESENCE ON-SITE WHEN SPRINKLER SYSTEM IS COMPLETELY INSTALLED AND FULLY AUTOMATIC. PROVIDE ADEQUATE PERSONNEL AT THIS MEETING TO ADJUST AND FINE TUNE SYSTEM TO SATISFACTION OF OWNER'S REPRESENTATIVE.
7. LAYOUT ALL WORK PRIOR TO TRENCHING OPERATIONS TO DETERMINE IF MINOR MODIFICATIONS OR ADJUSTMENTS WILL BE REQUIRED.
8. INSTALL ALL SPRINKLER HEADS PERPENDICULAR TO SLOPES OR GRADE.
9. CONTROL WIRE SHALL BE UF-14, COLOR FOR LEAD AND WHITE FOR COMMON. SPLICES SHALL BE PERMITTED AT VALVE BOX LOCATIONS ONLY.
10. PROVIDE AND INSTALL AUTOMATIC CONTROLLER AND UF-14 CONTROL WIRE. ELECTRICAL SUBCONTRACTOR SHALL PROVIDE 110V SERVICE AND SERVICE HOOKUP FROM POWER SOURCE TO AUTOMATIC CONTROLLER.
11. COORDINATE ALL WORK WITH OTHER TRADES SO PROGRESS OF WORK IS NOT INTERRUPTED AND CAN BE COMPLETED IN A TIMELY MANNER.
12. NO PLANTING SHALL BE STARTED UNTIL ALL SPRINKLER WORK HAS BEEN TESTED AND APPROVED IN PRESENCE OF OWNER'S REPRESENTATIVE.
13. FOR SPRINKLER IRRIGATION INSTALLATION DETAILS, SEE SHEET NO. L4.2.

20' 10' 0 20' 40'
SCALE: 1"= 20'-0"

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT STEPHEN L. HENRY C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

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LODI MIDDLE SCHOOL
(INCREMENT 1)
CONSTRUCTION DOCUMENTS PHASE

LANDSCAPE
IRRIGATION PLAN

CONSULTANT

REGISTERED LANDSCAPE ARCHITECT BRYAN HOLLIS WALKER 5453 SIGNATURE 7/31/23 RENEWAL DATE STATE OF CALIFORNIA

Bryan Hollis Walker C-5453

PROJECT NO. 21-32-051	REVISIONS	BY
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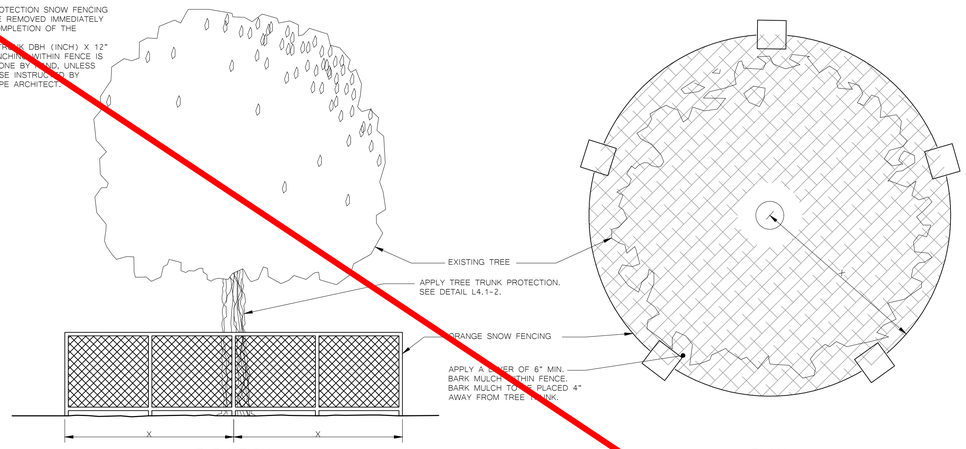
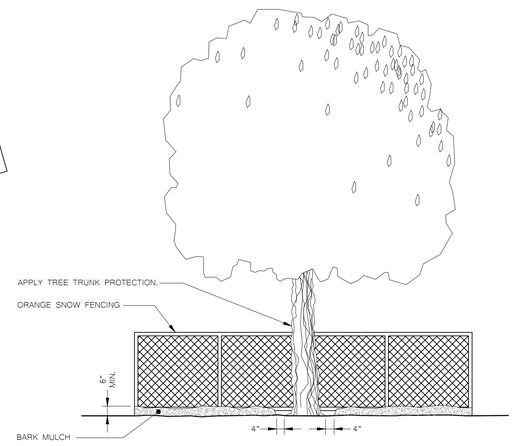
SHEET NO.
L3.1

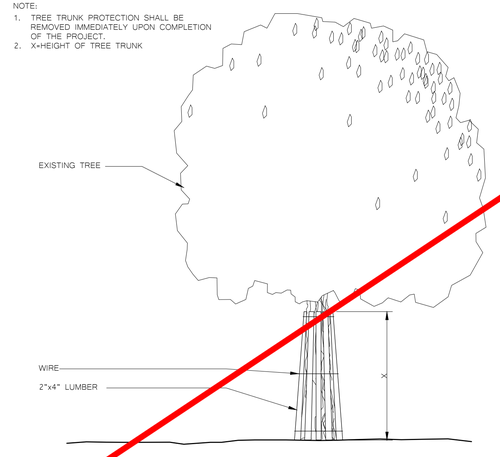
NOTE:
1. TREE PROTECTION SNOW FENCING SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE PROJECT.
2. X=TREE TRUNK DBH (INCH) X 12"
3. ALL TRENCHING WITHIN FENCE IS TO BE DONE BY HAND, UNLESS OTHERWISE INSTRUCTED BY LANDSCAPE ARCHITECT.





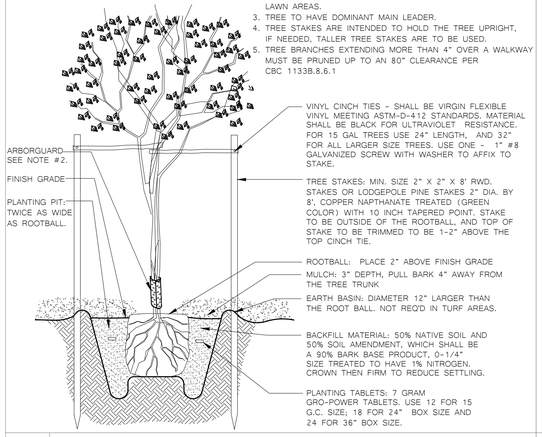
1 TREE PROTECTION FENCING DETAIL

NOTE:
1. TREE TRUNK PROTECTION SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE PROJECT.
2. X=HEIGHT OF TREE TRUNK



2 TREE TRUNK PROTECTION DETAIL

NOTES:
1. VITAMIN B-1: SUPERTHRIVE, LIQUINOX START OR EQUAL. APPLY AS PER MANUFACTURER'S INSTRUCTIONS WITH THE SECOND WATERING OF THE BASIN.
2. INSTALL ARBORGUARD TREE PROTECTION WHEN TREES ARE IN LAWN AREAS.
3. TREE TO HAVE DOMINANT MAIN LEADER.
4. TREE STAKES ARE INTENDED TO HOLD THE TREE UPRIGHT, IF NEEDED, TALLER TREE STAKES ARE TO BE USED.
5. TREE BRANCHES EXTENDING MORE THAN 4" OVER A WALKWAY MUST BE PRUNED UP TO AN 80" CLEARANCE PER CBC 1133B.8.6.1

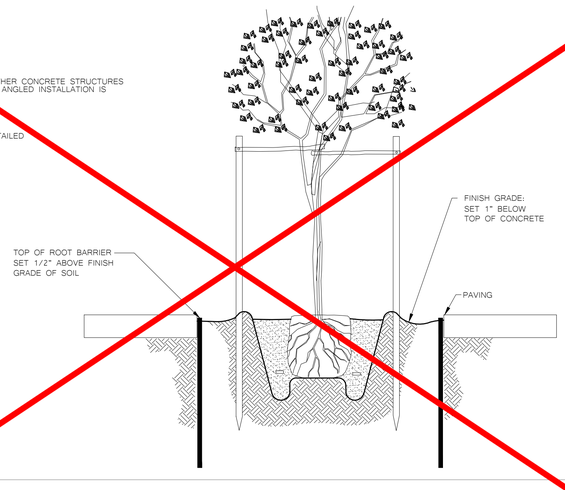


3 TREE PLANTING AND STAKING DETAIL

NOTE:
1. SEE TREE PLANTING DETAIL FOR ADDITIONAL INFORMATION.

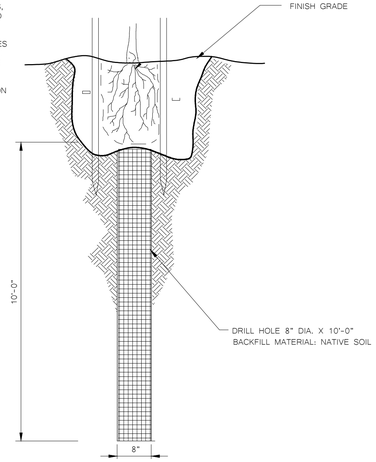
TREE ROOT BARRIER PROTECTION
1. CONTRACTOR TO REMOVE ALL CONCRETE SPOILS FROM FLATWORK, FOOTINGS OR OTHER CONCRETE STRUCTURES TO ENSURE THE ROOT BARRIER IS ADJACENT TO THE CONCRETE AND VERTICAL. ANGLED INSTALLATION IS NOT ACCEPTABLE.
2. TREE SHALL BE LOCATED IN CENTER OR MIDPOINT OF PLANTER.
3. TREE ROOT BARRIER IS TO BE INSTALLED IN LOCATIONS SHOWN ON THE PLANS.
4. TREE ROOT BARRIER SHALL BE INSTALLED ADJACENT TO EDGE OF PAVING AS DETAILED
5. PLACE ROOT BARRIER SO THAT VERTICAL RIBS FACE TOWARD THE TREE.

ROOT BARRIER
BY: DEEP ROOT PARTNERS OR NDS INC. OR APPROVED EQ.
15 GAL SIZE TREE OR LARGER:
24" MODULAR ROOT BARRIER PANEL



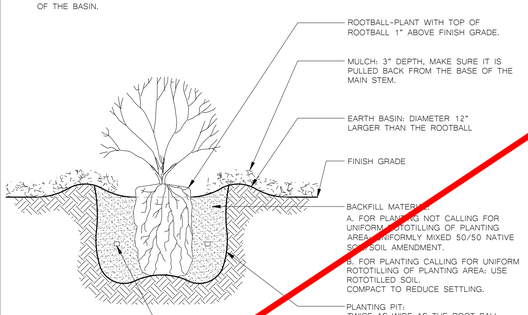
4 ROOT BARRIER CONTROL DETAIL

NOTE:
1. FOR ADDITIONAL DETAILS, SEE TREE PLANTING AND STAKING DETAIL.
2. TREE DRILLING IS REQUIRED FOR ALL TREES THAT DO NOT PASS THE PERCOLATION TEST. SEE "SOIL PERCOLATION" IN GENERAL LANDSCAPE REQUIREMENTS/NOTES ON L1.1.



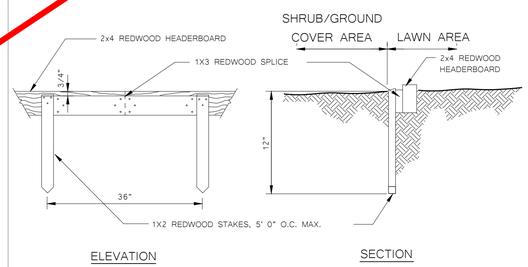
5 TREE DRILLING DETAIL

NOTE: VITAMIN B-1 SUPERTHRIVE LIQUINOX OR EQUAL. APPLY AS PER MANUFACTURE'S INSTRUCTIONS WITH SECOND WATERING OF THE BASIN.



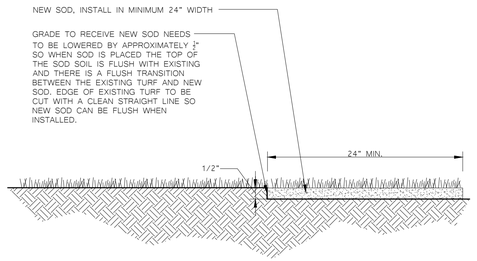
6 SHRUB PLANTING DETAIL

NOTES:
1. WHEREVER POSSIBLE INSTALL STAKES AND SPLICES ON SHRUB/GROUNDCOVER SIDE.
2. ALL LUMBER TO BE REDWOOD CONSTRUCTION ROUGH (CALIFORNIA REDWOOD ASSOCIATION GRADING)
3. LAMINATE 1X4 BOARDS FOR CURVES. USE 1X3 REDWOOD AT SPLICES. STAGGER SPLICES.



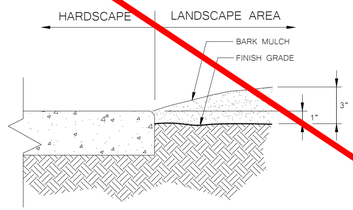
7 REDWOOD HEADERBOARD DETAIL

NOTE:
1. SEE SPECIFICATIONS FOR SOD BLEND.



8 TURF REPAIR WITH SOD DETAIL

NOTES:
1. FINISH GRADE OF SOIL TO BE 1" BELOW ADJACENT HARDSCAPE FOR BOTH LAWN AREAS AND PLANTER BED AREAS
2. BARK MULCH DEPTH DOES NOT DICTATE THE ELEVATION OF THE FINISH GRADE
3. BARK MULCH TO BE FEATHERED DOWN TO 1" DEPTH, 12" FROM EDGE OF HARDSCAPE



9 LANDSCAPE GRADE ADJACENT TO HARDSCAPE DETAIL

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LANDSCAPE PLANTING DETAILS

CONSULTANT

LICENSED LANDSCAPE ARCHITECT BRYAN HOLLIS WALKER 5453 7/21/22 7/31/23 RENEWAL DATE STATE OF CALIFORNIA

Bryan Hollis Walker C-5453

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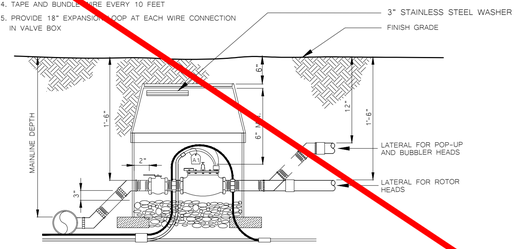
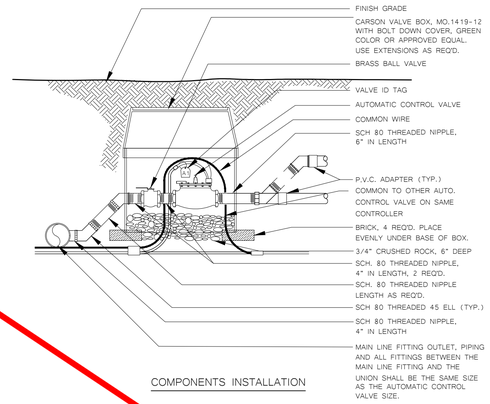
NOTES:
1. SET VALVE BOX 6" BELOW FINISH GRADE.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED.
3. CONNECT ALL WIRES WITH WEATHER TIGHT CONNECTORS. SPLICES IN WIRE SHALL BE PERMITTED ONLY AT VALVE LOCATIONS.
4. TAPE AND BUNDLE WIRE EVERY 10 FEET
5. PROVIDE 18" EXPANSION LOOP AT EACH WIRE CONNECTION IN VALVE BOX



6. FOR VALVES WITH PRESSURE REGULATION FEATURE, SET VALVE PRESSURE AS PER MANUFACTURERS RECOMMENDATIONS TO THE PRESSURE AS FOLLOWS:

POP-UP SPRAY HEADS:	30 PSI
INTERMEDIATE POP-UP ROTOR HEADS:	50 PSI
POP-UP ROTOR HEADS:	70 PSI
BUBBLER HEADS:	30 PSI

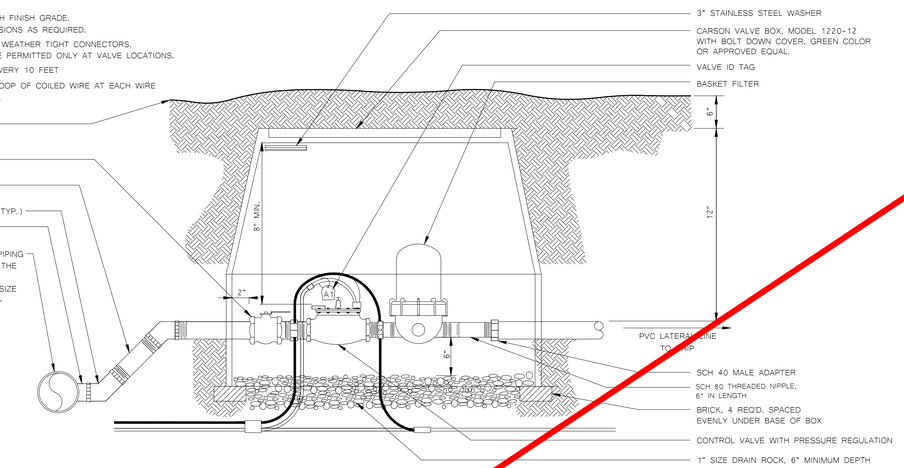
VALVE BOX, SETTINGS, AND CLEARANCES



COMPONENTS INSTALLATION

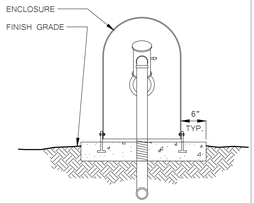
1 AUTOMATIC CONTROL VALVE/GATE VALVE DETAIL

NOTES:
1. SET VALVE BOX LEVEL WITH FINISH GRADE.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED.
3. CONNECT ALL WIRES WITH WEATHER TIGHT CONNECTORS. SPLICES IN WIRE SHALL BE PERMITTED ONLY AT VALVE LOCATIONS.
4. TAPE AND BUNDLE WIRE EVERY 10 FEET
5. PROVIDE 18" EXPANSION LOOP OF COILED WIRE AT EACH WIRE CONNECTION IN VALVE BOX.

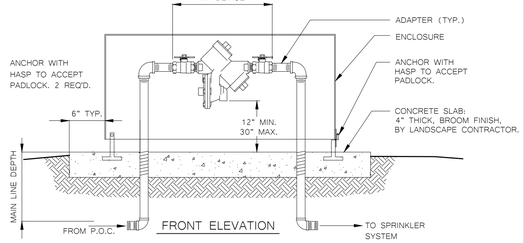


2 PRESSURE REGULATOR DRIP IRRIGATION VALVE DETAIL

NOTES:
1. INSTALL AS PER MANUFACTURERS RECOMMENDATIONS
2. PIPING AND FITTINGS SHOWN ON THE DETAIL SHALL BE COPPER.
3. THE SIZE OF ALL PIPE SHALL BE THE SAME SIZE AS THE MAINLINE.
4. ENCLOSURE TO BE AS MANUFACTURED BY GUARDSHACK OR EQUAL. FINISH TO BE POWDER COATED WITH FOREST GREEN.



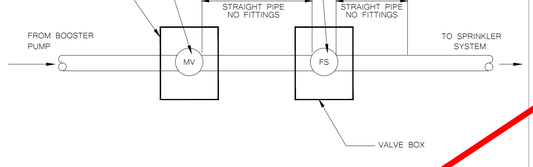
END ELEVATION



FRONT ELEVATION

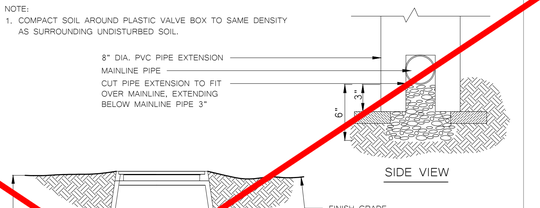
3 BACKFLOW PREVENTION DEVICE/ENCLOSURE

NOTES:
1. UF 14 WIRE AND EV-CAB-SEN CABLE NOT SHOWN, SEE OVERALL SCHEMATIC LAYOUT DETAIL.
2. VALVE BOX AND LID TO BE CONCRETE H20 TRAFFIC RATED. TOP OF BOX TO BE LEVEL, FLUSH TO FINISH GRADE IF LOCATED IN PAVED AREA., 1" ABOVE FINISH GRADE IF LOCATED IN NON PAVED AREA. USE VALVE BOX EXTENSIONS AS REQUIRED TO ENCASE VALVE AND PIPE WITHIN BOX WITH A 3" CLEARANCE BELOW. ALL PENETRATION SHALL BE SEALED FROM THE INSIDE.

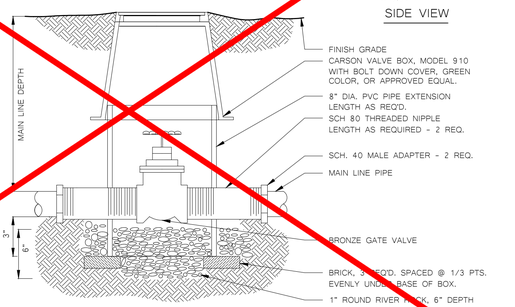


4 MASTER VALVE AND FLOW SENSOR LAYOUT

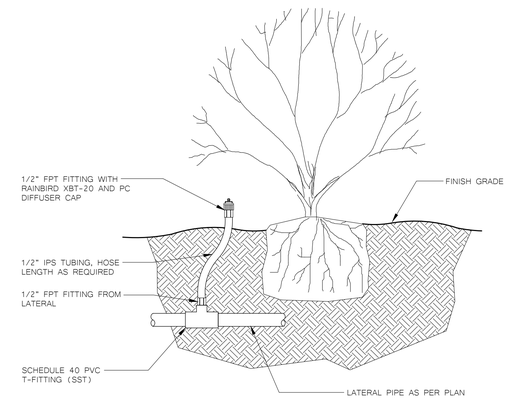
NOTE:
1. COMPACT SOIL AROUND PLASTIC VALVE BOX TO SAME DENSITY AS SURROUNDING UNDISTURBED SOIL.



SIDE VIEW

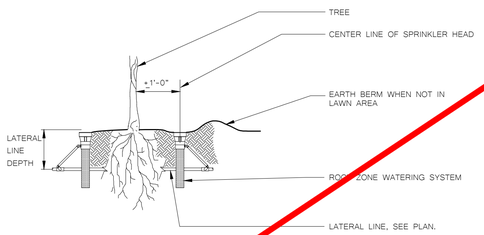


5 GATE VALVE DETAIL, 3" SIZE AND SMALLER



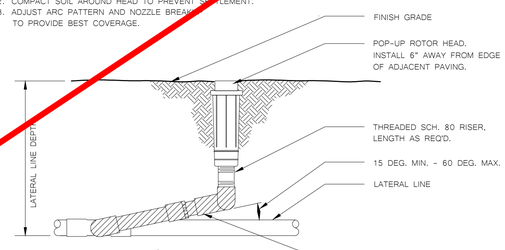
6 SHRUB BUBBLER DETAIL

NOTES:
1. SEE TREE PLANTING DETAIL FOR ADDITIONAL INFORMATION.
2. INSTALL RZWS SLEEVE OVER TUBE TO HELP PREVENT SOIL INTRUSION.

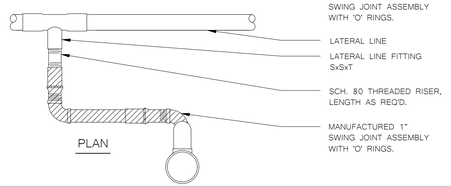


7 TREE BUBBLER HEAD DETAIL

NOTES:
1. SET BODY PLUMB SO TOP OF HEAD IS LEVEL WITH FINISH GRADE.
2. COMPACT SOIL AROUND HEAD TO PREVENT SETTLEMENT.
3. ADJUST ARC PATTERN AND NOZZLE BREAKDOWN TO PROVIDE BEST COVERAGE.



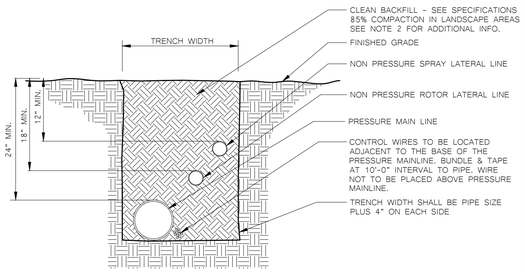
ELEVATION



PLAN

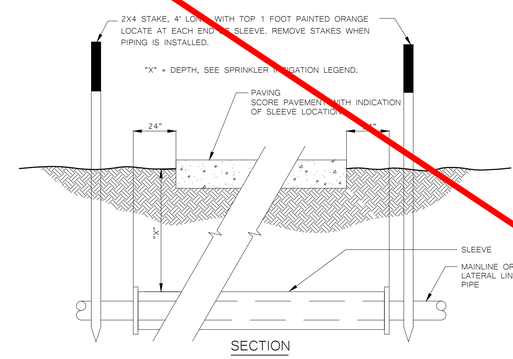
8 POP-UP ROTOR HEAD DETAIL

NOTES:
1. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.
2. WHEN TRENCHES ARE LOCATED UNDER PAVEMENT, COMPACTION RATE FOR THE BACKFILL SHALL COMPLY WITH THE COMPACTION RATES REQUIRED FOR THOSE PAVING SECTIONS.
3. PIPES TO HAVE A MINIMUM OF 6" HORIZONTAL SEPARATION WHEN PLACED IN THE SAME TRENCH ALONG WITH A MINIMUM OF 6" VERTICAL SEPARATION BETWEEN PIPES.



9 PIPE TRENCH DETAIL

NOTES:
1. ALL PIPE AND FITTINGS TO BE SCHEDULE 40, P.V.C.
2. SEE PLAN FOR LOCATION.
3. SLEEVE TO BE LARGE ENOUGH TO ACCEPT THE PIPE AND FITTINGS TO BE ENCASED.
4. PROVIDE A SEPARATE SLEEVE FOR EACH LATERAL OR MAIN CROSSING.
5. PROVIDE A SEPARATE SLEEVE FOR CONTROL WIRE
6. TAPE ALL ENDS WITH DUCT TAPE TO PREVENT ENTRY OF SOIL.



SECTION

10 SLEEVE DETAIL

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HENRY+ ASSOCIATES ARCHITECTS

LICENSED ARCHITECT STEPHEN L. HENRY C-22525 12/31/23 RENEWAL DATE STATE OF CALIFORNIA

MODERNIZATION
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CONSTRUCTION DOCUMENTS PHASE

LANDSCAPE IRRIGATION DETAILS

CONSULTANT

LICENSED LANDSCAPE ARCHITECT BRYAN HOLLIS WALKER 5453 7/21/22 7/31/23 RENEWAL DATE STATE OF CALIFORNIA

Bryan Hollis Walker C-5453

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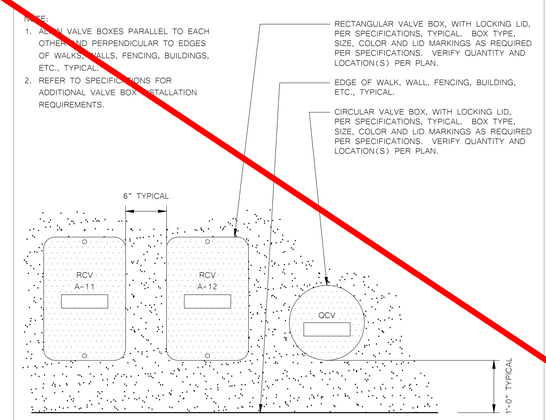
SHEET NO.

L4.2

NOTE:
1. ALIGN VALVE BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGES OF WALKS, WALLS, FENCING, BUILDINGS, ETC., TYPICAL.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL VALVE BOX INSTALLATION REQUIREMENTS.



1 TYPICAL VALVE BOX LAYOUT

IRRIGATION HYDROZONE INFORMATION TABLE

STATION #/HYDROZONE	PLANT WATER USE TYPE	PLANT FACTOR (PF)	HYDROZONE AREA (HA) (SQ.FT.)	PF x HA (SQ.FT.)	IRRIGATION EFFICIENCY (IE)	ETWU (GALLONS)
1	TREE - MEDIUM	0.5	120	60.0	0.81	3745
2	SHRUB - LOW	0.2	3,778	755.6	0.81	27,009
3	LAWN - HIGH	0.8	8,577	6861.6	0.75	264,894
		TOTAL AREA	12,475		ETWU TOTAL	294,049
		TOTAL AREA (SLA)	8,577			
Eto (Lodi)	46.7					
ESTIMATED TOTAL WATER USAGE (ETWU) = (ETo)(0.62)(PF)(HA)/IE = GAL/YEAR						
MAXIMUM APPLIED WATER ALLOWANCE (MAWA) = (ETo)(0.62)[(0.45 x LA)+(0.55 x SLA)] = GAL/YEAR						
					MAWA TOTAL	299,127

LANDSCAPE HYDROZONE INFORMATION TABLE

STATION #/HYDROZONE	PLANT WATER USE TYPE	IRRIGATION TYPE	HYDROZONE AREA (HA) (SQ.FT.)	% OF TOTAL LANDSCAPE AREA
1	TREE - MEDIUM	BUBBLER	120	1.0%
2	SHRUB - LOW	POINT-SOURCE DRIP	3,778	30.3%
3	LAWN - HIGH	ROTOR	8,577	68.8%
		TOTAL AREA	12,475	100.0%

IRRIGATION SCHEDULE TABLE

| STATION #/HYDROZONE | PLANT WATER USE TYPE | PLANT FACTOR (PF) | IRRIGATION TYPE | FLOW (GPM) | PRECIP. RATE (PR) INCH/HR | IRRIGATION EFFICIENCY (IE) | SOIL TYPE | ROOT DEPTH | SLOPE | EXPOSURE | MAINTENANCE PERIOD (X/Y Z GAL) | | | | | |