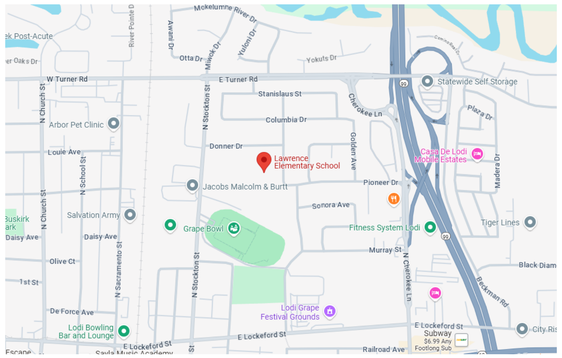
LAWRENCE ELEMENTARY SCHOOL

721 CALAVERAS ST, LODI, CA 95240

LODI UNIFIED SCHOOL DISTRICT

RELOCATED PORTABLE



VICINITY MAP
N.T.S.

APPLICABLE CODES [Effective January 1, 2025 (u.o.n.)]:

TITLE 19, C.C.R. PUBLIC SAFETY DIVISION 1, STATE FIRE MARSHAL REGULATIONS
TITLE 24, C.C.R. PART 1, 2025 BUILDING STANDARDS ADMINISTRATIVE CODE
TITLE 24, C.C.R. PART 2, 2022 CALIFORNIA BUILDING CODE, VOL. 1 & 2
TITLE 24, C.C.R. PART 3, 2022 CALIFORNIA ELECTRICAL CODE
TITLE 24, C.C.R. PART 4, 2022 CALIFORNIA MECHANICAL CODE
TITLE 24, C.C.R. PART 5, 2022 CALIFORNIA PLUMBING CODE
TITLE 24, C.C.R. PART 6, 2022 CALIFORNIA ENERGY CODE
TITLE 24, C.C.R. PART 9, 2022 CALIFORNIA FIRE CODE
TITLE 24, C.C.R. PART 10, 2022 CALIFORNIA EXISTING BUILDING CODE
TITLE 24, C.C.R. PART 11, 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
TITLE 24, C.C.R. PART 12, 2022 CALIFORNIA REFERENCE STANDARDS
(SEE 2022 CBC CHAPTER 35 AND CFC CHAPTER 80 FOR REFERENCED STANDARDS CURRENTLY IN AFFECT)
2023 CALIFORNIA BUILDING CODE VALUATION THRESHOLD: $195,358
2022 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)
2022 NFPA 24, PRIVATE FIRE MAINS
2022 NFPA 72, NATIONAL FIRE ALARM CODE

INSPECTOR CLASSIFICATION:

A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. A MINIMUM CLASS 3 INSPECTOR IS REQUIRED.

DEFERRED APPROVALS:

NONE

DSA PROJECT TRACKING NUMBER: 68585-298

FILE NUMBER: 39-50

APPLICATION NUMBER: 02-123755

SCOPE OF WORK:

- A 960 (1,140 SF W/ OVERHANGS) SQUARE FOOT PORTABLE CLASSROOM BUILDING RELOCATED FROM LODI MIDDLE SCHOOL (DSA# 69158 SERIAL #97-R286-030A/B). BUILDING IS TO BE MOVED AS SEPARATE MODULES AND THEN RECONNECTED ON SITE.
- BUILDING TO BE SET ON A WOOD FOUNDATION O/ ASPHALT PAVING.
- PROVIDE A METAL RAMP (PC #04-122262) TO ACCESS THE PORTABLE BUILDING.
- BUILDING TO BE CONNECTED TO THE SITE'S FIRE ALARM, DATA, INTERCOM, EMS, AND INTRUSION ALARM SYSTEMS
- ACCESSIBLE PATH OF TRAVEL UPGRADES

EXEMPTIONS:

- FENCING IS NOT PART OF DSA/SSS REVIEW AS PER DSA IR A-22
- EPOXY SHEAR DOWELS IN SITE FLATWORK IS EXEMPT FROM STRUCTURAL TESTS & SPECIAL INSPECTIONS. REFER TO DSA 103-22 IN THE PROJECT MANUAL.

FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION:

- ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC, DSA BU 24-05, AND THE WRITTEN SITE SAFETY PLAN.

THIS PROJECT (02-123755) CANNOT BE CERTIFIED UNTIL THE FOLLOWING PROJECTS ARE CERTIFIED:

- 02-123434 (ACCESSIBILITY UPGRADES TO RESTROOM AND PATH OF TRAVEL)

ARCHITECTNICA

OWNER

LODI UNIFIED SCHOOL DISTRICT
1305 East Vine Street
Lodi, CA 95240

DISTRICT SUPERINTENDENT:
Dr. Neil Young
P: (209) 331-7010
E: nyoung@lodiusd.net

PLANNING ANALYST
Desire Wise
P: (209) 331-7225
E: dwise@lodiusd.net

CIVIL ENGINEER

WARREN CONSULTING ENGINEERS, INC.
1117 Winfied Way, Suite 110
El Dorado Hills, CA 95762
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F: (916) 985-1877
E: anthony@wceinc.com
E: jim@wceinc.com

Design Team:
Anthony Tassano, P.E. - Principal
Jim Stephens, Project Manager

ARCHITECT

ARCHITECHNICA

555 W. Benjamin Holt Drive, Suite 423
Stockton, CA 95207
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F: (209) 952-2442
E: hello@architechnica.net
www.architechnica.net

Design Team:
Bob Machado, AIA - Principal Architect
Tim Dearborn, AIA - Principal Architect
Ellie Duran, AIA - Project Architect
Leilani Gnall-Gregory - Project Manager
William Boone, Jr. - Project Manager
Haya Dajani - Designer / Project Technician
Moises Torres - Designer / Project Technician
Chris Brown - Designer / Project Technician

ELECTRICAL ENGINEER

HCS ENGINEERING, INC.

4512 Feather River Dr., Suite F
Stockton, CA 95219
P: (209) 478-8270
F: (209) 478-2169
E: richard@hcs-eng.com
www.hcs-eng.com

DESIGN TEAM:
Richard Smith, P.E. - Principal Electrical Designer

CA ENERGY CODE ACCEPTANCE TESTS

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 COMPLETEION. AB ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING IN COPLIANCE WITH ENERGY CODE.

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

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

ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY 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.

ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

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 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).

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

SUBSTITIONS 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.

NOTE: PER IR 16-1 SECTION 5.3 DETERIORATION OR EXISTING NON-COMPLIANT CONSTRUCTION, IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CBC IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, THE CONDITION MUST BE CORRECTED IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS. A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DSA BEFORE PROCEEDING WITH THE REPAIR WORK.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

ARCHITECHNICA
555 West Benjamin Holt Drive, Suite 423
Stockton, California 95207
P: (209) 952-5850
F: (209) 952-2442
E: hello@architechnica.net

www.architechnica.net

LICENSED ARCHITECT · TIMOTHY L. DEARBORN · C-25928 · RENEWAL 12 / 2025 · STATE OF CALIFORNIA

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CONSULTANT

LAWRENCE ELEMENTARY

721 CALAVERAS ST.,
LODI, CA 95240

LODI UNIFIED SCHOOL DISTRICT

REVISIONS

PROJECT NO: 2025-03
ISSUE SET: DSA SUBMITTAL
ISSUE DATE: 11/12/2025
DRAWN BY: HD

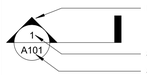
COVER SHEET

G0.0

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11/19/2025 11:59:52 AM

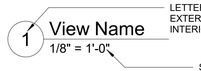
SYMBOLS LEGEND

BUILDING SECTION



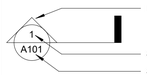
DIRECTION OF VIEW
SECTION LETTER/NUMBER
SHEET ON WHICH SECTION IS DRAWN

DRAWING TITLE



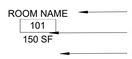
LETTER/NUMBER OF PLAN, SECTION, EXTERIOR ELEVATION, GROUP OF INTERIOR ELEVATIONS
SCALE

WALL SECTION



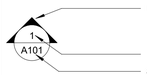
DIRECTION OF VIEW
SECTION LETTER/NUMBER
SHEET ON WHICH SECTION IS DRAWN

ROOM NUMBER



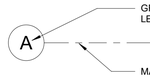
ROOM NAME
ROOM NUMBER
ROOM AREA

EXTERIOR ELEVATION MARK



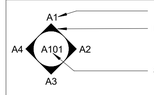
DIRECTION OF VIEW
ELEVATION LETTER/NUMBER
SHEET ON WHICH ELEVATION IS DRAWN

GRID LINES



GRID LETTER/NUMBER
MAJOR DIMENSION POINT

INTERIOR ELEVATION MARK

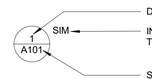


ELEVATION LETTER/NUMBER
DIRECTION OF VIEW
SHEET ON WHICH ELEVATION(S) IS DRAWN

TAGS

A	WINDOW / STOREFRONT MARK - SEE WINDOW SCHEDULE
101	DOOR NUMBER - SEE DOOR SCHEDULE
01	CABINET MARK - SEE MILLWORK SCHEDULE
A	TOILET RM ACCESSORY MARK - SEE ACCESSORY SCHEDULE
A	EQUIPMENT MARK - SEE EQUIPMENT SCHEDULE
MTRL	MATERIAL / FINISH MARK - SEE FINISH SCHEDULE
KEYNOTE ID	ID NOTE - SEE INDIVIDUAL SHEETS FOR DESCRIPTION

DETAIL MARK



DETAIL LETTER/NUMBER
INDICATES SIMILAR CONDITION TO REFERENCED DETAIL
SHEET ON WHICH DETAIL IS DRAWN



PROJECT NORTH
TRUE NORTH (COMPASS NORTH)

STATEMENT OF GENERAL CONFORMANCE

APPLICATION NO.: 02-123755
FILE NO.: 39-50

THE DRAWINGS IDENTIFIED AS FOLLOWS:

- [X] ALL DRAWING SHEETS INCLUDED IN THIS SET NOT BEARING MY STAMP AND SIGNATURE
- [ ] DRAWING SHEETS DENOTED IN THE SHEET INDEX AS FOLLOWS: _____
- [ ] DRAWING SHEETS INCLUDED UNDER THE FOLLOWING PC APPROVAL(S): _____

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND AUTHORIZED TO PREPARE SUCH DRAWINGS (PLANS) IN THIS STATE. THEY HAVE BEEN EXAMINED BY ME FOR:

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

PER TITLE 24, PART 1, SECTION 4-316(B):THIS 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.

Signature		11/12/2025
		Date
TIMOTHY DEARBORN, AIA	C-25928	12 / 2025
Print Name	License Number	Expiration Date

DESIGN DATA

FOR USE BY THE DIVISION OF THE STATE ARCHITECT
LAWRENCE ELEMETARY SCHOOL

(E) BRIDGE PORTABLE "G"

DSA APP. NO. :	02-123434
OCCUPANCY GROUP	E
CONSTRUCTION TYPE	VB
FIRST FLOOR AREA	960 SF
OVERHANGS	177 SF
FIRE SPRINKLERED:	NO

(N) RELOCATED PORTABLE "H"

DSA APP. NO. :	02-123755
OCCUPANCY GROUP	E
CONSTRUCTION TYPE	VB
FIRST FLOOR AREA	960 SF
OVERHANGS	177 SF
FIRE SPRINKLERED:	NO
TOTAL AREA	2,274 SF

ALLOWABLE HEIGHT (NON SPRINKLERED TYPE VB) = 40'
ACTUAL HEIGHT = 11'-9" < 40' - OK

ALLOWABLE AREA (E OCCUPANCY) = 9,500 SF
ACTUAL BUILDING AREA = 2,274 SF < 9,500 SF - OK

DESIGN CRITERIA
ASCE 7-16
SNOW = 0 PSF
LIVE LOAD = 50 PSF
ROOF LIVE LOAD = 20 PSF
RAMP LIVE LOAD = 100 PSF

WIND
RISK CATEGORY = II
V = 94 MPH
Vasd = 73MPH

SEISMIC
RISK CATEGORY= II
SITE CLASS = D (DEFAULT)
Ss = 0.602
SDS = 0.529
SDC = D
LATERAL FORCE RESISTING SYSTEM: ORDINARY MOMENT FRAME (ORF)
R=3.5
Cd = 3

SOIL BEARING CAPACITY: 1,000 PSF PER DRAWING A0.0

CLIMATE ZONE: 12

NOTE: ARCHITECT OF RECORD (AOR) SHALL CONTACT THE LOCAL FIRE DEPARTMENT AND/OR EMERGENCY COMMUNICATIONS AUTHORITY TO OBTAIN DESIGN AND EQUIPMENT SPECIFICATIONS, AND TESTING AND ACCEPTANCE CRITERIA. IT IS THE RESPONSIBILITY OF THE DESIGN PROFESSIONAL/AOR TO SUBMIT PLANS AND REQUESTED DOCUMENTATION, AND APPLICABLE FEES, TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROCAL. UPON COMPLETION, COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS AND PROOF OF TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT. THE PROJECT INSPECTORS SHALL VERIFY THAT DOCUMENTATION IS PROVIDED TO THE SCHOOL DISTRICTS



SHEET INDEX

GENERAL
G0.0 COVER SHEET
G0.1 ABBREVIATIONS, DESIGN DATA, SYMBOL LEGEND & SHEET INDEX
G1.1 LOCAL FIRE AUTHORITY REVIEW SITE PLAN
G1.2 ACCESSIBILITY REVIEW SITE PLAN

CIVIL
C0.1 CIVIL GENERAL NOTES AND ABBREVIATIONS
C1.1 TOPOGRAPHIC SURVEY AND DEMOLITON PLAN
C2.1 GRADING AND PAVING PLAN
C3.1 DETAILS

ARCHITECTURAL
AA1.1 ENLARGED SITE PLAN - DEMO
AA1.2 ENLARGED SITE PLAN - PROPOSED
AA1.5 SITE DETAILS
AA2.0 RESTROOM FLOOR PLAN AND INTERIOR ELEVATIONS PER DSA# 02-123434

ELECTRICAL
ES0.1 GENERAL NOTES, LEGEND, STRUCTURAL SAFETY NOTES
ES0.2 CONSTRUCTION DETAILS
ES0.3 FIRE ALARM DETAILS
ES1.1 ELECTRICAL PLAN
ES2.1 SIGNAL PLANS

MECHANICAL
M1.0 PELICAN EMS DETAILS

TMP RAMP PC (DSA #04-122262)
1 COVER SHEET
2 ACCESSIBLE RAMP ELEVATIONS & DETAILS
3 ACCCESSIBLE RAMP DETAILS & NOTES
4 DETAILS AND NOTES

RELOCATABLE CLASSROOM (DSA #69156)
TS-1 TITLE & BUILDING DATA NOTES
N-1 GENERAL NOTES
.1 FLOOR PLAN & NOTES
.2 EXTERIOR ELEVATIONS
.3 CEILING GRID, DETAILS & NOTES
S1 FOUNDATION PLAN WOOD, DETAILS & NOTES 50#
S2 FLOOR FRAMING PLAN & BUILDING SECTIONS
S2B BUILDING SECTIONS AND WALL DETAILS
S3 ROOF FRAMING PLAN & DETAILS
S4 FRAMING ELEVATIONS & DETAILS
M1 MECHANICAL PLAN, DETAILS & NOTES
E1 ELECTRICAL PLAN, DETAILS & NOTES
SHEET COUNT: 34

ARCHITECTURAL ABBREVIATIONS

@	AT
#	NUMBER
°	DEGREE(S)
Ø	DIAMETER
[A]	
AB	ANCHOR BOLT
APPROX	APPROXIMATE
AP	ACCESS PANEL
ANOD	ANODIZE
ALUM	ALUMINUM
AGG	AGGREGATE
AFF	ABOVE FINISH FLOOR
ADJT	ADJUSTABLE
ADJ	ADJACENT
ADH	ADHESIVE
AD	AREA DRAIN
ACT	ACOUSTIC CEILING TILE
ACC	ACCESS
AC	AIR CONDITIONING
ABV	ABOVE
ARCH	ARCHITECT(URAL)
ASB	ASBESTOS
ASPH	ASPHALT
AUTO	AUTOMATIC
AVG	AVERAGE
[B]	
BEL	BELOW
BETWN	BETWEEN
BIT	BITUMINOUS
BJT	BEDJOINT
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BENCH MARK
BOT	BOTTOM
BRG	BEARING
BRK	BRICK
BRZ	BRONZE
BSMT	BASEMENT
BUR	BUILT-UP-ROOF
BVL	BEVELED
BD	BOARD
[C]	
CAB	CABINET
CAD	CADMIUM
CB	CATCH BASIN
CEM	CEMENT
CER	CERAMIC
CFL	COUNTERFLASH
CFT	CUBIC FT
CHAM	CHAMFER
CHBD	CHALKBOARD
CHT	CEILING HEIGHT
CI	CAST IRON
CIR	CIRCLE
CJT	CONTROL JOINT
CLG	CEILING
CLR	CLEAR(ANCE)
CLS	CLOSURE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMB	COMBINATION
COMP	COMPARTMENT
COMPO	COMPOSITION
CONC	CONCRETE
CONST	CONSTRUCT(ION)
CONT	CONTINUOUS
CONTR	CONTRACT(OR)
CPT	CARPET
CR	CLASSROOM
CRC	COLD ROLLED CHANNEL
CSMT	CASEMENT
CT	CERAMIC TILE
CTR	COUNTER
CTSK	COUNTERSUNK
CYD	CUBIC YARD
[D]	
DA	DOUBLE ACTING
DEM	DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DH	DOUBLE HUNG
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVISION
DL	DEAD LOAD
DP	DAMP-PROOFING
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DW	DUMPWATER
DWG	DRAWING
[E]	
E	EXISTING
E	EAST
EA	EACH
EF	EACH FACE
EJT	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC
EMER	EMERGENCY
ENC	ENCLOSURE
EP	EDGE OF PAVING
EQ	EQUAL
EQPT	EQUIPMENT
EST	ESTIMATE
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXC	EXCAVATE
EXH	EXHAUST
EXIST'G	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
[F]	
FA	FIRE ALARM
FASTN	FASTEN(ER)
FBD	FIBERBOARD
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FFL	FINISH FLOOR LINE
FGL	FIBERGLASS
FHMS	FLAT HEAD MACHINE SCREW
FHSTS	FLAT HEAD SELF-TAPPING SCREW
FHWS	FLAT HEAD WOOD SCREW
FIN	FINISH
FLG	FLASHING
FLOUR	FLOURESCENT
FLR	FLOOR(ING)
FND	FOUNDATION
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOS	FACE OF STUDS OR SHEATHING
FPL	FIREPLACE
FTG	FOOTING
FUT	FUTURE
[G]	
GA	GAGE, GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GI	GALVANIZED IRON
GKT	GASKET
GL	GLASS
GRD	GRADE, GRADING
GRND	GROUND
GVL	GRAVEL
GYPBD	GYPSUM BOARD
[H]	
HB	HOSE BIB
HBD	HARDBOARD
HC	HOLLOW CORE
HDR	HEADER
HDWD	HARDWOOD
HDWR	HARDWARE
HJT	HEAD JOINT
HOR	HORIZONTAL
HT	HEIGHT
HTG	HEATING
HVAC	HEATING, VENTILATING & AIR-CONDITION
HW	HOT WATER
[I]	
ID	INSIDE DIAMETER
INCIN	INCINERATOR
INCL	INCLUDE
INSUL	INSULATE, INSULATION
INT	INTERIOR
INTM	INTERMEDIATE
INV	INVERT
IP	IRON PIPE
[J]	
JAN	JANITOR
JST	JOIST
JT	JOINT
[K]	
KCPL	KEEN CEMENT PLASTER
KIT	KITCHEN
KO	KNOCKOUT
KPL	KICKPLATE
[L]	
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE
LAV	LAVATORY
LBL	LABEL
LH	LEFT HAND
LL	LIVE LOAD
LPT	LOW POINT
LT	LIGHT
LTWT	LIGHT WEIGHT
LTL	LINTEL
LVR	LOUVER
[M]	
MAX	MAXIMUM
MB	MACHINE BOLT
MBR	MEMBER
MC	MEDICINE CABINET
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MED	MEDIUM
MET	METAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MLD	MOLDING
MO	MASONRY OPENING
MOD	MODULE, MODULAR
MT	MOUNT(ED)
MTFR	METAL FURRING
MTHR	METAL THRESHOLD
MTL	MATERIAL, METAL
MULL	MULLION
MWK	MILLWORK
[N]	
N	NORTH
NAT	NATURAL
NIC	NOT IN CONTRACT
NL	NAILABLE
NO	NUMBER
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
[O]	
OC	ON CENTER
OA	OVERALL
OBS	OBSCURE
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OHMS	OVAL HEAD MACHINE SCREW
OHWS	OVAL HEAD WOOD SCREW
OLF	OCCUPANCY LOAD FACTOR
OPG	OPENING
OPH	OPPOSITE HAND
OPP	OPPOSITE
[P]	
PAR	PARALLEL
PB	PANIC BAR
PBD	PARTICLE BOARD
PCF	POUNDS PER CUBIC FOOT
PED	PEDESTAL
PERF	PERFORMANCE
PHWS	PHILIPS HEAD WOOD SCREW
PL	PROPERTY LINE, PLATE
PLAS	PLASTER
PLASLAM	PLASTIC LAMINATE
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT
PRE-FIN	PREFINISHED
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PTDF	PRESSURE TREATED DOUGLAS FIR
PTN	PARTITION
PVC	POLY VINYL CHLORIDE
PVMT	PAVEMENT
[Q]	
QT	QUART
QUAN	QUANTITY
[R]	
RA	RETURN AIR
RAD	RADIUS
RCF	REINFORCED CONCRETE FOOTING
RD	ROOF DRAIN
REF	REFERENCE
REFG	REFRIGERATOR
REG	REGISTER
REINF	REINFORCE
RET	RETURN
REV	REVISION, REVISE
RFG	ROOFING
RFL	REFLECTANT(IVE)
RH	RIGHT HAND
RHWS	ROUND HEAD WOOD SCREW
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RWD	REDWOOD
RWL	RAIN WATER LEADER
RR	RESTROOM
[S]	
S	SOUTH
SC	SOLID CORE
SCHED	SCHEDULE
SD	STORM DRAIN
SECT	SECTION
SER	SERVICE
SH	SHELF
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SPEC	SPECIFICATION
SPKR	SPEAKER
SQ	SQUARE
SS	SERVICE SINK
SST	STAINLESS STEEL
ST	STEEL
STD	STANDARD
STG	SEATING
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SYM	SYMBOL
SYN	SYNTHETIC
SYS	SYSTEM
[T]	
TOC	TOP OF CONCRETE
TOP	TOP OF PAVING
TP	TOILET PARTITION
T&G	TOUNGUE AND GROOVE
TEL	TELEPHONE
TER	TERMINAL
THK	THICK(NESS)
THRES	THRESHOLD
TKBD	TACKBOARD
TOPO	TOPOGRAPHICAL
TRANS	TRANSOM
TYP	TYPICAL
TO	TOP OF
[U]	
UC	UNDERCUT
UNFIN	UNFINISHED
UR	URINAL
[V]	
VJ	VERTICAL JOINT
VAR	VARNISH
VCT	VINYL COMPOSITION TILE
VEN	VENEER
VERT	VERTICAL
VF	VINYL FABRIC
VFTW	VINYL FABRIC TACK WALL
VG	VERTICAL GRAIN
VGDF	VERTICAL GRAIN DOUGLAS FIR
VT	VINYL TILE
[W]	
W	WEST
WAINS	WAINSCOT
WC	WATER CLOSET
WD	WOOD
WF	WIDE FLANGE
WGLS	WIRE GLASS
WH	WALL HUNG, WATER HEATER
W/	WITH
WI	WROUGHT IRON
WIN	WINDOW
WO	WITHOUT
WP	WEATHER PROOF
WR	WEATHER RESISTANT
WT	WEIGHT
WWF	WELDED WIRE FABRIC

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

ARCHITECHNICA
555 West Benjamin Holt Drive, Suite 423
Stockton, California 95207
P: (209) 952-5850
F: (209) 952-2442
E: hello@architechnica.net

www.architechnica.net

LICENSED ARCHITECT · TIMOTHY L. DEARBORN · C-25928 · RENEWAL 12 / 2025 · STATE OF CALIFORNIA

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CONSULTANT

LAWRENCE ELEMENTARY
721 CALAVERAS ST.,
LODI, CA 95240

LODI UNIFIED SCHOOL DISTRICT

REVISIONS

PROJECT NO: 2025-03
ISSUE SET: DSA SUBMITTAL
ISSUE DATE: 11/12/2025
DRAWN BY: HD

ABBREVIATIONS, DESIGN DATA, SYMBOL LEGEND & SHEET INDEX

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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:	RELOCATED PORTABLE / LAWRENCE ELEMENTARY SCHOOL
Project Address:	721 CALAVERAS ST., 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: Fire Hazard Severity Zones in State Responsibility Area	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.			✓	
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: Edith Hilbert Title: Executive Director Operations

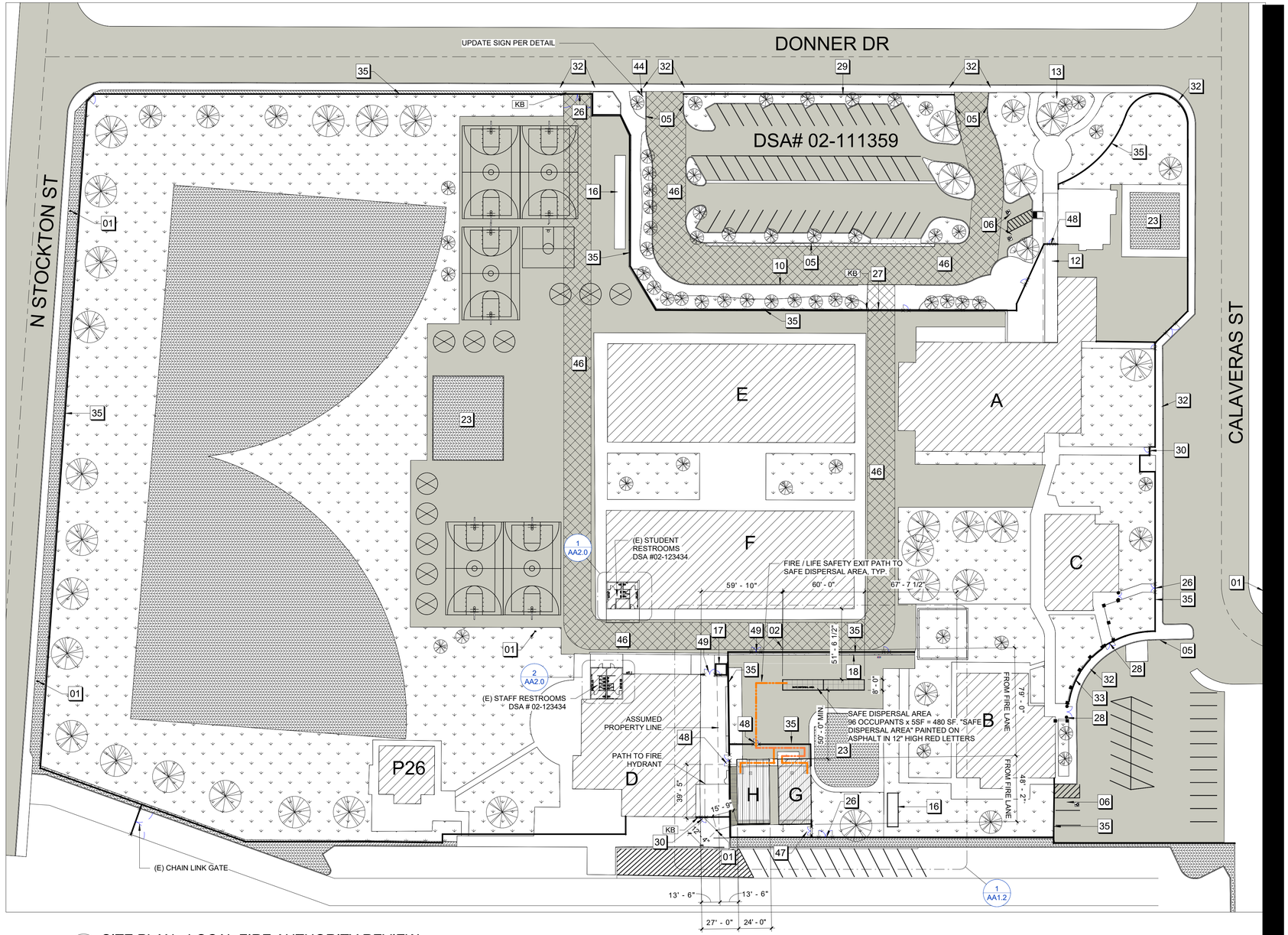
Signature: [signature] Date: 10/10/25

LOCAL FIRE AUTHORITY (LFA) INFORMATION			
LFA Agency Name:	LODI FIRE DEPARTMENT		
LFA Review Official:	RYAN SINGER		
Title:	FIRE MARSHALL	Work Phone:	209 333 5553
Work Email:			
LFA Reviewer's Signature:	[signature]	Date:	10/6/2025

*DISTANCE FROM FIRE HYDRANT TO NEW BUILDING IS 15' - 9", FOR THIS CONDITION THE PROXIMITY OF THE FIRE HYDRANT BEING LESS THAN THE 40'-0" FROM THE BUILDING AS REQUIRED BY NFPA 24 SECTION 7.2.3 IS ACCEPTABLE.

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA

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

SITE PLAN NOTES - MASTER

1 - EXISTING

01	(E) FIRE HYDRANT
02	(E) LIGHT POLE
05	(E) RED PAINTED CURB W/ NO PARKING LABELS
06	(E) ADA PARKING & SIGNAGE
10	(E) LOADING ZONE W/ GREEN PAINTED CURB
12	(E) COVERED WALKS
13	(E) MONUMENT / SCHOOL SIGN
16	(E) STORAGE CONTAINERS
17	(E) EQUIPMENT FENCE ENCLOSURE
18	(E) CONC. CURB
23	(E) PLAYGROUND STRUCTURE
25	(E) ACCESSIBLE HI-LO DRINKING FOUNTAIN
26	(E) MANUAL DOUBLE GATES
27	(E) ROLLING GATE
28	(E) DOUBLE GATES W/ PANIC HARDWARE
29	(E) 4'-0"HIGH CHAINLINK FENCE
30	(E) SINGLE GATE W/ PANIC HARDWARE
32	(E) CURB CUT & ADA RAMP
33	(E) O.I. FENCE
35	(E) 6'-0" HIGH CHAIN LINK FENCE
44	(E) OFF STREET PARKING SIGNAGE (DSA# 02-123434)
46	(E) 20' WIDE FIRE ACCESS LANE DSA # 02-111359
47	(E) 3'-0" WIDE DOUBLE MAINTENANCE GATES
48	(E) 4-0"WIDE PEDESTRIAN GATE W/ PANIC HARDWARE AT CHAINLINK FENCE (DSA #02-123434)
49	(E) 4-0"WIDE PEDESTRIAN DOUBLE GATE W/ PANIC HARDWARE AT CHAIN LINK FENCE (DSA #02-123434)

BUILDING INFORMATION

BLDG. NAME	DSA APP. NO(S).	CONST. TYPE	SQ. FT.	FS	NON- FS	OCC.
UNIT A-OFFICE/CLASSROOM	02-108663 (2007), 19722	VB	10,395 SF		X	B/E
UNIT B-CHILDRENS CENTER	34079	VB	5,962 SF		X	E
UNIT C-MULTI-PURPOSE	39030	VB	6,143 SF		X	A2
UNIT D-MULTI-PURPOSE	02-100609 (2010)	VB	4,868 SF		X	A2
UNIT E-MULTI-PURPOSE KITCHEN	02-107461 (2009)	V-1HOUR	15,700 SF		X	E
UNIT F-CLASSROOMS	02-107461 (2009)	V-1HOUR	15,700 SF		X	E
P26	02-102232 (2002)	VB	1,440 SF		X	B
(E) UNIT G - BRIDGE PORTABLE	02-123434	VB	960 SF		X	B
(N) UNIT H - RELOCATED PORTABLE	THIS APP: 02-123755	VB	960 SF		X	B

SEE G1.2 FOR FIRE FLOW RESULTS

SITE LEGEND

- NEW BUILDINGS
- EXISTING BUILDINGS
- EXISTING TURF / GREEN AREA
- NEW TURF / GREEN AREA
- EXISTING SOIL / EARTH
- NEW ASPHALT
- EXISTING ASPHALT
- NEW CONCRETE
- EXISTING CONCRETE
- (E) 20' WIDE FIRE ACCESS LANE DSA # 02-111359
- CHAIN LINK SINGLE GATE
- CHAIN LINK DOUBLE GATE
- TREE
- ORNAMENTAL METAL FENCE
- CHAIN LINK FENCE
- KB (E) 3200 SERIES KNOX BOX DSA # 02-123434
- SAFE DISPERSAL ROUTE

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CONSULTANT

LEOPARDS · LAWRENCE ELEMENTARY

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LODI UNIFIED SCHOOL DISTRICT

REVISIONS

PROJECT NO: 2025-03
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LOCAL FIRE AUTHORITY REVIEW SITE PLAN

G1.1

CITY OF LODI
FIRE DEPARTMENT
25 EAST PINE STREET
LODI, CALIFORNIA 95240

Est. 1907

Ken Johnson, Fire Chief

May 19, 2025

Lodi Unified School District
Facilities and Planning
880 N. Guild Ave.
Lodi, CA 95240

To: Whom it may concern

RE: HYDRANT FLOW TESTS

The Lodi Fire Department conducted Fire Hydrant Flow Test at the request of the Lodi Unified Facilities and Planning for the following Hydrants.

Results are as follows:

Beckman Elementary
Hydrant # S1786 – Scarborough Dr.

2 ½" orifice
Static Pressure – 61 psi
Residual Pressure - 50
GPM – 1319

Reese Elementary
Hydrant # K1359 – West side of Mills

2 ½" orifice
Static Pressure – 70 psi
Residual Pressure - 52
GPM – 1635

FIRE ADMINISTRATION (209) 333-6735
FIRE PREVENTION (209) 333-6739
FAX (209) 333-6844

Lawrence Elementary
Hydrant # I2083 – Stockton St

2 ½" orifice
Static Pressure – 60 psi
Residual Pressure – 46 psi
GPM – 1200

Thank you,

Timothy Ortegel
Deputy Chief
Lodi Fire Dept.
210 W Elm St.
Lodi CA 95240

FIRE ADMINISTRATION (209) 333-6735
FIRE PREVENTION (209) 333-6739
FAX (209) 333-6844

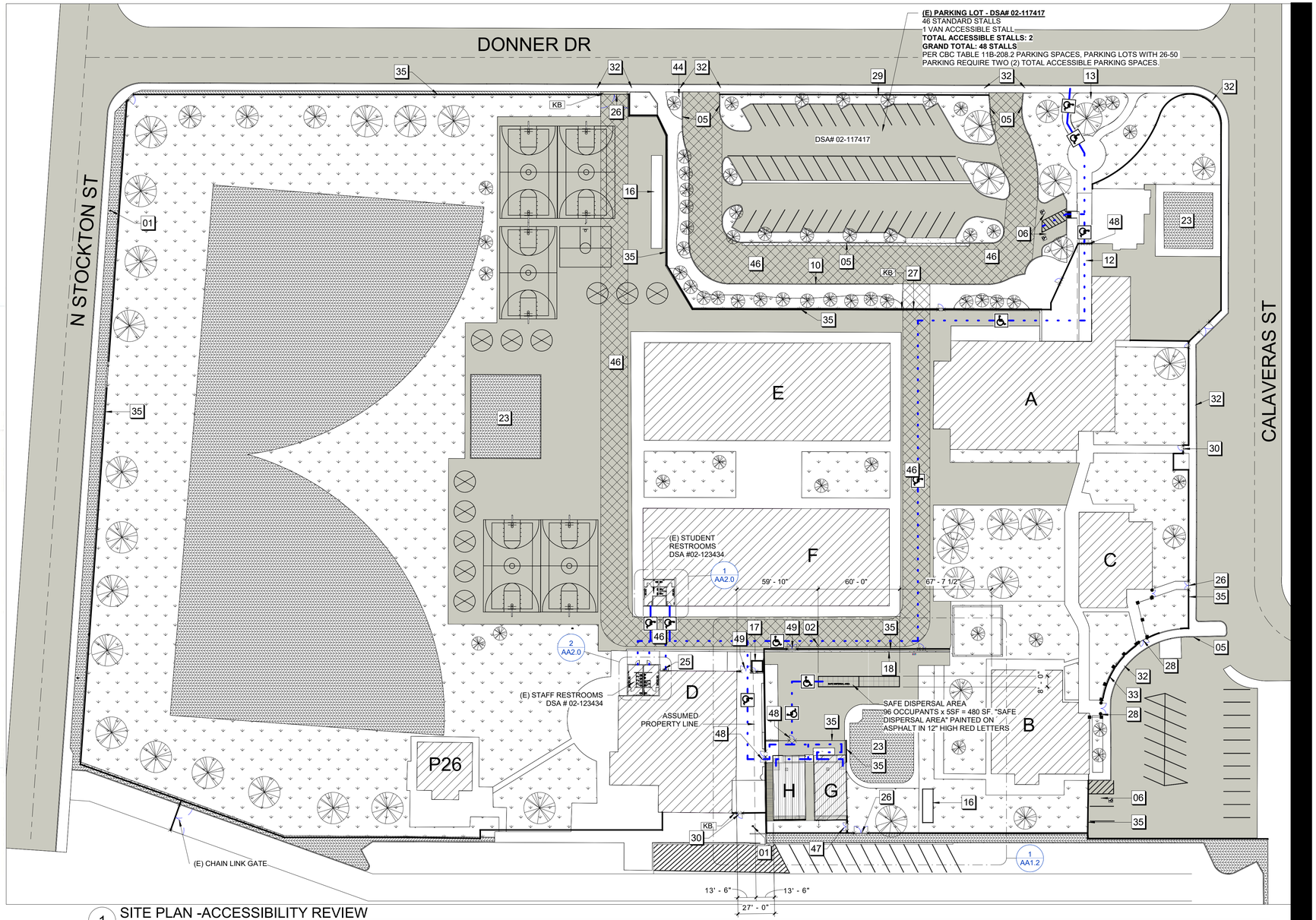
PATH OF TRAVEL (POT) STATEMENT

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) 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 NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND 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 INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

ACCESSIBLE PATH OF TRAVEL:

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLANS IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.



1 SITE PLAN -ACCESSIBILITY REVIEW
1" = 40'-0"

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1 - EXISTING

01	(E) FIRE HYDRANT
02	(E) LIGHT POLE
05	(E) RED PAINTED CURB W/ NO PARKING LABELS
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LEOPARDS
LAWRENCE ELEMENTARY

LAWRENCE ELEMENTARY

721 CALAVERAS ST.,
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LODI UNIFIED SCHOOL DISTRICT

REVISIONS

PROJECT NO:	2025-03
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DRAWN BY:	HD

ACCESSIBILITY REVIEW SITE PLAN

G1.2

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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 ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION, AND/OR OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.

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 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.

12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.

13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.

14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.

15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.

16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.

17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.

18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.

19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.

20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB SLAB CONSTRUCTION.

21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.

22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDRO SEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.

23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.

GENERAL PAVING SURFACE NOTES

1. PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99%, TYPICAL. PROVIDE EQUIVALENT OF HEAVY BROOM FINISH AT SLOPES 6% AND GREATER. REFER TO SPECIFICATIONS.

2. ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 2.0%, AND NO LESS THAN 0.75% IN ANY DIRECTION, UNLESS SPECIFICALLY LABELED OTHERWISE. ALL CONCRETE SHALL MEET THE FOLLOWING SLOPE REQUIREMENTS:
   - NO GREATER THAN 5% SLOPE IN THE DIRECTION OF TRAVEL.
   - NO GREATER THAN 2% SLOPE CROSSING THE DIRECTION OF TRAVEL.
   - NO GREATER THAN 2% SLOPE IN ANY DIRECTION IN COURTYARD OR PLAZA AREAS AND AT DOOR LANDINGS.

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. NO BURNING OR BLASTING SHALL BE PERMITTED.

3. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.

4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.

5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.

6. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN 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 DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.

7. 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.

8. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.

9. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.

10. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.

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
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
RW	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
- 99.99 — 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
- RETAINING WALL

PROPOSED SANITARY SEWER SYMBOLS:

- 6" SS — SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
- SANITARY SEWER MANHOLE (SSMH)
- CO — SEWER CLEANOUT FLUSHER BRANCH

PROPOSED WATER SYMBOLS:

- 8" W — WATER LINE & SIZE
- 8" FS — FIRE LINE & SIZE
- 8" DW — DOMESTIC WATER LINE & SIZE
- 8" RW — RECLAIMED WATER LINE & SIZE
- 8" IRR — IRRIGATION SERVICE LINE & SIZE
- 8" NP — NON POTABLE WATER LINE & SIZE
- 8" SP — FIRE SPRINKLER SERVICE LINE & SIZE
- GATE VALVE
- M — WATER METER
- FH — FIRE HYDRANT ASSEMBLY
- FDC — FIRE DEPARTMENT CONNECTION
- DC — DETECTOR CHECK VALVE
- DDC — DOUBLE DETECTOR CHECK VALVE
- RP — REDUCED PRESSURE BACKFLOW PREVENTER
- BUTTERFLY VALVE
- 1" — AIR RELEASE VALVE + SIZE
- 1" — BLOW-OFF VALVE + SIZE
- PIV — POST INDICATOR VALVE

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, LOCATE AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

CIVIL SHEET INDEX

C0.1	CIVIL GENERAL NOTES AND ABBREVIATIONS
C1.1	TOPOGRAPHIC SURVEY AND DEMOLITION PLAN
C2.1	GRADING & PAVING PLAN
C3.1	DETAILS

FILENAME: I:\25-110\CIVIL\DWG\25-110-C0.1.DWG PLOTTED: Friday, November 07, 2025

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REGISTERED PROFESSIONAL ENGINEER — ANTHONY J. TASSANO — NO. C74696 — CIVIL — STATE OF CALIFORNIA

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LAWRENCE ELEMENTARY

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LODI UNIFIED SCHOOL DISTRICT

REVISIONS

PROJECT NO: 2025-03
ISSUE SET: DSA
ISSUE DATE: 11/12/25
DRAWN BY: JlmS

CIVIL GENERAL NOTES AND ABBREVIATIONS

C0.1

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

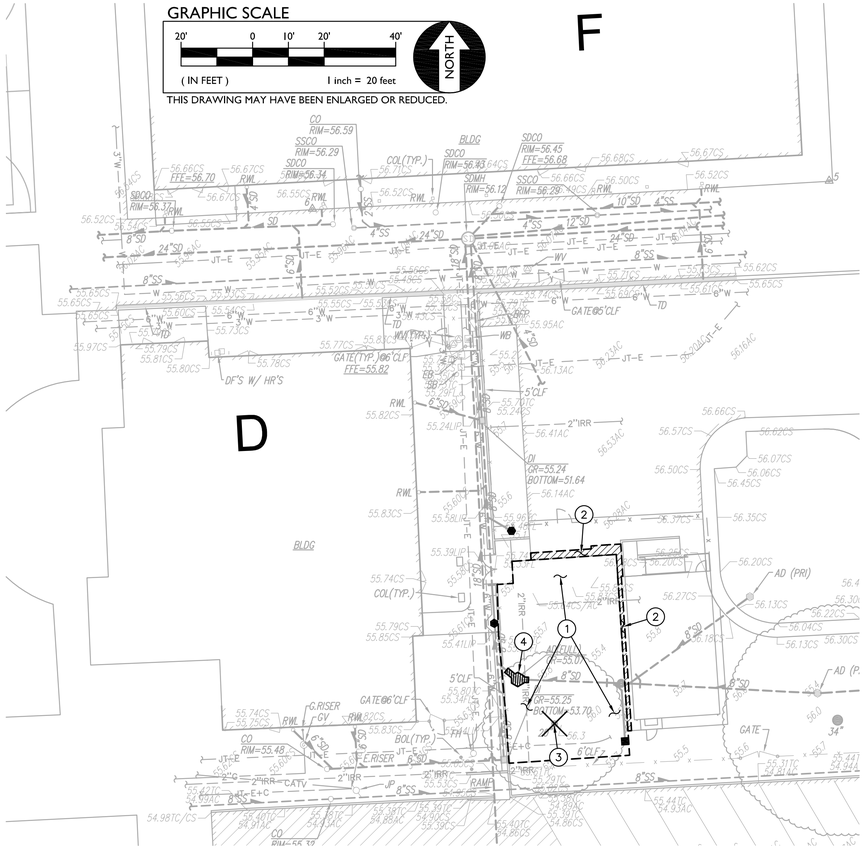
EXISTING UTILITIES

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
SB = 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)
SD = STORM DRAIN BOX
= 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
APP	APPARATUS
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
BWF	BARBED WIRE FENCE
C	COMMUNICATION
CAB	CABINET
CATV	CABLE TELEVISION
CB	COMMUNICATIONS BOX
CIP	CAPPED IRON PIPE
C/L	CENTERLINE
CLF	CHAIN LINK FENCE
CO	CLEANOUT
COL	COLUMN
CONC.	CONCRETE
COND.	CONDENSATE
CPF	CONTROL POINT FOUND
CPS	CONTROL POINT SET
CS	CONCRETE SURFACE
DF	DRINKING FOUNTAIN
DG	DECOMPOSED GRANITE
DI	DROP INLET
DRWY	DRIVEWAY
DS	DOWNSPOUT
DWG	DRAWING
E	ELECTRIC
EB	ELECTRICAL BOX
ESMT	EASEMENT
FA	FIRE ALARM
FB	FIRE BOX
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FL	FLOWLINE
FO	FIBER OPTIC
FP	FLAGPOLE
FS	FIRE SERVICE
G	GAS
GB	GRADE BREAK
GD	GARAGE DOOR
GR	GRATE
GRB	GROUND ROD BOX
GROD	GROUND ROD
GST	GATE STOP
GV	GAS VALVE
H	HYDRONICS
HB	HOSE BIBB
HBB	HOSE BIBB BOX
HBD	HEADER BOARD
HP	HIGH PRESSURE
HR	HANDRAIL
HVE	HIGH VOLTAGE ELECTRIC
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
MR	METAL RAMP
MS	MOW STRIP
MSC	METAL STORAGE CONTAINER
MU	MULTIPLE
OH	OVERHEAD
OHANG	OVERHANG
OIP	OPEN IRON PIPE
P	PINE
PA	PLANTER AREA
PB	PARKING BUMPER
PED	PEDESTAL
PH	POSTHOLE
PIV	POST INDICATOR VALVE
P/L	PROPERTY LINE
PP	POWER POLE
PRI	PER RECORD INFORMATION
PUE	PUBLIC UTILITY EASEMENT
PV	PAVERS
PVC	POLYVINYL CHLORIDE
R	RUBBER
RG	ROLLING GATE
RIM	MANHOLE RIM ELEVATION
ROW	RIGHT OF WAY
RR	RUBBER RAMP
RW	RETAINING WALL
RWD	REDWOOD TREE
RWL	RAIN WATER LEADER
SB	SIGNAL BOX
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
ST	STUMP
STL.	STEEL
T	TELEPHONE
TB	TELEPHONE BOX
TBALL	TETHER BALL POLE
TBM	TEMPORARY BENCHMARK
TC	TOP OF CURB
TD	TRENCH DRAIN
TP	TELEPHONE POLE
TRW	TOP OF RETAINING WALL
UG	UNDERGROUND
UNK	UNKNOWN
V	VENT
VBALL	VOLLEYBALL
W	WATER
W/	WITH
WB	WATER BOX
WD.	WOOD
WF	WOOD FENCE
WIF	WROUGHT IRON FENCE
WRF	WOOD RAIL FENCE
XF	TRANSFORMER
XWALK	CROSSWALK
YD	YARD DRAIN



TOPOGRAPHIC SURVEY AND DEMOLITION PLAN

BASIS OF BEARINGS:
ASSUMED

F.E.M.A. INFORMATION:
THE SUBJECT PROPERTY IS LOCATED IN "ZONE X (SHADED)--0.2% ANNUAL CHANCE FLOOD HAZARD" PER FLOOD INSURANCE RATE MAP 06077C0169F DATED OCTOBER 16, 2009.

NOTE:
EXISTING UTILITIES BASED ON VISIBLE SURFACE STRUCTURES AND RECORD INFORMATION.

A.P.N.	041-240-060
BENCHMARK NO.	359 ELEV. 53.784
W. SIDE STOCKTON ST. – 590' N/ CL OF LAWRENCE (E), 0.2' S/ N. P/L OF SOFTBALL COMPLEX, TOC	

TBM LIST

Number	DESCRIPTION	Northing	Easting	Elevation
2	CPS CHISELED "+"	10457.59	10000.00	56.56
5	CPS CHISELED "+"	10216.46	9988.44	56.52
6	CPS CHISELED "+"	10208.63	9844.02	56.56

DEMOLITION NOTES

1. REMOVE AND DISPOSE OF TURF/VEGETATION AS REQUIRED TO ALLOW FOR PROPOSED CONSTRUCTION. IRRIGATION PIPING AND SPRINKLER HEADS IN CONFLICT WITH PROPOSED CONSTRUCTION SHALL BE REMOVED AND REPLACED OUTSIDE OF NEW WORK TO ALLOW FOR CONTINUED COVERAGE OF TURF. PATCH BACK TURF AREAS DAMAGED/REMOVED FOR CONSTRUCTION WITH NEW SOD AND/OR MULCH TO MATCH EXISTING CONDITIONS.
2. SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING AND AGGREGATE BASE TO LIMITS SHOWN. SAWCUT SHALL BE TO NEAT, STRAIGHT LINE, AND BE MAINTAINED THROUGHOUT CONSTRUCTION.
3. REMOVE AND DISPOSE OF EXISTING TREE, TRUNK AND ROOTS.
4. REMOVE AND DISPOSE OF EXISTING STORM DRAIN PIPE AND/OR INLET.

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LODI, CA 95240

LODI UNIFIED SCHOOL DISTRICT

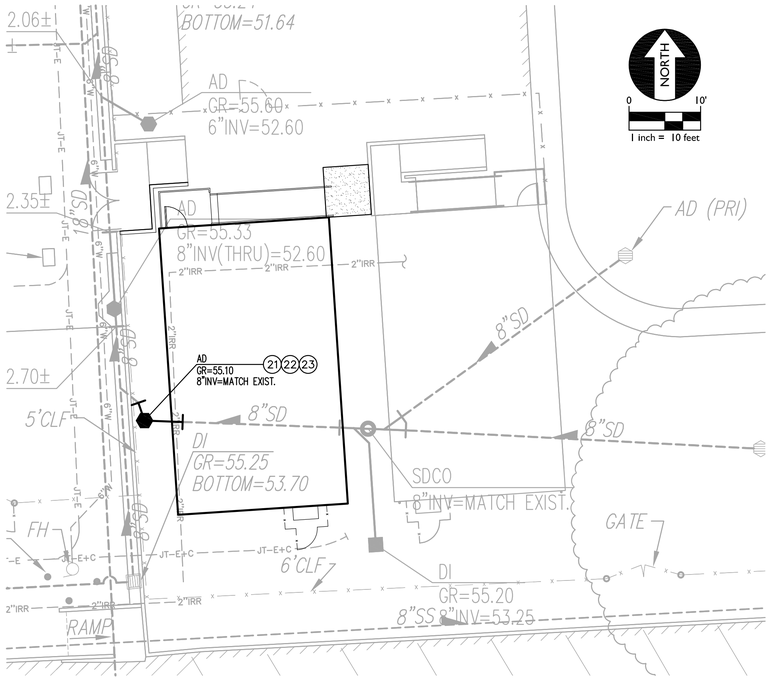
REVISIONS

PROJECT NO: 2025-03
ISSUE SET: DSA
ISSUE DATE: 11/12/25
DRAWN BY: JlmS

TOPOGRAPHIC SURVEY AND DEMOLTION PLAN

C1.1

FILENAME:I:\25-110\CIVIL\DWG\25-110-C1.1.DWG PLOTTED: Tuesday, November 11, 2025



UTILITY PLAN

DRAINAGE NOTES

21. CONSTRUCT AREA DRAIN PER (4 / C3.1)
22 PLACE 8" STORM DRAIN PIPE PER (5 / C3.1)
23. CONNECT TO EXISTING STORM DRAIN. POTHOLE TO VERIFY DEPTH AND LOCATION PRIOR TO TRENCHING.

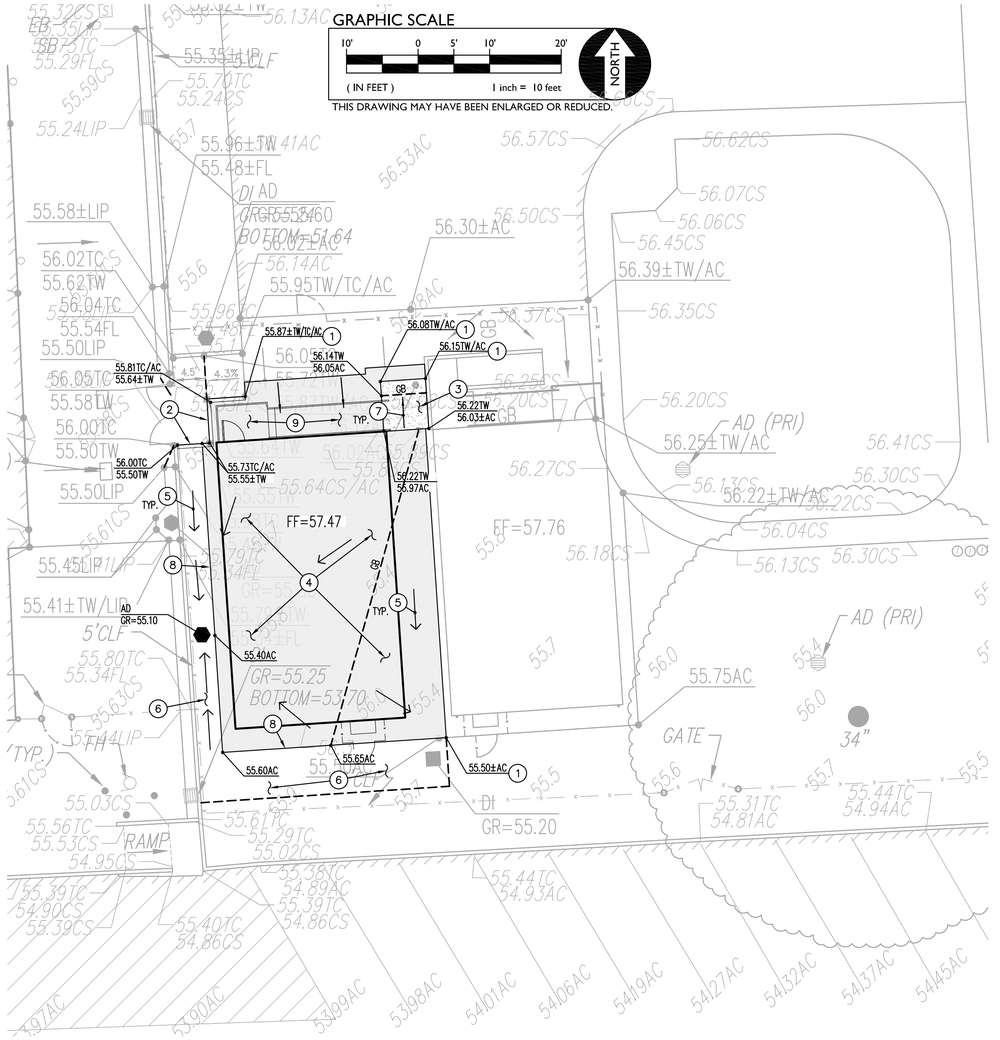
GRAPHIC SCALE

10' 0 5' 10' 20'

(IN FEET) 1 inch = 10 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.



GRADING AND PAVING PLAN

SUBGRADE PREPARATION

FOLLOWING SITE DEMOLITION ACTIVITIES,

EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 12 INCHES AND UNIFORMLY MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

GENERAL GRADING NOTES:

A. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITION.
   - DISTURBED TURF SHALL BE REPLACED WITH SOD.
   - LANDSCAPING AND IRRIGATION SHALL BE REPLACED WITH LANDSCAPING AND IRRIGATION IN KIND OR BETTER.

B. ALL AREAS ADJACENT TO PROPOSED FLATWORK SHALL BE GRADED TO DRAIN, 2" BELOW FINISH PAVED SURFACE AND A MAXIMUM SLOPE OF 5:1.

C. REFER TO ARCHITECTURAL PLANS FOR CONCRETE COLORING AND JOINT PATTERNS.

D. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM (1% MIN. AWAY FROM BUILDINGS) FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;
   - CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL – 2%.
   - DIRECTION OF PATH OF TRAVEL – 5%.
   - RAMP IN DIRECTION OF TRAVEL – 8.33%.
   - PLAZA AREAS, DOOR LANDINGS, ACCESSABLE STALLS AND ACCESSIBLE LOADING AREAS – 2% IN ANY DIRECTION

E. 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.

F. ALL EXPOSED ASPHALT EDGES SHALL HAVE HEADER BOARDS WHETHER SHOWN OR NOT.

GRADING AND PAVING NOTES

1. MATCH EXISTING GRADE/ELEVATION.
2. CONSTRUCT VERTICAL CURB PER (3 / C3.1)
3. PLACE 5"PCC WITH #4 REBAR AT 24"O.C EACH WAY OVER 12"AB ON COMPACTED SUBGRADE. (1 / C3.1)
4. PLACE 3"AC OVER 12"AB ON COMPACTED SUBGRADE. PLACE 2 (2) APPLICATIONS OF SEAL COAT.
5. GRADE UNIFORMLY TO INLET.
6. TURF DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED WITH AN APPROVED SOD. SPRINKLERS AND IRRIGATION PIPING REMOVED/DAMAGED SHALL BE REPLACED IN A LOCATION THAT WILL ALLOW PROPER COVERAGE TO AREAS BEING IRRIGATED.
7. PEDESTRIAN FLATWORK SHALL BE SLOPED PER THE GENERAL GRADING NOTES THIS SHEET.
8. PLACE HEADER BOARD PER (2 / C3.1)
9. INSTALL BUILDING RAMP PER RAMP PLANS.

FILENAME: I:\25-110\CIVIL\DWG\25-110-C2.1.DWG PLOTTED: Tuesday, November 11, 2025

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DATE: 12/03/2025

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ANTHONY L. DEARBORN
C-29928
RENEWAL 12/2025
STATE OF CALIFORNIA

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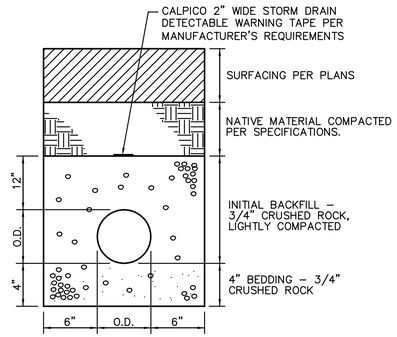
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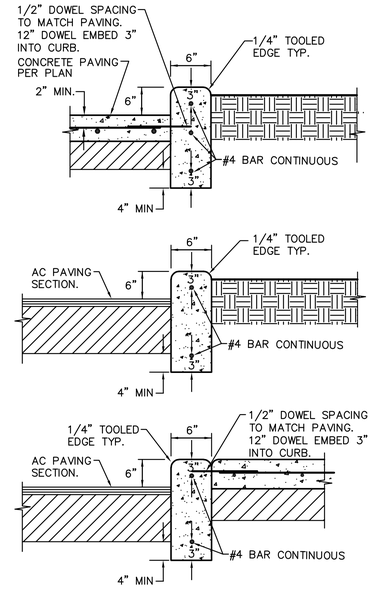
GRADING AND PAVING PLAN

C2.1



5 C3.1 STORM DRAIN TRENCH

NO SCALE

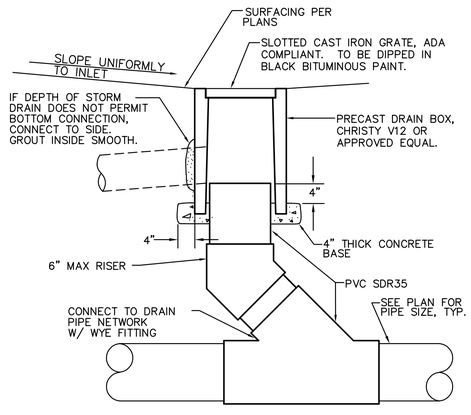


NOTES:

1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. MAXIMUM PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAXIMUM, EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.
3. CONCRETE SHALL BE PER SPECIFICATION SECTION 32 16 00 SITE CONCRETE.

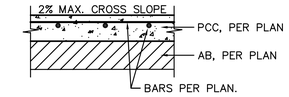
3 C3.1 CONCRETE CURB

NO SCALE

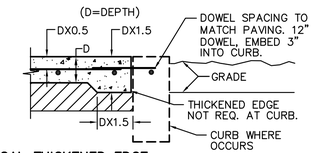


4 C3.1 AREA DRAIN

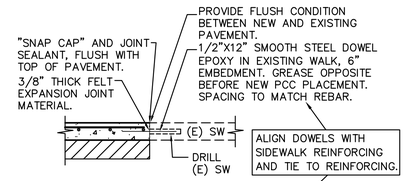
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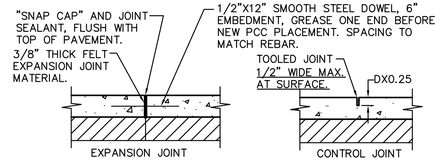
TYPICAL SECTION



TYPICAL THICKENED EDGE



CONNECTION TO (E) CONCRETE



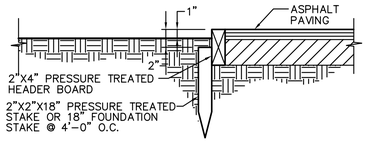
TYPICAL JOINTS

NOTES:

1. PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
2. PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
3. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.
4. EPOXY SHALL BE SIMPSON SET- 3G (ICC ES 4057) OR APPROVED EQUAL.
5. CONCRETE SHALL BE PER SPECIFICATION SECTION 32 16 00 SITE CONCRETE.

1 C3.1 CONCRETE SIDEWALK

NO SCALE



2 C3.1 HEADER BOARD

NO SCALE

FILENAME: I: \25-110\CIVIL\DWG\25-110-C3.1.DWG PLOTTED: Wednesday, November 19, 2025

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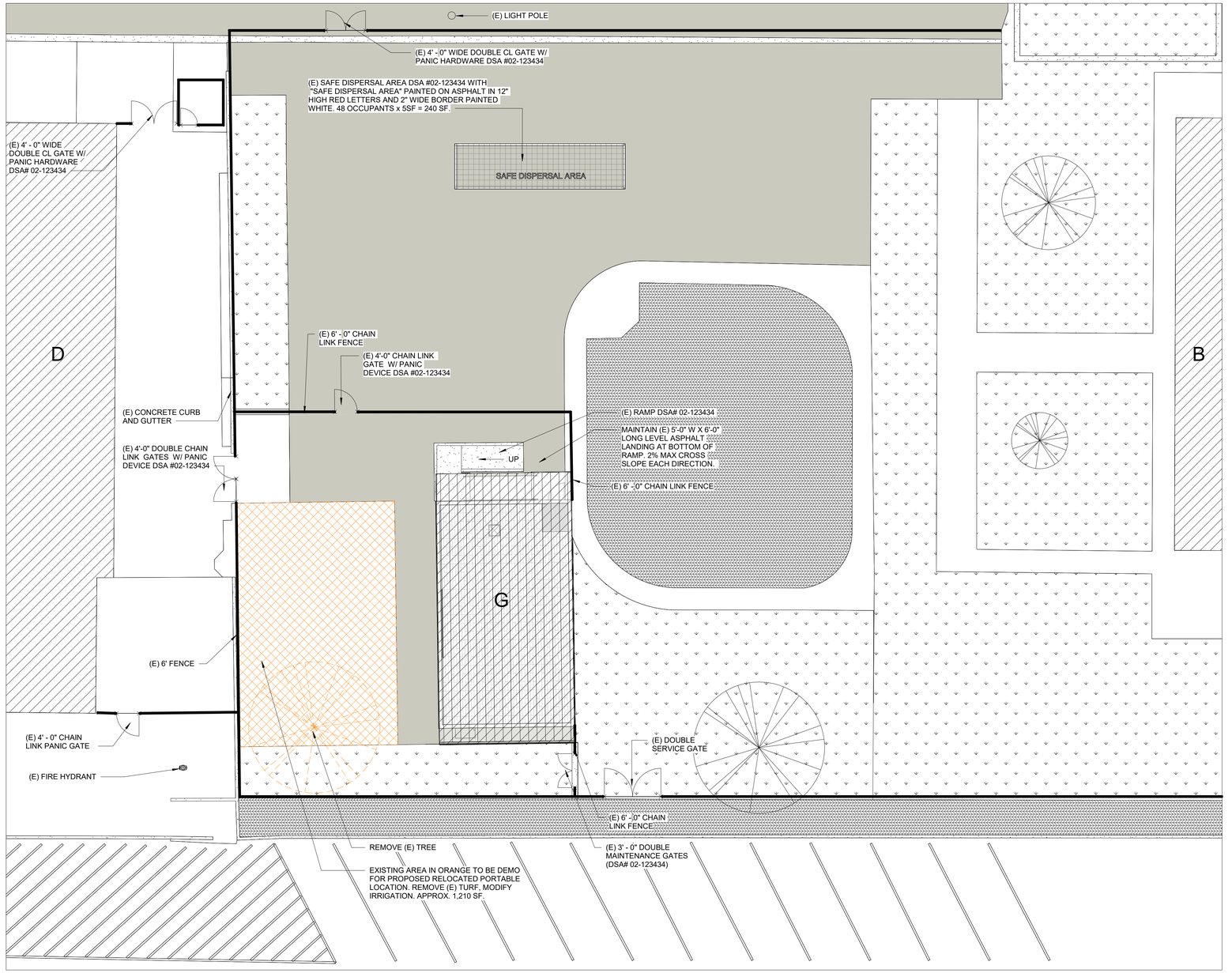
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REVISIONS

PROJECT NO: 2025-03
ISSUE SET: DSA
ISSUE DATE: 11/12/25
DRAWN BY: JlmS

DETAILS

C3.1



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

GENERAL NOTE:

1. (E) GRASS / TURF WITHIN FENCED OFF CONSTRUCTION AREAS SHALL BE MAINTAINED BY SITE CONTRACTOR. ANY DAMAGED GRASS OR TURF RELATED TO THE SITE IMPROVEMENTS SHALL BE RESODDED.

SITE LEGEND

- EXISTING BUILDINGS
- EXISTING TURF / GREEN AREA
- EXISTING SOIL / EARTH
- EXISTING ASPHALT
- EXISTING CONCRETE
- TREE
- CHAIN LINK FENCE
- ORNAMENTAL METAL FENCE
- AREA OF DEMOLITION

N

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11/12/2025 8:55:58 AM

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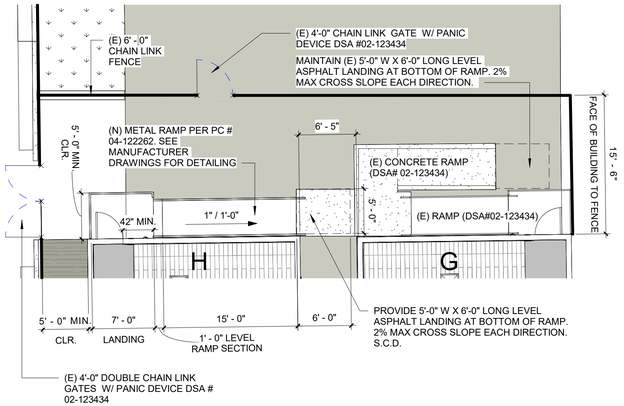
LODI UNIFIED SCHOOL DISTRICT

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ISSUE DATE: 11/12/2025
DRAWN BY: HD

ENLARGED SITE PLAN - DEMO

AA1.1

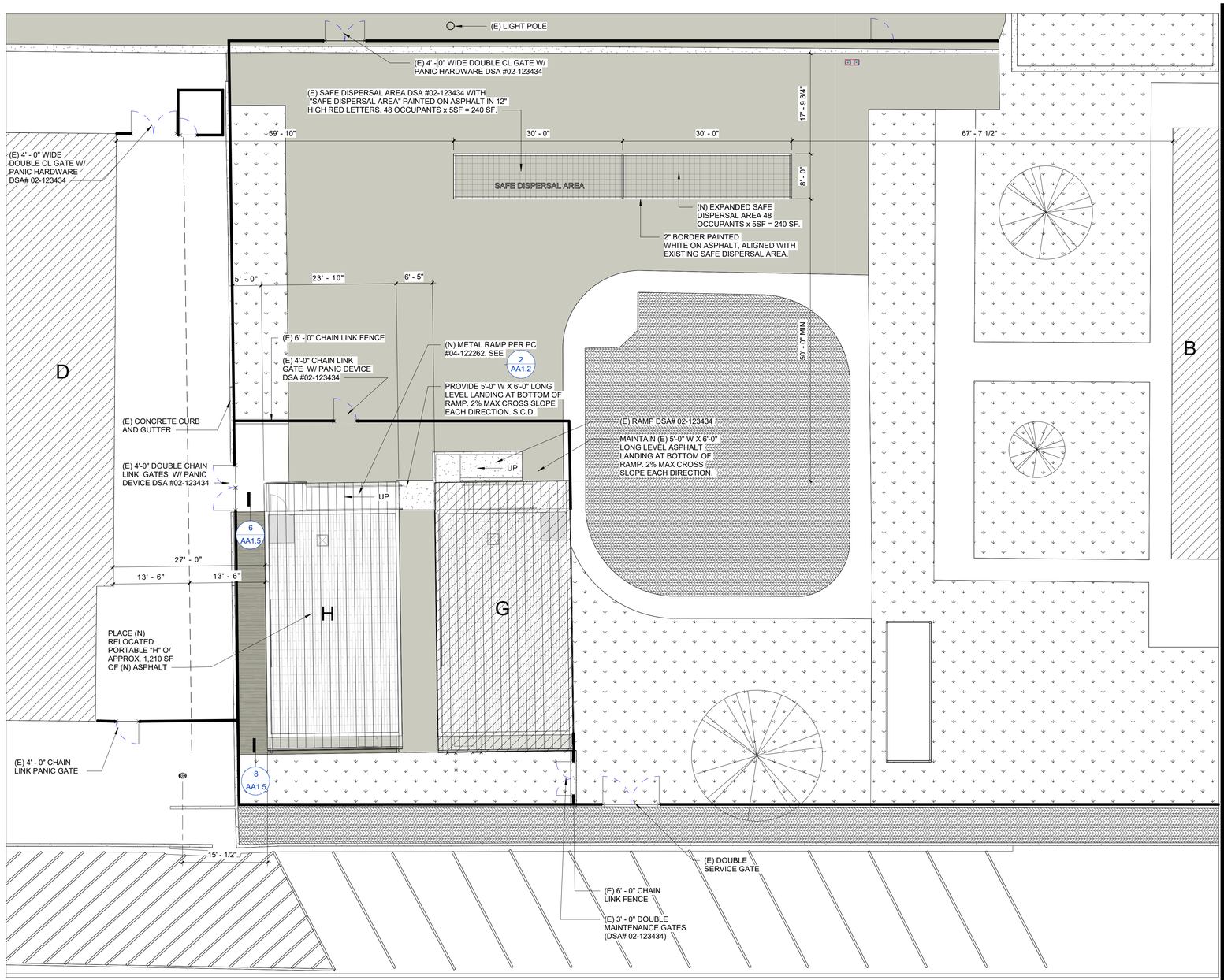


2 ENLARGED PLAN - RAMP

1/8" = 1'-0"

NOTES:

1. REPLACE (E) LOCKSET WITH SARGENT 10XG38 CLASSROOM SECURITY LOCK WITH INSIDE LOCK INDICATOR.
2. PROVIDE ALS SIGN IN NEW BUILDING. SEE DETAIL 10/AA1.5



1 ENLARGED PLAN - PROPOSED

1" = 10'-0"

SITE LEGEND

- NEW BUILDINGS
- EXISTING BUILDINGS
- EXISTING TURF / GREEN AREA
- NEW TURF / GREEN AREA
- EXISTING SOIL / EARTH
- NEW ASPHALT
- EXISTING ASPHALT
- NEW CONCRETE
- EXISTING CONCRETE
- (E) 20' WIDE FIRE ACCESS LANE DSA # 02-111359
- CHAIN LINK SINGLE GATE
- CHAIN LINK DOUBLE GATE
- TREE
- ORNAMENTAL METAL FENCE
- CHAIN LINK FENCE
- KB (E) 3200 SERIES KNOX BOX DSA # 02-123434
- SAFE DISPERSAL ROUTE

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ENLARGED SITE PLAN - PROPOSED

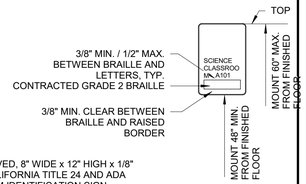
AA1.2

11/19/2025 12:00:10 PM
C:\Users\haya\Documents\Revit_2023\2025-15_Lawrence Relocated Portable_hayaNRD3T.rvt

NOTE:
FOR SIGN GRAPHICS, SEE DETAILS 18 AA1.5

NOTE:
FOR PLACEMENT OF SIGN SEE 16 AA1.5

NOTE:
SIGN ATTACHMENT DETAIL. SEE 17 AA1.5



PROVIDE PLASTIC ENGRAVED, 8" WIDE x 12" HIGH x 1/8" THICK (BACKGROUND) CALIFORNIA TITLE 24 AND ADA COMPLIANT TACTILE ROOM IDENTIFICATION SIGN.

ROOM NAMES AND NUMBERS (WHERE APPLICABLE) SHALL BE PER SIGNAGE SECTION OF DOOR SCHEDULE.
COLORS SHALL BE SELECTED BY THE ARCHITECT AND SHALL MATCH SIGNS ALREADY INSTALLED ON CAMPUS.

TACTILE LETTERS AND NUMBERS SHALL COMPLY WITH THE REQUIREMENTS OF PARAGRAPH 2.1 C OF PROJECT MANUAL SECTION 10 14 00 "SIGNS AND GRAPHICS" AND 2019 CALIFORNIA BUILDING CODE SECTION 11B-703.2.

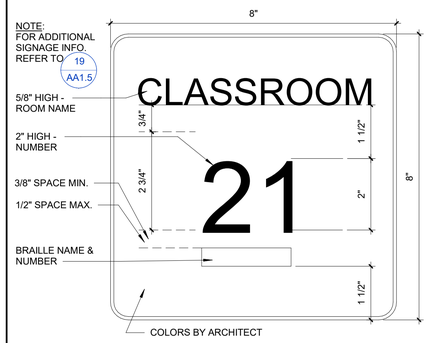
TACTILE LETTERS AND/OR NUMBERS ON SIGNS SHALL BE DUPLICATED IN CONTRACTED GRADE 2 BRAILLE COMPLYING WITH THE REQUIREMENTS OF PARAGRAPH 2.1 D OF PROJECT MANUAL SECTION 10 14 00 "SIGNS AND GRAPHICS" AND 2019 CALIFORNIA BUILDING CODE SECTION 11B-703.3.
PROVIDE 3/32" WIDE BORDERS RAISED
1/32" AND 1/2" RADIUS CORNERS.

CHARACTERS & SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND (70% MIN.) THE BACKGROUND OF SIGN SHALL CONTRAST WITH WALL COLOR (70% MIN.) SIGNS SHALL HAVE AN NON-GLARE MATTE FINISH.

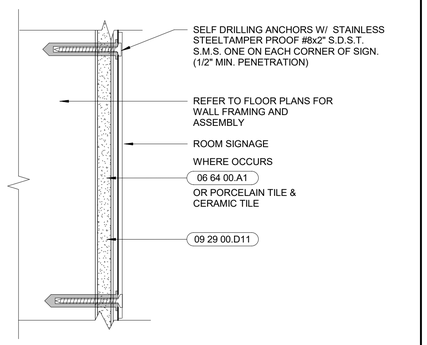
SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL PREFERABLY ON THE RIGHT HAND SIDE. MOUNT SIGNS BETWEEN 60" MAX. AND 48" MIN. FROM THE FLOOR TO THE SIGN.

ATTACH TO GLASS WITH FOAM TAPE. ATTACH TO FINISHED INTERIOR AND EXTERIOR WALLS PER DETAILS NOTED ABOVE.
WHERE THE SIGN IS ATTACHED TO GLASS, PROVIDE A BLANK PIECE OF 1/8" THICK PLASTIC OF MATCHING SIZE, COLOR, AND SHAPE ON THE OPPOSITE SIDE OF THE GLASS. COLOR TO BE SELECTED BY THE ARCHITECT.

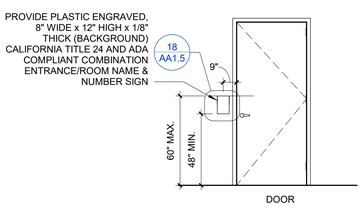
19 ROOM SIGNAGE
SCALE: 1" = 1'-0" *FILENAME: 10_14_08*



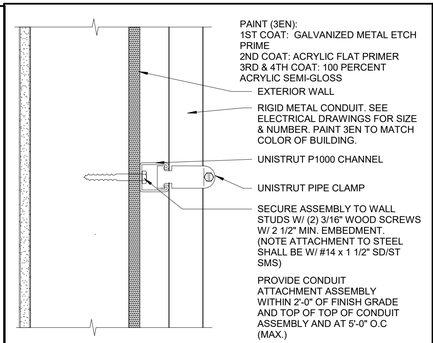
18 SIGNAGE: STANDARD DOORS
SCALE: 6" = 1'-0" *FILENAME: ACC_SGN_01*



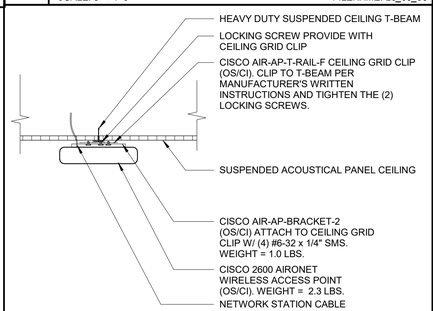
17 INT. ROOM SIGNAGE ATTACHMENT
SCALE: 6" = 1'-0" *FILENAME: 10_11_44*



16 DOOR SIGNAGE
SCALE: 1/4" = 1'-0" *FILENAME: ACC_RR_14*



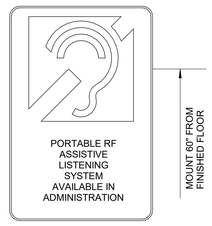
12 EXT. CONDUIT ATTACHMENT @ WALL
SCALE: 3" = 1'-0" *FILENAME: 26_05_05*



OS/CI = OWNER SUPPLIED, CONTRACTOR INSTALLED

11 WAP MOUNTING DETAIL
SCALE: 1 1/2" = 1'-0" *FILENAME: 27_00_03*

NOTE:
SIGN ATTACHMENT DETAIL. SEE 17 AA1.5

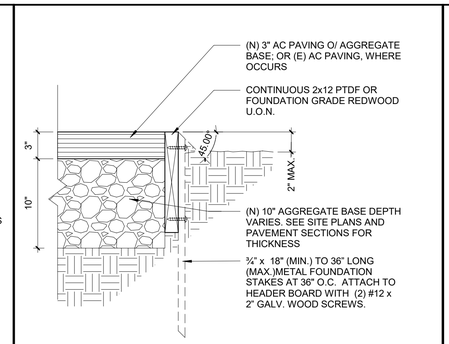


PROVIDE PLASTIC ENGRAVED, 8" WIDE x 12" HIGH x 1/8" THICK (BACKGROUND) ASSISTIVE LISTENING SYSTEM SIGN WITH 6"x6" INTERNATIONAL SYMBOL FOR HEARING LOSS.

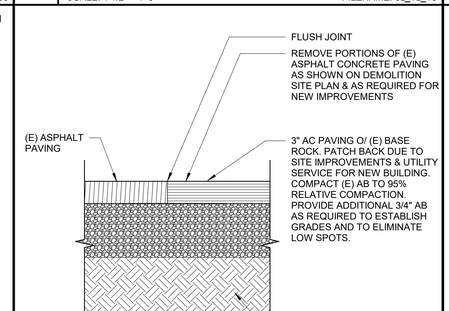
COLORS SHALL BE SELECTED BY THE ARCHITECT & SHALL CONTRAST W/ EA. OTHER & COLOR OF WALL ATTACHED TO.

COPY SHALL READ "RF ASSISTIVE LISTENING SYSTEM AVAILABLE IN ADMINISTRATION" AND SHALL BE 5/8" HIGH SAN-SERIF LETTERS. PROVIDE STANDARD 3/32" RAISED BORDERS AND 1/2" RADIUS CORNERS.

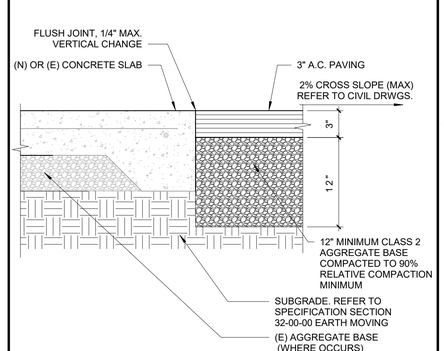
10 ASSISTIVE LISTENING SIGNAGE
SCALE: 3" = 1'-0" *FILENAME: ACC_MISC_2*



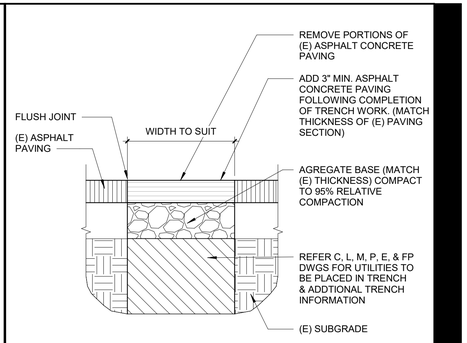
8 HEADER BOARD @ ASPHALT
SCALE: 1 1/2" = 1'-0" *FILENAME: 32_12_15*



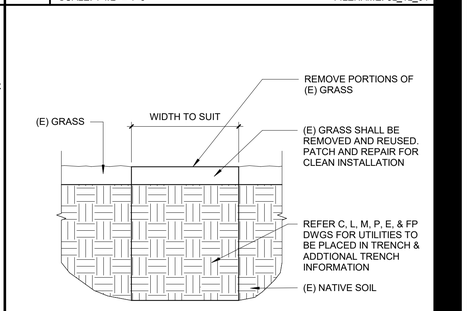
7 AC PAVING TO (E) AC PAVING
SCALE: 1 1/2" = 1'-0"



6 (N) AC PAVING AT CONC. EDGE
SCALE: 1 1/2" = 1'-0" *FILENAME: 32_13_53*

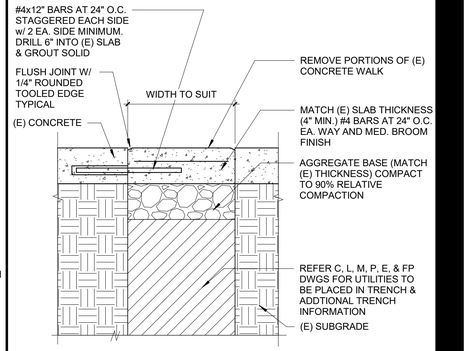


4 UTILITY TRENCH AT AC PAVING
SCALE: 1 1/2" = 1'-0" *FILENAME: 32_12_04*



THE REMOVED PORTIONS OF (E) GRASS SHALL BE REUSED. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN/ WATER GRASS FOR REINSTALLATION.

3 UTILITY TRENCH AT (E) TURF
SCALE: 1 1/2" = 1'-0" *FILENAME: 32_10_01*



2 UTILITY TRENCH AT CONC. WALKWAY
SCALE: 1 1/2" = 1'-0" *FILENAME: 32_13_05*

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

LICENSED ARCHITECT · TIMOTHY L. DEARBON · C-25928 · RENEWAL 12 / 2025 · STATE OF CALIFORNIA

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LAWRENCE ELEMENTARY

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LODI UNIFIED SCHOOL DISTRICT

REVISIONS

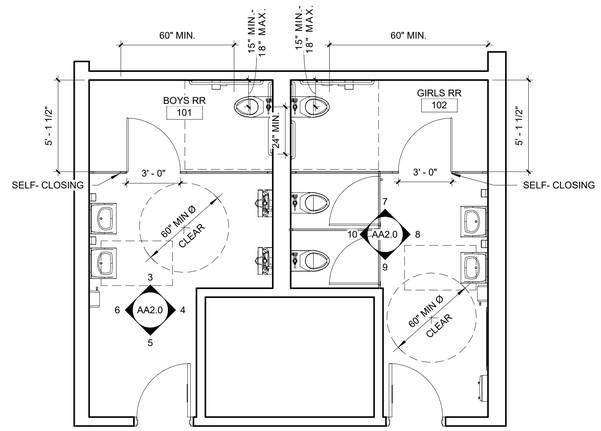
PROJECT NO: 2025-03
ISSUE SET: DSA SUBMITTAL
ISSUE DATE: 11/12/2025
DRAWN BY: HD

SITE DETAILS

AA1.5

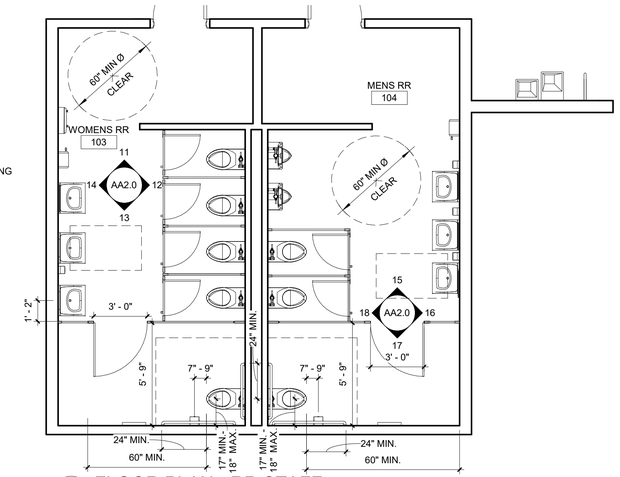
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TOILET ACCESSORY SCHEDULE - MASTER			
TYPE MARK	DESCRIPTION	MANUFACTURER	MANUF. #
BOYS RR			
A	(E) PAPER TOWEL	(E)	(E)
B	(E) SOAP	(E)	(E)
C	(E) TOILET PARTITION	(E)	(E)
E	(E) 48" GRAB BAR	(E)	(E)
G	(E) 12" GRAB BAR	BOBRICK	B-6806
H	(E) 24" GRAB BAR	BOBRICK	B-6806
M	(E) TOILET PAPER DISPENSER	SAN JAMAR	R1500XC
GIRLS RR			
A	(E) PAPER TOWEL	(E)	(E)
B	(E) SOAP	(E)	(E)
C	(E) TOILET PARTITION	(E)	(E)
E	(E) 48" GRAB BAR	(E)	(E)
G	(E) 12" GRAB BAR	BOBRICK	B-6806
H	(E) 24" GRAB BAR	BOBRICK	B-6806
I	(E) SANITARY NAPKIN DISPOSAL	(E)	(E)
J	(E) MIRROR	(E)	(E)
K	(E) SANITARY DISPENSER	(E)	(E)
M	(E) TOILET PAPER DISPENSER	SAN JAMAR	R1500XC
MENS RR			
A	(E) PAPER TOWEL	(E)	(E)
B	(E) SOAP	(E)	(E)
C	(E) TOILET PARTITION	(E)	(E)
D	(E) TOILET PAPER	(E)	(E)
E	(E) 48" GRAB BAR	(E)	(E)
F	(E) 36" GRAB BAR	(E)	(E)
J	(E) MIRROR	(E)	(E)
L	(E) TOILET SEAT COVER	(E)	(E)
WOMENS RR			
A	(E) PAPER TOWEL	(E)	(E)
B	(E) SOAP	(E)	(E)
C	(E) TOILET PARTITION	(E)	(E)
D	(E) TOILET PAPER	(E)	(E)
E	(E) 48" GRAB BAR	(E)	(E)
F	(E) 36" GRAB BAR	(E)	(E)
J	(E) MIRROR	(E)	(E)
K	(E) SANITARY DISPENSER	(E)	(E)
L	(E) TOILET SEAT COVER	(E)	(E)



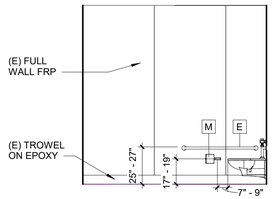
1 FLOOR PLAN - STUDENT RR
1/4" = 1'-0"

RESTROOM PER DSA# 02-123434

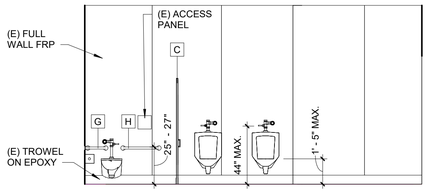


2 FLOOR PLAN - RR STAFF
1/4" = 1'-0"

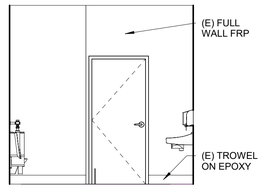
RESTROOM AND DRINKING FOUNTAIN PER DSA# 02-100609 & DSA# 02-123434



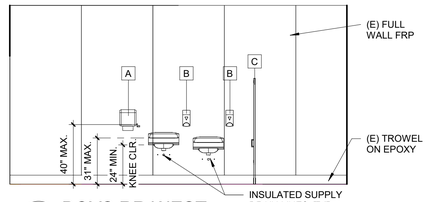
3 BOYS RR NORTH
1/4" = 1'-0"



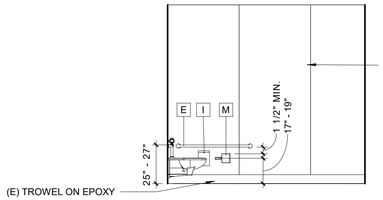
4 BOYS EAST
1/4" = 1'-0"



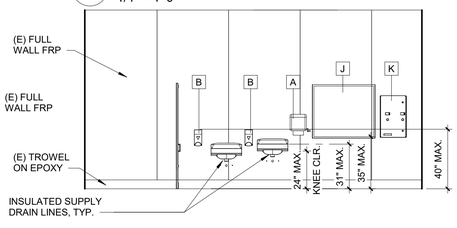
5 BOYS RR SOUTH
1/4" = 1'-0"



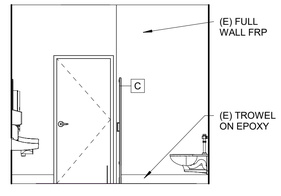
6 BOYS RR WEST
1/4" = 1'-0"



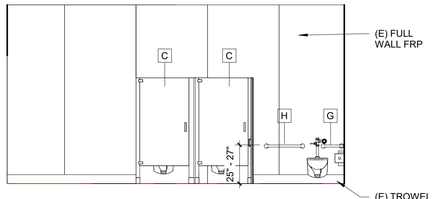
7 GIRLS RR NORTH
1/4" = 1'-0"



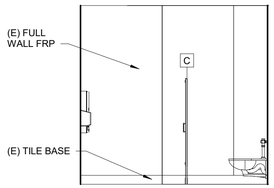
8 GIRLS RR EAST
1/4" = 1'-0"



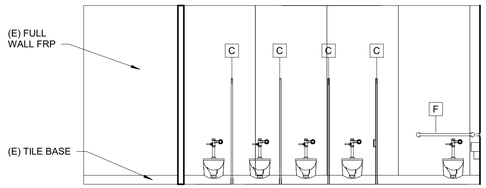
9 GIRLS RR SOUTH
1/4" = 1'-0"



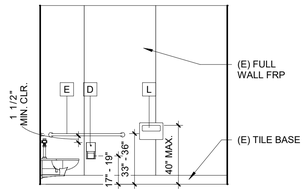
10 GIRLS RR WEST
1/4" = 1'-0"



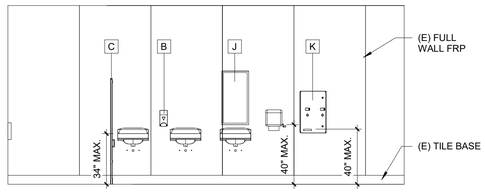
11 WOMENS RR NORTH
1/4" = 1'-0"



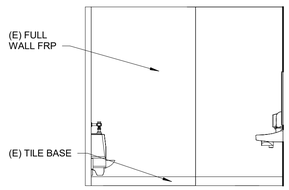
12 WOMENS RR EAST
1/4" = 1'-0"



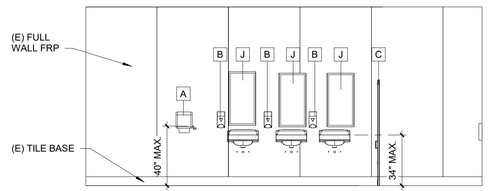
13 WOMENS RR WEST
1/4" = 1'-0"



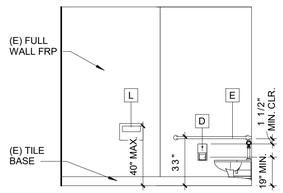
14 WOMENS RR SOUTH
1/4" = 1'-0"



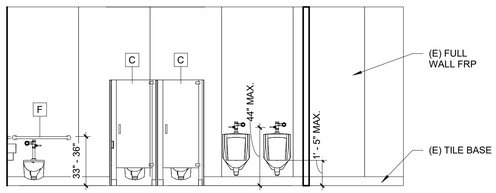
15 MENS RR104B
1/4" = 1'-0"



16 MENS RR104C
1/4" = 1'-0"



17 MENS RR104D
1/4" = 1'-0"



18 MENS RR104A
1/4" = 1'-0"

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LICENSED ARCHITECT
TIMOTHY L. DEARBORN
C-25928
RENEWAL 12 / 2025
STATE OF CALIFORNIA

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LODI UNIFIED SCHOOL DISTRICT

REVISIONS

PROJECT NO:	2025-03
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DRAWN BY:	HD

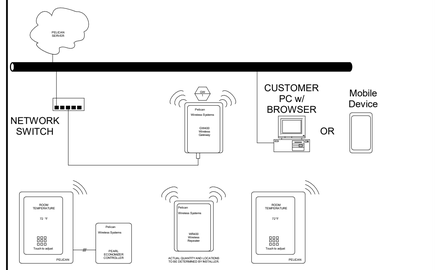
RESTROOM FLOOR PLAN AND INTERIOR ELEVATIONS PER DSA# 02-123434

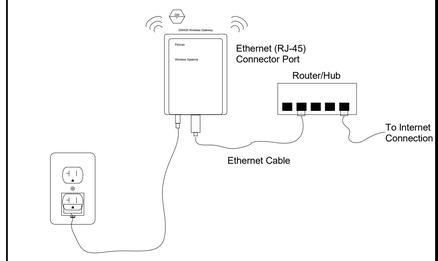
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Pelican Wireless LAN Layout





FACTORY IP ADDRESS GATEWAY WILL CONNECT AUTOMATICALLY TO PELICAN SERVER AFTER SERIAL NO. OF GATEWAY IS REGISTERED ON PELICAN SITE

Go to: https://www.pelicanwireless.com/new-site-setup/

2 PELICAN EMS - WIRELESS LAN LAYOUT
SCALE: 6" = 1'-0"

SEQUENCE OF OPERATION

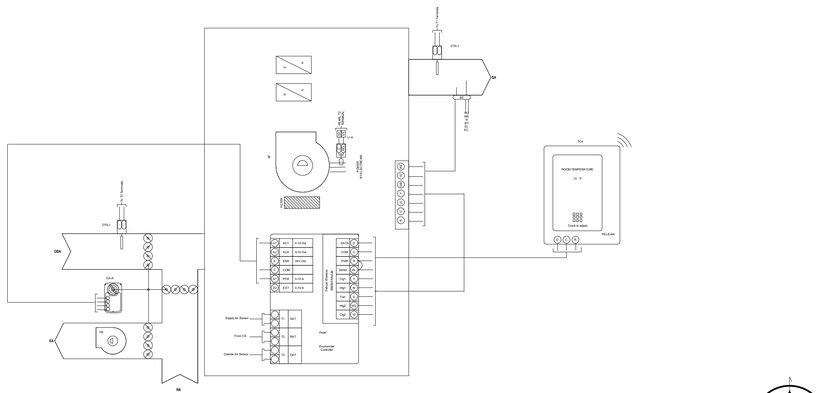
GENERAL:
THE NETWORK THERMOSTAT SHALL BE PROGRAMMED AS DIRECTED BY THE DISTRICT FOR OCCUPIED PERIODS,UNOCCUPIED PERIODS AND HOLIDAYS. THE NETWORK THERMOSTAT SHALL BE CAPABLE OF RECEIVING A UTILITY COMPANY " AUTOMATED DEMAND REDUCTION' (ADR) SIGNAL VIA WIRELESS SIGNAL FROM INTERNET CONNECTED WIRELESS GATEWAY.(CRITICAL ZONES SHALL NOT BE IMPACTED BY "ADR" CALL). THE UNIT SHALL PROVIDE MINIMUM OUTSIDE AIR VENTILATION FOR 1HOUR (ADJ.) PRIOR TO SCHEDULED OCCUPANCY. DURING PERIODS OF OCCUPANCY, THE SUPPLY FAN SHALL BE ENABLED AND STAGED HEATING OR COOLING SHALL BE PROVIDED TO MAINTAIN ROOM SETPOINT. THE UNIT SHALL BE CONTROLLED BY A FAULT DETECTION & DIAGNOSTICS' (FDD) ECONOMIZER/VENTILATION CONTROLLER AND TEMPERATURE SENSORS. THE FDD ECONOMIZER CONTROLLER SHALL GENERATE ALARMS WHEN A FAILURE OF THE SUPPLY, OUTSIDE OR ROOM TEMPERATURE SENSOR IS DETECTED. ALSO, THE FDD ECONOMIZER CONTROLLER SHALL GENERATE ALARMS IF A FAILURE OF THE ECONOMIZER DAMPER IS DETECTED AS FOLLOW: A) NOT ECONOMIZING-DAMPER NOT OPENING WHEN COMMANDED, B) ECONOMIZING WHEN NOT NEEDED-DAMPER OPEN WHEN NOT COMMANDED, C) EXCESS OUTDOOR AIR- DAMPER NOT MODULATING TO MINIMUM POSITION WHEN COMMANDED TO MINIMUM POSITION. SIMILARLY, THE FDD ECONOMIZER CONTROLLER SHALL ALSO GENERATE ALARMS IF A FAILURE OF THE CONTROLLER OR THERMOSTAT ELECTRONICS IS DETECTED OR IF THE EQUIPMENT IS UNABLE TO HEAT OR COOL THE CONDITIONED SPACE. THE OUTSIDE AIR DAMPER SHALL MODULATE FULLY CLOSED WHENEVER THE UNIT IS DISABLED.

COOLING:
ON A CALL FOR COOLING, IF THE OUTSIDE AIR TEMPERATURE IS BELOW THE ECONOMIZER LOCKOUT TEMPERATURE SET AT 75 DEG F (ADJ.), THE ECONOMIZER DAMPERS SHALL MODULATE AS NEEDED TO OPERATE AS THE FIRST STAGE OF COOLING. ON AN ADDITIONAL CALL FOR COOLING, IF THE OUTSIDE AIR TEMPERATURE IS ABOVE THE COOLING LOCKOUT TEMPERATURE SET AT 60 DEG F(ADJ.), STAGES OF DX COOLING SHALL BE ENABLED IN CONJUNCTION WITH THE ECONOMIZER TO MAINTAIN ROOM COOLING SETPOINT. IF SETPOINT STILL CANNOT BE MAINTAINED, OR IF THE OUTSIDE AIR TEMPERATURE RISES ABOVE THE ECONOMIZER LOCKOUT TEMPERATURE, THE ECONOMIZER DAMPERS SHALL MODULATE TO MINIMUM POSITION AND STAGES OF DX COOLING SHALL BE ENABLED TO MAINTAIN ROOM COOLING SETPOINT.

HEATING:
ON A CALL FOR HEATING, IF THE OUTSIDE AIR TEMPERATURE IS BELOW THE HEATING LOCKOUT TEMPERATURE SET AT 65 DEG F (ADJ.), THE ECONOMIZER DAMPERS SHALL MODULATE TO MINIMUM POSITION. AND STAGES OF HEATING SHALL BE ENABLED TO MAINTAIN ROOM HEATING SETPOINT.

DEMAND CONTROLLED VENTILATION:
CO2 CONTROL OVER THE ECONOMIZER SHALL ALWAYS TAKE PRECEDENCE OVER HEATING OR COOLING TO MAINTAIN A ZONE CO2 LEVEL LESS THEN 800 PPM (ADJUSTABLE). WHEN CO2 LEVELS RISE ABOVE 800 PPM (ADJUSTABLE), THE ECONOMIZER SHALL MODULATE OPEN AS NEEDED TO MAINTAIN CO2 LEVELS BELOW 800 PPM (ADJUSTABLE). IF THE OUTSIDE AIR DAMPER REACHES ITS UPPER MAXIMUM POSITION AND CO2 LEVELS ARE STILL RISING, THE OUTSIDE AIR DAMPER SHALL BE LOCKED AT THIS POSITION UNTIL CO2 LEVELS HAVE DROPPED BELOW 800 PPM (ADJUSTABLE). ONCE CO2 LEVELS HAVE DROPPED BELOW 800 PPM (ADJUSTABLE), THE ECONOMIZER SHALL RETURN TO THE POSITION AS DETERMINED BY THE CALL FOR HEATING OR COOLING.

WHP UNIT WITH ECONOMIZER AND CO2



1 PELICAN EMS CONTROLS - WHP
SCALE: 6" = 1'-0"

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LODI UNIFIED SCHOOL DISTRICT

REVISIONS

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ISSUE DATE: 11/12/2025
DRAWN BY: TLD

PELICAN EMS DETAILS

M1.0

260500 ELECTRICAL WORK FOR COMMON RESULTS:

1. ELECTRICAL INSTALLATION SHALL COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, INCLUDING THE FOLLOWING:
TITLE 24, CCR, PART 2, 2022 CBC
TITLE 24, CCR, PART 3, 2022 CEC
TITLE 24, CCR, PART 4, 2022 CMC
TITLE 24, CCR, PART 9, 2022 CFC
TITLE 24, CCR, PART 6, 2022 CALIFORNIA ENERGY CODE
TITLE 24, CCR, PART 11, 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
ALL APPLICABLE LOCAL CODES

2. ELECTRICAL CONTRACTOR SHALL VERIFY POWER, TELEPHONE AND CABLE TV SERVICES AT SITE PRIOR TO BIDDING. SERVICES TO CONFORM TO UTILITY COMPANY REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL ARRANGE FOR SERVICE INSTALLATIONS PER UTILITY COMPANY REQUIREMENTS AND PAY ALL CUSTOMER CHARGED SERVICE COSTS. COORDINATE WITH OWNER AND UTILITY COMPANY FOR SERVICE INSTALLATION.

3. CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, LICENSES, ETC. REQUIRED TO CARRY ON AND COMPLETE THE WORK.

4. PROVIDE ALL LABOR, MATERIALS, TOOLS, PLANT EQUIPMENT, TRANSPORTATION AND PERFORM ALL OPERATIONS NECESSARY FOR ANY REASONABLE INCIDENTAL TO PROPER EXECUTION AND COMPLETION OF ALL "ELECTRICAL WORK" WHETHER SPECIFICALLY MENTIONED OR NOT; ALL AS INDICATED, SPECIFIED HEREIN, AND/OR IMPLIED THEREBY TO CARRY OUT THE APPARENT INTENT THEREOF.

5. ALL MATERIALS SHALL BE NEW AND LISTED WITH THE UNDERWRITERS' LABORATORIES, INC., SHALL MEET THEIR REQUIREMENTS AND SHALL BEAR THEIR LABEL WHEREVER STANDARDS HAVE BEEN ESTABLISHED AND LABEL SERVICE IS REGULARLY FURNISHED BY THAT AGENCY.

6. ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH THE SIZE AND LOCATIONS OF EQUIPMENT ARE SHOWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION AT THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT AND INSTALLING HIS WORK TO AVOID INTERFERENCE WITH OTHER TRADES.

7. WORK SHOWN ON THE DRAWINGS TO BE INSTALLED UNDERGROUND SHALL BE INSTALLED AT LEAST 24" BELOW GRADE UNLESS OTHERWISE NOTED. BACKFILL IN 6" THICK, PROPERLY MOISTENED LAYERS, SOLIDLY PACKED AND IRON TAMPED TO A DENSITY NOT LESS THAN THAT OF ADJACENT, UNDISTURBED EARTH. RESTORE SURFACES, ROADWAYS, WALKS, CURBS, WALLS AND EXISTING UNDERGROUND INSTALLATIONS TO ORIGINAL CONDITION IN AN ACCEPTABLE MANNER.

8. ALL ELECTRICAL EQUIPMENT EXPOSED TO THE WEATHER SHALL BE LISTED FOR EXTERIOR USE.

9. ALL U.L. LISTED EQUIPMENT SHALL BE INSTALLED AS PER THEIR LISTING OR LABELING.

10. IN LOCATIONS WHERE ELECTRICAL EQUIPMENT WOULD BE EXPOSED TO PHYSICAL DAMAGE, ENCLOSURES OR GUARDS SHALL BE SO ARRANGED AND OF SUCH STRENGTH AS TO PREVENT SUCH DAMAGE.

11. CONFLICTS BETWEEN SPECIFICATIONS AND PLANS:

a. ANY CONFLICT BETWEEN ELECTRICAL SPECIFICATIONS AND ELECTRICAL PLANS; OR BETWEEN ELECTRICAL PLANS AND PLANS OF ANOTHER DISCIPLINE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND A RESOLUTION RECEIVED PRIOR TO PROCUREMENT OR INSTALLATION OF THE ITEM IN QUESTION.

b. IF THE CONTRACTOR PROCEEDS WITH THE WORK WITHOUT RECEIVING ANY RESOLUTION TO THE CONFLICT HE/SHE DOES SO AT HIS/HER OWN RISK AND SHALL RECTIFY THE WORK TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER OR ENGINEER.

260500.02. SUBMITTALS:

1. PROVIDE THE FOLLOWING SUBMITTALS FOR REVIEW AND APPROVAL. EACH SHALL BE SUBMITTED SEPARATELY TO AVOID DELAYS IN THE REVIEW OF ONE SUBMITTAL IN HOLDING UP REVIEW OF THE REMAINDER.

a. BASIC ELECTRICAL MATERIALS
b. LIGHT FIXTURES
c. FIRE ALARM
d. COMMUNICATIONS EQUIPMENT

260500.03. WORKING CLEARANCES FOR ELECTRICAL SWITCHGEAR:

1. PROVIDE WORKING SPACES FOR ELECTRICAL PANELS AND SWITCHGEAR TO COMPLY WITH CEC 110.26.

2. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES INVOLVED TO ENSURE THE CLEARANCES REQUIRED BY ITEM 1 ABOVE ARE PROVIDED.

260526. GROUNDING:

1. GROUND AND BOND ALL EQUIPMENT AS REQUIRED BY GOVERNING CODES AND SPECIFICALLY INCLUDING SWITCHBOARD, PANELBOARDS, MOTOR CASES, METAL PIPING SYSTEMS, STRUCTURAL STEEL, ETC.

2. PROVIDE GROUND WIRES IN ALL FEEDERS AND BRANCH CIRCUITS, SIZE PER CEC TABLE 250.122

3. ALL GROUND WIRES SHALL BE INSULATED GROUND WIRES.

260529. INSTALLATION OF SUPPORT SYSTEMS

1. RACEWAYS, CABLE ASSEMBLIES, BOXES, CABINETS, AND FITTINGS SHALL BE SECURELY FASTENED IN PLACE PER CEC ARTICLE 300.11. SUPPORT WIRES THAT DO NOT PROVIDE SECURE SUPPORT SHALL NOT BE PERMITTED AS THE SOLE SUPPORT. SUPPORT WIRES AND ASSOCIATED FITTINGS THAT PROVIDE SECURE SUPPORT AND THAT ARE INSTALLED IN ADDITION TO THE CEILING GRID SUPPORT WIRES SHALL BE PERMITTED AS THE SOLE SUPPORT. WHERE INDEPENDENT SUPPORT WIRE ARE USED, THEY SHALL BE SECURED AT BOTH ENDS. CABLES AND RACEWAYS SHALL NOT BE SUPPORTED BY CEILING GRIDS.

2. FURNISH ALL NECESSARY FOUNDATIONS, SUPPORTS, BACKING, ETC., FOR ALL ELECTRICAL ENCLOSURES, CONDUITS AND EQUIPMENT.

3. ATTACH ALL BOXES, CABINETS, ETC. TO WOOD WITH WOOD OR LAG SCREWS, TO METAL WITH MACHINE SCREWS OR BOLTS AND TO CONCRETE WITH EXPANSION ANCHORS AND MACHINE SCREWS OR BOLTS.

2. RIGID STEEL CONDUIT SHALL BE SUPPORTED AT INTERVALS NOT GREATER THAN 10 FT, ELECTRICAL METALLIC TUBING AT INTERVALS NOT GREATER THAN 5 FT.

3. A SUPPORT SHALL BE PROVIDED NOT MORE THAN 3 FT. FROM ANY CHANGE IN DIRECTION. ADDITIONAL SUPPORTS TO THOSE SPECIFIED ABOVE SHALL BE INSTALLED WHERE REQUIRED TO SUIT JOB CONDITIONS AND TO PROVIDE A SECURE INSTALLATION. ALL HANGERS AND SUPPORTS SHALL BE THE PRODUCTS OF ONE MANUFACTURER.

260533. PULL OR JUNCTION BOXES:

1. INSTALL WHERE INDICATED, OR AS REQUIRED BY CODE, PULL BOXES AND JUNCTION BOXES OF SUFFICIENT SIZE AND CAPACITY TO FACILITATE ALL WIRING. BOXES SHALL BE SIZED TO PROPERLY ACCOMMODATE ALL CONDUCTORS ENTERING SAME.

2. BOXES SHALL BE OF THE SHAPE AND SIZE BEST SUITED FOR THE PARTICULAR APPLICATION AND SHALL BE SUPPORTED DIRECTLY TO STRUCTURAL MEMBERS, FRAMING OR BLOCKING BY MEANS OF SCREWS, ANCHORS, BOLTS OR EMBEDDED IN MASONRY.

A. SWITCH AND RECEPTACLE BOX SHALL BE ONE PIECE DRAWN OR STAMPED STEEL BOXES MINIMUM SIZE SHALL BE FOUR INCHES (4") SQUARE. BOXES SHALL BE FITTED WITH FLUSH DEVICE COVERS, PLASTER RINGS, OR TILE SWITCH RINGS IN MASONRY IN AREA WHERE EXPOSED WIRING IS PERMISSIBLE, BOXES SHALL BEFITTED WITH SURFACE TYPE COVERS.

D. WEATHERPROOF BOXES SHALL BE APPLETON FD SERIES AND FITTED WITH GASKETED CAST COVERS.

E. VOICE/DATA OUTLET BOXES SHALL BE 4_11/16"SQ.x2_1/8" DEEP MINIMUM, FITTED WITH PLASTER RINGS.

F. BOXES FOR SPECIAL EQUIPMENT SHALL BE SUITABLE FOR THE PARTICULAR EQUIPMENT.

G. BOXES SHALL BE LOCATED AND PLACED ACCORDING TO ARCHITECTURAL AND STRUCTURAL REQUIREMENTS.

260550. WIRING METHODS: LINE VOLTAGE SYSTEMS (120V AND ABOVE):

1. ALL WIRING SHALL BE INSTALLED IN CONDUITS. CONDUITS SHALL BE RUN CONCEALED IN WALLS AND CEILINGS WHERE FEASIBLE. ALL CONDUITS INSTALLED SURFACE ON WALL SHALL BE PAINTED TO MATCH WALL FINISH. MOUNT EXTERIOR CONDUITS ON WALL ON GALVANIZED UNISTRUTS. ALL SURFACE CONDUIT INSTALLATION/ RUNS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.

2. ALL CONDUITS RUN WITHIN INTERIOR FINISHED SPACES SUCH AS OFFICES, BREAKROOM, RESTROOM ETC. SHALL BE RUN CONCEALED.

3. ALL CONDUITS RUN IN DEDICATED ELECTRICAL AND MECHANICAL ROOMS SHALL BE RUN EXPOSED.

4. MINIMUM CONDUIT SIZE SHALL BE 1/2" ABOVE GRADE AND 3/4" UNDERGROUND.

5. MINIMUM ACCEPTABLE CONDUITS ARE:

A. GALVANIZED RIGID STEEL - FOR USE ON:
(1) EXTERIOR WALL SURFACES.

B. GALVANIZED STEEL EMT FOR USE:
(1) CONCEALED IN INDOOR FINISHED SPACES.
(2) EXPOSED INSIDE ELECTRICAL & MECHANICAL ROOMS.

C. LIQUID TIGHT STEEL FLEX:
(1) FOR FINAL CONNECTION TO OUTDOOR EQUIPMENT. LENGTH SHALL NOT EXCEED 36".

D. FLEXIBLE STEEL CONDUIT:
(1) FOR INDOOR FINAL CONNECTION TO RECESSED LIGHT FIXTURES. LENGTH SHALL NOT EXCEED 72".
(2) FOR INDOOR FINAL CONNECTION TO HVAC EQUIPMENT. LENGTH SHALL NOT EXCEED 36".

E. "PVC" SCHEDULE 40:
(1) FOR CONDUITS RUN UNDERGROUND AND FOR UNDER BUILDING SLAB.
(2) CONDUIT STUBUPS THROUGH THE FLOOR OR GRADE SHALL BE IN PVC WRAPPED RIGID STEEL CONDUIT. PVC WRAPPING SHALL EXTEND 6" ABOVE FINISHED FLOOR OR GRADE.
(3) NOT PERMITTED FOR WIRING ABOVE FINISHED FLOOR INSIDE BUILDINGS

F. ALUMINUM CONDUITS, IMC CONDUITS OR ALUMINUM FITTINGS ARE NOT APPROVED FOR USE ON THIS PROJECT.

G. ALL CONDUIT FITTINGS SHALL BE MALLEABLE IRON/STEEL.

H. COUPLING:
(1) EMT COUPLING - APPLETON TWC-CS SERIES
(2) EMT CONNECTOR - APPLETON TW-CSI SERIES
(3) FLEX CONDUIT CONNECTOR - T&B "TITE BITE", INSULATED
(4) LIQUID TIGHT FLEX CONDUIT CONNECTOR - APPLETON "STB" SERIES UP TO 2", "ST" SERIES OVER 2".

I. RIGID STEEL CONDUIT CONNECTED TO BOXES AND CABINETS SHALL BE FITTED WITH TWO LOCKNUTS AND INSULATING BUSHING, OA "A" SERIES. PROVIDE GROUNDING BUSHING OZ "BL" SERIES WHERE LOCKNUTS AND BUSHING IS NOT USED. CONDUITS CONNECTED TO BOXES EXPOSED TO WEATHER/MOISTURE SHALL BE FITTED WITH WATERTIGHT SEALING HUBS OF STEEL OR MALLEABLE IRON WITH SEALING RING AND INSULATED THREAT, T & B 370 SERIES.

J. TYPE NM AND NMC CABLES SHALL NOT BE USED ON THIS PROJECT.

6. CONDUCTORS SHALL BE COPPER CONDUCTORS TYPE THHN/THWN UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.

7. ALL DEVICES, CONDUITS, RACEWAYS AND CABLES SHOWN ARE NEW TO BE PROVIDED UNLESS OTHERWISE NOTED.

8. FLASH AND COUNTERFLASH ALL ITEMS PASSING THROUGH THE ROOF.

9. THE OWNER RESERVES THE RIGHT TO RELOCATE ALL LIGHTING, OUTLETS AND SWITCHES BEFORE THEY ARE ROUGHED IN AT NO EXTRA COST.

10. SEPARATION OF WIRING OF DIFFERENT VOLTAGE CLASSIFICATIONS:

A. WIRING FOR DIFFERENT VOLTAGE CLASSIFICATIONS SHALL BE INSTALLED IN ENTIRELY SEPARATE RACEWAYS/CONDUITS SYSTEM AND ENCLOSURES/BOXES.

CLASSIFICATION 1 - 0 TO 30V
CLASSIFICATION 2 - 100 TO 250V
CLASSIFICATION 3 - 251 TO 500V

B. PARTICULAR ATTENTION SHALL BE PAID TO THE WIRING FOR

1. ROOF TOP CONVENIENCE OUTLETS FOR SERVICING ROOF TOP EQUIPMENT.

2. LINE VOLTAGE CONTROLS FOR ROOF TOP HVAC AND OTHER REQUIREMENTS.

C. DISCONNECTS SHALL NOT BE USED AS THROUGH RACEWAYS FOR WIRING NOT DIRECTLY SERVING THE DISCONNECTS. SERVICING OUTLETS SHALL NOT BE MOUNTED ON DISCONNECTS.

260551. INSTALLATION OF RACEWAYS AND FITTINGS

1. CONCEAL RACEWAYS WITHIN CEILINGS, WALLS, AND FLOORS EXCEPT WHERE EXPOSED RACEWAYS ARE SPECIFICALLY PERMITTED.

2. WHERE CONDUIT IS ALLOWED TO BE EXPOSED, INSTALL THE CONDUIT PARALLEL WITH OR AT RIGHT ANGLES TO STRUCTURAL MEMBERS, WALLS, AND LINES OF THE BUILDING.

3. INSTALL WHERE INDICATED, OR AS REQUIRED BY CODE, PULLBOXES AND JUNCTION BOXES OF SUFFICIENT SIZE TO FACILITATE WIRING. BOXES SHALL BE SIZED TO PROPERLY ACCOMMODATE ALL CONDUCTORS ENTERING SAME.

4. DO NOT INSTALL CONDUIT OR TUBING WHICH HAS BEEN CRUSHED OR DEFORMED.

5. RUN CONDUCTORS OF SAME CIRCUIT IN SAME CONDUIT. RUN CONDUCTORS OF DIFFERENT VOLTAGE SYSTEMS IN SEPARATE CONDUITS.

6. INSTALL NO CONDUCTORS UNTIL WORK WHICH MIGHT CAUSE DAMAGE TO SUCH CONDUCTORS OR THE CONDUIT HAS BEEN COMPLETED.

7. KEEP ALL CONDUITS AT LEAST SIX INCHES AWAY FROM THE COVERING ON HOT WATER OR STEAM PIPES.

8. CAP RACEWAY ENDS DURING CONSTRUCTION. CLEAN OR REPLACE CONDUITS IN WHICH WATER OR FOREIGN MATTER HAVE ACCUMULATED, TO THE SATISFACTION OF THE ARCHITECT.

9. CONDUITS SHALL BE SUPPORTED WITH STRAPS, WITH GALVANIZED MALLEABLE SPLIT RING AND ROD FOR INDIVIDUAL RUNS OR WITH KINDORF OR UNISTRUT CHANNEL SUPPORTS FOR MULTIPLE RUNS. DISTANCE BETWEEN SUPPORTS SHALL NOT EXCEED 10 FEET. CONDUITS SHALL BE SUPPORTED INDEPENDENTLY OF ONE ANOTHER.

10. CONDUITS CONNECTED TO BOXES AND CABINETS SHALL BE FITTED WITH TWO LOCKNUTS AND INSULATED BUSHING, OA "A" SERIES.

11. CONDUITS NOT CONNECTED WITH LOCKNUTS AND BUSHINGS SHALL BE FITTED WITH GROUNDING BUSHING, OZ "BL" SERIES, U. L. APPROVED AND BONDED.

12. CONDUIT STRAPS FOR INDIVIDUAL RUNS SHALL BE SECURED BY TOGGLE BOLTS ON HOLLOW MASONRY, EXPANSION ANCHORS ON SOLID CONCRETE OR MASONRY, MACHINE SCREWS OR BOLTS ON METAL SURFACES AND WOOD SCREWS ON WOOD CONSTRUCTION. THE USE OF NAILS TO ANCHOR STRAPS ON WOOD CONSTRUCTION IS PROHIBITED. STRAPS SHALL BE TWO HOLE MALLEABLE IRON OR SNAP-TYPE STEEL WITH RIBBED BACK, GALVANIZED OR CADMIUM PLATED. THE USE

13. PLACEMENT OF ALL BOXES SHALL BE GOVERNED BY APPLICABLE ARCHITECTURAL AND STRUCTURAL REQUIREMENTS.

14. CONDUIT FITTINGS: EXCEPT WHERE OTHERWISE NOTED, CONDUIT FITTINGS SHALL BE APPLETON OR APPROVED EQUAL. UNILETS SHALL BE MALLEABLE IRON AND FITTED WITH COVERS AND GASKETS.

15. TELEPHONE AND SIGNAL CONDUIT BENDS WHERE REQUIRED SHALL HAVE A RADIUS OF TEN TIMES THE CONDUIT TRADE SIZE.

16. PROVIDE PULL TAPE IN ALL EMPTY CONDUITS.

260553. NAMEPLATES & IDENTIFICATION:

1. INSTALL ENGRAVED NAMEPLATES FOR EACH PANELBOARD, CABINET, DISCONNECT, ETC. NAMEPLATES SHALL BE SECURELY FASTENED TO THE EQUIPMENT WITH #4 PHILLIPS ROUND HEAD CADMIUM PLATED SELF-TAPPING SCREWS, BRASS BOLT.

2. PROVIDE CIRCUIT LABEL INDICATING PANEL AND CIRCUIT NUMBER ON EACH COVERPLATE FOR EACH RECEPTACLE AND LIGHT SWITCH, MOTION SENSOR SWITCH. SUCH LABEL SHALL BE SELF ADHESIVE WHITE TAPE WITH BLACK LETTERS MADE ON A LABEL MAKER.

3. ALL CONTROLLED RECEPTACLES SHALL BE PERMANENTLY MARKED TO DIFFERENTIATE THEM FROM UNCONTROLLED RECEPTACLES PER CALIFORNIA ENERGY CODE SECTION 130.5(d)(3).

260573. ARC FLASH HAZARDS:

1. PROVIDE WARNING LABEL ON ELECTRICAL EQUIPMENT OF POSSIBLE ARC FLASH HAZARDS PER C.E.C. 110.16.

262200. TRANSFORMERS:

1. TRANSFORMERS SHALL BE DRY TYPE LOW LOSS TRANSFORMERS TYPE AS MANUFACTURED BY SQUARE D OR APPROVED EQUAL THE SAME MANUFACTURER AS THE MAIN SERVICE SWITCHBOARD.

2. TRANSFORMERS SHALL BE THREE PHASE, FOUR WIRE OR SINGLE PHASE, THREE WIRE, WITH KVA RATING AND VOLTAGES AS INDICATED ON THE PLANS. PROVIDE FULL CAPACITY, OFF LOAD PRIMARY TAPS.

3. TRANSFORMERS SHALL BE 150 DEGREES C TEMPERATURE RISE ABOVE 40 DEGREE C AMBIENT. INSULATION SHALL BE IN ACCORDANCE WITH THE LATEST NEMA STANDARDS FOR A 220 DEGREE C UL COMPONENT RECOGNIZED INSULATION SYSTEM.

4. TRANSFORMER COILS SHALL BE COPPER OR ALUMINUM AND OF THE CONTINUOUS WIRE WOUND CONSTRUCTION AND SHALL BE IMPREGNATED WITH NON-HYGROSCOPIC THERMO SETTING VARNISH. TRANSFORMER CORES SHALL BE CONSTRUCTED FROM HIGH GRADE, NON-AGING SILICON STEEL WITH MAGNETIC PERMEABILITY AND LOW LOSSES.THE COMPLETE CORE AND COIL ASSEMBLY SHALL BE SUITABLY CLAMPED AND BRACED MECHANICALLY. ADDITIONALLY, PROVIDE AN ELECTROSTATIC SHIELD ENVELOPING THE FULL HEIGHT OF THE WINDING IN CASE OF SHIELDED TRANSFORMERS.

5. TRANSFORMERS SHALL BE IN HEAVY GAUGE, SHEET STEEL, VENTILATED ENCLOSURE PER UL, NEMA AND CEC STANDARDS EXCEPT ONES CALLED OUT ON THE PLANS TO HAVE NON-VENTILATED ENCLOSURES.

6. TRANSFORMER SOUND LEVELS SHALL NOT EXCEED 45dB FOR UNITS UP TO 50KVA AND 50dB FOR UNITS 51 TO 150KVA.

7. TRANSFORMERS SHALL BE SUITABLE FOR FLOOR OR WALL MOUNTING AS INDICATED ON THE DRAWINGS.

8. TRANSFORMERS FOR OUTDOORS INSTALLATION SHALL BE WEATHERPROOF. PROVIDE WEATHER SHIELDS WHERE SO REQUIRED.

9. FASTEN TRANSFORMERS TO BUILDING STRUCTURE (WALL OR FLOOR AS CASE MAY BE) USING EXPANSION ANCHORS. PROVIDE BRACKETS AND ALL MOUNTING HARDWARE AS NEEDED.

10. PROVIDE MINIMUM CLEARANCE FROM WALLS AT THE BACK FOR VENTILATION AIR. SUCH CLEARANCES SHALL BE AS REQUIRED BY THE MANUFACTURER.

11. PROVIDE CONCRETE PAD (FOR GRADE MOUNTING) OR PLATFORM (FOR ROOF AND ATTIC SPACE MOUNTING). ROOF PLATFORM DESIGN SHALL BE COMPATIBLE ROOF SYSTEM.

12. FOR ROOF MOUNTING, SEAL ALL ANCHOR BOLTS WITH SILICON SEALER.

13. CONDUITS FOR TRANSFORMER CONNECTIONS SHALL BE LOCATED WITHIN THE FOOTPRINT OF THE UNITS AS FAR AS PRACTICAL.

14. CLEAN ALL DEBRIS FROM WITHIN THE TRANSFORMER.

262726. WIRING DEVICES:

1. UNITS SHALL BE EQUAL TO THE DEVICES SET FORTH HEREIN, IN STANDARD COLORS (BROWN, WHITE, GREY, BEIGE OR IVORY) AS SELECTED BY THE ARCHITECT:

A. WIRING DEVICES	LEVITON #	HUBBELL #	P & S #
SINGLE POLE SWITCH, 15A	1201-2	HBL1201	PS15AC1
DOUBLE POLE SWITCH, 15A	1202-2	HBL1202	PS15AC2
THREE WAY SWITCH, 15A	1203-2	HBL1203	PS15AC3
DUPLEX CONV. OUTLET, 15A	5262	HBL5262	5262
DUPLEX CONV. OUTLET, 20A	5362	HBL5362	5362
DUPLEX CONV. GFI OUTLET, 15A	6599	GF15	1595L
DUPLEX CONV. GFI OUTLET, 20A	6899	GF15 2095L	

2. THE CONTROLLED OUTLET SHALL HAVE PERMANENT UNIQUE MARKING PROVIDED BY THE MANUFACTURER OF THE RECEPTACLE.

3. THE MOUNTING HEIGHTS OF LIGHT SWITCHES, RECEPTACLES AND CONTROLS SHALL BE MAXIMUM 48" MEASURED TO THE TOP OF BOXES OR MINIMUM 16" TO THE BOTTOM OF BOXES. SEE "LEGEND" FOR ACTUAL MOUNTING HEIGHTS OF DEVICES. VERIFY HEIGHT WITH ARCHITECT WHERE AN ACTUAL MOUNTING HEIGHT IS NOT CALLED OUT ON PLANS.

4. SINGLE RECEPTACLE SERVED BY INDIVIDUAL 20A BRANCH CIRCUIT DEDICATED TO THE OUTLET SHALL BE 20A RATED PER CEC 210.21(B)(1). ALL OTHERS SHALL BE 15A RATED.

5. ALL 15A AND 20A, 120V OUTLETS IN KITCHEN SHALL BE GFCI PER CEC 210.8(B)(2). LOCATE SUCH OUTLETS SO THAT THEY ARE ACCESSIBLE AFTER APPLIANCES THAT ARE PLUGGED INTO THE OUTLETS ARE IN PLACE.

6. ALL RECEPTACLES INSTALLED OUTDOORS SHALL BE WEATHERPROOF AND HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION.

262726.01. CONTROLLED 120V RECEPTACLES:

1. CALIFORNIA ENERGY CODE, SECTION 130.5(d) NOW REQUIRES THAT BOTH CONTROLLED AND UNCONTROLLED 120V OUTLETS FOR PLUG LOADS BE PROVIDED IN THE FOLLOWING LOCATIONS:

A. EACH PRIVATE OFFICE.
B. EACH OPEN OFFICE AREA.
C. RECEPTION LOBBY.
D. CONFERENCE ROOM.
E. KITCHENETTE AND BREAK ROOM IN OFFICE SPACES.
F. COPY ROOM.

2. CIRCUITS SERVING CONTROLLED RECEPTACLES SHALL BE AUTOMATICALLY BE SHUT-OFF IN ACCORDANCE WITH SECTION 130.1(c)1.

262726.02. DEVICE PLATES:

1. ALL DEVICE PLATES FOR INDOOR USE SHALL BE NYLON.

2. ALL DEVICE BOXES WHICH ARE INSTALLED IN FIRE RATED WALL ASSEMBLY AND IS PROVIDED WITH A FIRE-STOPPING PUTTY PAD SHALL HAVE A BRUSHED STAINLESS STEEL COVERPLATE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PUTTY PAD.

3. DEVICE COVERS FOR SURFACE MOUNTED BOXES SHALL BE 1/2" RAISED STEEL PLATES.

4. DEVICE COVERS FOR DEVICES LOCATED IN DAMP LOCATIONS SHALL COMPLY WITH CEC 406.9(A).

5. DEVICE COVERS FOR DEVICES LOCATED IN WET LOCATIONS SHALL COMPLY WITH CEC 406.9(B).

262729. DISCONNECT SWITCHES:

1. UNITS SHALL BE HEAVY DUTY FUSED DISCONNECT SWITCHES, TWO OR THREE POLE TYPE, WHERE INDICATED ON THE DRAWINGS, OR AS REQUIRED BY CODE. SWITCHES AND FUSES SHALL BE AS REQUIRED BY THE LOADS SERVING.

2. DISCONNECTS FOR FRACTIONAL HORSE POWER MOTORS SHALL BE MOTOR-RATED TOGGLE TYPE DISCONNECTS.

3. DISCONNECTS FOR SINGLE PHASE MOTORS SHALL BE SINGLE PHASE AND NOT THREE PHASE.

4. LOCATE DISCONNECTS IN ACCORDANCE WITH CEC 430.102. ENSURE ALL CODE-REQUIRED CLEARANCES.

265100. LIGHTING:

1. ALL LUMINARIES SHALL BE CERTIFIED BY THE MANUFACTURER TO THE CALIFORNIA ENERGY COMMISSION:

A. ALL LUMINARIES SPECIFIED ON THIS PROJECT SHALL BE AS NOTED IN THE "LIGHT FIXTURE SCHEDULE" ON THESE PLANS. NO SUBSTITUTES ARE PERMITTED WITHOUT WRITTEN APPROVAL OF THE ENGINEER.

265300. EXIT AND MEANS OF EGRESS EMERGENCY LIGHTING:

1. PROVIDE EXIT SIGNS IN ACCORDANCE WITH CBC SECTION 1011.1. PROVIDE MEANS OF EGRESS ILLUMINATION IN ACCORDANCE WITH CBC SECTION 1006. PROVIDE FLOOR-LEVEL EXIT SIGNS PER CBC 1011.7 IF REQUIRED

2. ELECTRICAL CONTRACTOR SHALL RE-VERIFY PLACEMENT OF ALL EXIT SIGNS AS TO ENSURE THAT THEY ARE CLEARLY VISIBLE FROM ANY DIRECTION OF APPROACH WITHIN THE PATH OF EXIT TRAVEL TO AND WITHIN EXITS INSIDE THE BUILDING. THIS VERIFICATION SHALL BE CARRIED OUT AT ROUGHIN STAGE. THEY SHALL BE LOCATED AS NECESSARY TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL. NO POINT IN THE EXIT PATH SHALL BE MORE THAN 100 FT. FROM THE NEAREST VISIBLE SIGN. ALL IN ACCORDANCE WITH CBC SECTION 1011.1. RELOCATE AND/OR ADD EXIT SIGNS AS NECESSARY TO ACHIEVE THIS. PROVIDE PENDANTS TO MOUNT SIGNS AS NECESSARY TO ACHIEVE THIS.

3. THE FINAL NUMBER AND LOCATION OF EXIT SIGNS SHALL BE DETERMINED IN THE FIELD BY THE FIRE MARSHALL AND BUILDING INSPECTOR.

4. INDIVIDUAL UNIT EQUIPMENT FOR EMERGENCY ILLUMINATION SHALL COMPLY WITH CEC SECTION 700.12(F). THE BRANCH CIRCUIT FEEDING THE UNIT EQUIPMENT SHALL BE THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES.

5. ALL EMERGENCY LIGHTS AND EXIT SIGNS SHALL BE PROVIDED WITH AN UNSWITCHED HOT WIRE.

6. ALL EMERGENCY LIGHT FIXTURES WITH INTEGRAL BATTERY BALLASTS SHALL BE SWITCHED AS SHOWN AND SHALL COME ON IN EMERGENCY POWER-OFF MODE UPON POWER FAILURE. TO THIS EFFECT PROVIDE AN UNSWITCHED POWER WIRE TO EACH SUCH FIXTURE FROM THE SAME CIRCUIT AS THAT FEEDING THE LIGHT FIXTURE.

MEP COMPONENT ANCHORAGE

APPLICABLE CODE: 2022 CBC

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 RESPOSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHOD 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 UPON OSHPD OPM, DEFERRED SUBMITTAL

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REVISIONS

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GENERAL NOTES, LEGEND, STRUCTURAL SAFETY NOTES

ES0.1

ELECTRICAL LEGEND

LIGHTING FIXTURES

FIXTURE NOTATIONS:
A,(b),C-12 FIXTURE TYPE "A", SWITCH "b", CIRCUIT C-12

LINEAR FIXTURE
- SQUARE = RECESSED
- CIRCLE =SURFACE

(A LED) ALTERNATE DESIGNATION FOR SITE LIGHTING FIXTURES

TASK LIGHT OR STRIP LIGHT

DOWNLIGHT, SQUARE = RECESSED

WALL MOUNT

CEILING EXHAUST FAN

POLE MOUNT AREA LIGHT

EMERGENCY LIGHTING

EXIT SIGN WITH 90 MIN BATTERY BACKUP

WALL MOUNT EMERGENCY LIGHT WITH 90 MIN BATTERY BACK

EXTERIOR LANDING EMERGENCY LIGHT. CONNECT TO INTERIOR EXIT SIGN FOR POWER.

ELECTRICAL POWER

ALL LINE VOLTAGE WIRING IN CONDUIT, SEE GENERAL NOTES
TICKS = # OF #12 WIRE, SHORT = HOT, LONG = NEUTRAL, DOT = GROUND, UNLESS NOTED OTHERWISE

120V OUTLET, +18" TO BOTTOM OF BOX
- S = SIGN
- F = FLOOR
- GFI = GROUND FAULT INTERUPTER

JUCTION BOX

MOTOR / DISCONNECT

PANELBOARD

TRANSFORMER / SWITCHBOARD AS NOTED

COMMUNICATIONS

TELEPHONE BACKBOARD, PROVIDE #8 GND TO SERVICE GROUND

COMMUNICATIONS OUTLET, PHONE & DATA

PHONE ONLY OUTLET, PREWIRED WITH CAT 6 CABLE

DATA ONLY OUTLET JACK, PREWIRED WITH CAT 6 CABLE

IP SPEAKER

CLOCK SPEAKER (IP BASED)

WAP — WIRELESS ACCESS POINT

TS — TEACHER STATION

HDMI — HMDI CONNECTOR IN FLUSH WALL PLATE

TV — TV EXIST WITH COAX OUTLET, NEW WITH 2 DATA AND HDMI

DRAFTING NOTATIONS

N## — KEY NOTE, SEE SCHEDULE

N## — EQUIPMENT TAG, SEE SCHEDULE

A / E-2 — REFERENCE TO A DETAIL VIEW "A" ON SHEET E-2

NEW ELECTRICAL CONDUIT AND WIRE

(e) (E) EXISTING DEVICE, TO REMAIN IN OPERATION

(r) (R) REMOVE DEVICE, KEEP REMAINDER OF CIRCUIT IN OPERATION

(RR) REMOVE, RELOCATE AND RECONNECT DEVICE ON EXISTING CIRCUIT, EXTEND CIRCUIT

ELECTRICAL ABBREVIATIONS:

AL = ALUMINUM
A = AMPERAGE
AIC = AMPS INTERRUPTING CAPACITY
AFF = ABOVE FINISHED FLOOR
AFG = ABOVE FINISHED GRADE
CKT = CIRCUIT
CO = CONDUIT ONLY
CU = COPPER
EC = ELECTRICAL CONTRACTOR
GC = GENERAL CONTRACTOR
GFI = GROUND FAULT INTERRUPTER
GND = GROUND
KW = KILOWATT
KVA = KILO-VOLT-AMPERE
LC = LIGHTING CONTACTOR
NO = NUMBER
NL = NIGHT LIGHT
PB = PULLBOX
SP = SPACE
UG = UNDERGROUND
UON = UNLESS OTHERWISE NOTED
V = VOLT
WP = WEATHERPROOF

FIRE ALARM

1A, 1X, 1Y, 1Z

TSP#16 ADDRESSIBLE INPUT CIRCUIT
2#14 HARD WIRED NON-ADDRESSIBLE CIRCUITS
2#12 VISUAL CIRCUIT
2#14/SHIELDED AUDIBLE CIRCUIT

NOTE: ALL FIRE ALARM CABLES/ CONDUCTORS SHALL BE CSFM APPROVED.

FIRE ALARM CONTROL PANEL (FACP)

SMOKE DETECTOR

COMBINATION SMOKE /CO DETECTOR

DUCT SMOKE DETECTOR

HEAT DETECTOR

HEAT DETECTOR IN ATTIC (194 DEGREE)

CARBON MONOXIDE DETECTOR

STROBE

COMBINATION SPEAKER/STROBE

EXTERIOR HORN

PULL STATION

MM — INPUT MODULE

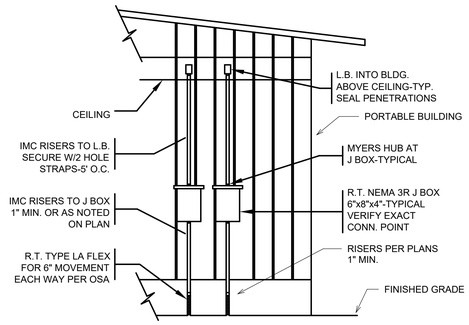
TCDR — TONE GENERATOR

RM — RISER MONITOR MODULE

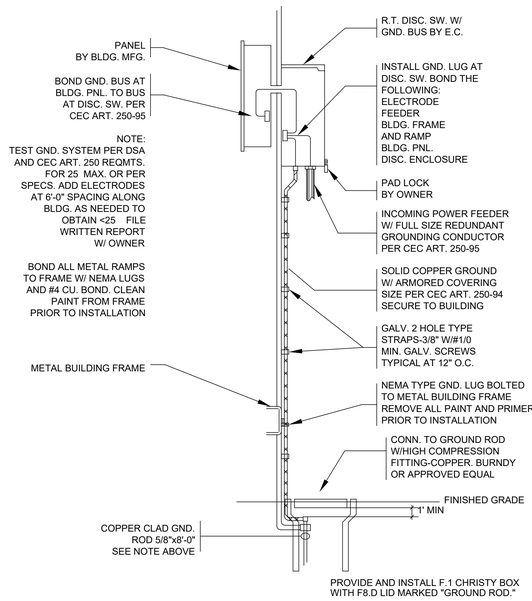
FIRE ALARM ABBREVIATIONS:

CD = CANDELLA
DSD = DUCT SMOKE DETECTOR
EOL = END OF LINE RESISTOR
NAC = NOTIFICATION POWER SUPPLY
PIV = POST INDICATOR VALVE
TS = TAMPER SWITCH
WF = WATER FLOW SWITCH
WP = WEATHERPROOF

MARKINGS:
a### = CIRCUIT "a" DEVICE ###
15CD = 15 CANDELLA VISUAL DEVICE
1/2W = 1/2 WATT AUDIBLE DEVICE

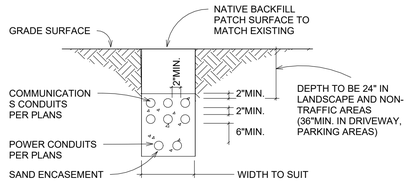


1 PORTABLE CONNECTIONS
SCALE: NTS



GROUND RESISTANCE COMPLIANCE SHALL BE TESTED BY A INDEPENDENT TESTING AGENCY HIRED BY THE OWNER.

2 PORTABLE GROUNDING DETAIL
SCALE: NTS

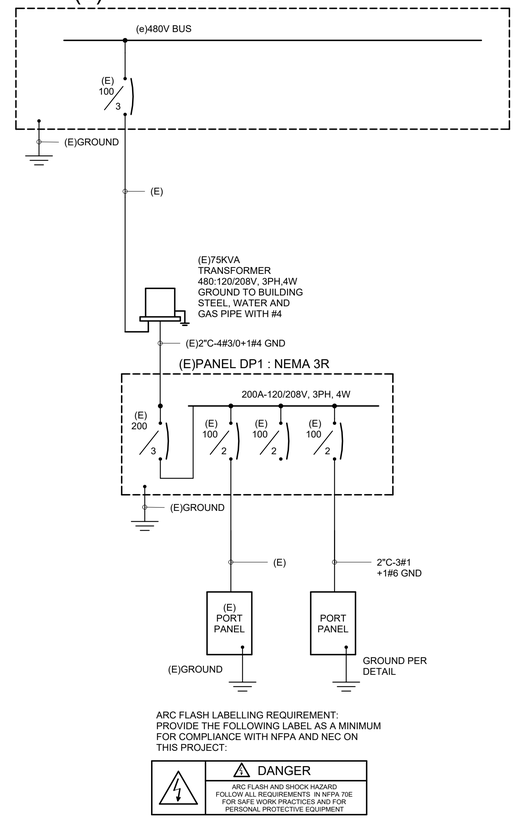


NOTE: PROVIDE MIN 12" CLEARANCE BETWEEN ELECTRICAL AND OTHER UTILITIES (GAS, WATER, ETC.).

SEE DETAIL 9/S0.2 FOR TRENCHES WITHIN 20' OF BUILDINGS.

3 TRENCH DETAIL
SCALE: NTS

(e)MAIN SERVICE



ARC FLASH LABELLING REQUIREMENT:
PROVIDE THE FOLLOWING LABEL AS A MINIMUM FOR COMPLIANCE WITH NFPA AND NEC ON THIS PROJECT:

⚠	⚠ DANGER ARC FLASH AND SHOCK HAZARD FOLLOW ALL REQUIREMENTS IN NFPA 70E FOR SAFE WORK PRACTICES AND FOR PERSONAL PROTECTIVE EQUIPMENT

4 ONE LINE DIAGRAM
SCALE: NTS

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LODI UNIFIED SCHOOL DISTRICT

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PROJECT NO: 2017.xxx
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ISSUE DATE: 10.4.24
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ELECTRICAL CONSTRUCTION DETAILS

ES0.2

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FIRE ALARM SYSTEM NOTES:

1. GENERAL REQUIREMENTS: THE CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE AND FULLY OPERATIONAL FUNCTIONAL AUTOMATIC FIRE ALARM SYSTEM FOR THE BUILDINGS ADDED NETWORK TO EXIST SYSTEM.

A. THE FIRE ALARM SYSTEM SHALL BE AN ELECTRICALLY SUPERVISED, BATTERY STANDBY, FULLY ADDRESSABLE SYSTEM, SUPERVISED AGAINST OPENS, SHORTS AND GROUND FAULTS IN ALL EXTERNAL CIRCUITS AND CONTAIN ALL NECESSARY POWER SUPPLIES, BATTERIES, CHARGER, SIGNAL AND INITIATING CIRCUITS AND SILENCING SWITCH FOR A COMPLETE AND OPERATIONAL SYSTEM.

B. THE FIRE ALARM SYSTEM SHALL CONFORM TO ALL LOCAL AND STATE FIRE CODES. THE SYSTEM SHALL COMPLY WITH SENATE BILL SB 575. ALL EQUIPMENT SHALL HAVE BEEN APPROVED AND LISTED BY THE STATE FIRE MARSHAL.

C. THE FIRE ALARM SYSTEM EQUIPMENT SHALL BE U.L. LISTED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL'S OFFICE.

D. ALL WIRING SHALL BE IN CONDUIT. MINIMUM SIZE OF CONDUIT SHALL BE 1/2" INDOORS AND 3/4" UNDERGROUND. ALL CONDUITS INSTALLED UNDERGROUND AND ON EXTERIOR OF BUILDING EXTERIOR WALLS SHALL HAVE WATER TIGHT FITTINGS.

E. SEE ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

EQUIPMENT: SCOPE OF WORK/INSTALLATION

A. FIRE ALARM CONTROL PANEL WITH ALL NECESSARY MODULES, POWER SUPPLY, BATTERY, ETC., DACT PANEL.

B. WP SPEAKERS, SPEAKER/STROBES AND STROBES.

C. SMOKE DETECTORS AND HEAT DETECTORS.

D. ALL ASSOCIATED WIRING, MODULES, ACCESSORIES, ETC., AS REQUIRED TO MAKE THIS A COMPLETE AND FULLY OPERATIONAL FIRE ALARM SYSTEM.

OPERATION:

1. SEE OPERATION MATRIX.

2. THE AUDIBLE DEVICES SHALL PRODUCE THE SAME BASIC SOUND AND PATTERN. AUDIBLE DEVICES SHALL BE AT LEAST 15dBA ABOVE AVERAGE AMBIENT SOUND LEVEL BUT NOT LESS THAN 75dBA AT 10 FT. OR MORE THAN 110dBA IN TOTAL THROUGHOUT.

3. VISUAL DEVICES SHALL NOT EXCEED 2 FLASHES PER SECOND AND SHALL NOT BE SLOWER THAN 1 FLASH EVERY SECOND.

SUBMITTALS:

1. SUBMITTALS ARE NOT REQUIRED. THE SYSTEM AS LAID OUT ON THE PLANS AND SPECIFIED IN THE SPECIFICATIONS HAS ALREADY BEEN APPROVED BY DSA. THE CONTRACTOR SHALL INSTALL SPECIFIED SYSTEM. SEE ELECTRICAL SPECIFICATIONS FOR SUBSTITUTION INSTRUCTIONS AND REQUIREMENTS WHERE SUBSTITUTIONS ARE PERMITTED.

WIRING:

1. ALL WIRING SHALL BE IN CONDUIT.

2. SEE WIRING SCHEDULE ON THIS SHEET.

COMBINATION SMOKE/FIRE DAMPERS:

1. COMBINATION SMOKE/FIRE DAMPERS ARE TO BE SUPPLIED AND INSTALLED BY THE HVAC CONTRACTOR.

2. ELECTRICAL CONTRACTOR SHALL VERIFY TYPE WITH HVAC CONTRACTOR AND OBTAIN HOOKUP INSTRUCTIONS AND WIRING DIAGRAMS. HE SHALL FURTHER PROVIDE 120 VOLT POWER TO EACH DAMPER AND INTERLOCK DAMPERS TO THE FIRE ALARM SYSTEM AS REQUIRED THROUGH THE CEILING MOUNT SMOKE DETECTORS.

3. ELECTRICAL CONTRACTOR SHALL PROVIDE SYSTEM CEILING MOUNT SMOKE DETECTORS TO PRODUCE A TOTAL-COVERAGE SMOKE DETECTION SYSTEM. INTERTIE THESE DEVICES TO THE FIRE ALARM/CONTROL PANEL AND THE COMBINATION SMOKE/FIRE DAMPERS SUCH THAT THE DAMPERS CLOSE AND THE FIRE ALARM SYSTEM GOES INTO GENERAL ALARM WHEN ANY OF THESE DETECTORS GO INTO ALARM. ALL IN COMPLIANCE WITH C.B.C. SECTION 713.10.

PENETRATIONS:

1. PENETRATIONS OF FIRE-RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, PART 2, CHAPTER 7, TITLE 24.

TESTING:

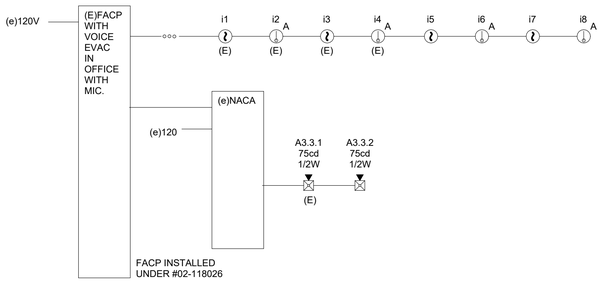
1. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF, AND BE WITNESSED BY THE LOCAL FIRE AUTHORITY WITH THE DSA INSPECTOR OF RECORD.

2. PROVIDE A CERTIFICATE OF COMPLETION PER NFPA 72.

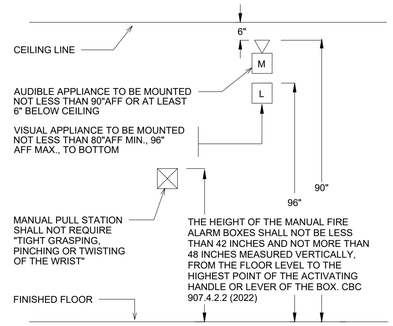
RESULTS \ DEVICE	MANUAL PULL STATION	SMOKE & HEAT DETECTORS	POWER LOSS	GROUND FAULT, OPENS, SHORTS			
ACTIVATE AUDIBLES	YES	YES	NO	NO			
ACTIVATE VISUALS	YES	YES	N/A	N/A			
ANNUNCIATE AT FACP	YES	YES	YES	YES			
ANNUNCIATE AT REMOTE ANNUCIATOR	YES	YES	YES	YES			
LIGHT UP "ALARM" LIGHT	YES	YES	NO	NO			
LIGHT UP "TROUBLE" LIGHT	NO	NO	YES	YES			
REPORT TO CONTROL STATION	YES	YES	YES	YES			

N/A = NOT APPLICABLE

1 FIRE ALARM MATRIX
SCALE: NTS



4 RISER
SCALE: NTS



2 FIRE ALARM ELEVATION
SCALE: NTS

FIRE ALARM SYSTEM COMPONENTS

DEVICE	DESCRIPTION	MANUFACTURER	MODEL #	CSFM #
exist	FIRE ALARM CONTROL PANEL	GAMEWELL	E3	7165-1703:125
	ILI-MB-E3 CPU CARD			
	DACT-E3 DIGITIAL COMMUNICATION			
	E3 ENCLOSURE CABINET, DOORS, PLATES,			
	PM9 POWER SUPPLY			
	RPT-E3-UTP REPEATER			
	INI-VGX VOICE GATEWAY (EVAC)			
	FML-E3 FIBER LOOP CONTROLLER			
	LCD-SLP LCD TOUCH SCREEN			
	1100-0456 AMPLIFIER			
	INCC-MIC MICROPHONE			
	3-12/SIGY 12 SWITCH, 24 LED DISPLAY MOD			
exist	NAC PANEL	GAMEWELL	HPFF8	7315-1637:102
a	ATTIC HEAT DETECTOR	GAMEWELL	ATD-L3H	7270-1703:502
	BASE		B300-6	7300-1653:109
b	SMOKE DETECTOR	GAMEWELL	ASD-PL3	7272-1703:0501
	BASE		B300-6	7300-1653:109
c	SIGNALLING DEVICES			
	SPEAKER STROBE	SYSTEM SENSOR	SPSRL	7320-1653:505

FACP-A BATTERY CALCULATIONS

Description	Qty.	Standby Current (mA)	Total Standby (mA)	Alarm Current (mA)	Total Alarm (mA)
MAIN BOARD	1	81	81	150	150
120/9V POWER SUPPLY	1	50	50	50	50
LCD DISPLAY	1	24	24	28	28
ARC NET REPEATER	1	16	16	17	17
DIGITAL COMMUNICATOR	1	18	18	18	18
REMOTE ANNUNCIATOR	1	200	200	200	200
VOICE GATEWAY	1	150	150	150	150
VOICE AMPLIFIER	2	86	172	2206	4412
OUTPUT MODULE AOM-2SF	1	2	2	6.5	6.5
NETWORK VOICE MODULE (INI-VGE)	1	150	150	150	150
ADDRESSIBLE SWITH MODULE ASM-SLC (FULLY LOADED)	1	11	11	11	11
	3	51	153	136	408
FNA	1	0	0	1223	1223
SPARE NAC CIRCUIT	1	--	0	0	0
	1	--	--	0	0
	1	--	--	0	0
TOTALS	--	--	1028	--	6825

* NOTE: The SIGA Device Controller is calculated with the maximum Signature addressable device load

Battery Requirement Calculation for 24 Hours Standby and 15 Minutes Alarm:
Ampere Hours = [(Standby Current x Time)+(Alarm Current x Time)] x 1.25
Ampere Hours = [(1.028A x 24 hrs)+(6.8245A x 0.25 hrs)] x 1.25
Ampere Hours = 33.0

BATTERIES SUPPLIED: (4) 12 Volts, 24 Ampere Hours (24 Volts, 48 Ampere Hours)

NACA BATTERY CALCULATION

Description	Qty.	Standby Current (mA)	Total Standby (mA)	Alarm Current (mA)	Total Alarm (mA)
Control Board	1	70	70	270	270
NAC A3.3	1	--	--	214	214
EXIST NAC CIRCUIT	1	--	--	1286	1286
EXIST NAC CIRCUIT	1	--	--	879	879
SPARE	1	--	--	0	0
	1	--	--	0	0
TOTALS	--	--	70	--	2649

Battery Requirement Calculation for 24 Hours Standby and 15 Minutes Alarm:
Ampere Hours = [(Standby Current x Time)+(Alarm Current x Time)] x Derating Factor
Ampere Hours = [(0.07A x 24 hrs)+(2.649A x 0.25 hrs)] x 1.25
Ampere Hours = 2.9

BATTERIES SUPPLIED: (2) 12 Volts, 7 Ampere Hours (24 Volts, 7 Ampere Hours)

NAC VOLTAGE DROP CALCULATIONS

CALCULATION: dV = V - (2L x K x dI)
Where: dV = device Voltage
V = previous device voltage (Source Voltage = 20.4 VDC)
K = wire AWG constant (Ω/k') at 167°F: #8 = 0.81, #10 = 1.29, #12 = 2.05, #14 = 3.26 (stranded)
L = wire length
dI = current

DEVICE LEGEND: S(x) = Strobe (where 'x' is candela)
SS(x) = SPEAKER/Strobe (where 'x' is candela)
H = Horn
WPH = Weatherproof Speaker
CEIL = Ceiling Mounted

CIRCUIT: A3.3.

DEVICE ID NO.	DEVICE TYPE	DEVICE CURRENT (mA)	SECTION CURRENT (mA)	WIRE AWG	LENGTH (ft)	DEVICE VDC	PERCENT DROP
A3.3.01	SS75	107	214	12	195	20.23	0.84
A3.3.02	ss75	107	107	12	105	20.18	1.06

SPEAKER NAC VOLTAGE DROP CALCULATIONS (AMP #3)

CALCULATION (LUMP SUM METHOD): VD = (2L x K x I)
Where: VD = voltage drop
L = wire length
K = wire AWG constant (Ω/k') at 167°F: #16 = 4.73, #18 = 7.51, #20 = 11.90, #22 = 19.00 (stranded)
I = total current (Note: Total current is derived by Ohm's Law, dividing the total power by the source voltage: I = P/E)

AUDIO LOSS: dB = 20 x log (Vc/Vs)
Where: dB = audio loss
Vc = calculated voltage (source voltage minus voltage drop)
Vs = source voltage

CIRCUIT NUMBER	TOTAL PWR (W)	SOURCE VOLTAGE	CURRENT (A)	WIRE AWG	LENGTH (ft)	VOLTAGE DROP	PERCENT DROP	AUDIO LOSS (dB)
EXIST	8	70	0.11	16	1000	0.54	0.77	-0.07
EXIST	2	70	0.03	16	250	0.03	0.05	0.00
CKT A3.3	1	70	0.01	16	405	0.03	0.04	0.00

COMPLETE FIRE ALARM SYSTEM SUBMITTALS ATTACHED

NOTE:
AUTOMATIC FIRE ALARM SYSTEMS SHALL BE MONITORED AND SHALL TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72, AS AMENDED BY CFC CHAPTER 80. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX (CENTRAL STATION) OR UUJS (REMOTE & PROPRIETARY) BY UNDERWRITERS LABORATORY INC. (UL) OR OTHER APPROVED LISTING AND TESTING LABORATORY OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD, FACTORY MUTUAL (FM) 3011. TERMINATION OF MONITORING SERVICES SHALL BE IN ACCORDANCE WITH CBC/CFC SECTION 907.6.6.2.

TAG	CABLE	COLOR CODE	FOR
A	TSP#16	RED/BLACK	ADDRESSIBLE INPUT
X	2#12 THWN	RED/BLACK	SMOKE & HEAT DETECTORS
Y	2#12 THWN	BLUE/BROWN	VISUALS
Z	2#12 SPEAKER CABLE	RED/BLACK	AUDIBLE

COMPLETE FIRE ALARM SYSTEM SUBMITTALS ATTACHED. NO SUBSTITUTES.

3 FIRE ALARM WIRING SCHEDULE
SCALE: NTS

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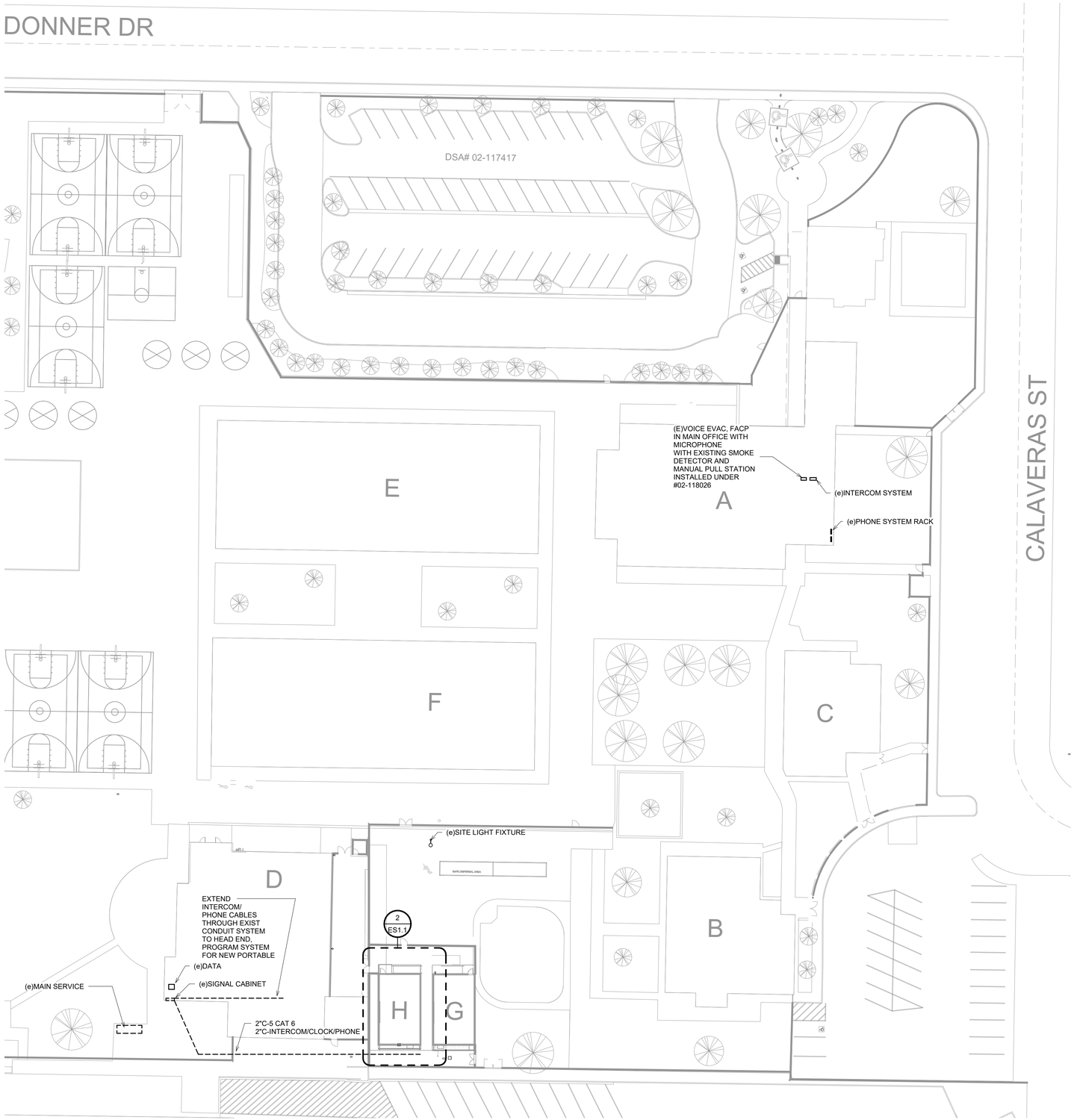
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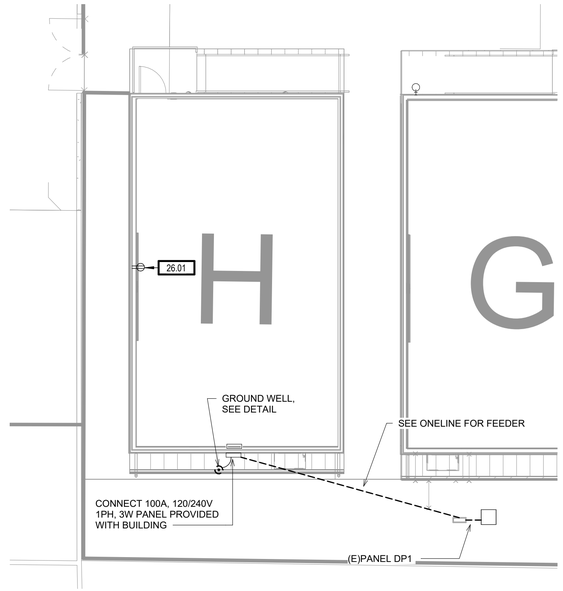
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FIRE ALARM DETAILS

ES0.3



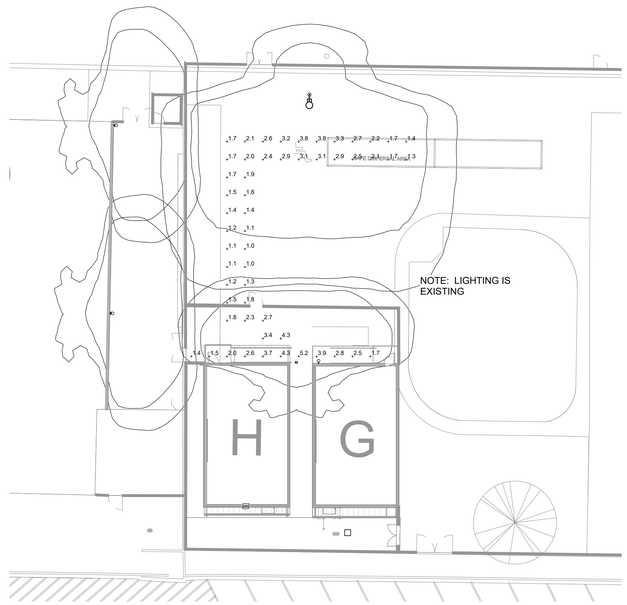
1 ELECTRICAL SITE PLAN
SCALE: 1" = 30'-0"



2 ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"

SHEET NOTES

26.01	PROVIDE DUPLEX OUTLET AT HIGH LEVEL WITH PROJECTOR, SEE ARCHTECTURAL ELEVATIONS FOR HEIGHTS. PROVIDE 1/2"C-2#12+1#12 GND WITH SURFACE MOUNT WIREMOLD EXPOSED, ADD 20/1 CB IN LOCAL PANEL FOR OUTLET.



3 PHOTOMETRIC STUDY
SCALE: 1" = 20'-0"

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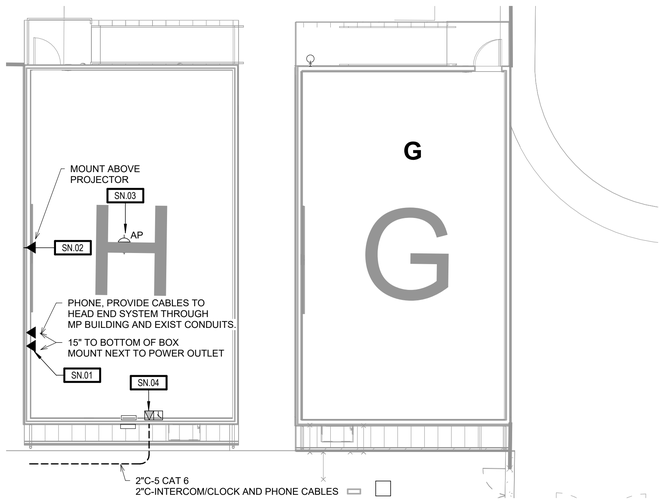
ELECTRICAL PLAN

ES1.1

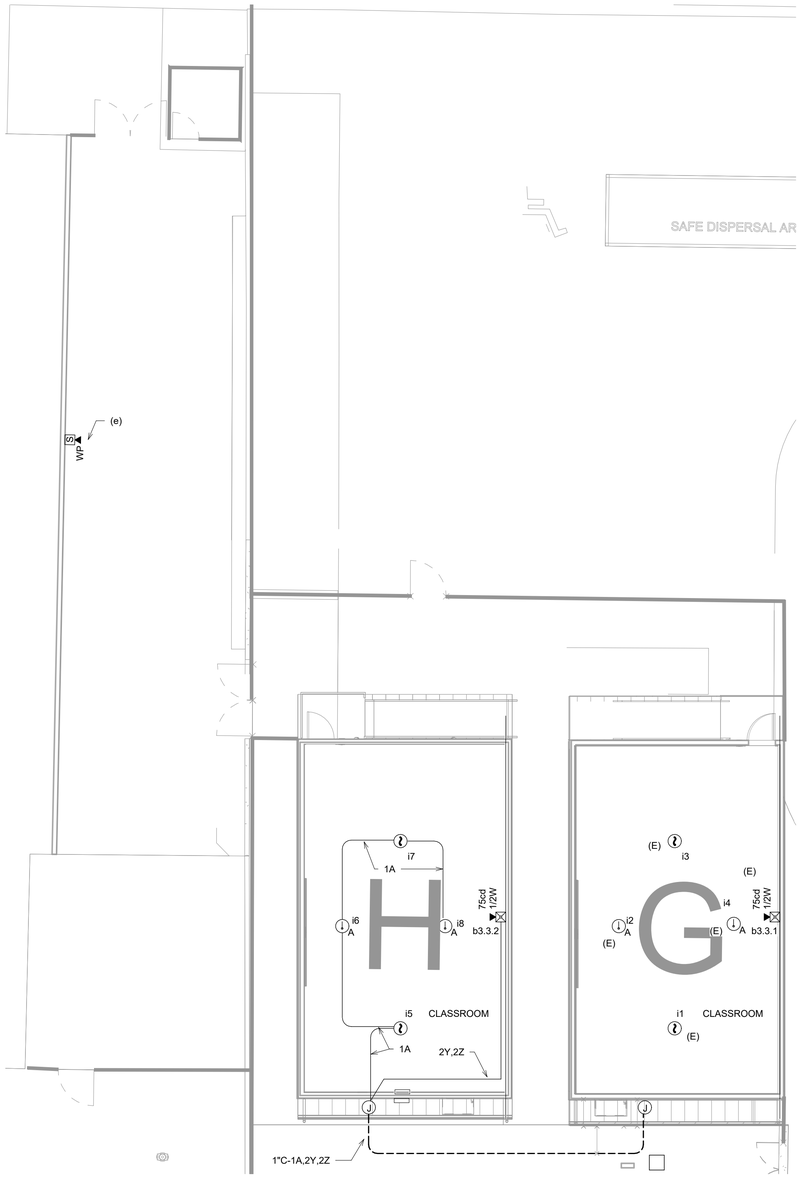
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SHEET NOTES	
SN.01	PROVIDE (2) CAT6 DATA DROPS FOR TEACHER DESK FOR COMPUTER AND PHONE
SN.02	PROVIDE (2) CAT6 DATA DROPS FOR TV AT A HIGH LEVEL
SN.03	PROVIDE (1) CAT6 FOR WIRELESS ACCESS POINT
SN.04	PROVIDE SURFACE MOUNT CLOCK/SPEAKER TO MATCH THE EXISTING SYSTEM, MOUNT AT 84" TO TOP. PREWIRE WITH SYSTEM CABLES THROUGH EXISTING CONDUITS TO THE HEAD END. PROVIDE ACCESSORIES AND PROGRAMMING AS REQUIRED.



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



NOTE: HVAC ARE HEAT PUMPS, NO GAS BURNING APPLIANCES IN BUILDING.

2 FIRE ALARM PLAN
SCALE: 1/8" = 1'-0"

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SIGNAL PLANS

ES2.1

TMP SERVICES

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(951) 213-3900
FAX (651) 213-3997

PC
ACCESSIBLE RAMPS/ LANDINGS/STAIRS
(STEEL + OPTIONAL ALUM. DECK)

STATE OF CALIFORNIA - 2021 IBC/2022 CBC

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number: School Name: School District:

DSA File Number: Increment Number: Date Created:

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	**GE (Geotechnical Engineer)** – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
Periodic – Indicates that a periodic special inspection is required	**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.
Test – Indicates that a test is required	**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.

CS. 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.)

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**).

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 5 & 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.

"CONSTRUCTION OF" AND "STOCKPILE OF" EXAMPLE DSA 103 FORM (DSA 103 FORM NOT REQUIRED FOR RELOCATION OF CERTIFIED RAMP & LANDING).

THE EXAMPLE FORM DSA-103 SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTURE PROJECT-SPECIFIC FORM DSA-103'S. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND THE EXAMPLE FORM DSA-103 IS TO BE CROSSED OUT ON THIS DRAWING.

NOTES:

LOADS:

1. RAMP LIVE LOAD = 100 PSF
2. NO SNOW LOADING
3. NO FLOOD LOADING
4. WIND:
   WIND SPEED = 110 MPH
   RISK CATEGORY = II & III
   EXPOSURE = C
   K_{ZT} = 1.0
   WIND DESIGN PER ASCE 7-16 CHAPTER 29
5. SEISMIC:

RISK CATEGORY = II	RISK CATEGORY = III
I_e = 1.0	I_e = 1.25
S_S = 2.55	S_S = 1.43
S_1 = 1.0	S_1 = 1.0
SITE CLASS = D DEFAULT	SITE CLASS = D DEFAULT
S_{DS} = 1.428	S_{DS} = 1.14
C_S = 1.14 (ASCE 7-16 EQUATION 15.4-2)	C_S = 1.14 (ASCE 7-16 EQUATION 15.4-2)
R = 1.25 (ASCE 7-16 TABLE 15.4-1)	R = 1.25 (ASCE 7-16 TABLE 15.4-1)

6. ALLOWABLE SOIL BEARING = 1000 PSF

CODES: (TITLE 24 CODES)

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC)....(PART 1, TITLE 24, CCR)

2022 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR) (2021 EDITION INTERNATIONAL BUILDING CODE WITH 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA FIRE CODE (CFC), (PART 9, TITLE 24, CCR) (2021 EDITION INTERNATIONAL FIRE CODE WITH 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA GREEN CODE (CGC), (PART 9, TITLE 24, CCR)

2022 CALIFORNIA REFERENCED CODE, (PART 12, TITLE 24, CCR)

2022 CODE SECTIONS FOR APPLICABLE STANDARDS
2022 CBC, CHAPTER 35

TABLE OF CONTENTS

Sheet No.	Description	Dated	Revised
1	COVER SHEET	02 AUG 2023	
2	ACCESSIBLE RAMP ELEVATIONS & DETAILS	02 AUG 2023	
3	ACCESSIBLE RAMP DETAILS & NOTES	02 AUG 2023	
4	DETAILS & NOTES	02 AUG 2023	
5	ACCESSIBLE RAMP SWITCH BACK DETAILS	02 AUG 2023	
6	STAIRS - OPTIONAL	02 AUG 2023	
7	ACCESSIBLE RAMP OPTIONAL ALUMINUM DECK	02 AUG 2023	
8	ACCESSIBLE RAMP ELEVATIONS & PLAN VIEWS	02 AUG 2023	

ALTERNATE RAMPS/LANDINGS/STAIRS

Sheet No.	Description	Dated	Revised
1A	COVER SHEET	02 AUG 2023	
2A	ACCESSIBLE RAMP ELEVATIONS & DETAILS	02 AUG 2023	
3A	ACCESSIBLE RAMP DETAILS & NOTES	02 AUG 2023	
4A	DETAILS & NOTES	02 AUG 2023	
5A	ACCESSIBLE RAMP SWITCH BACK DETAILS	02 AUG 2023	
6A	STAIRS - OPTIONAL	02 AUG 2023	
7A	ACCESSIBLE RAMP OPTIONAL ALUMINUM DECK	02 AUG 2023	
8A	ACCESSIBLE RAMP ELEVATIONS & PLAN VIEWS	02 AUG 2023	

DSA APPROVALS

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WWW.RSTAVARES.COM

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DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

PRE-CHECK (PC) DOCUMENT
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APPLICATION FOR CONSTRUCTION
IS REQUIRED

REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRANCO
No. S3380
exp. 03/31/24
STRUCTURAL
STATE OF CALIFORNIA
02/12/24

DATE SIGNED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122262 PC
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SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 02/14/2024

COVER SHEET

TMP SERVICES
2929 KANSAS AVE.
RIVERSIDE, CA 92507
PHONE: (951)213-3900
FAX: (951)213 3997

SITE:

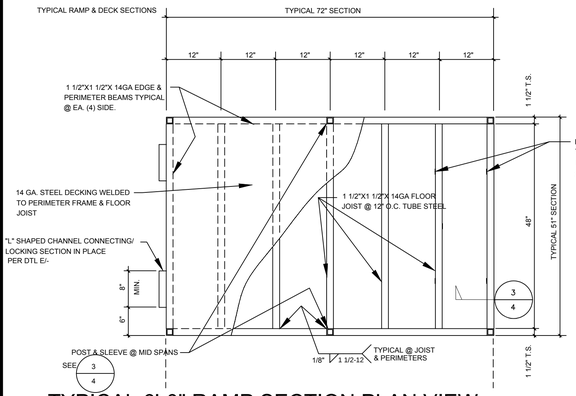
STATE OF CALIFORNIA -2022 CBC
PC

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DATE
02 AUG 2023
SCALE
JOB NO.

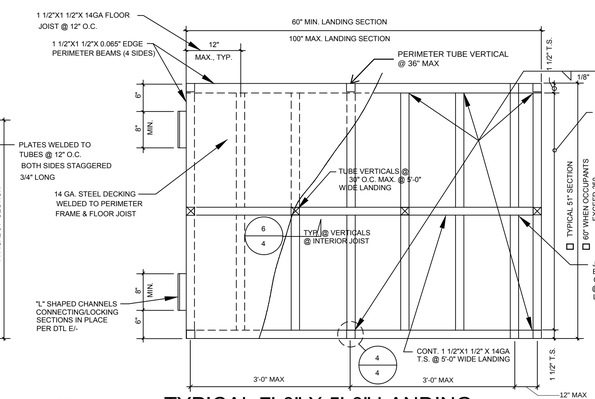
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1 OF 16 SHEETS

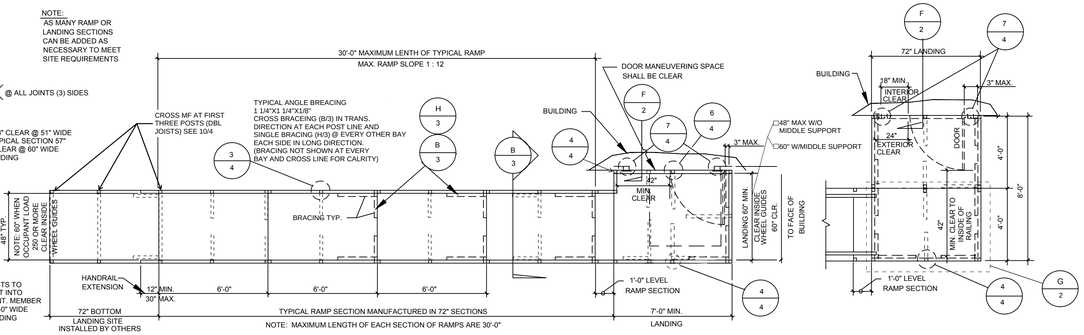
TMP SERVICES DSA RAMP & LANDING - STEEL SHEET 1.DWG



TYPICAL 6'-0" RAMP SECTION PLAN VIEW (A)



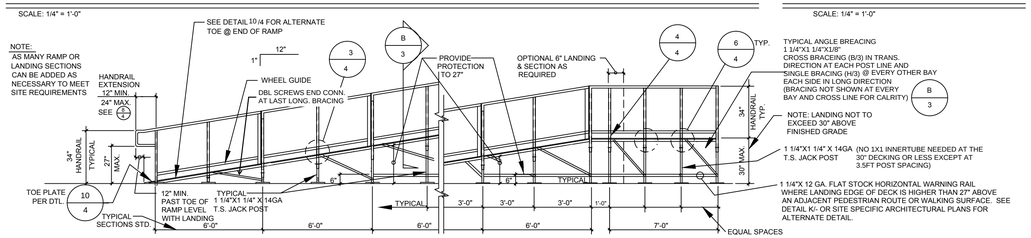
TYPICAL 7'-0" X 5'-0" LANDING (G)



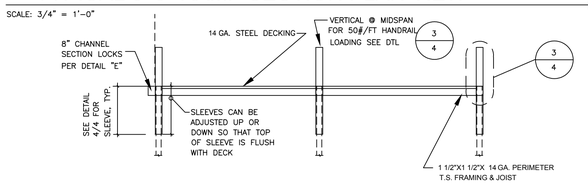
TYPICAL PLAN VIEW OF ACCESSIBLE RAMP & DECK LAYOUT

OPTIONAL LANDING

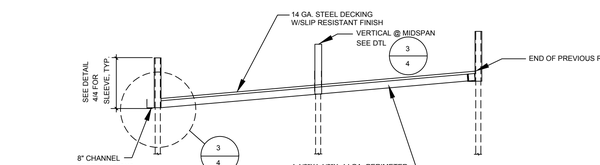
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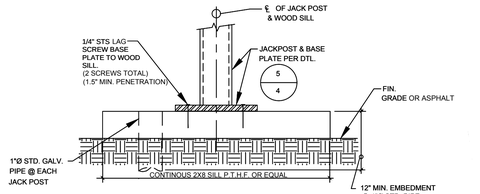
TYPICAL ELEVATION OF ACCESSIBLE RAMP & DECKING 30" OR LESS



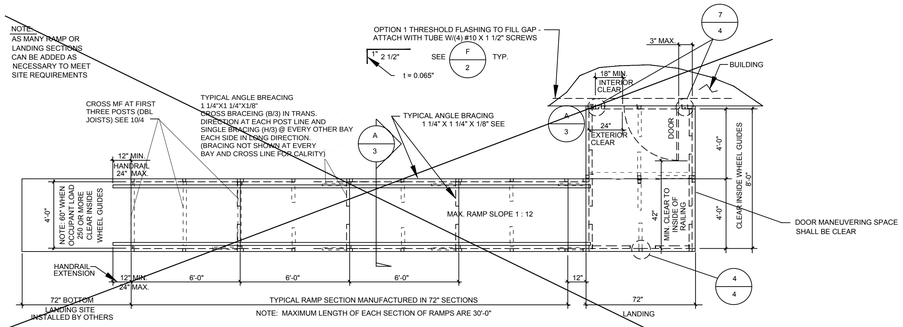
SIDE/END VIEW OF LEVEL DECK SECTION (B)



SIDE VIEW OF SLOPING RAMP SECTION TYPICAL (C)

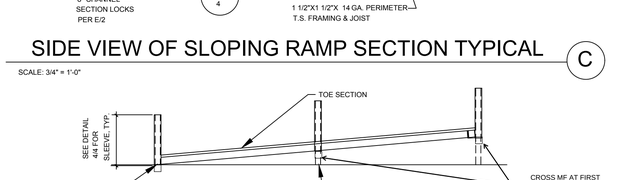


ALTERNATE WOOD SILLS @JACK POST TO GRADE OR ASPHALT WHERE CONCRETE DOES NOT OCCUR (J)

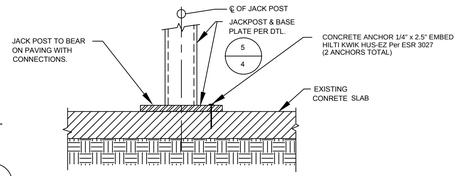


TYPICAL PLAN VIEW OF ACCESSIBLE RAMP & DECK LAYOUT OVER 30" DESIGN

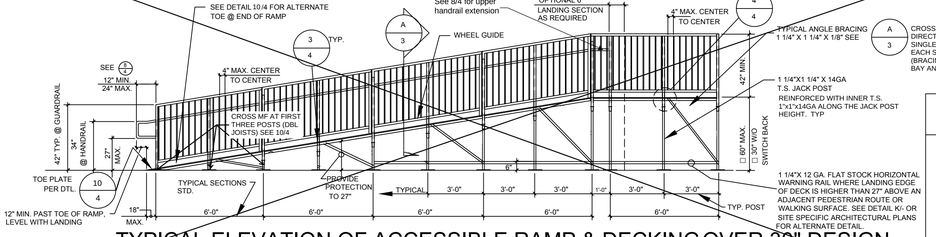
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TOE SECTION (D)

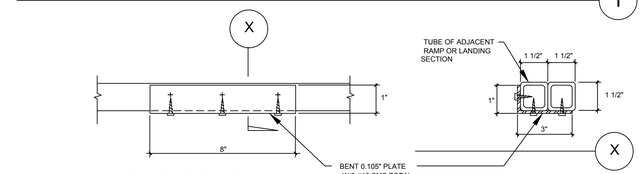


JACK POST TO PAVING (JA)



TYPICAL ELEVATION OF ACCESSIBLE RAMP & DECKING OVER 30" DESIGN

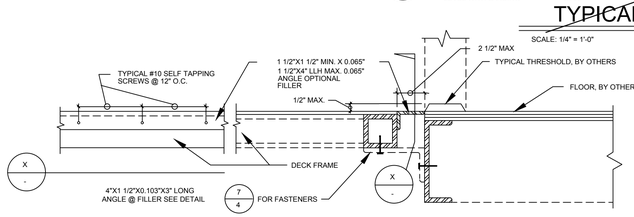
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WELDED OPTION (1)

SMS OPTION (2)

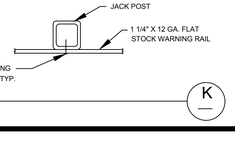
8" CHANNEL SECTION (E)



FILLER DETAIL (F)

NOTE: 1. SEE PLAN SHEET 3 FOR HANDRAIL/GUARDRAIL SIZES

2. PROVIDE INTERMEDIATE LANDINGS AND SWITCH BACK OR MULTIPLE RAMP SECTIONS AS REQUIRED WHERE ELEVATION DIFFERENCE AT RAMP EXCEEDS 30" MAX. RISE, SEE SHEET 5 FOR OPTIONAL RAMP/LANDING LAYOUTS.



(K)

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11590 W. BERNARDO COURT, SUITE 105
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WWW.RSTAVARES.COM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT
APPLICATION FOR CONSTRUCTION IS REQUIRED

REGISTERED PROFESSIONAL ENGINEER — MANNY D. FRANCO — No. 53380 — exp. 03/31/24 — STRUCTURAL — STATE OF CALIFORNIA
02/12/24

DATE SIGNED

APPROVED
DIV. OF THE STATE ARCHITECT
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ACCESSIBLE RAMP ELEVATIONS & DETAILS

TMP SERVICES
2929 KANSAS AVE.
RIVERSIDE, CA 92507
PHONE: (951)213-3900
FAX: (951)213 3997

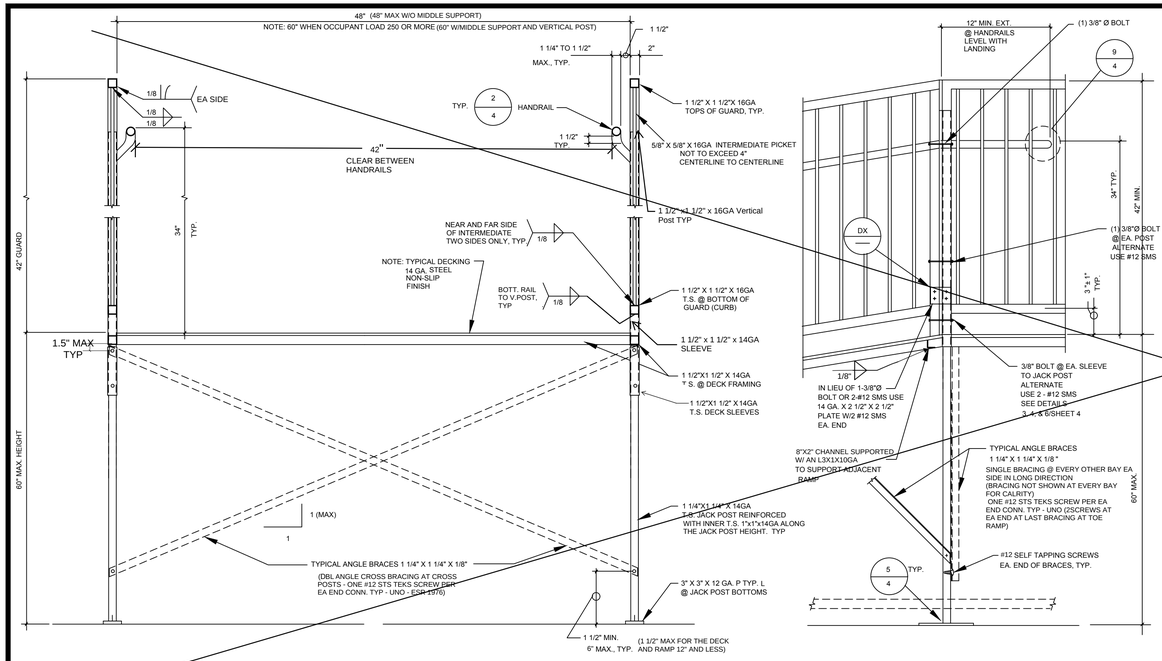
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JOB NO.
2 Add text here
2 OF 16 SHEETS

TMP DSA RAMP AND LANDING STEEL SHEET 2.DWG



A

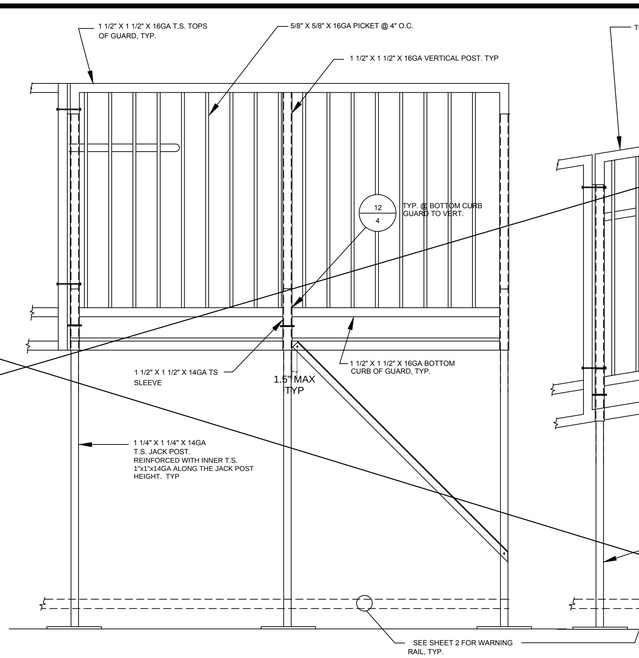
TYPICAL CROSS SECTIONS +30"

SCALE: 1" = 1'-0"

C

POST SECTION +30"

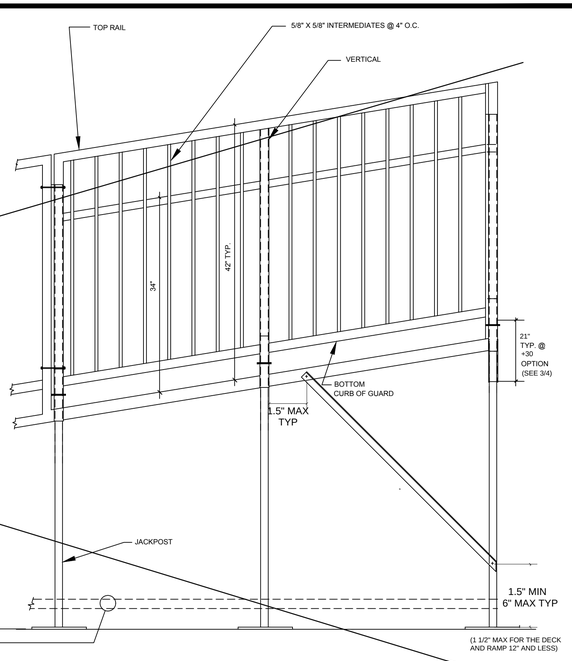
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E

LANDING RAIL LAYOUT +30"

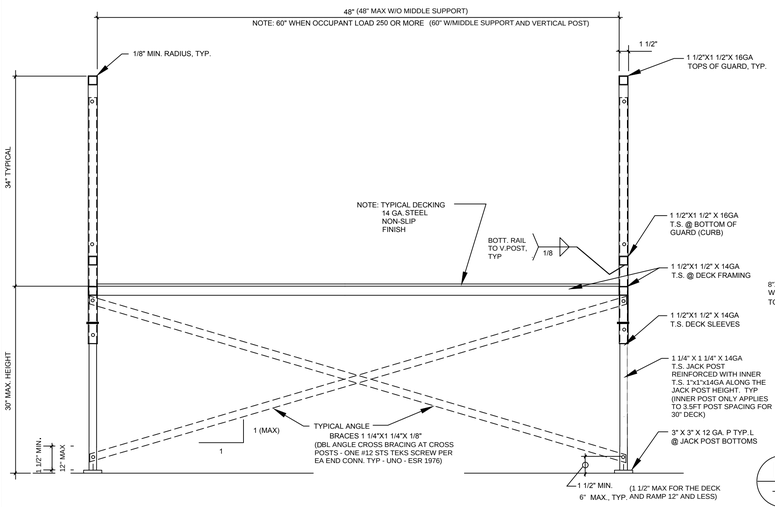
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G

RAMP RAILING LAYOUT +30"

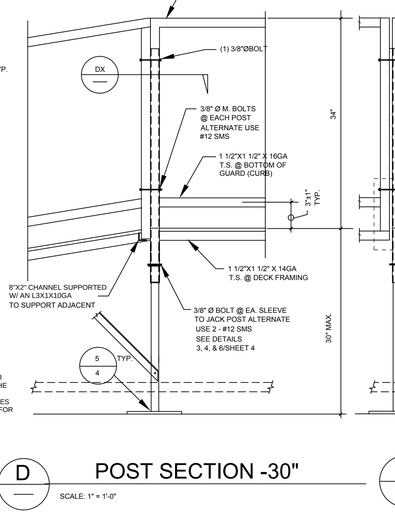
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B

TYPICAL CROSS SECTIONS -30"

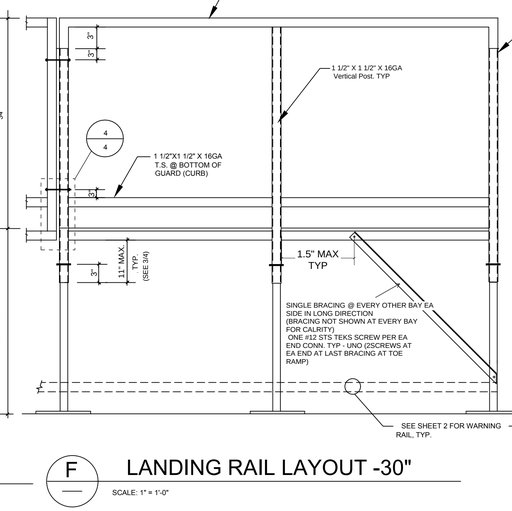
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D

POST SECTION -30"

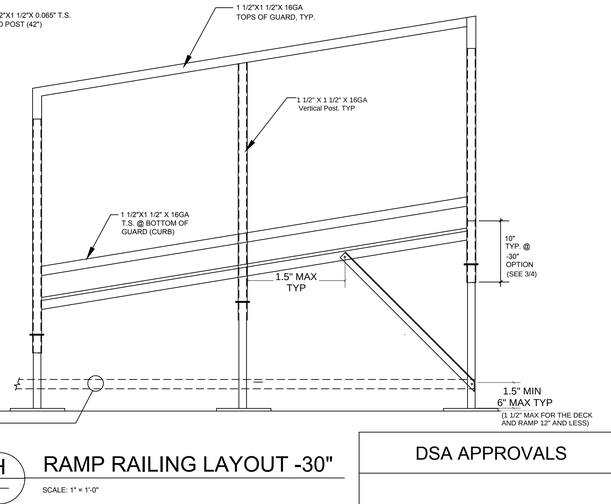
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F

LANDING RAIL LAYOUT -30"

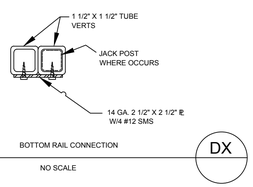
SCALE: 1" = 1'-0"



H

RAMP RAILING LAYOUT -30"

SCALE: 1" = 1'-0"



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ACCESSIBLE RAMP
DETAILS & NOTES

TMP SERVICES
2929 KANSAS AVE.
RIVERSIDE, CA 92507
PHONE: (951)213-3900
FAX: (951)213 3997

SITE:

STATE OF CAL -2022 CBC

PC

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CHECKED

DATE
02 AUG 2023

SCALE

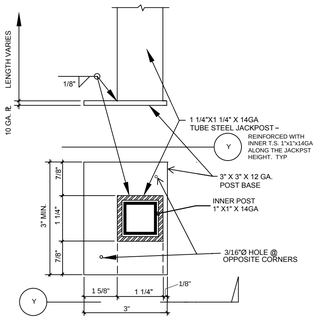
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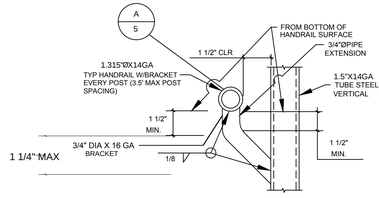
3 OF 16 SHEETS

TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
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SAN DIEGO, CA 92128
PHONE:(858) 444-3344
WWW.RSTAVARES.COM

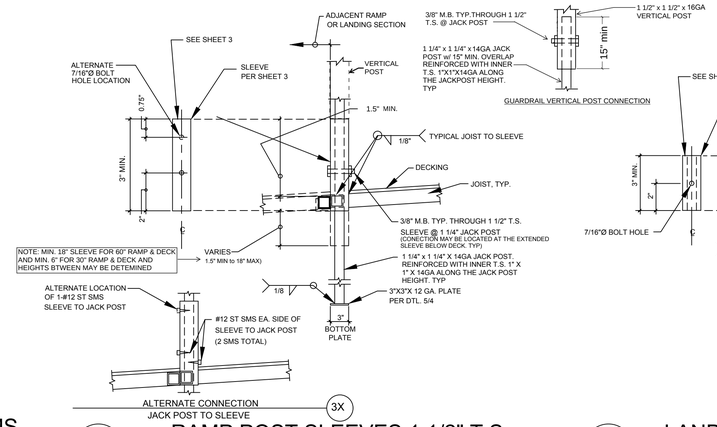
TMP DSA RAMP & LANDING STEEL SHEET 3.DWG



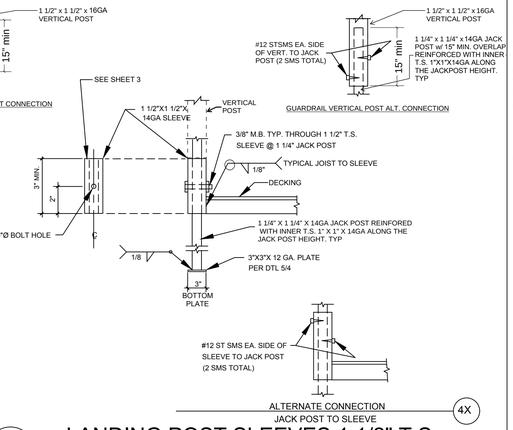
POST BASE AT ADJACENT POSTS



2/4 TYPICAL HANDRAIL ARMS



3/4 RAMP POST SLEEVES 1 1/2" T.S.



4/4 LANDING POST SLEEVES 1 1/2" T.S.

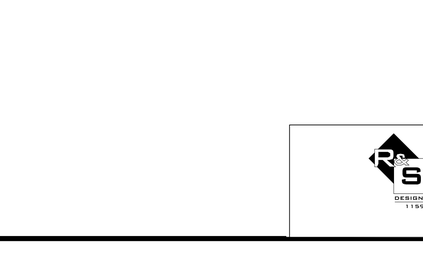
5/4 POST BASE

6/4 MID SPAN POST

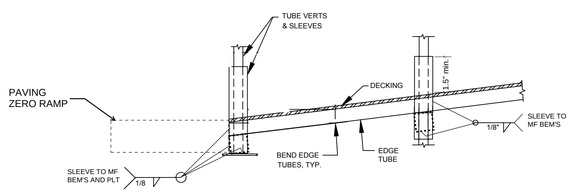
NOTE: USE 1 1/2"X1 1/2"X 14GA SLEEVE AND 1 1/4"X1 1/4"X 14GA JACK POST @ ABOVE 30" OPTION

7/4 LANDING TO BUILDING

NOTE: DECK SECTIONS ARE FREE STANDING FOR VERTICAL LOADS.

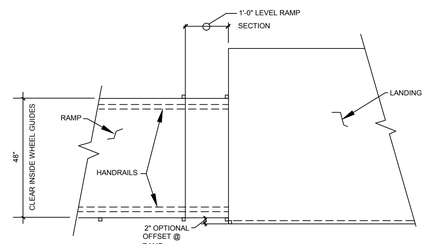


8/4 CONNECTION @ HANDRAIL EXTENSION DETAIL



10/4 TOE @ END OF RAMP

NO SCALE



11/4 NO SCALE

NOTES:

CODES:
2022 CALIFORNIA BUILDING CODE (CBC)

DESIGN LOADS:
LIVE LOAD: 100 PSF
WIND LOAD: SEE SHEET 1
SEISMIC: SEE SHEET 1
HANDRAIL & GUARD RAIL LOADS:
50#/FT
200# POINT LOAD

MATERIAL SPECIFICATIONS:
STEEL: ALL TUBE STEEL ASTM A572 GRADE 65 (Fy = 65 KS1) OR SIMILAR/BETTER
ALL ROUND TUBE STEEL TO BE ASTM A500 ROUND GRADE C (FY=46KSI) OR SIMILAR/BETTER
ALL SHEET, ANGLES, PLATE ETC. TO BE A1011SS GRADE 40
ALL STEEL TO BE COATED WITH A RUST INHIBITIVE COATING
BOLTS: ASTM A307 COMMON BOLTS HOT DIPPED GALVANIZED W/ STAINLESS STEEL WASHERS
PLYWOOD OPTION: APA RATED STRUCT I EXTERIOR PLYWOOD
WELDS: ALL WELDING SHALL CONFORM TO "AMERICAN WELDING SOCIETY D-1.1-10-2020 FOR SHEET STEEL.
ELECTRODES SHALL BE E70XX.

GENERAL NOTES:
1) RAMPS HAVING SLOPES STEEPER THAN 1 VERTICAL TO 20 HORIZONTAL SHALL HAVE LANDINGS AT TOP AND BOTTOM AND AT LEAST ONE INTERMEDIATE LANDING SHALL BE PROVIDED FOR EACH 30" OF RISE, PER CBC 11B-405.7.
2) LOCATION OF LANDINGS.
LANDINGS SHALL BE PROVIDED AT TOP AND BOTTOM OF EACH RAMP.
INTERMEDIATE LANDINGS SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 30 INCHES OF VERTICAL RISE AND AT EACH CHANGE OF DIRECTION . LANDINGS ARE NOT CONSIDERED IN DETERMINING THE MAXIMUM HORIZONTAL DISTANCE OF EACH RAMP.

NOTE: EXAMPLES OF RAMP DIMENSIONS ARE:

SLOPE	MAX. RISE (INCHES)	MAX. HORIZONTAL PROJECTION
1:12	30	30'-0"
1:16	30	40'-0"
1:20	30	50'-0"
1:15	30	37'-6"

2. SIZE OF TOP LANDINGS. TOP LANDINGS SHALL NOT BE LESS THAN 60 INCHES WIDE AND SHALL HAVE A LENGTH OF NOT LESS THAN 60 INCHES IN THE DIRECTION OF RAMP RUN, PER CBC 11B-405.7.2 AND .3.

3) DOORS IN ANY POSITION SHALL NOT REDUCE THE MINIMUM DIMENSION OF THE LANDING TO LESS THAN 42" AND SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 3" WHEN FULLY OPENED, CBC 11B-405.7.5.
4) RAMPS SHALL BE CONSTRUCTED AS REQUIRED FOR STAIRWAYS.
5) THE SURFACE OF RAMPS SHALL BE ROUGHED OR SHALL BE OF SLIP-RESISTANT MATERIAL, TYP. FOR LANDINGS & STAIRS.
6) RAMPS REQUIREMENTS SHALL BE PER CBC 11B-405.
7) RAMPS AND STAIRWAYS USED AS EXIT SHALL CONFORM TO CBC SEC. 1009 SEC. 1010, CHAPTER 11B AND 11B-405.5.
8) HANDRAILS AND GUARDRAILS SHALL CONFORM TO CBC 11B-405.8 (RAMP), AND 11B-504 (STAIRS).
9) RAMPS SHALL CONFORM TO CBC 11B-405.
10) STRIKE EDGE EXTENSION THE WIDTH OF THE LANDING SHALL EXTEND 24" PAST THE STRIKE EDGE OF ANY DOOR OR GATE FOR EXTERIOR RAMPS AND 18" PAST THE STRIKE EDGE FOR INTERIOR RAMPS.
11) LANDING WIDTH. AT BOTTOM AND INTERMEDIATE LANDINGS, THE WIDTH SHALL BE AT LEAST THE SAME AS REQUIRED FOR RAMPS, CBC 11B-405.7.4.
12) THE WIDTH OF RAMPS SHALL BE AS REQUIRED PER STAIRWAYS AND EXITS, CBC 11B-405.5.
13) SLOPE RAMPS AND LANDINGS AS REQUIRED TO PREVENT ACCUMULATION OF WATER ON WALKING SURFACES.
14) ALL WORK SHALL CONFORM TO TITLE 24 CALIFORNIA CODE OF REGULATIONS (CCR).
15) CHANGES TO APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1 TITLE 24, CCR.
16) A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4.342 PART 1 TITLE 24 CCR.

IN PLANT: SHOP WELDING INSPECTION
AND MATERIAL VERIFICATION

SITE CONSTRUCTION: CLASS 4

DSA APPROVALS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT
APPLICATION FOR CONSTRUCTION
IS REQUIRED

REGISTERED PROFESSIONAL ENGINEER MANNY B. FRANCO No. S3380 exp. 03/31/24 STRUCTURAL STATE OF CALIFORNIA
02/12/24

DATE SIGNED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122262 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 02/14/2024

DETAILS AND NOTES

TMP SERVICES
2929 KANSAS AVE.
RIVERSIDE, CA 92507
PHONE: (951)213-3900
FAX: (951)213 3997

SITE:

STATE OF CALIFORNIA -2022 CBC
PC

DRAWN
CHECKED
DATE
02 AUG 2023
SCALE
JOB NO.
4 text here

4 OF 16 SHEETS

TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W. BERNARDO COURT, SUITE 105
SAN DIEGO, CA 92128
PHONE:(858) 444-3344
WWW.RSTAVARES.COM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

American Modular Systems

24 X 40 RELOCATABLE CLASSROOMS

TEST AND INSPECTION LIST

TESTING LABORATORY: _____ DATE: _____
NAME: _____
DISTRICT/OWNER: _____
DIVISION–FILE NO. _____ APPLICATION NO. _____
ARCHITECT: _____
STRUCTURAL ENGINEER: _____

STATE OF CALIFORNIA
DEPT. OF GENERAL SERVICES
DIVISION OF THE
STATE ARCHITECT
STRUCTURAL
TESTS
AND
INSPECTIONS
DSA 103–1 (R 11/85)

he following tests and inspections, as checked, will be required ase detailed in

	CON-CRETE	GUNITE	GROUT	MORTAR	
COMPACTED FILL					Test of aggregates for mix design only
Fill material, acceptance tests					Suitability tests of aggregates as detailed below
Compaction control, continuous					Mix designs
Compaction tests only as ordered					Continuous batch plant inspection
Bearing capacity of compacted fill					Inspect placing
REINFORCING STEEL					Sample
Sample and test bar steel					Compressive tests
Sample and test mesh					Pick up samples at job
Inspect placing at job					Samples delivered to laboratory
STRUCTURAL STEEL					Deliver sample forms to laboite
☒ Sample and test as detailed below					Sample and test cement
Shop fabrication inspection					
Field erection inspection					
☒ Inspection of welds – Shop					
Inspection of welds – Field					
Inspection of riveting or bolting – Shop					
Inspection of riveting or bolting – Field					
Sample and test high strength bolts and washers					
BRICK AND BLOCK					
Sample and test					
Test only					
Inspection of placing					
Core drill samples					
GLUED LAMINATED STRUCTURAL LUMBER					
Fabrication inspection					
Sample and test steel accessories					
Inspect fabrication of steel accessories					

SUITABILITY TESTS	CONCRETE MATERIALS	GUNITE	MORTAR	GROUT
Sodium sulphate				
Structural strength				
Los Angeles rattler				
Clay (Hydrometer method)				
Reactivity tests				
Volume change				

MIX DESIGNS: CONCRETE, GROUT, MORTAR OR GUNITE

MATERIAL	MAXIMUM SIZE	COMPRESSIVE STRENGTH, PSI, MINIMUM
		28 DAYS
CONCRETE	1 1/2"	3000

List of structural steel members to be tested:
TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2212.A.1

C7X9.8
C12X20.7
6 3/4"X14 GA. JOISTS
2"x18 ga. STRAPS

Other Tests and Inspections, together with special instructions:
GROUNDING TEST
EXPANSION ANCHORS

Copies of Reports to:
DSA/ORS
AMERICAN MODULAR SYSTEMS, INC.
SCHOOL DISTRICT
ARCHITECT

By: _____
AUTHORIZED REPRESENTATIVE

INDEX

SHEET No.	DESCRIPTION
TS–1	TITLE & BUILDING DATA NOTES
N–1	GENERAL NOTES
1	FLOOR PLAN & NOTES
2	EXTERIOR ELEVATIONS
3	CEILING GRID, DETAILS & NOTES
S1	FOUNDATION PLAN WOOD, DETAILS & NOTES 50#
~~S1A~~	~~FOUNDATION PLAN WOOD, DETAILS & NOTES 125#~~
~~S1B~~	~~FOUNDATION PLAN CONCRETE, DETAILS & NOTE 50#~~
~~S1C~~	~~FOUNDATION PLAN CONCRETE, DETAILS & NOTE 125#S~~
~~S1D~~	~~FOUNDATION BELOW GR. CONCRETE, DETAILS & NOTES 50#~~
~~S1E~~	~~FOUNDATION BELOW GR. CONCRETE, DETAILS & NOTES 125#~~
S2	FLOOR FRAMING PLAN & BUILDING SECTIONS
~~S2A~~	~~FLOOR FRAMING PLAN & BUILDING SECTIONS 125#~~
S2B	BUILDING SECTIONS AND WALL DETAILS
S3	ROOF FRAMING PLAN & DETAILS
S4	FRAMING ELEVATIONS & DETAILS
S5R	RAMP PLAN, ELEVATION & DETAILS
M1	MECHANICAL PLAN, DETAILS & NOTES
E1	ELECTRICAL PLAN, DETAILS & NOTES

BUILDING DATA
CLASSROOMS

OCCUPANCY	E–2
TYPE OF CONSTRUCTION	V – NON–RATED
WIND LOAD (80 MPH EXPOSURE C)	21 LBS/SQ FT
FLOOR LIVE LOAD	50 LBS/SQ FT ~~OR 125 LBS./SQ. FT.~~
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE)
RAMP LIVE LOAD	100 LBS/SQ FT
BUILDING AREA	960 SQ FT

FIRE MARSHAL– CALIFORNIA BUILDING CODE (CBC)
TITLE 24, PART 2, CCR (1994 UBC W/ CAL. AMENDS)
TITLE 24, PART 3, CCR (1993 NEC W/ CAL. AMENDS)
TITLE 24, PART 4, CCR (1994 UMC W/ CAL. AMENDS)
TITLE 24, PART 5, CCR (1994 UPC W/ CAL. AMENDS)
TITLE 24, PART 9, CCR (1994 UFC W/ CAL. AMENDS)
TITLE 24, PART 12, CCR (1994 STD. W/ CAL. AMENDS)
TITLE 19

STRUCTURAL – 1995 CALIFORNIA BUILDING CODE (CBC)
TITLES 24 PARTS 1 AND 2

MODULES	MOMENT–RESISTANT
SYSTEM	(2) 12' X 40' MODULES
FOUNDATION	PRESSURE TREATED WOOD OR CONCRETE
SEISMIC	ZONE 4

REGISTERED PROFESSIONAL ENGINEER
DAVID O. SCHLUETER
3-31-07
No. 2569
STRUCTURAL
STATE OF CALIFORNIA

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. NO. 328
AC Void FLS Void SS 02
DATE 4/9/97

DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APP. 89156
AC FLS
DATE AUG 15 1997

3" STANDING SEAM ROOF

JOB NO.
DATE: APRIL 8,1997
SHEET NUMBER
TS–1
BINDING ORDER 1

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A GENERAL REQUIREMENTS

1. GENERAL

A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.

B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.

C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.

2. SCOPE OF WORK

A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE,MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.

B. ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:

1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING,MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
5. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
6. CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
13. THE MANUFACTURER OF BUILDING IS TO PLACE A PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME AND VISIBLE FROM THE EXTERIOR OF THE END OF THE MODULE. SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE.
FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.
14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALY RECOGNIZED TESTING LABORATORY.

FOUNDATION

1. ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF.
2. FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL, APPROVED COMPACTED FILL OR ON AN APPROVED PAVED SURFACE.

NOTE:THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 23-6, ISSUED BY DIVISION OF THE STATE ARCHITECT FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.

3. WORK NOT INCLUDED

A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.

B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM,INTERCOM SYSTEM,TV,TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.

4. WHEELS AND HITCH
SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

5. ACCESSIBILITY OF SITE
THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES SHRUBS,FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

TRIM/ FINISH NAILING

DESCRIPTION	SET	SIZE	LENGTH	FINISH
SIDING		.131	2 1/4"	GALV
CASING, SILL & INT. CORNER TRIM	X	16g	1 1/4"	N
2X FASCIA		.131	3"	GALV
SOFFIT		.131	2 1/4"	GALV
1X EXT. TRIM, WINDOWS, EXT. DOORS, EXT. TRIM		.113	2"	GALV

SECTION 6 WORKMANSHIP

A. GENERAL - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS,TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.

B. WELDING - ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24,PART 2,CCR, SECTION 2212.A.5 WELDING ELECTRODE SHALL BE E70XX.
1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 & A-570 GR.36.
2. PIPE COLUMNS SHALL COMFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.
3. STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A579 GRADE 50 FOR GAUGE TUBING-TYP. U.N.O.
4. STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.

C. ERECTION - STRUCTURAL STEEL ERECTED TRUE,STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.

D. NAILS,BOLTS, SCREWS AND NUTS ETC.- FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
1. BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARRIAGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PILOT HOLE AND REAM MIN. 1/16" TO CORRECT SIZE. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER EXCEPT AT SIMPSON MTT28B.

E. HANDRAILS - FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.

F. SHOP PAINT
1. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
2. NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.PRIME ALL EXPOSED STEEL SURFACES AFTER FIELD WELDING.

G. TESTS
1. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER T-24 PART 2,CCR SECTION 2212.A.1.

SECTION 6A CARPENTRY

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL CARPENTRY

2. MATERIALS
LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 17 OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER,3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.L.I.B.. PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-95 FOR SOFTWOOD PLYWOOD,OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH CBC EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.

A. JOISTS, RAFTERS, PLATES, STUDS-DOUGLAS FIR OR HEM FIR S4S #2 U.N.O. NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.
B. HEADERS,POSTS AND TIMBERS-DOUGLAS FIR S4S #1
C. BLOCKING - DOUG FIR #3,OR HEM FIR #3,OR STD. & BET.
D. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE,MASONRY OR EARTH, DOUG FIR #2 PRESSURE TREATED IN ACCORDANCE WITH CBC 1811.7. EACH PIECE SHALL BEAR AWPB STAMP. LP-22 GROUND CONTACT,D.F.#2 ABOVE GROUND.
E. PLYWOOD ROOF DECKING - NOT USED.
F. PLYWOOD FLOOR DECKING - APA STURD-I-FLOOR 2-4-1 OR UNI-FLOOR BY PITTSBURGH TESTING LAB, 1-1/8" NOM. TONGUE AND GROOVE FLOOR SHEATHING, WITH EXTERIOR GLUE.
G. EXTERIOR SIDING/SHEATHING - APA TYPE 303,EXTERIOR.
H. MOISTURE BARRIER - KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, UBC STANDARD 14-1 FOR KRAFT, 15-1 FOR FELT.
J. STUDS - DOUG FIR #2. OR HEM FIR. #2.
K. FASTENERS - ALL NAILS SHALL BE CORROSION RESISTANT PER UBC STANDARD 25-17. ELECTROGALVANIZED COMMON NAILS U.N.O.
L. BUILDING TRIM - 2X RESAWN SELECT D.F.,H.F.,OR CEDAR
M. DOOR/WINDOW TRIM - 1X4 REWAWN D.F.,H.F.,OR CEDAR.
N. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
O. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 708.
P. ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.
Q. FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".

3. WORKMANSHIP

A. FRAMING - SECURELY NAILED,BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBELED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
B. NAILING - IN ACCORDANCE WITH TITLE 24,PART 2, CALIFORNIA CODE OF REGULATIONS,TABLE 23-I-Q
C. EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS,SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
D. MACHINE APPLIED NAILING:
USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.
MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
E. MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.
F. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7B SHEET METAL

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.

2. MATERIALS
A. SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
B. SOLDER - OF STAND,GRADE "A" OF EQUAL PARTSARD BRAND LEAD AND TIN ASTM B32.
C. FLUX - ZINC SATURATED MURIATIC ACID.
D. GUTTERS: 26 GA. G-90 GALV. STEEL.
DOWNSPOUTS: 2"X3" CONVOLUTED 30 GA. G-90 GALV. STEEL.
GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL.
GUTTER CLIPS: 18 GA. G-90 GALV. STEEL

3. WORKMANSHIP
SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7C METAL ROOFING

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 80 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.

2. MATERIALS
A. ROOFING - 3" INCH STANDING SEAM 22-GAUGE G-90 GALV. INTERLOCKING SHEET STL PANELS (G90).

SECTION 7J SEALANT

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIAL AND SERVICES TO SEAL BUILDINGS.

2. MATERIALS
VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.

3. WORKMANSHIP
SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION CONCRETE CONCRETE (IF USED)

1. CONCRETE MORTAR AND RELATED MATERIALS TO CONFORM TO APPLICABLE PROVISIONS OF TITLE 24 EXCEPT AS MODIFED HEREIN.
2. REINFORCEING BARS:ASTM A615 OR ASTM A706 DEFORMED GRADE 40 BILLET STEEL.
3. EXPANSION JOINT FILLER: ASTM D994
4. FORM MATERIALS: SIDE FORMS DOUGLAS FIR, CONSTRUCTION GRADE OR BETTER: OR METAL FORMS.
5. PLACING REINFORCEMENT, PLACING CONCRETE SUFACE FINISHES, CURING AND REMOVAL OF FORMS SHALL BE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF TITLE 24, PART 2.

SECTION 8B HOLLOW METAL DOORS AND FRAMES

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.

2. MATERIALS
A. DOORS - TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY,18 GA. 1 3/4" THICK PER CS242 MIN,REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
B. FRAMES - 16 GA COLD ROLLED,2" FACES, CS242 MIN.3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX,PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.

3. WORKMANSHIP
ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARDP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP,WAVE,BUCKLE OR OTHER DEFECTS AFTER FABRICATION,DOORS AND FRAMES CLEANED THOUROUGHLY,ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

SECTION 8D FINISH HARDWARE

1. SCOPE OF WORK
CONTRACTOR SHALL SUPPLY AND INSTALL FINISH HARDWARE AS SPECIFIED AND AS REQUIRED.

2. SCHEDULE FOR EXTERIOR DOORS
SEE NOTE ON FLOOR PLAN.

3. SPECIAL REQUIREMENTS
A. EXIT DOORS SHALL BE OPENABLE FROM THE INTERIOR WITHOUT KEY OR SPECIAL KNOWLEDGE OR EFFORT.
B. CLOSER SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 8.5 LBS. PRESSURE.

SECTION 9E PAINTING

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.

2. MATERIALS

A. FOR EXTERIOR WOOD:

REF.BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	42-9M	1240	Y24W20	289-N
FINISH	QD-60-XX	1240-XXX	B54WZ102	GE2-NXX

B. FOR INTERIOR TRIM

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
FINISH	W450-XX	1650-XXX	A26W11	40XX

C. FOR METAL

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	43-4	1710	B50NZ6	15N
FINISH	10-XX	1700-XXX	B54WZ102	GE2-NXX

3. WORKMANSHIP
ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.

A. EXTERIOR - WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX - APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
B. INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
C. INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
D. METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
E. RAMP - ONE COAT OF FERROX NON-SKID SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE.
ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-91G-98A DATED JULY 1989. OR EQIAL.
F. SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F SITE ASSEMBLY

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT . UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

2. ASSEMBLY OF ELEMENTS
A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT,(APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

NOTE:

WALL FINISH MATERIAL
FLAME SPREAD MAX = 200
SMOKE DENSITY MAX = 450
BUILDING INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
PIPE INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
DUCT INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 50

SECTION 15A AIR CONDITIONING

1. SCOPE OF WORK (SEE SHEET M-1 FOR HVAC SPEC. AND NOTES)
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.

2. EQUIPMENT
SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.

3. WORKMANSHIP
UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A ELECTRICAL

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS,LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.

2. MATERIALS
ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRICAL CODE AND NATIONAL FIRE PROTECTION ASSOCIATION

A. ELECTRIC METALLIC TUBING - COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX- GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET.
B. PANELBOARDS - FLUSH MOUNTED.
C. CONDUCTORS - COPPER,INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES.MINIMUM SIZE- #14.
D. RECEPTACLES - AS NOTED. +15" A.F.F. MIN.
E. CLOCK RECEPTACLE - AS NOTED.
F. SWITCHES - AS NOTED. +48" A.F.F. MAX.
G. LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.

3. WORKMANSHIP
MATERIALS AND EQUIPMENT INSTALLED IN A SECURE,NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATERTIGHT CONDITION.
BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR(N.I.C.).(FLEXIBLE CONDUIT S-BEND SEALTITE)

INSPECTION

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.

1. IN-PLANT INSPECTION.
2. ON-SITE INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM SSS-6). A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

COORDINATION OF WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT,IF NECESSARY.
THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF AY MODULE.
ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

MATERIALS AND WORKMANSHIP

ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED,UNLESS OTHERWISE SPECIFIED,SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE ARCHITECT THAT SUCH IS THE CASE.

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS:

TWO (2) APPROXIMATELY 12' X 40' MODULES DESIGNED SO THAT TWO MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT ENGRAVED) METAL IDENTIFICATION TAG 3"X1 -1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

1. MANUFACTURER'S BUILDING NUMBER.
2. DESIGN WIND LOAD
3. DESIGN ROOF LIVE LOAD
4. D.S.A. APPLICATION NUMBER.

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.) WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.

EACH 12' X 40' MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.

DIMENSIONS

THE BUILDINGS SHALL OCCUPY AN AREA OF 960 SQUARE FEET WITH A TOLERANCE OF MINUS 5 SQUARE FEET. THE BUILDINGS SHALL BE 24' X 40'. ALL BUILDINGS SHALL MEET THE SQUARE FOOTAGE REQUIREMENT. LINEAR DIMENSIONS SHALL BE VERTICAL TRIM FINISH LINE TO VERTICAL TRIM FINISH LINE.

FASCIA AND REQUIRED OVERHANGS ARE NOT INCLUDED IN THE CALCULATION OF THE SQUARE FOOTAGE THE BUILDING OCCUPIES. THE ENTRANCE WALL SHALL HAVE A 5' MINIMUM ROOF OVERHANG. THE REAR WALL SHALL HAVE A MINIMUM 2' OVERHANG. FULL LENGTH GUTTERS AND DOWNSPOUTS SHALL BE FURNISHED ON THE SIDES OF EACH OVERHANG AND EACH ROOF EDGE WHERE DRAINAGE OCCURS. THE INTERIOR HEIGHT,FLOOR TO CEILING SHALL BE 8'-6" U.O.N. THE MODULE SHALL BE CLEAR SPAN TYPE EXCEPT AS PROVIDED FOR IN THE BID SPECIFICATIONS NOTHING SHALL PROTRUDE MORE THAN 1" BELOW THE CEILING LEVEL.

ITEMS NOTED AS N.I.C. (NOT IN CONTRACT) OR "BY OTHERS" IS THE RESPONSIBILITY OF THE SCHOOL DISTRICT DEPENDING ON THE AGGREEMENT WITH DISTRICT.

IN THE EVENT OF CONFLICT BETWEEN THESE SPECIFICATIONS AND THE DISTRICT BID SPECIFICATIONS, THE DISTRICT SPECIFICATIONS SHALL PREVAIL.

AUG 15 1997

FILE NO.

STRUCTURAL
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

3" STANDING SEAM ROOF

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:

GENERAL NOTES

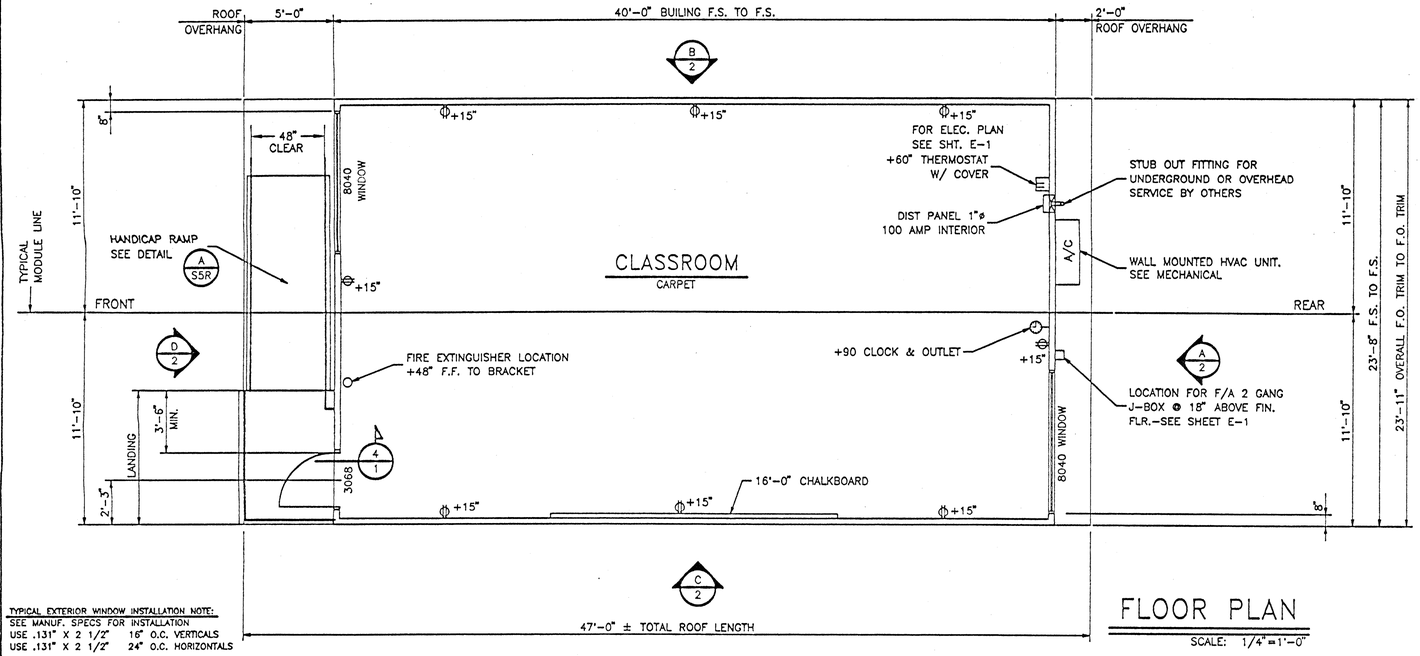
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CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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PROJECT No.

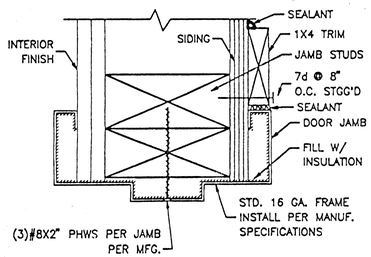
SHEET No.
N-1



FLOOR PLAN

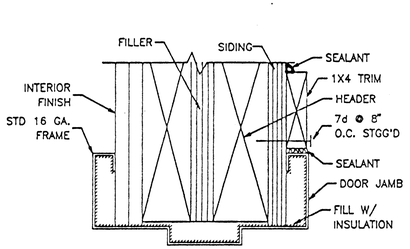
SCALE: 1/4"=1'-0"

TYPICAL EXTERIOR WINDOW INSTALLATION NOTE:
SEE MANUF. SPECS FOR INSTALLATION
USE .131" X 2 1/2" 16" O.C. VERTICALS
USE .131" X 2 1/2" 24" O.C. HORIZONTALS



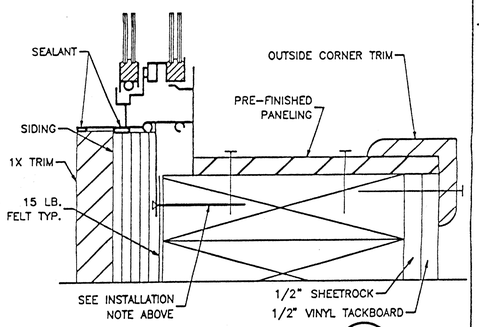
TYPICAL EXTERIOR DOOR JAMB — NO SCALE — 5/1

NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.

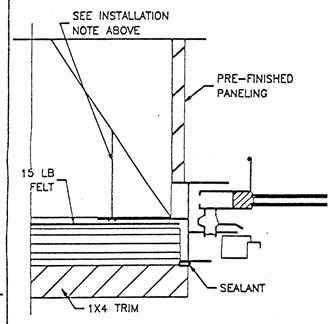


TYPICAL EXTERIOR DOOR HEAD — NO SCALE — 6/1

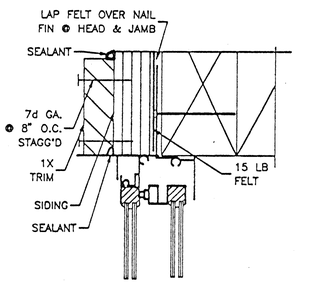
NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.



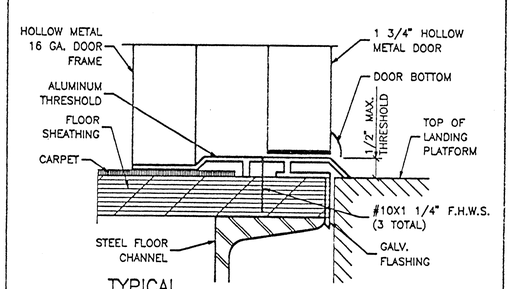
TYPICAL WINDOW SILL DETAIL — NO SCALE — 1/1



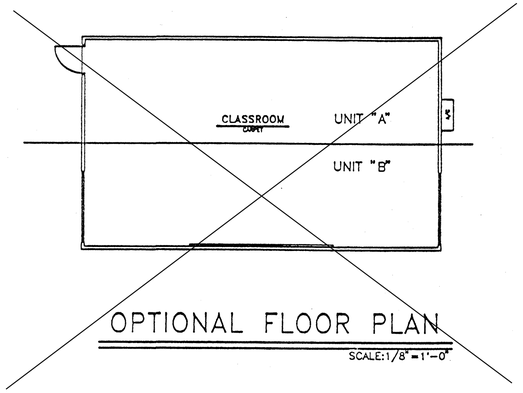
TYPICAL WINDOW JAMB — NO SCALE — 2/1



TYPICAL WINDOW HEAD — NO SCALE — 3/1



TYPICAL EXTERIOR DOOR SILL — NO SCALE — 4/1



OPTIONAL FLOOR PLAN

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

3" STANDING SEAM ROOF

NOTES

INTERIOR

1. Floor: Carpets – Units shall be carpeted as indicated on floor plan with direct glue down type per State of California Specification 7230-XXX-01, Group 1, Type A, Class 26. Color will be selected by District after award of bid. The carpet density shall be 4800 minimum. Pile yarn shall be branded nylon. No cross seams shall be allowed.

2. Base: Resilient Cove Base – Best quality, moulded rubber, 1/8" thick, 4" high, moulded top set corners and preformed end stops where base does not abut. Solid color as manufactured by "Johnsonite Co." Flexco, or equal. Apply cove to complete perimeter of classroom.

3. Interior walls shall be vinyl covered tackboard U.N.O. applied in one continuous length from floor to ceiling. The tackboard shall be industrial insulation board manufactured specifically as a substitute for vinyl covered wall panels. The board shall be asphalt free, shall have an ironed-on coating and shall have a minimum density of 18 lbs. per ft. The vinyl coating shall be made of virgin vinyl calendered base color, weighing a minimum of 8 oz. per square yard. The coating backing shall be sheeting or non-woven fabric. The vinyl coating shall be mechanically laminated, with the long edges wrapped, to the tackboard. Tackboard shall be applied over 1/2" sheetrock or 3/8" plywood sheathing. The vinyl wall covered panel shall have a Class III flame spread rating. The panel shall be approved for classroom use by The California State Fire Marshal. Reference brand: Vinyl covered tackboard as manufactured by Chatfield-Clarks or comparable. Care shall be taken in mounting the tackboard so that the texture of all panels will have the same orientation and color match.

4. Ceiling: Suspend T-Bar System, see sheet 3 for details etc. Materials and installation per CCR 2501.A.5 and IR #47-4 inclusive as applicable to classrooms.

DOORS & WINDOWS

Exterior Doors: Metal Doors – 3'0"X6'8" hollow metal door construction of 1 sheet of 18 ga. steel assembled per CS242 min and reinforced with 20 ga. min. continuous vertical steel stiffeners spaced @ 6" O.C. Fill spaces between stiffeners with mineral wool or other insulation. (Reinforce both faces for closure) provide flush top on doors. Hardware reinforcement shall be 10 ga. min for hinges, door frame shall be 16 ga. pressed steel frame ASTM A366 & C5242. Hardware reinforcement shall be 10 ga. plate. Frames shall be designed with integral stop and trim. Provide (3) anchors per jamb.

Exterior Windows: Provide anodized aluminum frame 5/8" minimum dual pane window units, as shown on floor plans. The 5/8" dimension is the minimum thickness for the dual glazed window panel consisting of two lights of glass and the air space. Glazing material shall be:

Exterior Lite – 3/16" minimum tempered glass or laminated as – 1 glass of solar gray glare reducing type with a light transmission factor of 45% maximum.

Interior Lite – 1/8" minimum clear tempered.

Minimum air space shall be 1/4".

Space – Bent or sealed corner aluminum with desiccant fill

Sealer – Butyl primary seal and polysulfide of silicone secondary seal.

Certification – All glazing to be certified in accordance with ASTM E-773, E-774.

Header height shall be the same as the door. All operable sash shall have aluminum screens. Windows shall not be mounted to the exterior plywood surface. All windows shall meet the AAMA GS101-88 voluntary spec. For aluminum prime windows and sliding glass (ANSI), commercial grade.

HARDWARE

1. Exterior Door
   A) Hinges: HAGER 4-1/2X4-1/2 butts, BB1279 US26D,1-1/2 pair each door with set screw in barrel and ball bearing design, or approved equal.
   B) Lockset: Classroom lever handle lockset, mortise or cylindrical type, Schlage D70PD (Rodes) or equal. US26D finish.
   C) Closer: Norton 8500DA or 8500BF series, LCN 1460 Del series or equal.
   D) Weatherstripping: All exterior doors shall be weatherstripped with Pemko 299D, Ultra WS007, at door jambs and head or equal.
   E) Threshold: Threshold shall be Pemko 271 AV 5" aluminum with Pemko 216 AV Ultra TH042 door bottom.
   F) Doorstop: Quality #44, or equal.

FIRE EXTINGUISHER

1. Each portable classroom shall be equipped with pressure type fire extinguishers with 2A10BC UL rating. To be mounted on the interior wall of the building near the doorway(s) at a height of 4 feet to mounting bracket. Fire extinguishers shall be totally charged and have a dial indicating the state of charge.

CHALKBOARD SPECIFICATIONS

Chalkboards(standard) shall have green facing sheet. Markerboards(extra cost option) Markerboards shall be 5 mil thick melamine facing sheet suitable to accept dry erase felt markers. The facing sheet shall be laminated, using hot melt adhesive, to a medium density particleboard substrate with a minimum density of 45#/c. ft. The panel shall have a foil backing. The panels shall have extruded aluminum molding and chalkrail with a minimum of 2-15/16" projection from the face of the panel. A full length map rail shall be provided with cork insert and end stops. The map rail and chalkrail are to incorporate a channel to wrap around the panel. Three (3) map hooks, with clips, personel shall be provided. One flag holder, 1/2" size, shall be provided for each classroom. Each classroom shall be 2 ea. 4x8 panels installed side by side to make a 4x16 panel, centered on one of the long walls. Referenced brand: Chatfield-Clarke Co. series 500. Attach directly to studs and blocking W/#8x3" oval head wood screw @ 32" o.c. horizontally and @ 24" o.c. vertically.

AUG 15 [illegible]

REGISTERED PROFESSIONAL ENGINEER No. 2559 STRUCTURAL STATE OF CALIFORNIA

FILE NO.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems.

CUSTOMER:

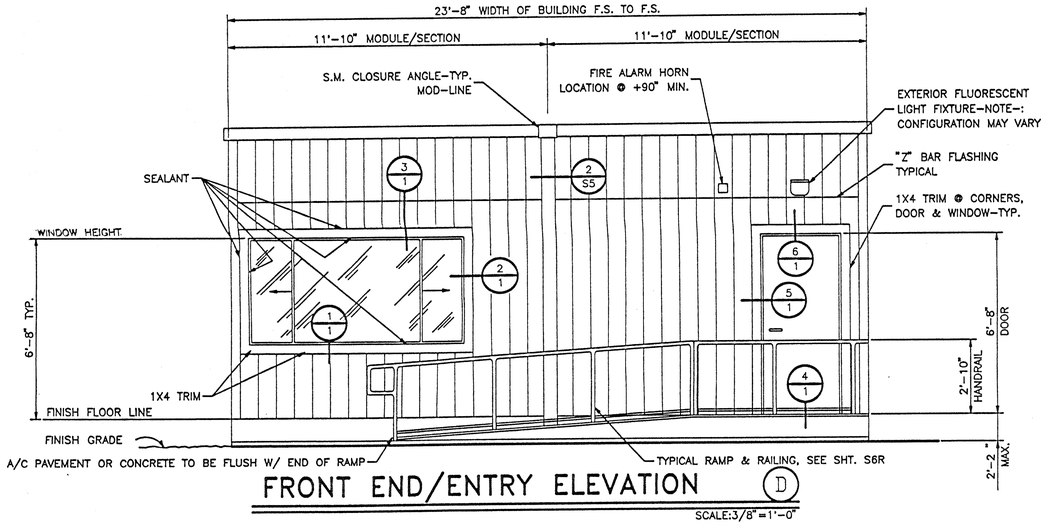
DATE: 4-8-97
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

FLOOR PLAN & NOTES

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

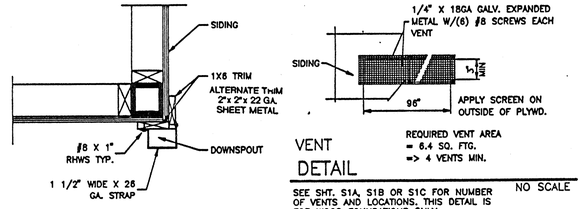
PROJECT No.

SHEET No. 1



FRONT END/ENTRY ELEVATION (D)

SCALE:3/8"=1'-0"



DOWNSPOUT DETAIL 3/2

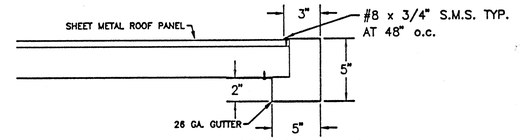
1 1/2"=1'-0"

VENT DETAIL

REQUIRED VENT AREA = 6.4 SQ. FTG. => 4 VENTS MIN.

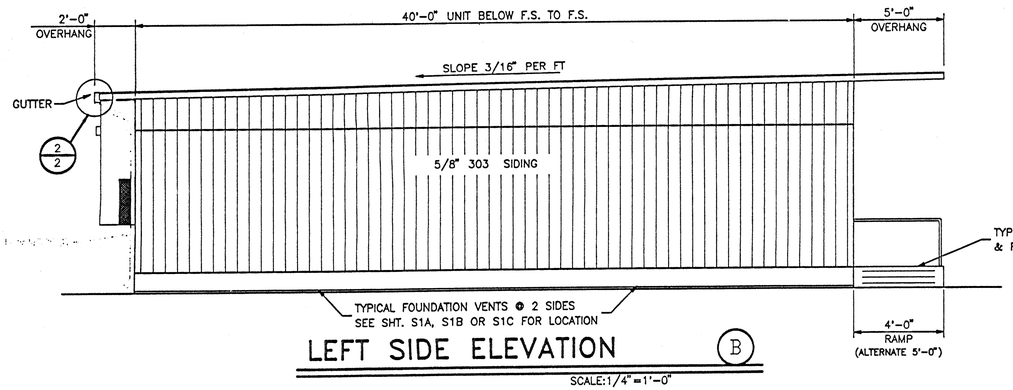
SEE SHT. S1A, S1B OR S1C FOR NUMBER OF VENTS AND LOCATIONS. THIS DETAIL IS FOR WOOD FOUNDATIONS ONLY.

NO SCALE



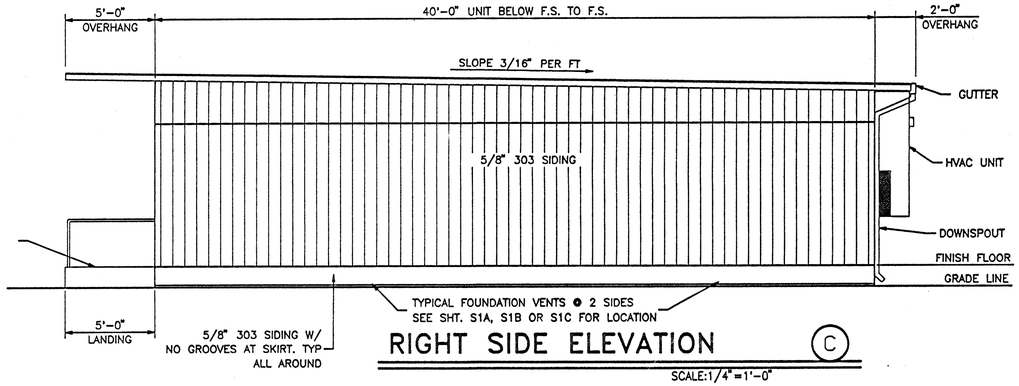
GUTTER: 26 GA., G-90 GALV. STEEL, FASTENED W/ #8 x 3/4" S.M.S. @ 48" O.C. MAX.
DOWNSPOUT: 2"X3" G-90 30 GA. CONVOLUTED GALV. STEEL.
DOWNSPOUT STRAPS: 26 GA. STEEL X 1 1/2" WIDE ATTACHED TO BLDG. MAX. 6'-0" O.C.

GUTTER AT OVERHANG DETAIL 2/2



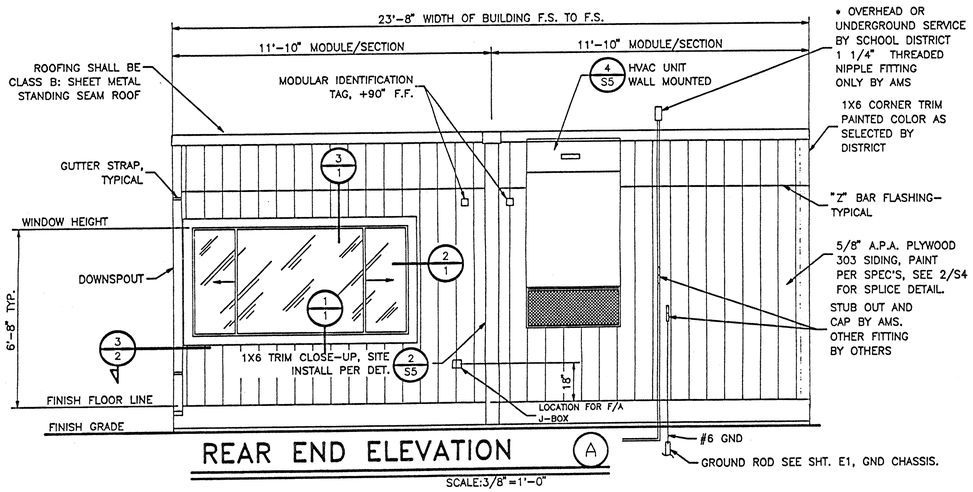
LEFT SIDE ELEVATION (B)

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



RIGHT SIDE ELEVATION (C)

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



REAR END ELEVATION (A)

SCALE:3/8"=1'-0"

DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APPROVED
AUG 5 1997
FLS SS

REGISTERED PROFESSIONAL ENGINEER DAVID O. SCHLUETER 3-31-08 No. 2569 STRUCTURAL STATE OF CALIFORNIA

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:

EXTERIOR ELEVATIONS

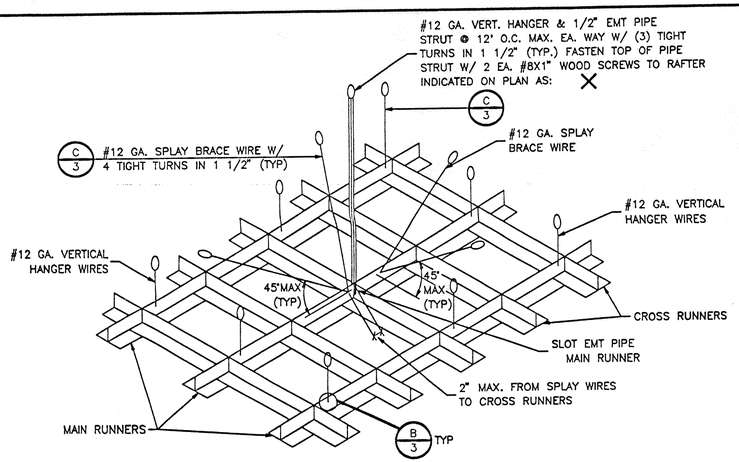
DATE: 4-8-97
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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2			5		
3			6		

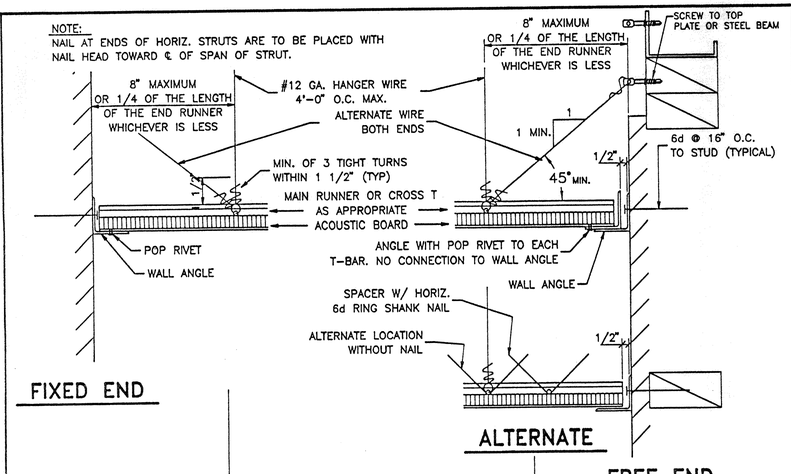
PROJECT No.

SHEET No. 2

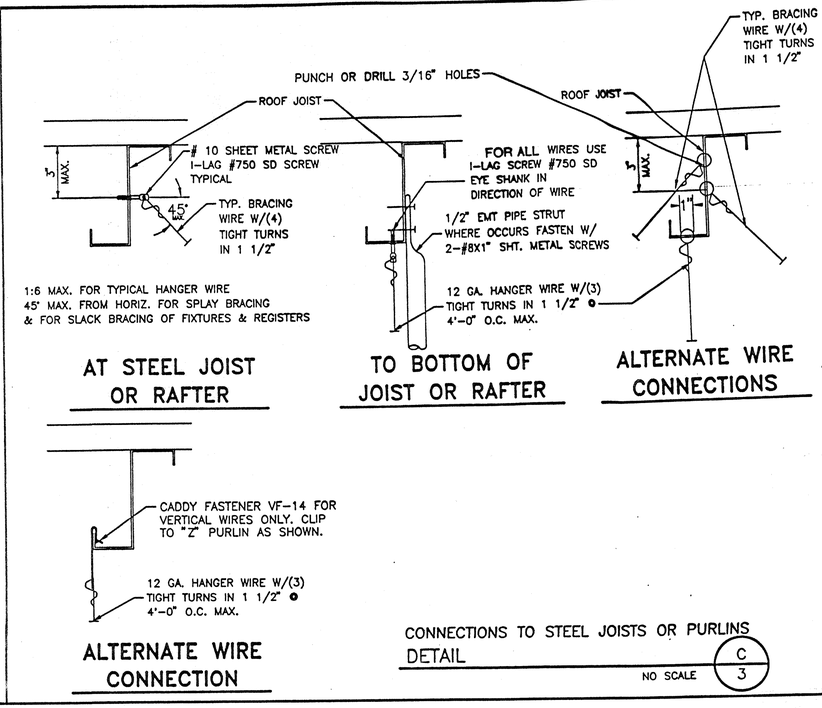


NOTE: SPLAYED BRACING WIRES SHALL BE SPACED NOT MORE THAN 12 FT. ON CENTER.

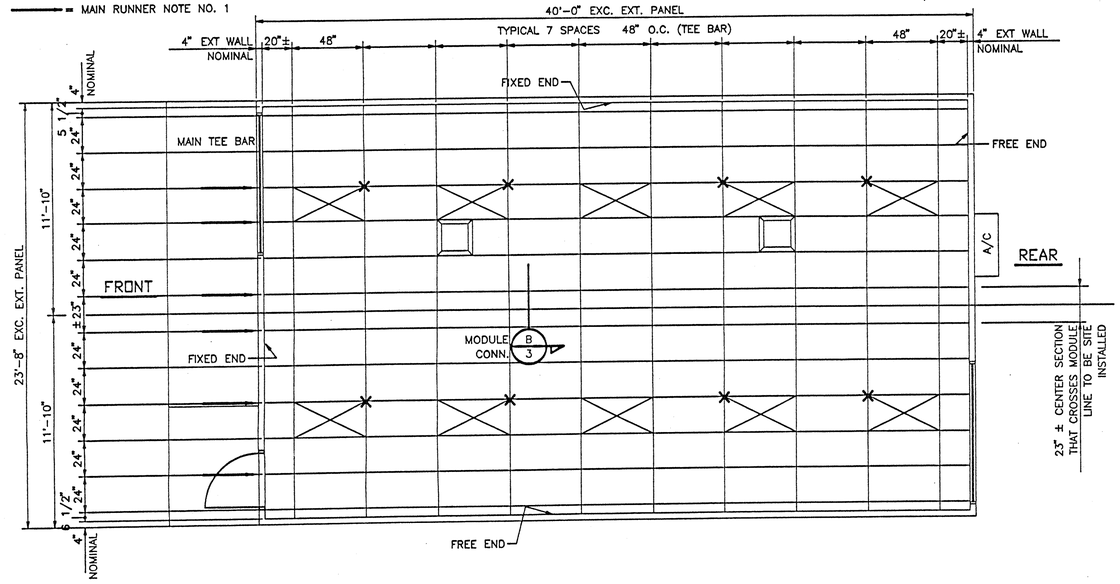
ATTACHMENT FOR CEILING GRID DETAIL — A/3 — NO SCALE



WIRE CONNECTIONS TO GRID DETAILS — B/3 — NO SCALE



CONNECTIONS TO STEEL JOISTS OR PURLINS DETAIL — C/3 — NO SCALE



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES

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

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

1. 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0 GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA/ORS.
2. PROVIDE 12 GA HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.
3. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREA. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED WIRES.
4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM BE FREE AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.
5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
6. PROVIDE SETS OF 4-#12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
   (A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
   (B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS

THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. Ssplices IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA/ORS APPROVAL.

7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
8. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC., IT IS ACCEPTABLE TO ATTACH LIGHT-WEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO DSA/ORS.
9. ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
10. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
11. CLASSIFICATION OF CEILING GRID:
    CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" PER ASTM C635
    MANUFACTURER'S CATALOG NUMBER - MAIN RUNNER HEAVY DUTY MAIN TEE OR EQUAL PER TABLE A.
    MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER PER TABLE A.

    MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPLICE N/A.
    ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS 1, 24" X 48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

TABLE A HEAVY DUTY GRID COMPONENTS

MANUFACTURER	MAIN TEE	H.D. 4' CROSS TEE	H.D. 2' CROSS TEE
DONN/USG	DX-26	DX-424	DX-216
ARMSTRONG	7301	7341	7323
CHICAGO MET.	200-01	1204-01	1226-01

NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC: A
REVIEWED FOR SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

REGISTERED PROFESSIONAL ENGINEER DAVID O. SCHLUETER 31-MAR-00 No. 2569 STRUCTURAL STATE OF CALIFORNIA

FILE NO.
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APPL. NO. 328
AC ☑ FLS. ☑ SS ☑
DATE 4/9/97

24 X 40 RELOCATABLE CLASSROOMS

American Modular Systems

CUSTOMER:

CEILING GRID, DETAILS AND NOTES

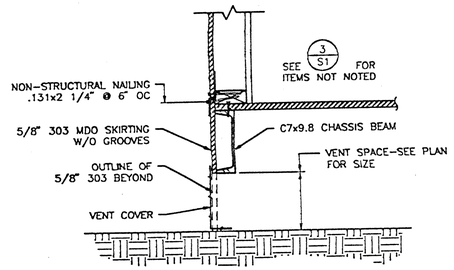
DATE: 4-8-97
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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2			6		
3			7		
4			8		

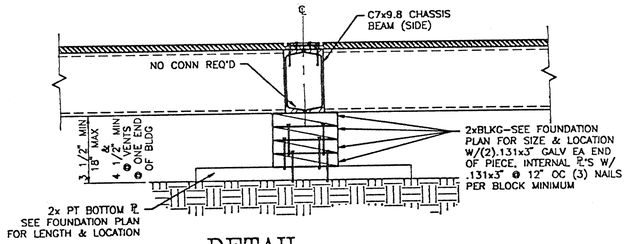
PROJECT No.

SHEET No. 3



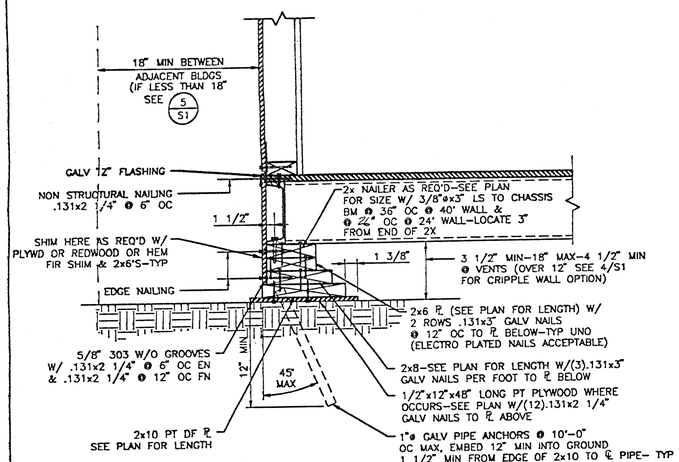
FOUNDATION DETAIL

1 S1 — 1 1/2" = 1'-0"



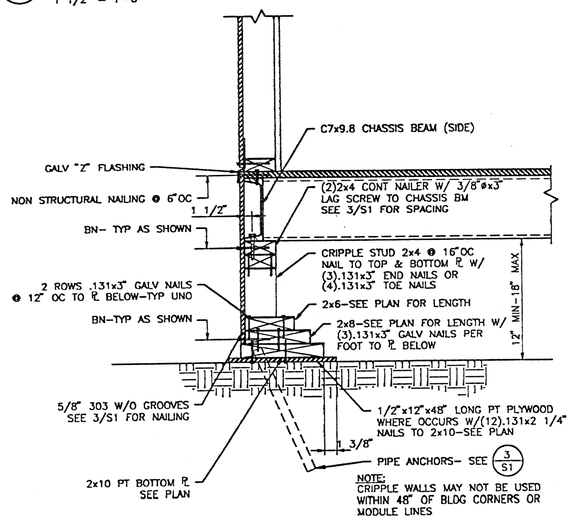
DETAIL

2 S1 — 1 1/2" = 1'-0"



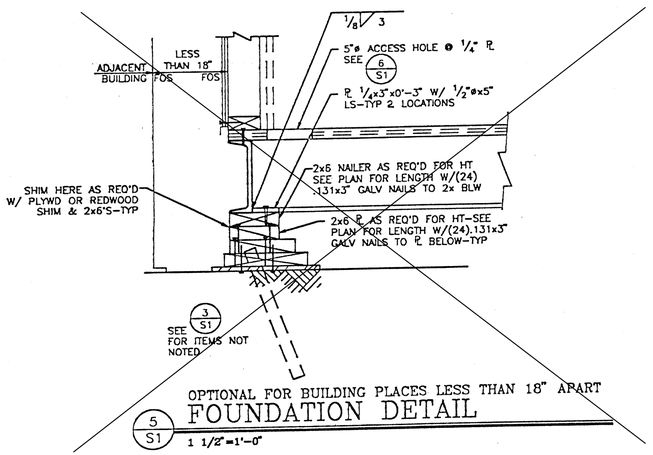
FOUNDATION DETAIL

3 S1 — 1 1/2" = 1'-0"



FOUNDATION DETAIL

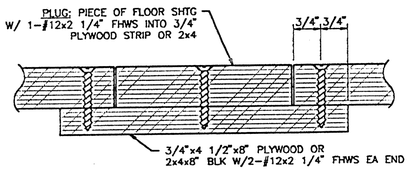
4 S1 — 1 1/2" = 1'-0"



OPTIONAL FOR BUILDING PLACES LESS THAN 18" APART

FOUNDATION DETAIL

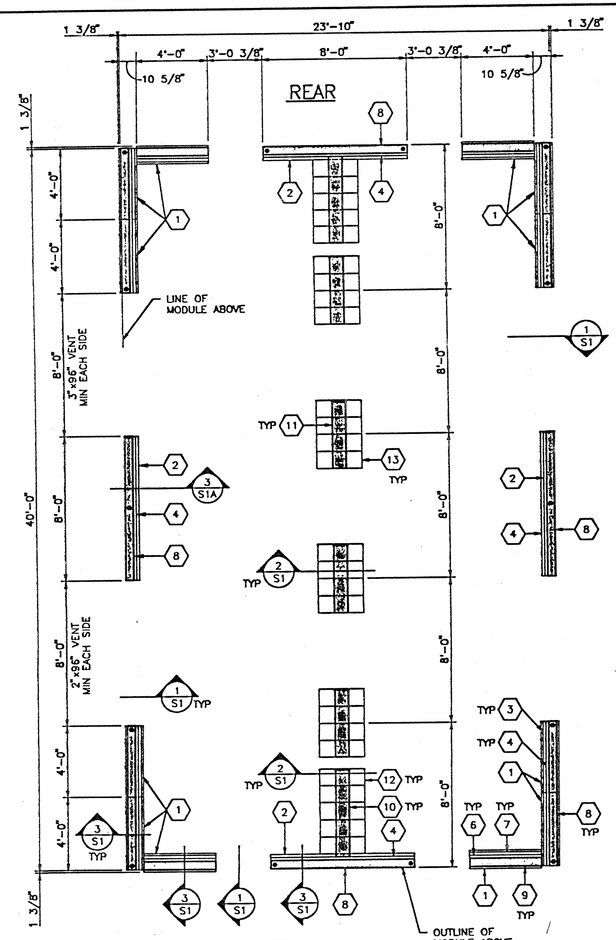
5 S1 — 1 1/2"=1'-0"



FILLER ACCESS HOLE

DETAIL

6 S1 — NO SCALE



LEGEND

1. 1/2"x12" WIDE x 48" LONG PT STRUCTURAL PLYWOOD (CDX PLYWOOD)
2. 2x10x8'-0" LONG PT ℄
3. 2x10x8'-0" LONG ℄
4. 2x8x8'-0" LONG ℄
5. NOT USED
6. 2x8x4'-0" LONG ℄
7. 2x10x4'-0" LONG ℄
8. MULTIPLE 2x6x8'-0" LONG AS REQ'D FOR HEIGHT
9. MULTIPLE 2x6x4'-0" LONG AS REQ'D FOR HEIGHT
10. 2x10 ℄ W/ SHIM, SEE 2/S1
11. 2x10 BLKG. SEE 2/S1
12. (5)2x12x2'-6" OR (6)2x10x2'-6" OR (7)2x8x2'-6", SEE 2/S1
13. (4)2x12x2'-0" OR (5)2x10x2'-0" OR (6)2x8x2'-0", SEE 2/S1

● 1" ø GALV. PIPE LOCATIONS-TYPICAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

REGISTERED PROFESSIONAL ENGINEER DAVID O. SCHLUETER 3 31 00 No. 2569 STRUCTURAL STATE OF CALIFORNIA

NOTES:

1. TOP OF WOOD PADS TO BE LEVEL.
2. DO NOT INSTALL BUILDINGS IN AREAS OF WATER LINES.
3. SITE TO BE GRADED TO PREVENT WATER PONDING BENEATH THE STRUCTURE.
4. FOUNDATION PLYWOOD TO BE CUT PERPENDICULAR TO THE FACE GRAIN.
5. VENT AREA REQUIRED = (3625 / 1000) = 6.4 SF
   VENT AREA PROVIDED = 6.67 SF
6. PER THE CONTRACT OF THIS PROJECT-THE BUILDING PAD ~~MUST BE A MINIMUM OF 30'x50' AND~~ SHALL NOT EXCEED 6" OUT OF LEVEL IN ANY DIRECTION.

SILL RESTRAINT:

ON SOIL: 1"ø GALV PIPE W/ 12" MIN PENETRATION BELOW SOIL SURFACE @ 10'-0" OC. DRILL SILL 1 1/4" MAX. PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.

ON A/C PAVING: 1"ø GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 10'-0" OC. DRILL SILL 1 1/4" MAX OR 20d NAILS THRU SILL ℄ @ 32" OC

ON CONC PAVING: HILTI DS 82-P10 THRU SILL ℄ @ 4'-0" OC.

FOUNDATION PLAN

A S1 — 1/4" = 1'-0"

IDENTIFICATION STAMP
ON OF THE STATE ARCHITECT
Office of Regulation Services
PC 120
SS FLS 36 ACS
DATE 4/9/97

NOTE: PSR THE CONTACT FOR THIS PROJECT THE BUILDING ~~PAD MUST BE 30' x 50'~~. THE PAD SHALL ~~NOT BE~~ MORE THAN 6" OUT OF LEVEL IN ANY DIRECTION.

FOUNDATIONS:

ALL FOUNDATION MATERIALS IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED EXCEPT SHIMS MAY BE REDWOOD, HEM FIR OR CEDAR. PRESSURE TREATED DOUGLAS FIR, HEM FIR, PLYWOOD ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING: "THE MATERIAL IN THIS UNIT WAS TREATED PER 1995 CALIFORNIA BUILDING CODE. ALL MATERIAL FOR USE IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT" (LP22). ALL MATERIAL NOT USED IN GROUND CONTACT SHALL BE H.F.#2 OR D.F.#2 FOR ABOVE GROUND USE. THE IN-PLANT INSPECTOR SHALL VERIFY THAT ALL PRESSURE TREATED FOUNDATION MATERIAL IS CUT FROM AWPB STAMPED STOCK AND THAT ALL CUTS AND HOLES ARE RETREATED PER SPECIFICATIONS. LP-2 AND LP-22 MATERIAL SHALL BE BANDED SEPARATELY FOR SHIPMENT TO THE JOB SITE. THE IN-PLANT INSPECTOR'S VERIFICATION OF EACH BANDED UNIT SHALL BE ATTACHED TO THE MATERIAL.
CONCRETE OR CONCRETE BLOCK FOUNDATIONS ARE NOT ALLOWED. THE FOOTING DESIGN SHALL PROVIDE FOR SHIMS AND BLOCKS NECESSARY TO PERMIT INSTALLATION ON SITES NOT LEVEL, BUT WITHIN TOLERANCE ALLOWED.
INSTALLATION SHALL BE PERMITTED ON EITHER SOIL, CONCRETE OR A/C PAVING, HAVING SUITABLE DESIGN BEARING CAPACITY, THE BUILDINGS SHALL BE SECURELY FASTENED TO THE FOUNDATIONS. THE FOUNDATIONS AND THE METHOD OF FASTENING SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND DSA. PADS SHALL BE DESIGNED FOR A MAXIMUM OF 1000 PSF LOAD ON THE SOIL. PADS SHALL NOT BE PLACED ON TURF.

WOOD: 50 PSF FLOOR LIVE LOAD

24 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER DAVID A. ROLTON No. 28837 Exp. 8/99 STRUCTURAL STATE OF CALIFORNIA

CUSTOMER:

FOUNDATION PLAN, NOTES, SECTIONS AND DETAILS
WOOD FOUNDATION; 50 PSF

DATE: MARCH 3, 1997
SCALE: AS NOTED
DRAWN BY: KDT
DESIGNED BY: MDB
CHECKED BY: BJR
SERIAL NO.

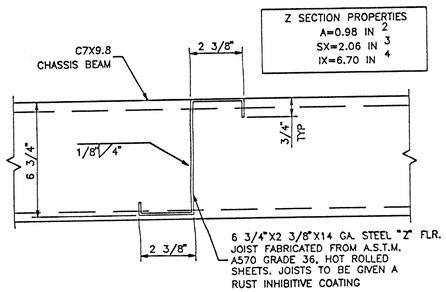
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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3			6		

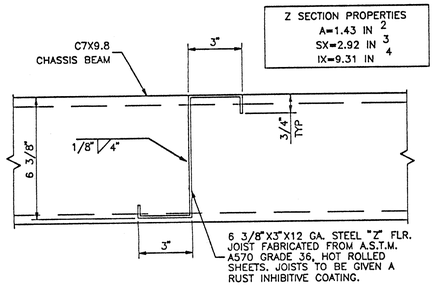
PROJECT No. 97023

SHEET No. S1

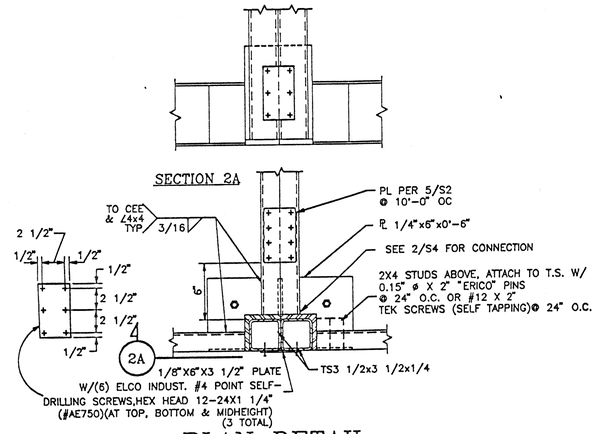
K:\97023\ACAD\STRU\S1 2-10-97 2:33:20 pm EST



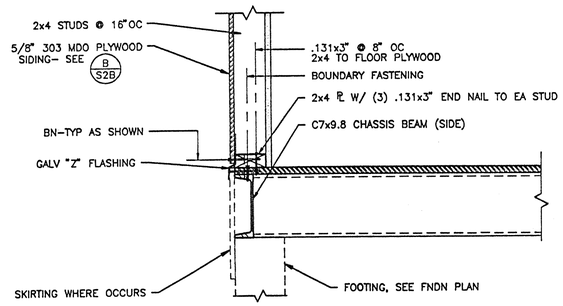
1/S2 DETAIL
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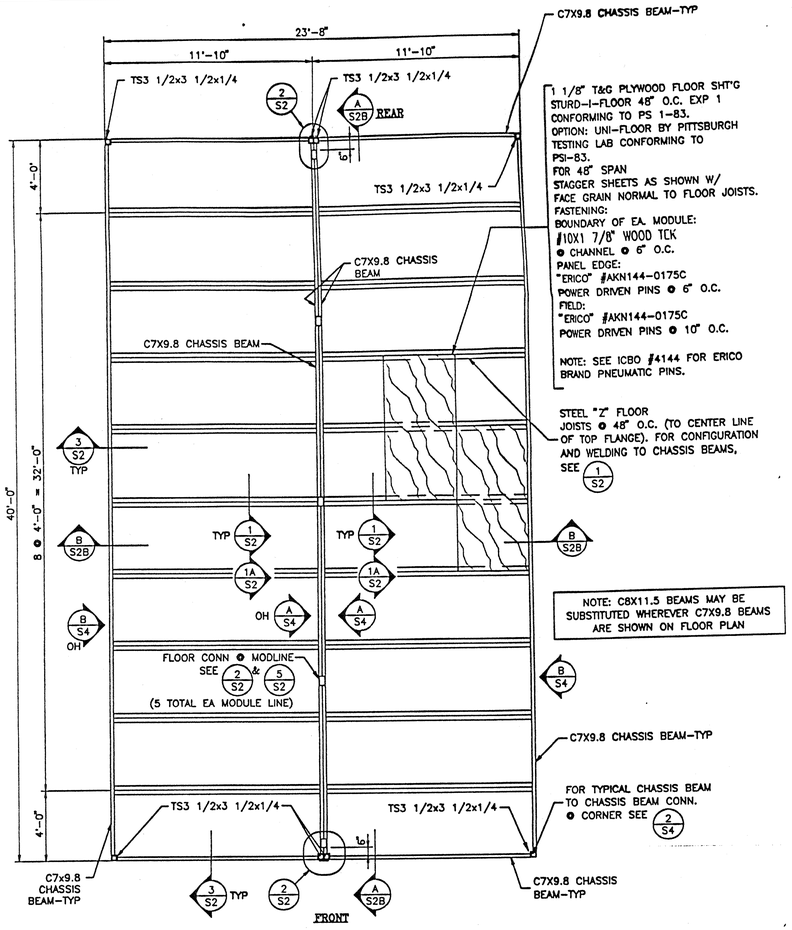
1A/S2 DETAIL
NO SCALE



2/S2 PLAN DETAIL
NO SCALE

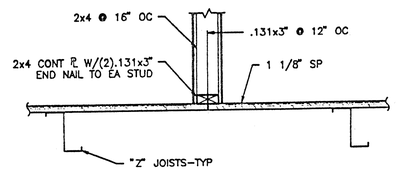


3/S2 DETAIL
1 1/2" = 1'-0"

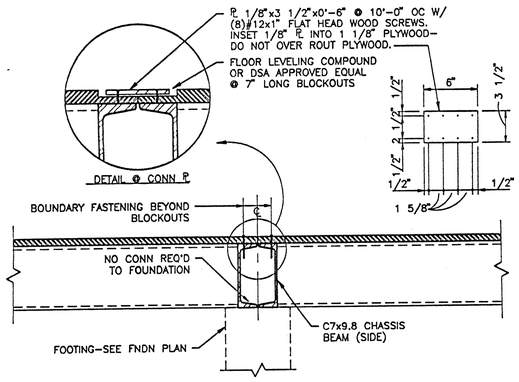


NOTES:
1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.

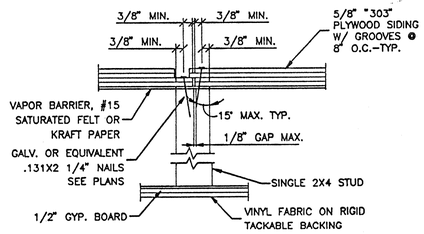
A/S2 FLOOR FRAMING PLAN
1/4" = 1'-0"



TYP INTERIOR NON-BEARING WALL BASE
6/S2 DETAIL
1" = 1'-0"



5/S2 DETAIL
1 1/2" = 1'-0"



TYPICAL SIDING JOINT
4/S2 DETAIL
NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

DEPARTMENT OF GENERAL SERVICES
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPROVED
SS
DATE AUG 15 1997

REGISTERED PROFESSIONAL ENGINEER
DAVID O. SCHLUETER
3.31.00
No. 2569
STRUCTURAL
STATE OF CALIFORNIA

50 PSF FLOOR LIVE LOAD

24 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
BRAD VROLIJK
No. 2837
Exp 9/99
STRUCTURAL
STATE OF CALIFORNIA

CUSTOMER:

FLOOR FRAMING PLAN AND DETAILS
50 PSF FLOOR LOAD

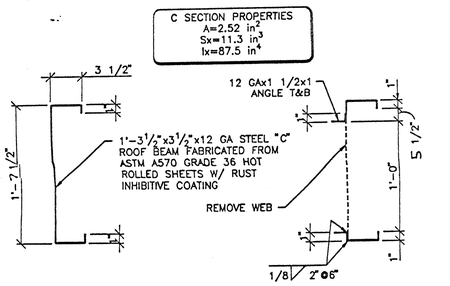
DATE: MARCH 3, 1997
SCALE: AS NOTED
DRAWN BY: KDT
DESIGNED BY: MDB
CHECKED BY: BJR
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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2			5		
3			6		

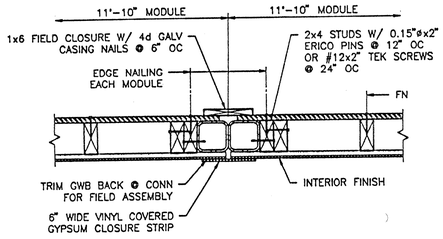
PROJECT No. 97023

SHEET No. S2

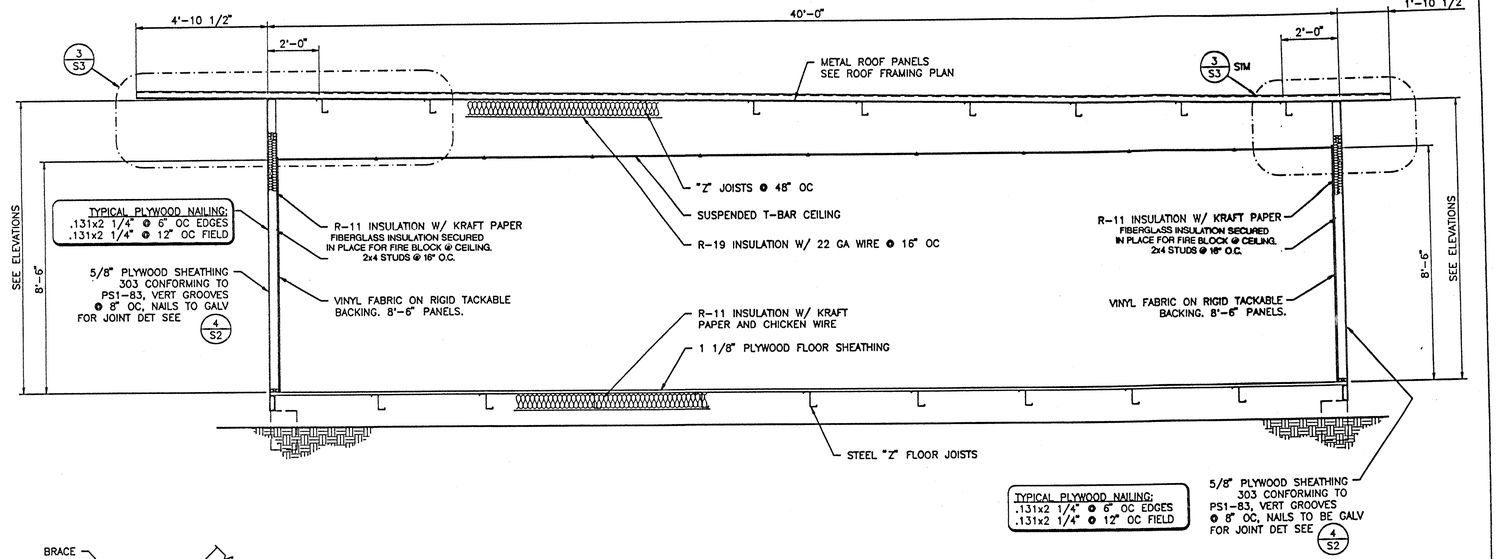
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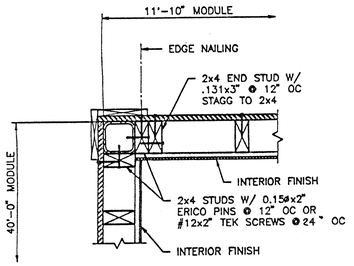
1 S2B DETAIL
1 1/2" = 1'-0"



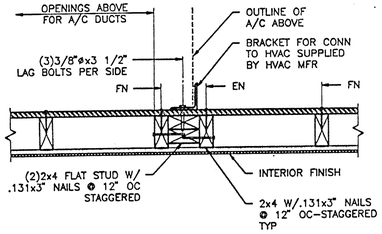
WALL FRAMING
2 S2B PLAN DETAIL
1 1/2" = 1'-0"



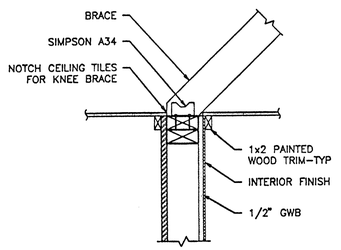
A S2B TYPICAL LONGITUDINAL SECTION
3/8" = 1'-0"



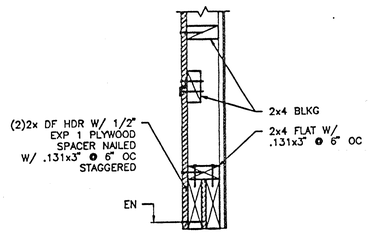
WALL FRAMING
3 S2B PLAN DETAIL
1 1/2" = 1'-0"



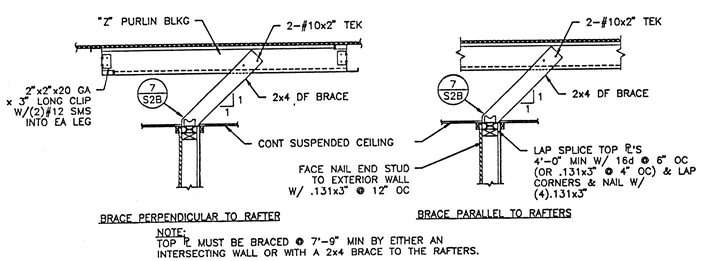
WALL FRAMING
4 S2B PLAN DETAIL
1 1/2" = 1'-0"



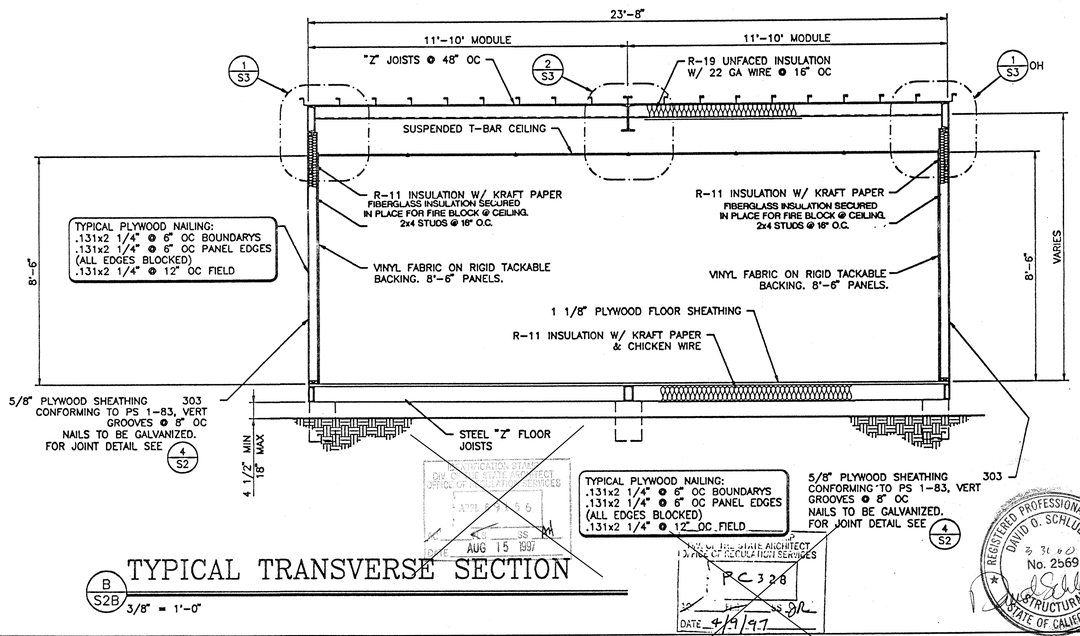
WALL FRAMING
7 S2B DETAIL
1 1/2" = 1'-0"



WALL FRAMING
5 S2B DETAIL
1 1/2" = 1'-0"



WALL FRAMING
6 S2B DETAIL
NO SCALE



B S2B TYPICAL TRANSVERSE SECTION
3/8" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

OFFICE OF THE STATE ARCHITECT
DIVISION OF REGULATION SERVICES
APPROVED
SS FLS
AUG 15 1997
DATE

OFFICE OF THE STATE ARCHITECT
DIVISION OF REGULATION SERVICES
PC 328
DATE 4/9/97

REGISTERED PROFESSIONAL ENGINEER
DAVID O. SCHLUETER
No. 2569
STRUCTURAL
STATE OF CALIFORNIA

24 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
BRAD T. ROUTH
No. 28577
Exp 9/98
STRUCTURAL
STATE OF CALIFORNIA

CUSTOMER:

BUILDING SECTIONS AND WALL DETAILS

DATE: MARCH 3, 1997
SCALE: AS NOTED
DRAWN BY: KDT
DESIGNED BY: MDB
CHECKED BY: BJR
SERIAL NO.

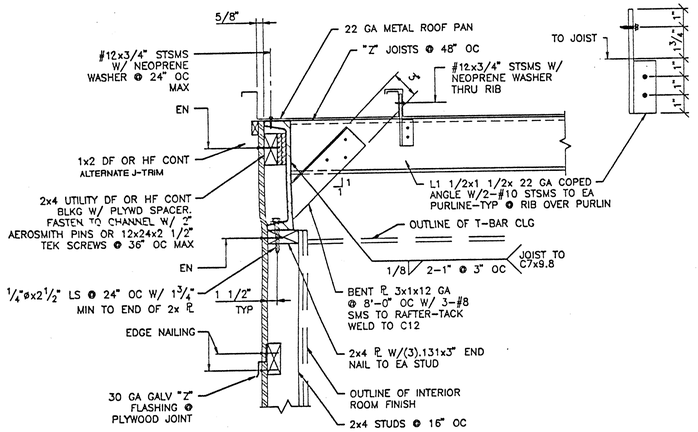
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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2			5		
3			6		

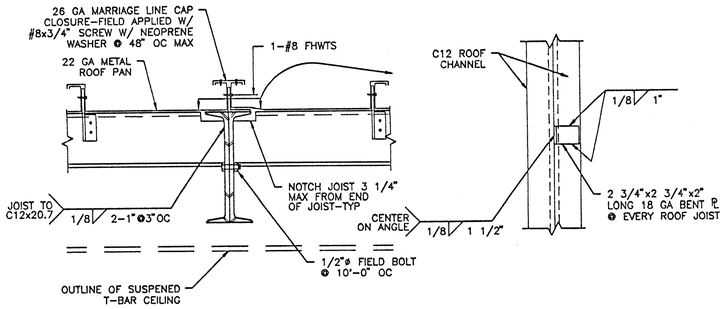
PROJECT No. 97023

SHEET No. S2B

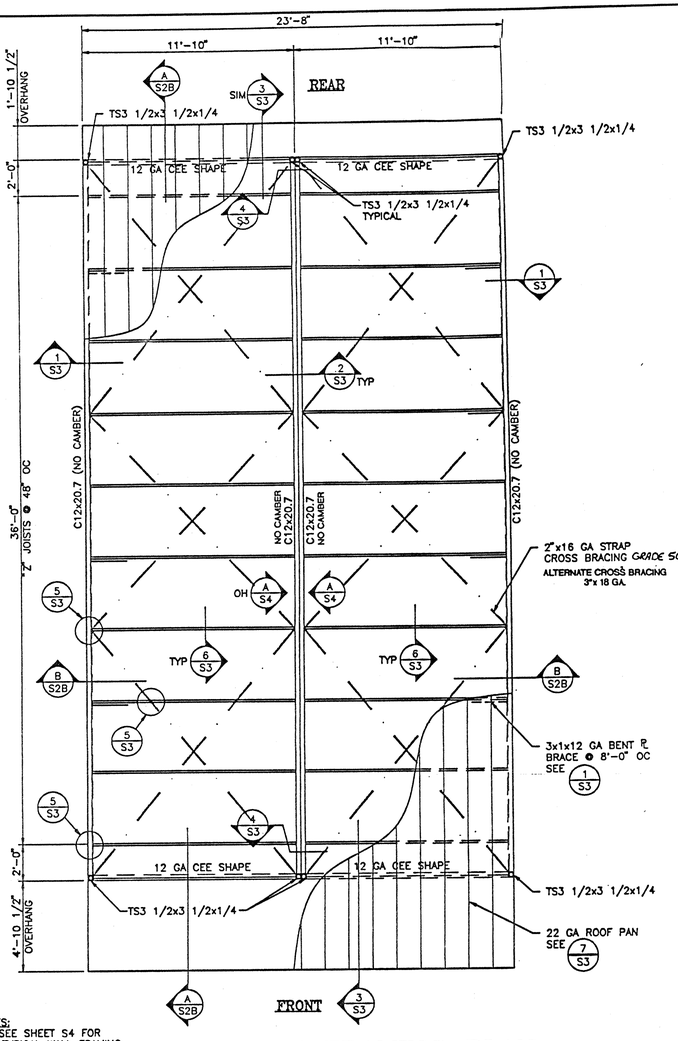
S2B 2-10-97 4:16:49 pm EST



1 S3 DETAIL
NO SCALE

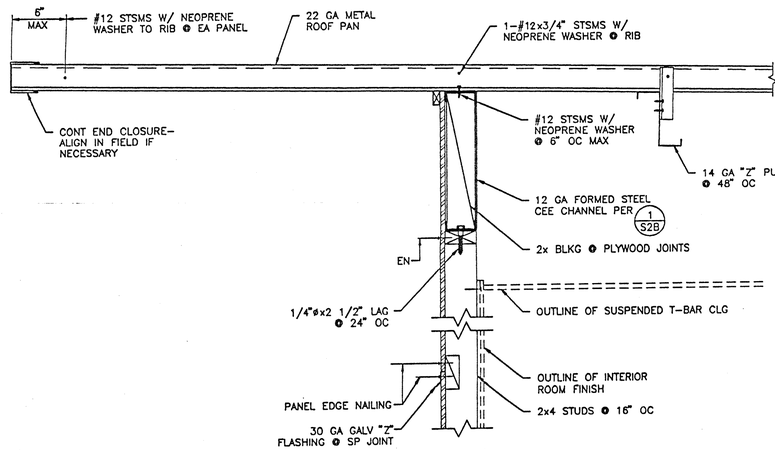


2 S3 DETAIL
NO SCALE



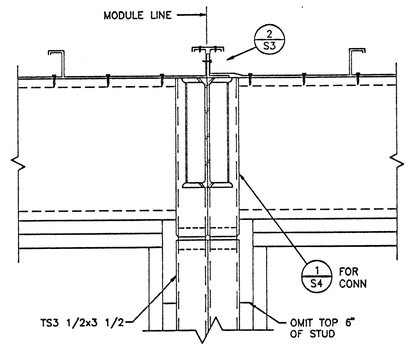
NOTES:
1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.

A S3 ROOF FRAMING PLAN
1/4" = 1'-0"

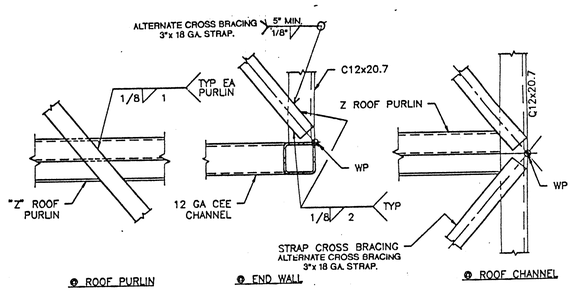


(2'-0" OVERHANG DETAIL SIMILAR)

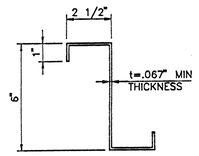
3 S3 5'-0" OVERHANG DETAIL
NO SCALE



4 S3 DETAIL
NO SCALE



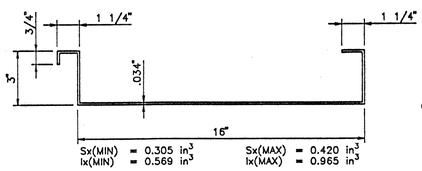
CROSS BRACING
5 S3 DETAIL
1 1/2" = 1'-0"



Sx = 1.607 in³
Ix = 4.944 in⁴

JOIST FABRICATED FROM ASTM A570 GRADE 36, HOT ROLLED SHEETS. JOISTS TO BE GIVEN A RUST INHIBITIVE COATING.

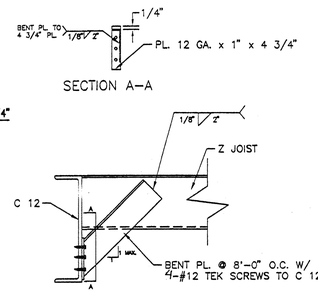
14 GA ROOF PURLIN
6 S3 DETAIL
3" = 1'-0"



Sx(MIN) = 0.305 in³ Sx(MAX) = 0.420 in³
Ix(MIN) = 0.569 in⁴ Ix(MAX) = 0.965 in⁴

PAN FABRICATED FROM ASTM A570 GRADE 36, HOT ROLLED SHEETS. PAN TO BE GIVEN A RUST INHIBITIVE COATING.

22 GA ROOF PAN
7 S3 DETAIL
3" = 1'-0"



NOTE: FOR ITEMS NOT NOTED SEE 1/S3

8 S3 ALT. BRACE CONNECTION DETAIL
N.T.S.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPROVED
APR 6 1998
SS FLS
DATE AUG 15 1997

REGISTERED PROFESSIONAL ENGINEER
DAVID O. SCHLUETER
3-31-00
No. 2569
STRUCTURAL
STATE OF CALIFORNIA

24 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
BRAD VROLIKS
No. 28837
Exp 9/99
STRUCTURAL
STATE OF CALIFORNIA

CUSTOMER:

ROOF FRAMING PLAN AND DETAILS

DATE: MARCH 3, 1997
SCALE: AS NOTED
DRAWN BY: KDT
DESIGNED BY: MDB
CHECKED BY: BJR
SERIAL NO.

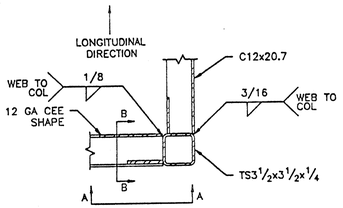
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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2			5		
3			6		

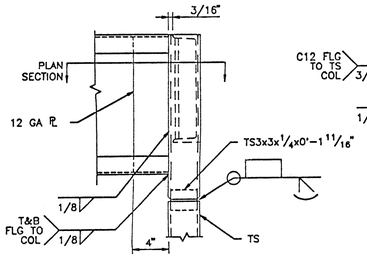
PROJECT No. 97023

SHEET No. S3

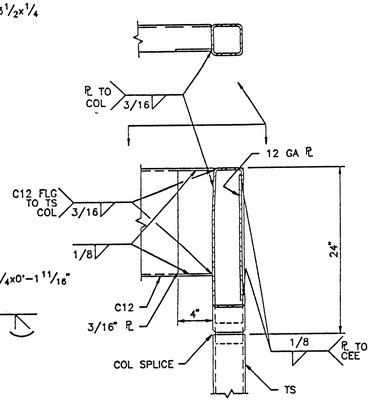
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PLAN SECTION

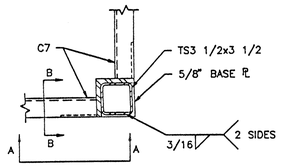


SECTION A–A

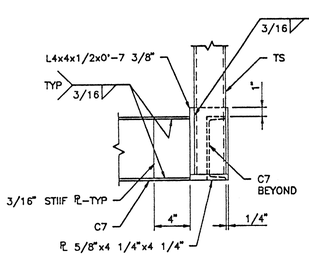


SECTION B–B

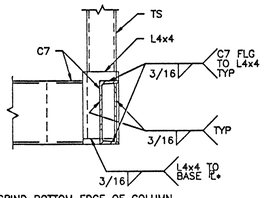
TOP CONNECTION
1/S4 DETAIL
1 1/2" = 1'-0"



PLAN

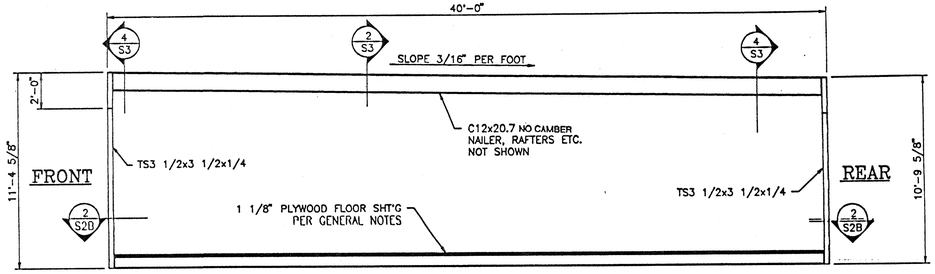


SECTION A–A

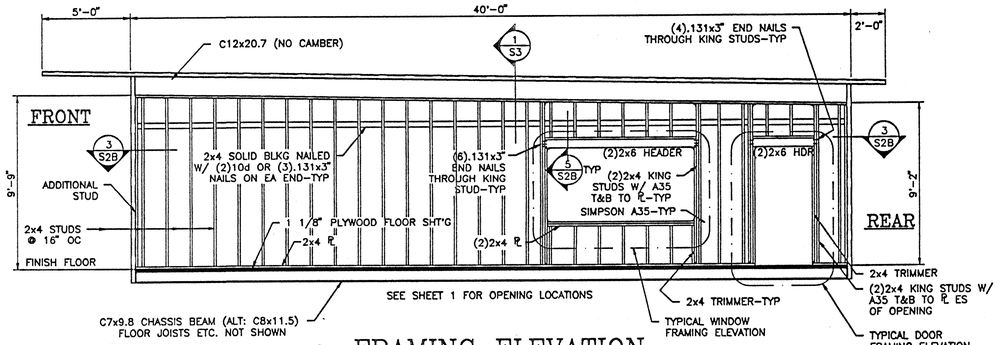


SECTION B–B

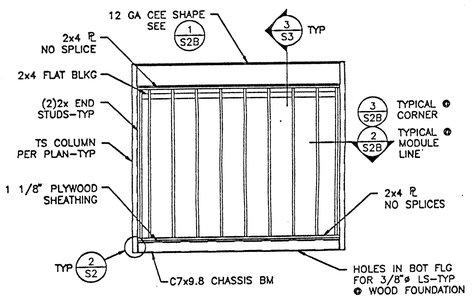
BOTTOM CONNECTION
2/S4 DETAIL
1 1/2" = 1'-0"



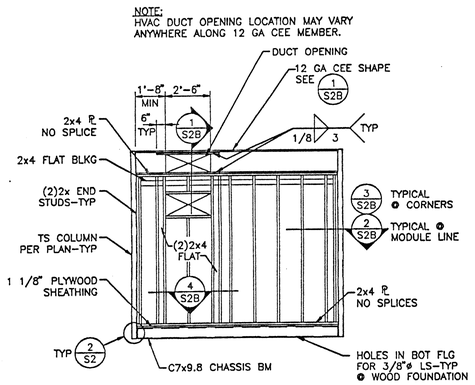
A/S4 FRAMING ELEVATION
1/4"=1'-0"



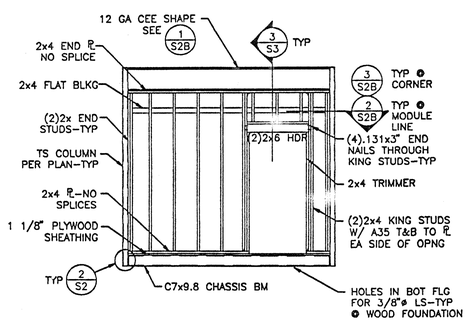
B/S4 FRAMING ELEVATION
1/4"=1'-0"



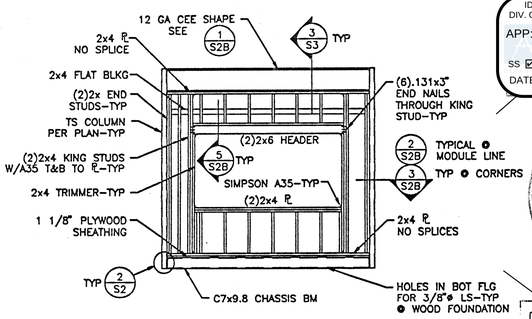
C/S4 SOLID END WALL ELEVATION
1/2" = 1'-0"



SEE SHEET 1 FOR OPENING LOCATION
D/S4 HVAC END WALL ELEVATION
1/2" = 1'-0"



SEE SHEET 1 FOR OPENING LOCATION
E/S4 DOOR END WALL ELEVATION
1/4"=1'-0"



SEE SHEET 1 FOR OPENING LOCATION
F/S4 WINDOW END WALL ELEVATION
1/2" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

REGISTERED PROFESSIONAL ENGINEER
DAVID O. SCHLUETER
No. 2569
STRUCTURAL
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
P C 3-28
SS DH
DATE 4/9/97

24 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
BRAD J. ROLLINS
No. 5837
Exp 9/99
STRUCTURAL
STATE OF CALIFORNIA

CUSTOMER:

FRAMING ELEVATIONS AND DETAILS

DATE: MARCH 3, 1997
SCALE: AS NOTED
DRAWN BY: KDT
DESIGNED BY: MDB
CHECKED BY: BJR
SERIAL NO.

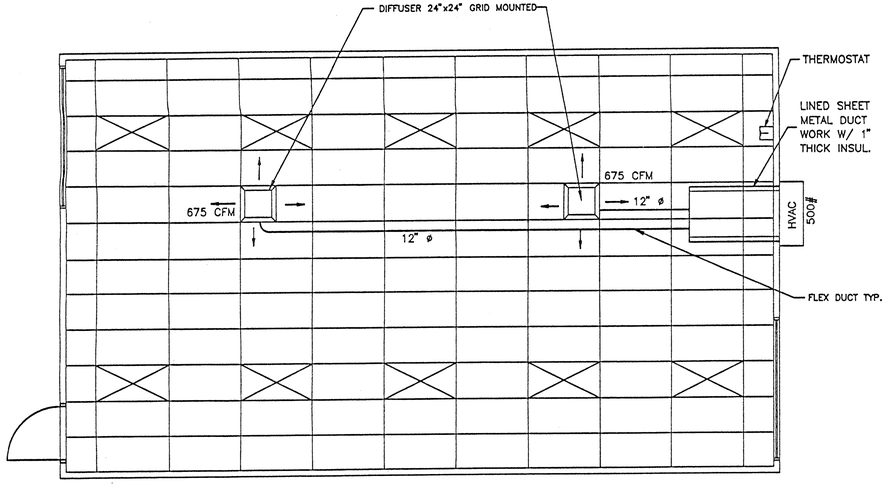
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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2			5		
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PROJECT No. 97023

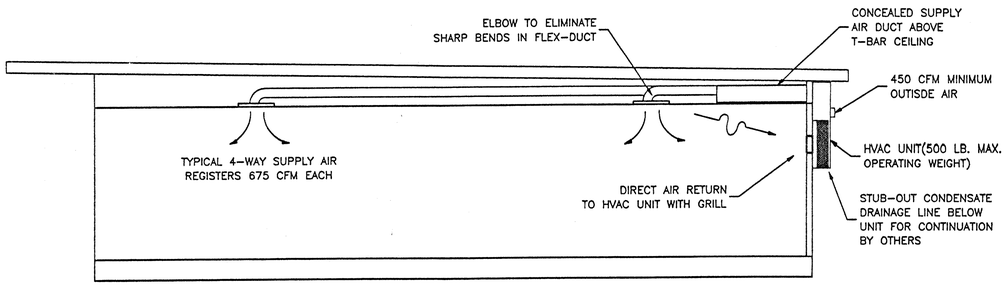
SHEET No. S4

G:\96187\ACAD\STRU\S4 1-3-97 4:37:19 pm EST



HEAT/SUPPLY AIR DUCT LAYOUT

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



HEAT/SUPPLY AIR DUCT CROSS SECTION

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

GENERAL NOTES
HEATING VENTILATING AND AIR CONDITIONING (HVAC)

1. Heat Pump: Single package wall mounted air to air electric heat pump unit shall be rated in accordance with ARI Standard 240-77.
   Reference Brands: BARD WH42A-XXXXXX
   MARVAIR AVP 42 HPA-08S

   All units shall be 230/208 volt, 1 phase system, UL tested & approved or comparable and meet current energy standards.

   A.) The system shall maintain an automatically controlled indoor classroom temperature of 78 degrees F. When the outdoor dry bulb temperature varies between 100 degrees F. in the summer
   B.) The system must maintain the above temperature when the damper is adjusted to use approximately one third fresh air.
2. Duckwork.
   A.) Construct all ductwork of galvanized sheet metal in accordance with U.M.C., Ashrae Guide Equipment volume and Smacna Low Velocity Duct Construction manual latest editions. All ductwork shall be insulated with 1" thick fiberglass duct wrap with vapor barrier. Provide 1" duct attenuation at all ductwork within 5'0" of HVAC unit.

   B.) Non-metallic ductwork option: In accessible concealed portions of duct system rigid 1" fiberglass or insulated flex-duct with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 5' of the HVAC unit and all interface connections shall be metal. Ductwork and reinforcement shall be designed for 2" static pressure.
   Reference Brands: Owens-Corning fiberglass ducttboard, 1" thick, and Micro-aire, TYPE 475.
   Non-metallic ductwork shall conform to NFPA 90-A and SMACNA Class 1 rating.
3. Air duct insulation and linings shall comply with flame spread less than or equal to 25, smoke generation less than or equal to 50.
4. Supply air diffusers shall be 675 CFM max. 15"x15" neck, steel, rigid 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" Micro-Aire type #475 Owens-Corning, Knauf, Certainteed, or equal and 90- B: UL #131 test, class 1 rating with "SMACNA".
5. Registers and diffusers: Provide three (Min) 4-way throw air diffusers as manufactured Carnes, Titus, Hart and Cooley, Metalaire, Shoemaker, Barber-Coleman or Krueger commercial grade grills and registers
6. Air conditioning controls.
   Thermostat: Provide electronic programmable thermostat. Thermostat shall have the following functions.
   A.) 5 and 2 weekday/weekend programming with 4 separate time/temperature setting for 24-hour period.
   B.) Key board lockout switch.
   C.) Programmable display.
   D.) 2-hour override minimum.
   E.) Status Indicated Led's.
   F.) Battery back-up.
   Provide locking clear thermostat cover with thermostat cover with access hole for program override. White Rodgers IF92.
7. Thermal insulation
   A.) Roof Insulation: R-19 Unfaced.
   B.) Walls Insulation: R-11 Kraft Faced.
   C.) Floors Insulation: R-11 Kraft Faced.
   Flame spread and smoke development shall conform to California Building Code sec. 707.
8. Factory-made air ducts. Factory-made air ducts shall be approved for the use intended or shall conform to the requirements of U.M.C. Standard No. 6-1. Each portion of a factory-made air duct system shall be identified by the manufacturer with a label or other suitable identification indicating compliancewith U.M.C. Standard No. 6-1 and its class designation. These ducts shall be listed and shall be installed in accordance with the terms of their listing and the requirements of UMC STD. 6-1.

DUCT SUPPORT
Flex duct to be supported with 1-1/2" wide x 26 ga. galv. strap @ max 6'-0" o.c. Attach to rafter W/2 #8 SMS @ each end.
Supply air plenum to be supported with 1-1/2" wide x 26 ga. galv. straps min. 2 per plenum.
Supply air box and diffusers to be supported with (2) 12 ga. hanger wires to box @ opposite corners.
Supply air box and diffusers to be braced with (2) 12 ga. slack wires to box @ opposite corners. Attach supply air diffusers to ceiling grid to resist a lateral load equal to the weight of the diffuser and supply air box W/2 #8 SMS.

THESE DRAWINGS COMPLY
WITH THE ENERGY CONSERVATION REQUIREMENTS
OF TITLE 24 OF THE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
DAVID O. SCHLUETER
3-31-00
No. 2569
STRUCTURAL
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL PC 328
AC FLS 97 SS 98
DATE 4/9/97

3" STANDING SEAM ROOF

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:

MECHANICAL PLAN & NOTES

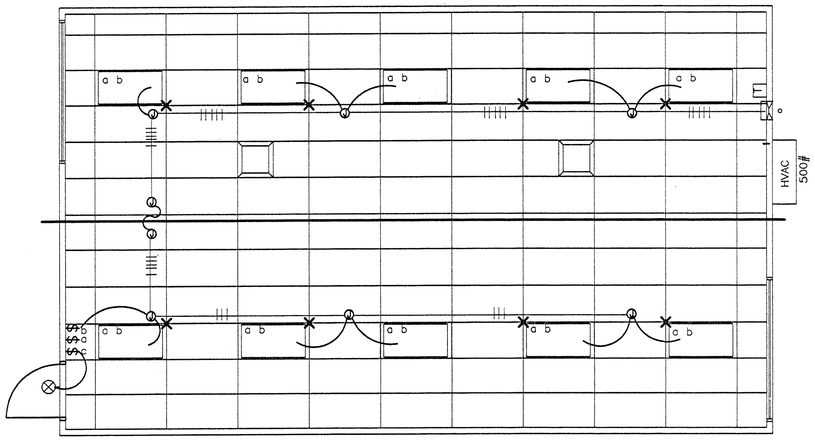
DATE: 4-8-97
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
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SERIAL NO.

REVISIONS

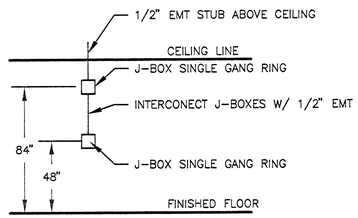
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1			5		
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PROJECT No.

SHEET No.
M 1



1 / E1 **LIGHT FIXTURE PLAN**
1/4" = 1'-0"



SPECIAL J-BOX INSTALLATION DETAIL

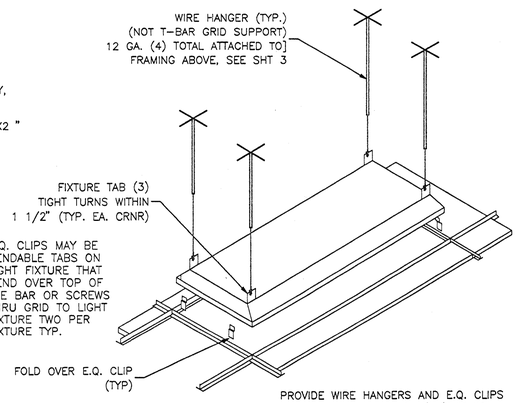
The H.V.A.C. unit feeder circuit – panel circuit breaker, feeder wire, unit disconnect and fuses (where used) – is to be coordinated with the name plate data at the time ofmanufacture. H.V.A.C. units having KVA ratings larger than that indicated on this panel schedule will not be allowed to be installed on this building. If 60 degrees C. wire is to be used in this installation, calculations demonstrating ampacity be provided on the drawing.

STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE – SURFACE MOUNTED.
- FLUORESCENT LIGHTING FIXTURE – RESCESSED.
- FLUORESCENT LIGHTING FIXTURE – WALL MOUNTED (EXTERIOR)
- INCANDESCENT LIGHTING FIXTURE – WALL MOUNTED (INTERIOR).
- DUPLEX WALL CONVENIENCE OUTLETS +15".
- SINGLE POLE LIGHT SWITHCES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- LECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"X1 ",#22 4"X2 "
- WALL CLOCK OUTLET WITH POWER OUTLET +84".
- a — SWITCH SUBSCRIPTS – a=DEVICE CONTROLLED.
- 15 AMP DUPLEX RECEPTACLE +15". HOSPITAL GRADE.
- JUNCTION BOX – SIZE AND TYPE AS REQUIRED.
- PANELBOARD – SEE SCHEDULE.
- TERMINAL CABINET – SIZE AND TYPE AS NOTED.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR OR GRADE.
- HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
- INDICATES 1#14 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.

NOTE: BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#14 WIRE CIRCUIT, FOR MORE THAN 2#14 WIRES AS FOLLOWS, 3#14, 4#14 ETC. FOR OTHER SIZES AS FOLLOWS, 3#10, 4#6 ETC.

- (A) — FIXTURE IDENTIFICATION – LETTER INDICATES TYPE.
- N.I.E.S. — ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.
- MT — ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.
- FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.
- [W.E.F.] — WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.
- 50 AMP 250 VOLT RANGE RECEPTACLE.
- F — FIRE ALARM STATION – OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"CENTERLINE
- FIRE ALARM HORN – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" MIN. AND NOT LESS THAN 6" BELOW FINISHED CEILING.
- FIRE ALARM VISUAL ALARM– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER BOTTOM +80". A.F.F. BUT NO GREATER THAN +96". IF CEILING MOUNTED PER NFPA72 TABLE 6-4.4.1(b).
- SPEAKER– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84"
- INTERCOM TELEPHONE– OUTLET ONLY– 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"
- M — FIRE ALARM MINI HORN – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" MIN. AND NOT LESS THAN 6" BELOW FINISHED CEILING.



SUPPORT DETAIL

PROVIDE WIRE HANGERS AND E.Q. CLIPS AS REQUIRED BY CALIFORNIA SEISMIC REGULATIONS CBC 2501.A.5 & IR. 47-4

FIRE ALARM SYSTEM

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, ARTICLE 760 &CA. FIRE CODE ART. 10.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE DIVISION OF THE STAT ARCHITRCT.
3. 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 ENFORCING AGENCY.

GENERAL NOTES

1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC 250-94 & 95.
2. ALLOW FOR 12' MOVEMENT IN ANY DIRECTION IF PAD FOUNDATION IS USED.
3. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
4. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

FIXTURE NOTES:

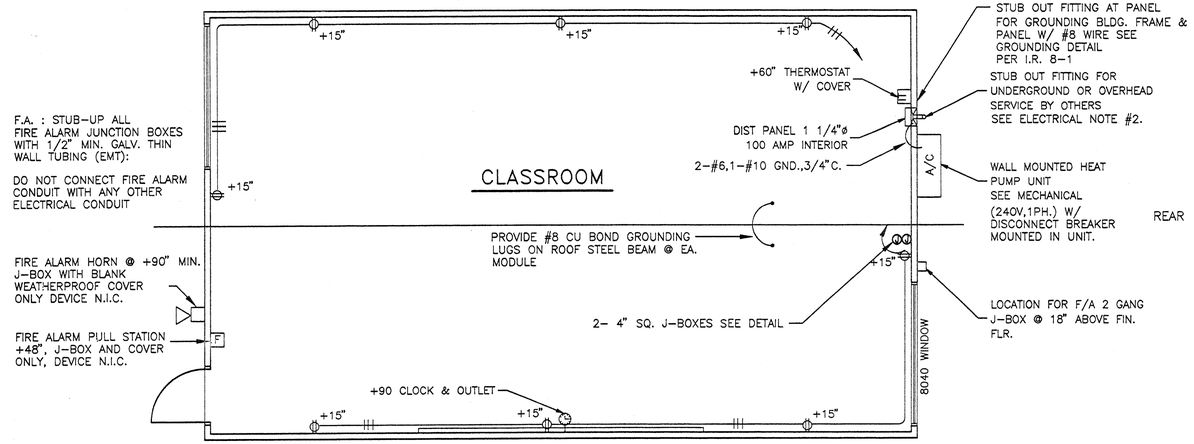
1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
2. LUMINATES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE TITLE 24.
3. FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
	2'X4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS. ENERGY SAVING BALLAST. (4)35 WATT TUBES, WT. 27 LBS.	156 W	CRESCENT 24TF440DLA
	FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE. .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & "POSIGRIP" STAINLESS STEEL SCREWS.	(2) 7W TT 2700 K	KENALL 3714 OR LITHONIA 202 2/7PL LP
	INCANDESCENT WALL MOUNTED	150W	PROGRESS P3011x30"

SEE TYPICAL CLASSROOM LAYOUT FOR LOCATIONS OF ALL DEVICES.
FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

ELECTRICAL

1. Electrical service drop and connections supplied by others.
2. Manufacturer to provide stub-out from back of electrical panel through the exterior wall for receiving either underground or overhead service & fitting for grounding cable.
3. Electrical panel board shall be recess mounted inside the building. Sized to accommodate all connected loads including spaces as shown. Overcurrent protective devices in the panel boards have adequate short circuit interrupting capacity. All buses including bus shall be copper or aluminum.
4. 2x4 Flourescent fixtures shall be steel frame, lens shall be hinged and locked in place by two locking devices. The lens diffusers shall be KHS, Inc. #KSH-12, Carolite, Inc. #C-12 or Plaskolite, Inc. #PL21A. Minimum lens thickness shall be .125 inch.
5. Flourescent ballast shall be energy saver while maintaining full light output, class "P" equipped with thermal protectors, guaranteed against failure for (2) years and be replaced from inside the fixture.
6. Clock – 12" dial clock on clock outlet.
   A) Clock shall be General Electric model 2912 129V 60 cycle
   B) Clock outlet shall be Bryant #2828 or equal with seperable hanging clip & app'd recept.



2 / E1 **ELECTRICAL PLAN**
1/4" = 1'-0"

FIRE ALARM
Junction boxes – Galvanized sheet metal, square or rectangular with blank covers. Locate one box at rear of building near main electrical panel at +18- above finish floor for future connection.
Covers – Install gasketed, metal, waterproof, finish covers at exterior locations. Install finish covers at interior locations.

If testing results determine fire alarm audibility does not meet 15db over ambient noise levels, additional fire alarm signaling devices may be required by the enforcing anency

VOLTS: 120/240 SINGLE PHASE						PANEL: A						FEED: EXTERIOR LB			
MAIN: 100 AMP MAIN BKR.						LOCATION: INTERIOR						MOUNTING: FLUSH			
LOAD	WATTS A	WATTS B	BRK. AMP	P	C R	A	B	C R	BRK. P	BRK. AMP	WATTS A	WATTS B	LOAD
LIGHTS, FLUORESCENT	960		15	1	1			2	2	50	4476		A/C HVAC UNIT
LIGHTS, FLUORESCENT		960	15	1	3			4	2	50		4476	
EXTERIOR LIGHT & CLOCK	100		15	1	5			6					SPACE
DUPLEX RECEPT.		720	15	1	7			8					
DUPLEX RECEPT.	720		15	1	9			10					
SPACE					11			12					
					13			14					
					15			16					
PHASE WATTAGE	1880	1680			17			18			4476	4476	PHASE WATTAGE
TOTAL WATTS "A" LEG: 6556			TOTAL WATTS A+B=2743								TOTAL WATTS "B" LEG 6156		
TOTAL WATTS: 15455		65 AMPS				120/240V		SINGLE PHASE					100AMP BUS.

FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

3 / E1 **ELECTRICAL DISTRIBUTION PLAN**
1/4" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER DAVID O. SCHLUETER 3-31-00 No. 2569 STRUCTURAL STATE OF CALIFORNIA

NOTE: THIS PAGE IS BASED ON PC264 CHANGES INCLUDE NOTE ON LIGHT DETAIL AND ADDED J-BOXES AT REAR OF CLASSROOM.

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123755 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/03/2025

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:
RELOCATABLE CLASSROOMS AT VARIOUS SITES
LODI UNIFIED SCHOOL DISTRICT
LODI, CALIFORNIA

FLOOR PLAN & NOTES

DATE: 3-6-97
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			5		
2			6		
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PROJECT No.

SHEET No. E 1