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TRACY UNIFIED SCHOOL DISTRICT POET CHRISTIAN ES - TK CLASSROOM

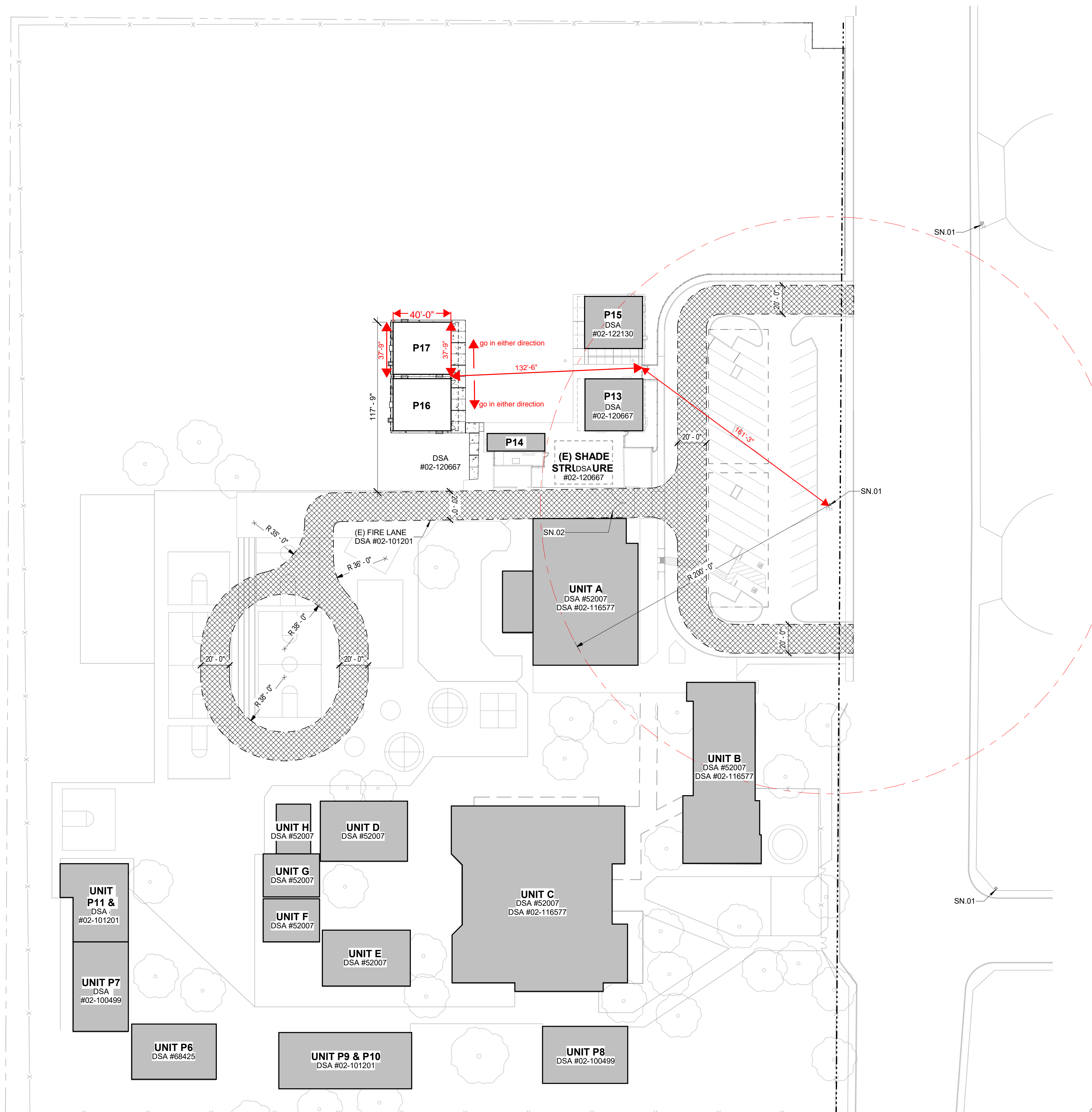
1701 S CENTRAL AVE.
TRACY, CA 95376

GENERAL NOTES








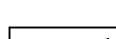
- CONSTRUCTION DOCUMENTS DESCRIBE THE PRODUCTS, SYSTEMS, QUANTITIES, CONFIGURATION, AND PERFORMANCE SPECIFICATIONS THAT DELIVER THE OVERALL DESIGN INTENT OF THE PROJECT.
- THE CONSTRUCTION DOCUMENT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY BOTH.
- PERFORMANCE BY THE CONSTRUCTION TEAM SHALL BE CONSISTENT WITH THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AS NECESSARY TO DELIVER THE INDICATED RESULTS OF THE DESIGN INTENT.
- VERIFY ALL DIMENSIONS, LOCATIONS OF EXISTING UTILITIES, AND CONDITIONS ON THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS. EXISTING CONDITIONS ARE INDICATED AS A RESULT OF FIELD OBSERVATIONS, INFORMATION SHOWN ON AVAILABLE DOCUMENTS AND FIELD CONDITIONS AT THE TIME OF PREPARATION.
- ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL GOVERNING CODES, ORDINANCES, REGULATIONS AND LAWS.
- THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS AND SCAFFOLDING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
- IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THE DRAWINGS.
- DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY NOTED OTHERWISE.
- ENACT ALL MEASURES TO PROTECT AND SAFEGUARD ALL EXISTING ELEMENTS TO REMAIN FROM BEING DAMAGED, REPLACEMENT OR REPAIR EXISTING ELEMENTS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION.
- PRIOR TO THE START OF WORK THE CONTRACTOR SHALL COORDINATE BETWEEN THE REQUIREMENTS OF ALL DISCIPLINES HEREIN AND BETWEEN THE REQUIREMENTS OF ALL DRAWINGS AND SPECIFICATIONS IN ORDER THAT ALL ITEMS SATISFACTORILY RELATE TO ONE ANOTHER. NOTIFY ARCHITECT IMMEDIATELY REGARDING ANY ITEMS THAT CANNOT BE COORDINATED.
- CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, CONDUIT, ETC. AND TO PREVENT HAZARD TO PERSONNEL AND/OR TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
- CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS SHALL NOT TO BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT, AND STRUCTURAL ENGINEER OF RECORD.
- ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATION (CCR).
- THE LIMIT OF WORK LINE SHOWS THESE DRAWINGS IS AN APPROXIMATE LIMIT OF WORK ONLY. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL WORK, INCLUDING BUT NOT LIMITED TO INSTALLATION OF CONDUIT, MANHOLES, PULLBOXES, ETC WHICH ARE TO BE PART OF THIS WORK, ALTHOUGH OCCURRING OUTSIDE OF SHOWN LIMIT OF WORK LINES.
- FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTORS DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. SITE DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.
- CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24 CCR.
- A DSA CERTIFIED CLASS 1 RIB PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT. THE REPORTS SHALL BE SUBMITTED TO ARCHITECT OF RECORD, STRUCTURAL ENGINEER OF RECORD, OWNER, INSPECTOR OR RECORD, AND THE DSA FIELD ENGINEER. THE REPORTS OF ANY FAILURES OF TESTS AND INSPECTIONS ARE TO BE SUBMITTED TO DSA DISTRICT STRUCTURAL ENGINEER.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE SAFETY PLAN.
- 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, REFER TO CONSULTANT DRAWINGS FOR 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).
- CONTRACTOR IS TO REVIEW AND COMPLY WITH ALL REQUIREMENTS AND MITIGATION MEASURES SET FORTH IN BOTH THE ENVIRONMENTAL IMPACT REPORT (ADDENDUM TO THE ENVIRONMENTAL IMPACT REPORT) (SCH NO. 2020071120) INCLUDING ATTACHED BIOLOGICAL RESOURCES TECHNICAL REPORT.
- NO DUMPING OR PLACING OF ANY DIRT OR DEBRIS SHALL BE ALLOWED OUTSIDE OF THE CONTRACTORS LIMIT OF WORK AREA.
- A CLASS 1 IN-PLAN INSPECTOR IS REQUIRED FOR THIS PROJECT.

CODES

PARTIAL LIST OF APPLICABLE CODES		PARTIAL LIST OF APPLICABLE STANDARDS	
2022	CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 19 C.C.R.	NFPA 13	STANDARD FOR AUTOMATIC FIRE SPRINKLER SYSTEMS (CA AMENDED)
2022	CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.	NFPA 14	STANDARD FOR STANDPIPE AND HOSE SYSTEMS (CA AMENDED)
2022	(2021) INTERNATIONAL BUILDING CODE VOLUMES 1 & 2 AND 2022 CALIFORNIA AMENDMENTS (I)	NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS
2022	CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.	NFPA 17A	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS
2022	(2020) NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS (N)	NFPA 20	STANDARD FOR STATIONARY PUMPS FOR FIRE PROTECTION
2022	CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.	NFPA 22	STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION
2022	(2021) UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS (U)	NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE MAINS AND THEIR APPURTENANCES (CA AMENDED)
2022	CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.	NFPA 72	NATIONAL FIRE ALARM & SIGNALING CODE (CA AMENDED)
2022	CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.	NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES
2022	CALIFORNIA HISTORICAL BUILDING CODE (CHBC), PART 8, TITLE 24 C.C.R.	NFPA 2001	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED)
2022	CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.	UL 300	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT
2022	(2021) INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS (I)	UL 464	AUDIBLE SIGNAL APPLIANCES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES
2022	CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R.	UL 521	STANDARD FOR HEAR DETECTORS FOR FIRE PROTECTION SIGNALING SYSTEMS
2022	(2021) INTERNATIONAL EXISTING CODE AND 2022 CALIFORNIA AMENDMENTS (I)	UL 1971	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED
2022	CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.	ICC 300	STANDARD FOR BLEACHERS, SEATING AND GRANDSTANDS
2022	CALIFORNIA REFERENCE STANDARDS, PART 2, TITLE 24 C.C.R.		
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2022	(2021) INTERNATIONAL EXISTING CODE AND 202		



LEGEND

	NEW BUILDINGS		PROPERTY LINE
	EXISTING BUILDINGS		(E) CHAIN LINK FENCE
	FUTURE BUILDINGS		(E) FIRE HYDRANT
	CONCRETE WALK / PAVING		
	(E) FIRE LANE		

LOCAL FIRE AUTHORITY REVIEW

DSA-810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

PROJECT INFORMATION		
School District:	TRACY UNIFIED SCHOOL DISTRICT	
Project name / school:	POET-CHRISTIAN ELEMENTARY SCHOOL	
Project address:	1701 S CENTRAL AVE, TRACY, CA 95376	

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

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

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

Accepted by: _____ Title: _____
Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name:	
LFA Review Official:	
Title:	Work Phone:
Work Email:	
LFA Reviewer's Signature: _____ Date: _____	

FIRE FLOW TEST



HYDRANT FLOW REPORT
(NFPA 291)
Other Than BCPU & H2GO

Hydrant Test Applicant:	Tracy unified school district		
Project Name:	Poet Elementary		
Location:	1701 South Central Ave., Tracy, CA	Date:	11-25-24
Test made by:	Joseph Hurley	Time:	10:00am
Representative of:	Cosco Fire Protection		
Witness:	Steve Eades		
If pumps affect test, indicate pumps operating:			

	A ₁	A ₂	A ₃	A ₄
Flow hydrant # (GIS Object ID):	1			
Size Nozzle:	2.5			
Water main size:	8"			
GPM:	1319 gpm			
Pitot Gauge Pressure:	50 psi			
Hydrant Elevation(top):	-9'			
Total GPM	1319 gpm			
Residual Hydrant B Static: 72 psi		Dynamic: 22psi		Hydrant #:
Hydrant Elec (top):				
Remarks:	8" check valve in pit static 72 psi residual 60 psi			

Pressures noted above are based on system conditions at the time of the test. System pressures will vary based on tank levels, system demand, and pump operation.

Location map: Show line sizes and distance to next cross-connected line. Show valves and hydrant branch size. Show flowing hydrants – Label A₁, A₂, A₃, A₄. Show location of static and residual – Label B. Pressure drop at residual hydrant should be at least 10 psi. Add additional flow hydrants until a 10 psi drop is reached.

Indicate B: Hydrant _____ Sprinkler _____ Other (identify) _____

3850 Atherton Road Rocklin, CA 95765 | PH 916-652-1306 | FAX 916-652-1307 | C-10/C-16 577621 | www.coscofire.com

SEE OTHER SHEETS FOR CONSTRUCTION

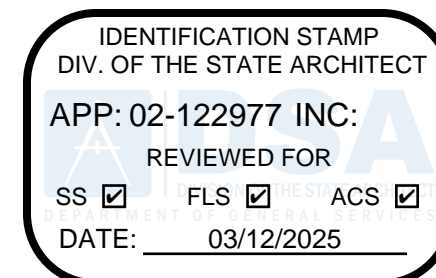
THIS PLAN INCLUDES INFORMATION FOR LOCAL FIRE AUTHORITY APPROVAL ONLY. REFER TO OTHER SHEETS FOR SITE CONSTRUCTION DETAILS.

EMERGENCY RESPONDER RADIO COVERAGE

NEW BUILDINGS SHALL BE PROVIDED WITH EMERGENCY RESPONDER RADIO COVERAGE IN ACCORDANCE WITH CALIFORNIA FIRE CODE SECTION 510. THE PROJECT ARCHITECT (AOR) SHALL CONTACT THE LOCAL FIRE DEPARTMENT AND/OR EMERGENCY COMMUNICATIONS AGENCY TO OBTAIN DESIGN, EQUIPMENT SPECIFICATIONS, TESTING AND ACCEPTANCE CRITERIA. PLANS AND REQUEST DOCUMENTATION SHALL BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL UPON COMPLETION. COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS, TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT.

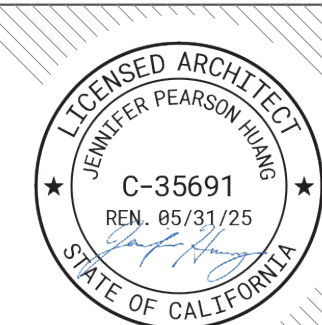
A circle with a vertical line segment at the top, labeled N below it.

1
1" = 40'



HMC Architects

3595005000



ISSUE

Δ DESCRIPTION	DATE
Δ ADDENDUM "A"	3/20/25

KEYNOTES

SHEET NOTES

SN.01 (E) FIRE HYDRANT
SN.02 (E) 20' - 0" FIRE ACCESS GATE WITH KNOX BOX

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
LOCAL FIRE AUTHORITY SITE PLAN

CONSTRUCTION DOCUMENTS

DATE: 02/23/24	CLIENT PROJ NO: 3595005000
SHEET:	

G1.51

ADDENDUM "A"

THE LINE SHOWN ABOVE IS A
PROPERTY OF THE STATE ARCHITECT
UNLESS OTHERWISE NOTED
DATE: 12/12/2023 4:58:53 PM

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
CA TV	CABLE TELEVISION
CO	CLEANOUT
COMM	COMMUNICATION
CONC.	CONCRETE
CONSTR.	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
DOWNSP.	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
HBD	HOSE BIBB
HDP	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
INV	PIPE INVERT ELEVATION
J	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
TR	TOP OF RAMP ELEVATION
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:	
	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)
	STORM DRAIN CLEANOUT
	ELEVATION
	FINISHED FLOOR ELEVATION
	BUILDING PAD ELEVATION
	CONCRETE SIDEWALK
	GRADED DIRECTION FOR DRAINAGE FLOW
	SWALE
	SLOPE
	TREE TO BE REMOVED
	RETAINING WALL
PROPOSED SANITARY SEWER SYMBOLS:	
	SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
	SANITARY SEWER MANHOLE (SSMH)
	SEWER CLEANOUT FLUSHER BRANCH
PROPOSED WATER SYMBOLS:	
	WATER LINE & SIZE
	FIRE LINE & SIZE
	DOMESTIC WATER LINE & SIZE
	RECLAIMED WATER LINE & SIZE
	IRRIGATION SERVICE LINE & SIZE
	NON POTABLE WATER LINE & SIZE
	FIRE SPRINKLER SERVICE LINE & SIZE
	GATE VALVE
	WATER METER
	FIRE HYDRANT ASSEMBLY
	FIRE DEPARTMENT CONNECTION
	DETECTOR CHECK VALVE
	DOUBLE DETECTOR CHECK VALVE
	REDUCED PRESSURE BACKFLOW PREVENTER
	BUTTERFLY VALVE
	AIR RELEASE VALVE + SIZE
	BLOW-OFF VALVE + SIZE
	POST INDICATOR VALVE

DEMOLITION GENERAL NOTES

- REFER TO ARCHITECTURAL, LANDSCAPE, ELECTRICAL AND PLUMBING PLANS FOR ADDITIONAL DEMOLITION ITEMS.
- 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.
- ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
- ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
- ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
- THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
- EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
- ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.
- 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.
- PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.
- WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.
- COORDINATE REMOVAL OF LANDSCAPE ITEMS WITH LANDSCAPE PLANS.

GENERAL NOTES

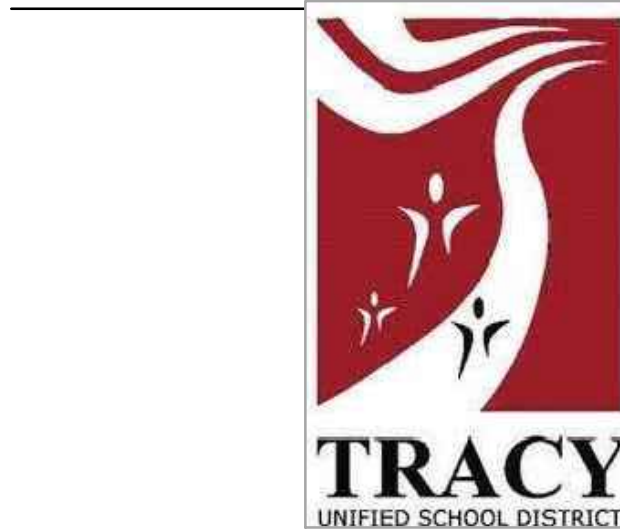
- THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A 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.
- WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL. 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.
- 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.
- 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.
- 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.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY PRE-CONSTRUCTION SITE REVIEWS TO DETERMINE NECESSARY MEANS AND METHODS TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ANY SOREDE BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SOREDE" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
- 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 CONSTRUCTION.
- 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.
- ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDROSEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
- 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.
- AT LIMITS OF NEW PAVEMENT OR CURBS ADJACENT TO LANDSCAPING PROVIDE A 4:1 MINIMUM TRANSITION TO EXISTING GRADE WITH TOPSOIL. ADJUST EXISTING IRRIGATION HEADS TO FINISH GRADE AND PROVIDE SOD IN GRASS AREAS TO RESTORE TO EXISTING CONDITION.
- TRANSITION BETWEEN PAVED SURFACES AND LANDSCAPE AREAS SHALL BE NO GREATER THAN 1", UNLESS NOTED OTHERWISE.
- WITHIN LIMITS OF WORK THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ARCHITECT FOR DIRECTION.
- GENERAL CONTRACTOR IS REQUIRED TO HIRE A LANDSCAPE SUBCONTRACTOR TO PERFORM ALL LANDSCAPE AND IRRIGATION REPAIRS.
- WIDTH OF NEW SIDEWALKS SHALL MATCH WIDTH OF EXISTING, ADJACENT, SIDEWALKS.
- SEE ARCHITECTURAL PLANS FOR EXPANSION AND CONTROL JOINT LAYOUT.
- 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.
- ALL NEW ASPHALT PAVING TO BE PROVIDED WITH 2 COATS OF SEALCOAT.
- PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.
- FOR ACCESSIBLE PATH OF TRAVEL REQUIREMENTS SEE ARCHITECTURAL SHEETS.
- PERCENT OF SLOPE SHOWN ON ARROWS ARE MAXIMUM SLOPES AND NOT INTENDED TO SUPERCEDE SLOPES DEFINED BY SPOT 0.0% MAX. ELEVATIONS.
- WITHIN THE LIMITS OF ACCESSIBLE PARKING AREA AND ACCESSIBLE DROP OFF ZONE THE SLOPE OF PAVEMENT SHALL NOT EXCEED 1.9% IN ANY DIRECTION.
- SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS:

CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL - 1.9%
DIRECTION OF TRAVEL - 4.9%
RAMP IN DIRECTION OF TRAVEL - 8.0%
PLAZA 1.9% - IN ANY DIRECTION
- THE MINIMUM SLOPE AWAY FROM THE BUILDING ON PAVED SURFACES SHALL BE 1% MINIMUM AND 2% MAXIMUM.
- TRANSITIONS BETWEEN CONCRETE AND OR ASPHALT SURFACES SHALL BE FLUSH, UNLESS NOTED OTHERWISE BY CURB OR STEP.



AGENCY APPROVAL:

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APP: 02-122977 INC:	
SS <input checked="" type="checkbox"/>	FLS <input checked="" type="checkbox"/>
REVIEWED FOR	
ACS <input checked="" type="checkbox"/>	
DATE: 03/12/2025	



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KEYNOTES

GENERAL NOTES



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FACILITY:

POET-CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE
TRACY, CA 95376

PROJECT:

POET-CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

CIVIL GENERAL NOTES AND ABBREVIATIONS

CONSTRUCTION DOCUMENTS

DATE: 1/16/2024

CLIENT PROJ NO: 3595005000

SHEET:

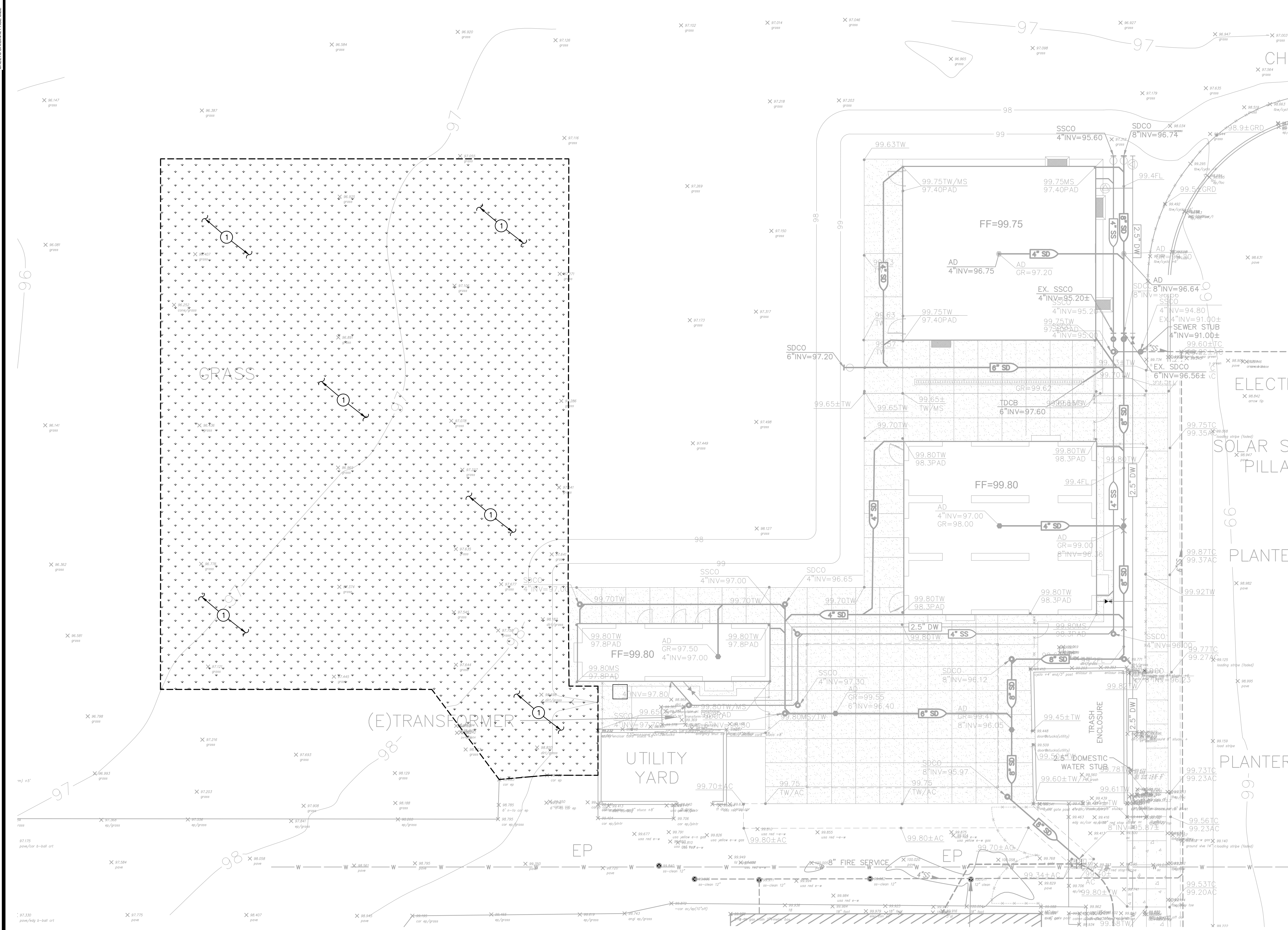
C0.1

ADDENDUM "A"

CIVIL SHEET INDEX

- C0.1 CIVIL GENERAL NOTES AND ABBREVIATIONS
- C1.1 DEMOLITION PLAN
- C2.1 GRADING AND PAVING PLAN
- C3.1 UTILITY PLAN

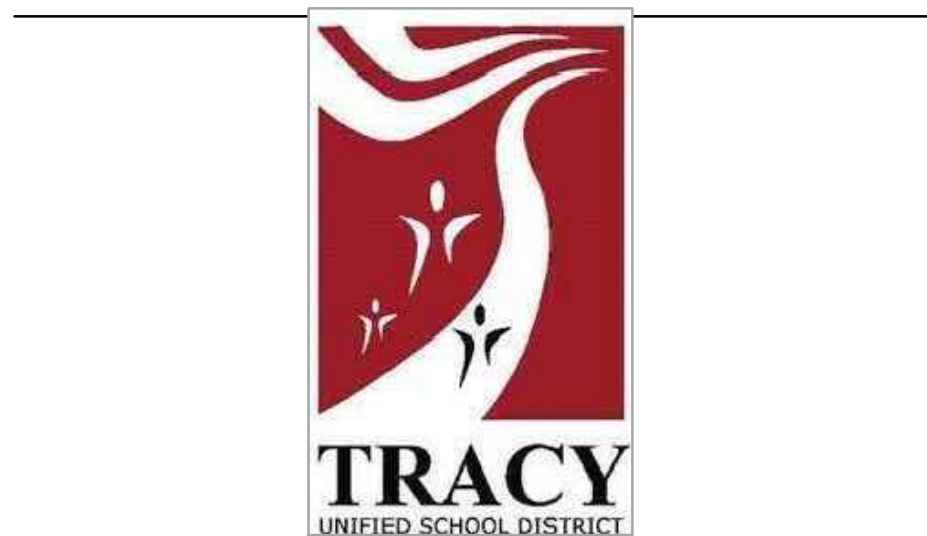
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- DEMOLITION NOTES**
1. REMOVE AND DISPOSE OF EXISTING TURF AND ASSOCIATED IRRIGATION PIPING/SPRINKLERS WITHIN AREAS OF WORK. CUT AND CAP ANY MAINLINES NEAR WHERE THEY ENTER THE BOUNDARY OF THE PROJECT. MARK ALL CAPPED LINES WITH AN IRRIGATION VALVE BO. ALL EXISTING IRRIGATION AREAS OUTSIDE THE PROJECT WORK AREA SHALL BE PRESERVED AND OPERATIONAL INTEGRITY SHALL BE MAINTAINED WITH PROPER SPRINKLER COVERAGE TO TURF AREAS TO REMAIN.

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KEYNOTES

GENERAL NOTES

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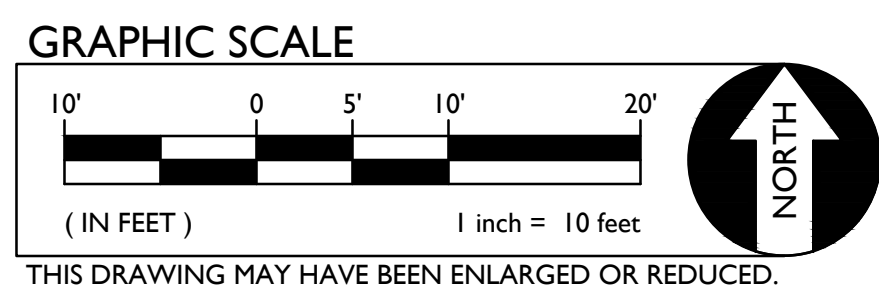
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DEMOLITION PLAN

CONSTRUCTION DOCUMENTS

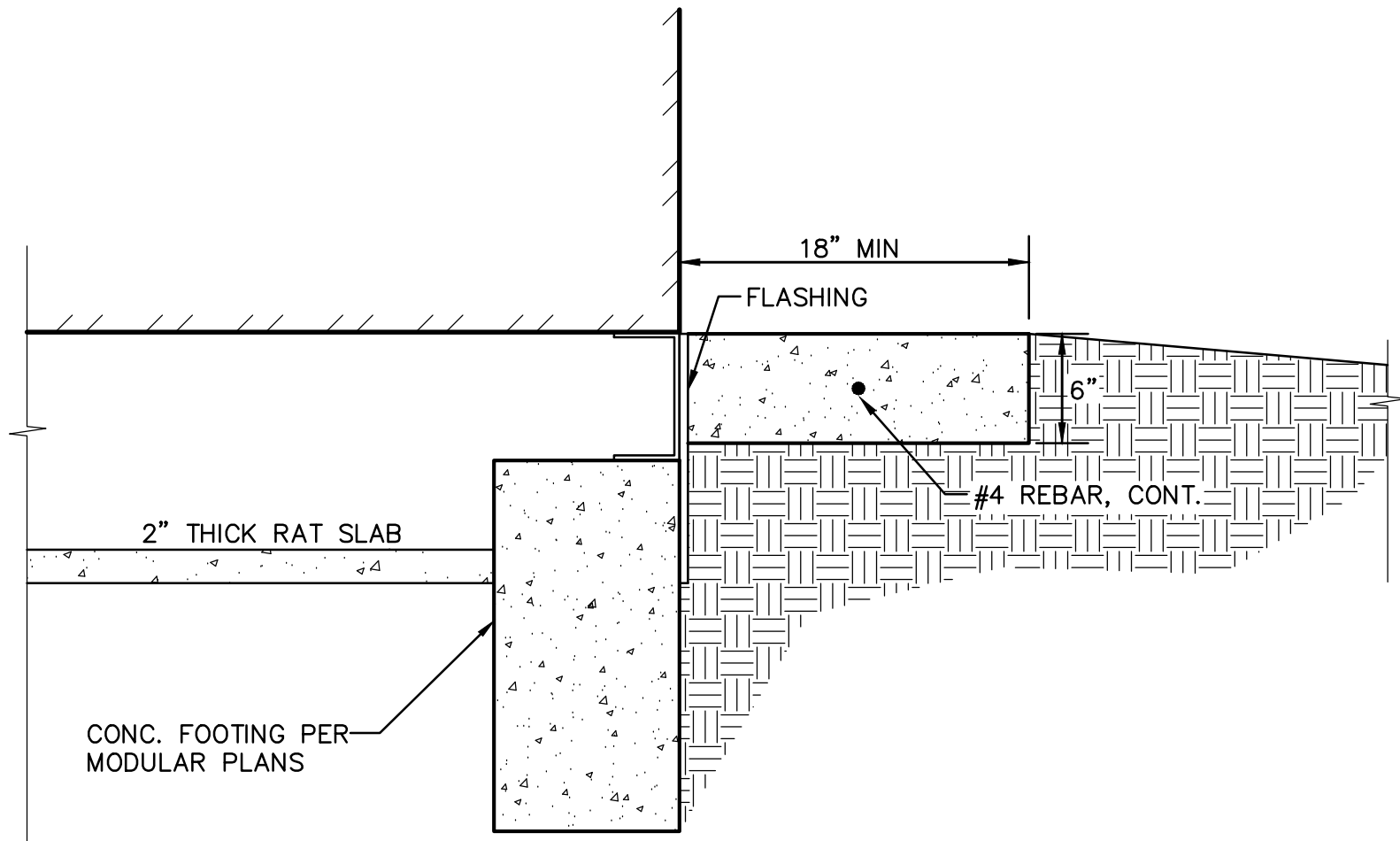
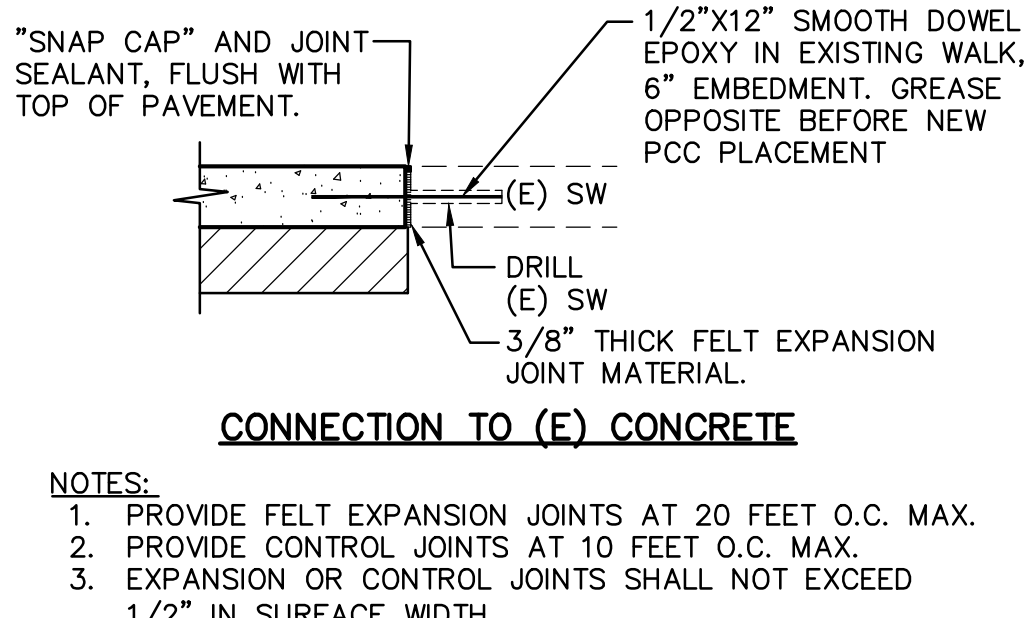
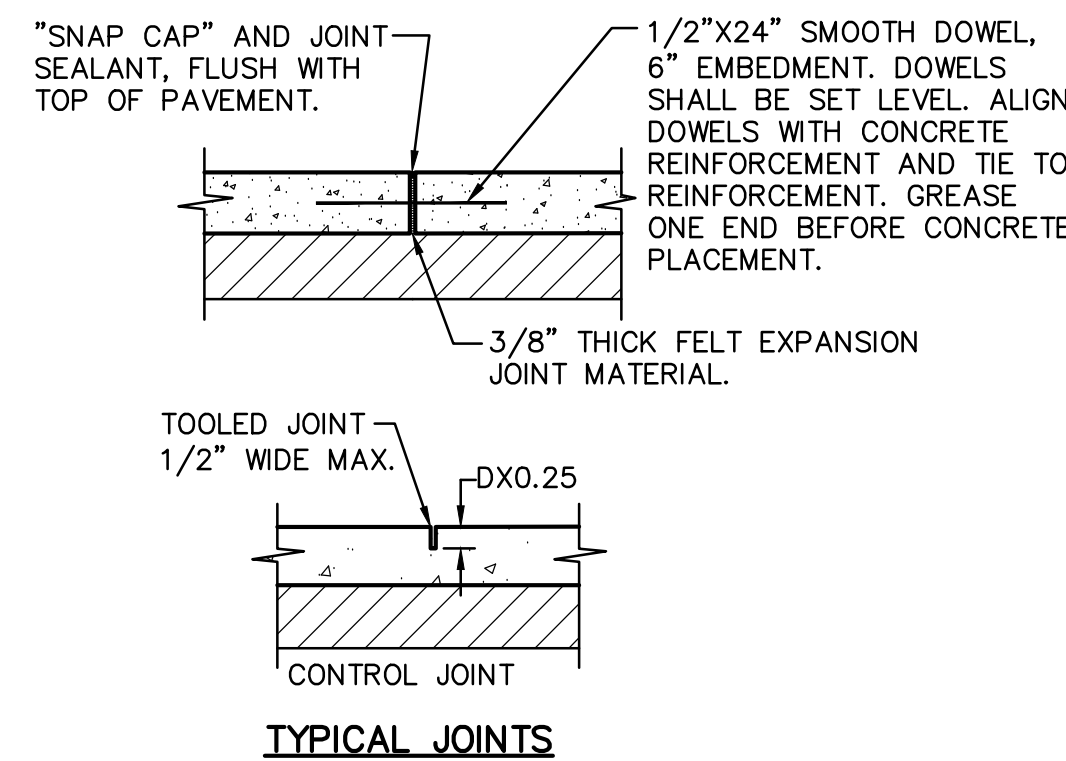
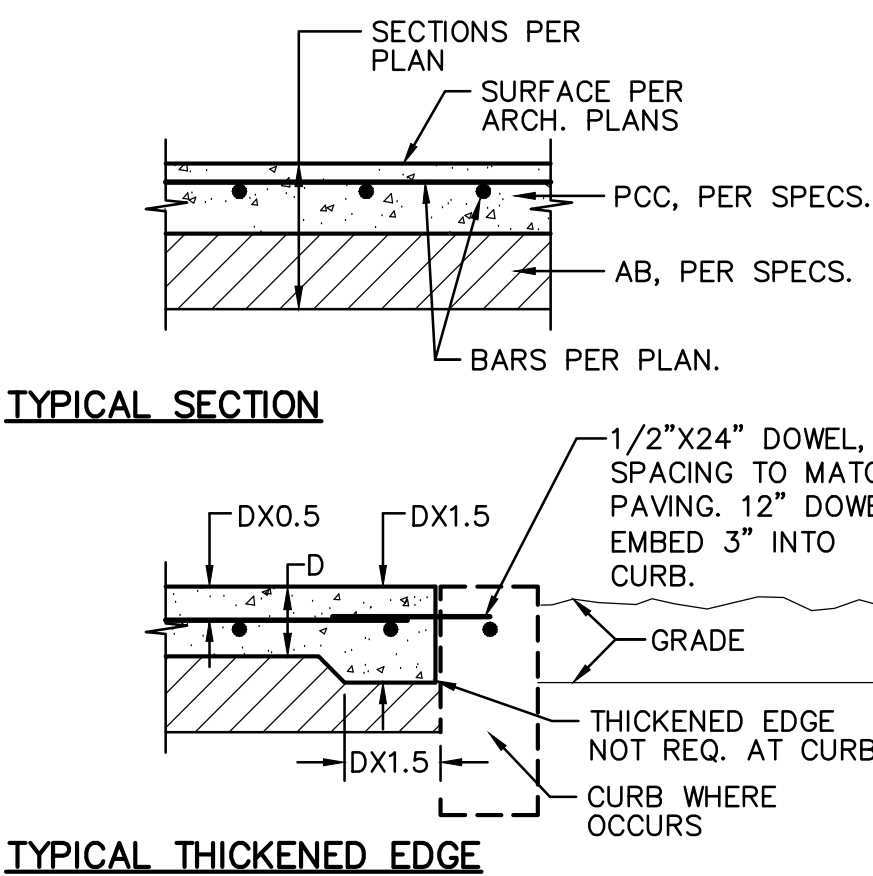
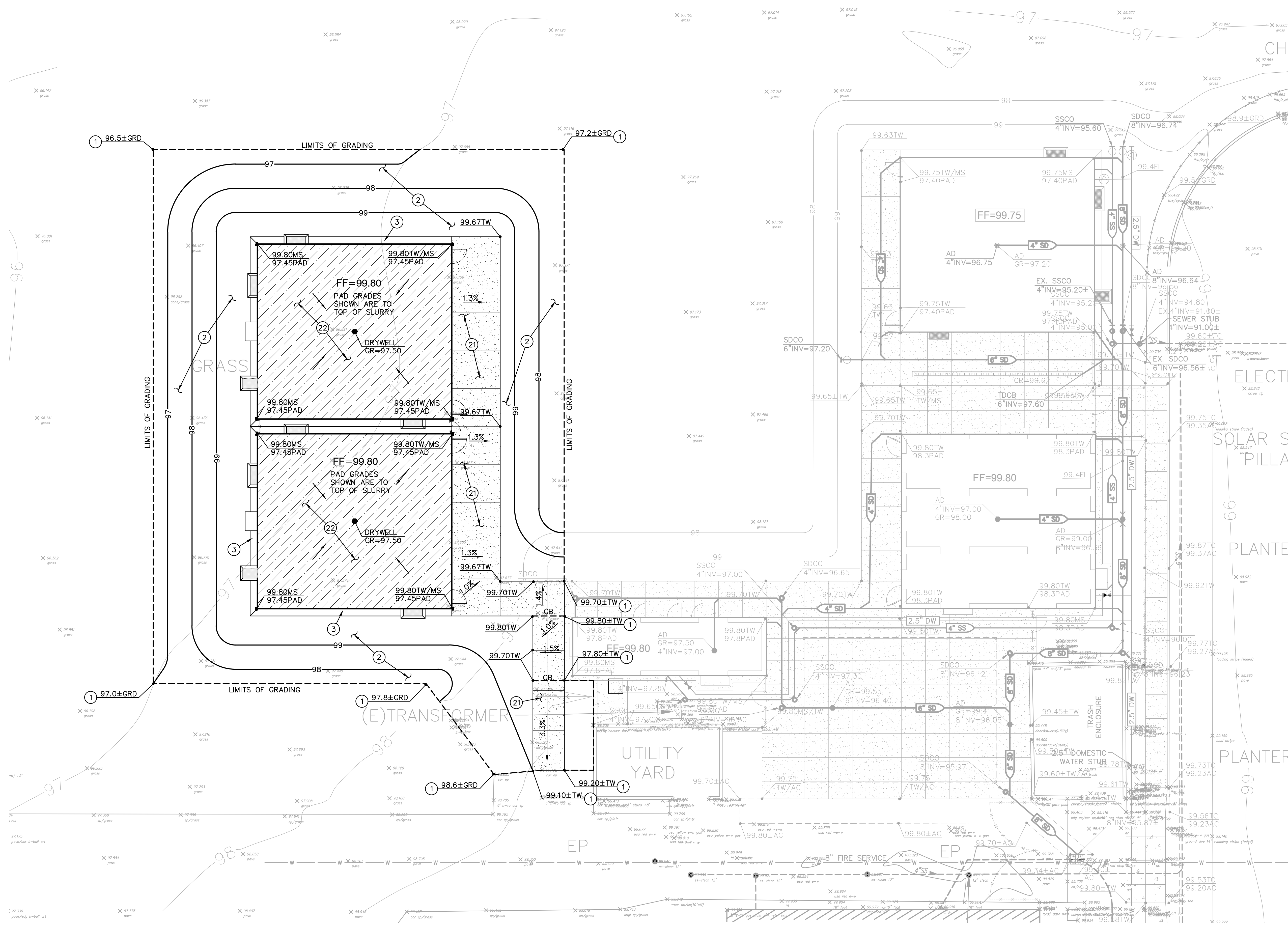
DATE: 1/16/2024
CLIENT PROJ NO: 3595005000
SHEET:

C1.1

ADDENDUM "A"



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BASED ON THE FOLLOWING DATA:
DATE: 03/12/2025



SUBGRADE PREPARATION

FOLLOWING SITE DEMOLITION ACTIVITIES:

EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 12 INCHES. MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY THE ASTM D1557 TEST METHOD. UPPER 12 INCHES OF SUBGRADE SUPPORTING ASPHALT AND CONCRETE PAVEMENT SHALL BE COMPACTED TO 95 PERCENT.

PAVING GENERAL NOTE

PAVING ADJACENT TO BUILDINGS ARE TO SLOPE 1% MINIMUM AWAY FROM THE BUILDING. WHERE CROSS SLOPE OCCURS ON PATH OF TRAVEL, SLOPE CANNOT EXCEED 2%.

- GRADING NOTES**
1. MATCH EXISTING GRADE/ELEVATION.
 2. PLACE SOD IN ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES THAT ARE NOT TO BE PAVED. PROVIDE NEW IRRIGATION PIPING/SPRINKLERS AS REQUIRED TO MAINTAIN PROPER COVERAGE.
 3. CONSTRUCT 18" WIDE CONCRETE BAND AT BUILDING PER C2.1

PAVING LEGEND

TYPE 21 PAVING
PLACE 5" PCC WITH #4 REBAR @ 24" O.C.E.W. OVER 16" CLASS II AB ON SUBGRADE COMPACTED PER THIS SHEET AND SPECIFICATION SECTION 310000.

TYPE 22 PAVING
PLACE 2" THICK 3-SACK CONCRETE SLURRY SLAB AT MODULAR CRAWL SPACE.

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KEYNOTES

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TRACY, CA 95376

PROJECT:
POET-CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
GRADING AND PAVING PLAN

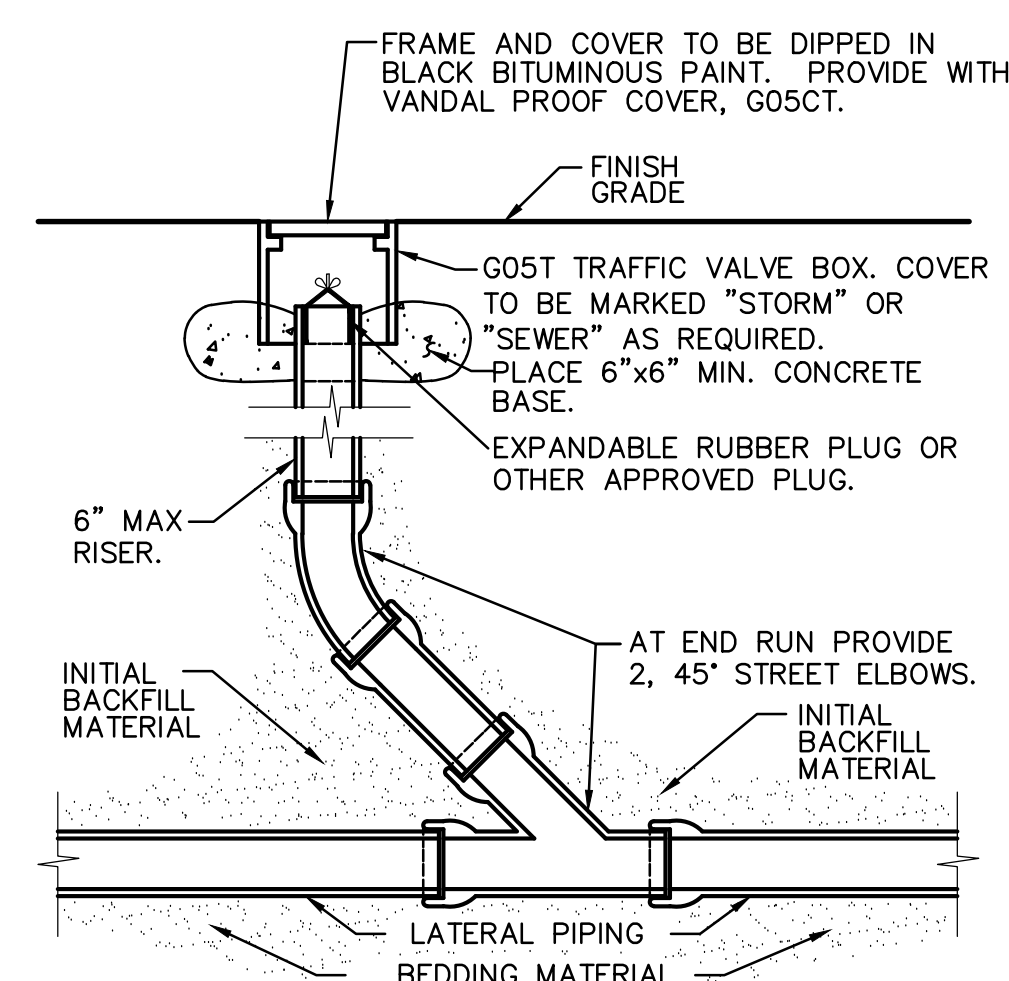
CONSTRUCTION DOCUMENTS

DATE: 1/16/2024 CLIENT PROJ NO: 3595005000

SHEET:

C2.1

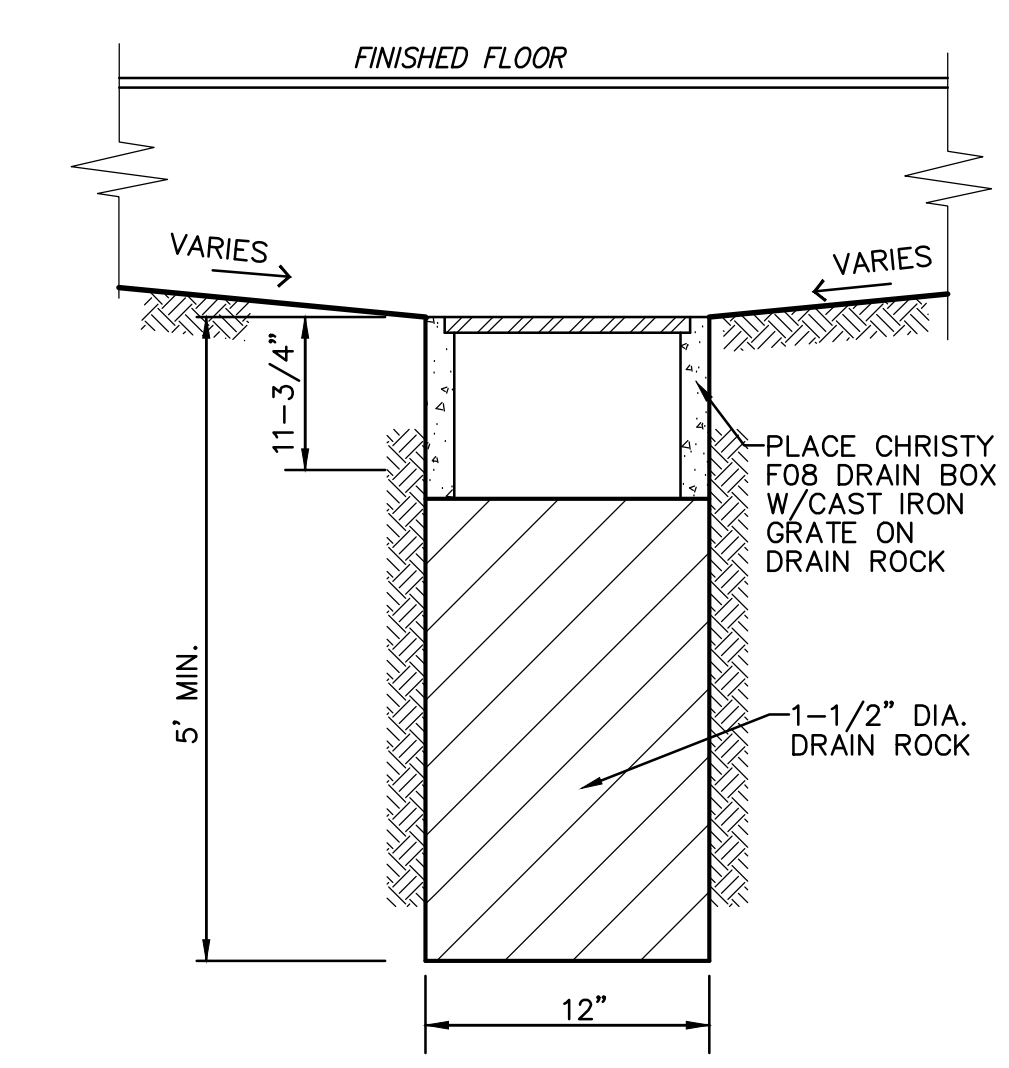
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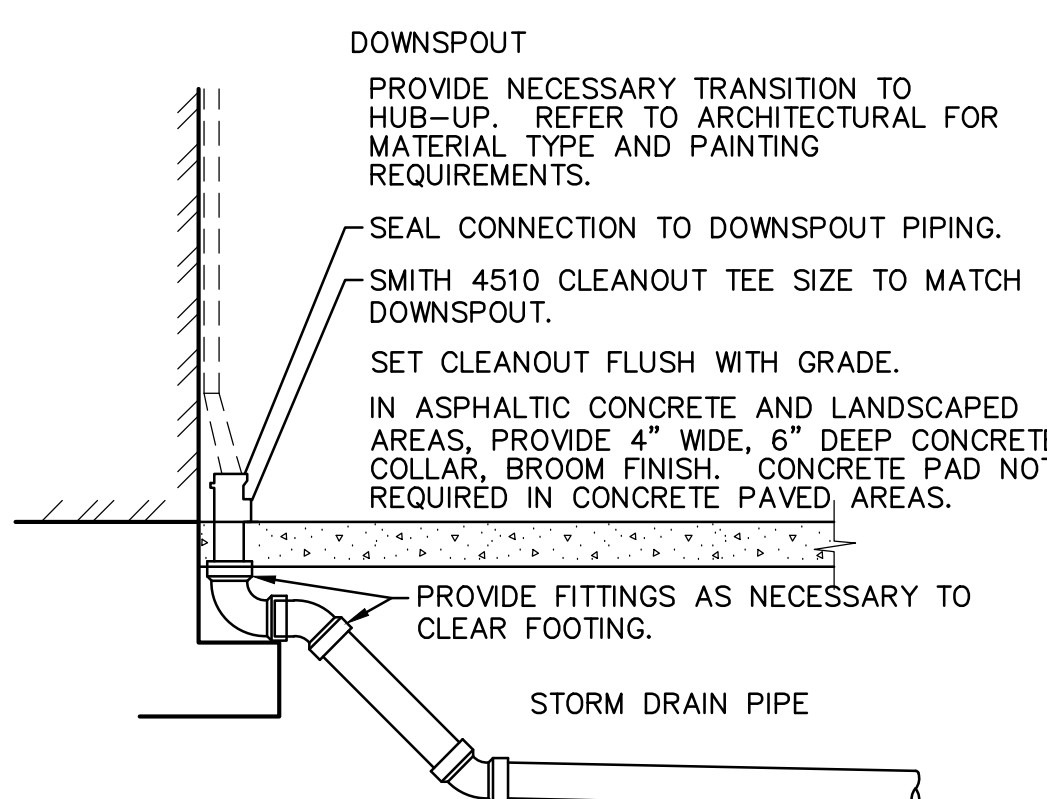
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C3.1

CLEANOUT

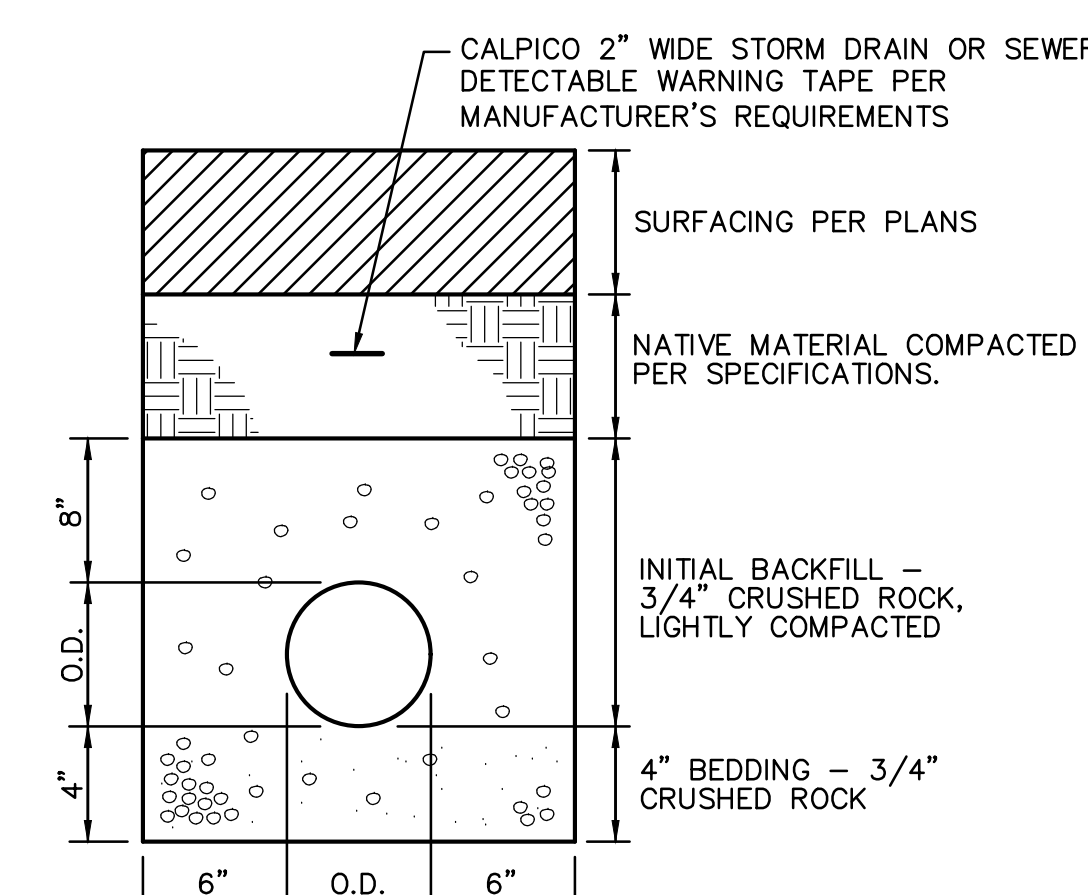
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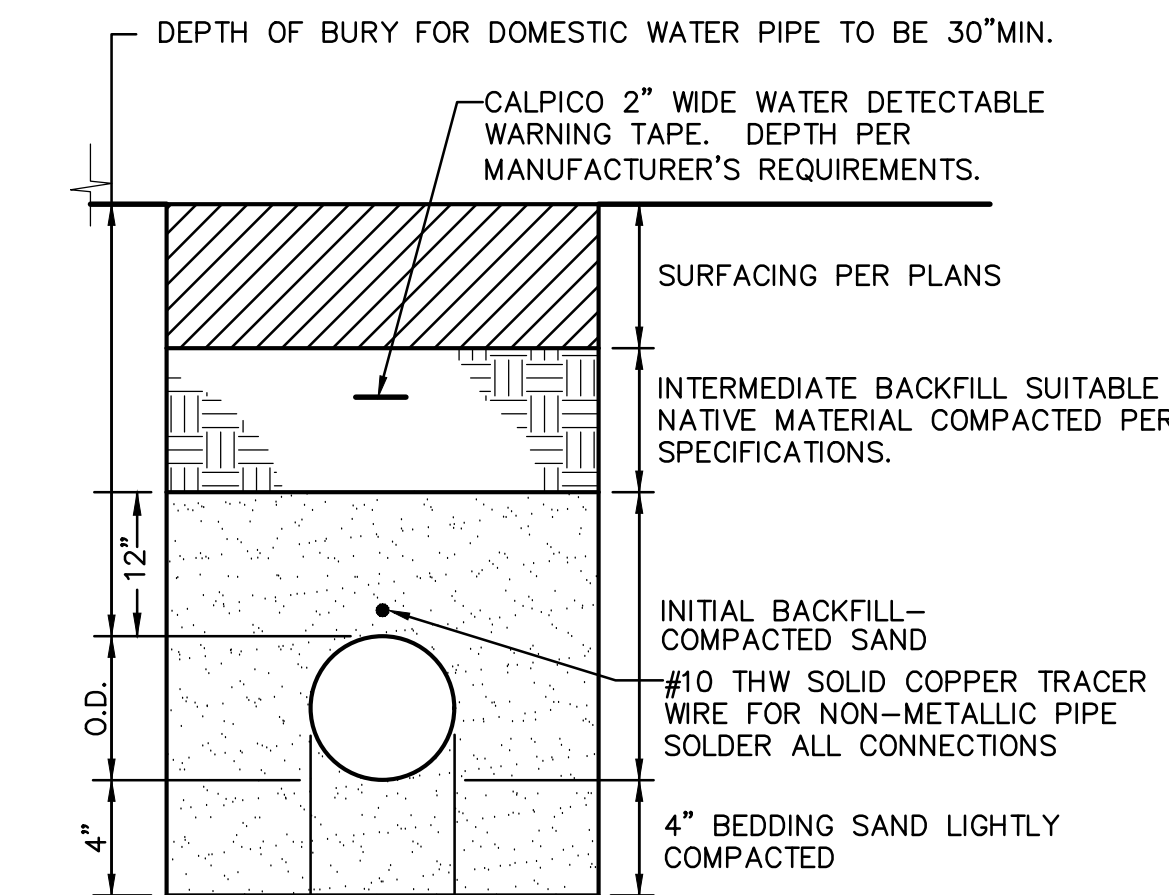
2 DRYWELL
C.3.1 NO SCALE



3 DOWNSPOUT CONNECTION



SEWER AND
STORM DRAIN TRENCH

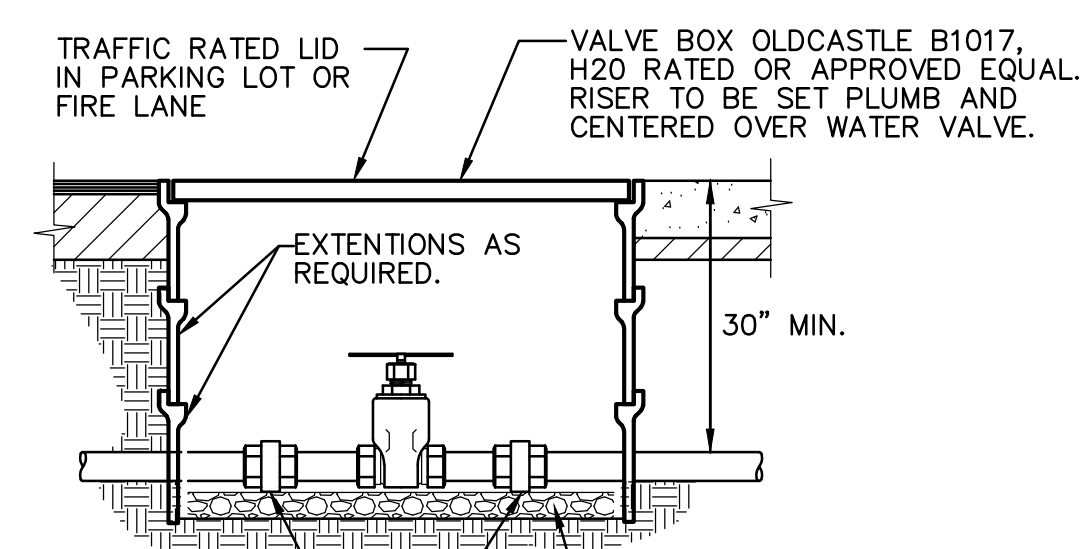


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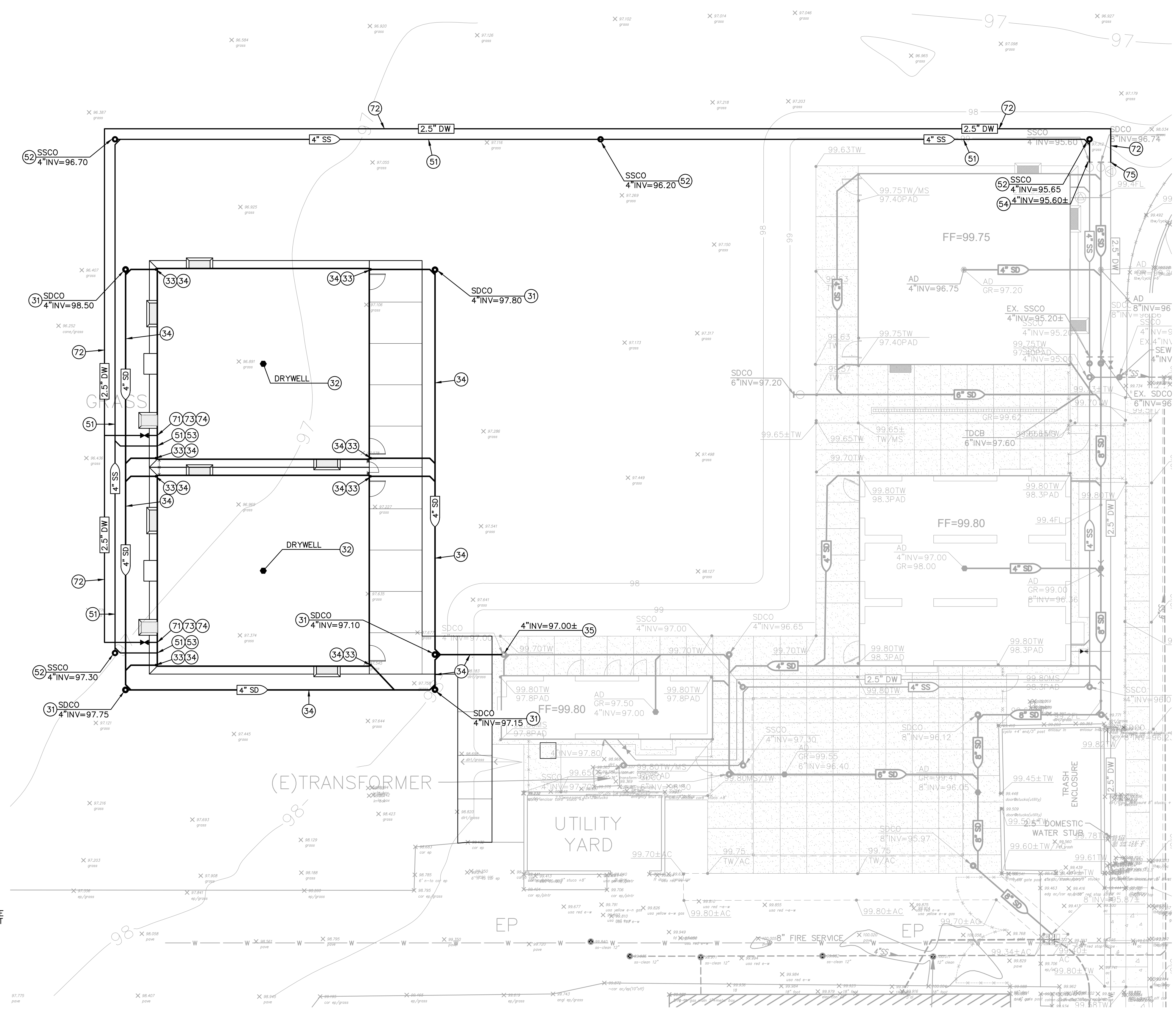
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WATER TRENCH

NO SCALE



6	WATER VALVE
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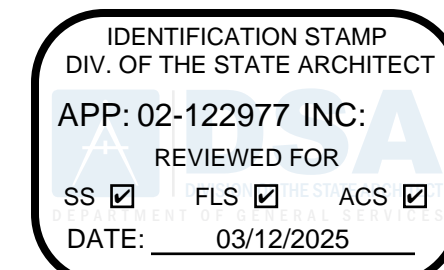


- ## DRAINAGE NOTES
31. CONSTRUCT STORM DRAIN CLEANOUT PER 1
C3.1
 32. CONSTRUCT DRYWELL PER 2
C3.1
 33. PROVIDE DOWNSPOUT CONNECTION PER 3
C3.1
 34. PLACE 4" STORM DRAIN PER 4
C3.1
- CONNECT TO EXISTING STORM DRAIN. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

- ## SEWER NOTES
51. PLACE 4" SEWER PER 4
C.3.1
 52. CONSTRUCT SEWER CLEANOUT PER 1
C.3.1
 53. CONNECT TO BUILDING SEWER SERVICE. COORDINATE EXACT LOCATION AND DEPTH AT BUILDING PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
 54. CONNECT TO EXISTING SEWER. FIELD VERIFY EXACT DEPTH, AND LOCATION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

- ## DOMESTIC WATER NOTES
71. PLACE 2" WATER PIPE PER 5
C3.1
 72. PLACE GATE VALVE AND VALVE BOX. SIZE TO MATCH LINE SIZE. 6
C3.
 74. CONNECT TO BUILDING DOMESTIC WATER SERVICE. COORDINATE EXACT LOCATION AND DEPTH AT BUILDING PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
 75. CONNECT TO EXISTING WATER LINE. FIELD VERIFY EXACT DEPTH AND LOCATION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

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KEYNOTES

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PROJECT:
POET-CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

UTILITY PLAN

CONSTRUCTION DOCUMENTS

DATE: 1/16/2024

CLIENT PROJ NO: 3595005000

SHEET:

C3.1

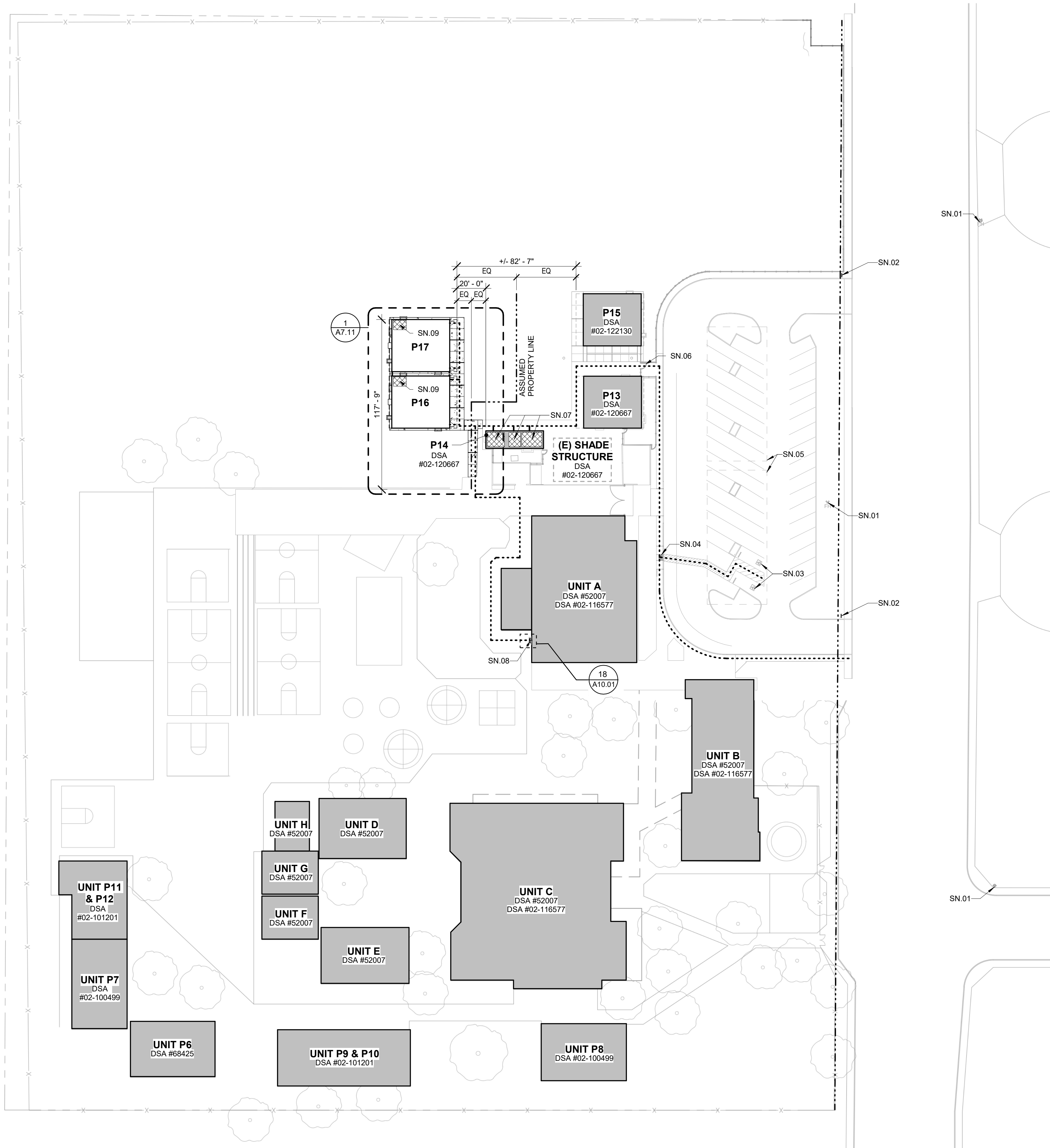
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THE LINE SHOWN ABOVE IS
FOR INFORMATION ONLY AND
DOES NOT REPRESENT A
PROPERTY LINE OR A
BOUNDARY LINE.

PORTABLE ASSITIVE LISTENING SYSTEM REQUIREMENTS

TOTAL CLASSROOMS 2 x 3 RECEIVERS = 6 RECEIVERS, BOTH REQUIRE TO BE HEARING AID COMPATIBLE IN EACH CLASSROOM SO TOTAL NUMBER OF AL RECEIVERS THAT ARE HEARING AID COMPATIBLE = 4



LEGEND

- X NEW BUILDINGS
- X EXISTING BUILDINGS
- X FUTURE BUILDINGS
- CONCRETE WALK / PAVING
- (E) ACCESSIBLE RESTROOMS
- PROPERTY LINE
- (E) CHAIN LINK FENCE
- (E) FIRE HYDRANT
- ACCESSIBLE PATH OF TRAVEL (SEE DEFINITION ON THIS SHEET)

ACCESSIBLE PATH OF TRAVEL

PATH OF TRAVEL (P.O.T.) AS INDICATED, IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE EXCEPT LEVEL CHANGES THAT DO NOT EXCEED 1/4" VERTICAL. THE PATH OF TRAVEL IS AT LEAST 48" WIDE WITH SLIP RESISTANT SURFACE, STABLE, FIRM AND SMOOTH. GROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. THE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTION TO 80" A.F.F. MINIMUM AND WALL MOUNTED OBJECTS WITH THE BOTTOM EDGE BETWEEN 27" AND 80" A.F.F. SHALL PROTRUDE NO MORE THAN 4" INTO THE PEDESTRIAN CIRCULATION AREA. ARCHITECT TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC 11B-202.4.

EXISTING PATH OF TRAVEL (ARCHITECT'S STATEMENT)

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE IN CHARGE STATEMENT: THE P.O.T. IDENTIFIED IN THESE DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS, AS PART OF THE DESIGN OF THIS PROJECT. THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NON-COMPLIANT.

- 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 NON-COMPLIANT ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

EXISTING PARKING CALCULATIONS

TOTAL EXISTING PARKING STALL COUNT:	47 STALLS
REQUIRED ACCESSIBLE STALLS (PER TABLE 11B-208.2)	2 (26-50 TOTAL STALLS)
REQUIRED VAN ACCESSIBLE STALLS	1 (1-6 ACCESSIBLE STALLS)
EXISTING ACCESSIBLE STALLS PROVIDED	1 STANDARD & 1 VAN

BUILDING DATA AND CODE ANALYSIS

BLDG.	OCCUPANCY	CONSTRUCTION TYPE	OCC. LOAD	ALLOWABLE AREA (S.F.)	ACTUAL AREA (S.F.)
P16	E	V-B, NON-SPRINKLERED	1,440 S.F. / 20 NET = 72 OCC.	9,500	BLDG: 1,440 OVERHANG: 270 TOTAL: 1,710
P17	E	V-B, NON-SPRINKLERED	1,440 S.F. / 20 NET = 72 OCC.	9,500	BLDG: 1,440 OVERHANG: 270 TOTAL: 1,710
TOTAL:			72 OCC.		TOTAL: 3,420 S.F. < 9,500 S.F. = OK

EMERGENCY RESPONDER RADIO COVERAGE

NEW BUILDINGS SHALL BE PROVIDED WITH EMERGENCY RESPONDER RADIO COVERAGE IN ACCORDANCE WITH CALIFORNIA FIRE CODE SECTION 510. THE PROJECT ARCHITECT (AOR) SHALL CONTACT THE LOCAL FIRE DEPARTMENT AND/OR EMERGENCY COMMUNICATIONS AUTHORITY TO OBTAIN DESIGN, EQUIPMENT SPECIFICATIONS, TESTING AND ACCEPTANCE CRITERIA, PLANS AND REQUEST DOCUMENTATION SHALL BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL UPON COMPLETION. COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS, TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT.

SEE OTHER SHEETS FOR CONSTRUCTION

THIS PLAN INCLUDES CODE INFORMATION ONLY, INCLUDING ACCESSIBLE FEATURES ALONG THE PATH OF TRAVEL. REFER TO OTHER SHEETS FOR SITE CONSTRUCTION DETAILS.

SITE PLAN AND CODE ANALYSIS

1
1" = 40'-0"

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GENERAL NOTES

- CONTRACTOR SHALL PROVIDE TEMPORARY FENCING DURING CONSTRUCTION TO SECURE ENTIRE AREA OF WORK.
- CONTRACTOR SHALL COMPLY WITH 2019 CALIFORNIA FIRE CODE CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION, THROUGHOUT THE ENTIRE PROJECT.
- FENCE GRAPHICS AS SHOWN IN THE LEGEND ARE SCHEMATIC. ACTUAL FENCE POST LOCATIONS ARE TO BE COORDINATED BY THE CONTRACTOR.
- PROVIDE 3/4" CHAMFER AT EXPOSED EDGES OF CONCRETE, UNLESS OTHERWISE INDICATED.

SHEET NOTES

- SN.01 (E) FIRE HYDRANT
- SN.02 INSTALL TOW AWAY SIGN PER DETAIL 15 & 16/A10.01
- SN.03 (E) ACCESSIBLE PARKING PER DSA #02-120667
- SN.04 (E) ACCESSIBLE CURB RAMP PER DSA #02-120667
- SN.05 (E) SOLAR ARRAY STRUCTURE PER DSA #02-118908
- SN.06 (E) ACCESSIBLE PEDESTRIAN GATE WITH PANIC HARDWARE PER DSA #02-120667
- SN.07 (E) ACCESSIBLE BOYS, GIRLS, AND STAFF RESTROOMS PER DSA #02-120667
- SN.08 NOT USED
- SN.09 ACCESSIBLE STUDENT RESTROOM
- SN.10 REMOVE EXISTING DUAL HEIGHT DRINKING FOUNTAIN AND REPLACE W/ 'ELKAY' E2H20 VANDAL-RESISTANT, MECHANICAL BOTTLE FILLING STATIONS AND BLEVEL COOLER, NON-FILTERED, NON-REFRIGERATED S.S. MODEL VRCTLDOWSK, MECH. LEFT HAND' AT SAME LOCATION. REMOVE AND PATCH EXISTING CEMENT PLASTER AS REQUIRED FOR THE INSTALL. OF THE NEW BOTTLE FILLER STATION AND BLEVEL COOLER. SEE DETAILS 18, 19 & 20 ON A10.01

FACILITY:

POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

SITE PLAN AND CODE INFORMATION

CONSTRUCTION DOCUMENTS

DATE: 02/23/24

CLIENT PROJ NO: 3595005000

SHEET:

A1.11
ADDENDUM "A"

PLEASE RECYCLE

Autodesk Docs/3595005000 TUSD TK CLASSROOMS 2025 R22/3595005000-A-TUSD-POET CHRISTIAN-SITE.rvt 1/31/2025 6:16:07 AM

THE LINE SHOWN ABOVE IS FOR
CONSTRUCTION PURPOSES ONLY
SHEET'S ORIGINAL PAGE SIZE

LEGEND

X

NEW BUILDINGS

X

EXISTING BUILDINGS

CONCRETE WALK / PAVING

EXPANSION JOINT
(20'-0" MAX. SPACING)

CONTROL JOINT
(10'-0" MAX. SPACING)

(E) CHAINLINK FENCE

CHAINLINK FENCE

AGENCY
APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122977 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 03/12/2025



HMC Architects

3595005000

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

ISSUE

DESCRIPTION	DATE
ADDENDUM "A"	3/20/25

KEYNOTES

- 32.090 CHAIN LINK FENCE, SEE DETAIL 7 / A10.01
32.091 CHAIN LINK GATE, SEE DETAIL 6 / A10.01

GENERAL NOTES

- CONTRACTOR SHALL PROVIDE TEMPORARY FENCING DURING CONSTRUCTION TO SECURE ENTIRE AREA OF WORK.
- CONTRACTOR SHALL COMPLY WITH 2019 CALIFORNIA FIRE CODE CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION, THROUGHOUT THE ENTIRE PROJECT.
- FENCE GRAPHICS AS SHOWN IN THE LEGEND ARE SCHEMATIC. ACTUAL FENCE POST LOCATIONS ARE TO BE COORDINATED BY THE CONTRACTOR.
- PROVIDE 3/4" CHAMFER AT EXPOSED EDGES OF CONCRETE, UNLESS OTHERWISE INDICATED.

SHEET NOTES

- SN.01 CONCRETE APRON
SN.02 1'-6"x4" FOUNDATION VENT WITH GRATE PER DETAIL 2/S1.4
SN.03 2'x3' ACCESS VENT WITH GRATE PER DETAIL 1/S1.5
SN.04 HVAC UNIT
SN.05 ROOF OVERHEAD, SHOWN DASHED
SN.06 CHAINLINK FENCE, SEE
SN.07 (E) CONCRETE PAVING
SN.08 (E) CHAINLINK FENCE

FACILITY:

POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

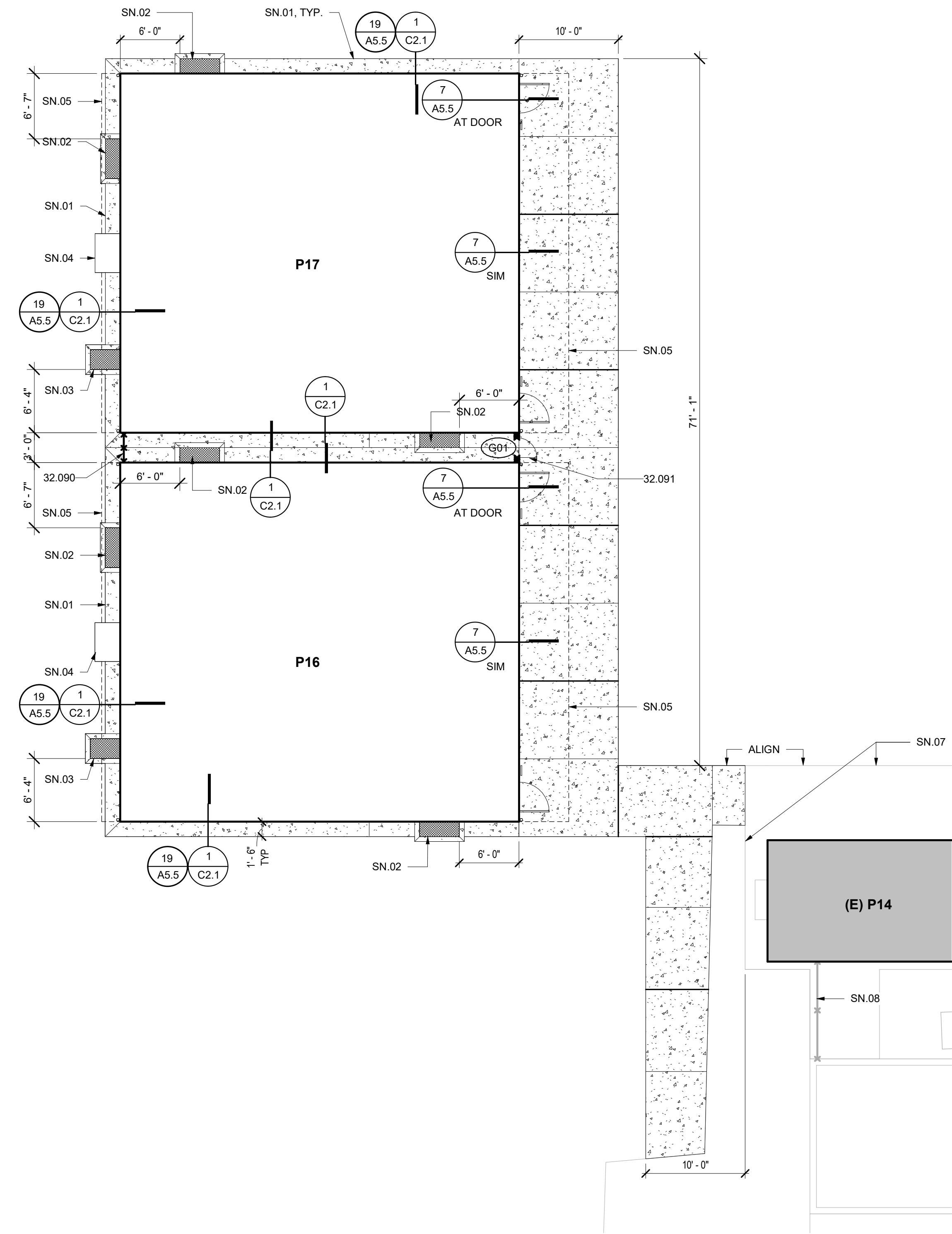
ENLARGED SITE PLAN AND SITE DETAILS

CONSTRUCTION DOCUMENTS

DATE: 02/23/24	CLIENT PROJ NO: 3595005000
SHEET:	

GATE SCHEDULE

GATE NO.	TYPE	PAIR	Width	Height	NOTES
G01	Gate 2		2'-0"	6'-0"	SEE DETAIL 6/A10.01

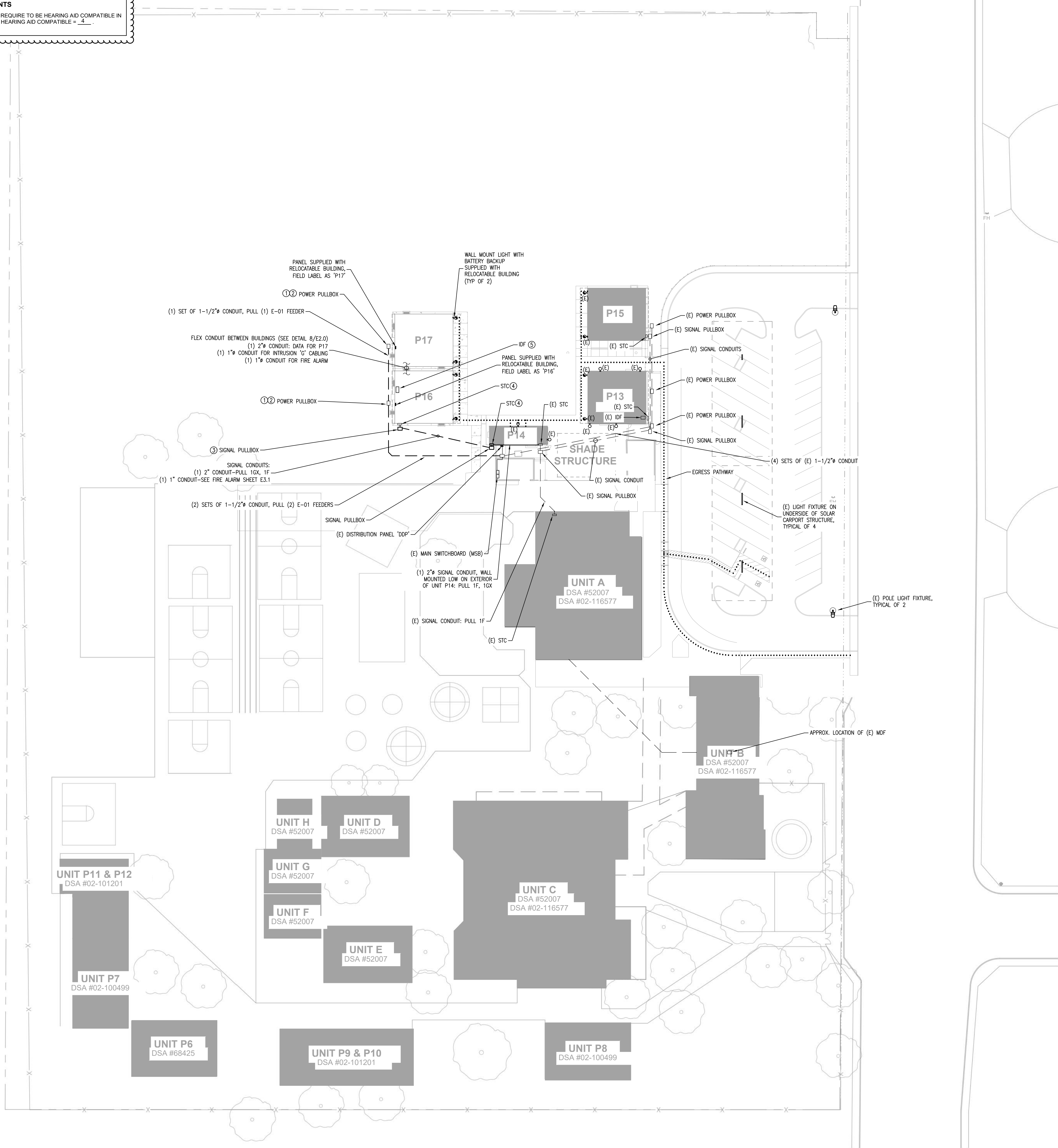


ENLARGED SITE PLAN

1
1/8" = 1'-0"

12/12/2023 4:48:53 PM
FILE NAME: 2023-12-12 15:48:53 PM
PROJECT: POET-CHRISTIAN ELEMENTARY SCHOOL
SHEET: 03/03/2025
SHEET: 03/03/2025
SHEET: 03/03/2025

PORTABLE ASSISTIVE LISTENING SYSTEM REQUIREMENTS
TOTAL CLASSROOMS 2 x 3 RECEIVERS = 6. RECEIVERS BOTH REQUIRE TO BE HEARING AID COMPATIBLE IN EACH CLASSROOM SO TOTAL NUMBER OF AL RECEIVERS THAT ARE HEARING AID COMPATIBLE = 4.



A POWER & SIGNAL - SITE PLAN
SCALE: 1/32"=1'-0"



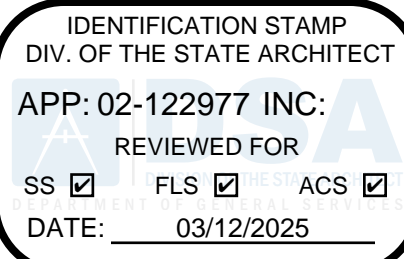
SHEET NOTES:

- (E) EXISTING
(N) NEW
(R) RELOCATED
(D) DEMO
- ALL EQUIPMENT AND POWER/CABLES/ CONDUIT SHOWN ARE (N) AND CONTRACTOR FURNISHES-CONTRACTOR INSTALLED (CFO) U.O.N.
- ALL UNDERGROUND CONDUIT SHALL BE PVC U.O.N. AND HAVE A MINIMUM BURIAL DEPTH PER CEC TABLE 300.5
- PULL BOX LOCATIONS ARE DIAGRAMMATIC AND NOT DIMENSIONED. LOCATE NEW PULL BOXES IN CLOSEST UNOCCUPIED AREA WHEREVER POSSIBLE. COORDINATE WITH LANDSCAPE ARCHITECT
- PULL BOXES FOR POWER DISTRIBUTION SHALL BE TYPE 30 MINIMUM I.D. SHALL BE ENGRAVED "POWER", U.O.N. REFER TO POWER ONE-LINE DIAGRAM FOR FEEDER REQUIREMENTS
- PULL BOXES FOR SIGNAL SYSTEMS DUCT BANK SHALL BE MIN. N16. I.D. SHALL BE ENGRAVED "SIGNAL"
- PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS
- PROVIDE CONDUIT SLEEVES INTO BUILDINGS FROM SIGNAL AND FIRE ALARM ENCLOSURES TO MATCH THE CONDUITS SERVING THE BUILDINGS
- PRIOR TO COMMENCING TRENCHING OPERATIONS, CONTACT THE UTILITIES UNDERGROUND SERVICE ALERT BUREAU AND DETERMINE THE EXACT LOCATION OF ANY EXISTING UTILITY LINES WHICH MIGHT BE DAMAGED DURING THE INSTALLATION OF THIS WORK. HAD TRENCH, BACKFILL, AND COMPACT IN AREAS OF EXISTING UTILITY LINES TO AVOID DAMAGES TO SAME.
- EXISTING EXTERIOR SITE LIGHTING SHOWN PROVIDES THE MINIMUM REQUIRED 1 FOOT-CANDLE ILLUMINATION ALONG THE EGRESS PATH TO THE PUBLIC WAY.
- ALL EQUIPMENT (INCLUDING, BUT NOT LIMITED TO, BREAKERS, CONDUIT, CONDUCTORS, PULL BOXES, GROUND RODS, ETC.) LABELED AS EXISTING, IS BASED ON RECENT PREVIOUS PROJECTS AND IS SUBJECT TO FIELD VERIFICATION BY THE CONTRACTOR. CONTRACT ENGINEER OF RECORD IN CASE OF ANY DISCREPANCIES

KEY NOTES:

- INSTALL A BUILDING GROUNDING SYSTEM USING A GROUND ROD ADJACENT THE POWER PULLBOX. INSTALL: 5/8" COPPER CLAD GROUND ROD. GROUND ROD VAULT AND COVER. THE INSPECTOR OF RECORD SHALL WITNESS AND VERIFY THE MEGGER READING OF THE RESISTANCE TO GROUND. IF THE RESISTANCE IS GREATER THAN 25 OHMS, ADD ANOTHER GROUND ROD AT LEAST 6 FEET AWAY. REFER TO GROUND ROD DETAIL 1/E2.0. THE GROUND ROD SHALL BE BONDED (VIA ROD CONDUIT AND COPPER CONDUCTORS) TO THE ELECTRICAL SERVICES AND PANELS ON THE PORTABLE BUILDING
- POWER PULLBOX, PULL FEEDER E-01 PER SCHEDULE TO PANEL IN RELOCATABLE. REFER TO DETAIL 2/E2.0 FOR POWER FEEDER CONNECTION
- NEW SIGNAL PULLBOX, PROVIDE AND CONNECT TO NEW SIGNAL TERMINAL CABINET ON THE EXTERIOR OF THE RELOCATABLE BUILDING PER DETAIL 3/E2.0
- PULL FIBER (1F) FROM (E) MDF AND PULL INTRUSION CABLE (1CX) FROM NEAREST SIGNAL TERMINAL CABINET WITH (E) INTRUSION CABLE
- CONTRACTOR SHALL FURNISH AND INSTALL THE FIBER OPTIC CABLE (1F) FROM THE NEW MDF TO THE EXISTING MDF ON CAMPUS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE EXACT LOCATION AND PATHWAY

AGENCY APPROVAL:



HMC Architects

3595005000

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SACRAMENTO, CA 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

DESCRIPTION	DATE
ADDENDUM "A"	3/20/25

OPTIMIZEDENERGY
& FACILITIES CONSULTING, INC.
5734 Lowtree Boulevard, Rocklin, CA 95765
Office: (916) 628 5518 www.oefcinc.com



FACILITY:
POET-CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE
TRACY, CA 95376

PROJECT:
POET-CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
POWER & SIGNAL
SITE PLAN

CONSTRUCTION DOCUMENTS

DATE: 03/03/2025 **CLIENT PROJ. NO.:** 3595005000
SHEET:

E1.0

ADDENDUM "A"

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- NOTE: MEASURES:**
- ① PROVIDE SPEAKER MOUNTED DOOR CONTACTS (ALL WIRE SHALL BE COVERED WITH RACEWAY) AND THE TIE INTO (E) INTRUSION SYSTEM. COORDINATE WITH ARCHITECT FOR BUILDING MANUFACTURING AND LOCATION OF ROOM SIGNAGE BY ARCHITECT
 - ② PROVIDE MOTION SENSOR AND THE TIE INTO (E) INTRUSION SYSTEM
 - ③ FURNISH AND INSTALL PROJECTOR SPEAKER (BRIGHT LIGHTS) ON THE EXTERIOR OF BUILDING FOR DISASTERS/CRISIS. COORDINATE WITH ARCHITECT, SEE DETAIL 02.04 FOR PROVIDING, AND COORDINATE POWER AND DATA CONNECTIONS WITH THE TELECOM/BUILDING MANUFACTURER
 - ④ FURNISH AND INSTALL PROJECTOR, CONTROL, AND POWER CABLES. COORDINATE POWER CONNECTION WITH THE TELECOM/BUILDING MANUFACTURER. PROVIDE DATA CABLE CONNECTION FROM PROJECTOR AND PROJECTOR CABLE TO THE CAT IN UNIT P16
 - ⑤ FURNISH AND INSTALL COMBINATION SPEAKER/CLACK INSTALL ON A RECESSED BACKBOX AT 84" AFF, WITH 1/2" DIA. HOLES FOR SPEAKER/CLACK REQUIREMENTS WITH OWNER
 - ⑥ OUTDOOR CAMERA WITH 180° COVERAGE, MOUNT ON WALL PER MANUFACTURER'S WEIGHT, APPROX. 6 IN. FIELD COORDINATE EXACT LOCATION WITH OWNER
 - ⑦ PROVIDE OUTDOOR SPEAKER INSTALLED ON SURFACE MOUNTED, NON-RESISTANT BOX AT 10' ABOVE GRADE AND THE TIE INTO (E) SPEAKER SYSTEM, COORDINATE WITH ARCHITECT AND SPEAKER MODEL, WITH OWNER

DATE: 03/03/2025	CLIENT PROJ NO: 3595005000
SHEET:	

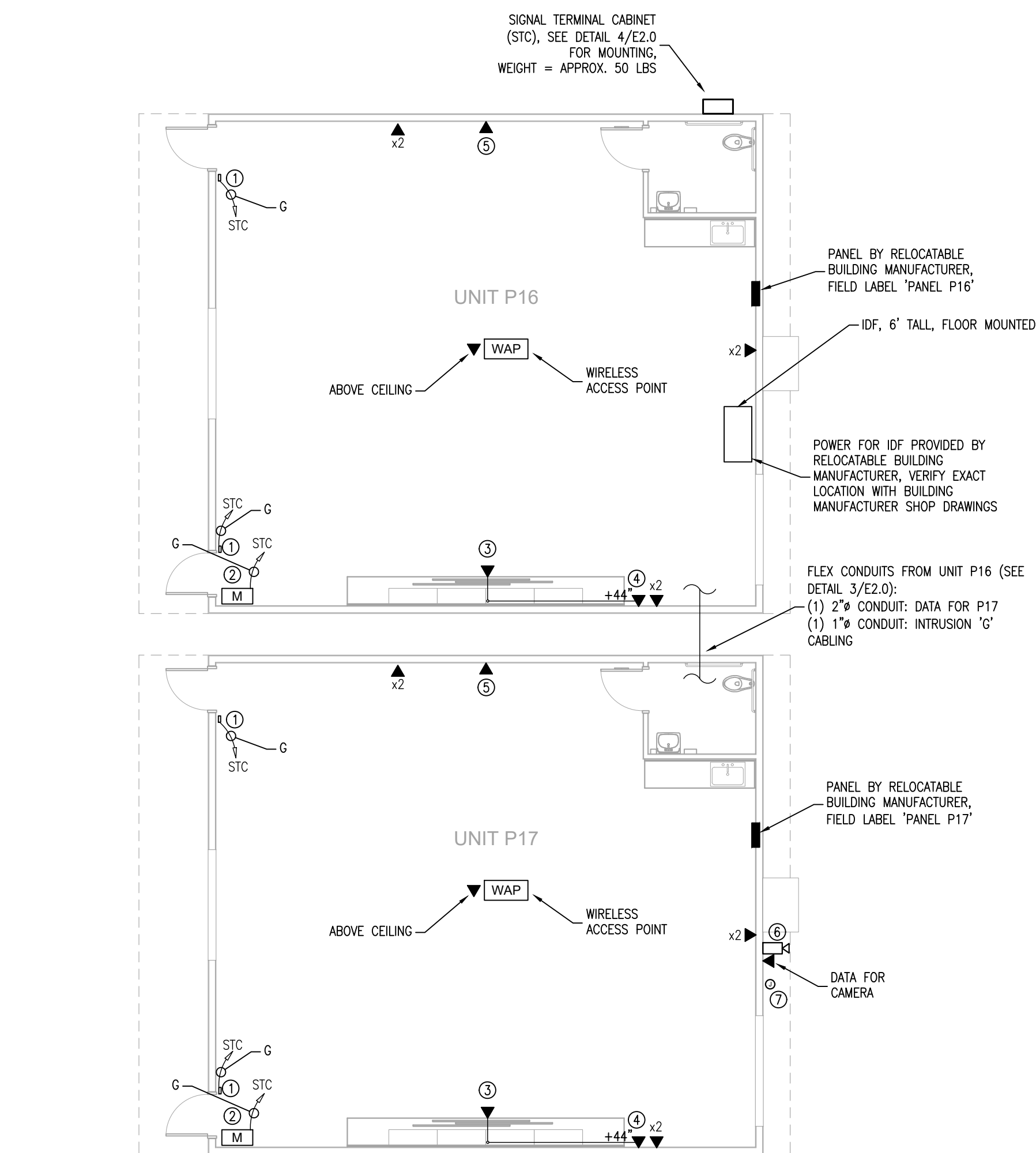


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Δ DESCRIPTION	DATE
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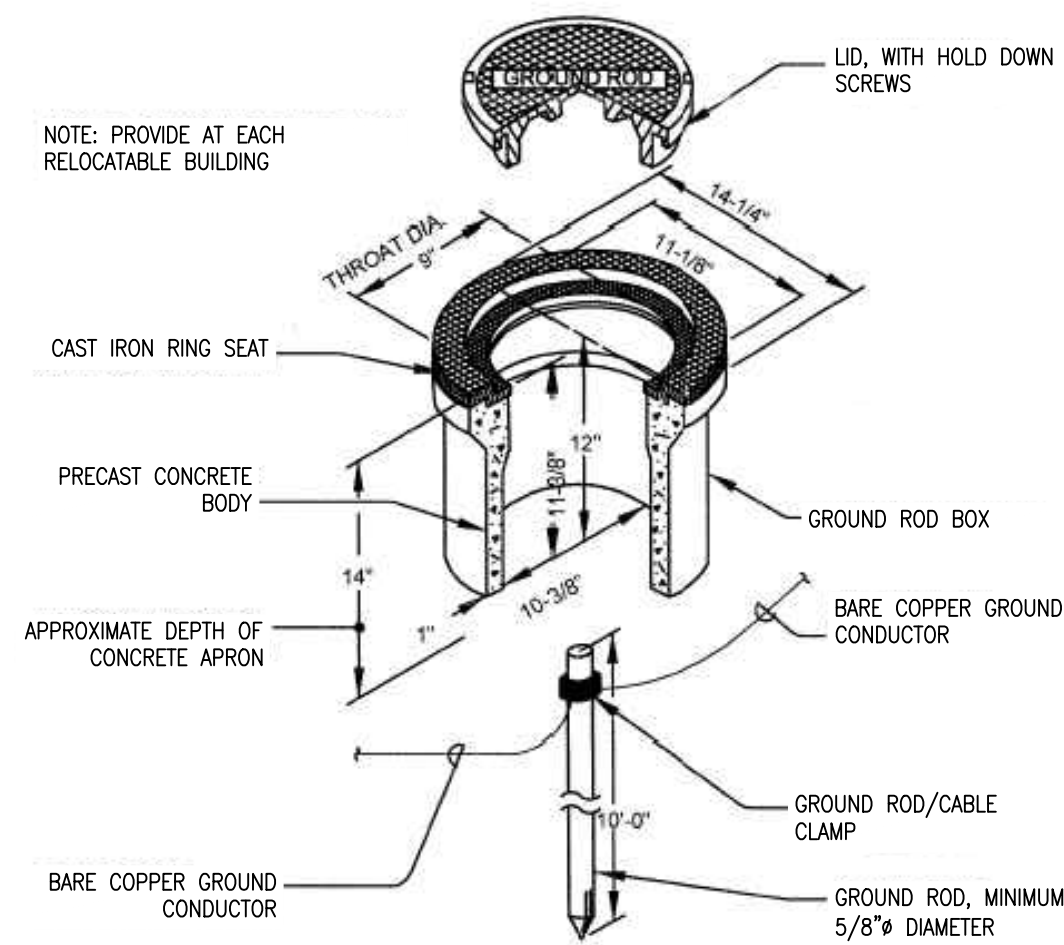
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1 SIGNAL, DATA, & INTRUSION PLAN - RELOCATABLE CLASSROOM
SCALE: 1/8"=1'-0"

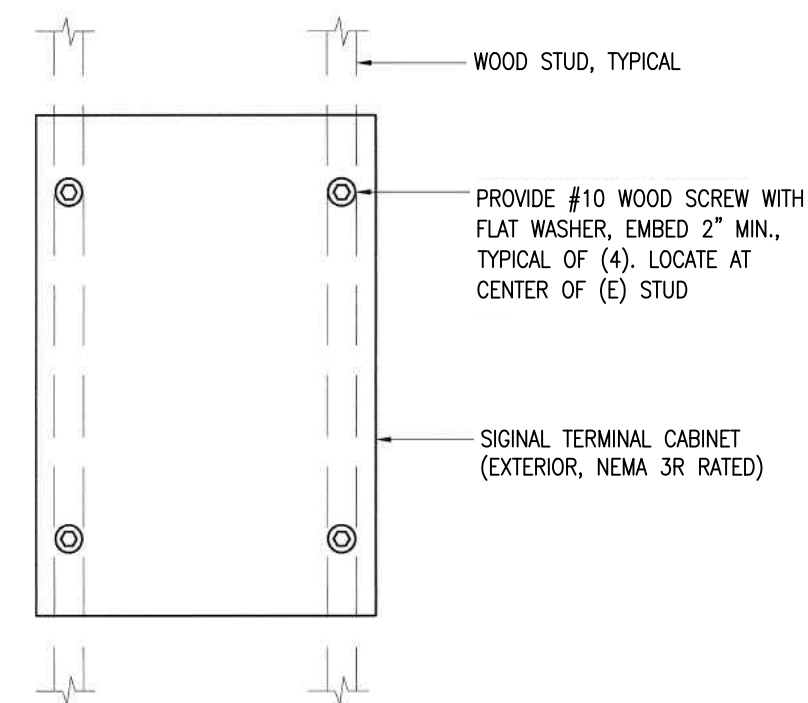


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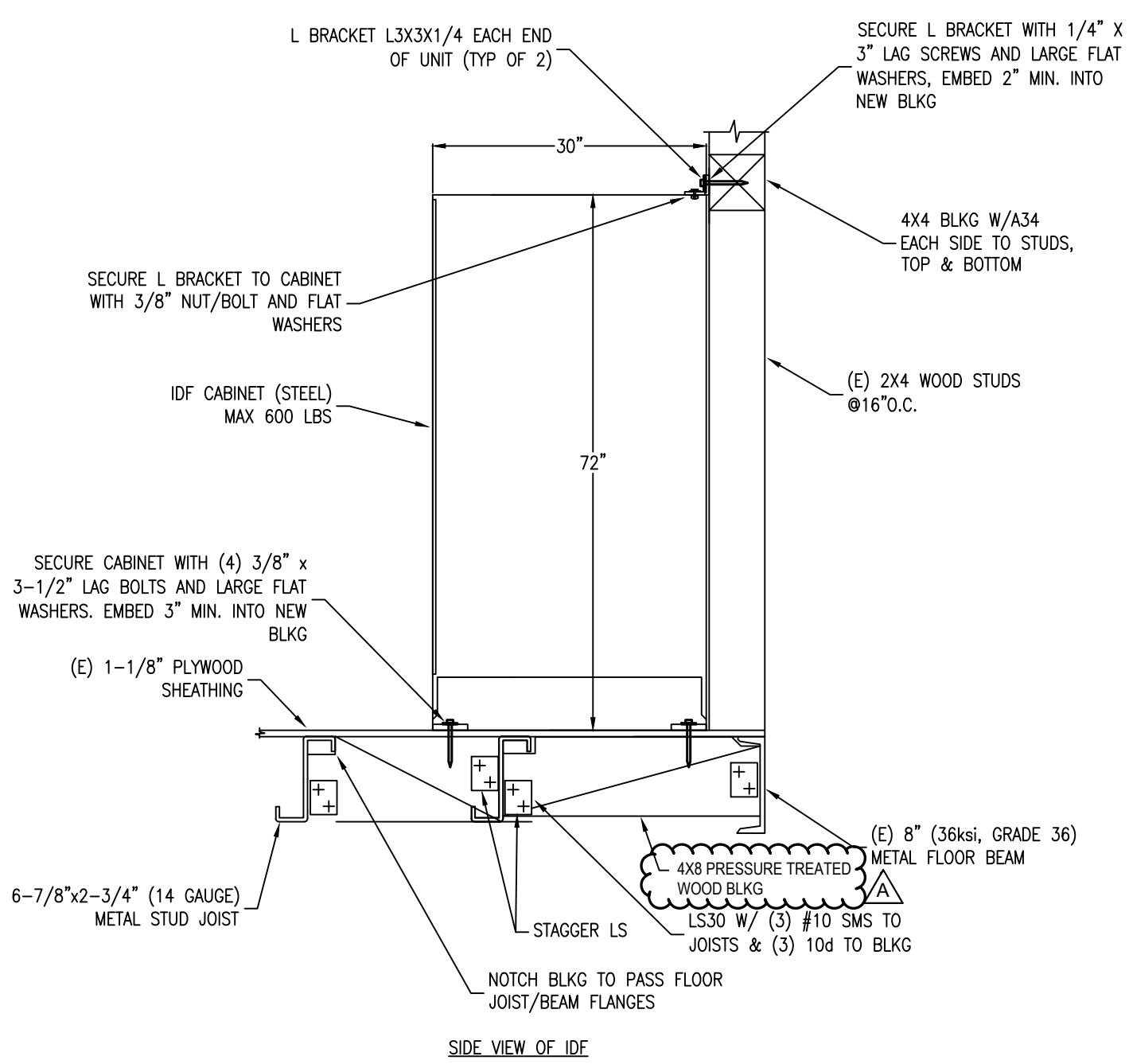
GROUND ROD INSTALLATION

1
E2.0



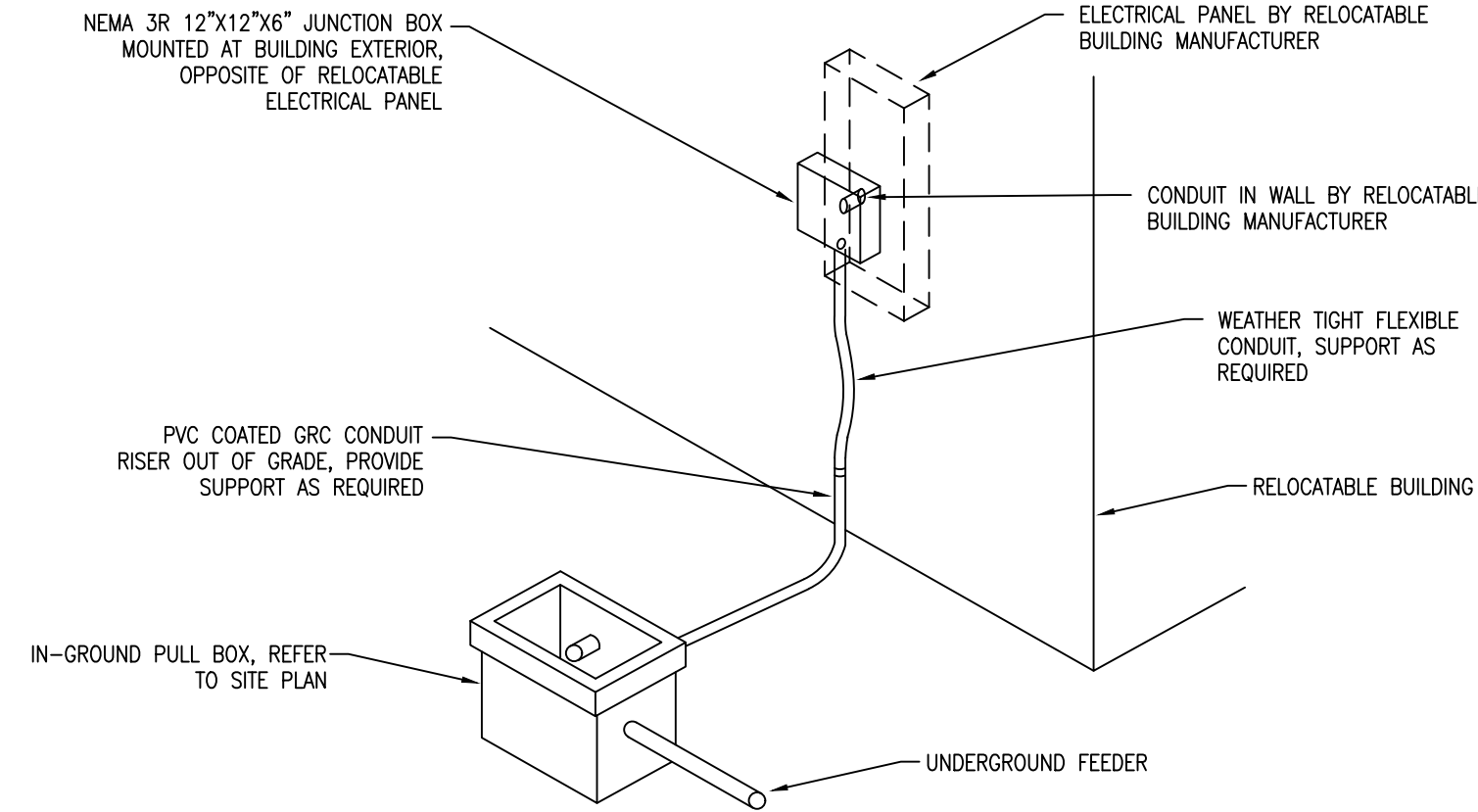
SIGNAL TERMANAL CABINET MOUNTING

4
E2.0



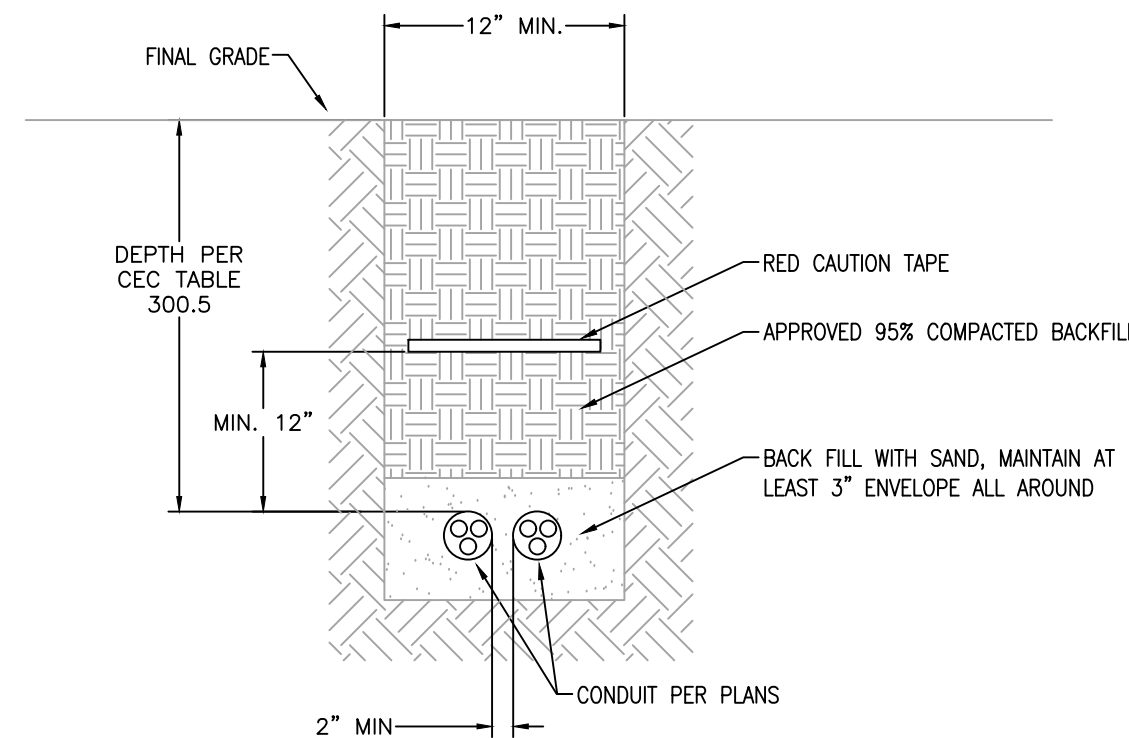
IDF CABINET MOUNTING DETAIL

7
E2.0



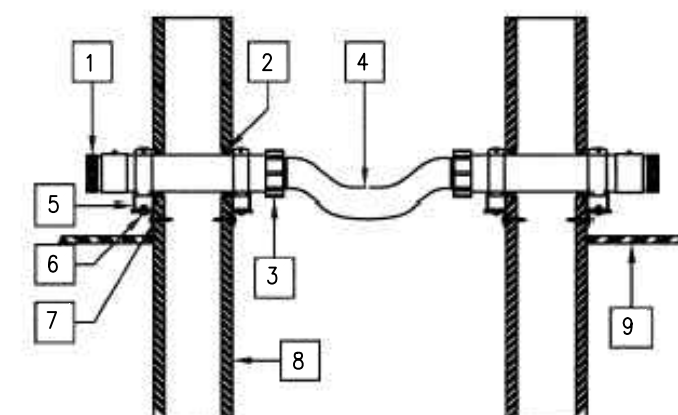
RELOCATABLE BUILDING POWER FEEDER

2
E2.0



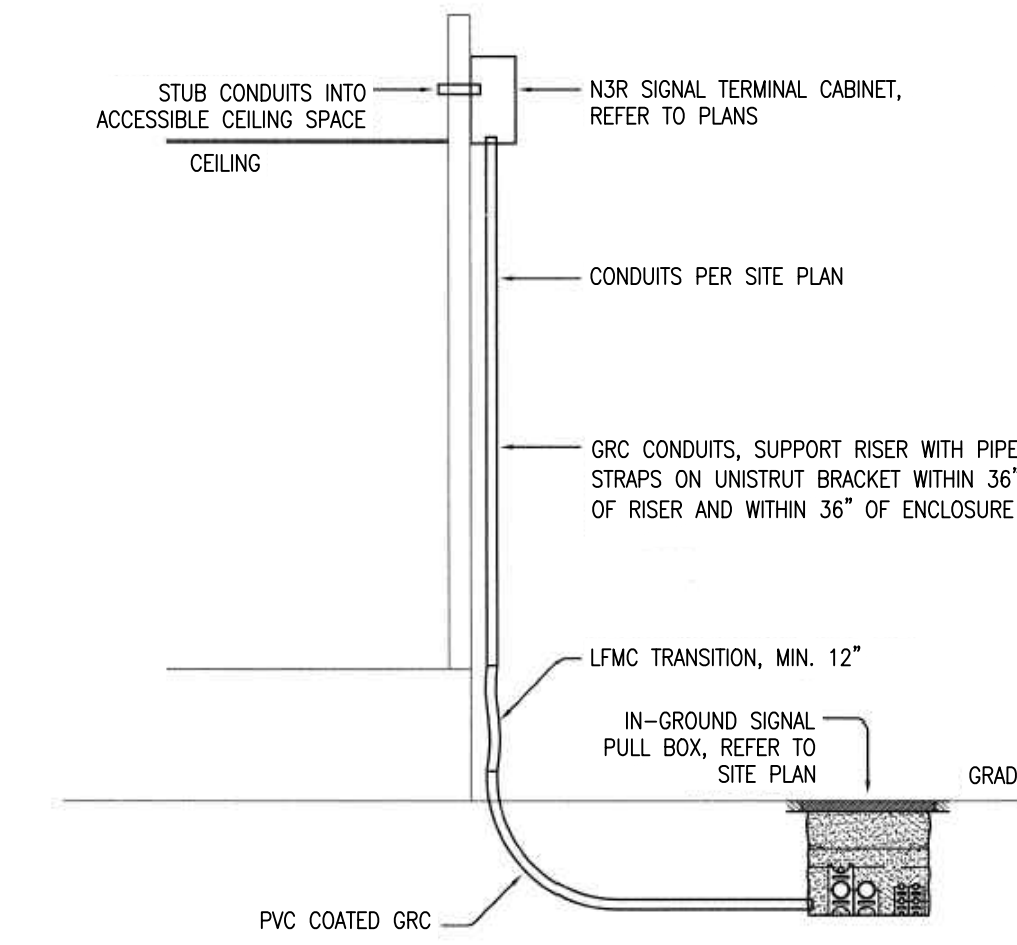
UNDERGROUND ELECTRICAL TRENCH

5
E2.0



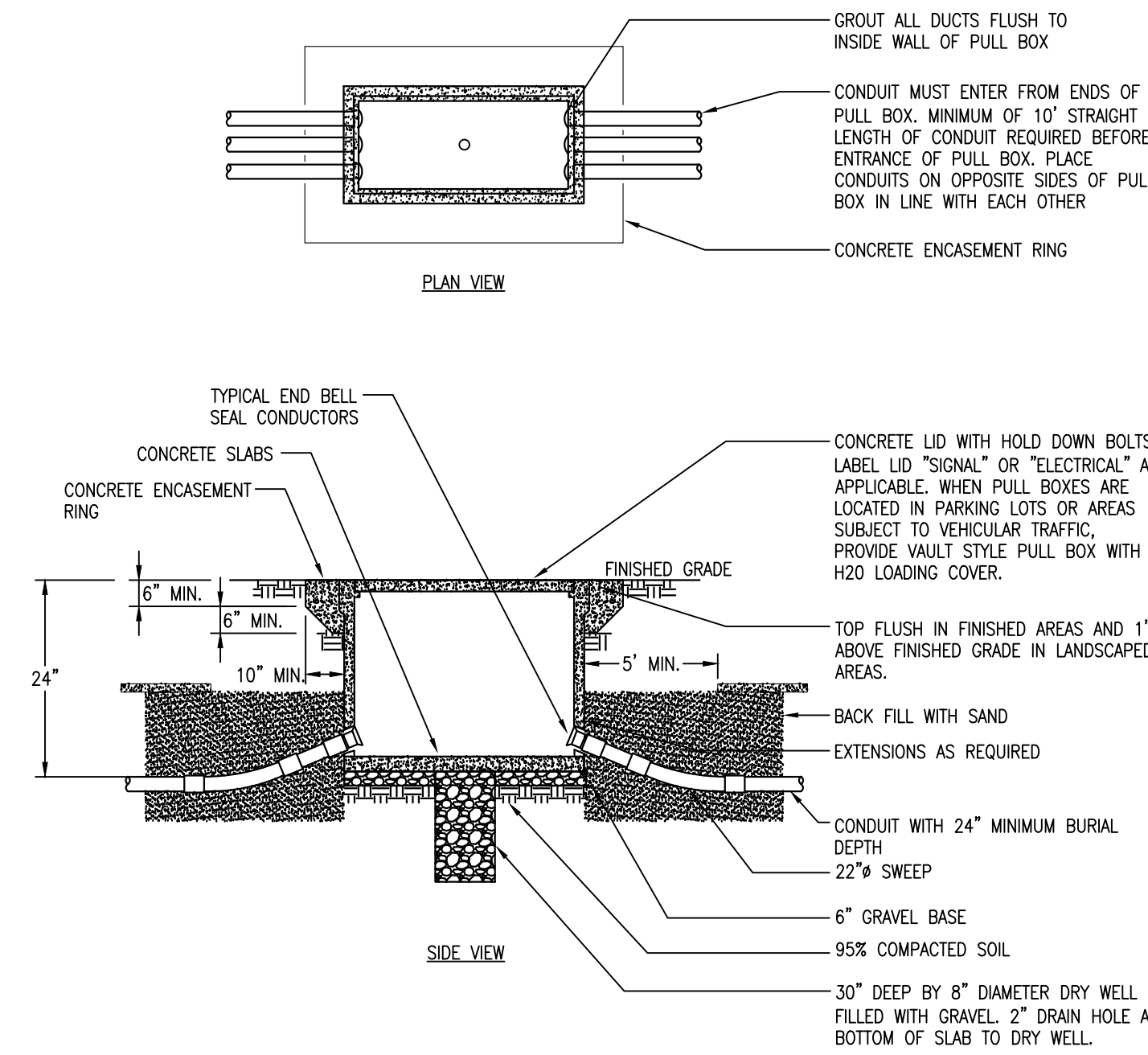
RELOCATABLE BUILDINGS CONDUIT CONNECTION

8
E2.0



RELOCATABLE BUILDING SIGNAL CONNECTION

3
E2.0



IN GROUND PULL BOX INSTALLATION

6
E2.0

AGENCY
APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122977 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 03/12/2025



HMC Architects

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SACRAMENTO, CA 95816
916 368 7990 / www.hmcarchitects.com

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5734 Lowtree Boulevard, Rocklin, CA 95765
Office: (916) 628 5518 www.oefcinc.com



FACILITY:
POET-CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE
TRACY, CA 95376

PROJECT:
POET-CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
POWER & SIGNAL
DETAILS

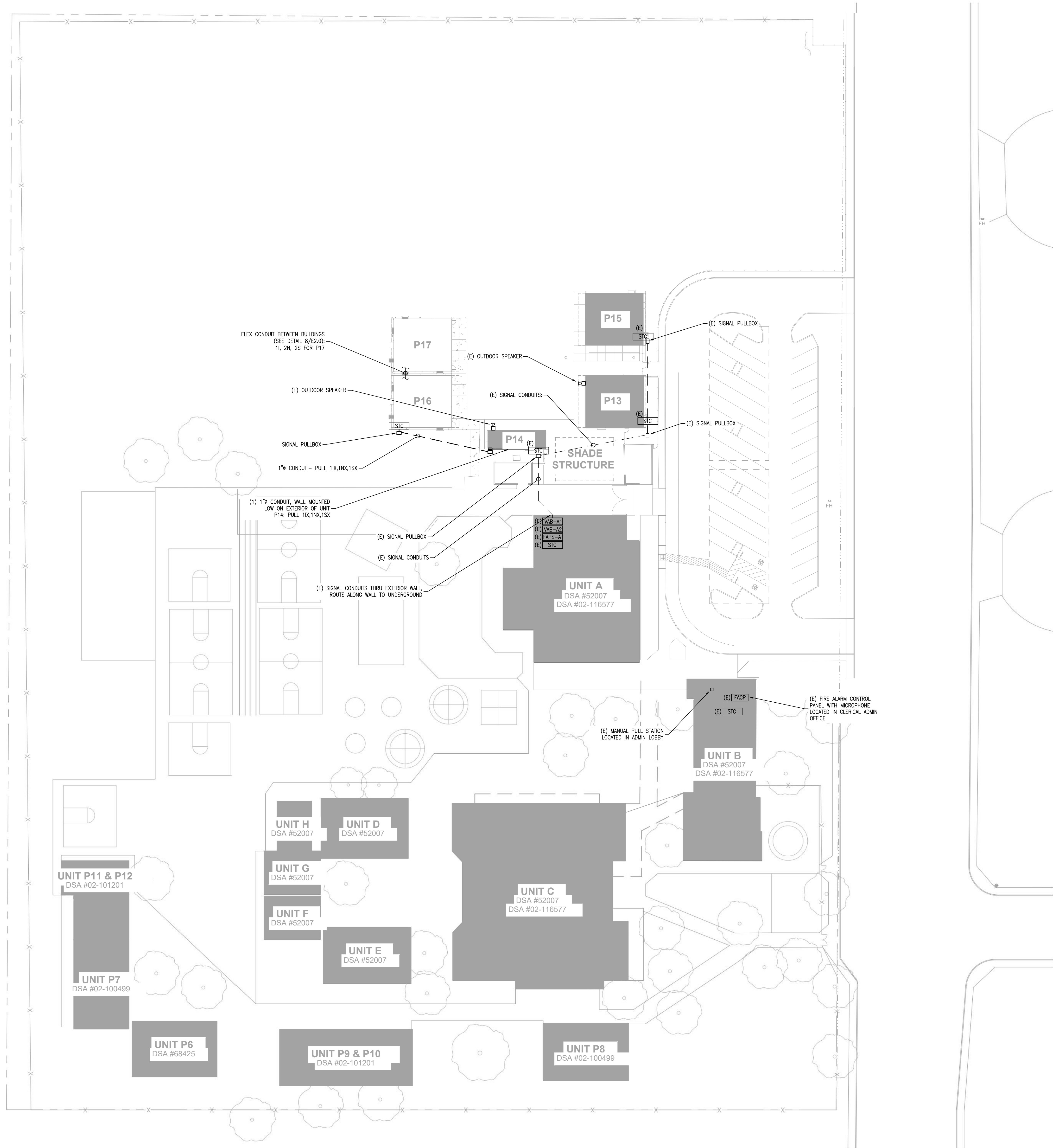
CONSTRUCTION DOCUMENTS

DATE: 03/03/2025
CLIENT PROJ NO: 3595005000
SHEET:

E2.0

ADDENDUM "A"

12/12/2023 4:48:53 PM
ALL CALLS SHOWN ABOVE THE
EXISTING CONDUIT/CABLE ROUTE
UNLESS OTHERWISE NOTED
DATE: 03/03/2025
SHEET: 03/03/2025



SHEET NOTES:

- (E) EXISTING
(N) NEW
(R) REPLACED
(D) DEMO
- ALL FIRE ALARM DEVICES, PULL BOXES, AND CONDUIT/CABLEING SHOWN ARE (N) AND CONTRACTOR FURNISHED-CONTRACTOR INSTALLED (CFCI) U/I/N.
- ALL UNDERGROUND CONDUIT SHALL BE PVC U.O.N. AND HAVE A MINIMUM BURIAL DEPTH PER CEC TABLE 300.5
- PULL BOXES FOR SIGNAL SYSTEMS DUCT BANK SHALL BE MIN. N16. LID SHALL BE ENGRAVED "SIGNAL". LOCATIONS ARE DIAGRAMMATIC AND NOT DIMENSIONED
- FIRE ALARM CIRCUITS AND CIRCUIT ROUTING ARE SHOWN SCHEMATICALLY FOR CLARITY ILLUSTRATING THE WIRING CONFIGURATION NECESSARY FOR PROPER CIRCUIT SUPERVISION
- PROVIDE EXTERIOR MOUNTED, NEMA 3R RATED SIGNAL TERMINAL CABINET (STC) AS SHOWN ON THE PLANS
- RESTORE ASPHALT, CONCRETE, AND LANDSCAPE SURFACE TO MATCH ORIGINAL CONDITION WHERE SAWCUTTING/TRENCHING IS REQUIRED OUTSIDE THE DEMOLISHED AREA PER THE CIVIL DEMOLITION DRAWINGS
- PRIOR TO COMMENCING TRENCHING OPERATIONS, CONTACT THE UTILITIES UNDERGROUND SERVICE ALERT BUREAU AND DETERMINE THE EXACT LOCATION OF ANY EXISTING UTILITY LINES WHICH MIGHT BE DAMAGED DURING THE INSTALLATION OF THIS WORK. HAND TRENCH, BACKFILL, AND COMPACT IN AREAS OF EXISTING UTILITY LINES TO AVOID DAMAGE TO SAME.

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122977 INC.
REVIEWED FOR:
SS ☒ FLS ☒ ACS ☒
DATE: 03/12/2025



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FACILITY:
POET-CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE
TRACY, CA 95376

PROJECT:
POET-CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
FIRE ALARM
SITE PLAN

CONSTRUCTION DOCUMENTS

DATE: 03/03/2025
CLIENT PROJ NO: 3595005000
SHEET:

E3.1

ADDENDUM "A"

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- | | |
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DIV. OF THE STATE ARCHITECT |
| | APP-02-122977 INC. |
| | REVIEWED FOR |
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| | DATE: 03/12/2025 |



TRACY
UNIFIED SCHOOL DISTRICT

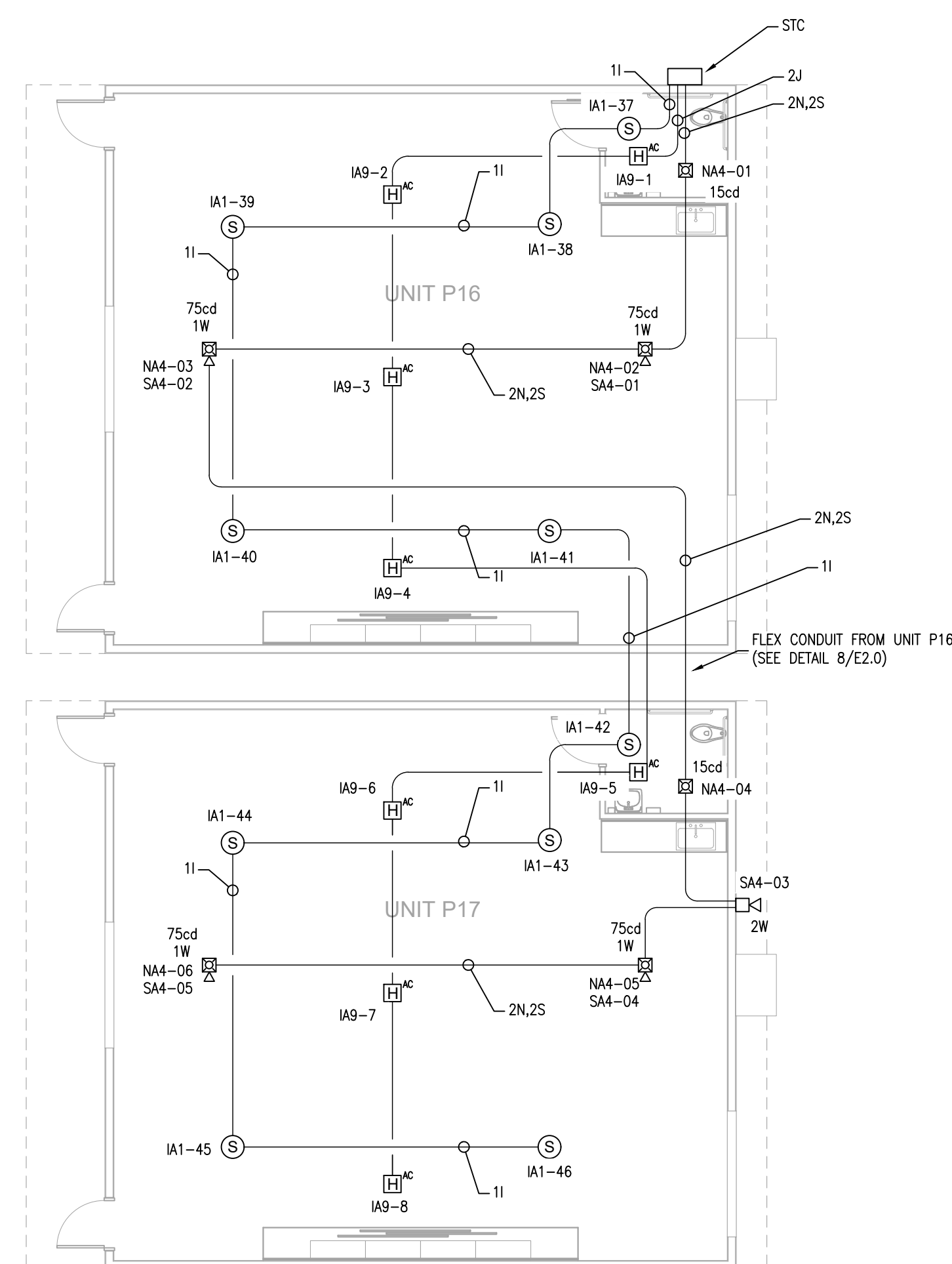
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1 FIRE ALARM PLAN - RELOCATABLE CLASSROOM
SCALE: 1/8"=1'-0"



FACILITY:
POET-CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE
TRACY, CA 95376

PROJECT:
POET-CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
FIRE ALARM
ENLARGED PLAN - RELOCATABLE CLASSROOM

CONSTRUCTION DOCUMENTS

DATE: 03/03/2025	CLIENT PROJ NO: 3595005006
SHEET:	

E3.2

ADDENDUM "A"


3595001000

ISSUE

[illegible]

PRE-CHECKED SET NAME

36' x 40' STANDARD MODULAR
BUILDING
(LOW SEISMIC)

 FORM[®]

TRACY USD
POET-CHRISTIAN ES
(2) 36' x 40' BULIDINGS

GENERAL NOTES

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS	
1	
2	
3	
4	

DRAWN BY:	LS
SCALE:	AS NOTED
DATE:	02/07/25
PROJECT NO:	1917-24
SHEET TITLE:	

TYPICAL SCHEDULES: DOORS, WINDOWS & FINISHES

SHEET NUMBER:

N3.0-N

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
TYPICAL SCHEDULES - DOORS, WINDOWS & FINISHES

DATE: 04/03/24 CLIENT PROJ NO: 359500100

SHEET: _____

N3.0-N

ADDENDUM

</



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PRE-CHECKED SET NAME:
36' x 40' STANDARD MODULAR BUILDING (LOW SEISMIC)
FORM

SITE SPECIFIC PROJECT NAME:
TRACY USD
POET-CHRISTIAN ES
(2) 36' x 40' BUILDINGS

GENERAL NOTES

- NOT USED
- NOT USED
- TYP MOD LINE
- SEMI - RECESSED FIRE EXTINGUISHER - TOP OF HANDLE @ +48" A.F.F. 4" MAX PROTRUSION FROM WALL IF BOTTOM OF FIRE EXTINGUISHER IS ABOVE 27" A.F.F. - SEE 19N4.0
- TACTILE EXIT SIGN PER DETAIL 10N4.0 (BY OTHERS)
- NOT USED
- ROOM SIGNAGE AND I.S.A. PER DETAILS 58N4.0 (BY OTHERS)
- NOT USED
- CARPET
- EGRESS DOOR
- NON-ABSORBENT FLOOR AREA (2'-0" MIN. IN ALL DIRECTIONS @ ALL ENTRY DOOR) CHANGES IN LEVEL ARE NOT PERMITTED IN DOOR MANEUVERING CLEARANCE. NON-ABSORBENT MATERIAL SHALL BE FLUSH WITH CARPET (11B-404.2.4).
- OVERHANG
- OCCUPANT LOAD SIGN PER DETAIL 11N4.0 (BY OTHERS)
- DOWNSPOUT - DISCHARGE TO SPLASH BLOCK (U.O.N.) (QUANTITY AND LOCATION MAY VARY)
- HVAC - SEE MECHANICAL AND NOTES ON EXTERIOR ELEVATIONS.
- ELECTRICAL PANEL (LOCATION MAY VARY) - SEE ELECTRICAL.
- CASEWORK WITH SINK - REFER TO 17-.
- FLOOR LIVE LOAD SIGN PER 2022 CBC SECTION 106.1. (FLOOR LIVE LOAD SIGN IS REQUIRED ONLY FOR COMMERCIAL OR INSTITUTIONAL BUILDINGS DESIGNED WITH LIVE LOADS EXCEEDING 50 PSF) WHERE 150 PSF LIVE LOAD IS SPECIFIED, THE TEXT "LONG TERM STORAGE NOT PERMITTED" SHALL ALSO BE INCLUDED ON THE SIGN.
- ASSISTIVE LISTENING (AL) SIGN POSTED IN PROMINENT PLACE AT OR NEAR THE ENTRANCE PER 17N4.0. - (SIGNAGE BY OTHERS)
- CASEWORK - BLOCKING PER A7.1
- THERMOSTAT - TOP @ 48" A.F.F. - SEE ELECTRICAL SHEET
- TEACHING WALL - BLOCKING PER A7.1
- EXTERIOR LIGHT w/ EMERGENCY POWERED BACKUP - SEE ELECTRICAL
- ACCESSIBLE DOOR CLEARANCE

PORTABLE ASSISTIVE LISTENING SYSTEM REQUIREMENTS
TOTAL CLASSROOMS: 2 x 3 RECEIVERS = 6. RECEIVERS BOTH REQUIRE TO BE HEARING AID COMPATIBLE IN EACH CLASSROOM SO TOTAL NUMBER OF AL RECEIVERS THAT ARE HEARING AID COMPATIBLE = 6.

KEY NOTES

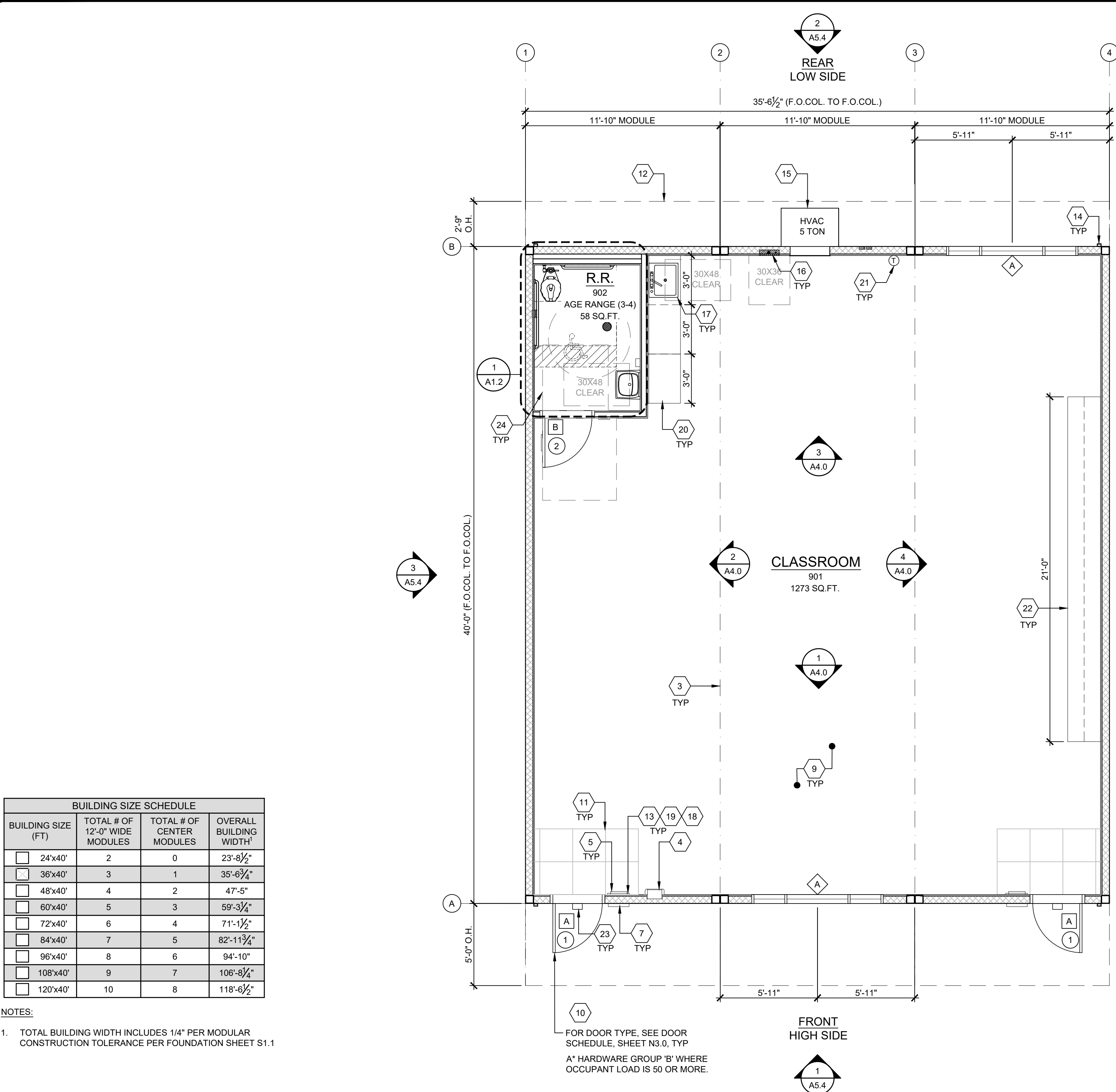
- REFER TO SHEET N5.0 FOR POSSIBLE ADDITIONAL FLOOR PLAN CONFIGURATIONS.
- OPTIONAL INTERIOR WALLS MAY OCCUR THROUGHOUT THE BUILDING AS CONSTRUCTED PER SHEET 58.1. THE PC TITLE 24 HAS BEEN RUN FOR THE WORST CASE ENVELOPE BASED ON AREA.
- PANIC HARDWARE COMPLYING WITH C.B.C. 1010.2.9 IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER.
- IF OCCUPANCY LOAD EXCEEDS 50, PROVIDE A SECOND EXIT DOOR. PER CBC TABLE 1006.2.1.
- FOR EVERY ROOM OR SPACE USED FOR ASSEMBLY OR CLASSROOM, PROVIDE AN OCCUPANT LOAD SIGN (BY OTHERS) IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT. PER C.B.C. SECTION 1004.9.
- ALL PRIMARY EXTERIOR DOOR ENTRIES SHALL BE COVERED TO PREVENT WATER INTRUSION BY USING NONABSORBENT FLOOR AND WALL FINISHES WITHIN AT LEAST 2 FEET AROUND AND PERPENDICULAR TO OPENING, PER CALGREEN, SECTION 5-407.2.2.1.
- PRIMARY EXTERIOR DOOR ENTRIES SHALL HAVE AT LEAST ONE OF THE FOLLOWING:
 - ROOF OVERHANG AT LEAST 4 FEET IN DEPTH.
- WINDOW PLACEMENT & SIZE MAY VARY AS THE TITLE 24 MODEL REFLECTS THE LARGEST WINDOW OPTION. NO PC'S TOTAL WINDOW AREA MAY EXCEED THE TOTAL PENETRATION AREA LISTED IN SECTION G1. ENVELOPE GENERAL INFORMATION OF THE TITLE 24 REPORT.
- CABINETRY MAY BE INSTALLED ON ONE OR BOTH SIDES OF INTERIOR WALLS AND THE INSIDE FACE OF EXTERIOR WALLS WHEN INSTALLED PER THE DETAIL 8/A7.1.

3/16:12 (1%) MINIMUM TO 1/4:12 (2%) MAXIMUM GRADE FROM FACE OF BUILDING MUST BE ADHERED TO FOR WATER RUN-OFF. PONDING MAY OCCUR AROUND THE PERIMETER OF THE BUILDING.

SHEET NOTES

- IN THE EVENT THAT A PC CLASSROOM IS DESIGNED TO CONNECT TO ANOTHER PC CLASSROOM OR RESTROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR/CEILING SHALL MEET THE MINIMUM REQUIREMENT OF A STC OF 40, PER CALGREEN CODE SECTION 507.4.3. (EXAMPLES OF QUALIFYING ASSEMBLIES SHOWN BELOW).
- MINIMUM WALL ASSEMBLIES:
WALL ASSEMBLIES SHALL BE CONSTRUCTED PER DETAIL SHEET A5.5 WITH EITHER 2x4 WOOD STUDS OR 6" STEEL STUDS PER LISTED OPTIONS. MINIMUM STC RATINGS LISTED BELOW ARE PER THE CATALOG OF STC & IIC RATINGS FOR WALL AND FLOOR/CEILING ASSEMBLIES, PRODUCED BY THE OFFICE OF NOISE CONTROL, CA DEPARTMENT OF HEALTH SERVICES.

(2) LAYER 5/8" GYPSUM BOARD SECURED TO MIN. 2x4 STUDS @ 24" O.C. MAX. w/ 3/2" THK. BATT INSULATION
STC=40
TEST REF.: AUDIO ALLOY L.L.C. TEST NUMBER: OL-05-1003
- MINIMUM WINDOW & DOOR RATINGS:
ALL WINDOWS AND DOORS SPECIFIED ON THE SCHEDULES FOUND ON SHEET N3.0 OF THIS PACKAGE SHALL MEET A MINIMUM STC RATING OF 27.



BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL BUILDING WIDTH ¹
<input type="checkbox"/> 24'x40'	2	0	23'-8 1/2"
<input type="checkbox"/> 36'x40'	3	1	35'-6 3/4"
<input type="checkbox"/> 48'x40'	4	2	47'-5"
<input type="checkbox"/> 60'x40'	5	3	59'-3 1/4"
<input type="checkbox"/> 72'x40'	6	4	71'-1 1/2"
<input type="checkbox"/> 84'x40'	7	5	82'-11 3/4"
<input type="checkbox"/> 96'x40'	8	6	94'-10"
<input type="checkbox"/> 108'x40'	9	7	106'-8 1/4"
<input type="checkbox"/> 120'x40'	10	8	118'-6 1/2"

- NOTES:
- TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULAR CONSTRUCTION TOLERANCE PER FOUNDATION SHEET S1.1

TYPICAL FLOOR PLAN

(NO HATCH) 2X4 WALLS

2X6 WALLS

WALL LEGEND

(X) = KEY NOTE - SEE KEY NOTES ABOVE
(X) = DOOR TYPE - SEE SCHEDULE, SHEET N3.0
(X) = DOOR HARDWARE - SEE HARDWARE SCHEDULE, SHEET N3.0
(X) = WINDOW TYPE - SEE SCHEDULE, SHEET N3.0

SYMBOLS LEGEND

IN-ROOM SINK OPTION
BASE CABINET WITH SOLID SURFACE OR PLASTIC LAMINATE COUNTERTOP AND SINK. CABINET SHALL HAVE PLASTIC LAMINATE FINISH. CABINET WITH SINK SHALL BE ACCESSIBLE - SEE DETAIL 12/P2.0.

FOR SINK HEIGHT & DIMENSIONS, SEE DETAIL 8/P2.0.

CS (SEE PLUMBING FIXTURE SCHEDULE ON SHT. P1.0)

30"x48" CLEAR FLOOR SPACE EXTENDS MINIMUM 10" UNDER THE COUNTER (11B-306.2.3, EXC.1) SEE DETAIL 8/P2.0

*FROM FRONT RIM OF THE SINK OR COUNTER SURFACE, WHICHEVER IS HIGHER OR GREATER

SECTION B-B

NO SHELVES
NO CABINET BASE
NO DOORS - SEE DETAIL 8/P2.0 FOR CLEARANCE DIMENSIONS

CLASSROOM SINK

ENERGY CONTROLS

- DEMAND RESPONSE CONTROLS:
ONLY REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F., THEREFORE, NOT REQUIRED FOR THIS PC.
- AUTOMATIC DAYLIGHTING CONTROLS:
NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS. INSTALLED WATTAGE IN PRIMARY SIDELIT DAY LIT ZONE IS 90 WATTS (2x 45w, AS SHOWN ON SHEET E1.0). THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE ONLY REQUIRED WHEN "SOLATUBES" ARE INSTALLED. SEE A1.1
- ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION:
PER TITLE 24 CODE, "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE MINIMUM REQUIREMENTS". PC MAY CONTAIN OCCUPANCY SENSORS AND PHOTOCCELL CONTROL LIGHTING, IN THAT CASE, AN EMCS IS NOT REQUIRED FOR THIS PC.
- SOLAR-READY ZONE REQUIREMENTS:
REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0

NOTE:
ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THE BASE PC.

ENERGY NOTES

ACOUSTIC CONTROLS

- WHEN THE PRE-CHECK (PC) BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES SHALL COMPLY WITH THE CALGREEN CODE, SECTION 5.507.4, FOR THE SPECIFIC SITE LOCATION.
- MINIMUM WALL ASSEMBLIES:
WALL ASSEMBLIES SHALL BE CONSTRUCTED PER DETAIL SHEET A5.5 WITH EITHER 2x4 WOOD STUDS OR 6" STEEL STUDS PER LISTED OPTIONS. MINIMUM STC RATINGS LISTED BELOW ARE PER THE CATALOG OF STC & IIC RATINGS FOR WALL AND FLOOR/CEILING ASSEMBLIES, PRODUCED BY THE OFFICE OF NOISE CONTROL, CA DEPARTMENT OF HEALTH SERVICES.

(1) LAYER 1/2" GYPSUM BOARD SECURED TO MIN. 2x4 STUDS @ 16" O.C. MAX.

STC=28
(CATALOG SECTION 1.2.1.5.4.1)
TEST REF.: NATIONAL RESEARCH COUNCIL OF CANADA - NRC #66

ACOUSTIC NOTES

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DRAWN BY: LS
SCALE: AS NOTED
DATE: 02/07/25
PROJECT NO: 1917-24
SHEET TITLE:
TYPICAL FLOOR PLAN
SHEET NUMBER:

A1.0-N

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
TYPICAL FLOOR PLAN

DATE: 04/03/24
CLIENT PROJ NO: 3595001000

SHEET:







A1.0-N

ADDENDUM "A"

ISSUE	
Δ DESCRIPTION	DATE
Δ ADDENDUM "A"	3/20/25

GENERAL NOTES

GENERAL NOTES

 = KEY NOTE - SEE KEY NOTES, THIS SHEET
 = DOOR TYPE - SEE SCHEDULE SHEET N3.0
 = DOOR HARDWARE - SEE HARDWARE SCHEDULE SHEET N3.0
 = WINDOW TYPE - SEE SCHEDULE SHEET N3.0
 = 60" DIAMETER CLEAR FLOOR TURNING SPACE
 = 30"x48" CLEAR FLOOR SPACE

A1.2-N

A1.2 - N

ADDENDUM "A"

Autodesk Docs: 10585009000 TUSD TK CLASSROOMS 2025 022238900000-A-TUSD-BOHN-SITE-M

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DATE: 03/12/2025



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DESCRIPTION	DATE
ADDENDUM "A"	3/20/25

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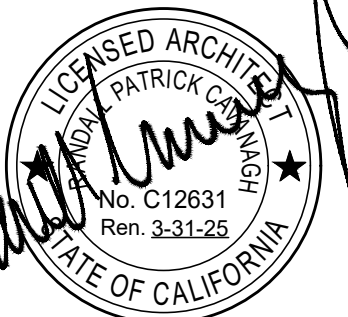
36' x 40' STANDARD MODULAR BUILDING (LOW SEISMIC)

FORM

SITE SPECIFIC PROJECT NAME

TRACY USD
POET-CHRISTIAN ES
(2) 36' x 40' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD



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REVISIONS	
1	
2	
3	
4	

DRAWN BY: LS
SCALE: AS NOTED
DATE: 02/07/25
PROJECT NO: 1917-24

SHEET TITLE:

INTERIOR ELEVATIONS
TYPICAL CLASSROOM

SHEET NUMBER:

A4.0-N

FACILITY:

POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

INTERIOR ELEVATIONS TYPICAL CLASSROOM

DATE: 04/03/24

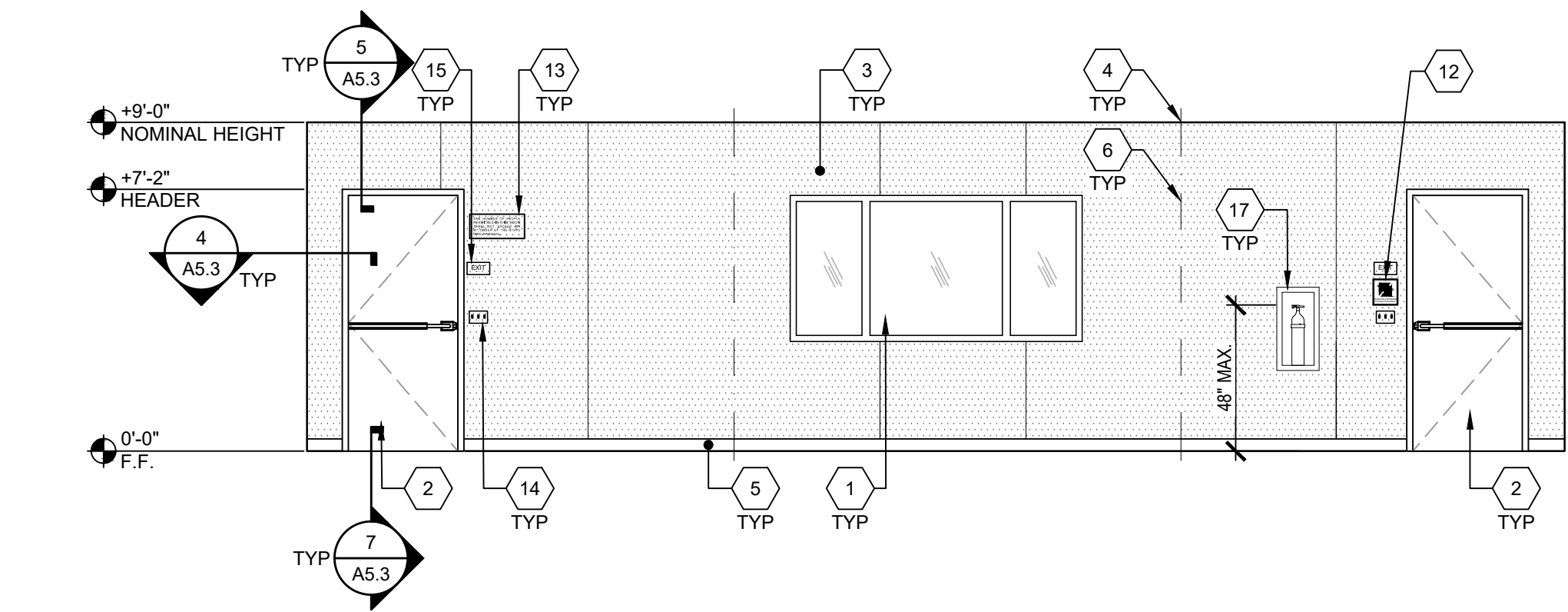
CLIENT PROJ NO: 3595001000

SHEET:

A4.0-N

ADDENDUM "A"

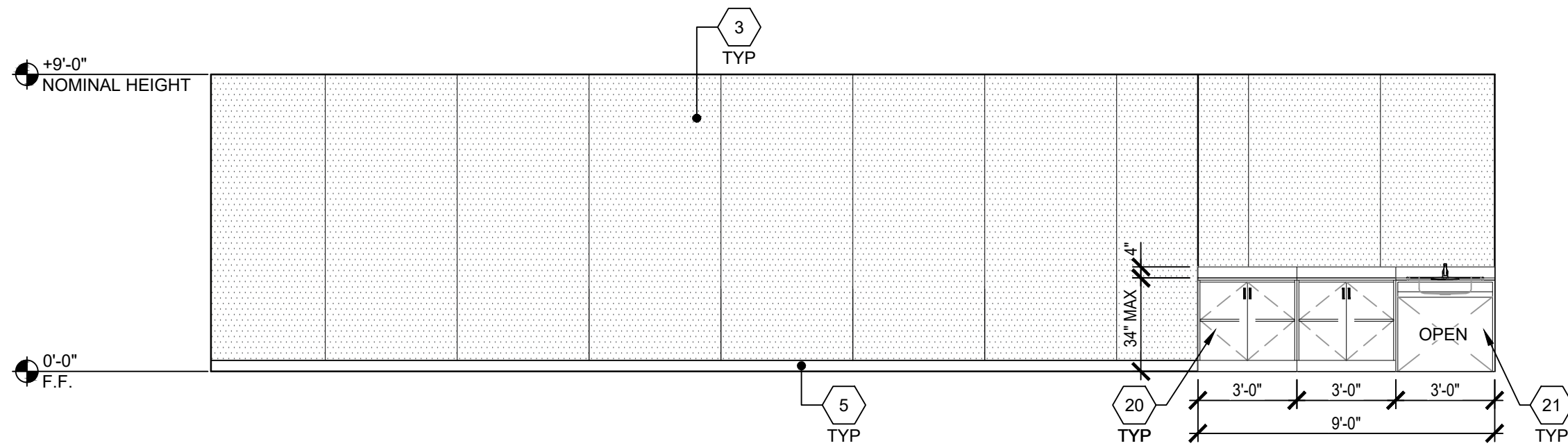
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TYPICAL CLASSROOM FRONT END WALL ELEVATION

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

1

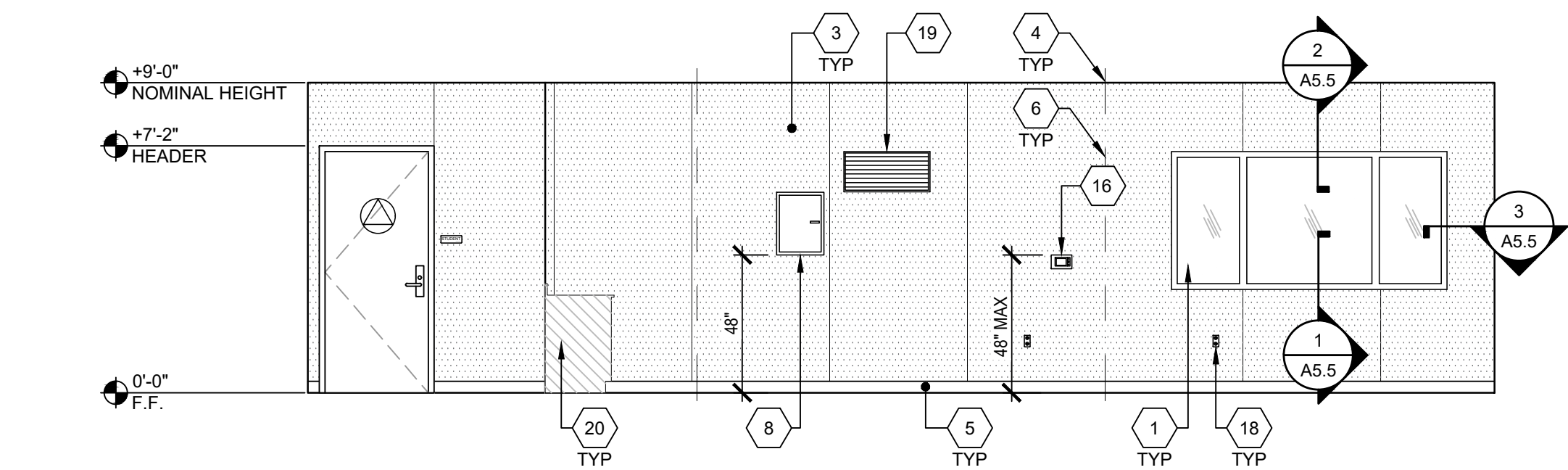


TYPICAL CLASSROOM SIDE WALL ELEVATION

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

2

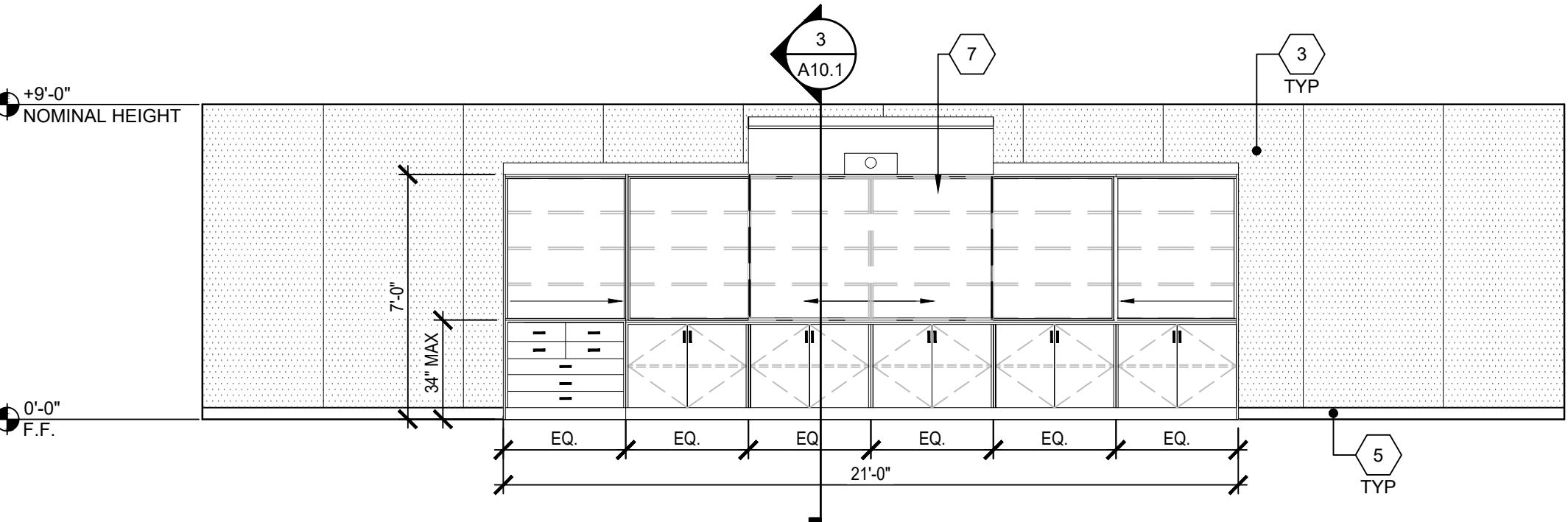
- 1 WINDOW, SEE N3.0 FOR SPECS
- 2 TYP EXTERIOR DOOR, SEE N3.0 FOR SPECS
- 3 TACKBOARD - (FLAME RESISTANT INDUSTRIAL TACKABLE BOARD) - SHALL BE CLASS A RATED (ASTM E-84), NOMINAL PANEL THICKNESS SHALL BE ± 0.5" AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES.
- 4 TYP MOD LINE
- 5 TOP SET BASE
- 6 FULL PANEL CLOSE-UP AT MOD-LINES, TYP
- 7 TEACHING WALL, BLOCKING AS NEEDED PER A7.1
- 8 ELECTRICAL PANEL - SEE ELECTRICAL SHEETS
- 9 NOT USED
- 10 NOT USED
- 11 NOT USED
- 12 ASSISTIVE LISTENING SIGH, BY OTHERS, INSTALLED PER DETAIL 17/N4.0 SIGN SHALL BE A MAXIMUM OF 70" A.F.F. TO BASELINE OF HIGHEST TEXT.
- 13 OCCUPANT LOAD SIGN PER DETAIL 11/N4.0 (BY OTHERS)
- 14 LIGHT SWITCH - SEE ELECTRICAL SHEETS
- 15 EXIT TACTILE SIGN PER DETAIL 10/N4.0 (NIC)
- 16 THERMOSTAT, TOP @ 48" A.F.F. - SEE MECHANICAL SHEETS
- 17 FIRE EXTINGUISHER TOP OF HANDLE @ +48" MAX. A.F.F. PROTRUSION MAX 4" FROM WALL IF BOTTOM OF FIRE EXTINGUISHER GREATER THAN +27" A.F.F.
- 18 TYP DUPLEX OUTLET - SEE ELECTRICAL SHEETS
- 19 HVAC VENT, SEE MECHANICAL
- 20 CASEWORK- BLOCKING AS NEEDED PER A7.1
- 21 CASEWORK W/SINK PER 17/A1.0B.A AND 12/P2.0 - BLKG AS NEEDED PER A7.1



TYPICAL CLASSROOM REAR END WALL ELEVATION

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

3



TYPICAL CLASSROOM SIDE WALL ELEVATION

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

4

NOT USED

5 NOT USED

6 NOT USED

7 NOT USED

NOT USED

9 NOT USED

10 NOT USED

11 NOT USED

KEY NOTES

12

Autodesk Docs: 13595001000 TK CLASSROOMS 2025 622.3395001000-A-TUSD-BOHN-SITE-M

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DESCRIPTION	DATE
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KEYNOTES

GENERAL NOTES

FACILITY:
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TRACY, CA 95376

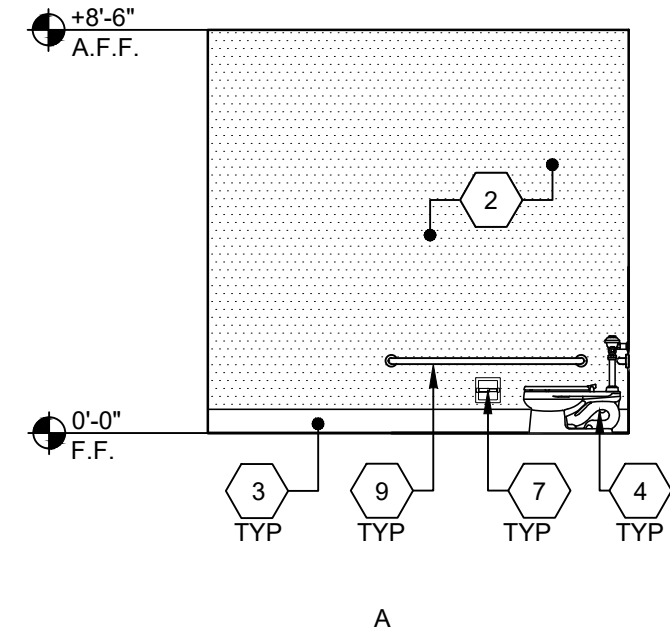
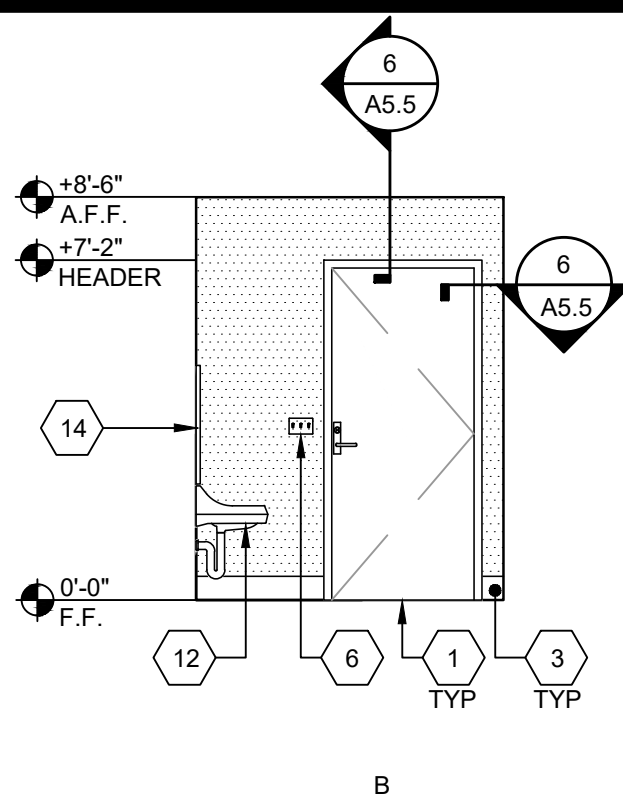
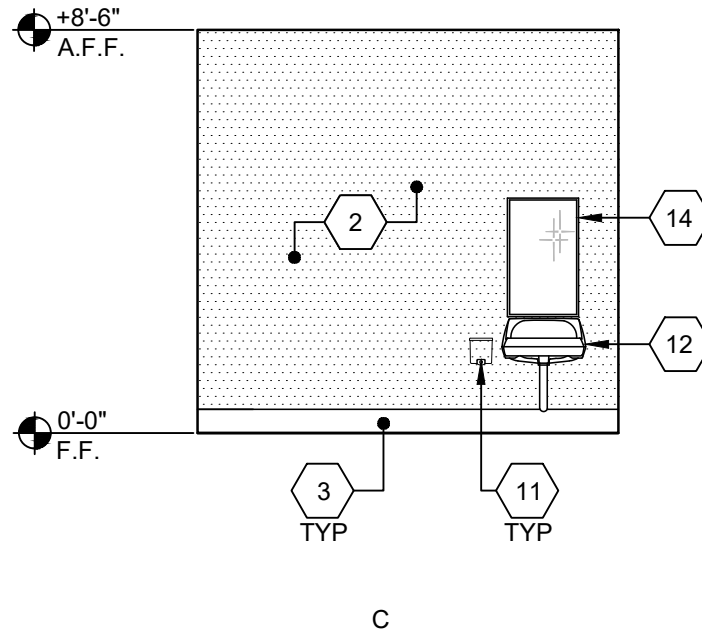
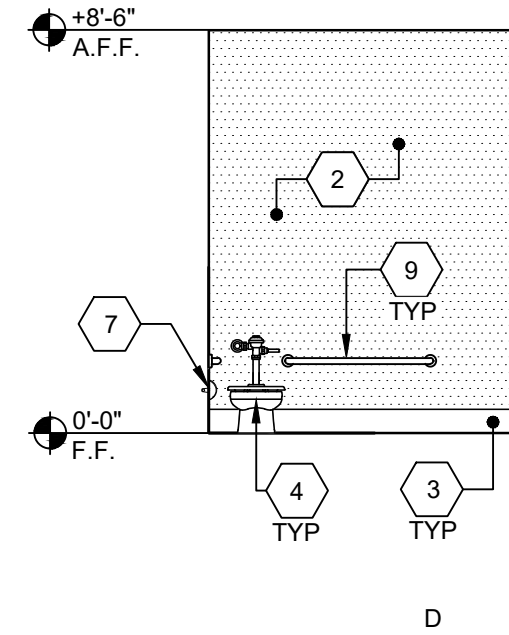
PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
INTERIOR ELEVATIONS RESTROOM OPTIONS

DATE: 04/03/24
CLIENT PROJ NO: 3595001000

SHEET:

A4.1-N
ADDENDUM "A"

								<div><div>1</div><div>TYPICAL DOOR. SEE N3.0 FOR SPECS</div></div> <div><div>2</div><div>F.R.P. (FIBER REINFORCED PLASTIC) - SHALL BE CLASS C RATED (ASTM E-84) EMBOSSED & SMOOTH INTERIOR WALL PANELS. NOMINAL PANELS. NOMINAL PANEL THICKNESS SHALL BE ± 0.090" - PANEL SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES.</div></div> <div><div>3</div><div>6" TOP SET BASE - REFER TO DETAIL 19/A1.2-N</div></div> <div><div>4</div><div>ACCESSIBLE TOILET - SEE DETAIL 14/P2.0</div></div> <div><div>5</div><div>NOT USED</div></div> <div><div>6</div><div>LIGHT SWITCH - SEE ELECTRICAL SHEETS</div></div> <div><div>7</div><div>TOILET PAPER DISPENSER PER P2.0</div></div> <div><div>8</div><div>NOT USED</div></div> <div><div>9</div><div>GRAB BAR - SEE DETAIL 18/P2.0</div></div> <div><div>10</div><div>NOT USED</div></div> <div><div>11</div><div>WALL MOUNTED SOAP DISPENSER (BY OTHERS)</div></div> <div><div>12</div><div>ACCESSIBLE LAVATORY - SEE DETAIL 17/P2.0</div></div> <div><div>13</div><div>NOT USED</div></div> <div><div>14</div><div>TYP. MIRROR (19" MAX. WEIGHT) - SEE DETAIL 17/P2.0</div></div> <div><div>15</div><div>NOT USED</div></div>
TK R.R. (AGE RANGE: 3-4)		SCALE: 1/4" = 1'-0"		1		NOTE: FOR ACCESSIBLE FIXTURES & ACCESSORIES MOUNTING HEIGHT REQUIREMENTS (PER CBC CHAPTER 11B), SEE SHEET P2.0, DETAIL 10.		
NOT USED				2		KEY NOTES		
NOT USED				3		NOT USED		4
NOT USED		5		NOT USED		6		NOT USED
NOT USED		7		NOT USED		8		NOT USED
NOT USED		9		NOT USED		10		NOT USED
NOT USED		11		NOT USED		12		NOT USED
NOT USED		13		NOT USED		14		NOT USED

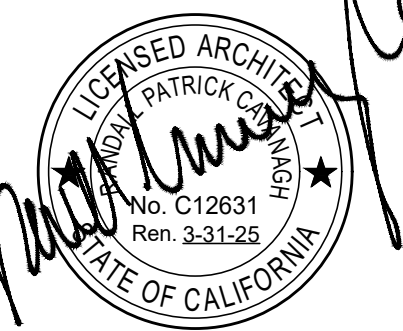


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



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PRE-CHECKED SET NAME
36' x 40' STANDARD MODULAR
BUILDING
(LOW SEISMIC)


SITE SPECIFIC PROJECT NAME
TRACY USD
POET-CHRISTIAN ES
(2) 36' x 40' BULDINGS

MANUFACTURER PROFESSIONAL OF RECORD


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REVISIONS	
	
	
	
	

DRAWN BY:	LS
SCALE:	AS NOTED
DATE:	02/07/25
PROJECT NO:	1917-24

SHEET TITLE:
INTERIOR ELEVATIONS
RESTROOM OPTIONS

SHEET NUMBER:

A4.1-N

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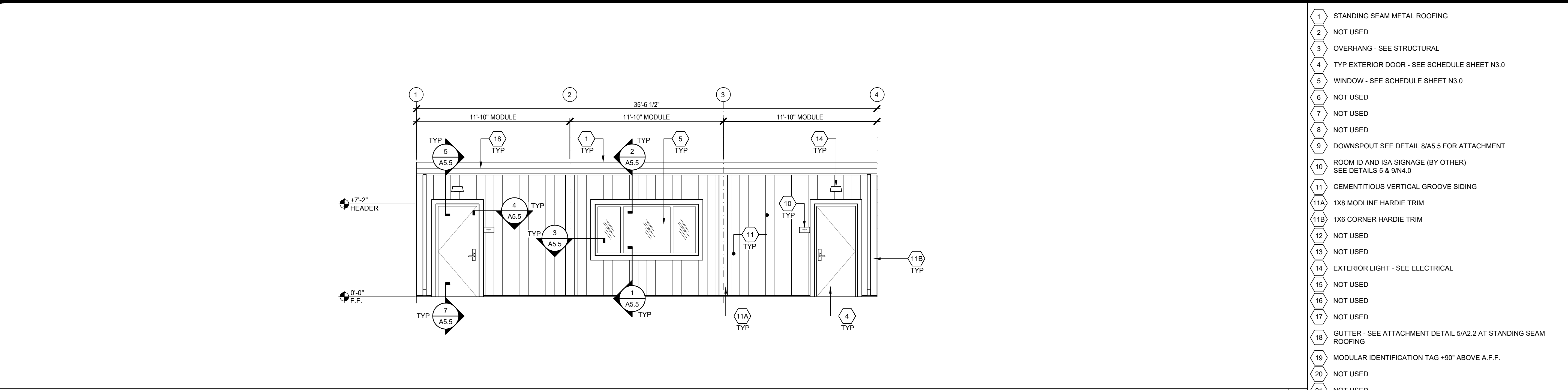
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DESCRIPTION	DATE
ADDENDUM "A"	3/20/25

KEYNOTES

GENERAL NOTES



EXTERIOR ELEVATION - FRONT

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

1. STANDING SEAM METAL ROOFING
2. NOT USED
3. OVERHANG - SEE STRUCTURAL
4. TYP EXTERIOR DOOR - SEE SCHEDULE SHEET N3.0
5. WINDOW - SEE SCHEDULE SHEET N3.0
6. NOT USED
7. NOT USED
8. NOT USED
9. DOWNSPOUT SEE DETAIL 8/A5.5 FOR ATTACHMENT
10. ROOM ID AND ISA SIGNAGE (BY OTHER) SEE DETAILS 5 & 9/N4.0
11. CEMENTITIOUS VERTICAL GROOVE SIDING
- 11A. 1X8 MODLINE HARDIE TRIM
- 11B. 1X6 CORNER HARDIE TRIM
12. NOT USED
13. NOT USED
14. EXTERIOR LIGHT - SEE ELECTRICAL
15. NOT USED
16. NOT USED
17. NOT USED
18. GUTTER - SEE ATTACHMENT DETAIL 5/A2.2 AT STANDING SEAM ROOFING
19. MODULAR IDENTIFICATION TAG +90" ABOVE A.F.F.
20. NOT USED
21. NOT USED
22. DUAL SLOPE OPTION
23. HVAC UNIT
24. NOT USED

AMS
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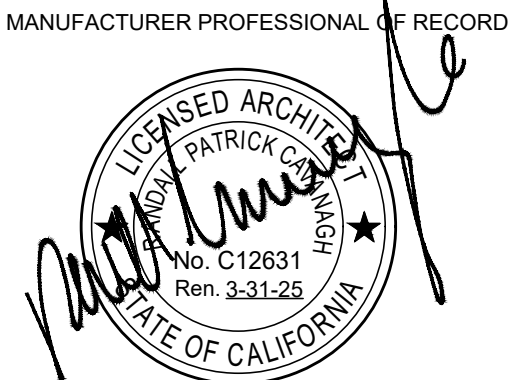
PRE-CHECKED SET NAME
36' x 40' STANDARD MODULAR
BUILDING
(LOW SEISMIC)
FORM

SITE SPECIFIC PROJECT NAME
TRACY USD
POET-CHRISTIAN ES
(2) 36' x 40' BUILDINGS

KEY NOTES

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL BUILDING WIDTH
<input type="checkbox"/> 24'x40'	2	0	23'-0"
<input type="checkbox"/> 36'x40'	3	1	35'-0"
<input type="checkbox"/> 48'x40'	4	2	47'-0"
<input type="checkbox"/> 60'x40'	5	3	59'-0"
<input type="checkbox"/> 72'x40'	6	4	71'-0"
<input type="checkbox"/> 84'x40'	7	5	82'-11"
<input type="checkbox"/> 96'x40'	8	6	94'-10"
<input type="checkbox"/> 108'x40'	9	7	106'-0"
<input type="checkbox"/> 120'x40'	10	8	118'-0"

- NOTES:
1. TOTAL BUILDING WIDTH INCLUDES 1/2" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEET S1.1



THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION, UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS	

DRAWN BY:	LS
SCALE:	AS NOTED
DATE:	02/07/25
PROJECT NO:	1917-24

SHEET TITLE:
TYPICAL EXTERIOR
ELEVATIONS -
LAP SIDING OPTION

SHEET NUMBER:

A5.4-N

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
TYPICAL EXTERIOR ELEVATIONS - LAP SIDING
OPTION

DATE: 04/03/24
CLIENT PROJ NO: 3595001000

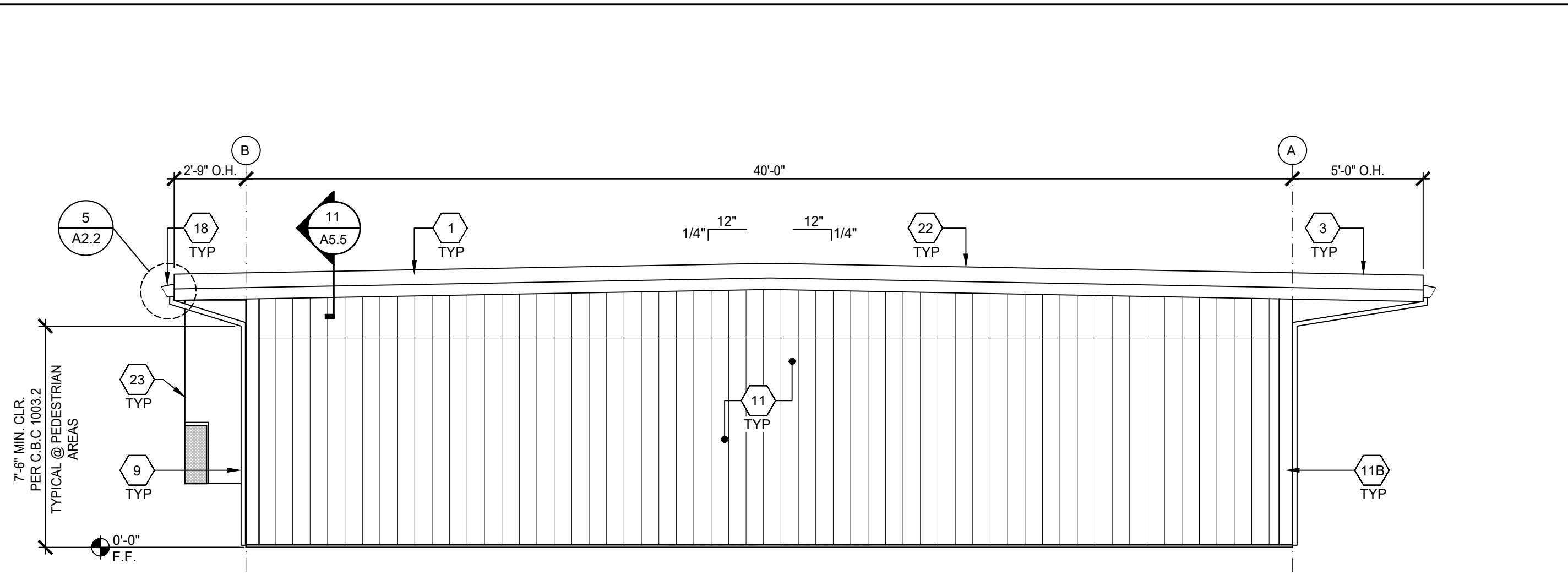
SHEET:

A5.4-N
ADDENDUM "A"

EXTERIOR ELEVATION - REAR

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

BUILDING SIZE SCHEDULE

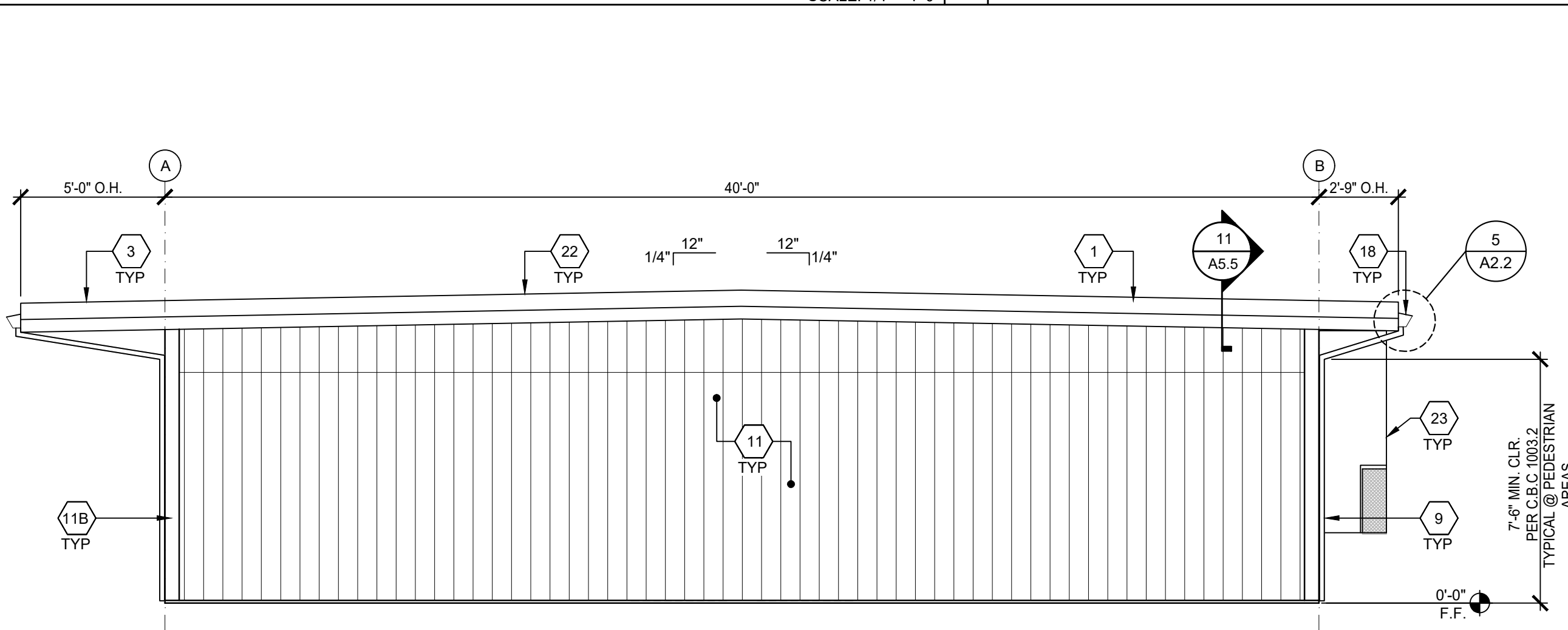


- NOTES:
1. FOR ITEMS NOT NOTED, SEE "TYPICAL" ELEVATION SHOWN ABOVE.
 2. WHEN ELEMENTS HIGHER THAN +27' ABOVE FINISH GRADE PROJECT MORE THAN 4" INTO CIRCULATION AREAS (INCLUDING GRASS PLAY AREAS), THEN CANE-DETECTION ELEMENTS WILL BE REQUIRED.

EXTERIOR ELEVATION - LEFT

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

EXTERIOR ELEVATION - RIGHT



- NOTES:
1. FOR ITEMS NOT NOTED, SEE "TYPICAL" ELEVATION SHOWN ABOVE.
 2. WHEN ELEMENTS HIGHER THAN +27' ABOVE FINISH GRADE PROJECT MORE THAN 4" INTO CIRCULATION AREAS (INCLUDING GRASS PLAY AREAS), THEN CANE-DETECTION ELEMENTS WILL BE REQUIRED.

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

EXTERIOR ELEVATION - RIGHT

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DIV. OF THE STATE ARCHITECT
APP: 02-122977 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 03/12/2025



HMC Architects

3595001000

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

ISSUE	
DESCRIPTION	DATE
ADDENDUM "A"	3/20/25



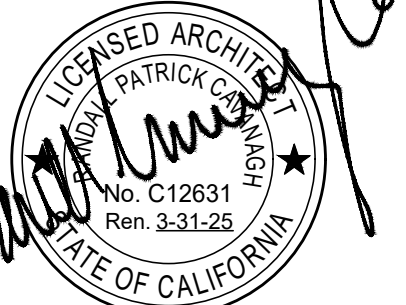
American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
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PRE-CHECKED SET NAME
36' x 40' STANDARD MODULAR
BUILDING
(LOW SEISMIC)


SITE SPECIFIC PROJECT NAME
TRACY USD
POET-CHRISTIAN ES
(2) 36' x 40' BUILDINGS

GENERAL NOTES

MANUFACTURER PROFESSIONAL OF RECORD


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REVISIONS

△	
△	
△	
△	

DRAWN BY: LS
SCALE: AS NOTED
DATE: 02/07/25
PROJECT NO: 1917-24

SHEET TITLE:
TYPICAL
REFLECTED CEILING
PLAN

SHEET NUMBER:

M1.0-N

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

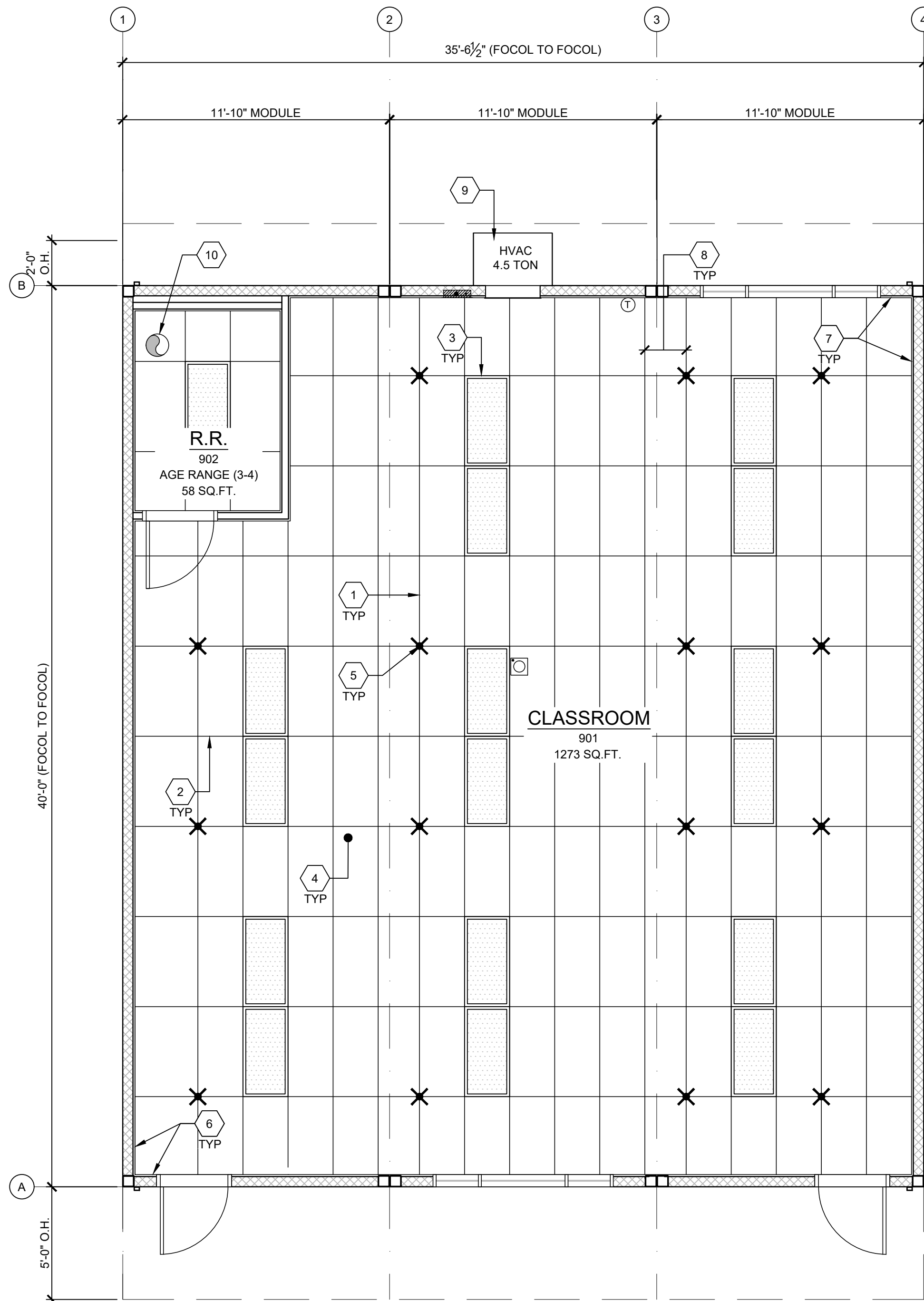
PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
TYPICAL REFLECTED CEILING PLAN

DATE: 04/03/24
CLIENT PROJ NO: 3595001000

SHEET:

M1.0-N
ADDENDUM "A"



- MAIN TEE RUNNER TYP. PER TABLE A, SHEET M1.7
- CROSS TEE RUNNER TYP. PER TABLE A, SHEET M1.7
- INTERIOR LIGHT FIXTURE, REFER TO SHEET SHEET E1.0 FOR SPEC'S ATTACHMENT PER DETAIL 7/M1.4
- CEILING HEIGHT @ 9'-0" MIN.
- STRUT/SLAY WIRE ASSEMBLY, SEE 2/M1.4 FOR DETAILS
- FIXED CEILING END, SEE DETAIL 5A/M1.4
- FREE CEILING END, SEE DETAIL 5B/M1.4
- CENTER SECTION THAT CROSSES MODULE LINE TO BE FIELD INSTALLED, SEE DETAIL 5C/M1.4
- TYP. HVAC UNIT
- EXHAUST FAN - SEE M1.1

KEY NOTES

- WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTO SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.
- AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN ALL OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE DIRECT ACCESS TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. PER C.M.C. 608.1 EXCEPTION #2.
- LIGHT FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.
- PC TITLE 24 HAS BEEN RUN FOR WORSE CASE OUTDOOR VENTILATION REQUIREMENTS (SEE OUTDOOR VENTILATION ON SHEET N2.0 FOR OUR OUTDOOR VENTILATION DESIGN REQUIREMENT NOTES)
- ACCEPTANCE TESTING PER ENERGY CODE SECTION 10-103.
- ACCEPTANCE TESTS TO BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF MECHANICAL SYSTEMS BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.

GENERAL NOTES

MEP COMPONENT ANCHORAGE NOTES

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.1.16 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- 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.
- 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 REFERENCE 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:

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 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. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G. OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

MP ☒ MD ☒ PP ☒ E ☒ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP ☐ MD ☐ PP ☐ E ☐ OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) # _____.

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL FNDN WIDTH
<input type="checkbox"/> 24'x40'	2	0	23'-8½"
<input checked="" type="checkbox"/> 36'x40'	3	1	35'-6¾"
<input type="checkbox"/> 48'x40'	4	2	47'-5"
<input type="checkbox"/> 60'x40'	5	3	59'-3¼"
<input type="checkbox"/> 72'x40'	6	4	71'-1½"
<input type="checkbox"/> 84'x40'	7	5	82'-11¾"
<input type="checkbox"/> 96'x40'	8	6	94'-10"
<input type="checkbox"/> 108'x40'	9	7	106'-8¼"
<input type="checkbox"/> 120'x40'	10	8	118'-6½"

- NOTES:
- TOTAL BUILDING WIDTH INCLUDES ½" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEET S1.1

BUILDING SIZE SCHEDULE

MEP COMPONENT ANCHORAGE NOTES

TYPICAL REFLECTED CEILING PLAN

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

NOT USED

NOT USED

NOT USED

PLEASE RECYCLE ♻️

Autodesk Docs:13595001000 TUSD TK CLASSROOMS 2025 0222:3595001000-A-TUSD-BOHN-SITE-M1

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OR BY ANY INFORMATION STORAGE
AND RETRIEVAL SYSTEM, WITHOUT
PERMISSION IN WRITING FROM THE
ARCHITECT.

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DIV. OF THE STATE ARCHITECT
APP: 02-122977 INC:
REVIEWED FOR:
SS ☒ FLS ☒ ACS ☒
DATE: 03/12/2025



HMC Architects

3595001000

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

ISSUE	
DESCRIPTION	DATE
ADDENDUM "A"	3/20/25

KEYNOTES

GENERAL NOTES

MECHANICAL PLAN

- WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.
- AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE TO ENCLOSED SPACES WITHIN THE BUILDING SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF.
- AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE A DIRECT EXIT TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. (PER C.M.C. 608.1 EXCEPTION #2.)
- LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.
- FOR T-BAR CEILING SPECIFICATIONS, SEE M1.7.
- PROVIDE CO2 SENSORS AT ALL CLASSROOMS THAT MEET REQUIREMENTS OF CALGREEN 5.506.

- EACH PUBLIC K-12 SCHOOL CLASSROOM, AS LISTED IN TABLE 120.1-A OF THE CALIFORNIA ENERGY CODE, SHALL BE EQUIPPED WITH A CARBON DIOXIDE MONITOR OR SENSOR THAT MEETS THE FOLLOWING REQUIREMENTS: 1.THE MONITOR OR SENSOR SHALL BE PERMANENTLY AFFIXED IN A TAMPER-PROOF MANNER IN EACH CLASSROOM BETWEEN 3 AND 6 FEET (914 MM AND 1829 MM) ABOVE THE FLOOR AND AT LEAST 5 FEET (1524 MM) AWAY FROM DOORS AND OPERABLE WINDOWS. 2.WHEN THE MONITOR OR SENSOR IS NOT INTEGRAL TO AN ENERGY MANAGEMENT CONTROL SYSTEM (EMCS), THE MONITOR OR SENSOR SHALL DISPLAY THE CARBON DIOXIDE READINGS ON THE DEVICE. WHEN THE SENSOR IS INTEGRAL TO AN EMCS, THE CARBON DIOXIDE READINGS SHALL BE AVAILABLE TO AND REGULARLY MONITORED BY FACILITY PERSONNEL. 3.A MONITOR SHALL PROVIDE NOTIFICATION THROUGH A VISUAL INDICATOR ON THE MONITOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM. A SENSOR INTEGRAL TO AN EMCS SHALL PROVIDE NOTIFICATION TO FACILITY PERSONNEL THROUGH A VISUAL AND/OR AUDIBLE INDICATOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM. 4.THE MONITOR OR SENSOR SHALL MEASURE CARBON DIOXIDE LEVELS AT MINIMUM 15-MINUTE INTERVALS AND SHALL MAINTAIN A RECORD OF PREVIOUS CARBON DIOXIDE MEASUREMENTS OF NOT LESS THAN 30 DAYS DURATION. 5.THE MONITOR OR SENSOR USED TO MEASURE CARBON DIOXIDE LEVELS SHALL HAVE THE CAPACITY TO MEASURE CARBON DIOXIDE LEVELS WITH A RANGE OF 400 PPM TO 2000 PPM OR GREATER. 6.THE MONITOR OR SENSOR SHALL BE CERTIFIED BY THE MANUFACTURER TO BE ACCURATE WITHIN 75 PPM AT 1,000 PPM CARBON DIOXIDE CONCENTRATION AND SHALL BE CERTIFIED BY THE MANUFACTURER TO REQUIRE CALIBRATION NO MORE FREQUENTLY THAN ONCE EVERY 5 YEARS.
- PER ENERGY CODE 120.1(D), THERMOSTAT SHALL BE PROGRAMMED SO THAT THE AIR HANDLER FAN WILL RUN CONTINUALLY DURING OCCUPIED TIMES. PRE-OCCUPANCY PURGE SHALL BE PROGRAMED ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED. SHOW THERMOSTAT PLACEMENT ON THE PLANS TO BE PLACED AWAY FROM DOORS AND OPERABLE WINDOWS. MECHANICAL PLANS SHOW THERMOSTAT AND SENSOR LOCATIONS, CONTROL DEVICES, AND INCLUDE A CONTROL SEQUENCE OF OPERATIONS. MANUAL OVERRIDE CONTROLS ARE A MANDATORY MEASURE UNDER ENERGY CODE SECTION 120.2(E). ALL HVAC SYSTEMS SHALL HAVE A MANUAL OVERRIDE ACCESSIBLE TO THE OCCUPANTS THAT ALLOWS THEM TO TURN ON THE HVAC SYSTEM DURING NORMALLY UNOCCUPIED TIMES. THIS CAN BE A MANUAL OVERRIDE FOR UP TO 4 HOURS, OCCUPANCY SENSOR OR A 4 HOUR MANUALLY OPERATED TIMER.

MARK	DESCRIPTION	CFM	WATTS	S.P.	VOLT/PH
EF 1	EXHAUST FAN	110	47.3	.10"	120-1Ø

- NOTES:
- VENT EXHAUST FAN THROUGH THE ROOF
 - FANS MUST WEIGH LESS THAN 25 LBS.
 - LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID LAYOUT.
 - FOR INSTALLATION DETAILS REFER TO AA & 16/M1.6

SHEET NOTES

EXHAUST FAN SCHEDULE

- WALL HUNG HVAC UNIT - SEE 10/M1.4.
- NOT USED.
- NOT USED.
- NOT USED.
- NOT USED.
- NOT USED.
- THERMOSTAT - 48" A.F.F. MAX TO TOP OF BOX
- CONCEALED SUPPLY AIR DUCT ABOVE T-BAR CEILING - SEE 1/M1.4.
- TYPICAL 4-WAY SUPPLY AIR REGISTER LOCATION AND SIZE MAY VARY PER CEILING LAYOUT AND BUILDING SIZE - SEE 7/M1.5.
- FLEX DUCT - NOMINAL 10" MIN. (MAY VARY) - SEE 8/M1.5.
- RETURN AIR AS PART OF UNIT.
- NOT USED.
- STRUT/PLAY WIRE ASSEMBLY, SEE 5/M1.4 FOR DETAILS
- NOT USED.

NOTE: FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5 FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE PER ENERGY CODE 120.4 AND CMC 603.4.1

KEY NOTES

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL FNDN WIDTH
<input type="checkbox"/> 24'x40'	2	0	23'-8½"
<input checked="" type="checkbox"/> 36'x40'	3	1	35'-6¾"
<input type="checkbox"/> 48'x40'	4	2	47'-5"
<input type="checkbox"/> 60'x40'	5	3	59'-3¼"
<input type="checkbox"/> 72'x40'	6	4	71'-1½"
<input type="checkbox"/> 84'x40'	7	5	82'-11¾"
<input type="checkbox"/> 96'x40'	8	6	94'-10"
<input type="checkbox"/> 108'x40'	9	7	106'-8¼"
<input type="checkbox"/> 120'x40'	10	8	118'-6½"

- NOTES:
- TOTAL BUILDING WIDTH INCLUDES ½" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEET S1.1
 - REFER TO SHEET M1.7 FOR TYPICAL NOTES AND CALL OUTS.

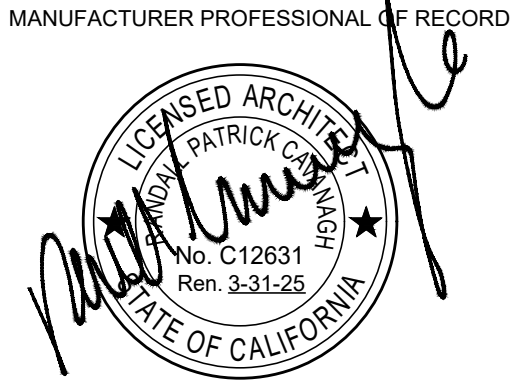
BUILDING SIZE SCHEDULE



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PRE-CHECKED SET NAME:
36' x 40' STANDARD MODULAR BUILDING (LOW SEISMIC)
FORM

SITE SPECIFIC PROJECT NAME:
TRACY USD
POET-CHRISTIAN ES
(2) 36' x 40' BUILDINGS



THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION. UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS	
△	
△	
△	
△	

DRAWN BY: LS
SCALE: AS NOTED
DATE: 02/07/25
PROJECT NO: 1917-24

SHEET TITLE:
TYPICAL MECHANICAL PLAN

SHEET NUMBER:

M1.1A-N

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
TYPICAL MECHANICAL PLAN

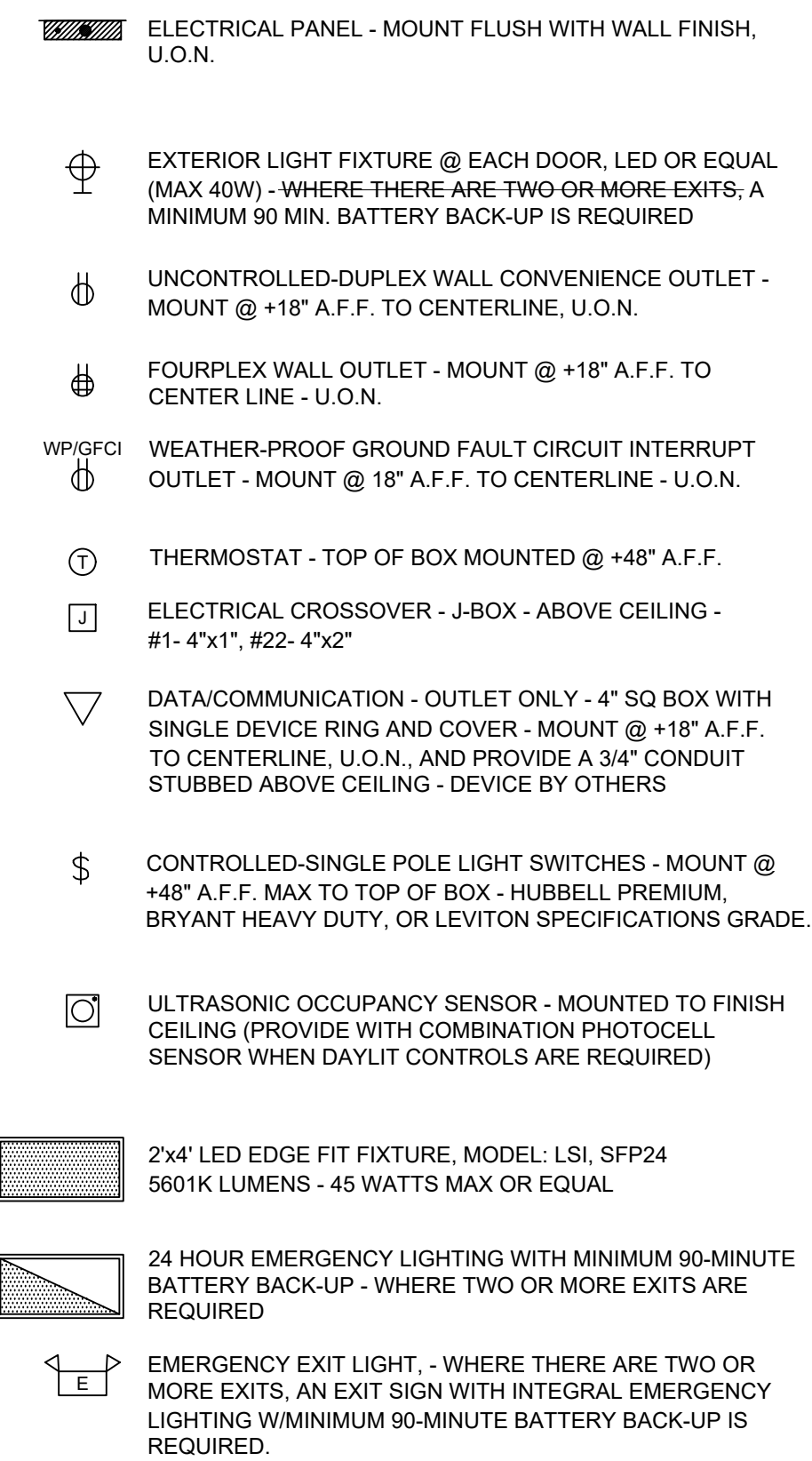
DATE: 04/03/24
CLIENT PROJ NO: 3595001000





M1.1A-N
ADDENDUM "A"

PLEASE RECYCLE

ISSUE	
Δ DESCRIPTION	DATE
Δ ADDENDUM "A"	3/20/25

GENERAL NOTES



   	REVISIONS	
DRAWN BY: LS		
SCALE: AS NOTED		
DATE: 02/07/25		
PROJECT NO: 1917-24		
SHEET TITLE:		
TYPICAL ELECTRICAL PLAN		
SHEET NUMBER:		

DATE: 04/03/24 CLIENT PROJ NO: 359500100

SHEET:

E1.0-N

ADDENDUM "A"

NEUTRAL

LOAD

LOAD

ULTRASONIC CEILING
OCCUPANCY SENSOR OR
COMBINATION
OCCUPANCY/PHOTOCELL
SENSOR

CONTROLLED
OUTLET

UNCONTROLLED
OUTLET

NOTE:
REQUIRED FOR OFFICES, LOBBY, AND
MEETING ROOMS ONLY.

**TYPE P CONTROLLED/UNCONTROLLED
RECEPTACLE WIRING DIAGRAM**

AUTOMATIC DAYLIGHTING CONTROLS:
NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT & PRIMARY DAYLIGHT ZONES ARE <120 WATTS. INSTALLED VOLTAGE IN PRIMARY SIDEKIT DAY LIT ZONE IS 90 WATTS 125-45%. AS SHOWN IN THE SHADED AREAS) THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE ONLY REQUIRED WHEN "SOLATUSES" ARE INSTALLED. SEE A1.1. WHEN DAYLIGHT SENSORS ARE REQUIRED, PROVIDE COMBINATION (CONSOLE) PHOTOCELL SENSOR.

2. **ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION:**
PER TITLE 24 CODE, "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE MINIMUM REQUIREMENTS":
— ROOM CONTROL, (0-10V DIMMING)
— OCCUPANCY SENSOR
— PHOTOCELL SENSOR

3. **SOLAR-READY ZONE REQUIREMENTS:**
REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0

4. **SUGGESTED CONTROLS DIAGRAM FOR TYPICAL DAYLIGHT ZONE:**

SW — RM — () — PS

TO ROOM LIGHTS

NOTE: ANT MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THE BASE PC.

GENERAL NOTES

ELECTRICAL SYMBOLS

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

1. THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT & SMOKE DETECTORS, EVACS AND PULL STATIONS, AND COMPLETE FIRE ALARM SYSTEM WITH THE SITE SPECIFIC PROJECT. THE PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575 & CBC 907.2.3.
2. ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THIS BASE PC.
3. PULL STATIONS ARE REQUIRED AT EVERY EXIT. AT ANY SPACE REQUIRING 2 OR MORE EXITS, PROVIDE EXIT SIGNS (CBC 1013) AND EMERGENCY EXIT ILLUMINATION (CBC 1008).
4. SEE PLANS FOR LOCATIONS OF ALL DEVICES.
5. STUD-OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES ARE SHOWN DIAGRAMMATICALLY. ONLY EXACT LOCATIONS MAY VARY AT SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.
6. STUD-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC (MINIMUM 12" MIN. ELEV. THEN WALL TUBING (EMT). DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.
7. THE LIGHTS FOR EACH ROOM OVER 250 SQ FT SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR, WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE, IN CONJUNCTION WITH SHIELDED SWITCHING.
8. FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.
9. LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-BAR GRID LAYOUT.
10. ACCEPTANCE TESTS SHALL BE COMPLETED ON NEWLY INSTALLED OR RE-PLACEMENT OF EQUIPMENT OR CONTROLS BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.

DEMAND RESPONSE CONTROLS

1. DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F.
2. DEMAND RESPONSE CONTROLS, WHERE REQUIRED, ARE TO BE PROVIDED BY OTHERS.
3. DEMAND RESPONSE CONTROLS AND EQUIPMENT SHALL BE CAPABLE OF RECEIVING AND AUTOMATICALLY RESPONDING TO AT LEAST ONE STANDARD-BASED DEMAND RESPONSE PROTOCOL WHICH ENABLED DEMAND RESPONSE AFTER RECEIVING A DEMAND SIGNAL.
4. SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE CONTROLS MUST INCLUDE THE SUBMITTAL OF FORM NRCC-ELC-O-1E TO DSA (BY OTHERS).

THE LINE SHOWN ABOVE IS
BASED ON THE INFORMATION
PROVIDED TO THE ARCHITECT
BY THE CLIENT AND THE
ARCHITECT'S FIELD
SURVEY.

Autodesk Docs:135950010000 TUSD TK CLASSROOMS 2025 02223595000000-A-TUSD-BOHN-SITE-14

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DIV. OF THE STATE ARCHITECT
APP: 02-122977 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 03/12/2025



HMC Architects

3595001000

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ISSUE

DESCRIPTION	DATE
ADDENDUM "A"	3/20/25

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PRE-CHECKED SET NAME
36' x 40' STANDARD MODULAR
BUILDING
(LOW SEISMIC)

SITE SPECIFIC PROJECT NAME
TRACY USD
POET-CHRISTIAN ES
(2) 36' x 40' BUILDINGS

GENERAL NOTES

MANUFACTURER PROFESSIONAL OF RECORD

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

1	
2	
3	
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DRAWN BY: LS
SCALE: AS NOTED
DATE: 02/07/25
PROJECT NO: 1917-24
SHEET TITLE:

ELECTRICAL NOTES & DETAILS

SHEET NUMBER:

E1.2-N

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

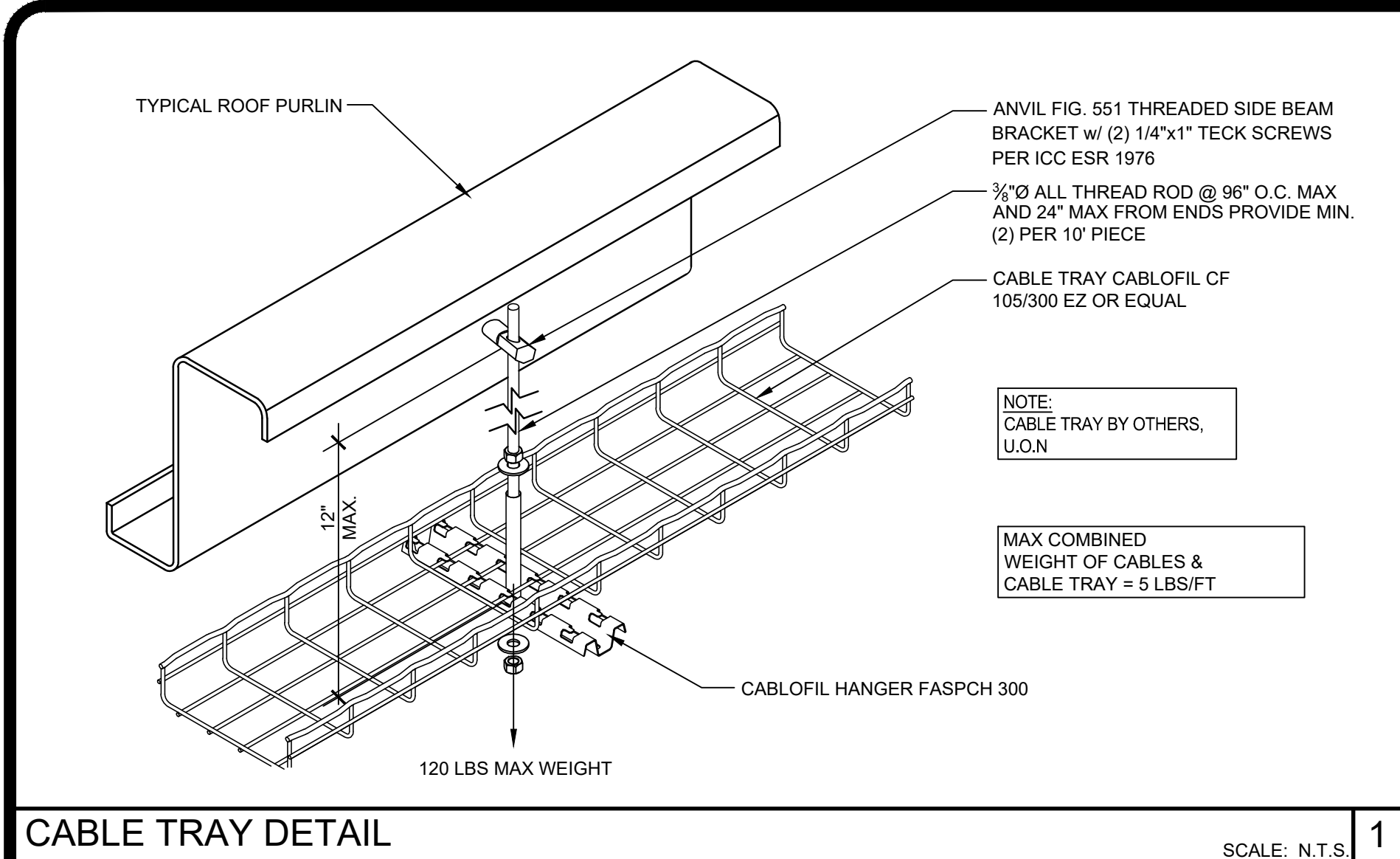
SHEET NAME:
ELECTRICAL NOTES & DETAILS

DATE: 04/03/24
CLIENT PROJ NO: 3595001000

SHEET:

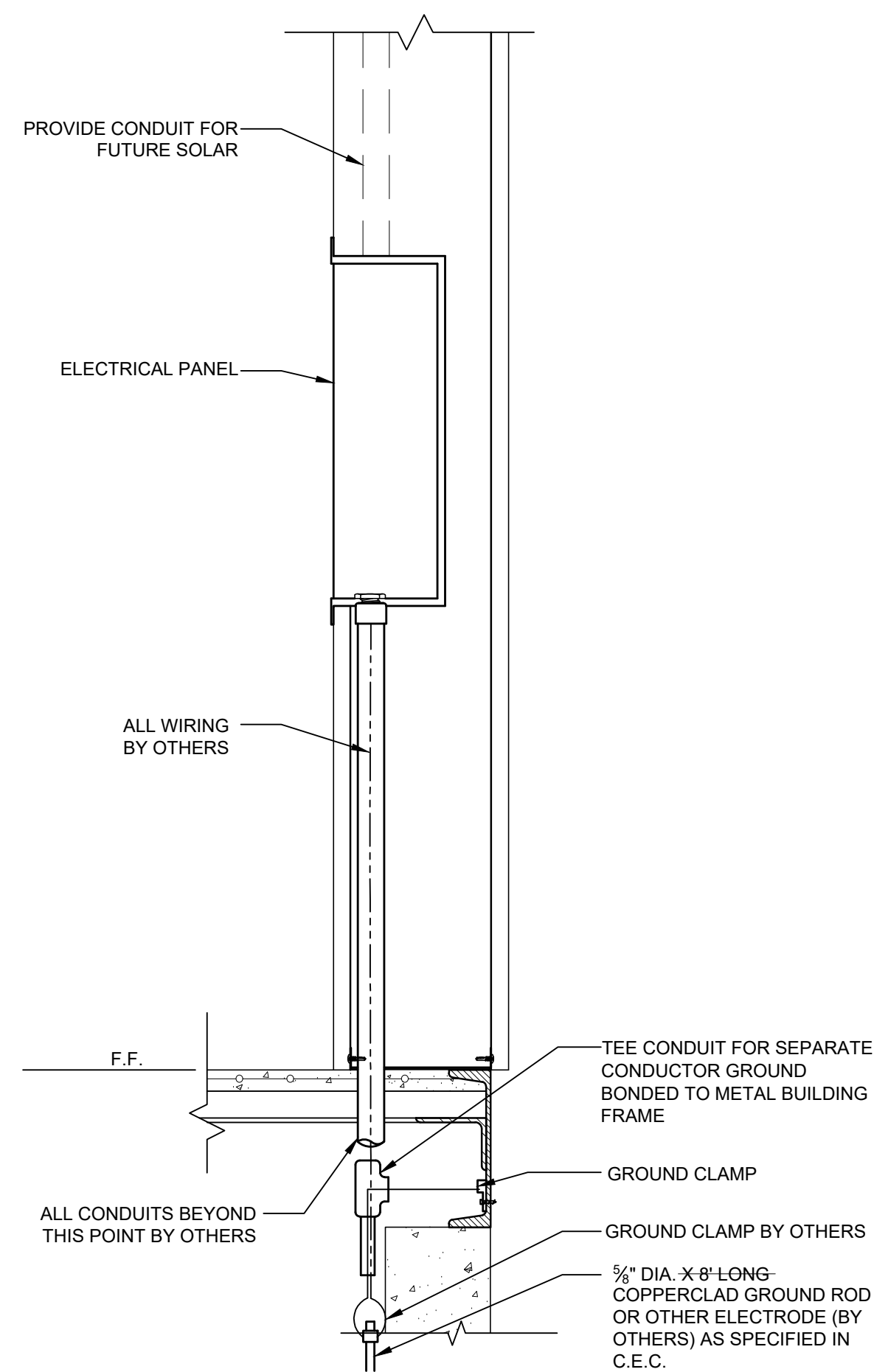
E1.2-N

ADDENDUM "A"



CABLE TRAY DETAIL
SCALE: N.T.S. 1

- 250.52 GROUNDING ELECTRODES.
- 250.52(A) ELECTRODES PERMITTED FOR GROUNDING.
- (1) METAL UNDERGROUND WATER PIPE. A METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 3.0 M (10 FT) OR MORE (INCLUDING ANY METAL WELL CASING BONDED TO THE PIPE) AND ELECTRICALLY CONTINUOUS (OR MADE ELECTRICALLY CONTINUOUS BY BONDING AROUND INSULATING JOINTS OR INSULATING PIPE) TO THE POINTS OF CONNECTION OF THE GROUNDING ELECTRODE CONDUCTOR AND THE BONDING CONDUCTOR(S) OR JUMPER(S), IF INSTALLED.
- (2) METAL IN-GROUND SUPPORT STRUCTURE(S). ONE OR MORE METAL IN-GROUND SUPPORT STRUCTURE(S) IN DIRECT CONTACT WITH THE EARTH VERTICALLY FOR 3.0 M (10 FT) OR MORE, WITH OR WITHOUT CONCRETE ENCASUREMENT. IF MULTIPLE METAL IN-GROUND SUPPORT STRUCTURES ARE PRESENT AT A BUILDING OR A STRUCTURE, IT SHALL BE PERMISSIBLE TO BOND ONLY ONE INTO THE GROUNDING ELECTRODE SYSTEM.
- INFORMATIONAL NOTE: METAL IN-GROUND SUPPORT STRUCTURES INCLUDE, BUT ARE NOT LIMITED TO, PILINGS, CASINGS, AND OTHER STRUCTURAL METAL.
- (3) CONCRETE-ENCASED ELECTRODE. A CONCRETE-ENCASED ELECTRODE SHALL CONSIST OF AT LEAST 6.0 M (20 FT) OF EITHER (1) OR (2):
- (1) ONE OR MORE BARE OR ZINC GALVANIZED OR OTHER ELECTRICALLY CONDUCTIVE COATED STEEL REINFORCING BARS OR RODS OF NOT LESS THAN 13 MM (1/2 IN.) IN DIAMETER, INSTALLED IN ONE CONTINUOUS 6.0 M (20 FT) LENGTH, OR IF IN MULTIPLE PIECES CONNECTED TOGETHER BY THE USUAL STEEL TIE WIRES, EXOTHERMIC WELDING, WELDING, OR OTHER EFFECTIVE MEANS TO CREATE A 6.0 M (20 FT) OR GREATER LENGTH; OR
- (2) BARE COPPER CONDUCTOR NOT SMALLER THAN 4 AWG
- METALLIC COMPONENTS SHALL BE ENCASED BY AT LEAST 50 MM (2 IN.) OF CONCRETE AND SHALL BE LOCATED HORIZONTALLY WITHIN THAT PORTION OF A CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH OR WITHIN VERTICAL FOUNDATIONS OR STRUCTURAL COMPONENTS OR MEMBERS THAT ARE IN DIRECT CONTACT WITH THE EARTH. IF MULTIPLE CONCRETE-ENCASED ELECTRODES ARE PRESENT AT A BUILDING OR STRUCTURE, IT SHALL BE PERMISSIBLE TO BOND ONLY ONE INTO THE GROUNDING ELECTRODE SYSTEM.
- INFORMATIONAL NOTE: CONCRETE INSTALLED WITH INSULATION, VAPOR BARRIERS, FILMS OR SIMILAR ITEMS SEPARATING THE CONCRETE FROM THE EARTH IS NOT CONSIDERED TO BE IN "DIRECT CONTACT" WITH THE EARTH.
- (4) GROUND RING. A GROUND RING ENCIrcLING THE BUILDING OR STRUCTURE, IN DIRECT CONTACT WITH THE EARTH, CONSISTING OF AT LEAST 6.0 M (20 FT) OF BARE COPPER CONDUCTOR NOT SMALLER THAN 2 AWG.
- (5) ROD AND PIPE ELECTRODES. ROD AND PIPE ELECTRODES SHALL NOT BE LESS THAN 2.44 M (8 FT) IN LENGTH AND SHALL CONSIST OF THE FOLLOWING MATERIALS.
- (A) GROUNDING ELECTRODES OF PIPE OR CONDUIT SHALL NOT BE SMALLER THAN METRIC DESIGNATOR 21 (TRADE SIZE 3/4) AND WHERE OF STEEL, SHALL HAVE THE OUTER SURFACE GALVANIZED OR OTHERWISE METAL-COATED FOR CORROSION PROTECTION.
- (B) ROD-TYPE GROUNDING ELECTRODES OF STAINLESS STEEL AND COPPER OR ZINC COATED STEEL SHALL BE AT LEAST 15.87 MM (5/8 IN.) IN DIAMETER, UNLESS LISTED.
- (6) OTHER LISTED ELECTRODES. OTHER LISTED GROUNDING ELECTRODES SHALL BE PERMITTED.
- (7) PLATE ELECTRODES. EACH PLATE ELECTRODE SHALL EXPOSE NOT LESS THAN 0.186 M² (2 FT²) OF SURFACE TO EXTERIOR SOIL. ELECTRODES OF BARE OR ELECTRICALLY CONDUCTIVE COATED IRON OR STEEL PLATES SHALL BE AT LEAST 6.4 MM (1/4 IN.) IN THICKNESS. SOLID, UNCOATED ELECTRODES OF NONFERROUS METAL SHALL BE AT LEAST 1.5 MM (0.06 IN.) IN THICKNESS.
- (8) OTHER LOCAL METAL UNDERGROUND SYSTEMS OR STRUCTURES. OTHER LOCAL METAL UNDERGROUND SYSTEMS OR STRUCTURES SUCH AS PIPING SYSTEMS, UNDERGROUND TANKS, AND UNDERGROUND METAL WELL CASINGS THAT ARE NOT BONDED TO A METAL WATER PIPE.
- (B) NOT PERMITTED FOR USE AS GROUNDING ELECTRODES
THE FOLLOWING SYSTEMS AND MATERIALS SHALL NOT BE USED AS GROUNDING ELECTRODES:
- (1) METAL UNDERGROUND GAS PIPING SYSTEMS
(2) ALUMINUM
(3) THE STRUCTURES AND STRUCTURAL REINFORCING STEEL DESCRIBED IN 680.26(B)(1) AND (B)(2)
- INFORMATIONAL NOTE:
SEE 250.104(B) FOR BONDING REQUIREMENTS OF GAS PIPING.



1. SIZE OF CONDUCTORS SHALL COMPLY w/CECA
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL & METAL BUILDING FRAME (CEC) IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL, IF AVAILABLE (CEC)
3. ELECTRICAL BOND MODULES TOGETHER WITH W8 CU @ MODLINE, BY MANUFACTURER. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (CEC) AS REQUIRED. GROUNDING DETAIL PER DSA IR E-1. INSPECTOR TO WITNESS GROUNDING TEST.

NOT USED 2 ELECTRICAL PANEL CONNECTION DETAIL - UNDERFLOOR OPTION 3
SCALE: 1-1/2" = 1'-0"

PANEL: L101 S/N:		PHASE: SINGLE		VOLTS: 120/240		BUSS: 125 AMP		MAIN: 125 AMP		LOCATION: EXTERIOR		FEED: B OTTOM		MOUNTING: SURFACE											
OBJECT DESCRIPTION	WAT PER	NO OF	LCL	WATTS		BRK	POLE	SIZE	NO	LEG	CT	WIRE NO	SIZE	POLE	BRK	WATTS		NO OF	WAT PER	OBJECT DESCRIPTION					
				A	B											A	B				LCL	OF	PER		
5 TON HVAC	7333	1	x		7333			80	2	#4	1	x	2	#12	1	20	720		4	180	RECEPTS				
5 TON HVAC	7333	/	x		7333			/	/	#4	3	x	4	#12	1	20		900	5	180	RECEPTS				
INTERIOR LIGHTS	49	16			784			20	1	#12	5	x	6	#12	1	20	360		2	180	RECEPT-GFCI				
(1)INT LIGHT (1)FAN	159	1			159			20	1	#12	7	x	8	#12	1	20		180	1	180	RECEPT-wp/GFCI				
					0						9	x	10	#12	1	20	142		1	142	(2) EXT / (2) EXT LIGHTS				
					0						11	x	12	#12	1	20	360		1	360	QUAD RECEPT				
					0						13	x	14			0									
					0						15	x	16			0									
					0						17	x	18			0									
					0						19	x	20			0									
LEG TOTALS					8117		7492													1222	1440	LEG TOTALS			
LCL=3666.5+18271=21937.5																									
TOTAL WATTS=21937.5																									
LEG BALANCE =										2.2%				TOTAL AMPS: 91.41											

LOAD PANEL CALCULATIONS

FIRE ALARM SYSTEM

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, CALIFORNIA FIRE CODE AND THE CALIFORNIA BUILDING CODE.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTINGS FOR EACH COMPONENT OF THE SYSTEM, HAVE BEEN APPROVED BY DSA.
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.
4. JUNCTION BOXES - GALVANIZED SHEET METAL, SQUARE OR RECTANGULAR WITH BLANK COVERS. LOCATE ONE BOX AT REAR OF BUILDING NEAR MAIN ELECTRICAL PANEL @ +18" ABOVE FINISH FLOOR FOR FUTURE CONNECTION.
5. COVERS - INSTALL GASKETED, METAL, WATERPROOF, FINISH COVERS AT EXTERIOR LOCATIONS. INSTALL FINISH COVERS AT INTERIOR LOCATIONS.
6. THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATIONS (CBC SEC. 907.2.3) AND THE 2022 EDITION OF NFPA 72.
7. THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
8. ALARM-INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 dBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF 60 SECONDS, WHICHEVER IS GREATER, MEASURED 5' ABOVE THE FLOOR. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM, OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS (NFPA 72, SEC. 18.4.1).
9. THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ), NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHAL APPROVED AND LISTED (NFPA 72, SEC. 18.5.3).
10. AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 CHAPTER 26. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UL/IFX OR UL/US BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER. 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 AGENCY.

GENERAL NOTES

1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.
2. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
3. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.
4. ALL PANELS, SWITCHES, DISCONNECTS, BREAKERS, METERS, AND OTHER ELECTRICAL ELEMENTS SHALL BE PLACED ABOVE THE ELEVATION REQUIRED BY ASCE 24-14, SECTION 7.2.
5. WHERE FLEXIBLE CONDUIT IS PASSING BETWEEN BUILDING SEPARATION JOINTS, PROVIDE SUFFICIENT LENGTH OF CONDUIT TO PERMIT DIFFERENTIAL DISPLACEMENTS BETWEEN BUILDINGS IN COMPLIANCE WITH ASCE 7 SECTION 13.6.9 & DSA IR PC-2 SECTION 1.18. ADDITIONAL CONDUIT & JOINT DETAIL SHALL BE PROVIDED BY OTHERS.

FIXTURE NOTES:

1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
2. LUMINAIRES/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.
4. ELECTRICAL SERVICE DROP AND CONNECTIONS SUPPLIED BY OTHERS.
5. MANUFACTURER TO PROVIDE STUB-OUT FROM BACK OF ELECTRICAL PANEL THROUGH THE EXTERIOR WALL OR TO BELOW FLOOR FOR RECEIVING EITHER UNDERGROUND OR OVERHEAD SERVICE & FITTING FOR GROUNDING CABLE.
6. 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 SHALL HAVE ADEQUATE SHORT CIRCUIT INTERRUPTING CAPACITY. ALL BUSES INCLUDING BUS SHALL BE COPPER OR ALUMINUM.
7. 2X4 FLUORESCENT FIXTURES SHALL HAVE A STEEL FRAME. LENS SHALL BE HINGED AND LOCKED IN PLACE BY TWO LOCKING DEVICES. THE LENS DIFFUSERS SHALL BE KHS, INC. #KSH-2, CAROLITE, INC. #C-12 OR PLASKOLITE, INC. #PL21A. MINIMUM LENS THICKNESS SHALL BE 0.125 INCHES.
8. FLUORESCENT BALLAST SHALL BE ENERGY SAVER WHILE MAINTAINING FULL LIGHT OUTPUT, CLASS "P" EQUIPPED WITH THERMAL PROTECTORS, GUARANTEED AGAINST FAILURE FOR (2) YEARS AND BE REPLACEABLE FROM INSIDE THE FIXTURE.
9. CLOCK - 12" DIAL CLOCK ON CLOCK OUTLET.
A. CLOCK SHALL BE GENERAL ELECTRIC MODEL 2912 12V 60 CYCLE
B. CLOCK OUTLET SHALL BE BRYANT #2828 OR EQUAL WITH SEPARABLE HANGING CLIP & APPRO RECEPT. 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 OF MANUFACTURE. 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.
C. IF 90 DEGREES WIRE IS TO BE USED IN THIS INSTALLATION, CALCULATIONS DEMONSTRATING AMPACITY SHALL BE PROVIDED ON THE DRAWING.

GENERAL NOTES

PLEASE RECYCLE ♻️

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APP: 02-122977 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 03/12/2025



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Δ DESCRIPTION	DATE
Δ ADDENDUM "A"	3/20/25

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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)
FORM

SITE SPECIFIC PROJECT NAME

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122050 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 12/11/2023

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

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
No. C12631
Ren. 3-31-25
STATE OF CALIFORNIA

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS	
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Δ	

DRAWN BY: AA
SCALE: AS NOTED
DATE: MMDDYY
PROJECT NO: XXXX-22

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

KEYNOTES

GENERAL NOTES

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
TITLE SHEET

DATE: 04/03/24 CLIENT PROJ NO: 3595001000

SHEET:

TS

ADDENDUM "A"

AMS

American Modular Systems

24' x 40' THRU 120' x 40'
STANDARD BUILDING (LOW SEISMIC)



- APPLICABLE CODES
- PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2023
- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) - (PART 1, TITLE 24, CCR)
 - 2022 CALIFORNIA BUILDING CODE (CBC) - (VOLUME 1 & 2 - (PART 2, TITLE 24 CCR) BASED ON THE 2021 INTERNATIONAL BUILDING CODE WITH 2022 CALIFORNIA AMENDMENTS
 - 2022 CALIFORNIA ELECTRICAL CODE (CEC) - (PART 3, TITLE 24, CCR) BASED ON THE 2020 NATIONAL ELECTRIC CODE WITH 2022 CALIFORNIA AMENDMENTS
 - 2022 CALIFORNIA MECHANICAL CODE (CMC) - (PART 4, TITLE 24, CCR) BASED ON THE 2021 IAPMO UNIFORM MECHANICAL CODE WITH 2022 CALIFORNIA AMENDMENTS
 - 2022 CALIFORNIA PLUMBING CODE (CPC) - (PART 5, TITLE 24, CCR) BASED ON THE 2021 IAPMO UNIFORM PLUMBING CODE WITH 2022 CALIFORNIA AMENDMENTS
 - 2022 CALIFORNIA ENERGY CODE (CEC) - (PART 6, TITLE 24, CCR)
 - 2022 CALIFORNIA FIRE CODE (CFC) - (PART 9, TITLE 24, CCR) BASED ON THE 2021 INTERNATIONAL FIRE CODE WITH 2022 CALIFORNIA AMENDMENTS
 - 2022 CALIFORNIA GREEN BUILDING CODE (CGC) - (PART 11, TITLE 24, CCR)
 - 2022 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)
- PARTIAL LIST OF APPLICABLE STANDARDS
- | | | |
|-----------|--|--------------|
| NFPA 13 | AUTOMATIC SPRINKLER SYSTEM | 2022 EDITION |
| NFPA 14 | STANDPIPE AND HOSE SYSTEMS | 2019 EDITION |
| NFPA 17 | DRY CHEMICAL EXTINGUISHING SYSTEMS | 2021 EDITION |
| NFPA 17A | WET CHEMICAL EXTINGUISHING SYSTEMS | 2021 EDITION |
| NFPA 20 | STATIONARY PUMPS | 2019 EDITION |
| NFPA 24 | PRIVATE FIRE MAINS | 2019 EDITION |
| NFPA 72 | NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED)
(NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES") | 2022 EDITION |
| NFPA 253 | CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS | 2019 EDITION |
| NFPA 2001 | CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED) | 2018 EDITION |

BUILDING DATA

OCCUPANCY: ☒ OR B (CLASSROOM USE FOR COLLEGE)

TYPE OF CONSTRUCTION: V-B (CATEGORY I & II)

WIND LOAD: V = 99 MPH BASIC WIND SPEED
ASCE 7-16 SECTION 28.5.3 EXPOSURE = C
SIMPLIFIED PROCEDURE: INTERNAL PRESSURE COEFF. GCp,1 = ±0.18
ROOF ANGLE = 1/2 DEGREES RISK CATEGORY II Kzt = 1.00

ICE LOAD: NOT CONSIDERED (SEE GENERAL NOTE #15 THIS SHEET)

SNOW LOAD: NOT CONSIDERED (SEE GENERAL NOTE #14 THIS SHEET)

ROOF LIVE LOAD (MAX PSF): 20 (REDUCIBLE)

FLOOR LIVE LOAD (PSF): ☐ 50 ☒ 50+15 ☐ 100 ☐ 150 (NON-STORAGE)

DESIGN DEAD LOADS (MAX PSF): 21.0 RF - 12.0 WD FLR - 48.0 CONC. FLR - 18.0 EXT WALLS

FIRE SPRINKLER SYSTEM DESIGN WT.: 1.5 PSF INCLUDED IN ROOF DESIGN DEAD LOADS ABOVE (SEE GENERAL NOTES #5 - #7 THIS SHEET)

ROOF SOLAR PANEL SYSTEM DESIGN WT.: 3.0 PSF INCLUDED IN ROOF DESIGN DEAD LOADS ABOVE (SEE GENERAL NOTE #9 THIS SHEET)

ALLOWABLE SOIL PRESSURE (PSF): 1500 (1/3 INCREASE IN SOIL BEARING CAPACITY NOT PERMITTED FOR WIND & SEISMIC LOAD COMBINATIONS UNLESS USING ALTERNATE BASIC LOAD COMBINATIONS PER CBC 1605A.3.2)

FLOOD HAZARD AREA: NO (SEE GENERAL NOTE #11 THIS SHEET)

RAIN INTENSITY (IN/HR): 3" MAX.

BUILDING AREA (SQ. FT.): 960 MIN. THRU 4800 MAX.

CLIMATE ZONE GROUP: ☐ A (1,16) ☐ B (2-5) ☒ C (6-13) ☐ D (14,15) (REFER TO EN-1 FOR REQUIREMENTS)

MODULES: LIGHT MODULAR STEEL MOMENT-FRAMES PER CBC SECTION 2212A

SYSTEM: 12'x40' MODULES (2 MODULES MINIMUM)

FOUNDATION TYPE: CONCRETE

SITE SPECIFIC WIND VALUES

SITE SPECIFIC BASIC WIND SPEED = 93 MPH WIND EXPOSURE = C

SITE SPECIFIC SEISMIC VALUES

SITE SPECIFIC Ss = 1.18 SITE SPECIFIC Si = 0.411 SITE CLASS = D

(NOTE: SITE SHALL BE SITE CLASS "D" IF NO SOILS REPORT)

PC BUILDING SEISMIC DESIGN CRITERIA

le = 1.0 T = 0.240s R = 3.5 (OMF) RISK CATEGORY II
Qs = 3.0 Cs = 3.0 p = 1.0 SEISMIC DESIGN CATEGORY: D (Si < 0.75)
E (Si ≥ 0.75)

MAXIMUM STORY DRIFT RATIO = 2.0% (I.E. MAX DRIFT = 0.020 x THE HEIGHT UNDER CONSIDERATION.)
LATERAL FORCE RESISTING SYSTEM: LIGHT MODULAR STEEL MOMENT FRAMES PER 2212A
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

NOTE: COMPONENTS AND CLADDING DESIGNED FOR: Sds = 1.62

NO SOILS REPORT - ASSUMED SITE CLASS "D" DEFAULT

Ss = 2.026 MAX (SITE) 1.418 (DESIGN)* Fp = 1.2 Sds = 1.82 MAX (SITE) 1.13 (DESIGN)*
S1 = 1.001 MAX (SITE & DESIGN) Fp = 1.7 Sds = 1.13 MAX (SITE & DESIGN) Cs = 0.324 W (DESIGN)*

WITH SOILS REPORT - SITE CLASS "A", "B" OR "D"

NOTE: GROUND MOTION HAZARD ANALYSIS IS NOT REQUIRED WHERE THE VALUE OF THE PARAMETERS S IS INCREASED BY 50% FOR ALL APPLICATIONS OF SM1 (ASCE 7-16 w/SUPPLEMENT #3, SECTION 11.4.8, EXCEPTION 1) DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16

Ss = 3.332 MAX (SITE) 2.332 (DESIGN)* Fp = 1.0 Sds = 2.22 MAX (SITE) 1.55 (DESIGN)*
S1 = 1.372 MAX (SITE & DESIGN) Fp = 1.7 Sds = 1.55 MAX (SITE & DESIGN) Cs = 0.444 W (DESIGN)*

WITH SOILS REPORT - SITE CLASS "C"

DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16

Ss = 2.776 MAX (SITE) 1.943 (DESIGN)* Fp = 1.2 Sds = 2.22 (SITE) 1.55 (DESIGN)*
S1 = 1.166 MAX (SITE & DESIGN) Fp = 1.4 Sds = 1.55 MAX (SITE & DESIGN) Cs = 0.444 W (DESIGN)*

WITH SOILS REPORT - SITE CLASS "E"

NOTE: GROUND MOTION HAZARD ANALYSIS IS NOT REQUIRED WHERE THE EQUIVALENT LATERAL FORCE PROCEDURE IS USED FOR DESIGN AND THE VALUE OF Cs IS DETERMINED BY EQ (12.8-2) FOR ALL VALUES OF T (ASCE 7-16 w/SUPPLEMENT #3, SECTION 11.4.8, EXCEPTION 2) SEE GENERAL NOTE #10.

DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16

Ss = 1.943 MAX (SITE) 1.943 (DESIGN) Fp = 1.2 Sds = 1.55 (SITE) 1.55 (DESIGN)
S1 = 1.166 MAX (SITE & DESIGN) Fp = 2.0 Sds = 1.55 MAX (SITE & DESIGN) Cs = 0.444 W (DESIGN)

WITH SOILS REPORT - SITE CLASS "F"

NOTE: GROUND MOTION HAZARD ANALYSIS IS NOT REQUIRED WHERE THE EQUIVALENT LATERAL FORCE PROCEDURE IS USED FOR DESIGN AND THE VALUE OF Cs IS DETERMINED BY EQ (12.8-2) FOR ALL VALUES OF T (ASCE 7-16 w/SUPPLEMENT #3, SECTION 11.4.8, EXCEPTION 2) SEE GENERAL NOTE #10.

SITE SPECIFIC Sds =

SITE SPECIFIC Sds1 = Sds = Sds1 = 1.55 MAX Cs = 0.444 W (DESIGN)

- *PER ASCE 7-16, SECTION 12.8.1.3:
THE VALUE OF Cs AND Es ARE PERMITTED TO BE CALCULATED USING A VALUE OF Sds EQUAL TO 1.0, BUT NOT LESS THAN 70% OF Sds AS DEFINED IN SECTION 11.4.5, PROVIDED THAT ALL OF THE FOLLOWING CRITERIA ARE MET:
- STRUCTURE DOES NOT HAVE IRREGULARITIES.
 - STRUCTURE DOES NOT EXCEED FIVE (5) STORIES ABOVE THE LOWER OF THE BASE OR GRADE PLANE.
 - STRUCTURE HAS A FUNDAMENTAL PERIOD, T, THAT DOES NOT EXCEED 0.5 SECONDS.
 - STRUCTURE MEETS REQUIREMENTS FOR REDUNDANCY FACTOR, R, TO BE TAKEN AS 1.0.
 - SITE SOIL PROPERTIES ARE NOT CLASSIFIED AS SITE CLASS "E" OR "F".
 - STRUCTURE IS CLASSIFIED AS RISK CATEGORY II.
 - WHEN SITE SPECIFIC GROUND MOTION PROCEDURE IS REQUIRED PER 11.4.8, SITE-SPECIFIC PROJECTS ARE NOT ALLOWED FOR OTC SUBMITTAL.

REQUIRED PV SYSTEM SIZE (kW)	
CLIMATE ZONE	BUILDING SIZE
	24'x40' 36'x40' 48'x40' 60'x40' 72'x40' 84'x40' 96'x40' 108'x40' 120'x40'
	APPROXIMATE CONDITIONED FLOOR AREA
1-6	960 1440 1920 2400 2880 3360 3840 4320 4800
7-9	NONE NONE NONE NONE NONE NONE NONE NONE NONE
10-12	NONE NONE NONE NONE NONE NONE NONE NONE NONE
13-14	NONE NONE NONE NONE NONE NONE NONE NONE NONE
15	NONE NONE NONE NONE NONE NONE NONE NONE NONE

NOTE: FOR SITE-SPECIFIC PROJECT, INDICATE BUILDING SIZE AND PV SYSTEM SIZE. IF PV REQUIRED, SEE NOTE #9 UNDER GENERAL NOTES

- GENERAL NOTES
- SUBSTITUTION OF PRODUCTS OR PROCESSES WHICH CHANGE THE STRUCTURAL SAFETY, FIRE & LIFE-SAFETY, OR ACCESSIBILITY OF THIS BUILDING SHALL BE SUBMITTED TO THE DSA AS AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT.
 - PC BUILDING APPROVED ONLY FOR OCCUPANCY "E" OR "B".
 - PC BUILDING EXISTING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC.
 - PC BUILDINGS LOCATED IN FIRE HAZARD SEVERITY ZONES PER MIDLAND URBAN INTERFACE FIRE AREAS (WUI) SHALL CONFORM TO CBC CHAPTER 7A. PC IS NOT APPROVED FOR WUI.
 - AUTOMATIC SPRINKLER SYSTEMS MIGHT BE REQUIRED FOR SITE SPECIFIC PROJECTS. OPTIONAL AUTOMATIC FIRE SPRINKLER DESIGNS ARE INCLUDED IN THIS PC APPROVAL. (NOTE: SEE BUILDING DATA THIS SHEET FOR SOLAR PANEL SYSTEM WEIGHT & WIND LOAD INCLUDED IN BUILDING DESIGN FOR ROOF-TOP.) SUBMITTALS OF ROOF-TOP SOLAR SYSTEM SHALL NOT BE SUBMITTED AS AN OVER-THE-COUNTER SUBMITTAL.
 - FIRE SERVICE UNDERGROUND SHALL BE REVIEWED AS A SITE SPECIFIC APPLICATION. WATER SUPPLY SHALL BE DESIGNED TO MEET THE PC SPRINKLER DEMAND REQUIREMENTS.
 - PROVIDE A SITE SPECIFIC FIRE FLOW LETTER OF CERTIFICATION FROM AN APPROVED WATER PURVEYOR OR LOCAL FIRE AUTHORITY.
 - THIS PC PLAN SHALL NOT BE USED TO HOUSE "ROOMS OR AREAS WITH SPECIAL HAZARDS" SUCH AS LABORATORIES, VOCATIONAL SHOPS AND OTHER SUCH AREAS NOT CLASSIFIED AS GROUP H, LOCATED IN GROUP E OCCUPANCIES.
 - A SEPARATE NON-PC DSA APPLICATION NUMBER (SITE SPECIFIC JOB OR STOCKPILE) IS REQUIRED FOR DESIGN & ROOF-TOP INSTALLATION OF SOLAR PANEL SYSTEMS, ITS ANCHORAGE & SUPPORT STRUCTURE ABOVE THE ROOF FRAMING. THE PC ROOF FRAMING IS DESIGNED FOR SOLAR PANELS TO BE INSTALLED FLAT ON THE ROOF. (NOTE: SEE BUILDING DATA THIS SHEET FOR SOLAR PANEL SYSTEM WEIGHT & WIND LOAD INCLUDED IN BUILDING DESIGN FOR ROOF-TOP.) SUBMITTALS OF ROOF-TOP SOLAR SYSTEM SHALL NOT BE SUBMITTED AS AN OVER-THE-COUNTER SUBMITTAL.
 - IF THE STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL, OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND SITE SPECIFIC PROJECT SUBMITTAL IS REQUIRED. IF THE SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY BE PRESUMED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD.
 - THIS PC BUILDING IS NOT DESIGNED FOR FLOOD HAZARD AREAS. WHEN A SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A GEOTECHNICAL ENGINEER IS NEEDED TO VALIDATE THAT THE ALLOWABLE SOIL VALUES SPECIFIED IN THE PC DRAWINGS ARE STILL APPLICABLE, UNLESS THE BOTTOMS OF FOUNDATIONS ARE RAISED ABOVE THE DESIGN FLOOD ELEVATION. A VALIDATION LETTER FROM THE GEOTECHNICAL ENGINEER SHALL BE PROVIDED, EVEN IF THE PRESUMPTIVE LOAD-BEARING VALUES PER CBC SECTION 1808.2 ARE USED. PROJECT SHALL BE EXEMPT FROM THE VALIDATION LETTER FOR PROJECTS LOCATED IN ZONE D (UNDEFINED) IF THE APPLICANT PROVIDES EVIDENCE FROM THE LOCAL JURISDICTION OR A QUALIFIED DESIGN PROFESSIONAL, CONFIRMING THAT THE SITE IS NOT IN A FLOOD HAZARD ZONE. LOCATION OF ELECTRICAL ELEMENTS SHALL CONFORM TO THE AMERICAN SOCIETY OF CIVIL ENGINEERS.
 - THE PLACEMENT OF THE PC BUILDING(S) ON OR ADJACENT TO SLOPES SHALL COMPLY WITH THE FOUNDATION CLEARANCES FROM SLOPES SPECIFICATIONS FOUND ON SHEET N1.0 OF THESE DRAWINGS.
 - PC BUILDING SHALL NOT BE PLACED OR BE RELOCATED IN AREAS HAVING A NOISE CONTOUR GREATER THAN OR EQUAL TO 65 CNEL, OR IN AREAS EXPOSED TO A NOISE LEVEL OF 65 dB Ldn 1-hr DURING ANY HOUR OF OPERATION WHEN NOISE CONTOURS ARE NOT READILY AVAILABLE, AS SPECIFIED IN CALGREEN CODE, SECTION 5.507.4.1 & 5.507.4.1.1.
 - THIS PC BUILDING IS NOT DESIGNED FOR SNOW LOADS.
 - THIS PC BUILDING IS NOT DESIGNED FOR ICE LOADS.
 - BUILDING SHALL BE MANUFACTURED IN COMPLIANCE WITH CFC CHAPTER 33 FOR FIRE SAFETY DURING CONSTRUCTION.
 - SUBMITTAL AND APPROVAL OF A GEOHAZARD REPORT BY THE CALIFORNIA GEOLOGICAL SURVEY (CGS) IS NOT REQUIRED FOR SINGLE-STORY MODULAR BUILDINGS PROVIDED THAT THEY DO NOT EXCEED 4,000 SQUARE FEET IN PLAN AREA AND ARE NOT LOCATED WITHIN STATE OR LOCAL GEOLOGICAL HAZARD ZONES IN ACCORDANCE WITH IR A-4, SECTION 3.2.1.
 - ACCEPTANCE TESTS BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF LIGHTING CONTROLS, MECHANICAL SYSTEMS, FENESTRATION, AND PROCESS EQUIPMENT BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.
 - THIS PC WILL NOT BE PLACED ON ANY CAMPUS IN AND OF THE FOLLOWING LOCATIONS:
 - WITHIN THE 65 CNEL NOISE CONTOUR OF AN AIRPORT.
 - WITHIN THE 65 CNEL OR LDN NOISE CONTOUR OF A FREEWAY, EXPRESSWAY, RAILROAD OR INDUSTRIAL SOURCE GUIDEWAY.
 - WHERE EXPOSED TO NOISE LEVELS OF 65 DB-LEQ 1-HOUR DURING ANY HOUR OF OPERATION.

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SEE SHEET TS2 FOR SHEET INDEX

TS

PLEASE RECYCLE

TS

THE LINE BELOW INDICATES THE LOCATION OF THE STOCKPILE WOOD FLOOR. THE LINE BELOW INDICATES THE LOCATION OF THE STOCKPILE CONCRETE FLOOR.

Autodesk Docs: 13595001000 TUSD TK CLASSROOMS 2025 R22.23595001000-A-TUSD-BOHN-SITE-M 12/2/2024 9:56:44 AM

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Additional Information for PC designs only, not to be added to DSA-103:			
	STOCKPILE	CONSTRUCTION OF PERMANENT MODULAR OR RELOCATABLE BUILDING	RELOCATION OF CERTIFIED RELOCATABLE BUILDING
INSPECTOR CLASS (minimum requirements)	RBIP or Class 1	In Plant: RBIP or Class 1 Site: Class 4 for Single Story Site: Class 2 for Two-Story	Class 4 for Single Story Class 2 for Two-Story
Selection of the Project Inspector and Testing/Special Inspection Agency	by the Owner (not manufacturer) and approved by DSA, A/E of Record and Structural Engineer	by the School District and approved by DSA and A/E responsible for in-plant construction observation.	by the Owner (not manufacturer) and approved by DSA, A/E of Record and Structural Engineer
Cost of the Project Inspector (CAC, Section 4-333(b)) and Testing/Special Inspection Agency (CAC, Section 4-335(i))	by the Owner (not manufacturer)	by the School District	

NOTES: NOTE 1: REINFORCING STEEL TESTS MAY BE WAIVED FOR ONE-STORY BUILDINGS, PER CBC, SECTION 1910A.2 (1909.2.4*). NOTE 2: REQUIRED ONLY WHERE THE DETAILS OF THE PC SPECIFY THE USE OF THIS TYPE OF ANCHOR. NOTE 3: REQUIRED ONLY WHERE THE DETAILS OF THE PC SPECIFY THIS WELDING. NOTE 4: THESE TESTS AND INSPECTIONS ARE APPLICABLE ONLY WHEN A GEOTECHNICAL REPORT IS REQUIRED. NOTE 5: WOOD FOUNDATIONS ARE NOT PERMITTED FOR PERMANENT MODULAR BUILDINGS PER CBC SECTION 1807A.1.4.

*INDICATES ALTERNATIVE CBC SECTIONS THAT COMMUNITY COLLEGES MAY USE PER CBC SECTION 1.9.2.2.

HOLLO-BOLT MANUFACTURER'S INSPECTION PROCEDURES

PERIODIC SPECIAL INSPECTION REQUIREMENTS

TO VERIFY CORRECT INSTALLATION INCLUDING USE IN SEISMIC OR WIND LOADING APPLICATIONS IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE SECTIONS 1705A.1, 1705A.2, AND 1704A.3. PLEASE REFER TO THE FOLLOWING INSTRUCTIONS.

A. INSPECTION PRIOR TO INSTALLATION

- ENSURE THAT THERE ARE NO GAPS BETWEEN THE CONNECTING STEELWORK.
- ENSURE THAT THE HOLES ARE ALIGNED AND THAT THE HOLES HAVE THE CORRECT DIAMETER AND SPACING FOR THE CHOSEN HOLLO-BOLT.
- THE HOLES MUST BE STANDARD DIAMETER HOLES CONFORMING TO AISI 360 WHERE THE HOLE DIAMETER MUST BE NO GREATER THAN THE SLEEVE OUTER DIAMETER +1/16".
- BURRS IN THE HOLES MUST BE REMOVED BEFORE INSERTION OF THE HOLLO-BOLT.

B. INSPECTION DURING INSTALLATION

- ENSURE THAT THE HOLLO-BOLTS ARE INSTALLED AS PER LINDAPTER'S INSTALLATION INSTRUCTION SHEET.
 - ENSURE THAT THE TORQUE WRENCH(S) HAS A CURRENT VALID CALIBRATION CERTIFICATE AND IS CALIBRATED ON REGULAR BASIS.
 - IF USING AIR POWERED WRENCHES TO TIGHTEN THE HOLLO-BOLT, CHECK THAT THE WRENCH IS SET CORRECTLY TO AVOID OVERTIGHTING. THE FINAL TORQUE MUST BE CHECKED WITH A CALIBRATED TORQUE WRENCH.
 - IF AFTER TIGHTENING THERE IS A GAP EVIDENT BETWEEN THE HOLLO-BOLT AND THE CONTACT SURFACE OF THE CONNECTING ELEMENT THIS MAY INDICATE INCORRECT INSTALLATION. REMOVE AND DISCARD THE HOLLO-BOLT, REALIGN THE CONNECTING STEELWORK AND INSTALL A NEW HOLLO-BOLT AS PER LINDAPTER'S INSTALLATION INSTRUCTION SHEET.
 - IF AFTER TIGHTENING THE BOLT HEAD CONTINUES TO TURN THIS MAY BE AN INDICATION OF OVER TIGHTENING. OR IF USING A STAINLESS STEEL HOLLO-BOLT THIS MAY BE DUE TO GALLING*. REMOVE AND DISCARD THE HOLLO-BOLT AND INSTALL A NEW HOLLO-BOLT AS PER LINDAPTER'S INSTALLATION INSTRUCTION SHEET.
- * 'GALLING' IS A TERM USED WHEN TWO SURFACES SEIZE UP AS A RESULT OF COLD WELDING AND IS COMMON WHEN TIGHTENING STAINLESS STEEL BOLTS.

C. INSPECTION AFTER INSTALLATION

- ENSURE THAT THERE ARE NO GAPS BETWEEN THE CONNECTING STEELWORK.
- ENSURE THAT THERE ARE NO GAPS BETWEEN THE HOLLO-BOLT AND THE CONTACT SURFACE OF THE CONNECTING ELEMENT.
- CHECK THE TIGHTENING TORQUE OF BETWEEN 5-10% OF THE INSTALLED HOLLO-BOLTS CHOSEN AT RANDOM USING A CALIBRATED TORQUE WRENCH.



FOOTNOTES

- WAIVER OF CONTINUOUS BATCH PLANT INSPECTION (PER CBC 1705A3.3.1 AND DSA IR 17-13)
 - CONTINUOUS BATCH PLANT INSPECTION MAY BE WAIVED IF THE CONCRETE PLANT COMPLIES FULLY WITH ASTM C94, SECTION 9 AND 10, AND HAS A CURRENT CERTIFICATION FROM THE NATIONAL READY MIXED CONCRETE ASSOCIATION OR ANOTHER AGENCY ACCEPTABLE TO THE ENFORCEMENT AGENCY. THE CERTIFICATION SHALL INDICATE THAT THE PLANT HAS AUTOMATIC BATCHING AND RECORDING CAPABILITIES.
 - IF THE BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING REQUIREMENTS a) THRU c) SHALL BE MET:
 - AN APPROVED AGENCY OR CERTIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCH AT START OF WORK DAY TO VERIFY MATERIALS AND PROPORTIONS CONFORM TO THE APPROVED MIX DESIGN.
 - THE LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
 - BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD PRIOR TO CONCRETE PLACEMENT.
- ELIMINATION OF CONTINUOUS BATCH PLANT INSPECTION (PER CBC 1705A3.3.2)
 - BATCH PLANT INSPECTION IS NOT REQUIRED FOR ANY OF THE FOLLOWING CONDITIONS:
 - SITE FLATWORK.
 - UNENCLOSED SITE STRUCTURES, INCLUDING BUT NOT LIMITED TO LUNCH OR CAR SHELTERS, BLEACHERS, SOLAR STRUCTURES, FLAG OR LIGHT POLES, OR RETAINING WALLS.
 - CONTROLLED LOW-STRENGTH MATERIAL BACKFILL, OR
 - SINGLE STORY RELOCATABLE BUILDINGS LESS THAN 2,160 SQUARE FEET.
- PER CBC 1910A.2, TESTING MAY BE WAIVED FOR ONE-STORY BUILDINGS IF A CERTIFIED MILL TEST REPORT IS PROVIDED.
- REQUIRED ONLY WHERE DETAILS SPECIFY THE USE OF THESE ATTACHMENTS.
- NOT USED
- THE APPENDIX TO DSA-103 SHALL BE COMPLETED BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
- ULTRASONIC TESTING PER DSA IR-PC2 SECTION 10.1 SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEET SS.1 HAVE A THICKNESS OF 3/4" OR GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS. NONDESTRUCTIVE TESTING OF COMPLETE JOINT PENETRATION WELDS AT GRAVITY CONNECTIONS SHALL COMPLY WITH AISI 360, CHAPTER N, PER 2022 CBC 1705A.2.1.
- EXAMPLE DSA-103 FORMS WILL BE USED AS GUIDE TO DEVELOP A SITE-SPECIFIC DSA-103 FORM FOR THE SITE-SPECIFIC PROJECT. EXAMPLE FORMS ON THE PC DRAWINGS WILL BE CROSSED OUT WHEN SITE-SPECIFIC DSA-103 FORMS ARE PROVIDED DURING OTC REVIEW.
- QUALIFIED REPRESENTATIVE OF LABORATORY OF RECORD OR APPROVED SPECIAL INSPECTOR SHALL VERIFY ALL STEEL IDENTIFICATION PER 2022 CBC 2202A.1 AND DSA IR 17-3 STRUCTURAL WELDING INSPECTION.

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

Application Number: 04-122050	School Name: PC	School District: PC
DSA File Number:	Increment Number:	Date Created: 2023-11-01 14:38:17

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, and storage 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		2. PERFORMED BY	
1. TYPE		GE (Geotechnical Engineer) - Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. LOR (Laboratory of Record) - Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. PI (Project Inspector) - Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. SI (Special Inspection) - Indicates that the special inspection shall be performed by an appropriately qualified approved special inspector.	
Continuous - Indicates that a continuous special inspection is required			
Periodic - Indicates that a periodic special inspection is required			
Test - Indicates that a test is required			
S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
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	Performed By	Code References and Notes
		SI	Table 1705A.2.1 Items 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 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Inspect groove welds, multi-pass fillet welds, single-pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1-4; AISI 360-16 (and AISI 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; AISI 360-16 (and AISI 341-16 as applicable); DSA IR 17-3.
Test or Special Inspection			
S/A6. NONDESTRUCTIVE TESTING:			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Magnetic Particle	Test	LOR	1705A.2.1, 1705A.2.5; AISI 341-16 J6.2, AISI 360-16 NS.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
S/A11. Other Steel			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Shop Welding - inspect welding of cold-formed steel	Periodic	SI	
Periodic/Special Inspector			
b. Hollow bolts	Continuous	PI	Verify the torque installation torque

- Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
- Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

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

Application Number: 04-122050	School Name: PC	School District: PC
DSA File Number:	Increment Number:	Date Created: 2023-11-01 14:47:08

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, and storage 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		2. PERFORMED BY	
1. TYPE		GE (Geotechnical Engineer) - Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. LOR (Laboratory of Record) - Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. PI (Project Inspector) - Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. SI (Special Inspection) - Indicates that the special inspection shall be performed by an appropriately qualified approved special inspector.	
Continuous - Indicates that a continuous special inspection is required			
Periodic - Indicates that a periodic special inspection is required			
Test - Indicates that a test is required			
S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Test or Special Inspection	Type	Performed By
	Periodic	SI	Table 1705A.2.1 Items 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.
	Test	LOR	2202A.1
b. Test unidentified materials	Test	LOR	2202A.1
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 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1-4; AISI 360-16 (and AISI 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; AISI 360-16 (and AISI 341-16 as applicable); DSA IR 17-3.
Test or Special Inspection			
S/A6. NONDESTRUCTIVE TESTING:			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Magnetic Particle	Test	LOR	1705A.2.1, 1705A.2.5; AISI 341-16 J6.2, AISI 360-16 NS.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
S/A11. Other Steel			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Shop Welding - inspect welding of cold-formed steel	Periodic	SI	
b. Shop Welding - inspect welding of steel floor deck welds	Periodic	SI	
b. Hollow bolts	Continuous	PI	Verify the torque installation torque

- Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
- Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122977 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 03/12/2025



HMC Architects

3595001000

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

ISSUE

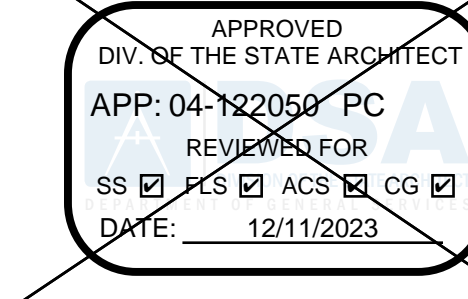
DESCRIPTION	DATE
ADDENDUM "A"	3/20/25



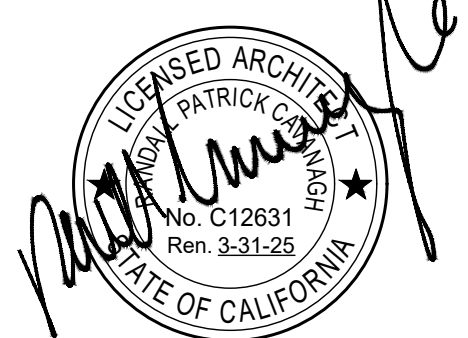
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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)
FORM

SITE SPECIFIC PROJECT NAME



2022 CBC PRE-CHECK (PCI) DOCUMENT
(A SEPARATE APPROVED APPLICATION FOR DSA-103 FORMS IS REQUIRED)
MANUFACTURER PROFESSIONAL OF RECORD ON PC



THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS SHOWN & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS	
1	
2	
3	
4	
DRAWN BY: AA	
SCALE: AS NOTED	
DATE: MMDDYY	
PROJECT NO: XXXX-22	
SHEET TITLE	

FORM
DSA-103

SHEET NUMBER

D1

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
FORM DSA-103

DATE: 04/03/24 CLIENT PROJ NO: 3595001000
SHEET:

72' x 40' BUILDING FLOOR PLAN

STOCKPILE WOOD FLOOR

STOCKPILE CONCRETE FLOOR

PLEASE RECYCLE

D1
ADDENDUM "A"

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC
Application Number: 04-122050 School Name: PC School District: PC
DSA File Number: Increment Number: Date Created: 2023-11-01 15:01:26

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		2. PERFORMED BY
1. TYPE		
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.

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report

S1. GENERAL			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Verify that: • She has been properly prepared prior to placement of controlled fill and/or excavations for foundations. • Foundation excavations are extended to proper depth and have reached proper material. • Materials below footing are adequate to achieve the design bearing capacity.	See Notes	PI	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations is not permitted without a geotechnical report.
S2. SOIL COMPACTION AND FILL			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Verify use of proper materials, densities and inspect lift thickness, placement and compaction during placement of fill.	Continuous	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
b. Compaction testing.	Test	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
C1. CAST-IN-PLACE CONCRETE			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
b. Identify, sample, and test reinforcing steel.	Test	LOR	1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
d. Test concrete (f'c).	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.
e. Batch plant inspection: Continuous	See Notes	SI	Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)
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	SI	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 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3)			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1-4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3)			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Inspect single-pass fillet welds ≤ 5/16".	Periodic	SI	Table 1705A.2.1 Items 5a.5; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
S/A6. NONDESTRUCTIVE TESTING			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Magnetic Particle	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2; AISC 360-16 NS.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
b. Other Steel			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Shop Welding - Inspect welding of cold-formed steel	Periodic	SI	
b. Shop Welding - Inspect welding of steel floor deck welds	Periodic	SI	
c. Hollow bolts	Continuous	PI	Verify the torque installation torque

- Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
- Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291
- Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
- Field Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

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

Application Number: 04-122050 School Name: PC School District: PC
DSA File Number: Increment Number: Date Created: 2023-11-01 15:01:26

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		2. PERFORMED BY
1. TYPE		
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.

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report

S2. SOIL COMPACTION AND FILL			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Verify use of proper materials, densities and inspect lift thickness, placement and compaction during placement of fill.	Continuous	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
b. Compaction testing.	Test	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
C1. CAST-IN-PLACE CONCRETE			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
b. Identify, sample, and test reinforcing steel.	Test	LOR	1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
d. Test concrete (f'c).	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.
e. Batch plant inspection: Continuous	See Notes	SI	Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)
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	SI	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 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3)			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1-4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3)			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Inspect single-pass fillet welds ≤ 5/16".	Periodic	SI	Table 1705A.2.1 Items 5a.5; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
S/A6. NONDESTRUCTIVE TESTING			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Magnetic Particle	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2; AISC 360-16 NS.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
b. Other Steel			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Shop Welding - Inspect welding of cold-formed steel	Periodic	SI	
b. Shop Welding - Inspect welding of steel floor deck welds	Periodic	SI	
c. Hollow bolts	Continuous	PI	Verify the torque installation torque

- Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
- Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291
- Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
- Field Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

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

Application Number: 04-122050 School Name: PC School District: PC
DSA File Number: Increment Number: Date Created: 2023-11-01 15:11:51

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		2. PERFORMED BY
1. TYPE		
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.

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report

S2. SOIL COMPACTION AND FILL			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Verify use of proper materials, densities and inspect lift thickness, placement and compaction during placement of fill.	Continuous	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
b. Compaction testing.	Test	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
C1. CAST-IN-PLACE CONCRETE			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
b. Identify, sample, and test reinforcing steel.	Test	LOR	1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
d. Test concrete (f'c).	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.
e. Batch plant inspection: Continuous	See Notes	SI	Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)
S/A3. WELDING			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3)			
Test or Special Inspection	Type	Performed By	Code References and Notes
a. Inspect single-pass fillet welds ≤ 5/16".	Periodic	SI	Table 1705A.2.1 Items 5a.5; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.

- Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
- Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291
- Field Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292



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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)



SITE SPECIFIC PROJECT NAME

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122050-PC
REVIEWED FOR
SS FLS ACS
DATE: 12/11/2023

2022 CBC PRE-CHECK (PI) DOCUMENT
A SEPARATE DOCUMENT FOR CONSTRUCTION OF RECORD IS REQUIRED

MANUFACTURER PROFESSIONAL OF RECORD ON PC



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REVISIONS

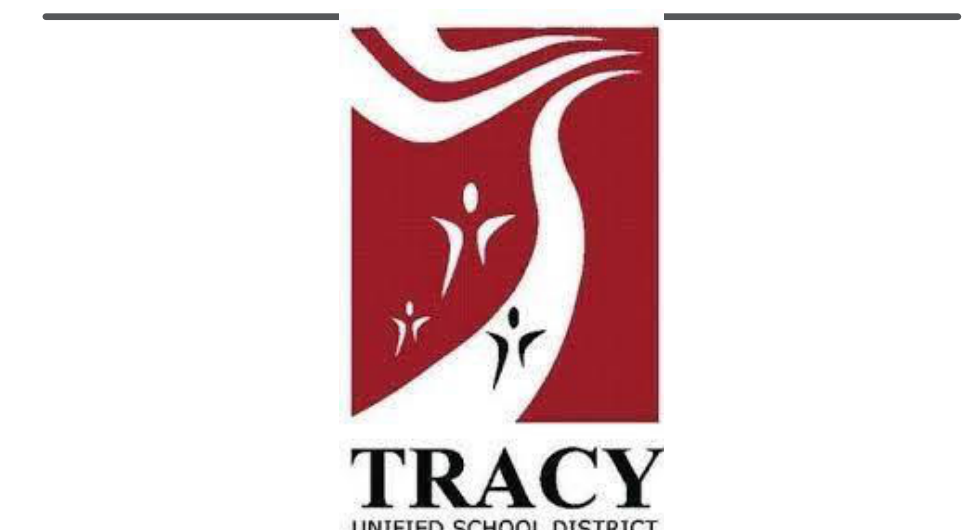
DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22
SHEET TITLE:

FORM
DSA-103

SHEET NUMBER:

D2

PLEASE RECYCLE



3595001000

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

ISSUE
DESCRIPTION DATE
ADDENDUM "A" 3/20/25

KEYNOTES

GENERAL NOTES

CONSTRUCTION OF PERMANENT MODULAR RELOCATABLE BUILDING - WOOD FLOOR / CONCRETE FOUNDATION

CONSTRUCTION OF PERMANENT MODULAR RELOCATABLE BUILDING - CONCRETE FLOOR / CONCRETE FOUNDATION

RELOCATION OF CERTIFIED RELOCATABLE BUILDING

CONSTRUCTION OF PERMANENT MODULAR RELOCATABLE BUILDING - WOOD FLOOR / CONCRETE FOUNDATION

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RELOCATION OF CERTIFIED RELOCATABLE BUILDING

ADDENDUM "A"

Autodesk Docs: 13585001000 TUSD TK CLASSROOMS 2025 R22.23585001000-A-TUSD-BOHN-SITE-M 12/2/2024 8:56:44 AM

THE LINE BELOW INDICATES THE LOCATION OF THE SHEET'S ORIGINAL SCALE. THE SCALE OF THIS SHEET IS 1/4" = 1'-0".

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122977 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 03/12/2025



HMC Architects

3595001000

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

ISSUE	
DESCRIPTION	DATE
ADDENDUM "A"	3/20/25

KEYNOTES

GENERAL NOTES

AMS

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)
FORM

SITE SPECIFIC PROJECT NAME
.
.
.

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122050 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 12/11/2023

2022 CBC PRE-CHECK (PC) DOCUMENT
(A SEPARATE DOCUMENT APPROVED FOR CONSTRUCTION IS REQUIRED.)
MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
PATRICK A. BOHN
No. C12631
Ren. 3-31-25
STATE OF CALIFORNIA

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UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS	
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DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE
BELOW GRADE CONCRETE MIX
DESIGN REQUIREMENTS

SHEET NUMBER:

N1.0A

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
BELOW GRADE CONCRETE MIX DESIGN
REQUIREMENTS

DATE: 04/03/24	CLIENT PROJ NO: 3595001000
SHEET:	

N1.0A
ADDENDUM "A"

DEFAULT CONCRETE MIX DESIGN REQUIREMENTS FOR BELOW GRADE NORMAL WEIGHT CONCRETE ⁽¹⁾						
BELOW GRADE CONCRETE ELEMENT	MAXIMUM W/C RATIO	MINIMUM 28-DAY STRENGTH (F _c) (PSI)	CEMENTITIOUS MATERIALS (CEMENT TYPE PER ASTM C150)	TARGET AIR CONTENT (%)		
				MAX AGGREGATE SIZE (IN)	<input checked="" type="checkbox"/> CONCRETE NOT EXPOSED TO FREEZING-AND-THAWING CYCLES	<input type="checkbox"/> CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES
FOUNDATIONS ⁽²⁾	0.45	4500	V	1" ± ¾"	N/A	6
FOUNDATION VENTS & ACCESS WELLS	0.45	4500	V	3/8"	N/A	7.5
				1/2"	N/A	7
				1" ± ¾"	N/A	6

⁽¹⁾ PROPORTIONING OF CONCRETE MIXTURES SHALL BE IN ACCORDANCE WITH ACI 318-19, SECTION 26.4.3.
DOCUMENTATION OF CONCRETE MIXTURE CHARACTERISTICS SHALL BE IN ACCORDANCE WITH ACI 318-19, SECTION 26.4.4.
CEMENT SHALL BE CERTIFIED PER TITLE 24, PART 2, SECTION 1910A.1.
SEE CONCRETE NOTES ON SHEET N1.0 FOR ADDITIONAL REQUIREMENTS.

⁽²⁾ FOUNDATIONS CONSERVATIVELY DESIGNED FOR A MINIMUM 28-DAY CONCRETE STRENGTH OF 3,500 PSI.

OPTIONAL SITE-SPECIFIC CONCRETE MIX DESIGN REQUIREMENTS FOR BELOW GRADE NORMAL WEIGHT CONCRETE ⁽¹⁾ (MOST RESTRICTIVE REQUIREMENTS FROM EXPOSURE TABLES BELOW)						
BELOW GRADE CONCRETE ELEMENT	MAXIMUM W/C RATIO	MINIMUM 28-DAY STRENGTH (F _c) (PSI)	CEMENTITIOUS MATERIALS (CEMENT TYPE PER ASTM C150)	MAX AGGREGATE SIZE (IN)	TARGET AIR CONTENT (%)	MAXIMUM WATER-SOLUBLE CHLORIDE ION (C1) CONTENT IN CONCRETE, PERCENT BY WEIGHT OF CEMENT
FOUNDATIONS ⁽²⁾				1" ± ¾"		
FOUNDATION VENTS & ACCESS WELLS				3/8"		
				1/2"		
				1" ± ¾"		

⁽¹⁾ PROPORTIONING OF CONCRETE MIXTURES SHALL BE IN ACCORDANCE WITH ACI 318-19, SECTION 26.4.3.
DOCUMENTATION OF CONCRETE MIXTURE CHARACTERISTICS SHALL BE IN ACCORDANCE WITH ACI 318-14, SECTION 26.4.4.
CEMENT SHALL BE CERTIFIED PER TITLE 24, PART 2, SECTION 1910A.1.
SEE CONCRETE NOTES ON SHEET N1.0 FOR ADDITIONAL REQUIREMENTS.

⁽²⁾ FOUNDATIONS HAVE BEEN DESIGNED FOR THE WORST CASE MINIMUM 28-DAY CONCRETE STRENGTH OF 3,500 PSI.

EXPOSURE CATEGORY: FREEZING & THAWING (F) (ACI 318-19, SECTION 19.3)						
EXPOSURE CLASS ⁽²⁾	CONDITION	MAXIMUM W/C RATIO	MINIMUM 28-DAY STRENGTH (F _c) (PSI)		AIR CONTENT	
			FOUNDATIONS	FOUNDATION VENTS & ACCESS WELLS	MAX AGGREGATE SIZE (IN) ⁽³⁾	TARGET AIR CONTENT (%)
<input type="checkbox"/> F0	CONCRETE NOT EXPOSED TO FREEZING-AND-THAWING CYCLES	0.55	3500	3000	N/A	
<input type="checkbox"/> F1	CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES WITH LIMITED EXPOSURE TO WATER	0.55	3500	3500	3/8" 1/2" 3/4" 1 1 1/2"	6 5.5 5 4.5 4.5
<input type="checkbox"/> F2	CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES WITH FREQUENT EXPOSURE TO WATER	0.45	4500	4500	3/8" 1/2" 3/4"	7.5 7 6
<input type="checkbox"/> F3	CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES WITH FREQUENT EXPOSURE TO WATER AND EXPOSURE TO DEICING CHEMICALS	0.40	5000	5000	1 1 1/2"	6 5.5

⁽¹⁾ IF EXPOSURE CLASS IS UNKNOWN, F2 MAY BE ASSUMED.
⁽²⁾ SEE CONCRETE NOTES ON SHEET N1.0 FOR MAX AGGREGATE SIZES.

EXPOSURE CATEGORY: SULFATE (S) (ACI 318-19, SECTION 19.3)						
EXPOSURE CLASS ⁽²⁾	CONDITION		MAXIMUM W/C RATIO	MINIMUM 28-DAY STRENGTH (F _c) (PSI)		CEMENTITIOUS MATERIALS (CEMENT TYPE PER ASTM C150)
	WATER-SOLUBLE SULFATE (SO ₄ ²⁻) IN SOIL, PERCENT BY MASS ⁽³⁾	DISSOLVED SULFATE (SO ₄ ²⁻) IN WATER, PPM ⁽³⁾		FOUNDATIONS	FOUNDATION VENTS & ACCESS WELLS	
<input type="checkbox"/> S0	SO ₄ ²⁻ < 0.10	SO ₄ ²⁻ < 150	0.55	3500	3500	I OR II
<input type="checkbox"/> S1	0.10 ≤ SO ₄ ²⁻ < 0.20	150 ≤ SO ₄ ²⁻ < 1500 OR SEAWATER	0.50	4000	4000	II
<input type="checkbox"/> S2	0.20 ≤ SO ₄ ²⁻ ≤ 2.00	1500 ≤ SO ₄ ²⁻ ≤ 10,000	0.45	4500	4500	V
<input type="checkbox"/> S3	SO ₄ ²⁻ > 2.00	SO ₄ ²⁻ > 10,000	0.45	4500	4500	V PLUS FLYASH OR SLAG CEMENT ⁽⁴⁾

⁽¹⁾ IF EXPOSURE CLASS IS UNKNOWN, S2 MAY BE ASSUMED.
⁽²⁾ PERCENT SULFATE BY MASS IN SOIL SHALL BE DETERMINED BY ASTM C1360.
⁽³⁾ CONCENTRATION OF DISSOLVED SULFATES IN WATER, IN PPM, SHALL BE DETERMINED BY ASTM D516 OR ASTM D4130.
⁽⁴⁾ PER ACI 318-14, TABLE 19.3.2.1, FOOTNOTE 6, THE AMOUNT OF THE POZZOLAN OR SLAG CEMENT TO BE USED SHALL BE AT LEAST THE AMOUNT THAT HAS BEEN DETERMINED BY SERVICE RECORD TO IMPROVE SULFATE RESISTANCE WHEN USED IN CONCRETE CONTAINING TYPE V CEMENT. ALTERNATIVELY, THE AMOUNT OF THE SPECIFIC SOURCE OF THE POZZOLAN OR SLAG CEMENT TO BE USED SHALL BE AT LEAST THE AMOUNT TESTED IN ACCORDANCE WITH ASTM C1012 AND MEETING THE CRITERIA IN ACI 318-14, SECTION 26.4.2.2(c). SEE CONCRETE NOTES ON SHEET N1.0 FOR ADDITIONAL REQUIREMENTS.

EXPOSURE CATEGORY: IN CONTACT WITH WATER (W) (ACI 318-19, SECTION 19.3)					
EXPOSURE CLASS	CONDITION	MAXIMUM W/C RATIO	MINIMUM 28-DAY STRENGTH (F _c) (PSI)		ADDITIONAL REQUIREMENTS
			FOUNDATIONS	FOUNDATION VENTS & ACCESS WELLS	
<input type="checkbox"/> W0	CONCRETE DRY IN SERVICE OR CONCRETE IN CONTACT WITH WATER AND LOW PERMEABILITY IS NOT REQUIRED	0.55	3500	3000	NONE
<input type="checkbox"/> W1 ⁽¹⁾	CONCRETE IN CONTACT WITH WATER AND LOW PERMEABILITY IS REQUIRED	0.50	4000	4000	NONE

⁽¹⁾ EXPOSURE CLASS W1 IS ONLY REQUIRED IF CONCRETE IS BELOW THE GROUNDWATER TABLE.

EXPOSURE CATEGORY: CORROSION PROTECTION OF REINFORCEMENT (C) (ACI 318-19, SECTION 19.3)					
EXPOSURE CLASS	CONDITION	MAXIMUM W/C RATIO	MINIMUM 28-DAY STRENGTH (F _c) (PSI)		MAXIMUM WATER-SOLUBLE CHLORIDE ION (C1) CONTENT IN CONCRETE, PERCENT BY WEIGHT OF CEMENT
			FOUNDATIONS	FOUNDATION VENTS & ACCESS WELLS	
<input type="checkbox"/> C1	CONCRETE EXPOSED TO MOISTURE BUT NOT TO AN EXTERNAL SOURCE OF CHLORIDES	0.55	3500	3000	0.30
<input type="checkbox"/> C2	CONCRETE EXPOSED TO MOISTURE AND AN EXTERNAL SOURCE OF CHLORIDES FROM DEICING CHEMICALS, SALT, BRACKISH WATER, SEAWATER, OR SPRAY FROM THESE SOURCES	0.40	5000	5000	0.15

SHEET NOTES:

- THE DEFAULT CONCRETE MIX DESIGN REQUIREMENTS MAY BE SELECTED AND USED TO DETERMINE THE CONCRETE MIX REQUIREMENTS FOR ANY SITE PER DSA IR PC-2 SECTION 5.5 OR PC-6 SECTION 5.5.
- THE DEFAULT CONCRETE MIX DESIGN REQUIREMENTS MAY BE SELECTED REGARDLESS OF WHETHER A SITE SPECIFIC GEOTECHNICAL REPORT EXISTS FOR THE SITE.
- IF THE SITE CONDITIONS FOR THE SOIL ARE KNOWN AS REPORTED BY A GEOTECHNICAL OR OTHER APPROVED SOIL CONDITIONS REPORT, THE OPTIONAL SITE-SPECIFIC CONCRETE MIX DESIGN REQUIREMENTS MAY BE UTILIZED.
- IF THE OPTIONAL SITE-SPECIFIC CONCRETE MIX DESIGN REQUIREMENTS ARE UTILIZED, THE REPORT MUST BE REFERENCED ON THE COVER SHEET OF THIS DRAWING PACKAGE.

PLEASE RECYCLE

COORDINATION OF WORK

THE CONTRACTOR IS RESPONSIBLE FOR MAKING 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 ANY 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 CLASSROOMS) PRIOR TO THE DELIVERY OF ANY CLASSROOMS) 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 QUALITIES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE ROPRC 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

- UP TO TEN (10) MODULES, APPROXIMATELY 12' x 40', DESIGNED SO THAT TWO (2) OR MORE 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 (2) IMPRINTED (STAMPED, NOT ENGRAVED) METAL IDENTIFICATION TAGS 3 1/4" x 1 1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:
 - MANUFACTURER'S NAME AND BUILDING SERIAL NUMBER.
 - DESIGN WIND SPEED / EXPOSURE
 - DESIGN SEISMIC S_e VALUE
 - DESIGN ROOF LIVE LOAD & SNOW LOAD
 - DESIGN FLOOR LIVE LOAD
 - D.S.A. APPLICATION NUMBER
- 2 TAGS PER MODULE: ONE ON EXTERIOR, AND ONE ON MODULE BEAM AT FRONT OF BUILDING ABOVE CEILING.
- 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 MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFTS 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 ROPRC, 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.

MARKERBOARD SPECIFICATIONS

MARKERBOARDS SHALL BE 24 GA. PORCELAIN STEEL FACING SHEET SUITABLE TO ACCEPT DRY ERASE FELT MARKERS. THE FACING SHEET SHALL BE LAMINATED TO PARTICLE BOARD SUBSTRATE WITH A MINIMUM DENSITY OF 48LB./CU. FT. THE PANEL SHALL HAVE A FOIL BACKING. THE PANELS SHALL HAVE EXTRUDED ALUMINUM MOLDING AND CHALKRAIL WITH A MINIMUM OF 2 1/16" PROJECTION FROM THE FACE OF PANEL. THREE (3) MAP HOOKS WITH (2) HOOKS PER PANEL SHALL BE PROVIDED. ONE FLAG HOLDER, 1/2" SIZE, SHALL BE PROVIDED FOR EACH CLASSROOM. EACH CLASSROOM SHALL HAVE 2 EACH 4"x8" PANELS INSTALLED SIDE BY SIDE TO MAKE A 4'x16" PANEL, CENTERED ON THE WALL.

FOR ANCHORAGE DETAIL, SEE DETAIL 804.0.

REFERENCE BRANDS: CHATFIELD-CLARKE CO. INC. SERIES 500 OR NELSON ADAMS CO. NACO SERIES 50.

GENERAL NOTE

IT IS THE RESPONSIBILITY OF THE DESIGN PROFESSIONAL ON RECORD TO ENSURE THAT ALL SPECIFICATIONS MEET THE MINIMUM REQUIREMENTS OF THE CURRENT EDITION S OF THE CALIFORNIA STATE TITLES 19 AND 24. APPROVAL OF THESE SPECIFICATIONS DOES NOT CONSTITUTE APPROVAL FOR WAIVER OR ANY REQUIREMENTS OF THOSE REGULATIONS.

INTERIOR

- FLOOR COVERING: PER CBC SECTION 804, COMPLY WITH NFPA 253 CLASS I OR II, COMPLY WITH ASTM E 648 FOR SPECIFIC OPTICAL DENSITY SMOKE RATING NOT TO EXCEED 450. IN EXIT PASSAGEWAYS OR CORRIDORS, THE MINIMUM CRITICAL RADIANT FLUX (CBC 804.4.2) SHALL NOT BE LESS THAN CLASS II. (CARPET SHALL BE SECURELY ATTACHED, HAVE FIRM CUSHION, PAD OR BACKING, OR NONE AT ALL. PILE YARN SHALL BE BRANDED NYLON AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL-CUT PILE OR LEVEL-CUT/UNCUT PILE TEXTURE. THE MAXIMUM PILE HEIGHT SHALL BE 1/2" INCH. NO CROSS SEAMS SHALL BE ALLOWED. THE CARPET DENSITY SHALL BE 4600 MINIMUM. CARPET EDGE TRIM SHALL COMPLY WITH SECTION 11B-303. COLOR TO BE SELECTED BY THE ROPRC OR OWNER.)
- BASE: RESILIENT COVE BASE - BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH MOULDED TOP SET COVE. PROVIDE PREFORMED BASE FOR SQUARE EXTERNAL CORNERS AND PREFORMED END STOPS WHERE BASE DOES NOT ABUT. SOLID COLOR AS MANUFACTURE BY "JOHNSONITE CO.", FLEXCO, OR EQUAL. APPLY COVE TO COMPLETE PERIMETER OF CLASSROOM.
- INTERIOR WALLS SHALL BE VINYL COVERED TACKBOARD (U.O.N) 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 FOOT. THE VINYL COATING SHALL BE MADE OF VIRGIN VINYL CALENDERED BASE COLOR, WEIGHING A MINIMUM OF 0.02 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 OSB SHEATHING. THE VINYL WALL COVERED PANEL SHALL HAVE A CLASS "C" RATING (PER ASTM E 84 OR UL 723). FLAME SPREAD/SMOKE DEVELOPED INDEX MAXIMUMS PER NOTE BE BELOW. THE PANEL SHALL BE APPROVED FOR CLASSROOM UTILITY BY THE CALIFORNIA STATE FIRE MARSHAL. REFERENCE BRAND: VINYL COVERED TACKBOARD AS MANUFACTURED BY CHATFIELD-CLARKE 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. TACKBOARD FLAME SPREAD: 126.6 & SMOKE DEVELOPMENT: 45.
- CEILING: SUSPENDED T-BAR SYSTEM, SEE SHEET M-4 FOR DETAILS. MATERIALS AND INSTALLATION PER ASTM C635, ASTM C638, ASTM E580, AND DSA-IR 25-2.13 AS APPLICABLE TO CLASSROOMS. PANELS SHALL BE 58" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-UP PANELS. SQUARE EDGE, LIGHT REFLECTION 75% MINIMUM. NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. ASTM E 84 TESTED, RATED CLASS "C", FLAME SPREAD INDEX NOT TO EXCEED 200, SMOKE DEVELOPED INDEX RATING NOT TO EXCEED 450.
- THE INTERIOR ENVIRONMENT SHALL BE ASSEMBLED WITH PRODUCTS THAT CONTRIBUTE TO A HEALTHY INDOOR AIR QUALITY (IAQ). THE FOLLOWING SHALL COMPLY TITLE 24, PART 11 ("CAL-GREEN"), SECTION 5.504.4. (SEE SHEET N-1.0, SECTION 9C "INTERIOR AIR QUALITY CONTROL")
- FLAME SPREAD/SMOKE-DEVELOPED INDEX (TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723, PER CBC 803.1.1):

WALL FINISH MATERIAL (CLASS "C")	PIPE INSULATION (CLASS "A")
FLAME SPREAD MAX = 200	FLAME SPREAD MAX = 25
SMOKE DEVELOPED MAX = 450	SMOKE DEVELOPED MAX = 450

BUILDING INSULATION (CLASS "A")	DUCT INSULATION (CLASS "A")
FLAME SPREAD MAX = 25	SMOKE DEVELOPED MAX = 50
SMOKE DEVELOPED MAX = 450	SMOKE DEVELOPED MAX = 50
- TOILET PARTITIONS: SOLID PLASTIC BY ACCURATE PARTITIONS CORP. OR EQUIVALENT w/ FLOOR ANCHORS, OVERHEAD BRACED OR EQUIVALENT. MINIMUM FLAME SPREAD RATING: 50. MINIMUM SMOKE DEVELOPMENT: RATING: 450. (BY OTHERS)
- INTERIOR VENTILATION: EAVE VENTS AND ATTIC VENTS SHALL BE PROVIDED WITH CORROSION-RESISTANT WIRE CLOTH SCREENING, HARDWARE CLOTH, PERFORATED VINYL OR SIMILAR MATERIAL WITH OPENINGS HAVING A LEAST DIMENSION OF NOT LESS THAN 1/16" AND NOT MORE THAN 1/4" INCH. PER C.B.C. SECTION 1202.2.

DOORS & WINDOWS

- EXTERIOR DOORS: METAL DOORS - 3'-0" x 7'-0" HOLLOW METAL DOOR CONSTRUCTION OF 1 SHEET OF 18 GA. GRADE I STEEL ASSEMBLED PER CS242 MINIMUM, AND REINFORCED WITH 20 GA. MINIMUM. FILL DOOR SPACES WITH CALIFORNIA WOOL OR OTHER MATERIAL. (REINFORCED OSB) WITH 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 A36 & CS242. HARDWARE REINFORCEMENT SHALL BE 10 GA. PLATE. FRAMES SHALL BE DESIGNED WITH IN-TENSILE STOP AND PROVIDE (3) ANCHORS PER JAMB PLUS ADJUSTABLE FLOOR ANCHOR. ROOMS WITH AN OCCUPANT LOAD OF FIVE OR MORE SHALL HAVE DOOR HARDWARE CAPABLE OF BEING LOCKED FROM THE INSIDE. (PER CBC 1010.1.1)
- 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 GLAZED WINDOW PANEL CONSISTING OF TWO LITES 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 OR 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 INTERIOR OSB SURFACE. ALL WINDOWS SHALL MEET THE AIAA GS101-88 VOLUNTARY SPEC. FOR ALUMINUM PRIME WINDOWS AND SLIDING GLASS (ANSI), COMMERCIAL GRADE.
- WINDOWS TO MATCH WHAT IS REQUIRED BY ENERGY REPORT. IF WINDOWS MUST BE NFR RATED THAN NFR RC LABELS SHALL BE LEFT ON THE WINDOWS FOR THE INSPECTOR TO VERIFY.

MECHANICAL EQUIPMENT PROTECTION

- ALL MECHANICAL EQUIPMENT SHALL BE THOROUGHLY CLEANED PROGRESSIVELY DURING CONSTRUCTION AND COMPLETION OF THE JOB. ALL OPEN ENDS OF DUCTWORK AND EQUIPMENT SHALL BE COVERED AT END OF EACH WORK DAY AND DURING SHIPMENT OF RELOCATABLE BUILDINGS

FOUNDATION CLEARANCES FROM SLOPES

CBC 1808A.7.1 BUILDING CLEARANCE FROM ASCENDING SLOPES. IN GENERAL, BUILDINGS BELOW SLOPES SHALL BE SET A SUFFICIENT DISTANCE FROM THE SLOPE TO PROVIDE PROTECTION FROM SLOPE DRAINAGE, EROSION AND SHALLOW FAILURES, EXCEPT AS PROVIDED IN SECTION CBC 1808A.7.3 AND FIGURE CBC 1808A.7.1. THE FOLLOWING CRITERIA WILL BE ASSUMED TO PROVIDE THIS PROTECTION, WHERE THE EXISTING SLOPE IS STEEPER THAN ONE UNIT VERTICAL IN ONE UNIT HORIZONTAL (100 PERCENT SLOPE). THE TOE OF THE SLOPE SHALL BE ASSUMED TO BE AT THE INTERSECTION OF A HORIZONTAL PLANE DRAWN FROM THE TOP OF THE FOUNDATION AND A PLANE DRAWN TANGENT TO THE SLOPE AT AN ANGLE OF 45 DEGREES (0.79 RAD) TO THE HORIZONTAL. WHERE A RETAINING WALL IS CONSTRUCTED AT THE TOE OF THE SLOPE, THE HEIGHT OF THE SLOPE SHALL BE MEASURED FROM THE TOP OF THE WALL TO THE TOP OF THE SLOPE.

CBC 1808A.7.2 FOUNDATION SETBACK FROM DESCENDING SLOPE SURFACE. FOUNDATIONS ON OR ADJACENT TO SLOPE SURFACES SHALL BE FOUND IN FIRM MATERIAL WITH AN EMBEDMENT AND SET BACK FROM THE SLOPE SURFACE SUFFICIENT TO PROVIDE VERTICAL AND LATERAL SUPPORT FOR THE FOUNDATION WITHOUT DETRIMENTAL SETTLEMENT, EXCEPT AS PROVIDED FOR IN SECTION CBC 1808A.7.3 AND FIGURE CBC 1808A.7.1. THE FOLLOWING SETBACK IS DEEMED ADEQUATE TO MEET THE CRITERIA, WHERE THE SLOPE IS STEEPER THAN 1 UNIT VERTICAL IN 1 UNIT HORIZONTAL (100 PERCENT SLOPE). THE REQUIRED SETBACK SHALL BE MEASURED FROM AN IMAGINARY PLANE 45 DEGREES (0.79 RAD) TO THE HORIZONTAL, PROJECTED UPWARD FROM THE TOE OF THE SLOPE.

FIRE EXTINGUISHER

- EACH CLASSROOM SHALL BE EQUIPPED WITH PRESSURE TYPE FIRE EXTINGUISHERS WITH 2A10BC UL RATING. MOUNT ON THE INTERIOR WALL OF THE BUILDING NEAR THE DOORWAYS AT A MAXIMUM HEIGHT OF 4 FEET TO THE TOP OF THE OPERATING HANDLE, AND THE BOTTOM OF F.E. MOUNTED 27" OR LESS A.F.F. FIRE EXTINGUISHERS SHALL BE TOTALLY CHARGED AND HAVE A DIAL INDICATING THE STATE OF CHARGE.

ACCESSIBILITY STANDARDS

REFERENCE: 2022 CALIFORNIA BUILDING CODE (TITLE 24, PART 2, CCR), CHAPTER 11B "ACCESSIBILITY TO PUBLIC..."

SECTION 11B-206.2 BUILDING ACCESSIBILITY, GENERAL

- AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ALL BUILDINGS, ELEMENTS, AND AREAS, AND EACH FLOOR INCLUDING MEZZANINES.

SECTION 11B-216 SIGNAGE

(ALSO REFER TO SECTIONS 11B-703, 1009.9, 1009.10, 1023.9)

- TO IDENTIFY PERMANENT ROOMS & SPACES
- TO PROVIDE DIRECTIONS AND INFORMATION ABOUT SPACES & FACILITIES
- TO IDENTIFY MEANS OF EGRESS
 - AREAS OF REFUGE AND AREA FOR ASSISTED RESCUE (PER 1009.9 AND 1009.11)
 - DIRECTIONS TO AN EXIT (PER 1009.10)
 - DELAYED EGRESS LOCKS (PER 1010.1.9.7 ITEM 6)
- EXIT WAYS (PER 1010.4)
 - AT AN EXIT ROUTE VIA ENCLOSURE, PASSAGEWAY, CORRIDOR, HALLWAY, ETC.
 - OTHER HORIZONTAL WAYS WHERE THE EXIT OR EXIT PATH IS NOT IMMEDIATELY VISIBLE (PER 1015.1)
- TO IDENTIFY ACCESSIBLE PARKING SPACES
- TO IDENTIFY ENTRANCES OR ROUTE TO AN ACCESSIBLE ENTRANCE
- TO IDENTIFY ELEVATORS
- TO IDENTIFY TOILET ROOMS
- TO IDENTIFY PUBLIC TELEPHONES, TTY AND ASSISTIVE LISTENING SYSTEMS

SIGNS, WHERE LOCATED WITHIN AN ACCESSIBLE ROUTE, MOUNTED LESS THAN 80" ABOVE THE FINISHED FLOOR, MUST HAVE ROUNDED EDGES OR AN EASED RADIUS MINIMUM OF 0.125".

SECTION 11B-404.2.8 DOOR CLOSING SPEED

- THE SWEEP PREVENT DOORS SHALL BE 5 SECONDS MINIMUM, FROM AN OPEN DOOR POSITION OF 90 DEGREES, TO A DOOR POSITION OF 12" FROM THE LATCH.

SECTION 11B-404.2.9 DOOR OPENING FORCE

- THE EFFORT TO OPEN ANY DOOR SHALL NOT EXCEED 5LBS, EXCEPT FIRE DOORS, WHICH SHALL NOT EXCEED 15LBS FORCE. THE MINIMUM FORCE NEEDED SHALL BE USED.

SECTIONS 11B-404.2.4.3 RECESSED DOORS

- FLAME SPREAD MAX = 25 OR MORE SHALL HAVE STRIKE EDGE CLEARANCES IN ACCORDANCE WITH FIGURE 11B-404.2.4.3.

SECTION 11B-405.5 RAMP WIDTH

- THE CLEAR WIDTH OF A RAMP SHALL BE 48" MINIMUM.

SECTION 11B-505 HANDRAILS

- THE TOP OF THE GRIPPING SURFACE OF HANDRAILS SHALL BE BETWEEN 34" AND 38", MEASURED VERTICALLY FROM WALKING SURFACES AND STAIR NOSINGS.
- HANDRAILS SHALL HAVE AT LEAST 1-1/2" CLEARANCE ALONG THE SIDE, MAX. 20% ABSORPTION OF IMPACT FROM THE BOTTOM (11B-505.6).
- HANDRAILS SHALL EXTEND BEYOND, AND IN THE SAME DIRECTION, OF STAIRS AND RAMPS.

SECTION 11B-606.4 WATER CONTROLS

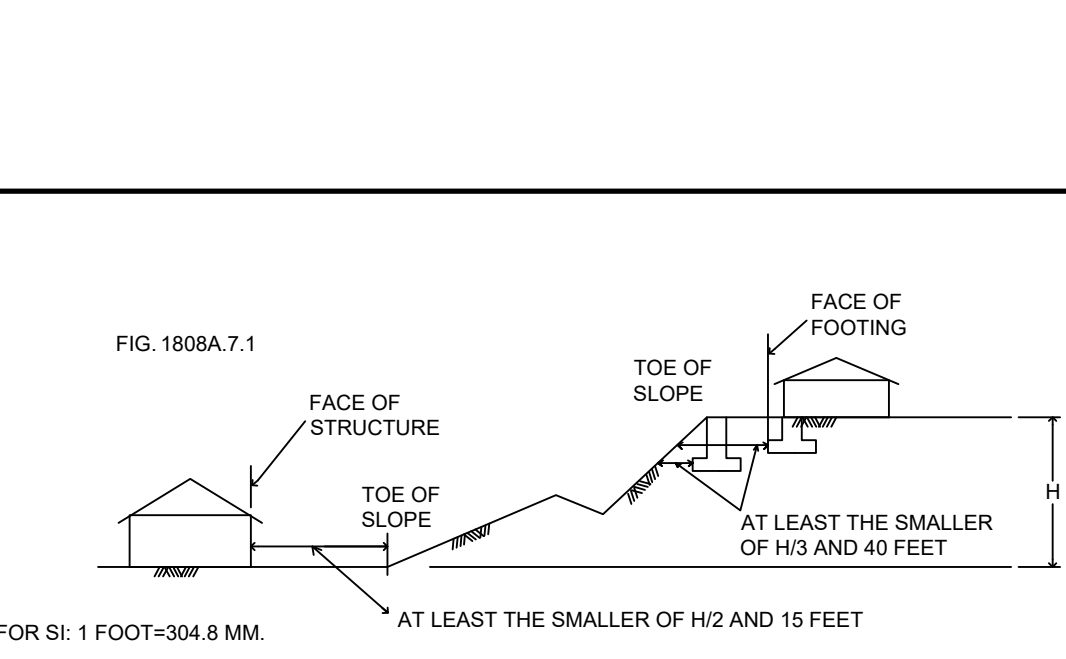
- CONTROLS TO OPERATE A WATER FAUCET OR OUTLET SHALL BE A SINGLE-LEVER DESIGN, CAPABLE OF BEING OPERATED WITH A SINGLE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
- THE FORCE REQUIRED TO OPERATE CONTROLS SHALL NOT EXCEED 5 LBS.

SECTION 11B-604 TOILET ROOMS AND BATHING ROOMS

- AN ACCESSIBLE TOILET STALL SHALL HAVE A MINIMUM WIDTH OF 60" AND SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE, AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WHEN LOCATED AT THE END AND 34 INCHES WHEN LOCATED AT THE SIDE, WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. THE INSIDE AND OUTSIDE OF THE ACCESSIBLE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST. THE LATCH AND PULL SHALL COMPLY WITH 11B-404.2.7. MAXIMUM 5 LB FORCE TO ACTIVATE (11B-309.4).
- EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS, A CLEAR, UNOBSTRUCTED ACCESS OF NOT LESS THAN 44 INCHES SHALL BE PROVIDED TO THE WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DISABILITIES.
- A 27"-29" MINIMUM DIMENSION IS REQUIRED FOR LAVATORY/SINK KNEE CLEARANCE, WHICH IS THE DISTANCE FROM THE FINISH FLOOR TO THE UNDERSIDE OF THE LAVATORY/SINK AND THE LAV FRONT EDGE.
- TABLE 11B-604.9 SUGGESTS DIMENSIONS FOR CHILDREN'S USE.
- TOILET ACCESSORIES LOCATED IN THE CIRCULATION PATH AND WITH THE BOTTOM MOUNTED ABOVE 27" SHALL BE 4" DEEP MAX (11B-307.2).

OUTDOOR VENTILATION REQUIREMENTS:

- CLASSROOMS ARE DESIGNED FOR MINIMUM OUTSIDE AIR OF 0.38 CFM PER SF. PER 1. THE CALIFORNIA ENERGY CODE (CEC), SPACES SHALL BE DESIGNED TO THE MINIMUM REQUIREMENTS AS SPECIFIED OR TO 15 CFM PER OCCUPANT, WHICHEVER IS GREATER. THE BUILDING MANUFACTURER SHALL VERIFY WITH THE SCHOOL DISTRICT THE EXPECTED NUMBER OF OCCUPANTS IN THE CLASSROOM SO THAT THE OUTDOOR VENTILATION RATE FOR MECHANICAL SYSTEMS CAN BE ADEQUATELY ADJUSTED UPON SITE INSTALLATION OF THE BUILDING. THE BUILDING MANUFACTURER SHALL ALSO CONFIRM WITH HVAC EQUIPMENT MANUFACTURER THAT THE SELECTED EQUIPMENT WILL BE ABLE TO PERFORM TO ACCOMMODATE THE ADDITIONAL OUTDOOR AIR REQUIREMENTS UNDER PEAK DESIGN CONDITIONS FOR THE CLIMATE ZONE IN WHICH THE BUILDING IS LOCATED. AT OCCUPANCY, THE BUILDING MANUFACTURER SHALL PROVIDE TO BUILDING OWNER A DESCRIPTION OF THE QUANTITIES OF OUTDOOR AND RECIRCULATED AIR THAT THE VENTILATION SYSTEMS ARE DESIGNED TO PROVIDE TO EACH AREA.



LIGHT GAUGE METAL STUDS & COLD FORMED STEEL

- ALL LIGHT GAUGE METAL STUDS & COLD FORMED STEEL SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF THE AISI S100-16.
- ALL GALVANIZED STUDS, JOISTS, TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A653.
- CUSTOM FORMED SHAPES SHALL BE BENT FROM ASTM A1011 SS STEEL SHEETS.
- STUD AND TRACK DESIGNATIONS ARE BASED ON STEEL STUD MANUFACTURERS ASSOCIATION. ICC-ES EVALUATION REPORT ESR-3064P.
- GALVANIZED FRAMING PRODUCTS SHALL BE COATED IN ACCORDANCE WITH AISI S240-20, SECTION 20.44. PRODUCTS WILL BE FURNISHED WITH A G-60 OR EQUIVALENT COATING IF SPECIFIED, AND SHALL BE IN CONFORMANCE WITH ASTM C-955, OTHERWISE, G-90 OR EQUIVALENT COATING WILL BE PROVIDED.
- WELDING OF LIGHT GAUGE METAL STUDS & COLD FORMED STEEL SHALL COMPLY WITH AWS D1.3-08.
- ALL COLD-ROLLED MEMBERS FABRICATED BY AMS SHALL USE HOT-ROLLED SHEETS WITH THE FOLLOWING MIN. SPECIFICATIONS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

GA.	MATERIAL	DESIGN THICKNESS	MIN. THICKNESS
20	A1011 SS Gr. 36	0.0346"	0.0329"
18	A1011 SS Gr. 36	0.0451"	0.0428"
16	A1011 SS Gr. 50	0.0566"	0.0538"
14	A1011 SS Gr. 45	0.0713"	0.0677"
12	A1011 SS Gr. 45	0.1017"	0.0966"
10	A1011 SS Gr. 50	0.1345"	0.1278"

METAL FLOOR DECK

- SECTION PROPERTIES SHALL BE DERIVED IN ACCORDANCE WITH AISI. "SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, LATEST EDITION".
- METAL DECKING IS TO BE ATTACHED TO THE STRUCTURAL FRAME IN CONFORMANCE WITH AWS D1.1 AND D1.3, "SPECIFICATION FOR WELDING STEEL IN STRUCTURES".

ABBREVIATION LEGEND

ACC	ACCESSIBLE	FOCOL	FACE OF COLUMN
AC	ASPHALT CONCRETE	FOF	FACE OF FINISH
ACI	AIR CONDITIONING	FOP	FACE OF PLYWOOD
ACI	AMERICAN CONCRETE INSTITUTE	FOS	FACE OF STUD
ACOUS	ACOUSTICAL	FRP	FIBERGLASS REINFORCED PLASTIC PANELS
ADD	ADDENDUM	FTT	FOOT
ADDL	ADDITIONAL	FTG	FOOTING
ADJ	ADJUSTABLE OR ADJACENT	FUR	FURRED (H/S)
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	GA	GAUGE
ANSI	AMERICAN IRON AND STEEL INSTITUTE	GB	GYPSUM BOARD
ALUM	ALUMINUM	GL	GLASS OR GLAZING
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	GLV/GALV	GALVANIZED
APA	AMERICAN PLYWOOD ASSOCIATION	GSM	GYPSONUM SHEET METAL
ARCH	ARCHITECTURAL	GYB	GYPSUM BOARD
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	HB	HOSE BIBB
AWC	AMERICAN WOOD COUNCIL	HC	HOLLOW CORE
AWPA	AMERICAN WOOD PROTECTION ASSOCIATION	HDR	HEADER
AWD	AMERICAN WELDING SOCIETY	HDW	HARDWOOD
B	BOARD	HF	HOLLOW METAL (STEEL)
BLDG	BUILDING	HH	HOLLOW METAL (STEEL)
BLK	BLOCK	HSS	HOLLOW STRUCTURAL SECTION (STEEL)
BLKG	BLOCKING	HT	HEIGHT
BLW	BELOW	HO	HOLLOW CORE
BM	BOUNDARY NAILING	HVAC	HEATING VENTILATING AIR CONDITIONING
BT/BOTT	BOTTOM	HW	HOT WATER
BRG	BEARING	I	INTERPRETATION OF REGULATIONS
BTWN	BETWEEN	ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY/ACCESS
BUR	BUILT UP ROOFING	JOINT	JOINT
C	CARPET	KSI	KIPS PER SQUARE INCH (KIPS = 1,000LBS)
CAB	CABINET	KSJ	KIPS PER SQUARE INCH (KIPS = 1,000LBS)
CB	CATCH BASIN	LAM	LAMINATED
CBC	CALIFORNIA BUILDING CODE	LAV	LAVATORY
CA	CALIFORNIA CODE OF REGULATIONS	LB	POUND PER SQUARE FOOT
CEM	CEMENT	LL	LONG LEG HORIZONTAL
CF	CUBIC FOOT	LLH	LONG LEG VERTICAL
CJ	CONTROL JOINT	LNDG	LANDING
CJP	COMPLETE JOINT PENETRATION	LONG	LONGITUDINAL
CLG	CEILING	LS	LA SCREW
CLR	CLEAR	LT	LIGHT
CLT	CERAMIC TILE	LW	LIGHT WEIGHT
CMU	CONCRETE MASONRY UNIT	LWC	LIGHT WEIGHT CONCRETE
CONC	CONCRETE	MATL	MATERIAL
CONN	CONNECTION	MB	MECHANICAL BOLT
CONT	CONTINUOUS	MFG	MANUFACTURING
CSK	CENTER/SINK	MFR	MANUFACTURER
CTRD	CENTERED	MIR	MIRROR
CW	COLD WATER	MISC	MISCELLANEOUS
DBL	DOUBLE	MNL	METAL
DET	DETAIL	N	NOT
DF	DRINKING FOUNTAIN OR DOUGLAS FIR	NC	NOT IN CONTRACT
DIAG	DIAGONAL	NDS	NATIONAL DESIGN SPECIFICATION
DM	DIMENSION	NW	NORMAL WEIGHT CONCRETE
DS	DIVISION	NWC	NORMAL WEIGHT
DOOR	DOOR	O	OVER
DOWNSPOUT	DOWNSPOUT	OC	ON CENTER
DIVISION OF THE STATE ARCHITECT	DIVISION OF THE STATE ARCHITECT	OD	OUTSIDE DIAMETER
DRAWING	DRAWING	OH	OPPOSITE HAND OR OVERHANG
EA	EXISTING	OL	OCCUPANT LOAD
EJ	EXPANSION JOINT	OP	OPENING
ELV	ELEVATION	OSB	ORIENTED STRAND BOARD
ELECT	ELECTRICAL	PAF	POWER-ACTUATED FASTENER
EMBED	EMBEDMENT	PL	PROPERTY LINE
EMT	ELECTRICAL MAGNETIC TUBING	PLAM	PLASTIC LAMINATE
EN	EDGE NAILING (OR EDGE FASTENING)	PLAS	PLASTER
EQ	ET CETERA	PLF	POUNDS PER LINEAL FOOT
EQU	EQUAL	PLT	PLATE
EXP	EXPOSURE	PLWDP	PLYWOOD
EXT	EXTERIOR	PNL	PANEL
F	FAHRENHEIT	PNC	POINT OF CONNECTION
FUT	FUTURE	PS	PRODUCT STANDARD
FAB	FABRIC	PSF	POUNDS PER SQUARE FOOT
FACTORY	FACTORY	PSI	POUNDS PER SQUARE INCH
FACTORY	FACTORY	PSL	PARALLEL
FIN	FINISHED	PT	PRESSURE
FINISH	FINISHED	PTDF	PRESSURE-RESISTANT
FINISH	FINISHED WOOD SCREW	PARTITION	PARTITION
FLOOR	FLOOR	PVC	POLYVINYL
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DESCRIPTION	DATE
ADDENDUM "A"	3/20/25



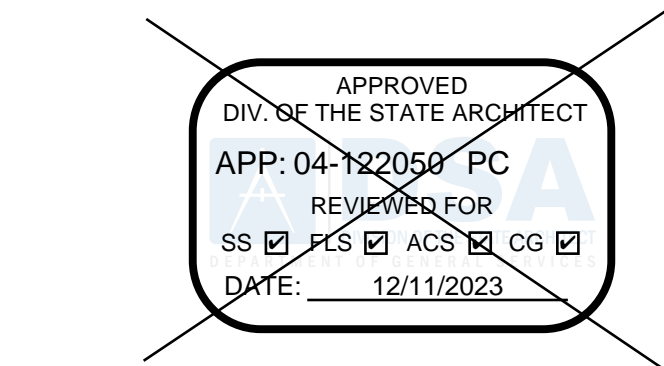
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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)
FORM

SITE SPECIFIC PROJECT NAME

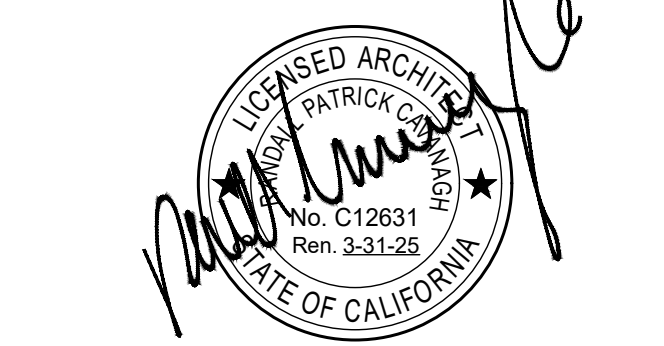
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GENERAL NOTES



2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PRE-CHECK AND CHECK FOR CONSTRUCTION IS REQUIRED.

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REVISIONS

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YYYY
PROJECT NO: XXXX-22
SHEET TITLE:

TYPICAL SCHEDULES:
DOORS, WINDOWS
& FINISHES

SHEET NUMBER:

N3.0

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
TYPICAL SCHEDULES - DOORS, WINDOWS & FINISHES

DATE: 04/03/24

CLIENT PROJ NO: 3595001000

SHEET:

N3.0

ADDENDUM "A"

DOORS				FRAMES				REMARKS			
DOOR NO.	DOOR TYPE	DOOR SIZE	QUANTITY	MATERIAL	FINISH	HARDWARE SET NO.	FRAME TYPE	MATERIAL	FINISH		
1	D1	3'-0" x 7'-0"	-	HM	PT	A/B	(F1)	S	PT	HARDWARE LOCKABLE FROM THE INSIDE, SEE DOOR NOTE #3	
2	D2	3'-0" x 7'-0"	-	HM	PT	H/I	(F1)	S	PT		
3	D3	2'-0" x 7'-0"	-	HM	PT	J	(F2)	S	PT		
4	D4	3'-0" x 7'-0"	-	SC	CLR	D	(F1)	S	PT		

DOOR ABBREVIATIONS
HM - HOLLOW METAL
AL - ALUMINUM
S - STEEL
SST - STAINLESS STEEL
STL - STEEL FRAME, 16ga. FULLY WELDED
WWF - WINDOW WALL FRAME

SC - SOLID CORE WOOD
HC - HOLLOW CORE WOOD
PT - PAINTED
CA - CLEAR ANODIZED
BR - BRONZE ANODIZED
CLR - CLEAR FINISH

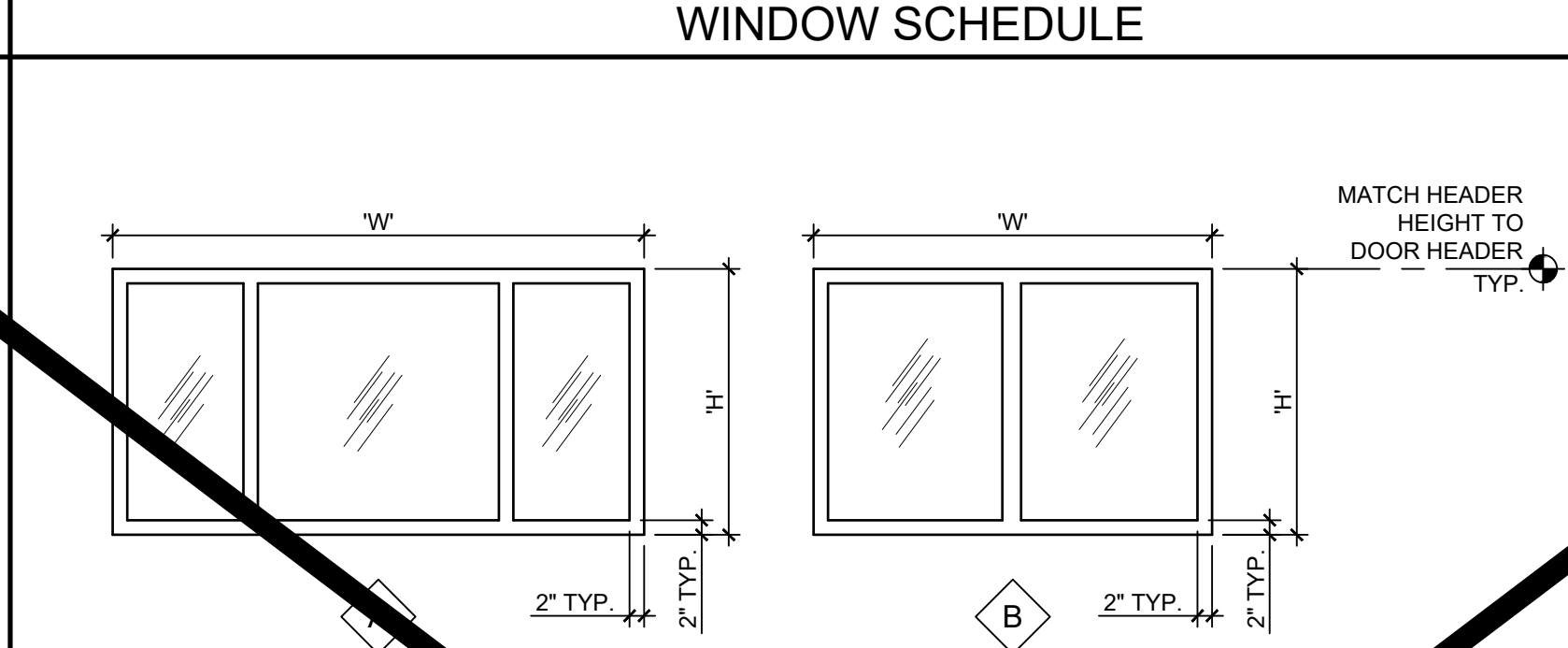
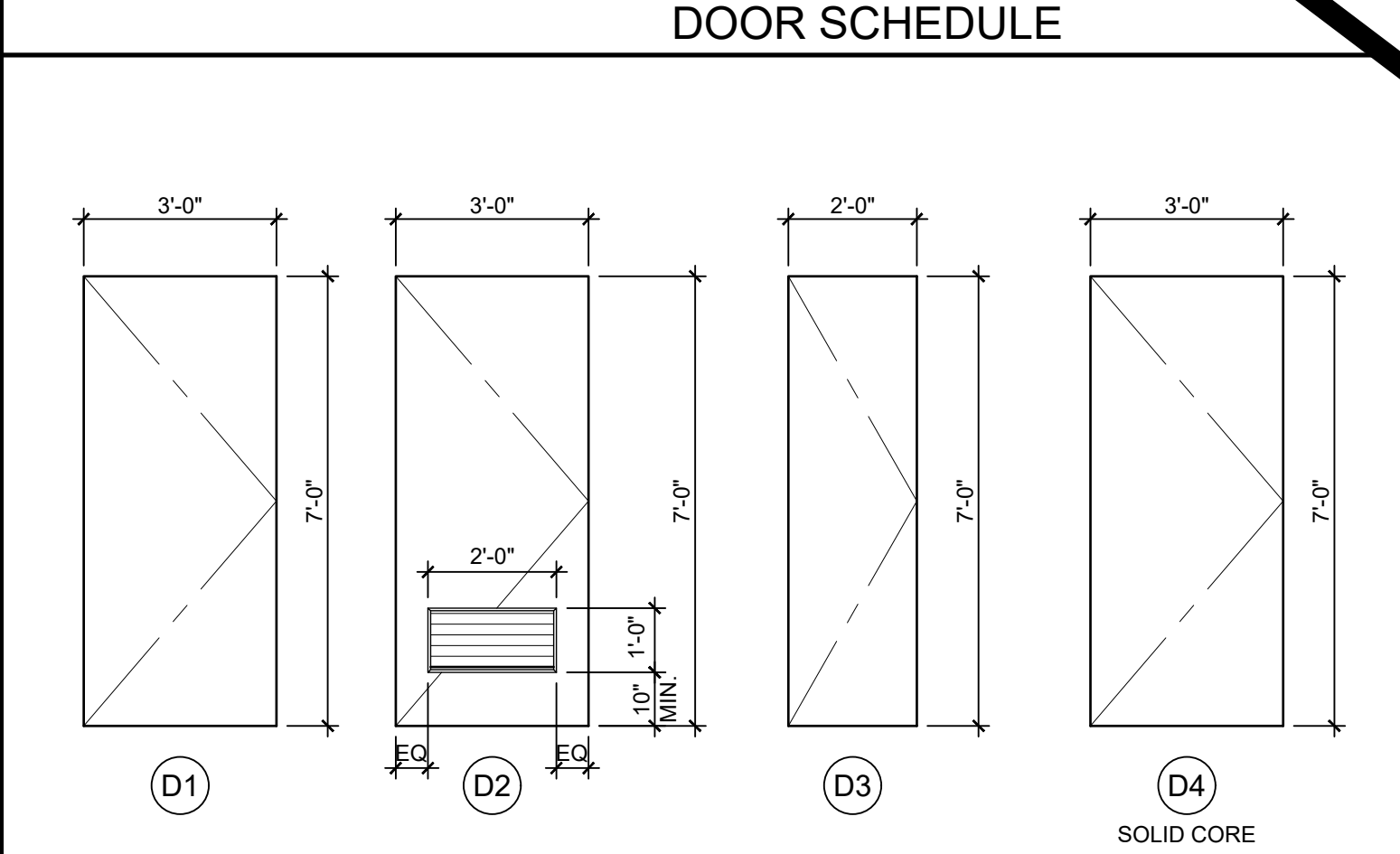
DOOR NOTES
1. DOORS SHALL COMPLY WITH C.B.C. SECTION 1010.
2. CLASSROOMS ≥ 1000 S.F. WILL REQUIRE PANIC HARDWARE THAT COMPLIES WITH C.B.C. SECTION 1010.2.9.
3. C.B.C. 1010.2.8.2: PROVIDE LOCKS THAT ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANCY OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. LOCKS SHALL COMPLY WITH C.B.C. SECTION 1010.1.11.

WINDOW TYPE	QTY.	FUNCTION	W' WIDTH	H' HEIGHT	FINISH	GLASS TYPE	U FACTOR	SHGC	VT MIN	MIN STC RATING	REMARKS
A	-	FIXED	10'-0" MAX.	8'-0" MAX.	BRONZE ANODIZED	SOLAR GREY ⁶	0.42	0.25	0.44	27	INOPERABLE
B	-	FIXED	6'-0" MAX.	6'-0" MAX.	BRONZE ANODIZED	SOLAR GREY ⁶	0.42	0.25	0.44	27	INOPERABLE

1. 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.
2. WINDOWS THAT MEETS ALL OF THE FOLLOWING CONDITIONS SPECIFIED IN SECTION 2406.4.3, SHALL BE CONSIDERED A HAZARDOUS LOCATION:
A. THE EXPOSED AREA OF AN INDIVIDUAL PANE IS GREATER THAN 9 SQUARE FEET.
B. THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18" ABOVE FINISH FLOOR.
C. THE TOP EDGE OF THE GLAZING IS GREATER THAN 36" ABOVE FINISH FLOOR.
D. ONE OR MORE WALKING SURFACE(S) ARE WITHIN 36", MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE PLANE OF THE GLAZING.
3. WINDOWS THAT ARE CONSIDERED A HAZARDOUS LOCATION SHALL CONTAIN FULLY TEMPERED SAFETY GLAZING & MEET THE FOLLOWING REQUIREMENTS:
A. PASS THE IMPACT TEST REQUIREMENTS IN ACCORDANCE WITH "CPSC 16 CFR PART 1201" PER SECTION 2406.2, WITH A TEST CRITERIA OF CATEGORY II, UNLESS OTHERWISE INDICATED IN C.B.C. TABLE 2406.2(1).
B. IDENTIFICATION OF SAFETY GLAZING PER C.B.C. 2406.3
4. ALL WINDOWS SHALL HAVE METAL FRAMES AND BE MANUFACTURED BY OTHERS.
5. WINDOWS SHALL BE NFRC RATED
6. THE MINIMUM STANDARD GLASS TYPE FOR ALL WINDOWS SHALL SOLAR GREY GLAZING. UPGRADED GLAZING (LOW E, LOW E2, ETC.) MAY BE USED PER SITE SPECIFIC REQUIREMENTS.
7. ALL NFRC RATED FENESTRATION AS NOTED ON THE WINDOW SCHEDULE REQUIRE TEMPORARY NFRC LABELS. TEMPORARY NFRC LABELS SHALL STAY ON FENESTRATION PRODUCTS UNTIL INSPECTOR HAS VERIFIED THAT THE INSTALLED U-FACTOR, SHGC, AND VT MATCH THE WINDOW SCHEDULE.

		FINISHES									
ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS				LEFT	CEILING	CEILING HEIGHT	REMARKS
				FRONT	REAR	RIGHT	CEILING				
101 TYP	CLASSROOM - STANDARD	A	D	F	F	F	F	K	8'-6"		
102 TYP	CLASSROOM - STANDARD	A	D	F	F	F	F	K	8'-6"		
---	BOYS R.R.	B	E	J	J	J	J	H	8'-6"		
---	GIRLS R.R.	B	E	J	J	J	J	H	8'-6"		
---	STAFF ROOM	B	E	J	J	J	J	H	8'-6"		
---	SINGLE TOILET R.R.	B	E	J	J	J	J	H	8'-6"		

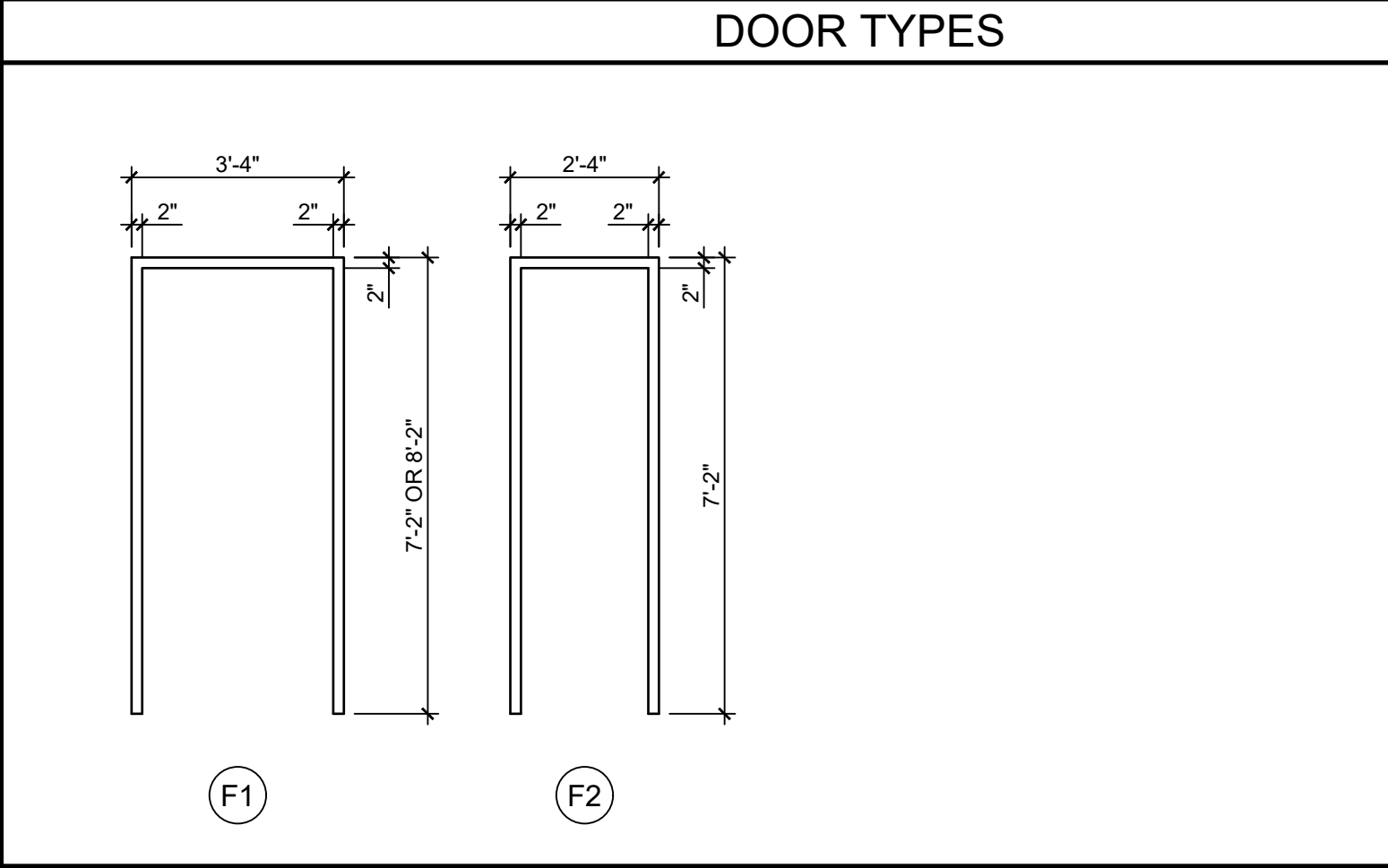
FINISH INDICATOR OPTIONS:
A - CARPET, PER STATE OF CALIF. SPEC. COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600.
B - VINYL SHEET FLOORING, 0.6 MIN. C.D.F. PER ASTM D 2047
C - VCT; ARMSTRONG, STANDARD, OR EXCELOX.
D - TOP SET BASE, 4"
E - TOP SET BASE, 6"
F - WALL FINISH: 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING
G - 1/2" W.R. GYP BOARD, TAPE, PAINTED FINISH
H - 1/2" GYP BOARD, TAPE, PAINTED FINISH
I - 3/32" F.R.P.; OVER 1/2" W.R. GYP BOARD
K - ACOUSTICAL LAY-IN GRID CEILING PANELS; 2'x2' OR 2'x4'
L - 1/2" VINYL TACKBOARD; CLASS 1, OVER 5/8" TYPE "X" GYP BOARD BACKING
M - 5/8" TYPE "X" GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
N - CERAMIC TILE - (FULL HEIGHT AT WALLS)
O - EXPOSED CONCRETE WITH CONCRETE SEALER
P - CLOUD CEILING PANELS



SEE SHEET N3.0-N FOR SITE-SPECIFIC SHEET

BC & TITLE 19.

FINISHES SCHEDULE



36'x40'	240
48'x40'	320
60'x40'	400
72'x40'	480
84'x40'	560
96'x40'	640
108'x40'	720
120'x40'	800

* WINDOW PLACEMENT & SIZE MAY VARY AS TITLE 24 MODEL REFLECTS THE LARGEST WINDOW OPTION. THE TOTAL WINDOW AREA OF ANY BUILDING MAY NOT EXCEED THE MAXIMUM ALLOWED WINDOW AREA (SQ FT) LISTED IN THE TABLE ABOVE. IF A BUILDING EXCEEDS THE MAXIMUM AREA, A PROJECT SPECIFIC TITLE 24 REPORT SHALL BE PROVIDED.

DOOR FRAME TYPES	
A	EXTERIOR DOOR LOCKSET w/LEVER RHODES SCHLAGE ND95PD - CLASSROOM LOCK
B	EXTERIOR DOOR PANIC BAR w/PULL ON EXTERIOR VON DUPRIN AX222PANEL (REQUIRED WHEN OCCUPANT LOADS 50 OR MORE)
C	INTERIOR PASSAGE COPPER CREEK 6220-PASSAGE w/ LEVER
D	INTERIOR RESTROOM COPPER CREEK 6231-RESTROOM w/ LEVER
E	INTERIOR ENTRY/OFFICE COPPER CREEK 6241-ENTRY/OFFICE w/ LEVER
F	INTERIOR STOREROOM COPPER CREEK 6250-STOREROOM w/ LEVER
G	INTERIOR CLASSROOM COPPER CREEK 6260-CLASSROOM w/ LEVER
H	EXTERIOR DOOR LOCKSET w/LEVER RHODES SCHLAGE ND70PD - MULTI-ACCOMMODATION RESTROOM LOCK
I	EXTERIOR DOOR LOCKSET w/LEVER & PUSH BUTTON RHODES SCHLAGE ND85PD - SINGLE USER RESTROOM LOCK
J	EXTERIOR DOOR LOCKSET w/LEVER RHODES SCHLAGE ND80PD - STOREROOM LOCK

EXTERIOR DOOR HARDWARE
1. HINGES: HAGER 4-1/2" x 1" BUTTS, BB1279 US26D, 1-1/2" PAIR PER DOOR, WITH SET SCREW IN BARREL AND BALL BEARING DESIGN.
2. CLOSER: NORTON 8500A OR 8500BF SERIES, LCN 1460 DEL SERIES OR EQUAL. (5 LBS. MAX. PRESSURE) ALL SCHLAGE HARDWARE IS PROVIDED WITH A CLOSER
3. WEATHERSTRIPPING: ALL EXTERIOR DOORS SHALL BE WEATHERSTRIPPED WITH PEMKO 2990, ULTRA WS007 OR EQUAL, AT DOOR JAMBS AND HEAD. THRESHOLD SHALL BE PEMKO 2711 AN 5" ALUMINUM WITH PEMKO 216 AV ULTRA TH42 DOOR BOTTOM.
4. LOCKDOWN: INTERIOR TEACHERS' MANUAL LOCK FOR CAMPUS LOCK DOWN CRITERIA - REQUIRED FOR STATE-FUNDED SCHOOLS, PER EDUCATION CODE SECTION 17075.50 (AND ALSO CBC 1010.1.11); PROVIDE LOCKS THAT ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANCY OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. LOCKS SHALL COMPLY WITH C.B.C. SECTION 1010.1.9.

WINDOW GLAZING AREA TABLE	
1. 11B-404.2.3 CLEAR WIDTH DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES (813 MM) MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES (610 MM) DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES (914 MM) MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES (864 MM) ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES (864 MM) AND 80 INCHES (2032 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES (102 MM). EXCEPTIONS: 1. IN ALTERATIONS, A PROJECTION OF 5/8 INCH (15.9 MM) MAXIMUM INTO THE REQUIRED CLEAR WIDTH SHALL BE PERMITTED FOR THE LATCH SIDE STOP. 2. DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES (1981 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND. 2. HANDLES, PULLS, LATCHES, LOCKS AND OTHERS OPERABLE PARTS ON DOORS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 lbs. MAX. (11B-404.2.7, 11B-309.4) 3. DOORS SHALL BE OPERABLE FROM INSIDE WITH A SINGLE MOTION W/O THE USE OF ANY TOOLS, EFFORT, OR SPECIAL KNOWLEDGE. 4. EMERGENCY EXIT AND PANIC HARDWARE EMERGENCY EXIT AND PANIC HARDWARE SHALL COMPLY WITH SFM STANDARD 12-10-3, SECTION 12-10-302 A) THE CROSS-BAR SHALL EXTEND ACROSS NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR/GATE D) THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS.	

EMERGENCY EXIT AND PANIC HARDWARE:
IN COMPLIANCE WITH SFM STANDARD 12-10-3, SECTION 12-1-302
(A) THE CROSS BAR SHALL EXTEND ACROSS NOT LESS THAN ONE HALF THE WIDTH OF THE DOOR/GATE.
(B) THE ENDS OF THE CROSS BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS.

*ADDITIONAL DOORS MAY BE REQUIRED BASED ON BUILDING LAYOUT.

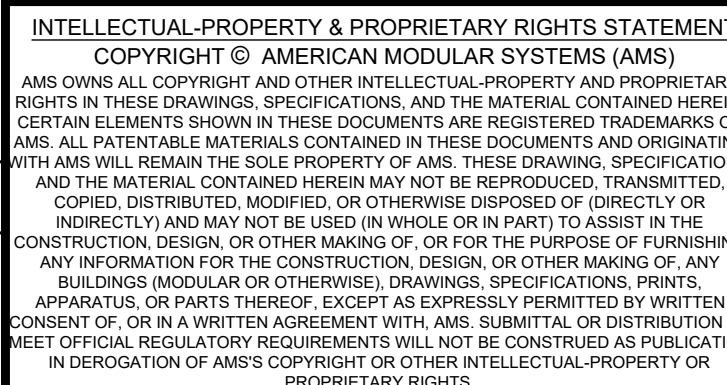
EMERGENCY EXIT AND PANIC HARDWARE

PLEASE RECYCLE



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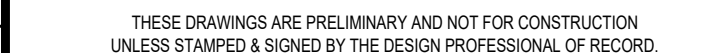
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Δ	ADDENDUM "A"	3/20/25



GENERAL NOTES

SITE SPECIFIC PROJECT NAME

GENERAL NOTES



PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
ACCESSIBILITY STANDARDS AND DETAILS

DATE: 04/03/24 CLIENT PROJ NO: 3595001000

SHEET:

SHEET:

SHEET: _____

SHEET

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ADDENDUM "A"

FIGURE 11B-703.1.1 PICTOGRAM FIELD

FIGURE 11B-703.1.2 PICTOGRAM FIELD

FIGURE 11B-703.1.3 PICTOGRAM FIELD

FIGURE 11B-703.1.4 PICTOGRAM FIELD

FIGURE 11B-703.1.5 PICTOGRAM FIELD

FIGURE 11B-703.1.6 PICTOGRAM FIELD

FIGURE 11B-703.1.7 PICTOGRAM FIELD

FIGURE 11B-703.1.8 PICTOGRAM FIELD

FIGURE 11B-703.1.9 PICTOGRAM FIELD

FIGURE 11B-703.1.10 PICTOGRAM FIELD

FIGURE 11B-703.1.11 PICTOGRAM FIELD

FIGURE 11B-703.1.12 PICTOGRAM FIELD

FIGURE 11B-703.1.13 PICTOGRAM FIELD

FIGURE 11B-703.1.14 PICTOGRAM FIELD

FIGURE 11B-703.1.15 PICTOGRAM FIELD

FIGURE 11B-703.1.16 PICTOGRAM FIELD

FIGURE 11B-703.1.17 PICTOGRAM FIELD

FIGURE 11B-703.1.18 PICTOGRAM FIELD

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PHF-4	
Nonresidential Performance Compliance Method					(Page 1 of 18)	
Project Name:		AMS PC 3640		Date Prepared:	2023-09-03	
A. General Information						
1	Project Name	AMS PC 3640				
2	Run Title	Title 24 Analysis				
3	Project Location					
4	City	Fresno	5	Standards Version	Compliance 2022	
6	Zip code	95703	7	Compliance Software (version)	CIBCC 2022.3.0 (1302)	
8	Climate Zone	13	9	Building Orientation (deg)	75	
10	Building Type(s)	Nonresidential				
12	Project Scope	Non complete scope				
13	Total Conditioned Floor Area (h Scope (ft ²))	1440	14	Number of Dwelling Units	0	
15	Total Unconditioned Floor Area (ft ²)	0	15	Total # of hotel/rental rooms	0	
16	Nonresidential Conditioned Floor Area	1440	17	Fuel Type	None	
18	Residential Conditioned Floor Area	0	18	Total # of Stories (Inhabitable Above Grade)	1	

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
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Schema Version: rev 20220601
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PHF-4	
Nonresidential Performance Compliance Method				(Page 5 of 18)	
C1. TYP ENERGY RESULTS FOR NON-REGULATED COMPONENTS ¹					
Non-Regulated Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) ²		
Receptacle	63.89	63.89	---		
Process	---	---	---		
Other Use	---	---	---		
Process Motors	---	---	---		
TOTAL TOTAL COMPLIANCE - NON-REGULATED COMPONENTS	276.77	240.74	36.03 (13.2%)		
¹ Notes: This table is not used for Energy Code Compliance.					

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PHF-4	
Nonresidential Performance Compliance Method					(Page 9 of 18)	
C4. ENERGY USE INTENSITY (EUI)						
	Standard Design (kBtu/ft ² / yr)	Proposed Design (kBtu/ft ² / yr)	Margin (kBtu/ft ² / yr)	Margin Percentage		
GROSS EUI ¹	29.85	26.3	3.55	11.89		
NET EUI ²	29.85	26.3	3.55	11.89		
¹ Notes: Gross EUI is Energy Use Intensity (EUI) Total Building Area. Net EUI is Energy Use Intensity (EUI) Total Building Area.						
D1. EXCEPTIONAL CONDITIONS						
* The building does not include service water heating. Verify that service water heating is not required and is not included in the design.						
* Project is claiming Exception 1 to Section 140.15(a). No PV system is required when the required PV system size is less than 4 kWdc.						
* Project is claiming Exception 2 to Section 140.15(b). No battery storage system is required in buildings with battery storage system requirements with less than 10 kWh rated capacity.						
* Project is claiming Exception 3 to Section 140.15(b). No battery storage system is required for tenant spaces less than or equal to 5,000 sq. ft.						
D2. ENVELOPE GENERAL INFORMATION (conditioned spaces only)						
	01	02	03	04		
Opaque Surface & Orientation	Total Gross Surface Area (ft ²)		Total Insulation Area (ft ²)		Window to Wall Ratio (%)	
North-facing ¹	400		0		0	
East-facing ¹	360		160		44.44	
South-facing ¹	480		0		0	
West-facing ¹	360		80		22.22	
Total	1520		240		15.79	
Roof	1440		0		0	
Notes						
North-facing is oriented to within 45 degrees of true north, including 45.0000° north of north (NN), but excluding 45.0000° west of north (NW).						
East-facing is oriented to within 45 degrees of true east, including 45.0000° south of east (SE), but excluding 45.0000° north of east (NE).						
South-facing is oriented to within 45 degrees of true south, including 45.0000° west of south (WS), but excluding 45.0000° east of south (SE).						
West-facing is oriented to within 45 degrees of true west, including 45.0000° north of west (NW), but excluding 45.0000° south of west (SW).						

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD							NRCC-PHF-4
Nonresidential Performance Compliance Method							(Page 2 of 18)
B. PROJECT SUMMARY							
Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within the permit application.							
	Building Components Complying via Performance			Building Components Complying Prescriptively			
Envelope (See Table G)	Roofs	Performance	Solar Thermal Water Heating (See Table H)	<input type="checkbox"/>	Performance	The following building components are OK for prescriptive compliance and are listed in the document as the NRCC-PHF-4 is based on the code of the permit application (a combination of rules from the NRCC-PHF-4).	
	Multifam	Not Included		<input type="checkbox"/>	Not Included		
Mechanical (See Table H)	Roofs	Performance	Covered Process: Conventional Exhausts (See Table I)	<input type="checkbox"/>	Performance	Indoor Lighting (Excluded/Included) NRCC-PHF-4 is required	
	Multifam	Not Included		<input type="checkbox"/>	Not Included	NRCC-PHF-4 is required	
Domestic Hot Water (See Table I)	Roofs	Not Included	Covered Process: Laboratory Exhaust (See Table J)	<input type="checkbox"/>	Performance	Sign Lighting (140.8 & 170.2(a)) NRCC-PHF-4 is required	
	Multifam	Not Included		<input type="checkbox"/>	Not Included	NRCC-PHF-4 is required	
Lighting (Indoor Conditions, see Table K)	Roofs	Performance	Photovoltaics (See Table F)	<input type="checkbox"/>	Performance	Building Components Complying with Mandatory Measures	
	Multifam	Not Included		<input type="checkbox"/>	Not Included	Electrical power systems, communications, solar ready, meters and metering requirements are mandatory and should be documented on the NRCC-PHF-4 if applicable (i.e. compliance will not be shown on the NRCC-PHF-4).	
			Batteries (see Table F)	<input type="checkbox"/>	Performance	Electrical Power Distribution 110.11 NRCC-PHF-4 is required	
				<input type="checkbox"/>	Not Included	Commissioning 110.8 NRCC-PHF-4 is required	
				<input type="checkbox"/>	Not Included	Solar and Battery 110.10 NRCC-PHF-4 is required	

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
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Schema Version: rev 20220601
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PHF-4	
Nonresidential Performance Compliance Method				(Page 6 of 18)	
C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual Source Energy Use, kWh/ft ² / yr)					
COMPLEX ¹					
Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE) ¹		
Space Heating	4.59	5.57	-0.98		
Space Cooling	4.36	4.96	-0.6		
Indoor Fans	0.08	0.67	-3.41		
Heat Rejection	0	0	0		
Pumps & Misc.	0	0	0		
Domestic Hot Water	0	0	0		
Indoor Lighting	2.07	1.13	0.94		
Flexibility	---	---	---		
EFFICIENCY COMPLIANCE TOTAL			15.2	12.43	2.77 (18.2%)
Photovoltaics	---	---	---		
Batteries	---	---	---		
TOTAL COMPLIANCE			15.2	12.43	2.77 (18.2%)
¹ Notes: This number in parentheses following the Compliance Margin in column 4, represents the Percent Better than Standard.					

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD								NRCC-PHF-4		
Nonresidential Performance Compliance Method								(Page 10 of 18)		
G4. NONRESIDENTIAL AIR BARRIER										
01				02						
Building Story Name				Air Barrier						
Ground Floor				Air barrier - not verified						
G5. OPAQUE SURFACE ASSEMBLY SUMMARY										
01	02	03	04	05	06	07	08	09	10	
Surface Name	Construction Type	Area (ft ²)	Framing Type	Cavity R-Value	Continuous R-Value Interior	Continuous R-Value Exterior	Units	Value	Description of Assembly Layers	Status ¹
Ext Roof	Roof	1,440	Metal	19	N/A	5	U-factor	0.0528	Metal Standing Seam - 17.0 in. Compliance Insulation R5.00 Plywood - 1/2 in. Roof Structure Air Roof - 3.12 in. Acoustic Tile - 3/8 in. Roof Siding - 1/2 in. Vapor permeable felt - 1/8 in. Compliance Insulation R5.00 R-13 in Metal Stud Opposite Board - 1/2 in.	N
Ext Wall	Exterior Wall	1,520	Metal	13	N/A	5	U-factor	0.0978	Vapor permeable felt - 1/8 in. Compliance Insulation R5.00 R-13 in Metal Stud Opposite Board - 1/2 in. Carpet - 3/4 in.	N
Floor over Crawspace	Exterior Floor	1,440	N/A	0	N/A	N/A	U-factor	0.104		N
¹ Status: N - New, A - Altered, E - Existing										

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PHF-4	
Nonresidential Performance Compliance Method					(Page 3 of 18)	
C1. COMPLIANCE SUMMARY						
		COMPLIES ¹				
		Time Dependent Valuation (TDV)		Source Energy Use		
		Efficiency ² (kBtu/ft ² - yr)	Total ³ (kBtu/ft ² - yr)	Total ⁴ (kBtu/ft ² - yr)		
Standard Design		204.88	204.88	15.2		
Proposed Design		174.85	174.85	12.43		
Compliance Margin		30.03	30.03	2.77		
		Pass	Pass	Pass		
¹ Efficiency measures include improvements like a better building envelope and more efficient equipment.						
² Compliance Totals include efficiency, photovoltaics and batteries.						
³ New Construction, Complete Addition Scope: Building complies when all efficiency and total compliance margins are greater than or equal to zero and current load hour limits are not exceeded.						
⁴ Existing, Addition and Alteration Scope: Building complies when efficiency compliance margin is greater than or equal to zero and current load hour limits are not exceeded.						

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PHF-4	
Nonresidential Performance Compliance Method				(Page 7 of 18)	
C4. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS ¹					
Non-Regulated Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE) ²		
Receptacle	4.53	4.53	---		
Process	---	---	---		
Other Use	---	---	---		
Process Motors	---	---	---		
TOTAL (TOTAL COMPLIANCE - NON-REGULATED COMPONENTS)	20.13	17.36	2.77 (13.8%)		
¹ Notes: This table is not used for Energy Code Compliance.					
C4. ABOVE CODE QUALIFICATIONS					
<input type="checkbox"/> This project is pursuing California Tier 1 <input type="checkbox"/> This project is pursuing California Tier 2					

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD										NRCC-PHF-4	
Nonresidential Performance Compliance Method										(Page 11 of 18)	
G4. OPAQUE SURFACE ASSEMBLY SUMMARY (NONRESIDENTIAL)											
01	02	03	04	05	06	07	08	09	10	11	12
Assembly Name	Area (ft ²)	Construction Type	Assembly Method	Area (ft ²)	Overall U-factor	Overall SHGC	Overall VT	Status ¹			
Door	42				0.7			N			
¹ Status: N - New, A - Altered, E - Existing											
G5. INSULATION ASSEMBLY SUMMARY (NONRESIDENTIAL)											
01	02	03	04	05	06	07	08	09	10	11	12
Insulation Assembly	Insulation Type / Product Type / Frame Type	Certification	Assembly Method	Area (ft ²)	Overall U-factor	Overall SHGC	Overall VT	Status ¹			
Windows	Vertical Fenestration N/A	NFRC	Manufactured	240	0.42	0.25	0.68	N			
¹ Status: N - New, A - Altered, E - Existing											
G6. GLAZING ASSEMBLY SUMMARY (NONRESIDENTIAL)											
01	02	03	04	05	06	07	08	09	10	11	12
Glazing Assembly Name	Equipment Type	Total Heating Load (kBtu/h)	Sign Heat Heat (kBtu/h)	Efficiency Loss	Efficiency Loss	Total Cooling Load (kBtu/h)	Efficiency Loss	Efficiency Loss	Reemitter Type (if present)	Status ¹	
Package 12 Unit	1	44.5	3.41	COF	3.55	8	47.5	EER	14	No Coemitter	N
¹ Status: N - New, A - Altered, E - Existing											



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ISSUE	
Δ DESCRIPTION	DATE
Δ ADDENDUM "A"	3/20/25

KEYNOTES

GENERAL NOTES

CERTIFICATE OF COMPLIANCE – NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD													NRC-PP-6	
Nonresidential Performance Compliance Method													(Page 3 of 18)	
HLL ZONAL SYSTEM AND TERMINAL UNIT SUMMARY														
System ID		03	04	05	06	07	08	09	10	11	12	13	14	
System Type	System Type	QF1	Rated Capacity (MBH)	Heating	Cooling	Design	Mfr.	Mfr. Rate	Power	Power	Flow	Flow	YSP	
(C-1, TRM)	Variable Air Volume No-Return Unit	1	N/A	N/A	1,600	650	0.41	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/>	

IK, INDOOR CONDITIONS (LIGHTING GENERAL INFO)									
Occupancy Type ¹	Conditioned Floor Area (sq ft)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Excluded) Allowance					
				Area Category Exclusions (Watts)	Area Category Exclusions (Watts)				
Classrooms, Lecture, or Training (Instructional)	1640	540	0						
Building Interiors	1640	540	0						

¹ See table 6A.1.1-C.
 For NRC-PP-6, the uncontrolled areas are not included in the table.
 *Exclusion information for existing spaces included is not included in this table.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD							NRCX (F-6)	
Nonresidential Performance Compliance Method							(Page 14 of 18)	
K2. INDOOR CONDITION LIGHTING SCHEDULE								
Luminaires Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 m ² in ft ²)								
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
Name or Item Tag	Complete Luminaire Description (1-3, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 78							

CERTIFICATION OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD								NRC6 PDF																			
Nonresidential Performance Compliance Method								(Page 15 of 18)																			
Area and Content (includes all lifting cranes installed in conditioned space as well as mandatory requirements per 130-2.3)																											
03	04	05	06	07	08	09	10	11	12																		
Area Description	Area Category	Primary Cranes 130-2.3.1.1	Secondary Cranes 130-2.3.1.2	Main-Lift Cranes 130-2.3.1.3	Shut-Off Cranes 130-2.3.1.4	Primary Derricks 130-2.3.1.5	Secondary Derricks 130-2.3.1.6	Other	Remarks																		
Classrooms 1517a, 2b	Classroom, Library or Training/Innovation	Required	Required	Required	Required	Required	Required	Required	NA																		
11. DECLARATION OF REQUIRED CERTIFICATIONS OF INSTALLATION																											
Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the Return to be recognized for compliance. These documents must be related and provided in accordance with the following requirements: During construction and up to the final audit.																											
<table border="1"> <thead> <tr> <th>Building Component</th> <th>Certificate Title</th> </tr> </thead> <tbody> <tr> <td>Elevator</td> <td>NRC1-ENV-01 - Must be submitted for all buildings</td> </tr> <tr> <td>Envelope</td> <td>NRC1-ENV-2 - Envelope for all buildings</td> </tr> <tr> <td>Mechanical</td> <td>NRC1-MCH-01 - Must be submitted for all buildings</td> </tr> <tr> <td>Mechanical</td> <td>NRC1-MCH-2 - For all buildings with Mechanical Systems</td> </tr> <tr> <td>Plumbing</td> <td>NRC1-PLB-01 - Must be submitted for all buildings</td> </tr> <tr> <td>Interior Lighting</td> <td>NRC1-THD-02 - Must be submitted for all buildings</td> </tr> <tr> <td>Interior Lighting</td> <td>NRC1-THD-3 - Interior Lighting for all buildings</td> </tr> <tr> <td>Interior Lighting</td> <td>NRC1-THD-6 - Must be submitted for a lighting control system, or for an Energy Management System (EMS), to be recognized for compliance</td> </tr> </tbody> </table>										Building Component	Certificate Title	Elevator	NRC1-ENV-01 - Must be submitted for all buildings	Envelope	NRC1-ENV-2 - Envelope for all buildings	Mechanical	NRC1-MCH-01 - Must be submitted for all buildings	Mechanical	NRC1-MCH-2 - For all buildings with Mechanical Systems	Plumbing	NRC1-PLB-01 - Must be submitted for all buildings	Interior Lighting	NRC1-THD-02 - Must be submitted for all buildings	Interior Lighting	NRC1-THD-3 - Interior Lighting for all buildings	Interior Lighting	NRC1-THD-6 - Must be submitted for a lighting control system, or for an Energy Management System (EMS), to be recognized for compliance
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12. DECLARATION OF REQUIRED CERTIFICATIONS OF ACCEPTANCE																											
Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the Return to be recognized for compliance. These documents must be provided to the building engineer during construction and completed as described on the US Technical Certification Procedure (DTPC).																											
<table border="1"> <thead> <tr> <th>Building Component</th> <th>Certificate Title</th> </tr> </thead> <tbody> <tr> <td>Interior Lighting</td> <td>NRC1-THD-02 - NRC1 call verification for Irradiation</td> </tr> <tr> <td>Interior Lighting</td> <td>NRC1-THD-3 - Occupancy Sensor and Automatic Time Switch Controls</td> </tr> <tr> <td>Interior Lighting</td> <td>NRC1-THD-5 - Automatic Daylight Controls</td> </tr> <tr> <td>Mechanical</td> <td>NRC1-THD-4 - Outdoor Air must be delivered to the newly installed HVAC units. Note: MCH-2 can be performed in conjunction with MCH-2-4 Supply Air Flow Acceptance if applicable. Upon testing activities complete</td> </tr> </tbody> </table>										Building Component	Certificate Title	Interior Lighting	NRC1-THD-02 - NRC1 call verification for Irradiation	Interior Lighting	NRC1-THD-3 - Occupancy Sensor and Automatic Time Switch Controls	Interior Lighting	NRC1-THD-5 - Automatic Daylight Controls	Mechanical	NRC1-THD-4 - Outdoor Air must be delivered to the newly installed HVAC units. Note: MCH-2 can be performed in conjunction with MCH-2-4 Supply Air Flow Acceptance if applicable. Upon testing activities complete								
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CERTIFICATE OF COMPLIANCE – NONRESIDENT PERFORMANCE COMPLIANCE METHOD		NRCC-PF-6
Nonresidential Performance Compliance Method		(Page 6 of 18)
5. DECLARATION OF REQUIRED IDENTIFIERS OF ACCEPTANCE		
<p>Selections made by Commission Authority indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building owner during construction and must be conveyed through an Acceptance Authority to the Commission for Technical Review. The following are the required documents:</p>		
Mechanical	NRCC-MF-5-A Demand Controlled Ventilation System must be provided for all systems required to employ demand controlled ventilation (per ASHRAE 62.1-2010) to provide mechanical ventilation. This also includes maintaining minimum outdoor airflows (20/22) concentration control.	
Mechanical	NRCC-MF-7-4 Supply Fan Variable Flow Controls	
Mechanical	NRCC-MF-5-B Demand Control Sensor Controls	
6. DECLARATION OF REQUIRED IDENTIFIERS OF VERIFICATION		
<p>Selections made by Commission Authority indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be the basis of evidence for verification applicable to this project.</p>		


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[illegible]

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD		NECC-PHF-6
Nonresidential Performance Compliance Method		(Page 18 of 18)
Responsible Designer Name: Randal P. Cavanaugh Company: American Modular Systems Gen7 Schools Address: 787 Sprinkles Avenue City/State/Zip: Marina, CA 95336 Phone: 925.821.1521	Responsible Designer Signature:  Date Signed: 08/05/23 Issued By: CJ1501 Title: Architect Exxon Lighting	

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PRE-CHECKED SET NAME

24' x 40' THRU 120' x 40'

STANDARD MODULAR BUILDING
(LOW SEISMIC)

 **FORM**®

SITE SPECIFIC PROJECT NAME

-
-
-

[illegible]

☐ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
MANUFACTURER PROFESSIONAL OF RECORD ON

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD

REVISIONS	
1	
2	
3	
4	

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

ENERGY CALCULATION
36'x40' BUILDING
GROUP 'C'

SHEET NUMBER:

EN.15

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
ENERGY CALCULATIONS 36'x40' BUILDING GROUP 'C'

DATE: 04/03/24 CLIENT PROJ NO: 3595001

SHEET: _____

EN.15

ADDENDUM "A"



HMC Architects

3595001000

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SACRAMENTO, CA 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

DESCRIPTION	DATE
ADDENDUM "A"	3/20/25

KEYNOTES

GENERAL NOTES

ELECTRICAL POWER DISTRIBUTION
CEC-NRCC-ELC-E

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(b)(1)(i) and §160.6(b). Any load types that are not included in the service do not need to be shown. For multifamily occupancies, submetered systems that provide power to dwelling units do not need to meet these separation requirements and therefore load types on those submetered systems also do not need to be shown.

01 Load Type per Table 130.5-B	02 Minimum Required Separation of Load per Table 130.5-B	03 Compliance Method	04 Location of Requirements in Construction Documents	05 Field Inspector Pass Fail
				<input type="checkbox"/> <input type="checkbox"/>

*NOTES: If "Other" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.
1. FOOTNOTES: For each separate load type, up to 10% of the connected load may be of any type.
2. Method 1: Switchboards/ motor control centers/ panelboard loads disaggregated for each load type.
3. Method 2: Switchboards/ motor control centers/ panelboard supply other distribution equipment with loads disaggregated for each load type.
4. Method 3: Branch circuits serve load types individually & provisions for adding future branch circuit monitoring.
5. Method 4: Complete metering system measures and reports loads by type.
See Chapter 8 of the Nonresidential Compliance Manual for more detail on Compliance Methods.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance January 2022

ELECTRICAL POWER DISTRIBUTION
CEC-NRCC-ELC-E

H. VOLTAGE DROP

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(d)(1) and §160.6(c). For alterations, only the altered circuits must demonstrate compliance per §130.5(d)(1) and §160.6(c). Both controlled and uncontrolled receptacles must be provided in office areas, lobbies, conference rooms, kitchen areas in office spaces, copy rooms and hotel/motel guest rooms.

01 Electrical Service Designation/ Description	02 Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	03 Location of Voltage Drop Calculations	04 Sheet Number for Voltage Drop Calculations in Construction Documents	05 Field Inspector Pass Fail
	<input type="checkbox"/> Voltage drop ≤ 5% <input type="checkbox"/> Permitted by CA Elec Code Article 517 Exception to §130.5(d)(1)			<input type="checkbox"/> <input type="checkbox"/>

*NOTES: If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.
1. FOOTNOTES: Receptacles dedicated to refrigerators and water dispensers in kitchens, located a minimum of 6ft above the floor specifically for clocks, network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms, circuits rated more than 20 Amps, or connected to a UPS that are intended to be in continuous use and are marked to differentiate them from other receptacles or circuits are excepted from the requirements.
2. J. ELECTRIC READY BUILDINGS
This table includes electrical system requirements that must be met when using gas or propane heating, cooking or clothes drying in multifamily occupancies to demonstrate compliance with §160.9.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance January 2022

ELECTRICAL POWER DISTRIBUTION
CEC-NRCC-ELC-E

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(d)(1) and §160.6(d). Both controlled and uncontrolled receptacles must be provided in office areas, lobbies, conference rooms, kitchen areas in office spaces, copy rooms and hotel/motel guest rooms.

01 Room Name or Description	02 Location/ Type of Controlled Receptacles ¹	03 Shut-Off Controls	04 Demand Response Controls	05 Permanent Durable Marking Will be Used	06 Location of Requirements in Construction Documents	07 Field Inspector Pass Fail
				<input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/>

*NOTES: If "Other" is selected under Shut-Off Controls above, please indicate how compliance has been achieved in the space provided below.
1. FOOTNOTES: Receptacles dedicated to refrigerators and water dispensers in kitchens, located a minimum of 6ft above the floor specifically for clocks, network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms, circuits rated more than 20 Amps, or connected to a UPS that are intended to be in continuous use and are marked to differentiate them from other receptacles or circuits are excepted from the requirements.
2. J. ELECTRIC READY BUILDINGS
This table includes electrical system requirements that must be met when using gas or propane heating, cooking or clothes drying in multifamily occupancies to demonstrate compliance with §160.9.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance January 2022

ELECTRICAL POWER DISTRIBUTION
CEC-NRCC-ELC-E

Gas/ Propane Furnaces Serving Individual Dwelling Units (Heat Pump Space Heater Ready)

01 Yes	Requirement
02 <input type="checkbox"/>	A dedicated 240 volt branch circuit shall be installed within 3 feet from the furnace and accessible to the furnace with no obstructions. The branch circuit shall be rated at 30 amps minimum. The blank cover shall be identified as "240V ready". All electrical components shall be installed in accordance with the California Electrical Code.
03 <input type="checkbox"/>	The main electrical service panel shall have a reserved space to allow for the installation of a double pole circuit breaker for a future heat pump space heater installation. The reserved space shall be permanently marked as "For Future 240V use".

Gas/ Propane Cooktops Serving Individual Dwelling Units

01 Yes	Requirement
04 <input type="checkbox"/>	A dedicated 240 volt branch circuit shall be installed within 3 feet from the cooktop and accessible to the cooktop with no obstructions. The branch circuit shall be rated at 30 amps minimum. The blank cover shall be identified as "240V ready". All electrical components shall be installed in accordance with the California Electrical Code.
05 <input type="checkbox"/>	The main electrical service panel shall have a reserved space to allow for the installation of a double pole circuit breaker for a future electric cooktop installation. The reserved space shall be permanently marked as "For Future 240V use".

Gas/ Propane Clothes Dryers Serving Individual Dwelling Units

01 Yes	Requirement
06 <input type="checkbox"/>	A dedicated 240 volt branch circuit shall be installed within 3 feet from the clothes dryer and accessible to the clothes dryer with no obstructions. The branch circuit shall be rated at 30 amps minimum. The blank cover shall be identified as "240V ready". All electrical components shall be installed in accordance with the California Electrical Code.
07 <input type="checkbox"/>	The main electrical service panel shall have a reserved space to allow for the installation of a double pole circuit breaker for a future electric clothes dryer installation. The reserved space shall be permanently marked as "For Future 240V use".

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance January 2022

ELECTRICAL POWER DISTRIBUTION
CEC-NRCC-ELC-E

Gas/ Propane Clothes Dryers in Common Areas

01 Yes	Requirement
08 <input type="checkbox"/>	Conductors or raceway shall be installed with termination points at the main electrical panel, via subpanels panels if applicable, to a location no more than 3 feet from each gas outlet or a designated location of future electric replacement equipment. Both ends of the conductors or raceway shall be labeled "Future 240V Use". The conductors or raceway and any intervening subpanels, panelboards, switchboards, and busbars shall be sized to meet the future electric power requirements, at the service voltage to the point at which the conductors serving the building connect to the utility distribution system, as specified below. The capacity requirements may be adjusted for demand factors in accordance with the California Electric Code. Gas flow rates shall be determined in accordance with the California Plumbing Code. Capacity shall be one of the following: - 24 amps at 208/240 volts per clothes dryer - 2.6 kW for each 10,000 Btu per hour of rated gas input or gas pipe capacity or - The electrical power required to provide equivalent functionality of the gas-powered equipment as calculated by the responsible person.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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

YES	NO	Form/Title	Field Inspector Pass Fail
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-ELC-E - Must be submitted for all buildings.	<input type="checkbox"/> <input type="checkbox"/>

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no Certificates of Acceptance applicable to electrical power distribution requirements.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance January 2022

ELECTRICAL POWER DISTRIBUTION
CEC-NRCC-ELC-E

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.
Documentation Author Name: JOSE ARVALO
Documentation Author Company Name: AMERICAN MODULAR SYSTEMS
Address: 787 SPECKELS AVENUE
City/State/Zip: MANTENCA, CA
Date Signed: 06/30/23
CA Certification Identification (if applicable):
Phone: 209-825-1921

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

Responsible Person Name: Jose Arvalo	Responsible Person Title: Responsible Person
Company: American Modular Systems	Date Signed: 6-28-23
Address: 787 Speckels Avenue	City/State/Zip: Manteca, CA 95231
Phone: 209-825-1921	Phone: 209-825-1921

For assistance or questions regarding the Energy Standards, contact the Energy Hotline at: 1-800-772-3300

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance January 2022

CERTIFICATE OF COMPLIANCE - USER INSTRUCTIONS
Electrical Power Distribution

A. General Information

1. Enter the City the project is located in.
2. Climate Zone: Select from dropdown.
3. Select the applicable Occupancy Types within the Project.

B. Project Scope

1. Enter the Electrical Service Designation/Description.
2. Scope of Work: Select from dropdown.
3. Enter the VVA Rating.
4. Check if the Utility Provided Metering System meets Exception to §130.5(a)(160.6)(a)(3).
5. Check if the System is subject to CA Elec Code Article 517 Exception to §130.5(a)(b)(b).
6. Demand Response Controls static test.
7. Check if power is provided to dwelling units/common living areas only in a multifamily occupancy.

C. Compliance Results

1. Results in this table are automatically calculated from data input and calculations in Tables F through I.

D. Exceptional Conditions

1. This table is auto-filled with undetected calculations based on data entered in tables throughout the form.

E. Additional Remarks

1. Enter any notes or comments for the AHJ.

F. Service Electrical Metering

1. This field is filled out automatically.
2. This field is filled out automatically.
3. Instantaneous Demand checkbox is always checked.
4. Historical Peak Demand checkbox is checked automatically.
5. Tracking kWh for user-defined period checkbox is always checked.
6. kWh per year (rate) is checked automatically.
7. Enter the Location of Requirements in Construction Documents.
8. This is a Pass or Fail checkbox for the field inspector.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance January 2022

CERTIFICATE OF COMPLIANCE - USER INSTRUCTIONS
Electrical Power Distribution

G. Separation of Electrical Circuits for Energy Monitoring

1. Load Type per Table 130.5-B: Select from dropdown.
2. This field is filled out automatically.
3. Compliance Method: Select from dropdown.
4. Enter the Location of Requirements in the Construction Documents.
5. This is a Pass or Fail checkbox for the field inspector.

H. Voltage Drop

1. This field is filled out automatically.
2. Select the Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method.
3. Location of Voltage Drop Calculation: Select from dropdown.
4. Enter the Sheet Number for Voltage Drop Calculation in Construction Documents.
5. This is a Pass or Fail checkbox for the field inspector.

I. Circuit Controls for 120-Volt Receptacles and Controlled Receptacles

1. Enter the Room Name or Description.
2. Location/Type of Controlled Receptacles: Select from dropdown.
3. Shut-Off Controls: Select from dropdown.
4. Demand Response Controls: Select from dropdown.
5. Check if a Permanent Durable Marking Will be Used.
6. Enter the Location of Requirements in the Construction Documents.
7. This is a Pass or Fail checkbox for the field inspector.

J. Electric Ready Buildings

1. Select the applicable systems serving multifamily occupancy that use gas or propane.
2. Check Yes to verify your project meets the requirements.

K. Declaration of Required Certificates of Installation

Selections have been automatically made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E, Additional Remarks.

L. Declaration of Required Certificates of Acceptance

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance January 2022

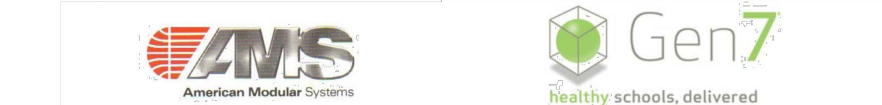
CERTIFICATE OF COMPLIANCE - USER INSTRUCTIONS
Electrical Power Distribution

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E, Additional Remarks.

Documentation Declaration Statements

1. The person who prepared the NRCC will sign and complete the fields for their name, company (if applicable), address, phone number, certification information (if applicable), date and signature.
2. The person who is assuming responsibility for the project being built to comply with Title 24, Part 6, will complete the fields for their name, company (if applicable), address, phone number, license number (if applicable), date and signature.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance January 2022



April 30, 2023
DSA
Division of the State Architect
5100 Street
Sacramento, CA 95811

This letter is in regards to the 2022 EnergyCALGreen Code DSA Plan Review, 2022 CIRC - AMS PC Submissions.
American Modular Systems (AMS) shall confirm their on-site construction practices to comply with the required construction waste management practices (illustrated in the Part 11, Title 24 California Green Building Code (CGBC). The intent of this letter is to inform, illustrate, and demonstrate that AMS and its buildings comply to the following applicable code section (highlighted below):

2022 California Green Building Code (CGBC) - (Part 11, Title 24, CGBC)

- Section 11.01.1 - Construction Waste Management
If the construction waste management takes place in the factory, provide program specifics to CALGreen plan reviewer which identifies:
1. Percentage of waste to be salvaged or recycled with a minimum of 60% of nonhazardous construction waste.
2. Procedures for waste management reporting.
3. Type of waste to be diverted.
4. Control of bulk material.
5. If handled by a waste management company or a diversion facility.
6. Recycled content requirements.

AMS shall comply to this section by the following procedure & practices:
1. AMS shall be responsible for the organization and management of construction waste on the factory site, including the responsibility of recycling waste that is a minimum of 60% of non-hazardous construction waste.
2. AMS shall make sure that waste is properly managed and that the waste management company is licensed and authorized waste management company from the City of Manteca, or equivalent in that state. Upon approval, the bins shall be dropped off at factory site by land waste management company. As the bins reach full capacity of construction waste, AMS schedules a pickup for the bins and a green service receipt from the waste management company.
3. AMS shall station the bins wherever needed for AMS plant workers to salvage and/or recycle construction waste during the work day. Each bin is labeled to help sort the different types of construction waste (e.g. Wood, Steel, Metal, Glass, Leather).
4. AMS plant workers and management are responsible for sorting each bin with the correct types of construction waste into them.
5. The invoice provided by the third waste management company provides a description of the bins and additional information.
6. Invoice receipts provides calculated weights of each bin & pricing of rental usage.

The PC plans and specifications will not reflect and show these procedures for any project. Any questions regarding the construction waste management procedures, please feel free to contact AMS's office.

Thank you,
Rafael P. Covarrubias
Rafael P. Covarrubias

American Modular Systems, Inc., 787 Speckels Ave., Manteca, California 95236, Ph: 209-825-1921 Fax: 209-825-7918
www.americanmodular.com

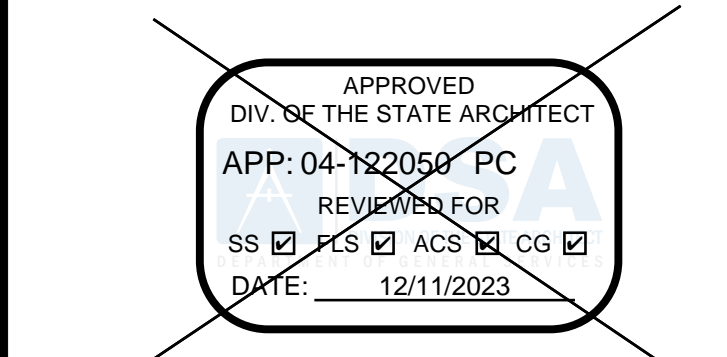


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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)
FORM

SITE SPECIFIC PROJECT NAME

POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376



2022 CIRC PRE-CHECK (PCI) DOCUMENT
(A SEPARATE PROJECT APPLICATION AND CERTIFICATION IS REQUIRED)

MANUFACTURER PROFESSIONAL OF RECORD ON PC



THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS OTHERWISE INDICATED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22
SHEET TITLE:

ENERGY CALCULATIONS
SUPPLEMENTAL SHEET

SHEET NUMBER:

EN.76

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
ENERGY CALCULATIONS SUPPLEMENTAL SHEET

DATE: 04/03/24 CLIENT PROJ NO: 3595001000

SHEET:

EN.76
ADDENDUM "A"

THE LINE SHOWN ABOVE IS
BASED ON THE INFORMATION PROVIDED
BY THE CLIENT AND IS NOT TO BE
USED FOR ANY OTHER PURPOSE.

Autodesk Docs: 13585000000 TUSD TK CLASSROOMS 2025 R22.2358500000-A-TUSD-BOHN-SITE-1M
12/2/2024 8:56:54 AM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 02-122977 INC.

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 03/12/2025



HMC Architects

3595001000

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

ISSUE	DESCRIPTION	DATE
Δ	ADDENDUM "A"	3/20/25

AMS
American Modular Systems

787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

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PRE-CHECKED SET NAME

24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)

FORM

SITE SPECIFIC PROJECT NAME

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122050 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 12/11/2023

2022 CBC PRE-CHECK (PC) DOCUMENT
(A SEPARATE ANALYSIS APPLICATION FOR CERTIFICATION IS REQUIRED)

MANUFACTURER PROFESSIONAL OF RECORD ON PC

REGISTERED ARCHITECT
MICHAEL PATRICK COWAN
No. C12631
Ren. 3-31-25
STATE OF CALIFORNIA

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

DRAWN BY: AA
SCALE: AS NOTED
DATE: MMDDYY
PROJECT NO: XXXX-22
SHEET TITLE:

TYPICAL FLOOR PLAN

SHEET NUMBER:

A1.0

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

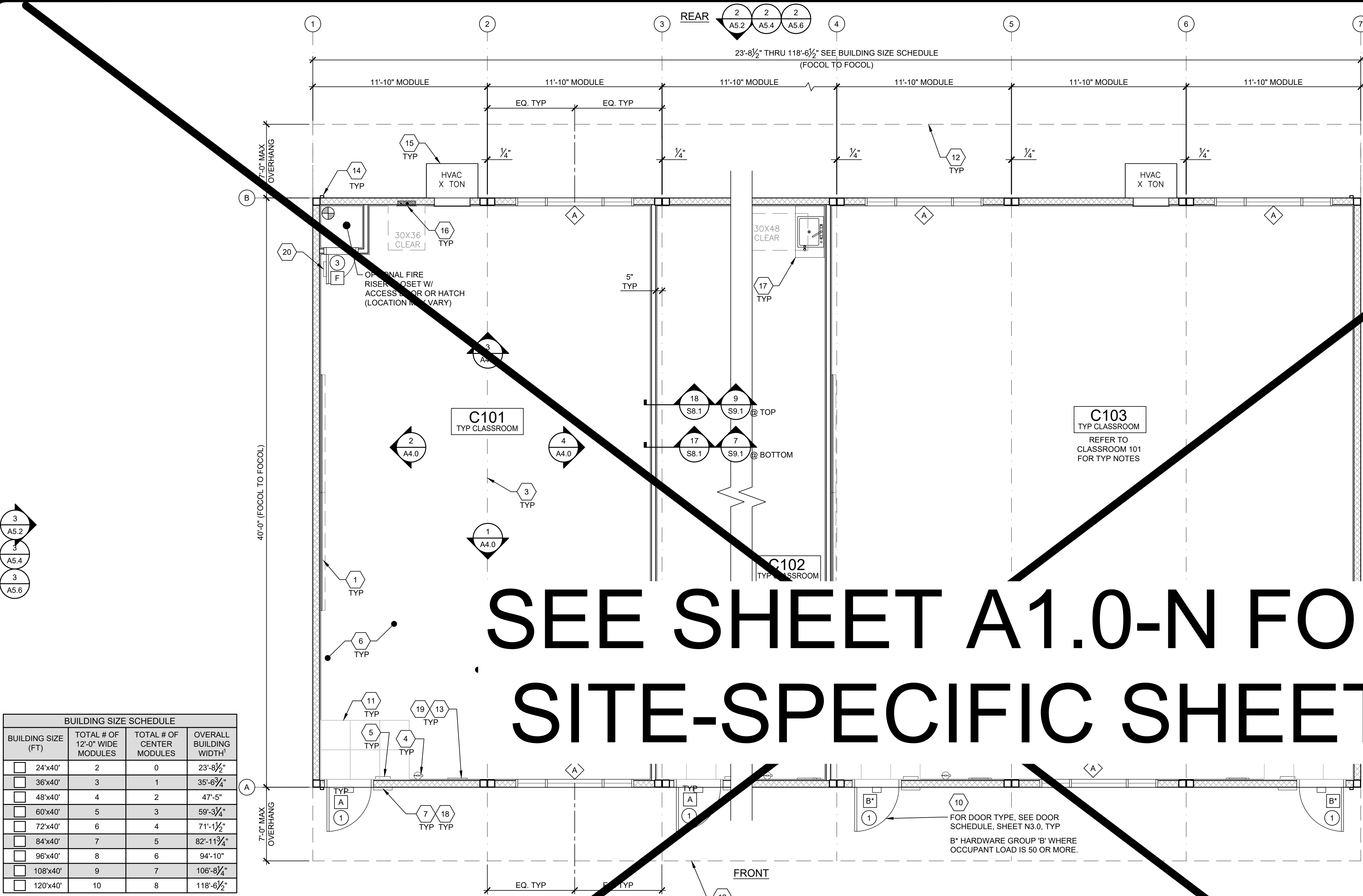
PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
TYPICAL FLOOR PLAN

DATE: 04/03/24	CLIENT PROJ NO: 3595001000
SHEET:	

A1.0

ADDENDUM "A"



BUILDING SIZE SCHEDULE		
BUILDING SIZE (FT)	TOTAL # OF 12'-0" WIDE MODULES	TOTAL # OF CENTER MODULES
24'x40'	2	0
36'x40'	3	1
48'x40'	4	2
60'x40'	5	3
72'x40'	6	4
84'x40'	7	5
96'x40'	8	6
108'x40'	9	7
120'x40'	10	8

- NOTES:
- TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULAR CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.0, S1.1, S1.2, & S1.3.

TYPICAL FLOOR PLAN

(NO HATCH) 2X4 WALLS

(HATCH) 2X8 WALLS

WALL LEGEND

(X) = KEY NOTE - SEE KEY NOTES ABOVE

(X) = DOOR TYPE - SEE SCHEDULE, SHEET N3.0

(X) = DOOR HARDWARE - SEE HARDWARE SCHEDULE, SHEET N3.0

(X) = WINDOW TYPE - SEE SCHEDULE, SHEET N3.0

SYMBOLS LEGEND

IN-ROOM SINK OPTION
BASE CABINET WITH SOLID SURFACE OR PLASTIC LAMINATE COUNTERTOP AND SINK. CABINET SHALL HAVE PLASTIC LAMINATE FINISH. CABINET WITH SINK SHALL BE ACCESSIBLE - SEE DETAIL 8/P2.0.

FOR SINK HEIGHT & DIMENSIONS, SEE DETAIL 8/P2.0.

(SEE PLUMBING FIXTURE SCHEDULE ON SHT. P1.0)

30"x48" CLEAR FLOOR SPACE EXTENDS MINIMUM 19" UNDER THE COUNTER (11B-306.2.3, EXC. 1) SEE DETAIL 8/P2.0

FROM FRONT RIM OF THE SINK OR COUNTER SURFACE, WHICHEVER IS HIGHER OR GREATER

SECTION B-B

NO SHELVES
NO CABINET BASE
NO DOORS - SEE DETAIL 8/P2.0 FOR CLEARANCE DIMENSIONS

CLASSROOM SINK - OPTIONAL

ENERGY CONTROLS

1. DEMAND RESPONSE CONTROLS:
ONLY REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F., THEREFORE, NOT REQUIRED FOR THIS PC.

2. AUTOMATIC DAYLIGHTING CONTROLS:
NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS. INSTALLED WATTAGE IN PRIMARY SIDELIT DAY LIT ZONE IS 90 WATTS (2x 45w, AS SHOWN ON SHEET E1.0). THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE ONLY REQUIRED WHEN "SOLATUBES" ARE INSTALLED. SEE A1.1

3. ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION:
PER TITLE 24 CODE, "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE MINIMUM REQUIREMENTS". PC MAY CONTAIN OCCUPANCY SENSORS AND PHOTOCELL CONTROL LIGHTING. IN THAT CASE, AN EMCS IS NOT REQUIRED FOR THIS PC.

4. SOLAR-READY ZONE REQUIREMENTS:
REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0

NOTE:
ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THE BASE PC.

ENERGY NOTES

ACOUSTIC CONTROLS

1. WHEN THE PRE-CHECK (PC) BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES SHALL COMPLY WITH THE CALGREEN CODE, SECTION 5.507.4, FOR THE SPECIFIC SITE LOCATION.

2. MINIMUM WALL ASSEMBLIES:
WALL ASSEMBLIES SHALL BE CONSTRUCTED PER DETAIL SHEETS A5.3, A5.5, A5.7, & A8.0, WITH EITHER 2x4 WOOD STUDS OR 6" STEEL STUDS PER LISTED OPTIONS.
MINIMUM STC RATINGS LISTED BELOW ARE PER THE CATALOG OF STC & IIC RATINGS FOR WALL AND FLOOR/CEILING ASSEMBLIES, PRODUCED BY THE OFFICE OF NOISE CONTROL, CA DEPARTMENT OF HEALTH SERVICES.

(1) LAYER 1/2" GYPSUM BOARD SECURED TO MIN. 2x4 STUDS @ 16" O.C. MAX.

(1) LAYER 1/2" GYPSUM BOARD SECURED TO MIN. 2x4 STUDS @ 16" O.C. MAX.

ACOUSTIC NOTES

1 (2) 8x4' MARKER BOARDS - SEE SHEET A4.0

2 NOT USED

3 TYP MOD LINE

4 FIRE EXTINGUISHER - TOP OF HANDLE @ +48" A.F.F.
4" MAX PROTRUSION FROM WALL IF BOTTOM OF FIRE EXTINGUISHER IS ABOVE 27" A.F.F. - SEE 19N4.0

5 TACTILE EXIT SIGN PER DETAIL 10N4.0 (BY OTHERS)

6 EGRESS AREA

7 ROOM SIGNAGE AND I.S.A. PER DETAIL S58/N4.0 (BY OTHERS)

8 NOT USED

9 CARPET

10 EGRESS DOOR

11 NON-ABSORBENT FLOOR AREA (2'-0" MIN. IN ALL DIRECTIONS @ ALL ENTRY DOOR) CHUPANT LEVEL ARE NOT PERMITTED IN DOOR MANEUVERING CLEARANCE. NON-ABSORBENT MATERIAL SHALL BE FLUSH WITH CARPET (11B-404.2.4)

12 OPTIONAL OVERHANG

13 OCCUPANT LOAD SIGN PER DETAIL 11N4.0 (BY OTHERS)

14 DOWNSPOUT - DISCHARGE TO SPLASH BLOCK (U.O.N.) (QUANTITY AND LOCATION MAY VARY)

15 HVAC - SEE MECHANICAL AND NOTES ON EXTERIOR ELEVATIONS.

16 ELECTRICAL PANEL (LOCATION MAY VARY)

17 CASEWORK WITH SINK - REFER TO 17-

18 FLOOR LIVE LOAD SIGN PER 2022 CBC SECTION 106.1. (FLOOR LIVE LOAD SIGN IS REQUIRED ONLY FOR COMMERCIAL OR INSTITUTIONAL BUILDINGS DESIGNED WITH LIVE LOADS EXCEEDING 50 PSF) WHERE 150 PSF LIVE LOAD IS SPECIFIED, THE TEXT "LONG TERM STORAGE NOT PERMITTED" SHALL ALSO BE INCLUDED ON THE SIGN.

19 ASSISTIVE LISTENING (AL) SIGN POSTED IN PROMINENT PLACE AT OR NEAR THE ENTRANCE PER 17N4.0.

20 FIRE RISER SIGNAGE WITH 2" LETTERING WITH 3/8" MIN. STROKE ON THE CONTRASTING BACKGROUND.

KEY NOTES

1. REFER TO SHEETS N5.0 AND N5.1 FOR POSSIBLE ADDITIONAL FLOOR PLAN CONFIGURATIONS.

2. OPTIONAL INTERIOR WALLS MAY OCCUR THROUGHOUT THE BUILDING AS CONSTRUCTED PER SHEETS S8.1 OR S9.1. THE PC TITLE 24 HAS BEEN RUN FOR THE WORST CASE ENVELOPE BASED ON AREA.

3. PANIC HARDWARE COMPLYING WITH C.B.C. 1010.2.9 IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER.

4. IF OCCUPANT LOAD EXCEEDS 50, PROVIDE A SECOND EXIT DOOR, PER CBC TABLE 1006.2.1.

5. FOR EVERY ROOM OR SPACE USED FOR ASSEMBLY OR CLASSROOM, PROVIDE AN OCCUPANT LOAD SIGN (BY OTHERS) IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT, PER C.B.C. SECTION 1004.9.

6. ALL PRIMARY EXTERIOR DOOR ENTRIES SHALL BE COVERED TO PREVENT WATER INTRUSION BY USING NONABSORBENT FLOOR AND WALL FINISHES WITHIN AT LEAST 2 FEET AROUND AND PERPENDICULAR TO OPENING, PER CALGREEN, SECTION 5.407.2.1.

7. PRIMARY EXTERIOR DOOR ENTRIES SHALL HAVE AT LEAST ONE OF THE FOLLOWING:
• INSTALLED AWNING AT LEAST 4 FEET IN DEPTH (BY OTHERS).
• OPTIONAL SIDE WALL CANOPY (4 FEET IN DEPTH) PER SHEET S5.4A.
• ROOF OVERHANG AT LEAST 4 FEET IN DEPTH.
• DOOR RECESSED AT LEAST 4 FEET.
• OTHER METHODS WHICH PROVIDE EQUIVALENT PROTECTION (BY OTHERS).

8. WINDOW PLACEMENT & SIZE MAY VARY.
THE WINDOW GLASS SHALL NOT EXCEED THE AREA LISTED IN THE WINDOW GLAZING AREA TABLE IN SHEET N3.0

9. CABINERY MAY BE INSTALLED ON ONE OR BOTH SIDES OF INTERIOR WALLS AND THE INSIDE FACE OF EXTERIOR WALLS WHEN INSTALLED PER THE DETAIL 8/A7.1.

10. IF FIRE RATED WALLS ARE REQUIRED DUE TO SITE SPECIFIC REQUIREMENTS, REFER TO SHEET A8.0 FOR 1 HOUR RATED DETAILS

SITE NOTE

3/16:12 (1%) MINIMUM TO 1/4:12 (2%) MAXIMUM GRADE FROM FACE OF BUILDING MUST BE ADHERED TO FOR WATER RUN-OFF. PONDING MAY OCCUR AROUND THE PERIMETER OF THE BUILDING.

SHEET NOTES

3. IN THE EVENT THAT A PC CLASSROOM IS DESIGNED TO CONNECT TO ANOTHER PC CLASSROOM OR RESTROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR/CEILING SHALL MEET THE MINIMUM REQUIREMENT OF A STC OF 40, PER CALGREEN CODE SECTION 907.4.3. (EXAMPLES OF QUALIFYING ASSEMBLIES SHOWN BELOW).

(2) LAYER 5/8" GYPSUM BOARD SECURED TO MIN. 2x4 STUDS @ 24" O.C. MAX. w/ 3/2" THK. BATT INSULATION

STC=40
TEST REF.: AUDIO ALLOY L.L.C TEST NUMBER: OL-05-1003

(2) LAYER 5/8" GYPSUM BOARD SECURED TO MIN. 2x4 METAL STUDS @ 24" O.C. MAX. w/ 3/2" THK. BATT INSULATION

STC=48
TEST REF.: AUDIO ALLOY L.L.C TEST NUMBER: OL-92-410

4. MINIMUM WINDOW & DOOR RATINGS:
ALL WINDOWS AND DOORS SPECIFIED ON THE SCHEDULES FOUND ON SHEET N3.0 OF THIS PACKAGE SHALL MEET A MINIMUM STC RATINGS OF

ACOUSTIC NOTES

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Autodesk Docs: 13585009000 TUSD TK CLASSROOMS 2025 R22.23585009000-A-TUSD-BOHN-SITE-14
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3595001000

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SACRAMENTO, CA 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

DESCRIPTION	DATE
ADDENDUM "A"	3/20/25

KEYNOTES

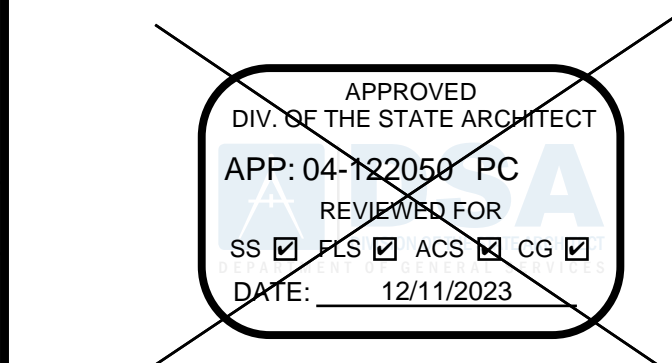
GENERAL NOTES



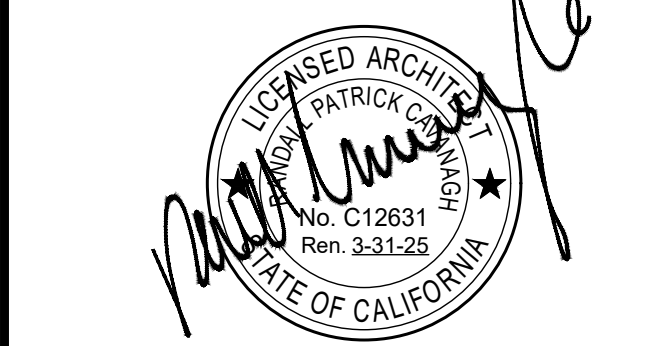
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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)
FORM

SITE SPECIFIC PROJECT NAME



2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT AREA CATEGORY FOR CONSTRUCTION IS REQUIRED
MANUFACTURER PROFESSIONAL OF RECORD ON PC



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REVISIONS

REVISIONS	

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE
TYPICAL ROOF PLAN
METAL STANDING SEAM
(WITHOUT PARAPETS)

SHEET NUMBER

A2.0

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
TYPICAL ROOF PLAN METAL STANDING SEAM
(WITHOUT PARAPETS)

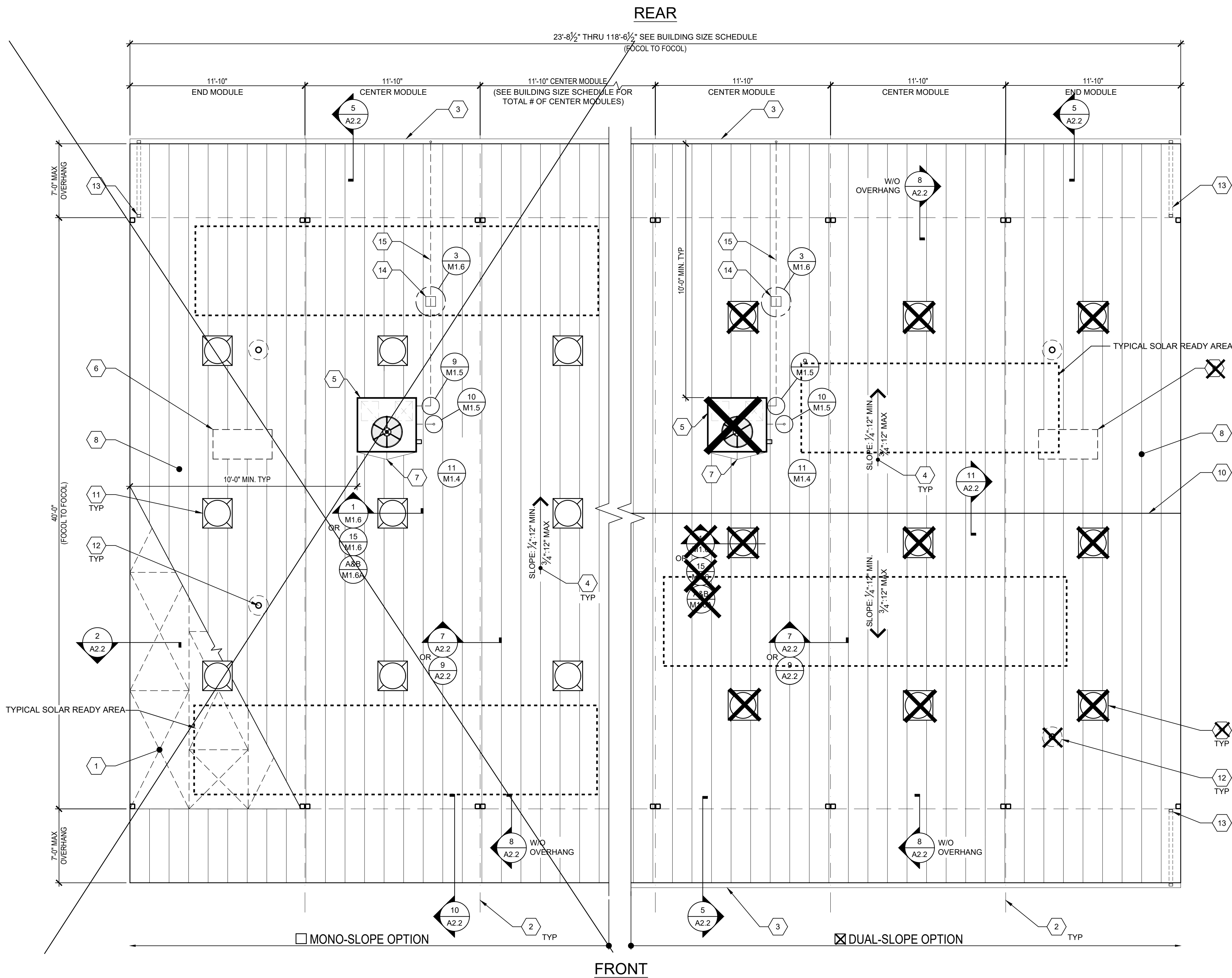
DATE: 04/03/24

CLIENT PROJ NO: 3595001000

SHEET:

A2.0

ADDENDUM "A"



- 1 ROOF SHEATHING PER SHEET S4.1 OR STEEL STRAP CROSS BRACING PER S4.0
- 2 TYPICAL MOD LINE
- 3 OPTIONAL GUTTER PER DETAIL S/A2.2
- 4 TYPICAL ROOF SLOPE
- 5 OPTIONAL ROOF MOUNTED HVAC PER M1.7
- 6 OPTIONAL ATTIC MOUNTED SPLIT-SYSTEM HVAC PER M1.7
- 7 CRICKET @ OPTIONAL HVAC PER 12/A2.2
- 8 STANDING SEAM METAL ROOF PER 7/SO.0 & DETAILS ON SHEET A2.2
- 9 NOT USED
- 10 RIDGE @ DUAL SLOPE OPTION
- 11 OPTIONAL SOLATUBE - SEE SHEET NOTE #1
- 12 PIPE VENT PER PLUMBING PLANS & 2/M1.6
- 13 OPTIONAL DOWNSPOUT - SEE ROOF DRAIN SCHEDULE BELOW FOR MIN. # OF DRAINS.
- 14 ROOF-TOP PIPE SUPPORT BLOCK PER DETAIL 3/M1.6
- 15 CONDENSATE LINE PER DETAIL 9/M1.5

KEY NOTES

1. SOLATUBE LOCATIONS SHOWN ON PLAN ARE GENERIC AND ACTUAL LOCATIONS MAY VARY - (4) MAX. PER MOD. FRAMING PER S4.0 & S4.1 INSTALLATION PER DETAILS 1 OR 15/M1.6
2. OPTIONAL GUTTERS SHALL BE LOCATED ALONG THE END-WALLS OF THE BUILDING(S).
MONO-SLOPE: REAR END WALLS ONLY.
DUAL-PITCH: BOTH FRONT & REAR END WALLS.
3. EITHER ROOF-SHEATHING OR STRAP CROSS BRACING MAY BE USED FOR MONO-SLOPE OR DUAL PITCH SLOPED BUILDING(S).

SHEET NOTES

- SOLAR ZONE REQUIRED, PER TITLE 24 SECTION 110.10: FOR NON-RESIDENTIAL BUILDINGS, 3 STORIES OR LESS, A MINIMUM OF 15% OF ROOF AREA (EXCLUDING SKYLIGHTS) MUST BE SET ASIDE FOR PHOTO-VOLTAICS (PV). THE ROOF MUST HAVE NO ROOF OBSTRUCTIONS.
1. REQUIRED SOLAR-READY ZONE: AREA PER THE CHART BELOW, MUST BE PROVIDED ON BUILDING ROOF.
 2. ZONE MUST BE LEFT VOID OF ROOF-MOUNTED HVAC UNITS, SKYLIGHTS OR OTHER OBSTRUCTIONS THAT WOULD HINDER FUTURE INSTALLATION OF SOLAR SYSTEM COMPONENTS, INCLUDING PV PANELS.
 3. TOTAL AREA REQUIRED FOR SOLAR-READY ZONE DOES NOT NEED TO BE LOCATED IN ONE AREA BUT CAN BE SPREAD OUT OVER ROOF.
 4. SOLAR-READY ZONE SHALL NOT INCLUDE ROOF OVERHANGS, AND SOLAR SYSTEM COMPONENTS MAY NOT BE PLACED THERE.
 5. THE ROOF STRUCTURE HAS BEEN DESIGNED PER THE DESIGN LOADS SPECIFIED ON SHEET TS, WHICH DOES INCLUDE LOADS FROM SOLAR EQUIPMENT THAT MIGHT BE INSTALLED AT A LATER DATE.
 6. EQUIPMENT SUCH AS SOLAR MODULES, INVERTERS, AND METERING EQUIPMENT DO NOT NEED TO BE INSTALLED, NOR DOES CONDUIT, PIPING, OR PRE-INSTALLED MOUNTING HARDWARE.
 7. A STRUCTURAL ENGINEER SHOULD BE CONSULTED PRIOR TO ANY FUTURE SOLAR INSTALLATIONS TO DETERMINE THE ADEQUACY OF THE ROOF FRAMING TO SUSTAIN THE LOADS OF THE INSTALLATION ON THE BUILDING STRUCTURE.
 8. A SEPARATE DSA APPLICATION NUMBER IS REQUIRED FOR DESIGN & INSTALLATION OF THE SOLAR PANEL SYSTEM, ITS ANCHORAGE & ROOF SUPPORT STRUCTURE.

REQUIRED SOLAR-READY ZONE			
BUILDING SIZE (NOM.)	MAX. ROOF AREA (SQ. FT.)	REQ'D ZONE AREA (SQ. FT.)	*CLIMATE ZONE GROUP(S)
<input type="checkbox"/> 24'x40'	960	0	N/A
<input checked="" type="checkbox"/> 36'x40'	1440	0	N/A
<input type="checkbox"/> 48'x40'	1920	288	D
<input type="checkbox"/> 60'x40'	2400	360	D
<input type="checkbox"/> 72'x40'	2880	432	C, D
<input type="checkbox"/> 84'x40'	3360	504	A, B & D
<input type="checkbox"/> 96'x40'	3840	576	A & D
<input type="checkbox"/> 108'x40'	4320	648	D
<input type="checkbox"/> 120'x40'	4800	720	D

*NOTE:
GROUP A: CLIMATE ZONES 1, 16
GROUP B: CLIMATE ZONES 2 - 5
GROUP C: CLIMATE ZONES 6 - 13
GROUP D: CLIMATE ZONES 14, 15

TYPICAL ROOF PLAN

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

ROOF AREA DRAINS (WITH 7'-7" OVERHANGS)			
BUILDING SIZE (NOM.)	ROOF AREA	MINIMUM NO. OF DRAINS	SIZE OF DRAIN
<input type="checkbox"/> 24'x40'	1296	1	2x3
<input checked="" type="checkbox"/> 36'x40'	1644	1	2x3
<input type="checkbox"/> 48'x40'	2592	1	2x3
<input type="checkbox"/> 60'x40'	3420	2	2x3
<input type="checkbox"/> 72'x40'	3888	2	2x3
<input type="checkbox"/> 84'x40'	4536	2	2x3
<input type="checkbox"/> 96'x40'	5184	2	2x3
<input type="checkbox"/> 108'x40'	5832	2	2x3
<input type="checkbox"/> 120'x40'	6480	3	2x3

- NOTES:
1. DOWNSPOUTS & LEADERS PER C.P.C. 1106.1 AND TABLE 1103.1.
 2. PC DOWNSPOUT SIZING BASED ON ROOF AREA AND MAX RAINFALL RATE OF 3" PER HOUR. SITE SPECIFIC BUILDING MAY UTILIZE LOCAL RAINFALL RATE--PROVIDE SITE RAINFALL RATE TO DETERMINE MINIMUM NUMBER OF DRAINS REQUIRED.

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'-0" WIDE CENTER MODULES	TOTAL # OF OVERALL BUILDING WIDTH	
<input type="checkbox"/> 24'x40'	2	0	23'-8 1/2"
<input checked="" type="checkbox"/> 36'x40'	3	1	35'-6 3/4"
<input type="checkbox"/> 48'x40'	4	2	47'-5"
<input type="checkbox"/> 60'x40'	5	3	59'-3 1/2"
<input type="checkbox"/> 72'x40'	6	4	71'-1 1/2"
<input type="checkbox"/> 84'x40'	7	5	82'-1 1/2"
<input type="checkbox"/> 96'x40'	8	6	94'-10"
<input type="checkbox"/> 108'x40'	9	7	106'-8 1/4"
<input type="checkbox"/> 120'x40'	10	8	118'-6 1/2"

- NOTES:
1. TOTAL WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOOTING.

ROOF DRAIN SCHEDULE

BUILDING SIZE SCHEDULE

NOT USED





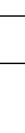
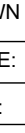
3 NOT USED

4 SOLAR-READY ZONE REQUIREMENTS

PLEASE RECYCLE

ISSUE	
Δ DESCRIPTION	DATE
Δ ADDENDUM "A"	3/20/25

GENERAL NOTES

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<p>PRE-CHECKED SET NAME</p> <p style="text-align: center; font-size: 1.2em;">24' x 40' THRU 120' x 40'</p> <p style="text-align: center; font-weight: bold;">STANDARD MODULAR BUILDING (LOW SEISMIC)</p> <div style="display: flex; align-items: center; justify-content: center;">  <h1 style="margin: 0;">FORM[®]</h1> </div> <p>SITE SPECIFIC PROJECT NAME</p>	
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<p><input type="checkbox"/> 2022 CBO PRE-CHECK (PC) DOCUMENT <small>(A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED)</small></p> <p>MANUFACTURER PROFESSIONAL OF RECORD ON PC</p> <div style="text-align: center; margin-top: 20px;">  </div>	
<p style="text-align: center; font-size: 0.8em;">THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.</p> <p style="text-align: center; font-weight: bold;">REVISIONS</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 10px;">  </div> <div style="margin-bottom: 10px;">  </div> <div>  </div> </div>	
<p>DRAWN BY: AA</p> <p>SCALE: AS NOTED</p> <p>DATE: MM/DD/YYYY</p> <p>PROJECT NO: XXXX-22</p>	
<p>SHEET TITLE:</p> <p style="text-align: center; font-weight: bold; font-size: 1.2em;">TYPICAL ROOF DETAILS METAL STANDING SEAM</p>	
<p>SHEET NUMBER:</p> <p style="text-align: center; font-size: 2em; font-weight: bold;">A2.2</p>	

DATE: 04/03/24 CLIENT PROJ NO: 35950011

SHEET:

A2.2

ADDENDUM "A"

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DESCRIPTION	DATE
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24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)

SITE SPECIFIC PROJECT NAME
.
.
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APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122050 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 12/11/2023

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REVISIONS	

DRAWN BY: AA
SCALE: AS NOTED
DATE: MMDDYY
PROJECT NO: XXXX-22

SHEET TITLE
INTERIOR ELEVATIONS
TYPICAL CLASSROOM

SHEET NUMBER:

A4.0

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
INTERIOR ELEVATIONS TYPICAL CLASSROOM

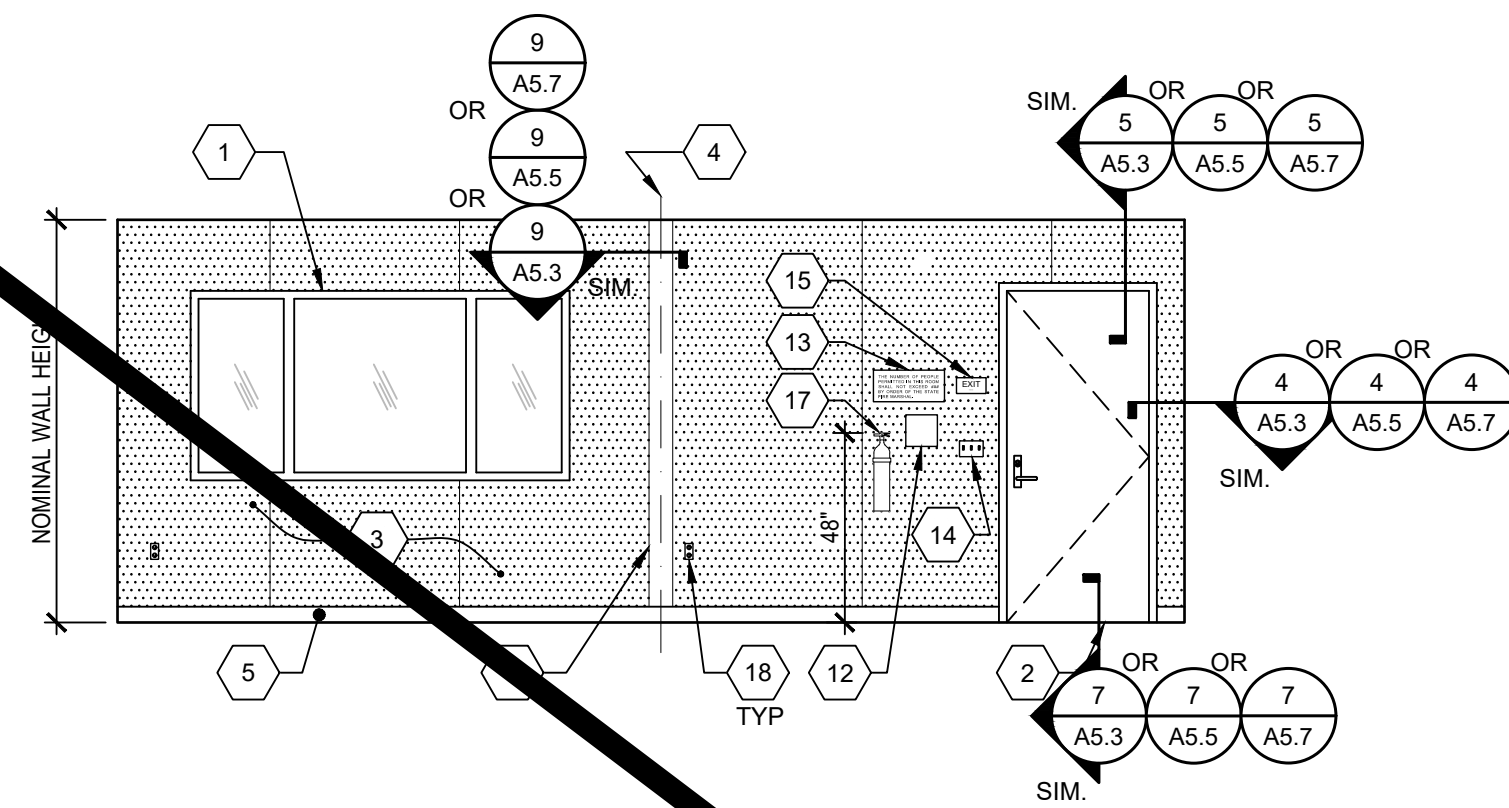
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CLIENT PROJ NO: 3595001000

SHEET:

A4.0

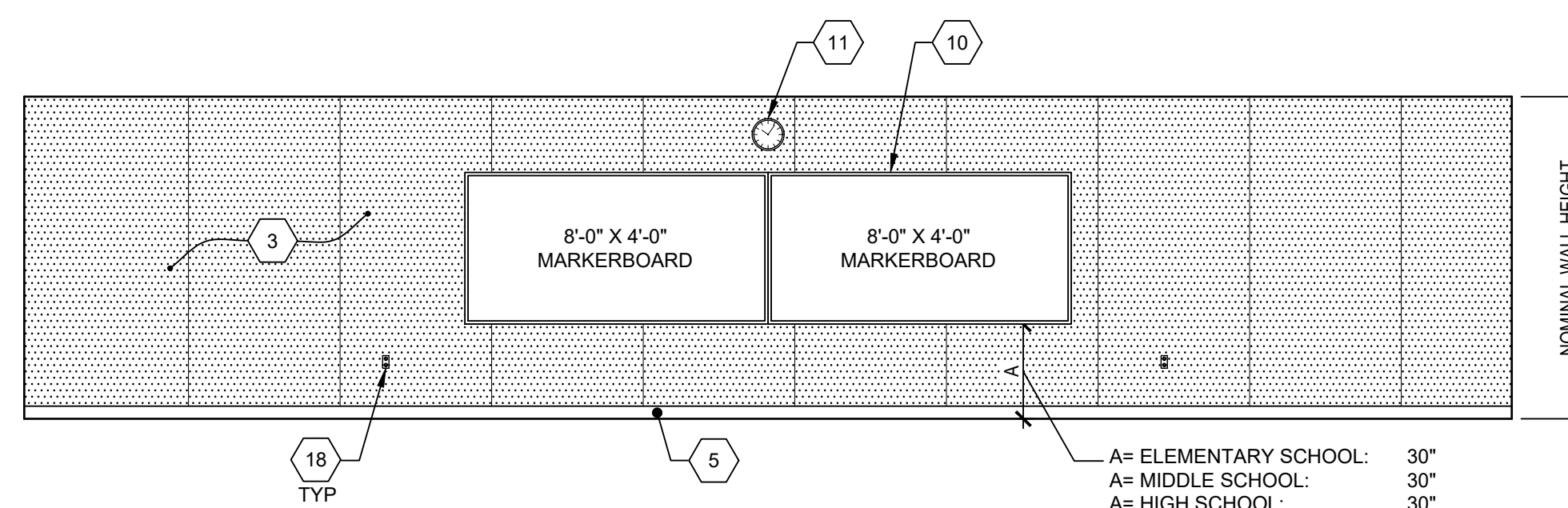
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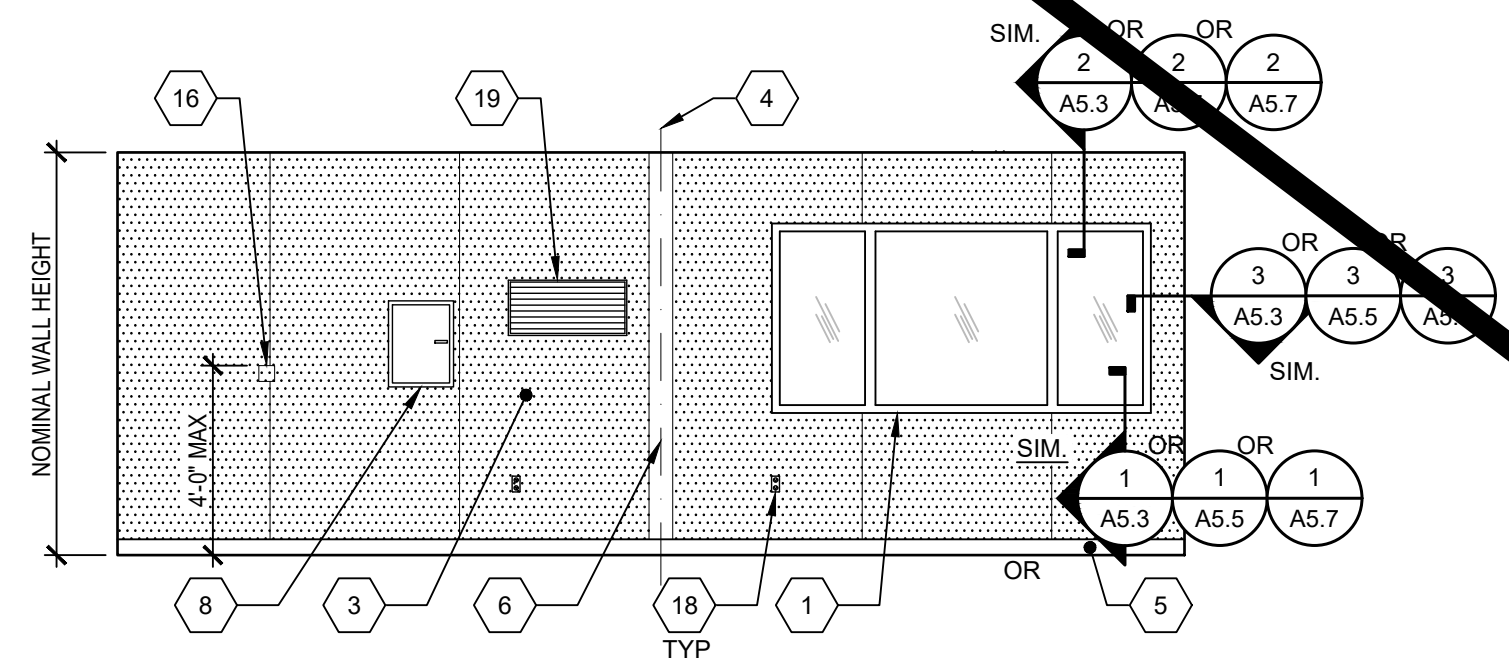
TYPICAL CLASSROOM FRONT END WALL ELEVATION

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

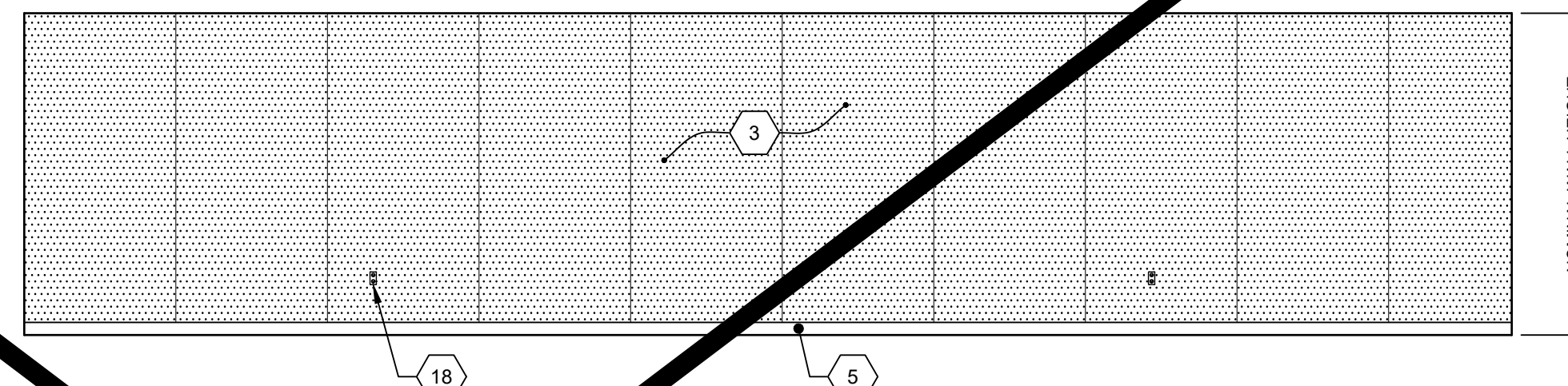


TYPICAL CLASSROOM SIDE WALL ELEVATION

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



TYPICAL CLASSROOM REAR END WALL ELEVATION



TYPICAL CLASSROOM SIDE WALL ELEVATION

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

SEE SHEET A4.0-N FOR
SITE-SPECIFIC SHEET

150# MAX
8'-0" BOARD
@ METAL STUDS:
#8x2" STS @ 16" O.C. TOP
(MIN. (5) SCREWS FOR AN
8'-0" BOARD)
@ WOOD STUDS:
#12 (2'x2") MIN PENETRATION INTO STUD
WOOD SCREWS @ 32" O.C. BOT. (MIN. (3)
SCREWS FOR AN 8'-0" BOARD)
@ METAL STUDS:
#8x2" STS @ 32" O.C. BOT. (MIN. (3)
SCREWS FOR AN 8'-0" BOARD)

NOTE:
1. ATTACHMENT IS FOR EACH MARKER BOARD.
2. EACH WHITEBOARD SHALL PROTRUDE 1" MAX HORIZONTALLY INTO THE
CIRCULATION PATH, PER CBC SECTION 19-07.2.
3. EACH WHITEBOARD SHALL HAVE FASTENERS PROVIDED BY
MANUFACTURER AS NOTED ABOVE.

MARKERBOARD ATT. DETAIL

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

NOT USED

5 NOT USED

6 NOT USED

7

MARKERBOARD ATT. DETAIL

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

NOT USED

9 NOT USED

10 NOT USED

11

NOT USED

12

KEY NOTES

- WINDOW, SEE SPEC'S
- TYP EXTERIOR DOOR
- TACKBOARD - (FLAME RESISTANT INDUSTRIAL TACKABLE BOARD) - SHALL BE CLASS A RATED (ASTM E-84) NOMINAL PANEL THICKNESS SHALL BE ± 0.5" AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES.
- TYP MOD LINE
- TOP SET BASE
- FULL PANEL CLOSE-UP AT MOD-LINE TYP
- NOT USED
- ELECTRICAL PANEL - SEE ELECTRICAL SHEETS
- NOT USED
- (2) 8"x4" MARKER BOARDS - SEE DETAIL 8/A4.0
- CLOSURE
- ASSISTIVE LISTENING SIGN, BY OTHERS, INSTALLED PER DETAIL 17/N4.0 SIGN SHALL BE A MAXIMUM OF 70" A.F.F. TO BASELINE OF HIGHEST TEXT.
- OCCUPANT LOAD SIGN PER DETAIL 11/N4.0 (BY OTHERS)
- LIGHT SWITCH - SEE ELECTRICAL SHEETS
- EXIT TACTILE SIGN PER DETAIL 10/N4.0 (NIC)
- THERMOSTAT, TOP @ 48" A.F.F. - SEE MECHANICAL SHEETS
- FIRE EXTINGUISHER TOP OF HANDLE @ 48" MAX. A.F.F. PROTRUSION MAX 4" FROM WALL IF BOTTOM OF FIRE EXTINGUISHER GREATER THAN 42" A.F.F. - SEE 19/N4.0
- TYP DUPLEX OUTLET - SEE ELECTRICAL SHEETS
- HVAC GRILL

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SHOULD NOT BE USED FOR
CONSTRUCTION.

Autodesk Docs: 13595001000 TUSD TK CLASSROOMS 2025 R22.23595001000-A-TUSD-BOHN-SITE-M
12/2/2024 8:56:37 AM

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REVIEWED FOR
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DATE: 03/12/2025



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DESCRIPTION	DATE
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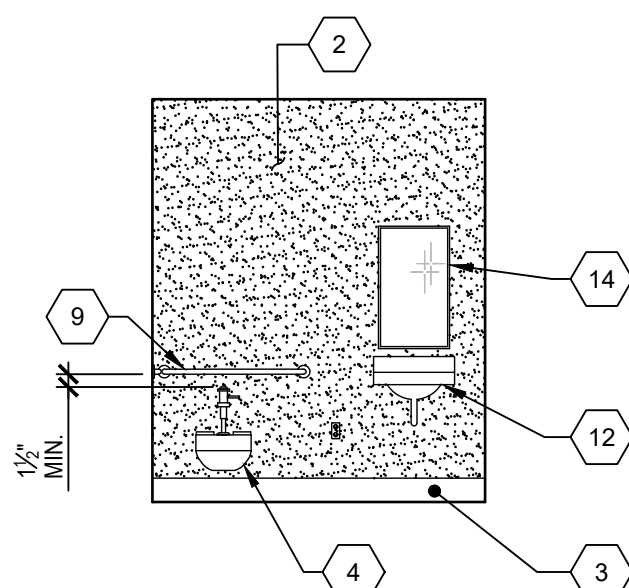
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STANDARD MODULAR BUILDING
(LOW SEISMIC)


SITE SPECIFIC PROJECT NAME

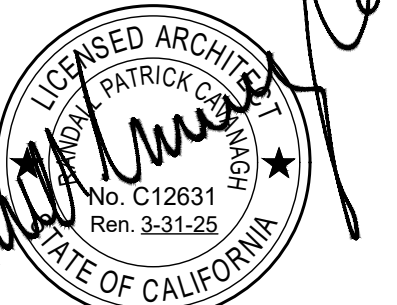
KEY NOTES



APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122050 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 12/11/2023

2022 CBC PRE-CHECK (PC) DOCUMENT
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REVISIONS

DRAWN BY: AA
SCALE: AS NOTED
DATE: MMDDYY
PROJECT NO: XXXX-22

SHEET TITLE
INTERIOR ELEVATIONS
RESTROOM OPTIONS

SHEET NUMBER

A4.1

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
INTERIOR ELEVATIONS RESTROOM OPTIONS

DATE: 04/03/24

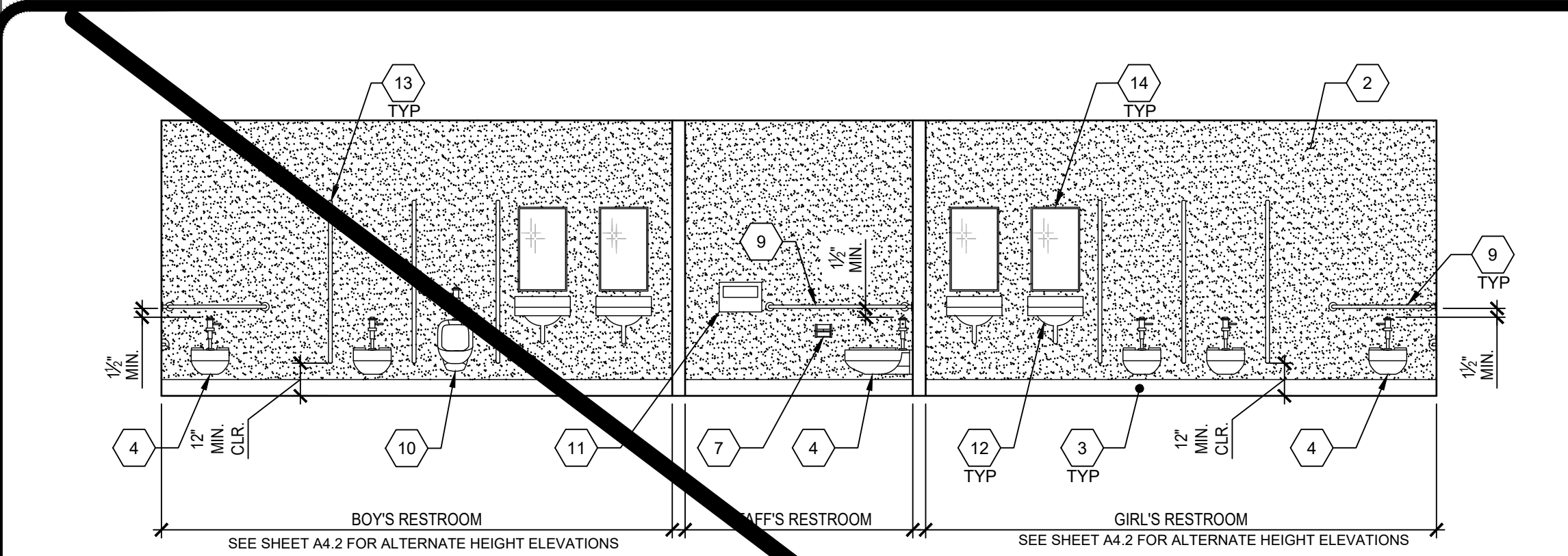
CLIENT PROJ NO: 3595001000

SHEET:

A4.1

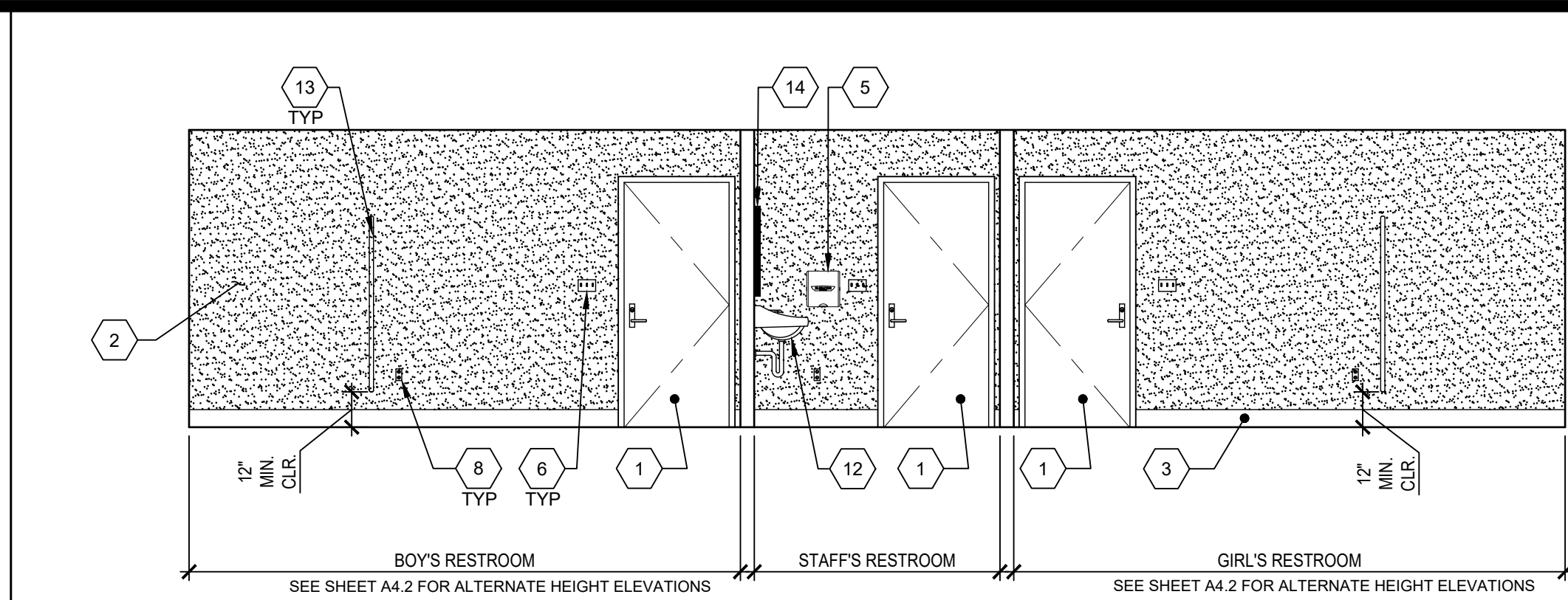
ADDENDUM "A"

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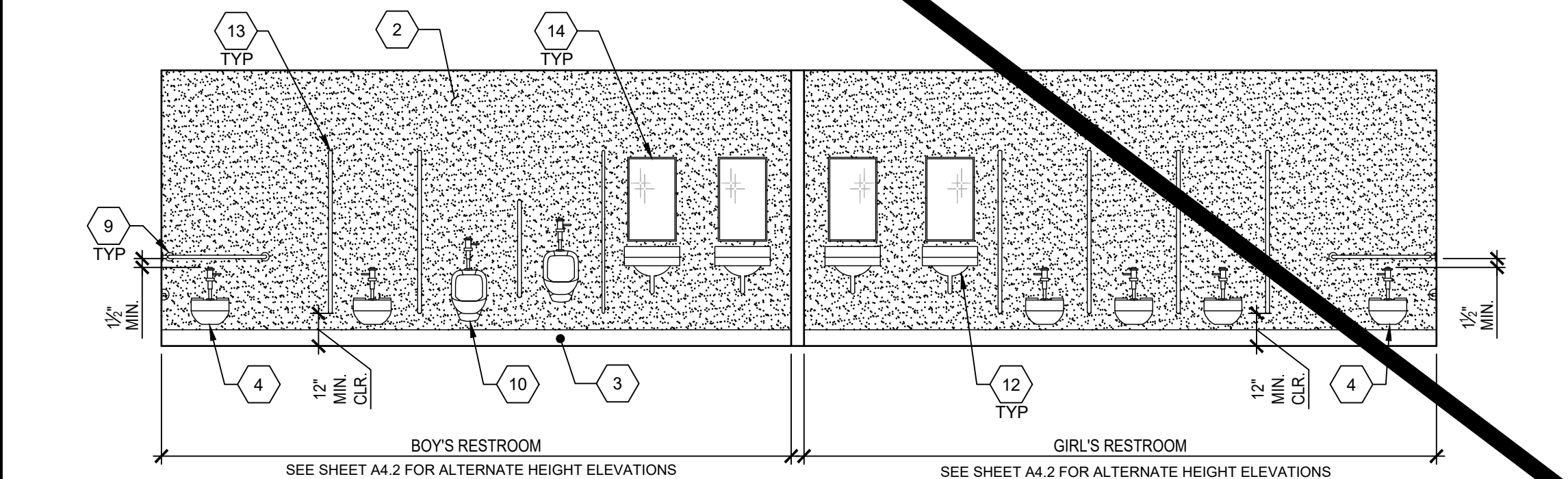
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SCALE: 1/4" = 1'-0"



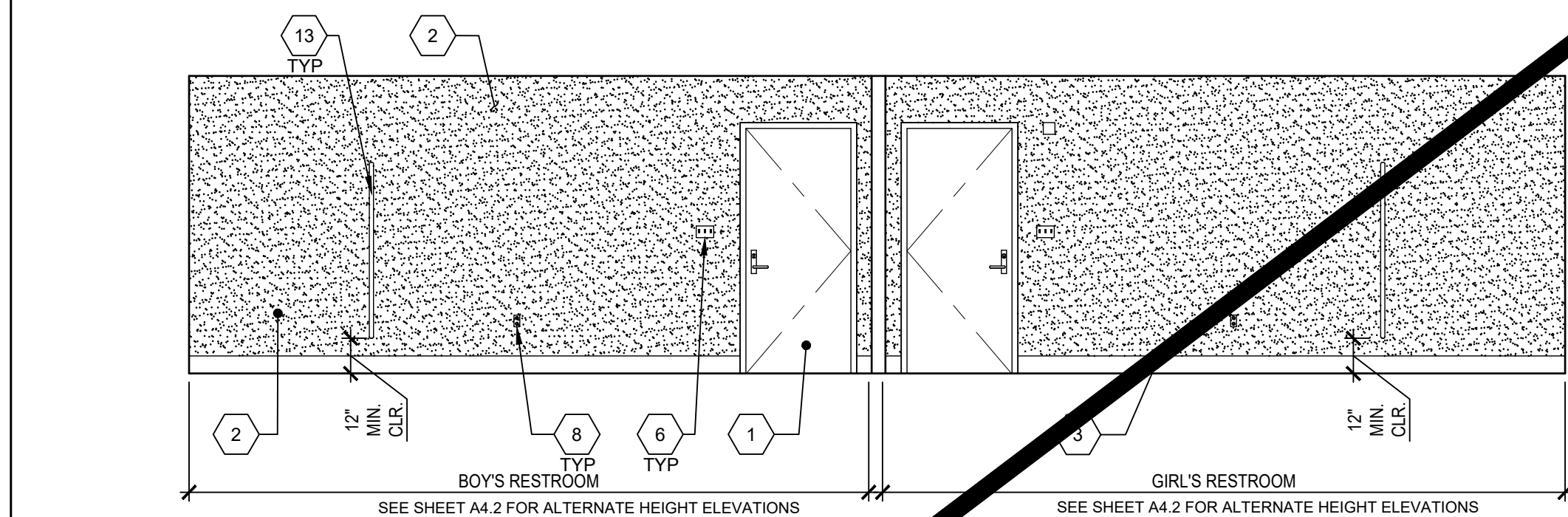
RESTROOM SIDEWALL ELEVATION - GIRLS, STAFF, BOYS

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



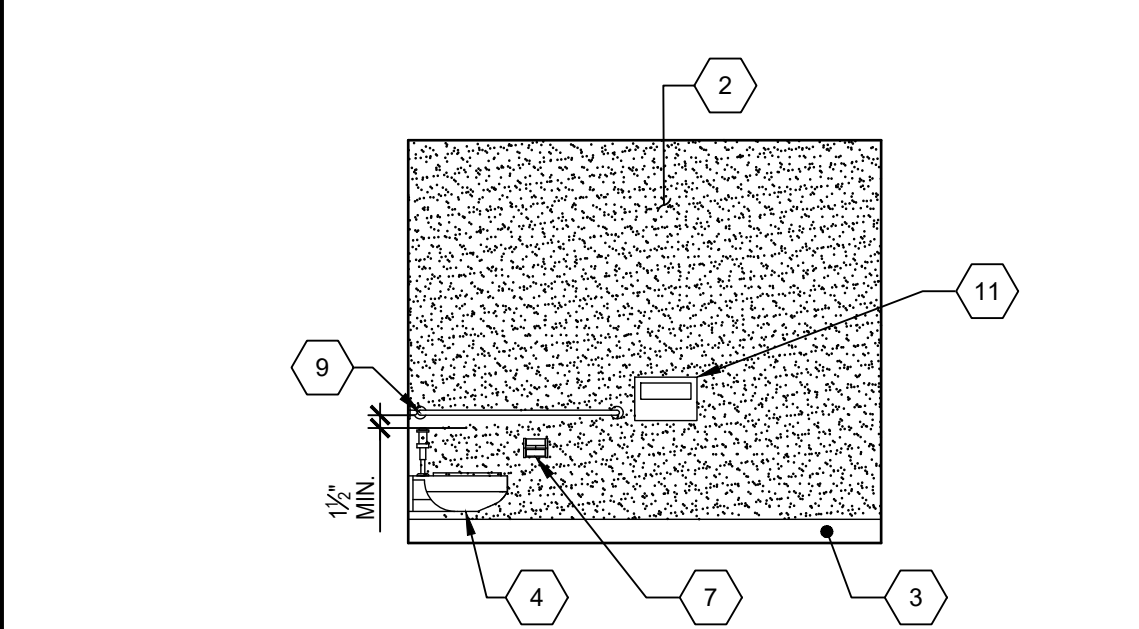
RESTROOM SIDEWALL ELEVATION - BOYS & GIRLS

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



RESTROOM SIDEWALL ELEVATION - BOYS & GIRLS

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



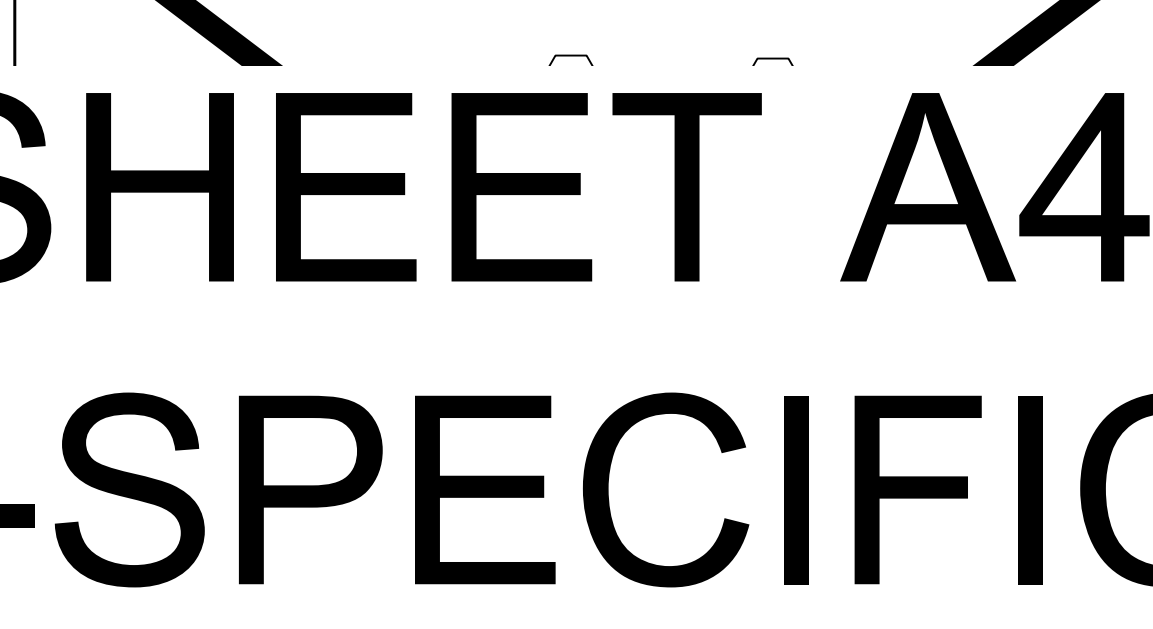
RESTROOM ENDWALL ELEV. - GIRLS

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



RESTROOM INTERIOR WALL ELEV. - GIRLS

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



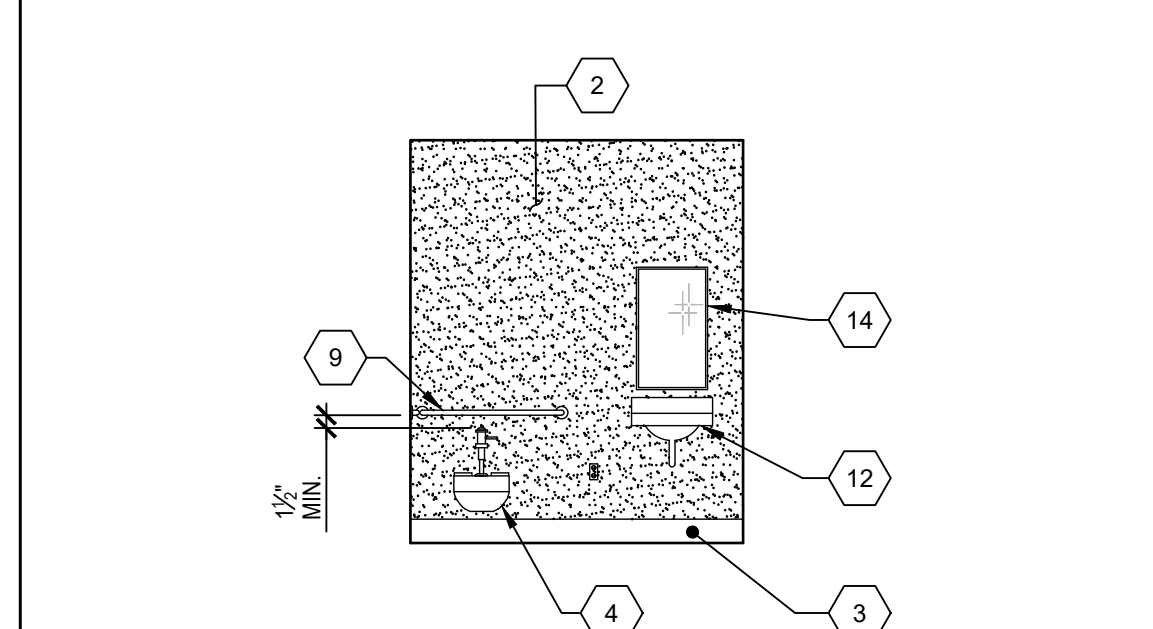
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SCALE: 1/4" = 1'-0"



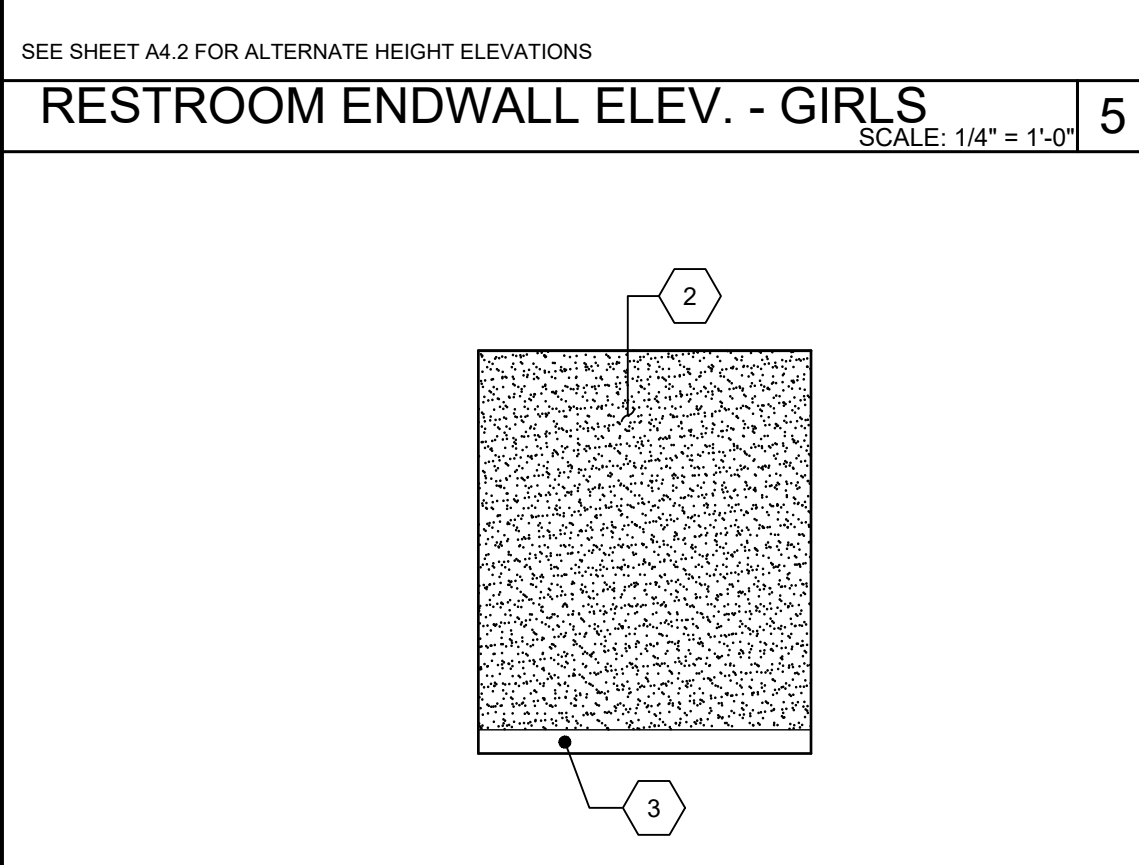
RESTROOM ENDWALL ELEV. - BOYS

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



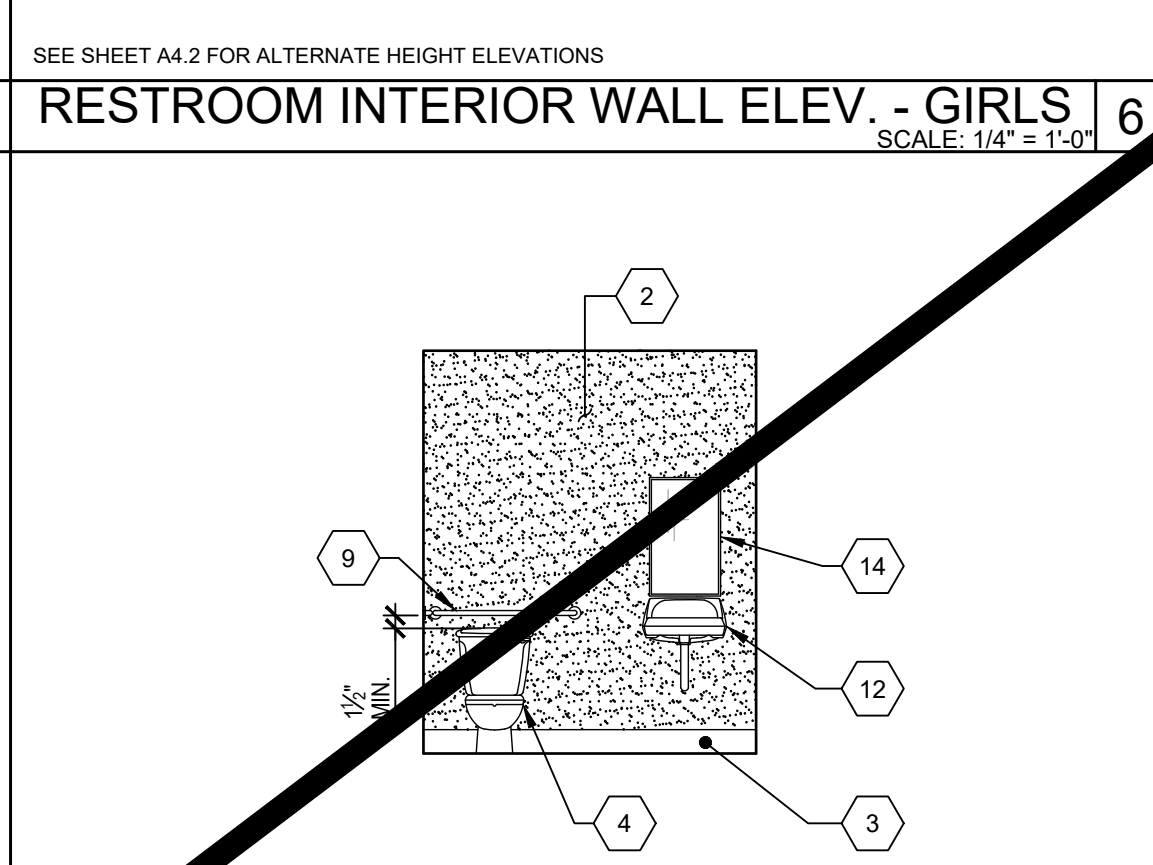
RESTROOM INTERIOR WALL ELEV. - STAFF

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



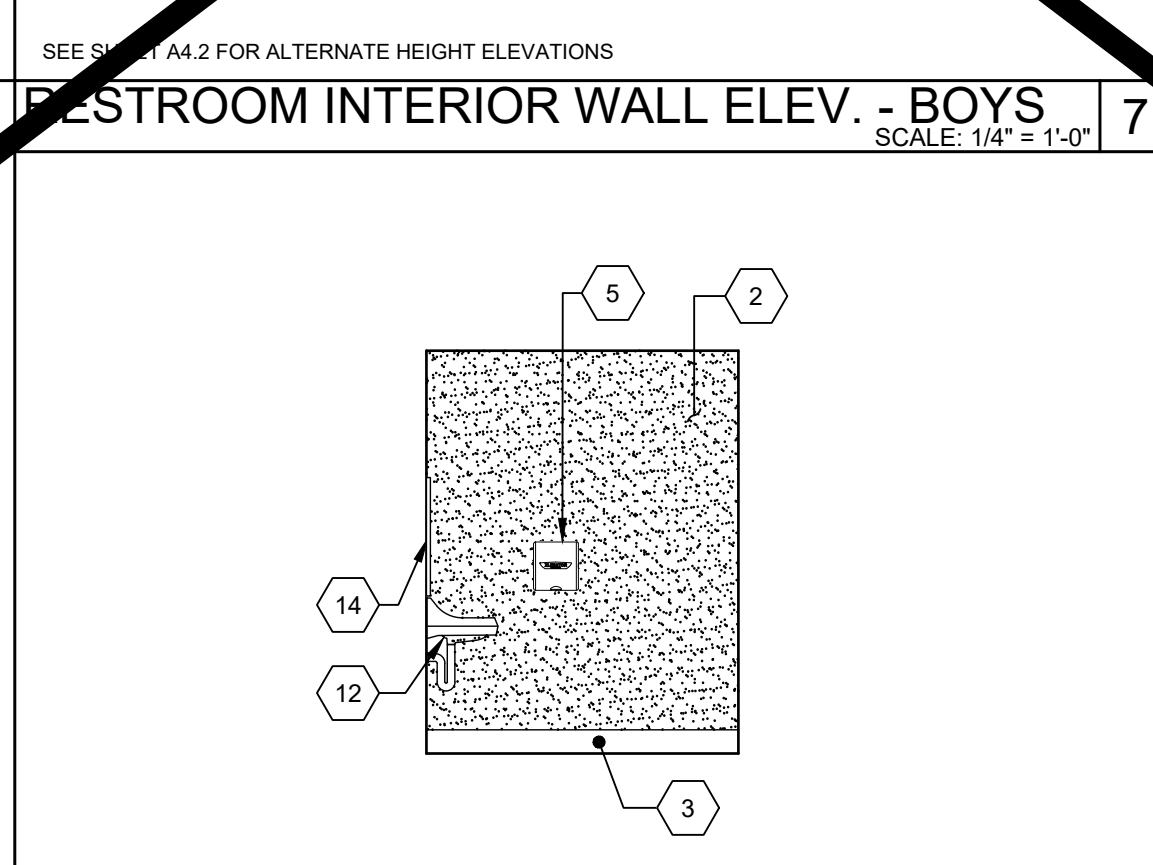
RESTROOM INTERIOR WALL ELEV. - STAFF

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



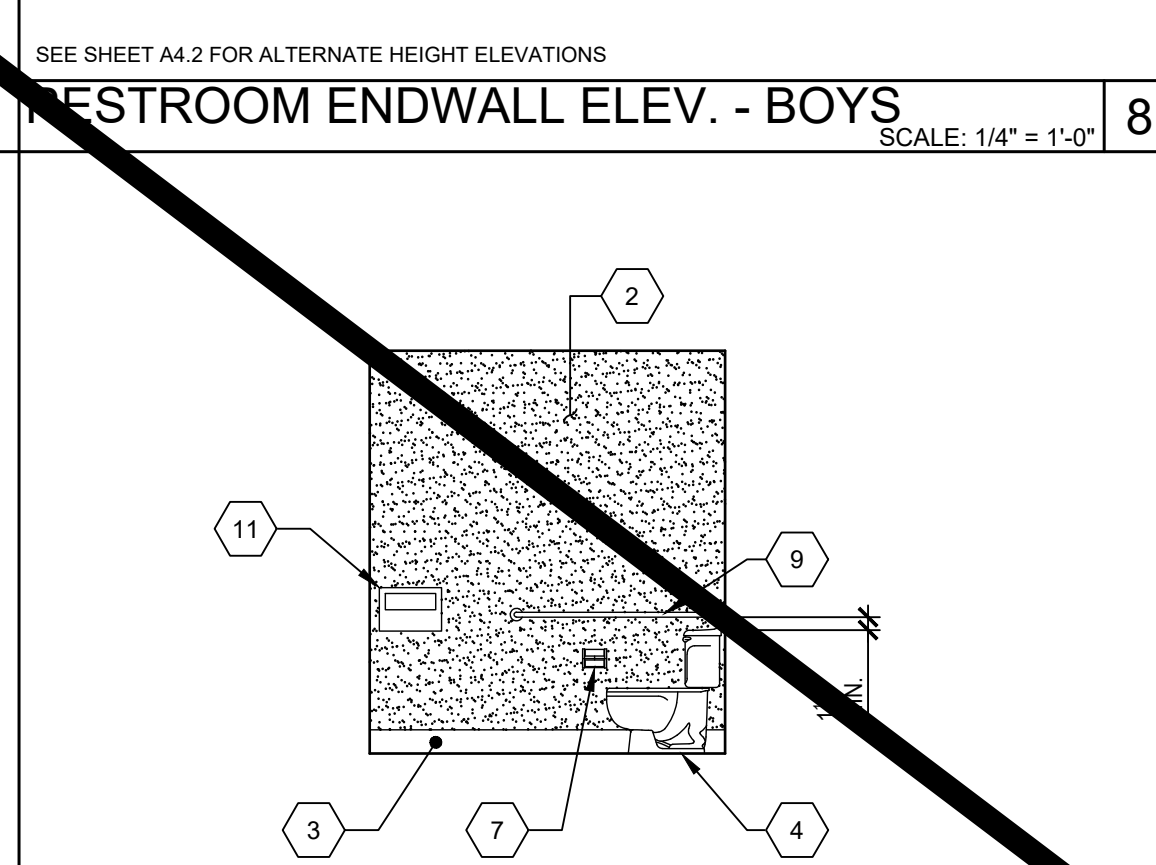
SINGLE TOILET ELEVATION - UNISEX

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



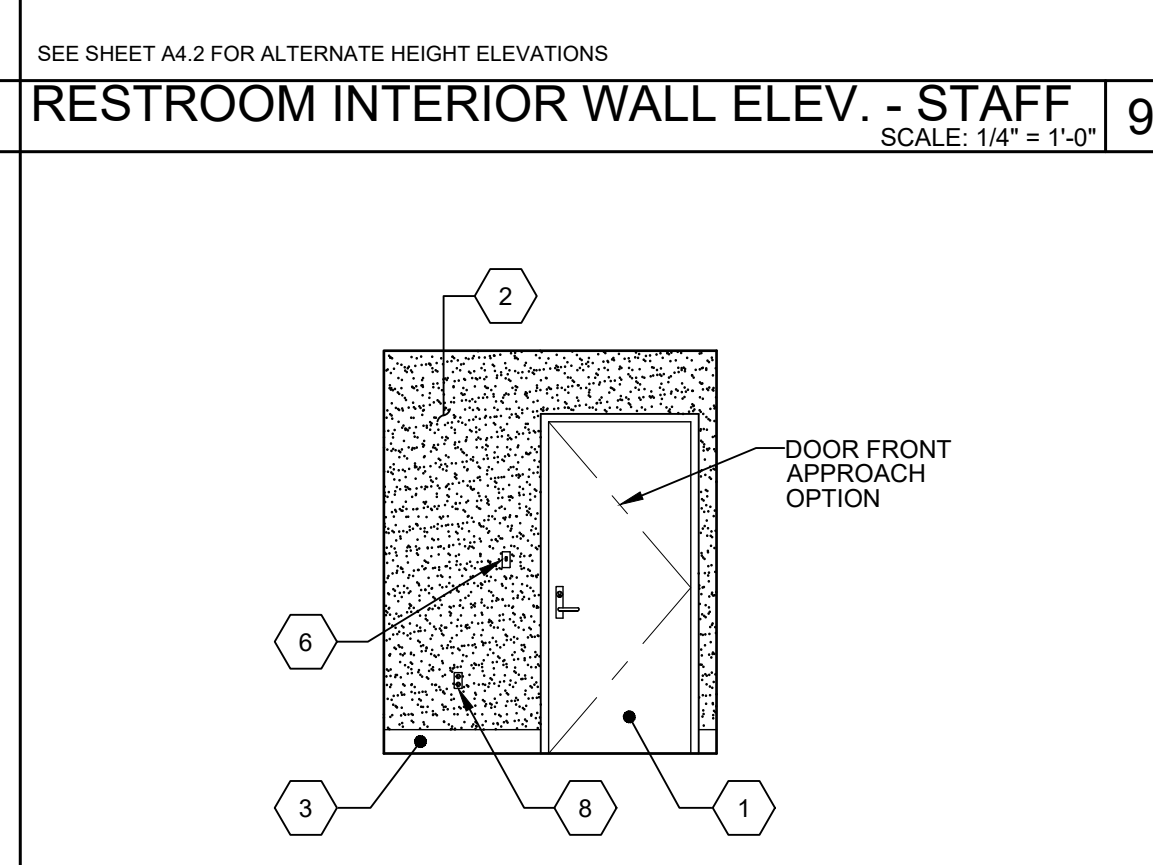
SINGLE TOILET ELEVATION - UNISEX

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



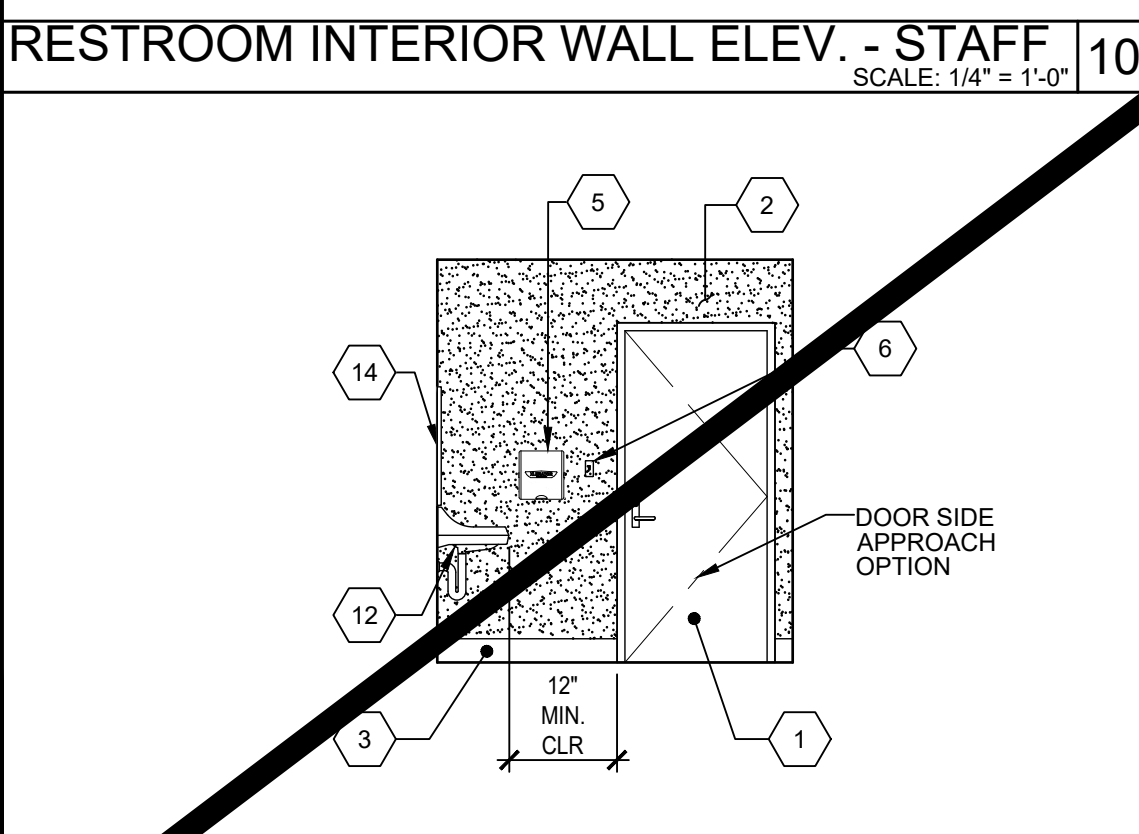
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SCALE: 1/4" = 1'-0"



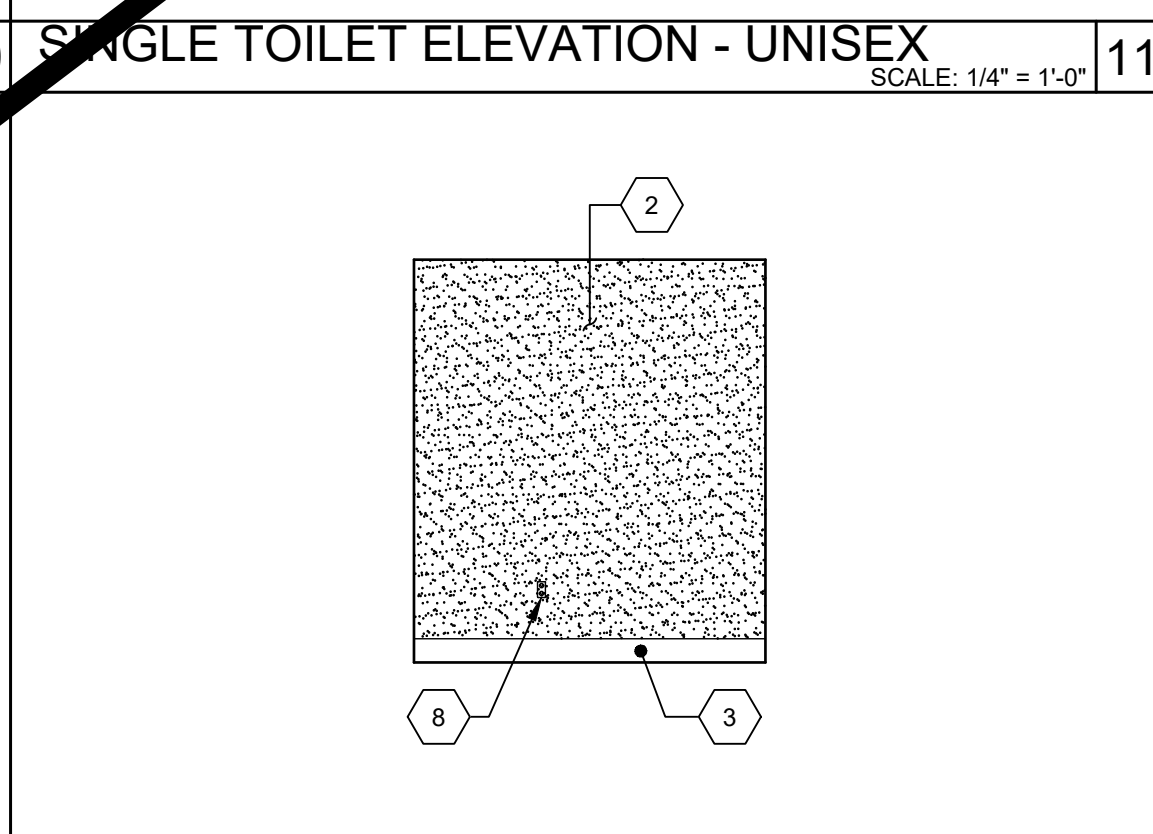
SINGLE TOILET ELEVATION - UNISEX

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



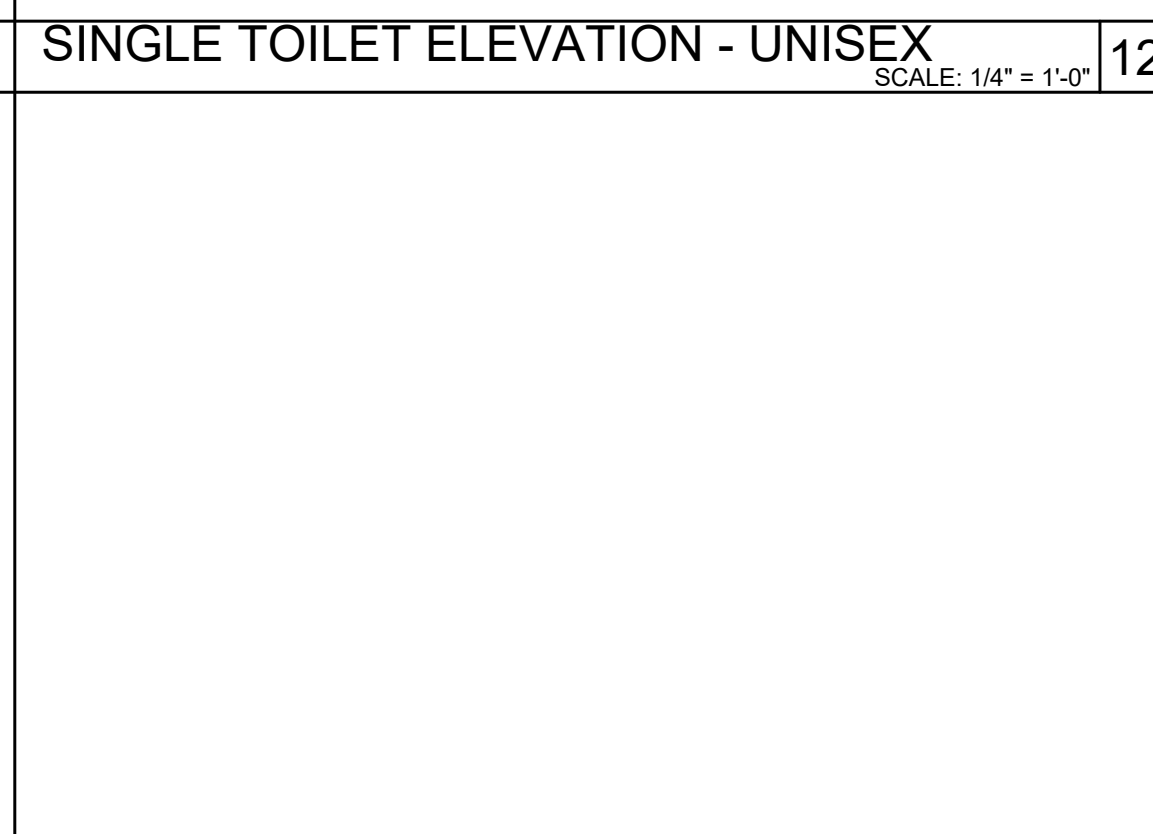
SINGLE TOILET ELEVATION - UNISEX

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

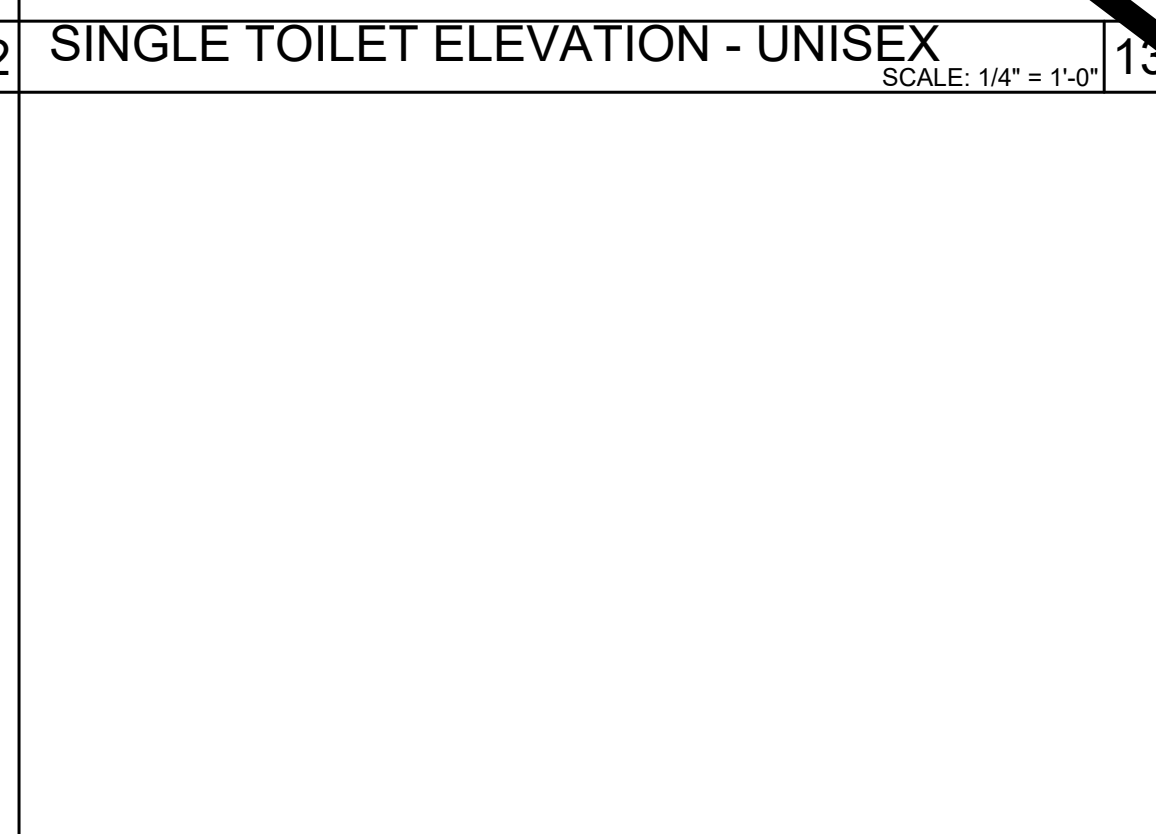


SINGLE TOILET ELEVATION - UNISEX

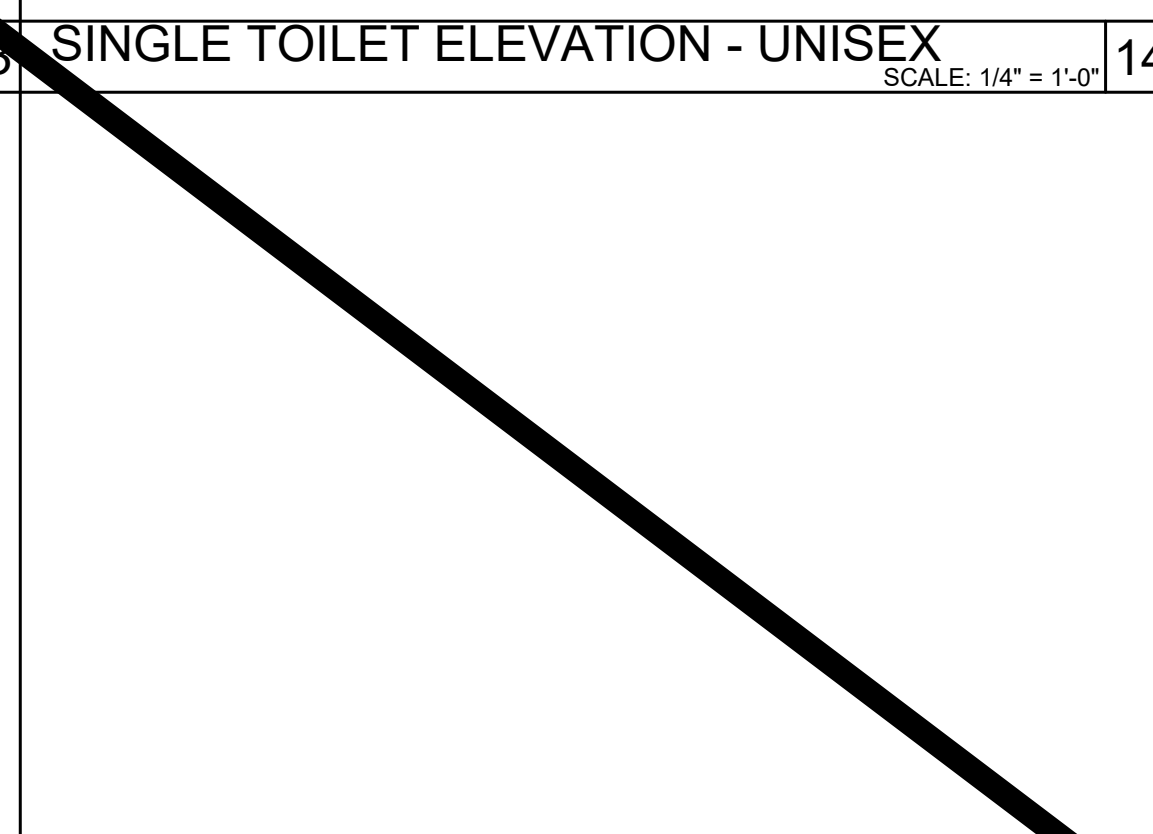
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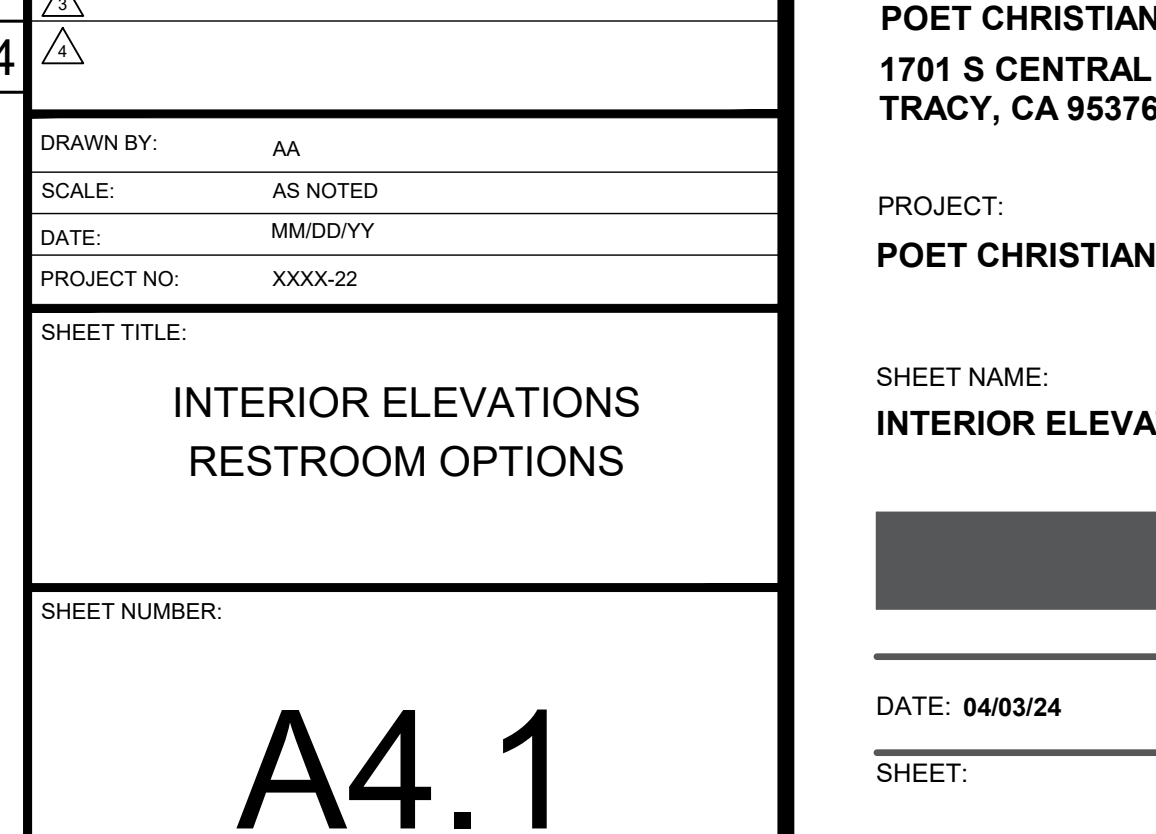
NOT USED



NOT USED



NOT USED



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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)
FORM

SITE SPECIFIC PROJECT NAME

GENERAL NOTES

APPROVED DIV. OF THE STATE ARCHITECT APP: 04-122050 PC REVIEWED FOR SS <input checked="" type="checkbox"/> FLS <input checked="" type="checkbox"/> ACS <input checked="" type="checkbox"/> CG <input checked="" type="checkbox"/> DATE: 12/11/2023

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REVISIONS

DRAWN BY: AA
SCALE: AS NOTED
DATE: MMDDYY
PROJECT NO: XXXX-22

SHEET TITLE
TYPICAL EXTERIOR
ELEVATIONS -
LAP SIDING OPTION

SHEET NUMBER

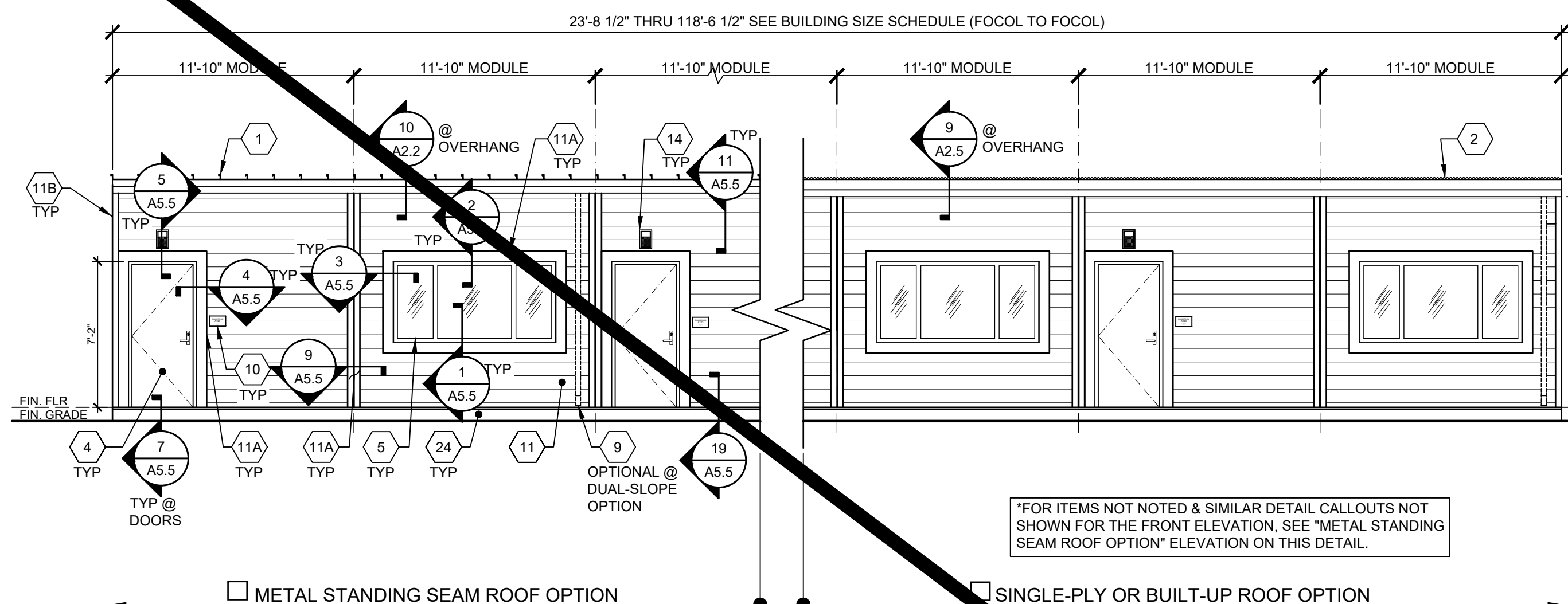
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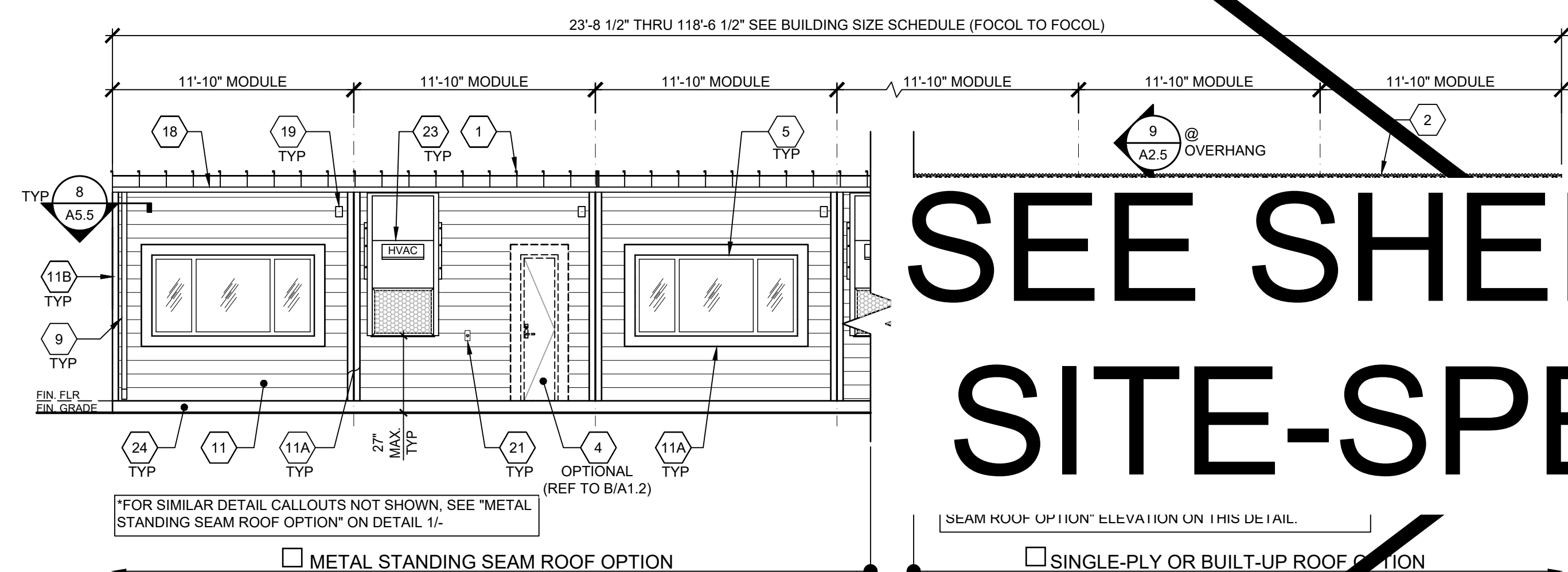
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A5.4

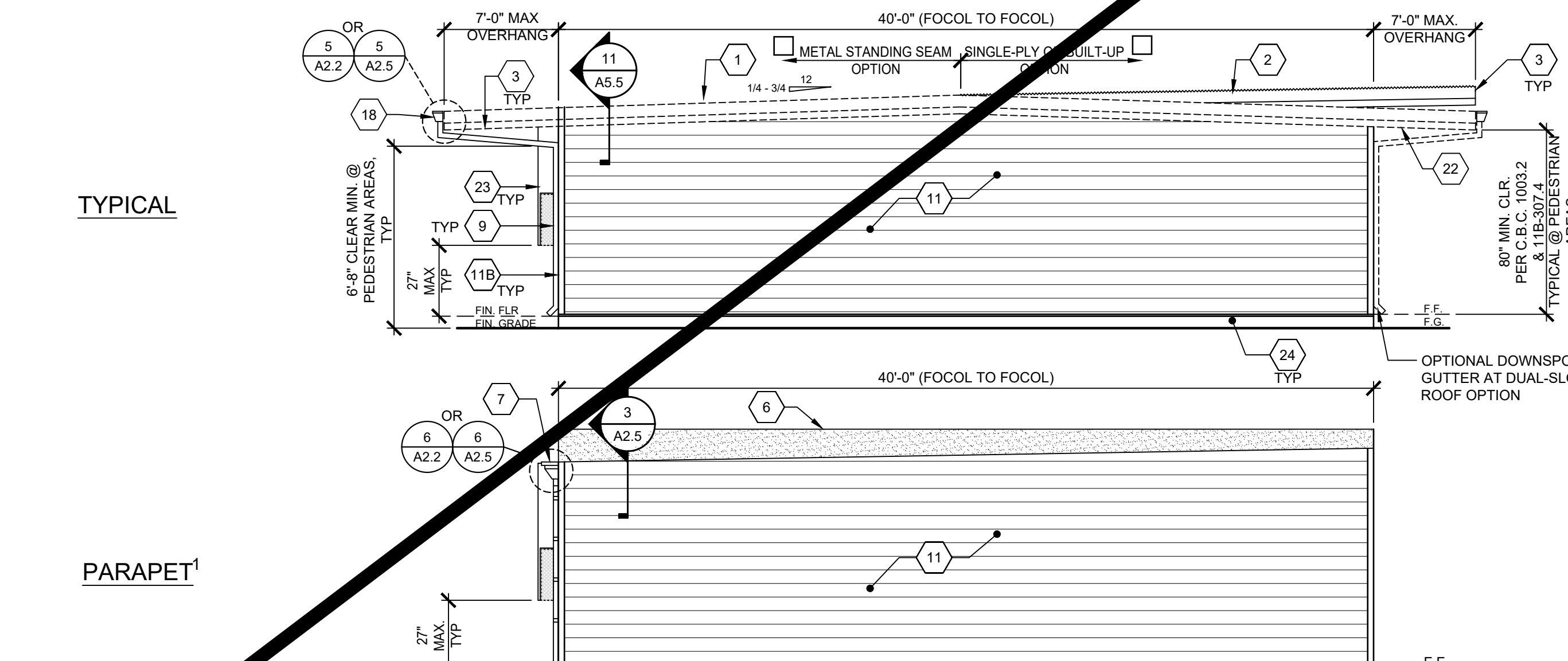
ADDENDUM "A"



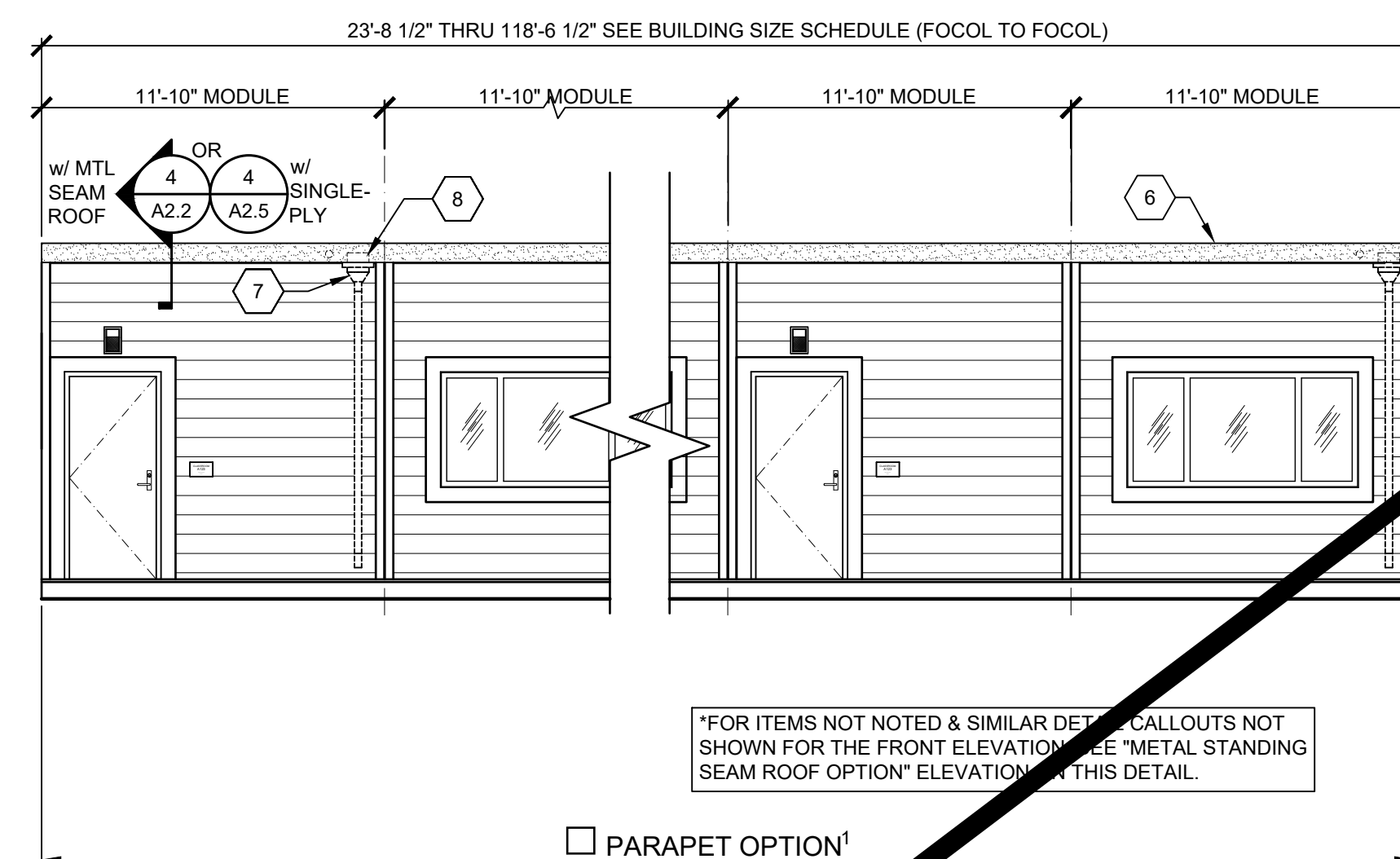
EXTERIOR ELEVATION - FRONT



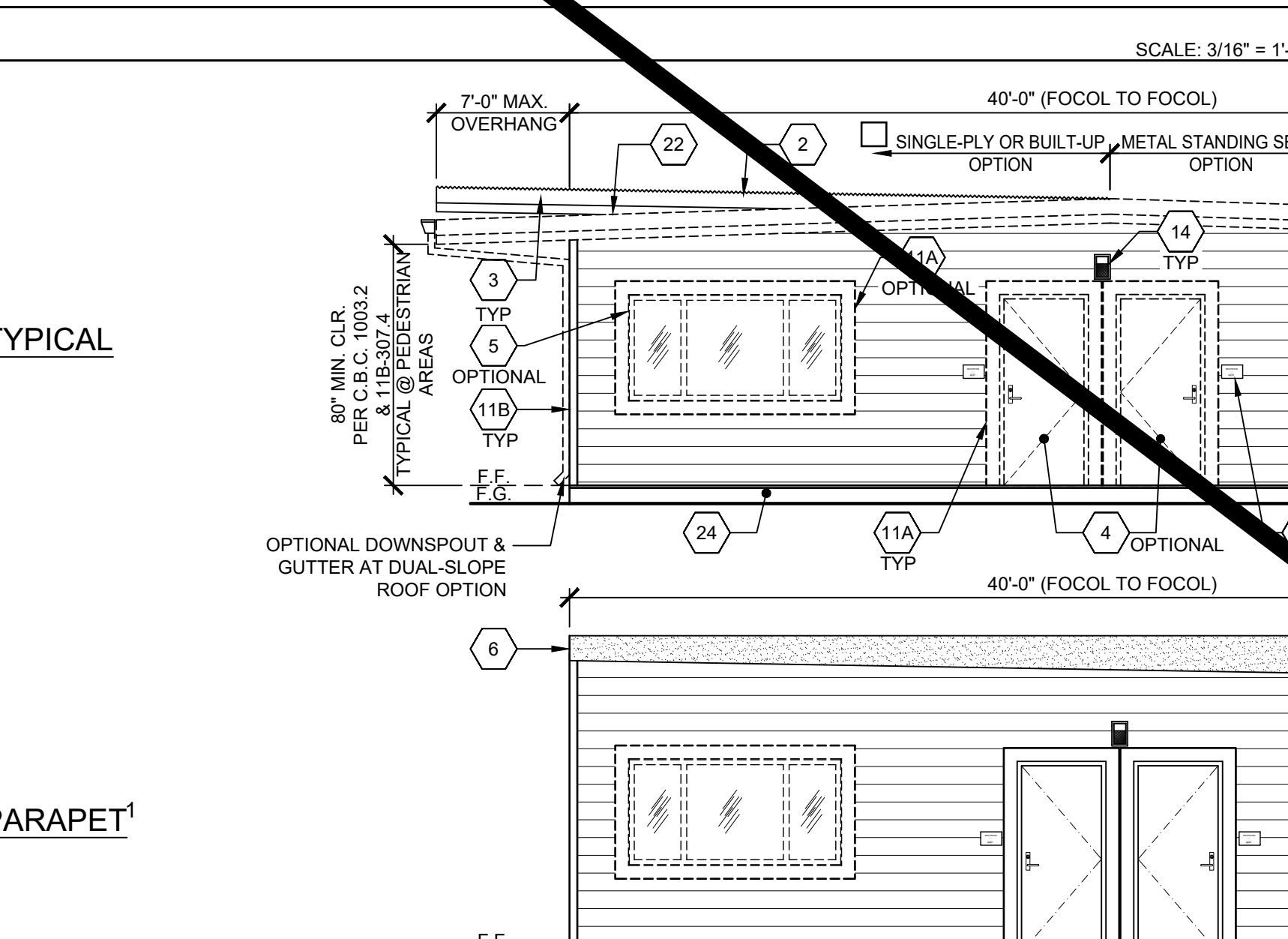
EXTERIOR ELEVATION - REAR



EXTERIOR ELEVATION - LEFT



EXTERIOR ELEVATION - RIGHT



EXTERIOR ELEVATION - RIGHT

1. STANDING SEAM METAL ROOFING
2. SINGLE-PLY ROOFING
3. OVERHANG - SEE STRUCTURAL
4. TYP EXTERIOR DOOR - SEE SCHEDULE SHEET N3.0
5. WINDOW - SEE SCHEDULE SHEET N3.0
6. OPTIONAL PARAPET - SEE SHEET S4.3
7. SCUPPER @ PARAPET OPTION - SEE DETAIL 6/A2.5
8. 4"x4" MIN. SCUPPER BOX @ PARAPET OPTION - SEE DETAIL 6/A2.5
9. DOWNSPOUT - SEE DETAIL 8/A5.5 FOR ATTACHMENT
10. 1/2" MIN. ID AND ISA SIGNAGE (BY OTHER) - SEE DETAILS 5 & 9/IN4.0 - TYP
11. 5/16" HARDPLANK LAP SIDING
- 11A. 1x4 TRIM
- 11B. 22 GA. CORNER FLASHING
12. NOT USED
13. NOT USED
14. EXTERIOR LIGHT - SEE ELECTRICAL
15. NOT USED
16. NOT USED
17. NOT USED
18. GUTTER - SEE ATTACHMENT DETAIL 5/A2.2 AT STANDING SEAM ROOFING, OR 5/A2.5 AT SINGLE-PLY / BUILT-UP ROOFING
19. MODULAR IDENTIFICATION TAG +90" ABOVE A.F.F.
20. FIRE ALARM HORN(BY OTHERS)-REFER TO ELECTRICAL PLANS
21. WP/G F.C.I. @ HVAC UNITS - REFER TO ELECTRICAL PLANS
22. DUAL SLOPE OPTION
23. HVAC UNIT
24. SHEET METAL FLASHING PAINTED BODY COLOR

KEY NOTES

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'x40' MODULES	TOTAL # OF 12'x60' MODULES	OVERALL BUILDING WIDTH
<input type="checkbox"/> 24x40	2	0	23'-0"
<input type="checkbox"/> 36x40	3	1	35'-0"
<input type="checkbox"/> 48x40	4	2	47'-0"
<input type="checkbox"/> 60x40	5	3	59'-0"
<input type="checkbox"/> 72x40	6	4	71'-0"
<input type="checkbox"/> 84x40	7	5	82'-11"
<input type="checkbox"/> 96x40	8	6	94'-10"
<input type="checkbox"/> 108x40	9	7	106'-0"
<input type="checkbox"/> 120x40	10	8	118'-0"

- NOTES:
1. TOTAL BUILDING WIDTH INCLUDES 1/2" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.0, S1.1, S1.2 & S1.3.

BUILDING SIZE SCHEDULE

- NOTES:
1. METAL STANDING SEAM OR SINGLE-PLY/BUILT-UP MAY BE USED WITH PARAPET OPTION. *FOR ITEMS NOT NOTED, "SEE ABOVE"
 2. IF DISTANCE FROM WALKING SURFACE TO LOWEST PART OF HVAC IS MORE THAN 27", PROTECTIVE GUARDS SHALL BE INSTALLED (BY OWNER) AT PATH OF TRAVEL LOCATIONS.

- NOTES:
1. METAL STANDING SEAM OR SINGLE-PLY/BUILT-UP MAY BE USED WITH PARAPET OPTION. *FOR ITEMS NOT NOTED, "SEE ABOVE"
 2. IF DISTANCE FROM WALKING SURFACE TO LOWEST PART OF HVAC IS MORE THAN 27", PROTECTIVE GUARDS SHALL BE INSTALLED (BY OWNER) AT PATH OF TRAVEL LOCATIONS.

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PRE-CHECKED SET NAME:
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)
FORM

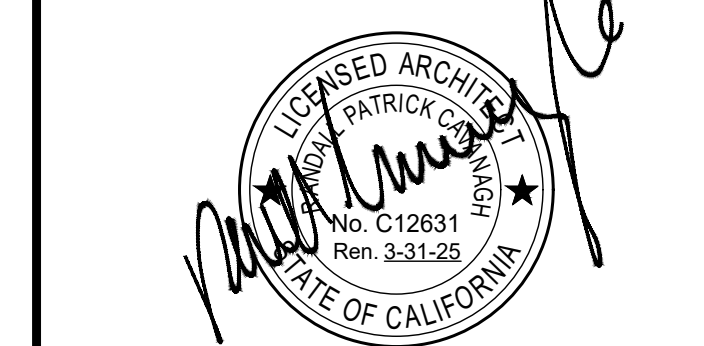
SITE SPECIFIC PROJECT NAME

GENERAL NOTES



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2	
3	

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YYYY
PROJECT NO: XXXX-22
SHEET TITLE:

TYP. ARCHITECTURAL DETAILS
- LAP SIDING OPTION

SHEET NUMBER:

A5.5

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
TYP. ARCHITECTURAL DETAILS - LAP SIDING OPTION

DATE: 04/03/24

CLIENT PROJ NO: 3595001000

SHEET:

A5.5

ADDENDUM "A"

Autodesk Docs: 135850009000 TUSD TK CLASSROOMS 2025 R22.035900000-A-TUSD-BOHN-SITE-M

TYPICAL WINDOW SILL SCALE: 3" = 1'-0"	TYPICAL WINDOW HEADER SCALE: 3" = 1'-0"	TYPICAL WINDOW JAMB SCALE: 3" = 1'-0"	TYPICAL DOOR JAMB SCALE: 3" = 1'-0"	TYPICAL DOOR HEADER SCALE: 3" = 1'-0"
TYP. INTERIOR DOOR HEADER/JAMB SCALE: 3" = 1'-0"	TYPICAL THRESHOLD DETAIL SCALE: 3" = 1'-0"	TYP. BLDG CORNER & DOWNSPOUT ATTACHMENT DETAIL SCALE: 3" = 1'-0"	TYP. MODLINE CLOSURE DETAIL SCALE: 3" = 1'-0"	ISOMETRIC FLASHING DETAIL FOR BUILDINGS 2160 SQ. FT. OR LESS SCALE: 1 1/2" = 1'-0"
	NOT USED			
SIDING DETAIL @ ROOF BEAM SCALE: 3" = 1'-0"		ALTERNATE BUILDING CORNER DETAIL SCALE: 3" = 1'-0"	FLASHING DETAIL FOR BUILDINGS 2160 SQ. FT. OR LESS SCALE: 3" = 1'-0"	
1. FOR OPTIONAL METAL STUD FRAMING, SEE S9.0-S9.2. 2. ADDITIONAL R-5 RIGID INSULATION REQUIRED @ METAL STUD WALLS. REFER TO MINIMUM INSULATION SCHEDULES ON SHEET M1.7, & DETAIL 18". 3. FOR FINISH OPTIONS, SEE SHEET A7.0. 4. REFER TO SHEET A7.3 FOR ALL BUILDING INSULATION INSTALLATION NOT SHOWN OR NOTED ON DETAIL ON THIS SHEET. 5. FOR BUILDINGS 2160 SQ. FT. OR LESS & ALL BUILDINGS INSTALLED ON ABOVE GRADE FOUNDATIONS PER 1A/S1.4, FLASHING SHALL BE PROVIDED PER DETAILS 10 & 19". 6. FOR BUILDINGS LARGER THAN 2160 SQ. FT. INSTALLED ON BELOW GRADE FOUNDATIONS PER 1B/S1.4, FLASHING & DETERIORATION PROTECTION SHALL BE PROVIDED PER SHEET S5.5A, WHERE DETERIORATION PROTECTION IS NOT REQUIRED BY THE SHEET NOTES OF SHEET A5.5A, FLASHING SHALL BE PROVIDED BY DETAIL 10 & 19". 7. LAP SIDING SPECIFICATIONS - FACTORY PRIMED FIBER CEMENT BOARDS - 12" LENGTH X 4"-10-3/4" PLANKS, ASTM-D3359 & ASTM-E136 TESTED. INSTALLATION PER MANUFACTURER'S INSTRUCTIONS. PLANKS SHALL BE ATTACHED WITH 8D RING SHANK GALVANIZED NAILS TO EACH STUD (16" O.C.). 8. FLAME SPREAD OF 0 (ASTM E84) & SMOKE DEVELOPMENT OF LESS THAN 5 PER ASTM E84	NOT USED			
SHEET NOTES	NOT USED	RIGID INSULATION @ METAL STUDS SCALE: 3" = 1'-0"		

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KEYNOTES

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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)
FORM

SITE SPECIFIC PROJECT NAME
.
.
.

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122050 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 12/11/2023

2023 CBC PRE-CHECK (PG) DOCUMENT
(A SEPARATE PRE-CHECK AND SIGNATURE DOCUMENT IS REQUIRED)
MANUFACTURER PROFESSIONAL OF RECORD ON PC

PROCESSED ARCHITECT
PATRICK C. MOSELEY
No. C12631
Exp. 3-31-26
STATE OF CALIFORNIA

REVISIONS	
△	
△	
△	
△	

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YYYY
PROJECT NO: XXXX-22

SHEET TITLE:
TYPICAL LONGITUDINAL
AND TRANSVERSE
FRAME SECTIONS

SHEET NUMBER:

A7.3

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
TYPICAL LONGITUDINAL AND TRANSVERSE FRAME
SECTIONS

DATE: 04/03/24
CLIENT PROJ NO: 3595001000

SHEET:

A7.3
ADDENDUM "A"

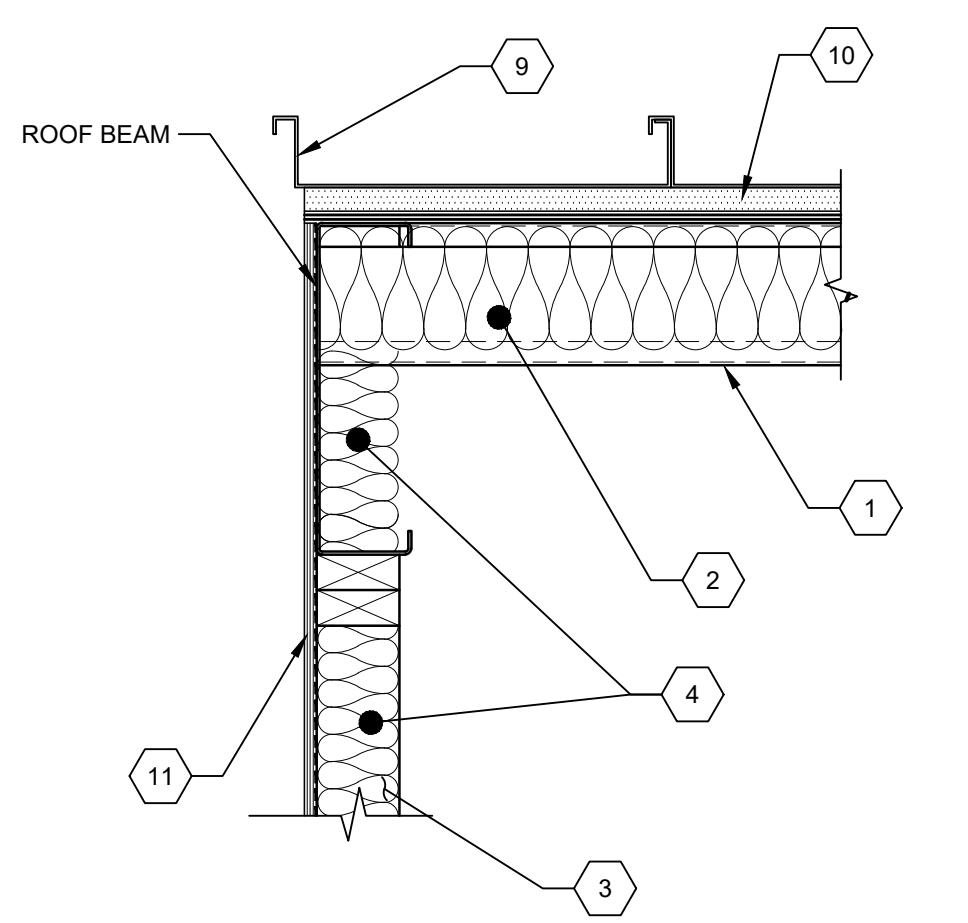
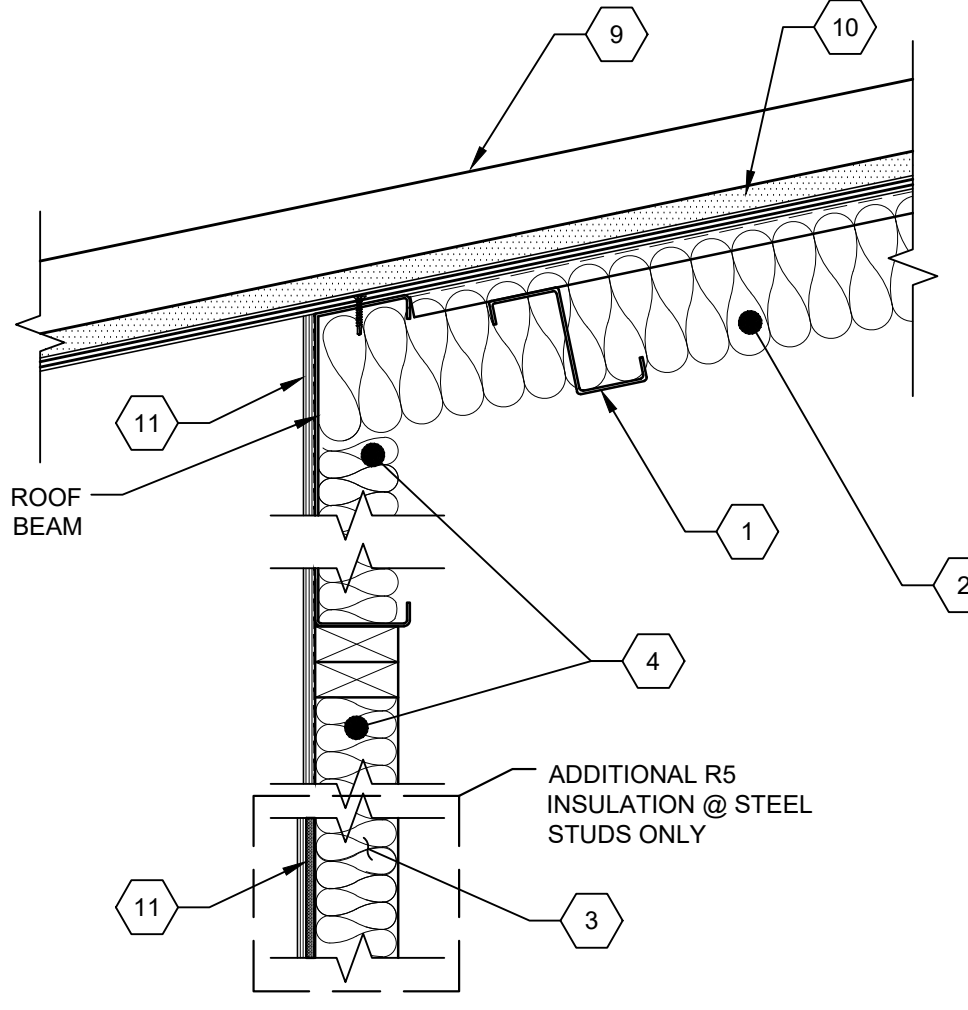
- 1 ROOF PURLINS PER ROOF FRAMING PLAN
- 1A FLOOR JOISTS PER FLOOR FRAMING PLAN
- 2 BATT ROOF INSULATION PER INSULATION SCHEDULE ON SHEET M1.7
- 3 WALL FRAMING PER SHEETS S8.0 OR S9.0
- 4 WALL INSULATION PER INSULATION SCHEDULE ON SHEET M1.7
- 5 VINYL FABRIC OVER TACKABLE BRACING PANELS
- 6 FLOOR INSULATION PER INSULATION SCHEDULE ON SHEET M1.7
- 7 PLYWOOD FLOOR PER SHEET S3.0 OR CONCRETE FLOOR PER SHEETS S3.1 - S3.3
- 8 SUSPENDED T-BAR CEILING PER M1.0
- 9 FINISHED ROOFING PER ROOF PLAN & ROOF FRAMING PLAN
- 10 RIGID ROOF INSULATION PER INSULATION SCHEDULES ON SHEET M1.7 OVER ROOF SHEATHING (S4.1)
OR STEEL CROSS BRACING WITHOUT RIGID ROOF INSULATION (S4.0)
- 11 EXTERIOR WALL FINISH PER EXTERIOR ELEVATIONS
PROVIDE R-5 RIGID INSULATION AT METAL STUD WALLS
- 12 FIRE BLOCKING @ CEILING LEVEL PER CBC 718.2
- 13 RIGID INSULATION @ CONCRETE FLOORS - REFER TO INSULATION SCHEDULES IN SHEET M1.7

KEY NOTES

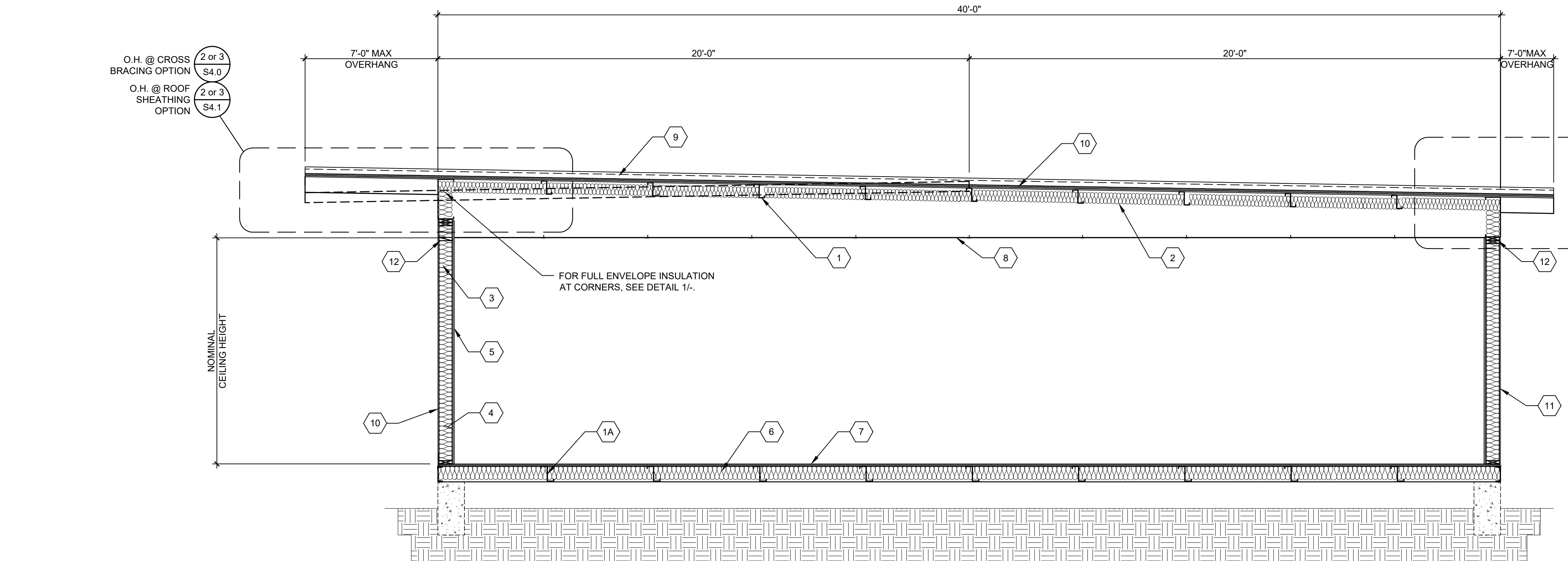
BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'x40' WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL BUILDING WIDTH
<input type="checkbox"/> 24'x40'	2	0	23'-6 1/2"
<input checked="" type="checkbox"/> 36'x40'	3	1	35'-6 3/4"
<input type="checkbox"/> 48'x40'	4	2	47'-5"
<input type="checkbox"/> 60'x40'	5	3	59'-3 1/2"
<input type="checkbox"/> 72'x40'	6	4	71'-1 1/2"
<input type="checkbox"/> 84'x40'	7	5	82'-11 1/4"
<input type="checkbox"/> 96'x40'	8	6	94'-10"
<input type="checkbox"/> 108'x40'	9	7	106'-8 1/4"
<input type="checkbox"/> 120'x40'	10	8	118'-6 1/2"

NOTES:
1. TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.0, S1.1, S1.2 & S1.3

BUILDING SIZE SCHEDULE

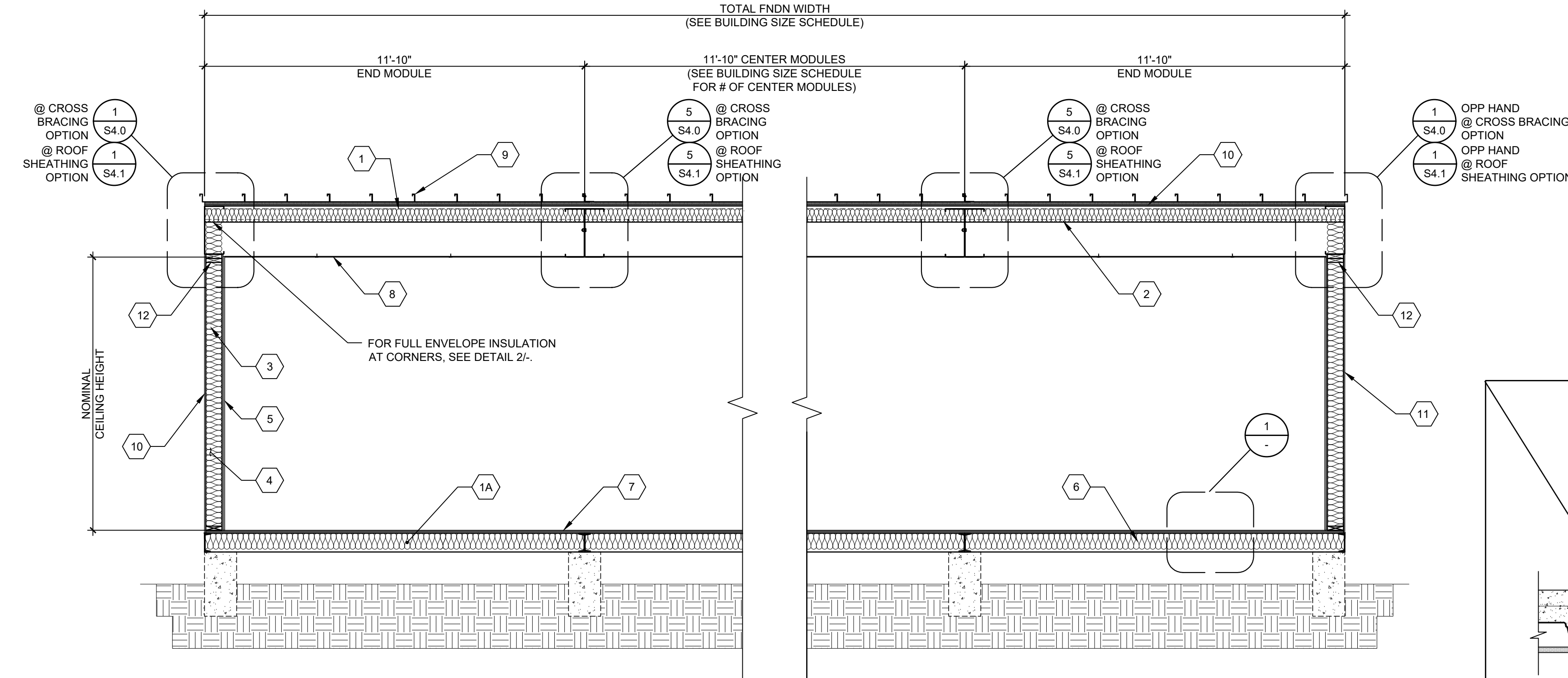


1 INSULATION CORNER DET. SCALE: 1-1/2"=1'-0"



TYP. LONGITUDINAL SECTION - MONO/DUAL PITCH

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



TYP. TRANSVERSE SECTION - MONO/DUAL PITCH

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

SCALE: NTS

SCALE: 1-1/2"=1'-0"



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SACRAMENTO, CA 95816
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ISSUE

DESCRIPTION	DATE
ADDENDUM "A"	3/20/25

KEYNOTES

GENERAL NOTES



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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)



SITE SPECIFIC PROJECT NAME

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122058 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 12/11/2023

2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE DRAWING AREA CANNOT BE CONSIDERED AS BEING IN THE
MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENCED ARCHITECT
NO. 12631
RE. 3-31-25
STATE OF CALIFORNIA

LICENCED PROFESSIONAL
NO. 53380
RE. 11-22-24
STATE OF CALIFORNIA

11/21/2023
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION.
UNLESS SHOWN & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

DRAWN BY: AA
SCALE: AS NOTED
DATE: MMDDYY
PROJECT NO: XXXX-22

SHEET TITLE
CONCRETE FOUNDATION PLAN
(50 PSF LIVE LOAD + 15 PSF
FLOOR PARTITION LOAD)

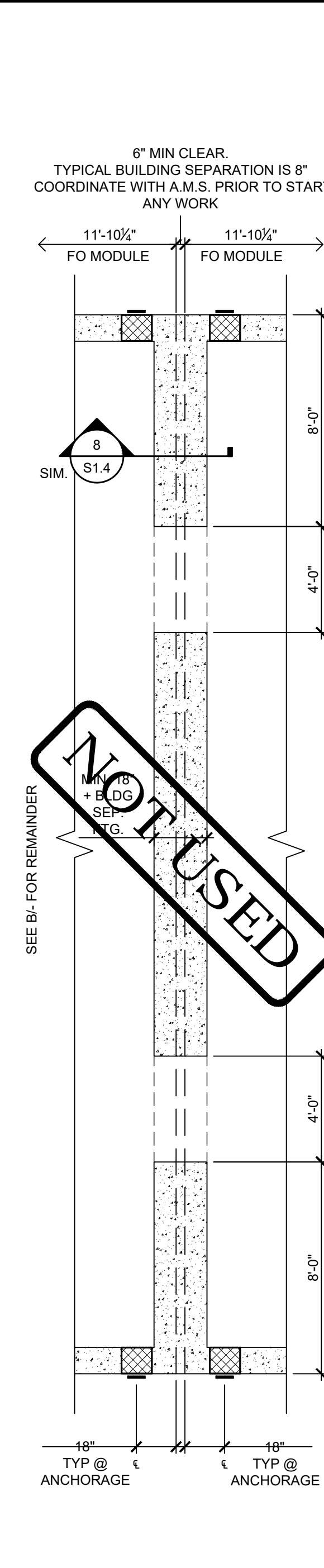
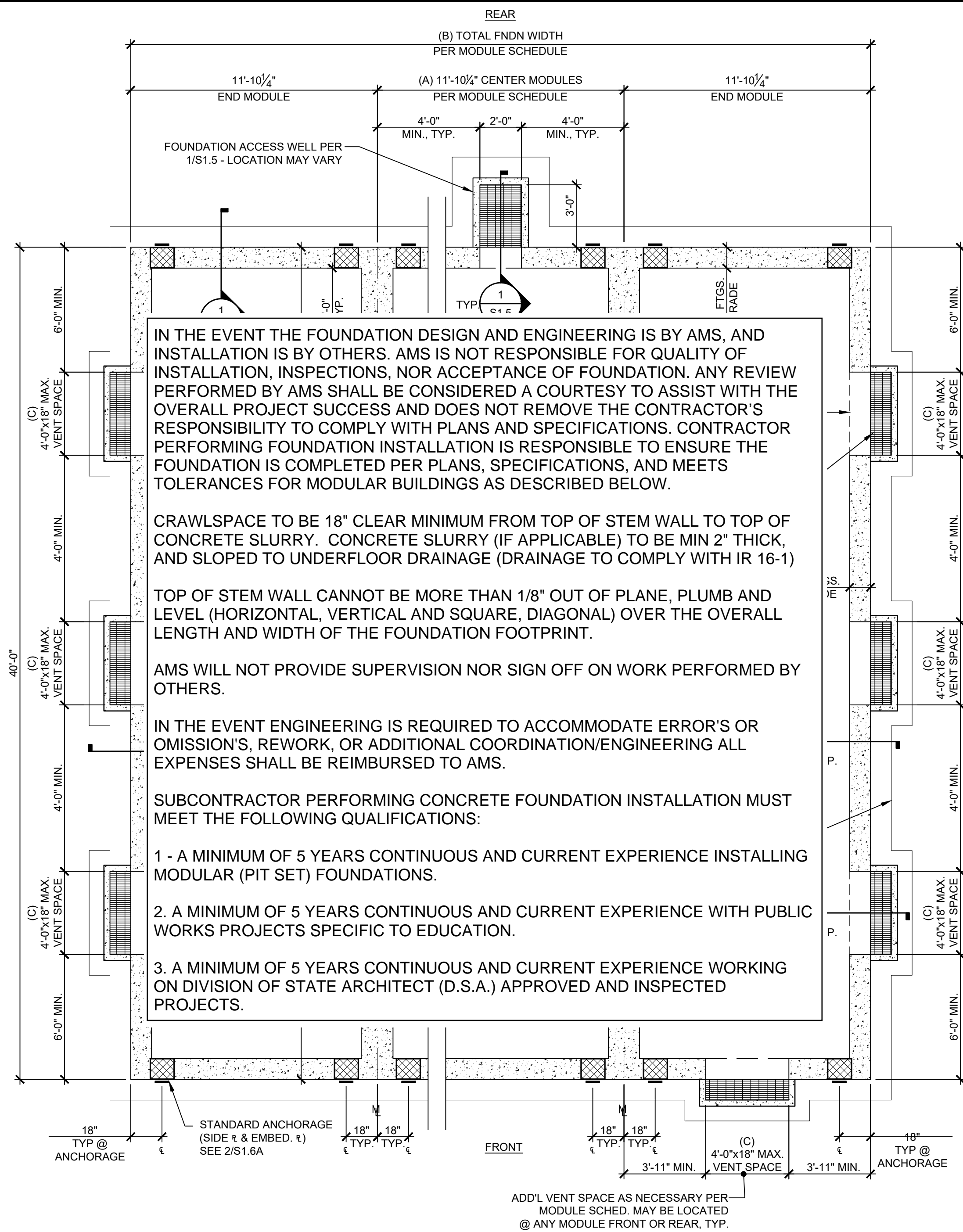
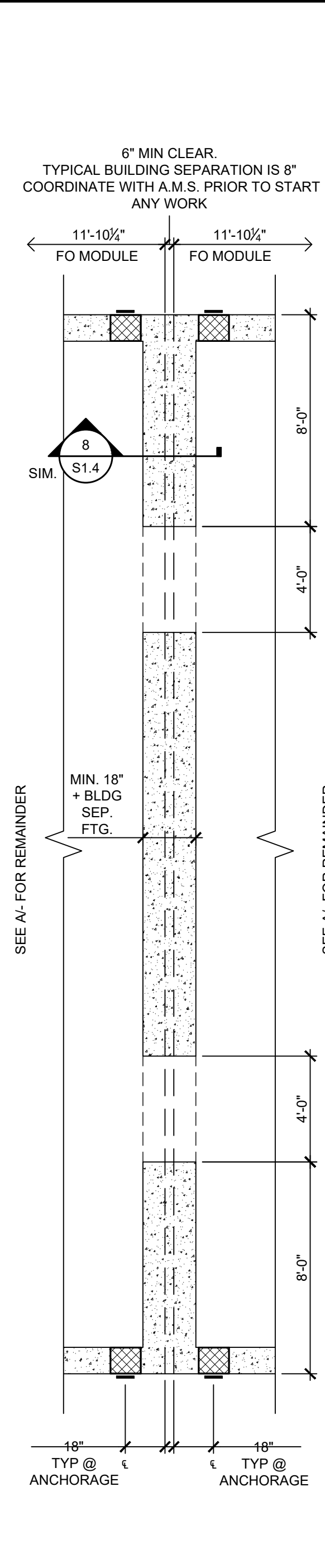
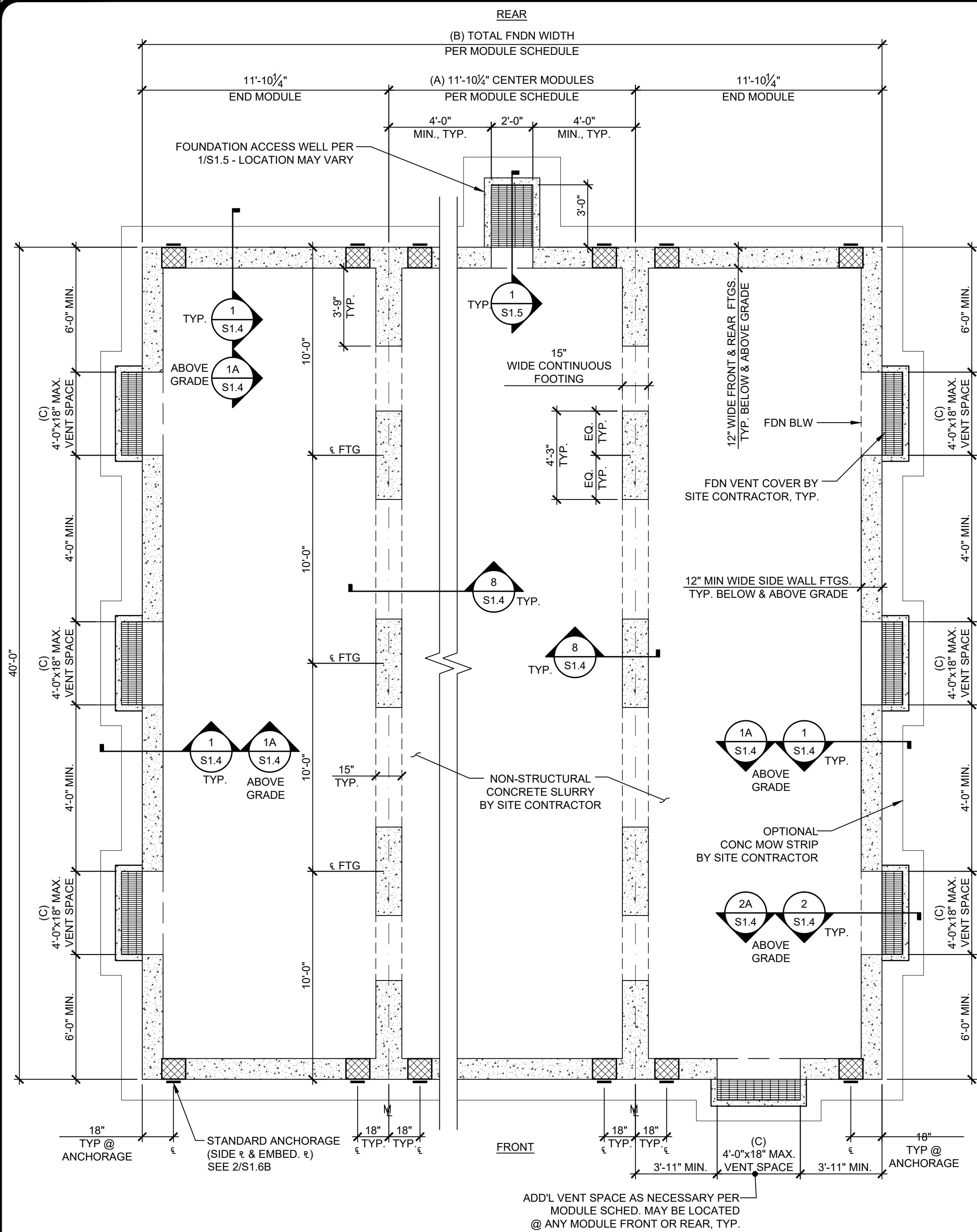
SHEET NUMBER

DATE: 04/03/24
CLIENT PROJ NO: 3595001000

SHEET:

S1.1

PLEASE RECYCLE



CONCRETE FOUNDATION PLAN (PLYWOOD FLOOR)
50 PSF LIVE LOAD + 15 PSF PARTITION LOAD

FOUNDATION PLAN
COMBINED

CONCRETE FOUNDATION PLAN (CONCRETE FLOOR)
50 PSF LIVE LOAD + 15 PSF PARTITION LOAD

FOUNDATION PLAN
COMBINED

- CONCRETE MIXTURES:
A. ULTIMATE 28-DAY CONCRETE COMPRESSIVE STRENGTH (f'_c) SHALL BE PER SHEET N1.0A.
B. PROPORTIONING OF CONCRETE MIXTURES SHALL BE IN ACCORDANCE WITH ACI 318-19, SECTION 26.4.3.
C. DOCUMENTATION OF CONCRETE MIXTURE CHARACTERISTICS SHALL BE IN ACCORDANCE WITH ACI 318-19, SECTION 26.4.4.
D. CEMENT SHALL BE CERTIFIED PER TITLE 24, PART 2, SECTION 1910A.1.
E. SEE SHEET N1.0 FOR ADDITIONAL CONCRETE NOTES.
- BUILDINGS MAY BE SET ON CONCRETE FOUNDATIONS THAT HAVE REACHED A MINIMUM CONCRETE COMPRESSIVE STRENGTH OF 2,500 PSI. PRIOR TO THE SETTING OF THE MODULAR BUILDING ON CONCRETE FOUNDATIONS THAT HAVE NOT YET CURED 28 DAYS POST PLACEMENT OF FOUNDATION CONCRETE, THE FOUNDATION CONTRACTOR SHALL:
A. HAVE THE PROJECT TESTING LAB PERFORM CONCRETE CYLINDER COMPRESSION TESTS OF THE FOUNDATION CONCRETE USED AT THE SITE.
B. FURNISH THE PROJECT IOR AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WITH THE CONCRETE TEST REPORTS VERIFYING THAT THE FOUNDATION CONCRETE HAS REACHED THE MINIMUM STRENGTH AS SPECIFIED ABOVE, AND
C. NOTIFY THE PROJECT IOR AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OF THEIR INTENT TO SET THE MODULAR BUILDING PRIOR TO 28 DAYS POST PLACEMENT OF FOUNDATION CONCRETE.
- REINFORCING STEEL SHALL BE 60,000 PSI MINIMUM, PER ASTM A615. THE REINFORCING BARS SHALL BE TESTED PER TITLE 24, PART 2, SECTION 1910A.2. TEST OF REINFORCING BARS MAY BE WAIVED PROVIDED CERTIFIED MILL TEST REPORTS ARE PROVIDED FOR EACH SHIPMENT OF SUCH REINFORCEMENT.
- DESIGN SOIL BEARING CAPACITY: 1500 PSF.
(1/3 INCREASE IN SOIL BEARING CAPACITY NOT PERMITTED FOR WIND & SEISMIC LOAD COMBINATIONS UNLESS USING ALTERNATIVE BASIC LOAD COMBINATIONS PER CBC SECTION 1605A.3.2)
- THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE SHALL VERIFY THE NET AREA OF THE UNDER-FLOOR VENTING IS EQUAL TO OR LARGER THAN THE VENT AREA REQUIRED (AS SHOWN ON THE ADJACENT TABLE).

NOMINAL BLDG SIZE (FT)	TOTAL # OF 12' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL FNDN WIDTH	TOTAL NOMINAL FLOOR AREA (FT ²)	NET FREE VENT AREA REQ'D ¹ (FT ²)	IF 4"x12" VENTS ARE USED SOLELY "C" MIN. TOTAL VENTS REQ'D ²	IF 4"x18" VENTS ARE USED SOLELY "C" MIN. TOTAL VENTS REQ'D ²	NET FREE VENT AREA PROVIDED ³ (FT ²)	NET FREE VENT AREA PROVIDED ³ (FT ²)
<input type="checkbox"/> 24'x40'	2	0	23'-8 1/2"	960	6.4	3	8.7	2	8.8
<input checked="" type="checkbox"/> 36'x40'	3	1	35'-6 1/2"	1440	9.6	4	11.6	3	13.1
<input type="checkbox"/> 48'x40'	4	2	47'-5"	1920	12.8	5	14.6	4	17.5
<input type="checkbox"/> 60'x40'	5	3	59'-3 1/2"	2400	16.0	6	17.5	4	17.5
<input type="checkbox"/> 72'x40'	6	4	71'-1 1/2"	2880	19.2	7	20.4	5	21.9
<input type="checkbox"/> 84'x40'	7	5	82'-11 1/2"	3360	22.4	8	23.3	6	26.3
<input type="checkbox"/> 96'x40'	8	6	94'-10"	3840	25.6	9	26.2	6	26.3
<input type="checkbox"/> 108'x40'	9	7	106'-8 1/2"	4320	28.8	10	29.2	7	30.7
<input type="checkbox"/> 120'x40'	10	8	118'-6 1/2"	4800	32.0	11	32.1	8	35.0

- NOTES:
- TOTAL FOUNDATION WIDTH INCLUDES 1/2" PER MODULE CONSTRUCTION TOLERANCE.
1. UNLESS NOTED OTHERWISE, DIMENSIONS ARE FROM FACE OF CONCRETE TO FACE OF CONCRETE (FOC TO FOC)
2. THE NUMBER OF VENTS REQUIRED IS BASED ON THE VENT NET FREE AREA (NFA) PROVIDED BEING GREATER OR EQUAL TO THE VENT NFA REQUIRED. VENT NFA REQUIRED IS BASED ON A 1:150 VENTILATION RATIO OF THE NOMINAL BUILDING FLOOR AREA. VENT NFA PROVIDED IS THE ACTUAL OPEN AREA WITH A VENT GROSS AREA REDUCTION PERCENTAGE OF 73% & NUMBER OF VENTS PROVIDED.
- $NFA_{REQUIRED} = A_{FLOOR} / 150$ $NFA_{PROVIDED} > NFA_{REQUIRED}$ $A_{VENT,GROSS} \times 73\% \times (\# \text{ OF VENTS}) > NFA_{REQUIRED}$
4. REQUIRED VENTING MAY BE ACHIEVED BY A COMBINATION OF ACCESS VENT(S) AND VENTS OF DIFFERENT SIZES BASED ON THE VALUES LISTED BELOW.
- 4"x12" VENTS** $\times 0.73 \times (\# \text{ OF VENTS}) = 2.92 \text{ FT}^2 \times (\# \text{ OF VENTS})$ **4"x18" VENTS** $\times 0.73 \times (\# \text{ OF VENTS}) = 4.38 \text{ FT}^2 \times (\# \text{ OF VENTS})$
ACCESS VENTS $\cdot 2' \times 1.5' \times (\# \text{ OF VENTS}) = 3.00 \text{ FT}^2 \times (\# \text{ OF VENTS})$

NOTES

MODULE SCHEDULE AND VENTING

S1.1
ADDENDUM "A"

THE LINE SHOWN ABOVE IS
PROPERTY OF THE STATE ARCHITECT
12/2/2024 8:55:44 AM
Autodesk Docs: 13595001000 TUSD TK CLASSROOMS 2025 R22.359500000-A-TUSD-BOHN-SITE-M



HMC Architects

3595001000

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SACRAMENTO, CA 95816
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ISSUE

DESCRIPTION	DATE
ADDENDUM "A"	3/20/25

KEYNOTES

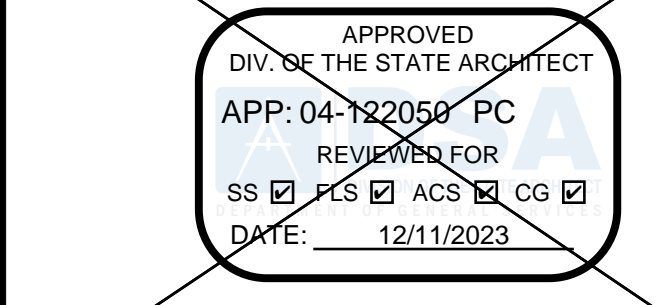
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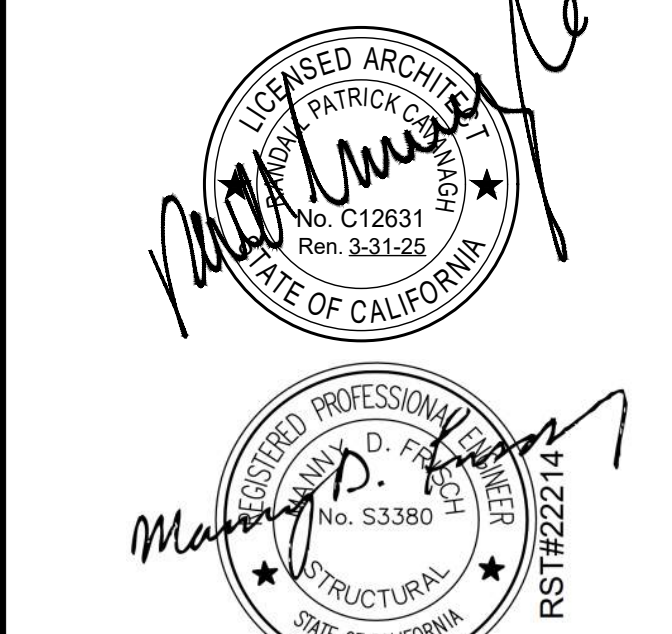
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24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)
FORM

SITE SPECIFIC PROJECT NAME



2022 CBC PRE-CHECK (PCI) DOCUMENT
A SEPARATE ASSIGNED APPLICATION FOR DESIGN REVIEW IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC



11/21/2023
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REVISIONS

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

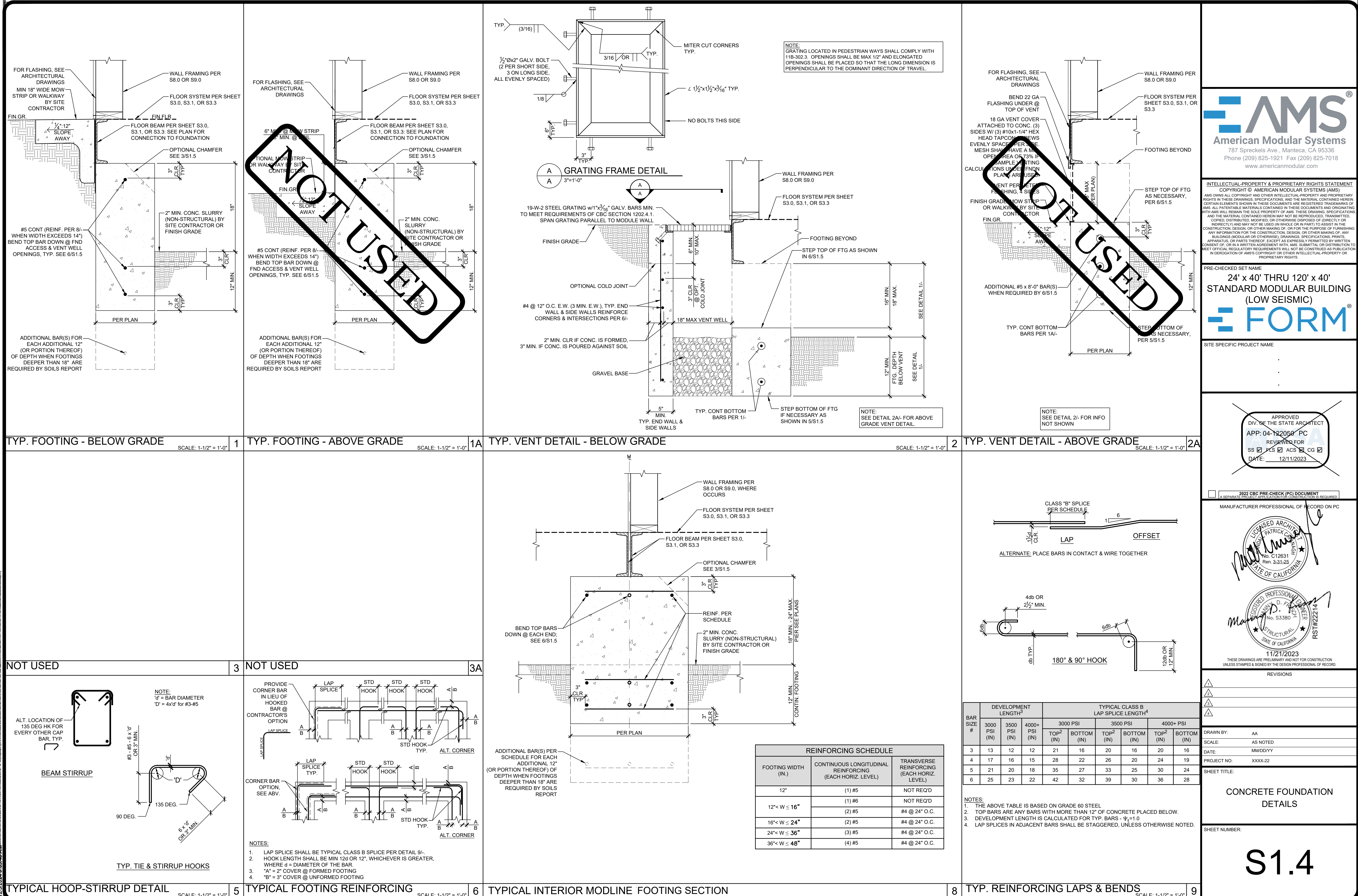
SHEET NAME:
CONCRETE FOUNDATION DETAILS

DATE: 04/03/24
CLIENT PROJ NO.: 3595001000

SHEET:

S1.4

ADDENDUM "A"



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3595001000

2101 CAPITOL AVENUE, SUITE 100
SACRAMENTO, CA 95816
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ISSUE

DESCRIPTION	DATE
ADDENDUM "A"	3/20/25

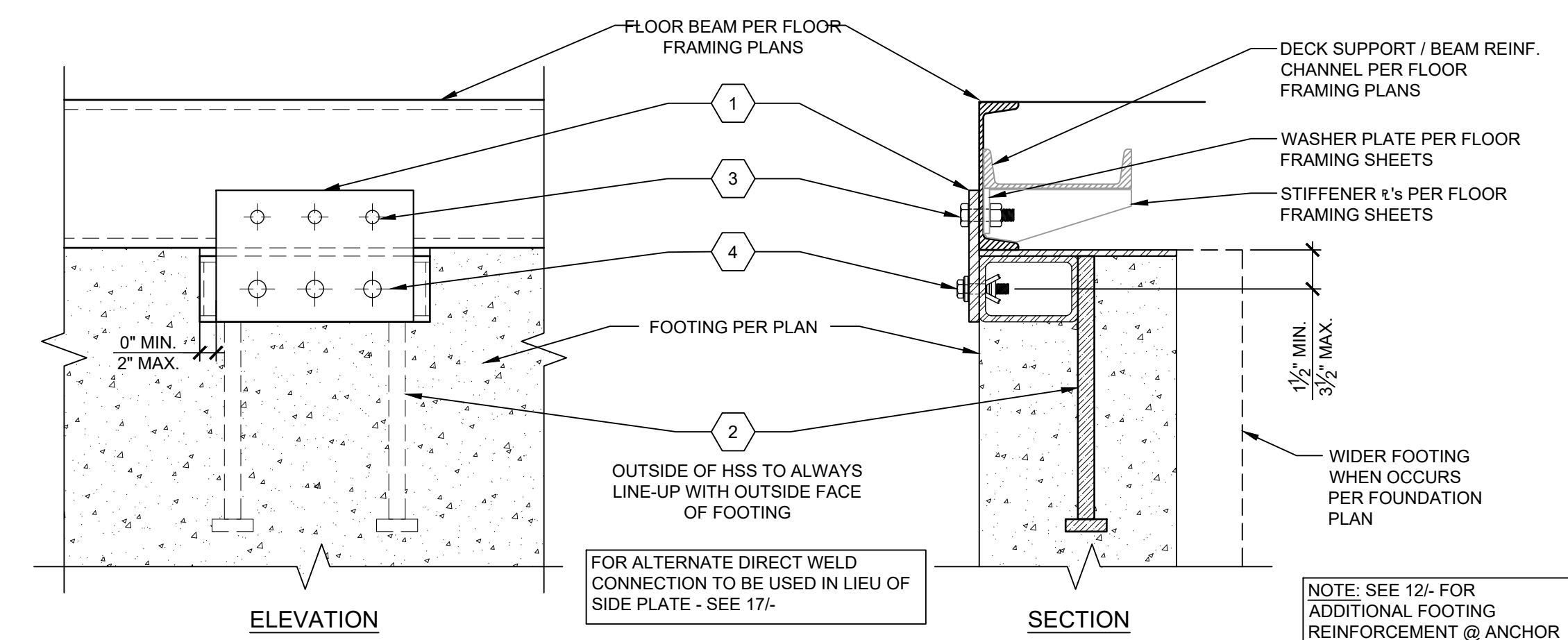


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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)

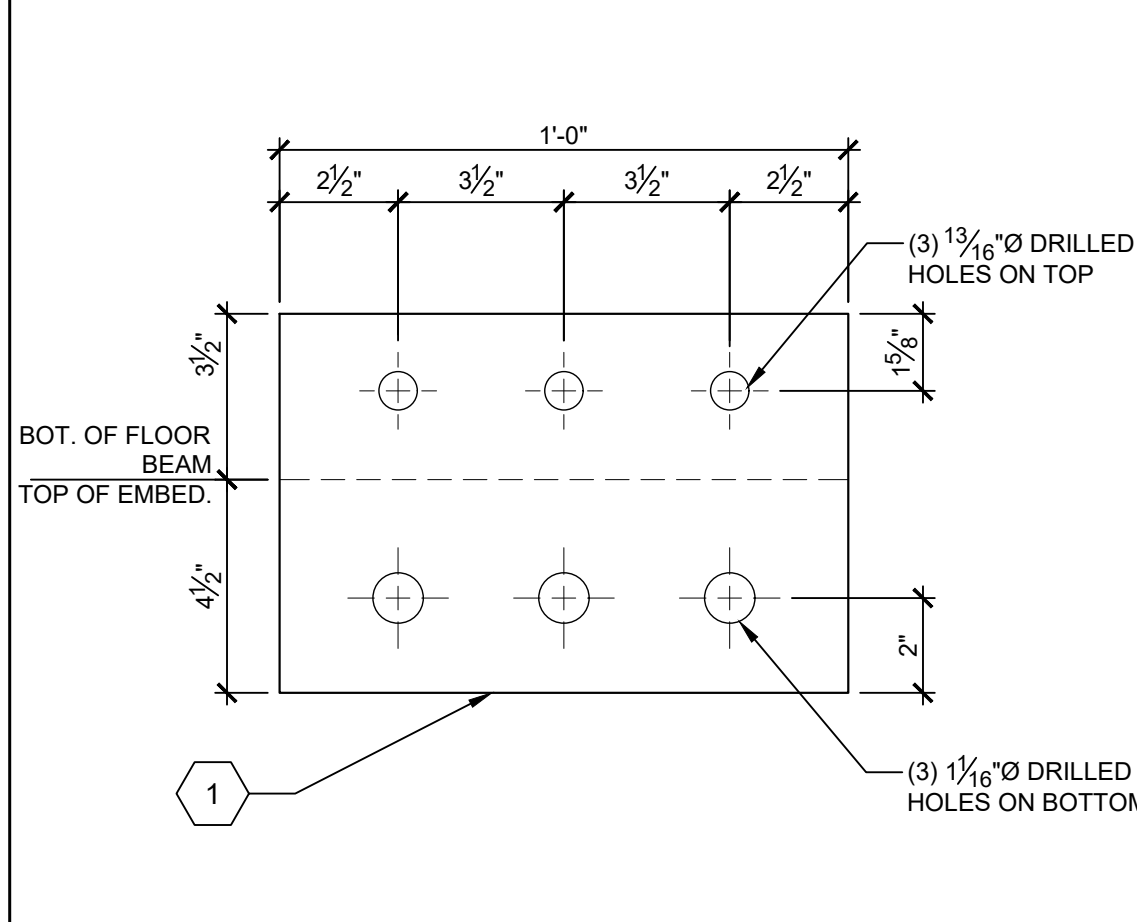


SITE SPECIFIC PROJECT NAME



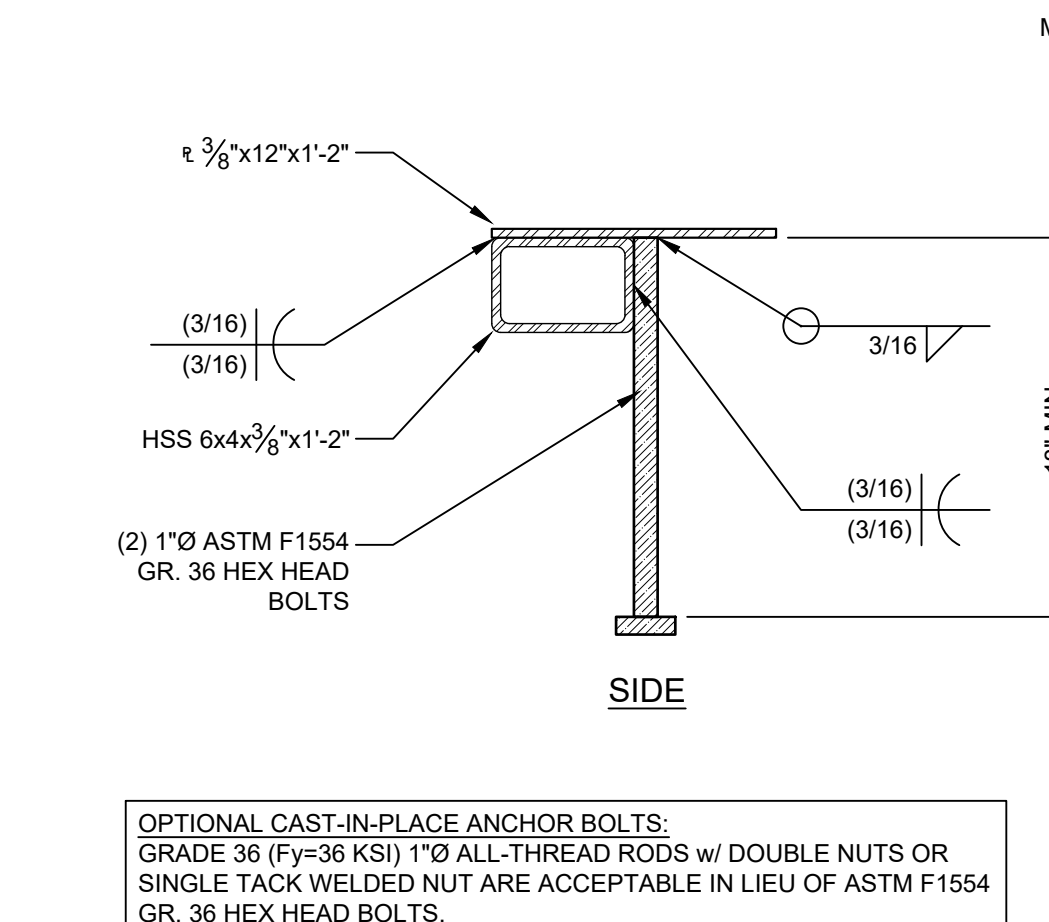
STANDARD ANCHORAGE DETAIL

SCALE: 1-1/2" = 1'-0"



SIDE PLATE DETAIL

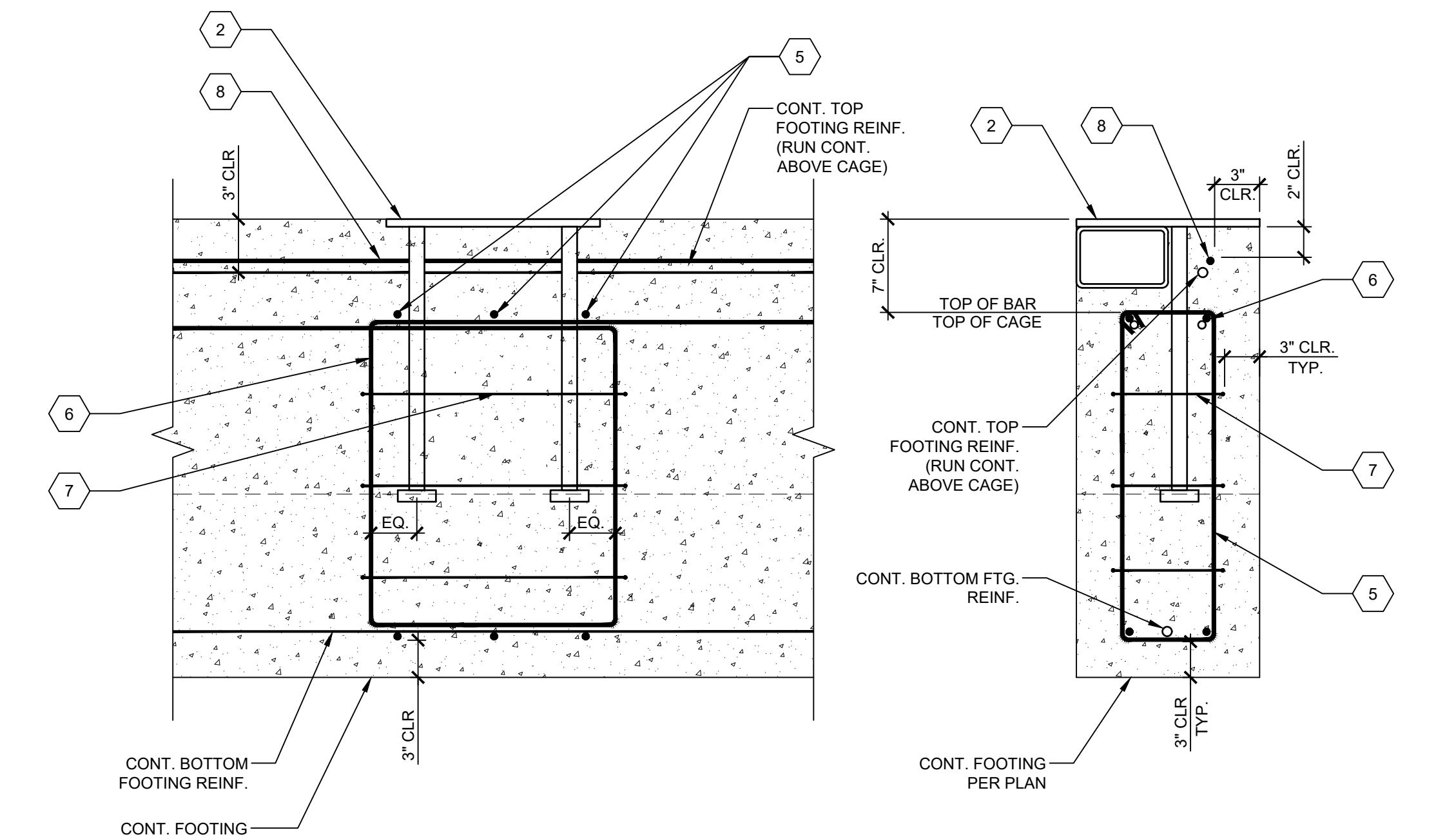
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EMBEDDED ANCHOR DETAIL

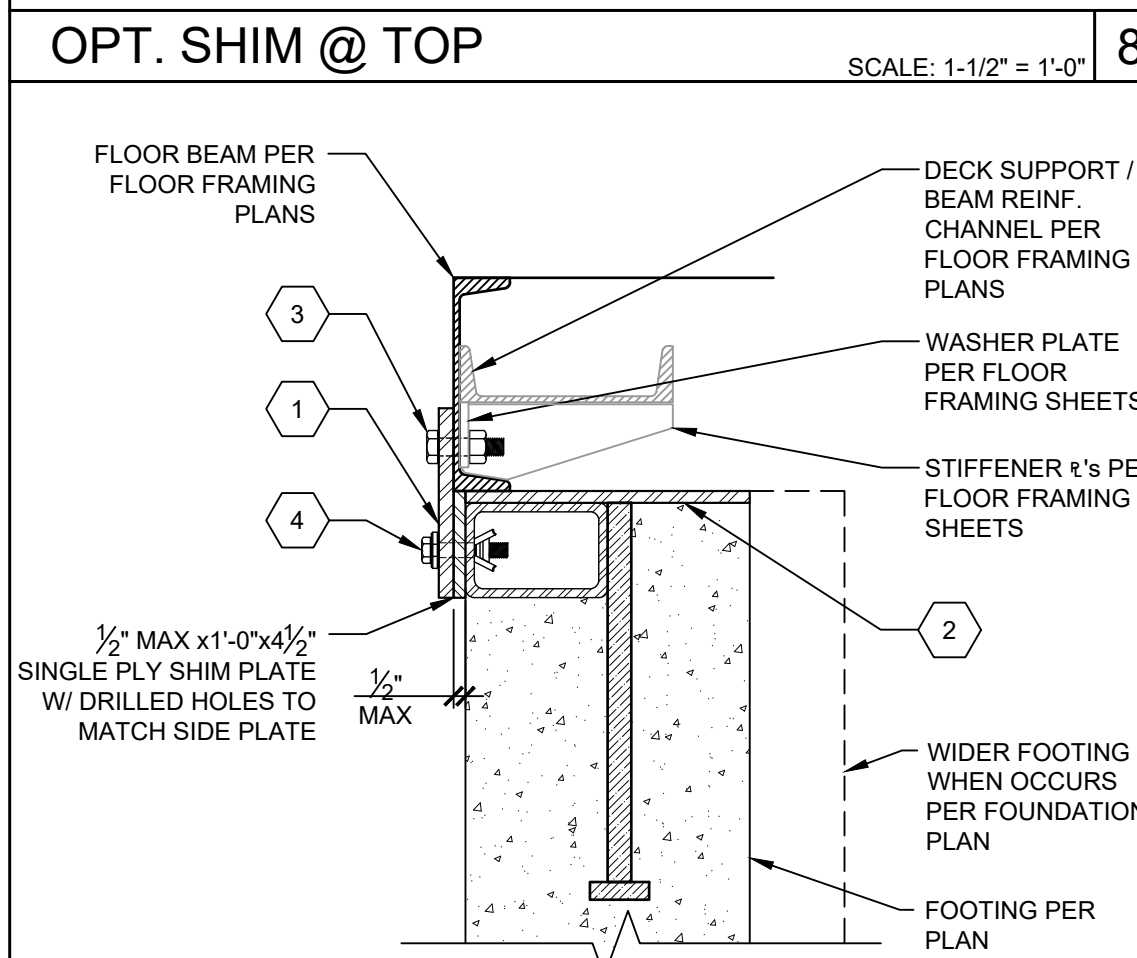
SCALE: 1-1/2" = 1'-0"

- 1/2"x8"x1'-0" (36 KSI) OR 3/8"x8"x1'-0" (50 KSI) SIDE PLATE. LOCATION PER PLAN - SEE 3'-.
- EMBEDDED ANCHOR. LOCATION PER PLAN - SEE 5'-.
- (3) 3/4"x8" M.B. THRU-BOLTED THROUGH SIDE & FLOOR BEAM w/ 1/8"x8" HOLES - SEE 8'- FOR OPTIONAL SHIM DETAIL.
- (3) 3/8"x8" LHM16 "HOLLO-BOLT" EXPANSION BOLTS PER ICC ESR-3330 THROUGH SIDE & INTO THE HSS OF THE EMBEDDED ANCHOR w/ 1/8"x8" HOLES - SEE GENERAL NOTES FOR SPECS. & INSTALLATION REQUIREMENTS. - SEE 13'- FOR OPTIONAL SHIM DETAIL.
- (3) #3 VERTICAL HOOPS PER 12". FORMED PER 5/S1.4 & EVENLY SPACED @ ANCHORS.
- (2) #4 BENT BARS CENTERED ON ANCHORS - (1) EA. SIDE OF ANCHORS.
- #3 HORIZONTAL HOOPS PER 12". FORMED PER 5/S1.4 & SPACED @ 6" O.C.
- ADDITIONAL #5x8'-0" CENTERED @ ANCHOR. BEND DOWN @ VENTS OR AROUND PERIMETER @ CORNERS.



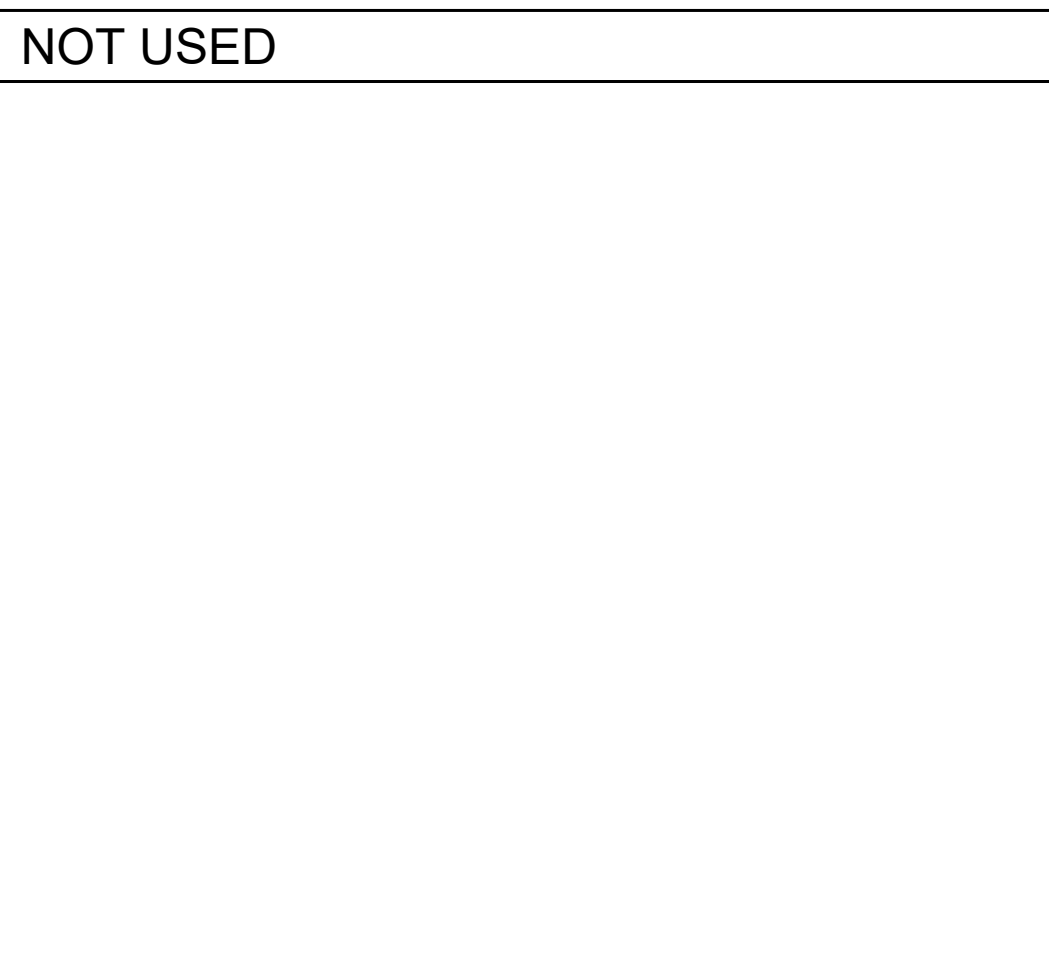
EMBEDDED ANCHOR REINFORCEMENT DETAIL

SCALE: 1-1/2" = 1'-0"



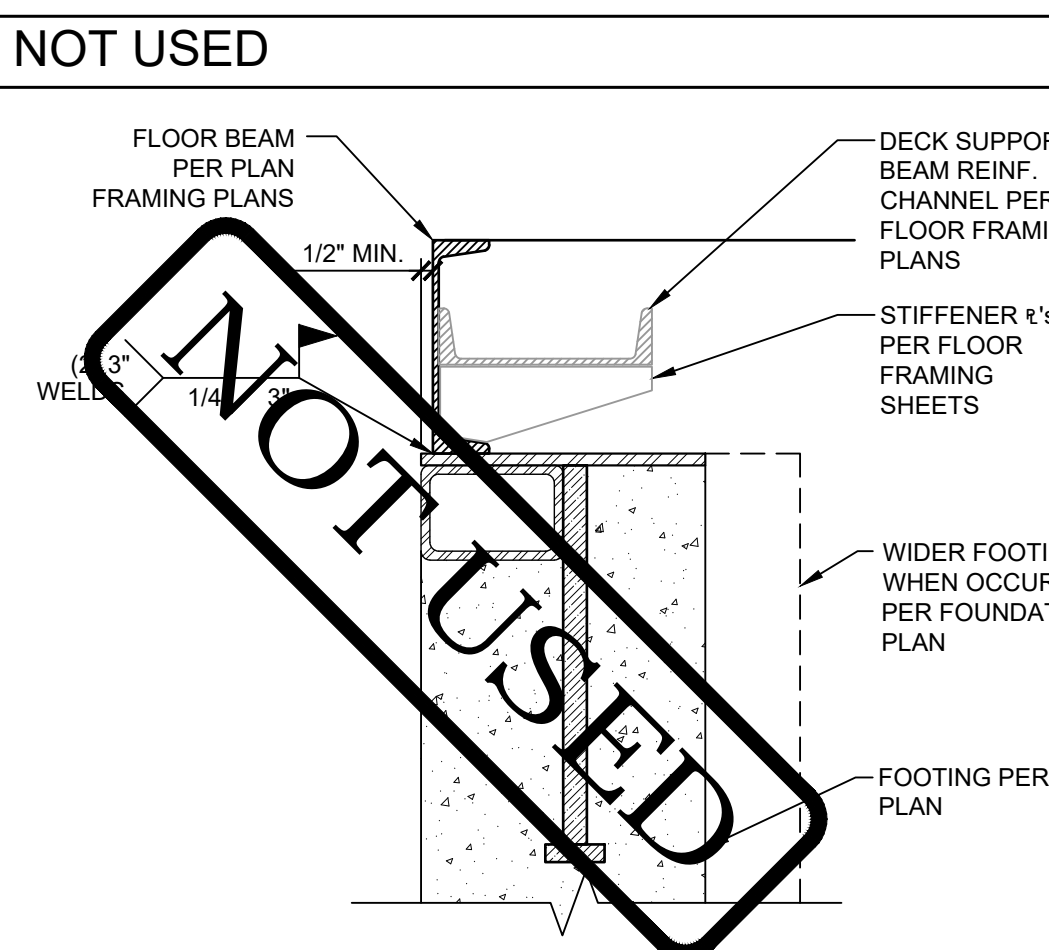
OPT. SHIM @ TOP

SCALE: 1-1/2" = 1'-0"



OPT. SHIM @ BOT

SCALE: 1-1/2" = 1'-0"



ALTERNATE DIRECT WELD @ OFFSET

SCALE: 1-1/2" = 1'-0"

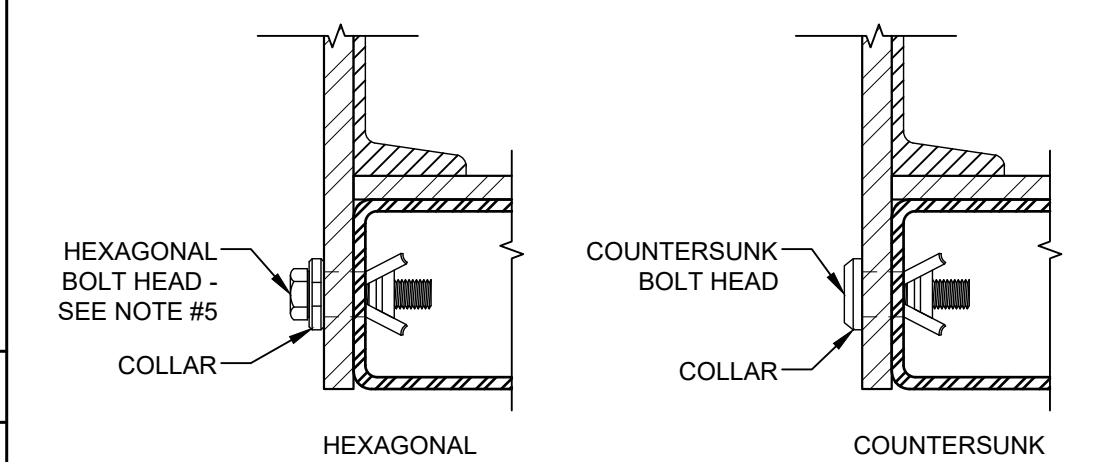


ALTERNATE DIRECT WELD @ OFFSET

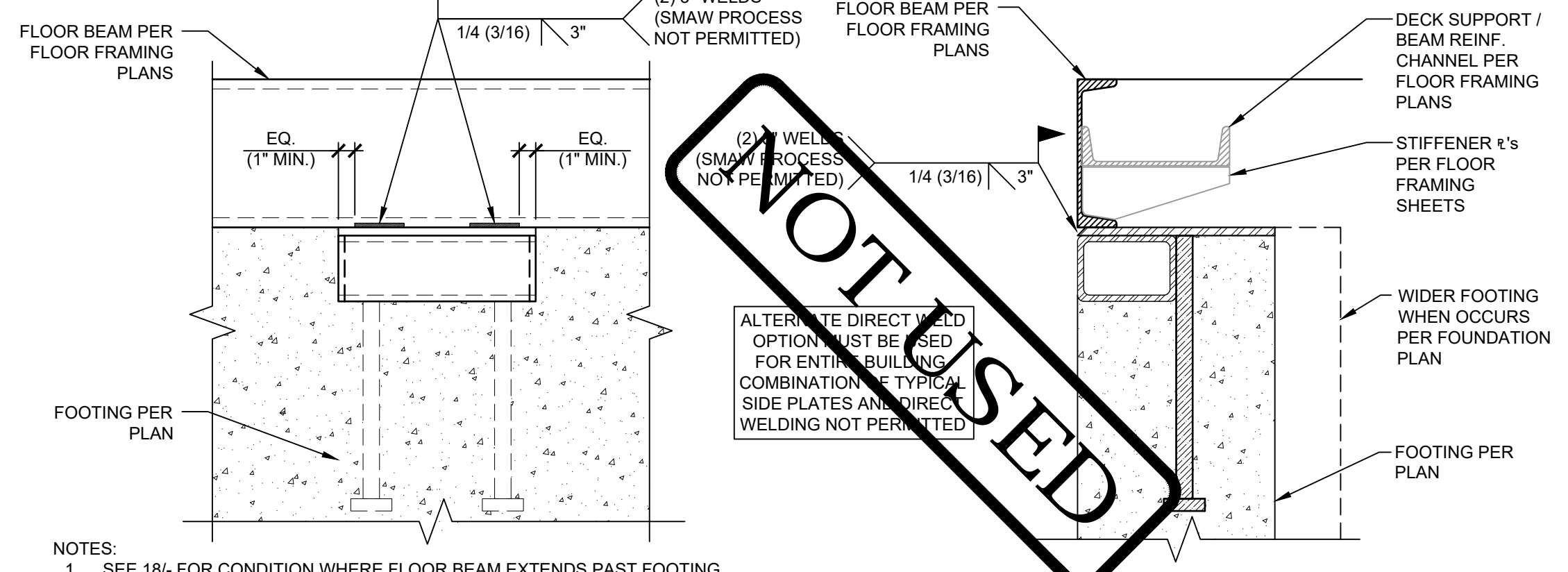
SCALE: 1-1/2" = 1'-0"

KEY NOTES

- DETAILS ON THIS SHEET SHALL APPLY WHERE STANDARD ANCHORAGE IS SPECIFIED ON THE FOUNDATION PLANS.
- EACH ANCHORAGE POINT SPECIFIED ON PLAN SHALL CONSIST OF AN EMBEDDED ANCHOR AND EITHER A BOLTED SIDE PLATE OR ALTERNATE DIRECT WELD AS DETAILED ON DETAIL 2'-.
- ANCHOR REINFORCEMENT PER DETAIL 12'- SHALL BE PLACED AT ALL EMBEDDED ANCHOR LOCATIONS.
- EXPANSION BOLTS SHALL BE "HOLLO-BOLTS" BY LINDAPTER OR AN EQUIVALENT ICC ACCEPTED BOLT.
- "HOLLO-BOLTS" ARE SPECIFIED AND TO BE INSTALLED PER ICC-ES REPORT ESR-3330 WITH AN INSTALLATION TIGHTENING TORQUE OF 140 FT-LBS & ARE TO BE SUBJECT TO THE MANUFACTURER'S INSPECTION PROCEDURES SHOWN ON SHEET D1 OF THESE DRAWINGS.
- "HOLLO-BOLT" HEADS MAY BE HEXAGONAL OR COUNTERSUNK, AS SHOWN BELOW (NOT TO SCALE). FLUSH FIT "HOLLO-BOLT" OPTION NOT PERMITTED.



- UPGRADED ANCHORAGE PER SHEET S1.6B MAY BE USED AS AN ALTERNATIVE TO STANDARD ANCHORAGE WHERE STANDARD ANCHORAGE IS SPECIFIED ON PLANS.



ALTERNATE DIRECT WELD CONNECTION

SCALE: 1-1/2" = 1'-0"



ALTERNATE DIRECT WELD @ OFFSET

SCALE: 1-1/2" = 1'-0"



ALTERNATE DIRECT WELD @ OFFSET

SCALE: 1-1/2" = 1'-0"

GENERAL NOTES

STANDARD ANCHORAGE
FOUNDATION DETAILS

SHEET NUMBER:

S1.6A

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
STANDARD ACHORAGE FOUNDATION DETAILS

DATE: 04/03/24
CLIENT PROJ NO.: 3595001000

THE LINE SHOWN ABOVE IS
BASED ON THE ASSUMPTION THAT THE
FOUNDATION IS A CONCRETE SLAB ON GRADE.

Autodesk Docs: 13595001000 TUSD TK CLASSROOMS 2025 R22.23595001000-A-TUSD-BOHN-SITE-1.M
12/2/2024 9:56:46 AM



HMC Architects

3595001000

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

ISSUE

DESCRIPTION	DATE
ADDENDUM "A"	3/20/25



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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)
FORM

SITE SPECIFIC PROJECT NAME

2022 CRC PRE-CHECK (PC) DOCUMENT
A SEPARATE PRE-CHECK AND CALCULATION DOCUMENT (FORM 10) IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122050 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 12/11/2023

11/21/2023

UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YYYY
PROJECT NO: XXXX-22
SHEET TITLE:

UPGRADED ANCHORAGE
FOUNDATION DETAILS

SHEET NUMBER:

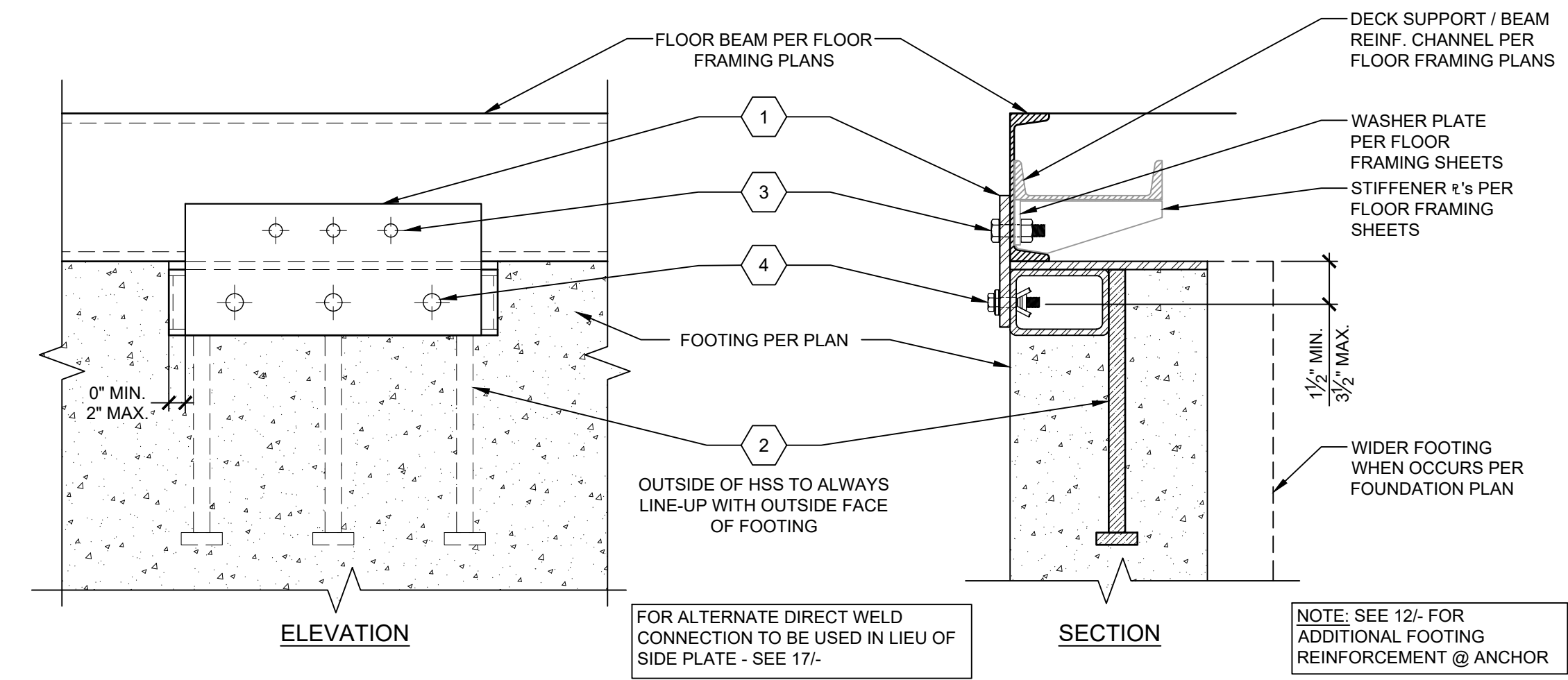
S1.6B

DATE: 04/03/24
CLIENT PROJ NO: 3595001000

SHEET:

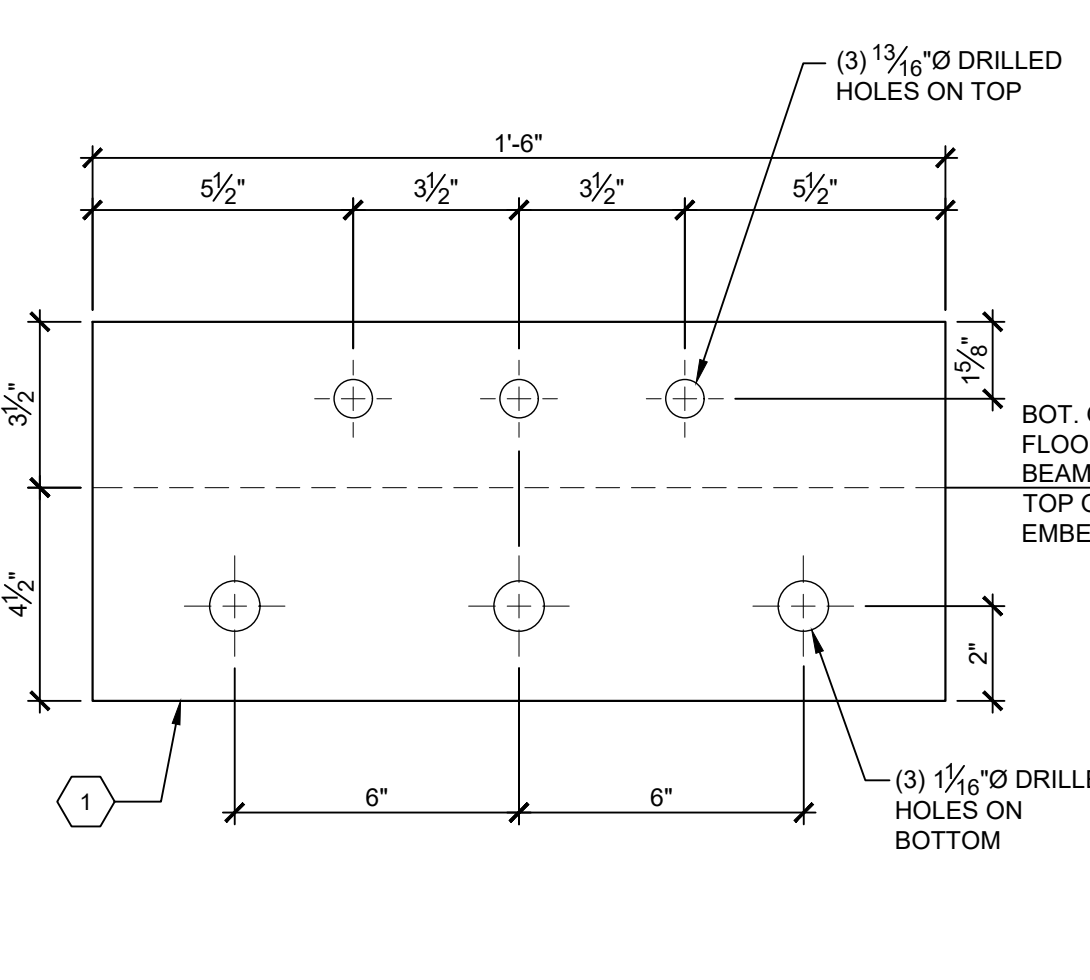
KEYNOTES

GENERAL NOTES



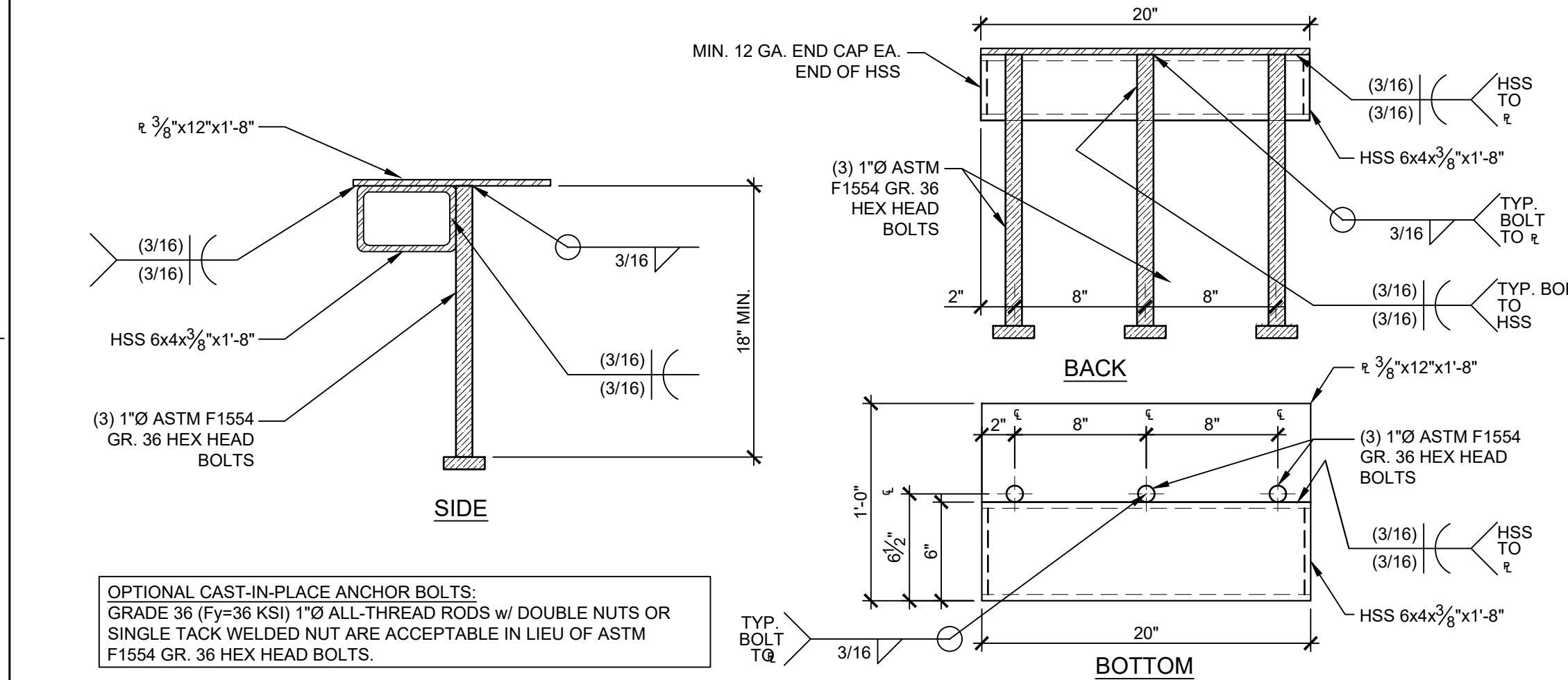
STANDARD ANCHORAGE DETAIL

SCALE: 1-1/2" = 1'-0"



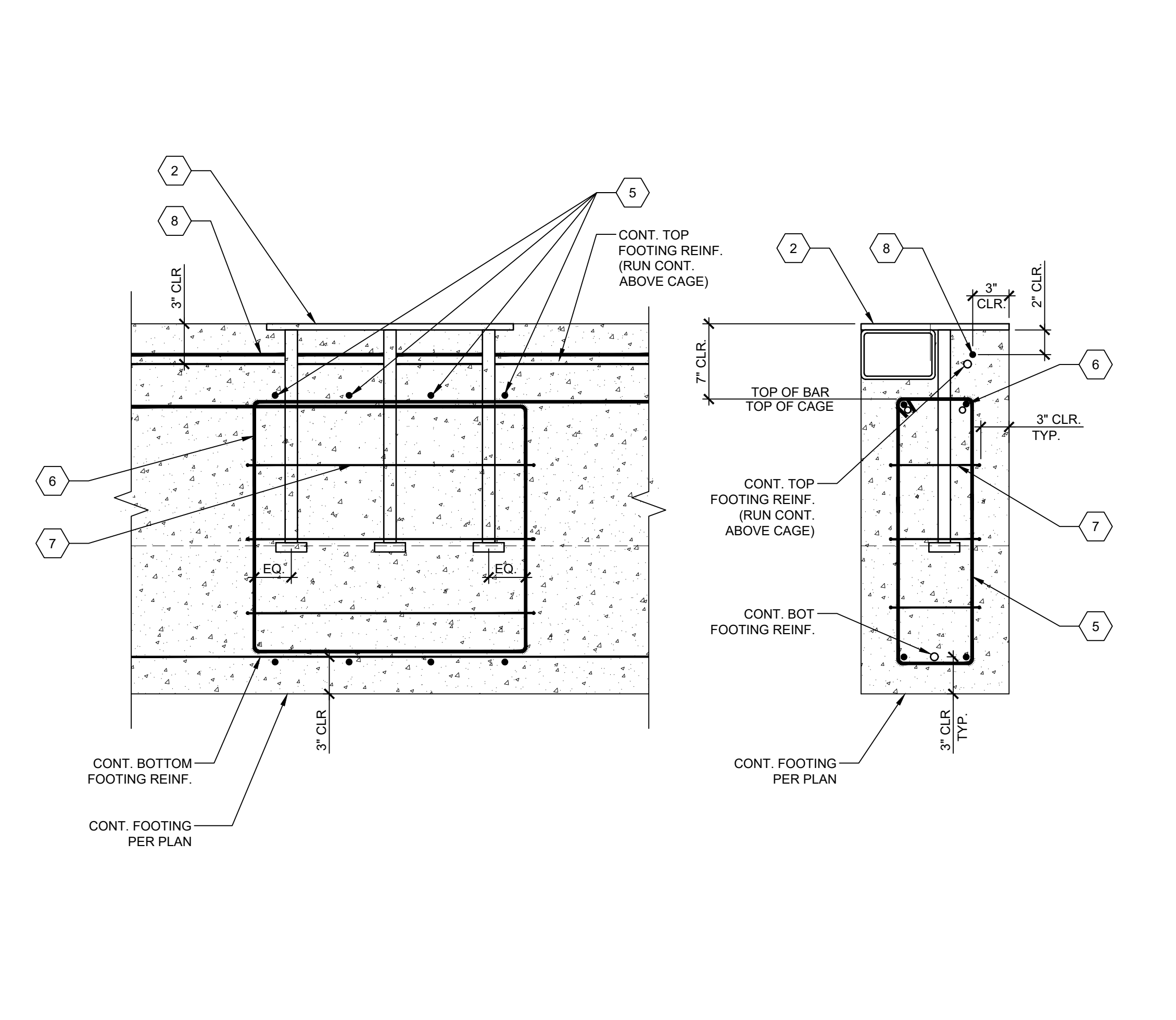
SIDE PLATE DETAIL

SCALE: 3" = 1'-0"



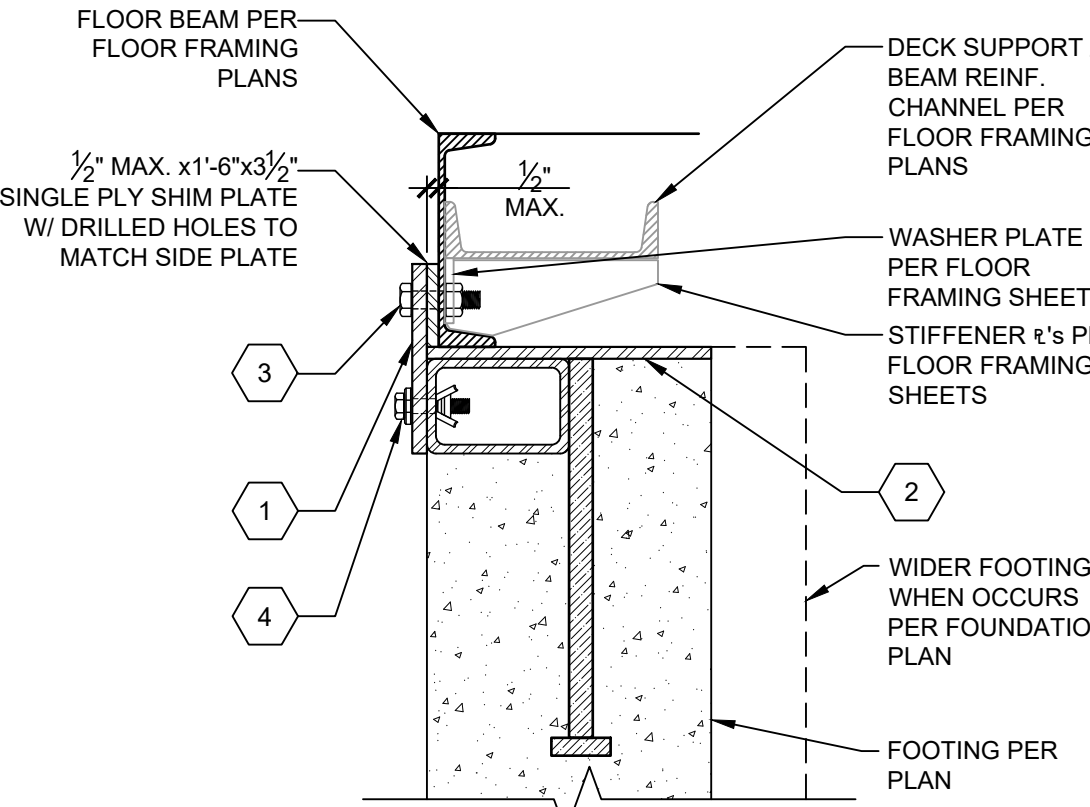
EMBEDDED ANCHOR DETAIL

SCALE: 1-1/2" = 1'-0"



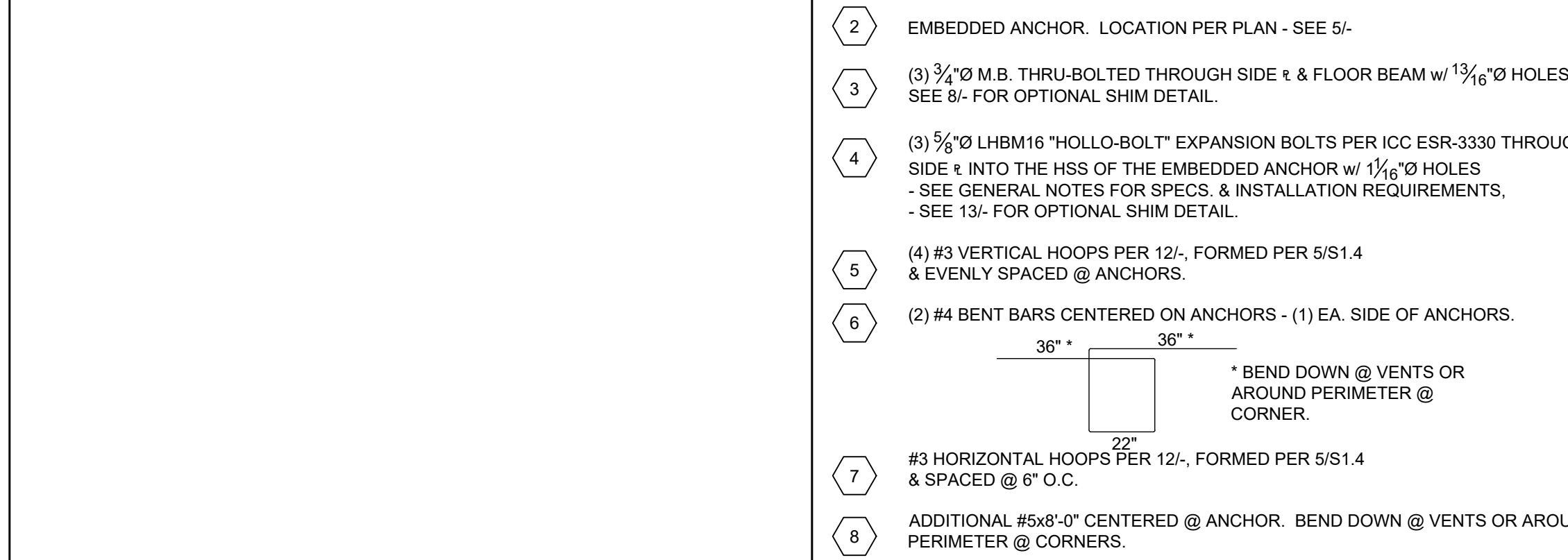
EMBEDDED ANCHOR REINFORCEMENT DETAIL

SCALE: 1-1/2" = 1'-0"



OPT. SHIM @ TOP

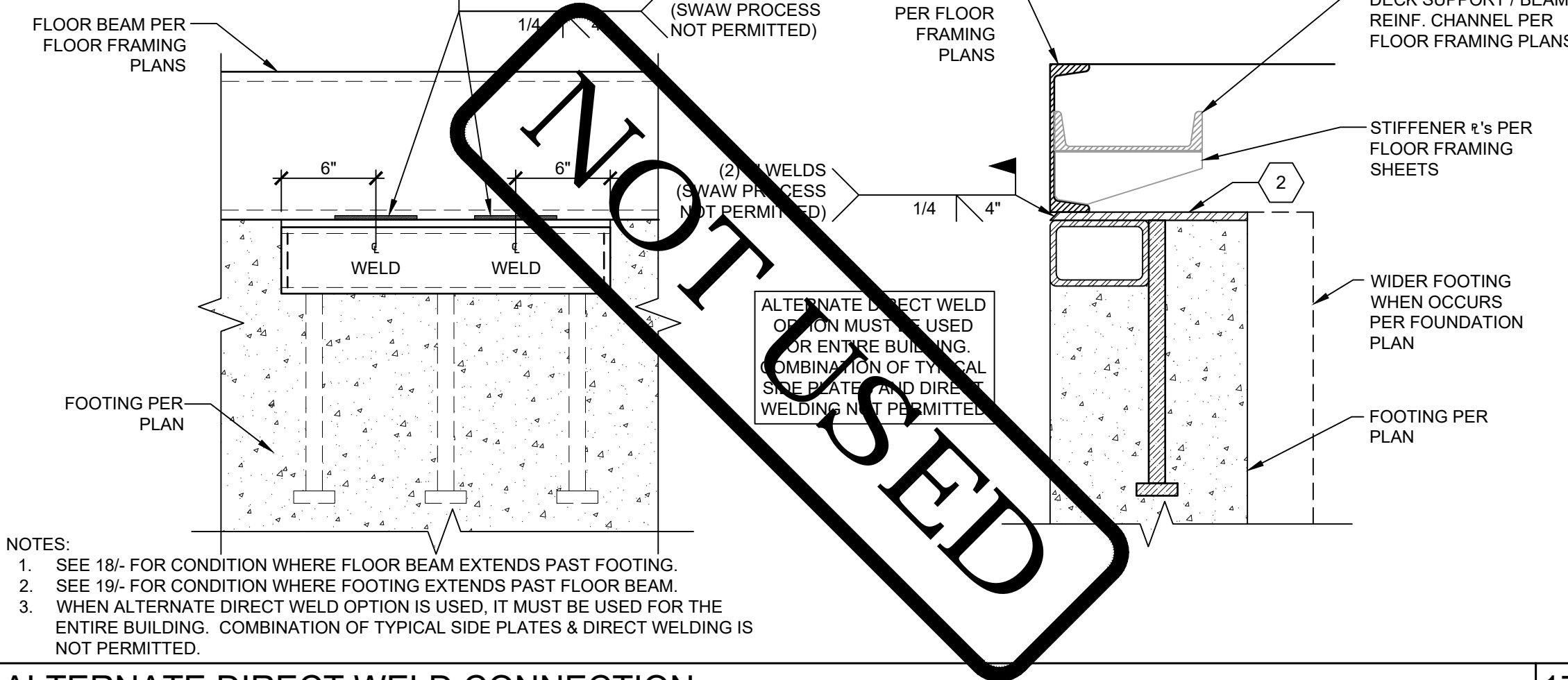
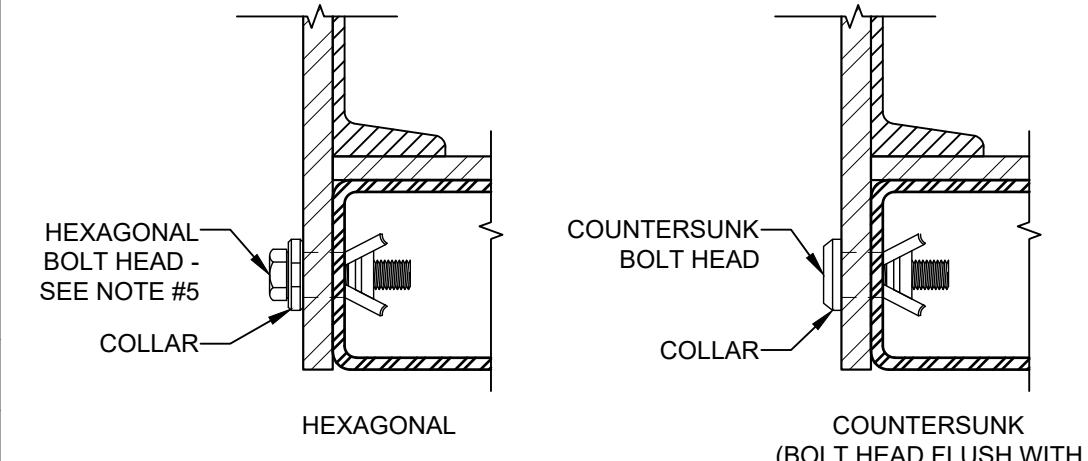
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NOT USED

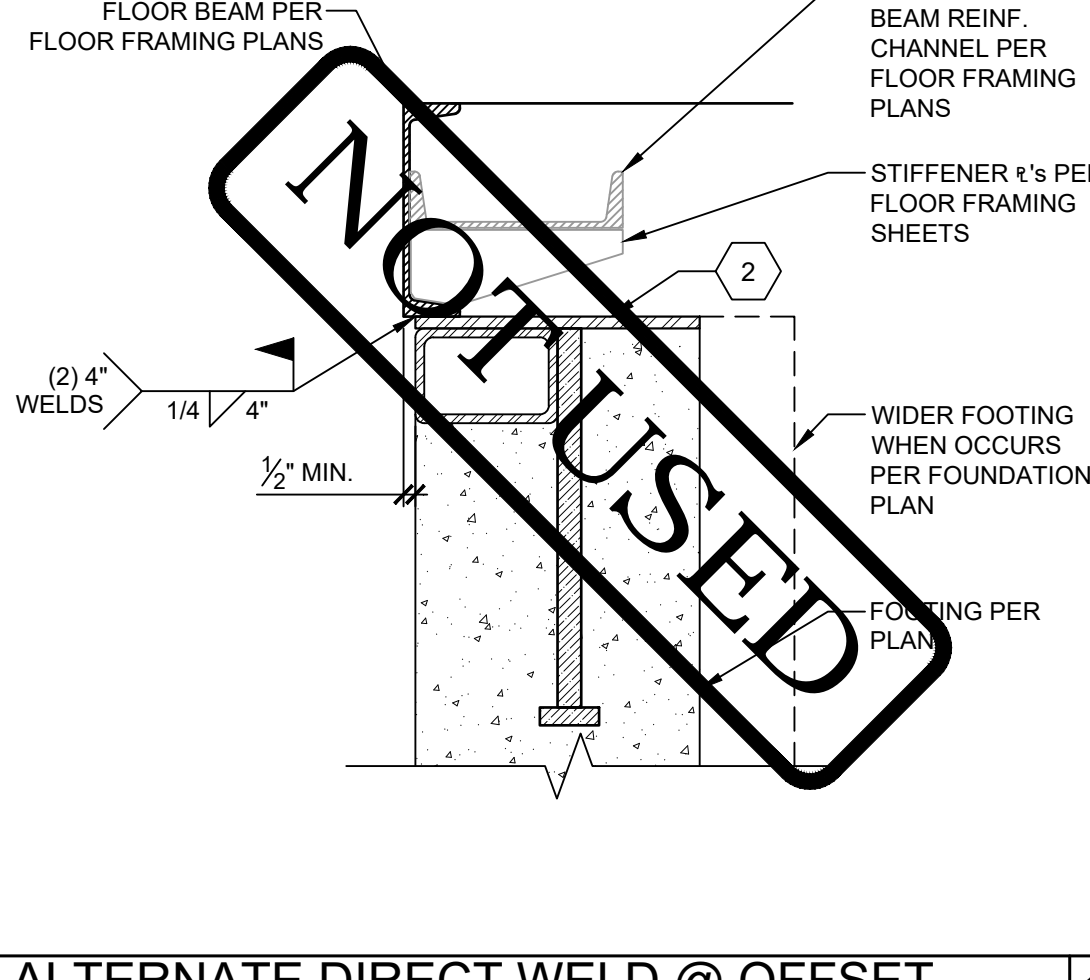
KEY NOTES

- DETAILS ON THIS SHEET SHALL APPLY WHERE UPGRADED ANCHORAGE IS SPECIFIED ON THE FOUNDATION PLANS.
- EACH ANCHORAGE POINT SPECIFIED ON PLAN SHALL CONSIST OF AN EMBEDDED ANCHOR AND EITHER A BOLTED SIDE PLATE OR ALTERNATE DIRECT WELD AS DETAILED ON DETAIL 2A.
- ANCHOR REINFORCEMENT PER DETAIL 12A SHALL BE PLACED AT ALL EMBEDDED ANCHOR LOCATIONS.
- EXPANSION BOLTS SHALL BE "HOLLO-BOLTS" BY LINDAPTER OR AN EQUIVALENT ICC ACCEPTED BOLT.
- "HOLLO-BOLTS" ARE SPECIFIED AND TO BE INSTALLED PER ICC-ES REPORT ESR-3330 WITH AN INSTALLATION TIGHTENING TORQUE OF 140 FT.-LBS & ARE TO BE SUBJECT TO THE MANUFACTURER'S INSPECTION PROCEDURES SHOWN ON SHEET D1 OF THESE DRAWINGS.
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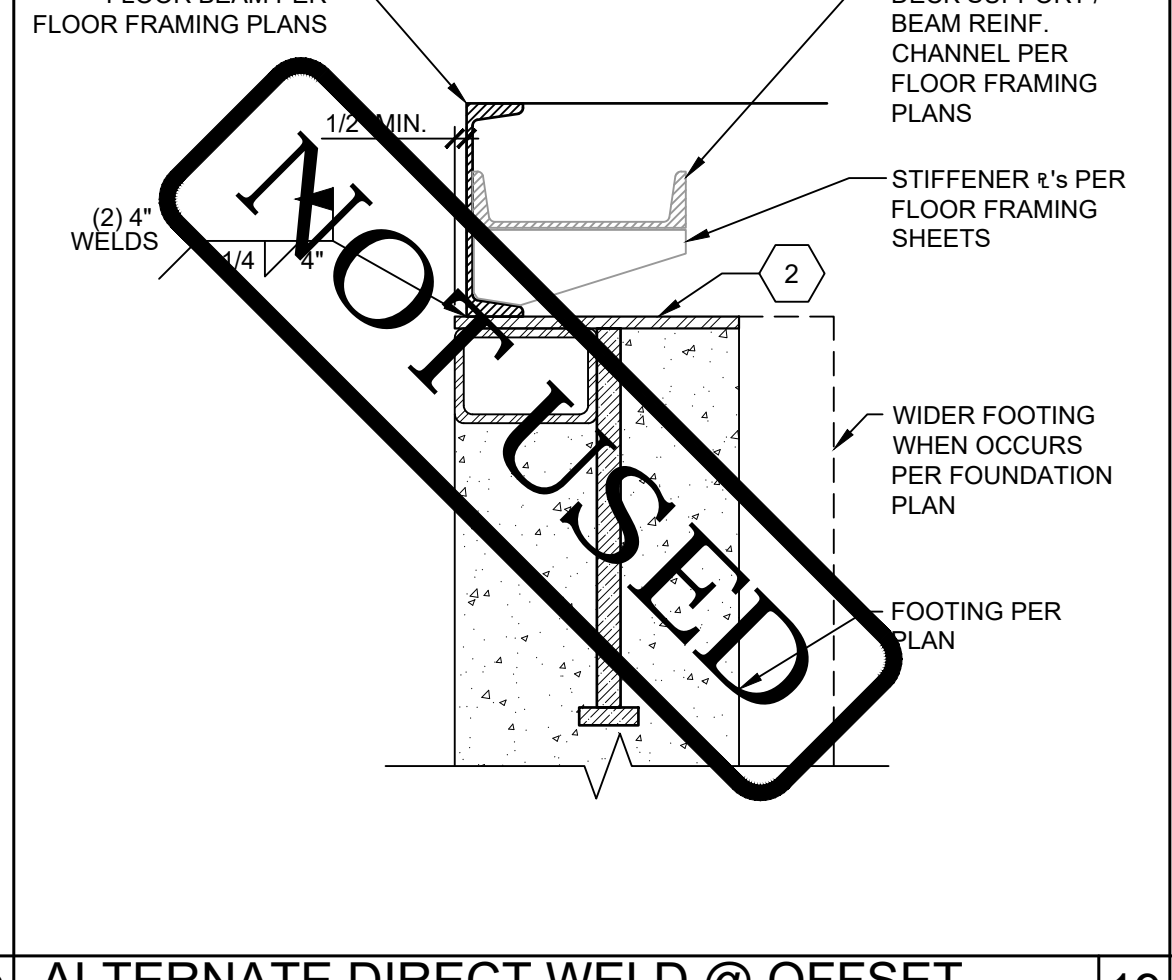
ALTERNATE DIRECT WELD CONNECTION

SCALE: 1-1/2" = 1'-0"



ALTERNATE DIRECT WELD @ OFFSET

SCALE: 1-1/2" = 1'-0"



ALTERNATE DIRECT WELD @ OFFSET

SCALE: 1-1/2" = 1'-0"

GENERAL NOTES

PLEASE RECYCLE

S1.6B
ADDENDUM "A"

Autodesk Docs: 13595001000 TUSD TK CLASSROOMS 2025 R22.23595001000-A-TUSD-BOHN-SITE-M
12/2/2024 9:55:46 AM

THE LINE SHOWN ABOVE IS
PROPERTY OF THE STATE ARCHITECT
DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122977 INC.
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 03/12/2025



HMC Architects

3595001000

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

ISSUE

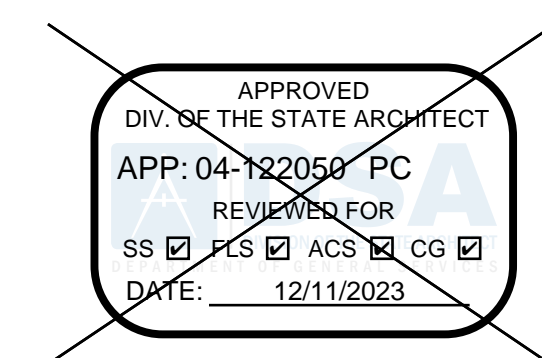
DESCRIPTION DATE
ADDENDUM "A" 3/20/25



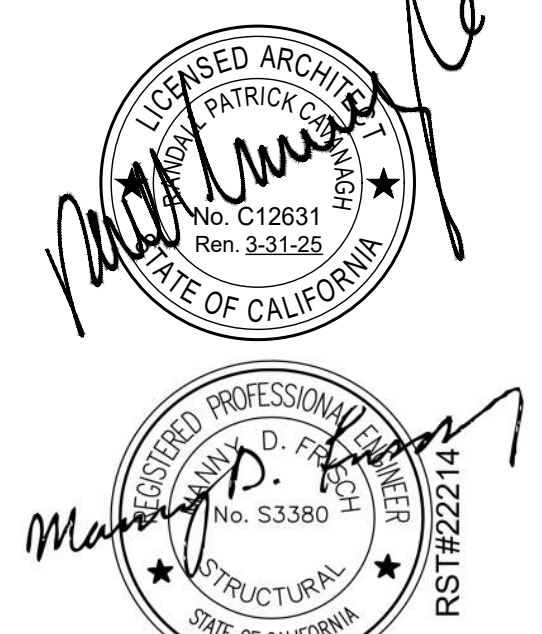
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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)
FORM

SITE SPECIFIC PROJECT NAME



2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE DOCUMENT AND CALIFORNIA REGISTERED PROFESSIONAL'S RECORD ON PC
MANUFACTURER PROFESSIONAL OF RECORD ON PC



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REVISIONS

△	
△	
△	
△	

DRAWN BY: AA
SCALE: AS NOTED
DATE: MMDDYY
PROJECT NO: XXXX-22

SHEET TITLE
CONCRETE FOUNDATION
OPTIONAL UTILITY
OPENINGS IN FOOTINGS

SHEET NUMBER

S1.7

PLEASE RECYCLE

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

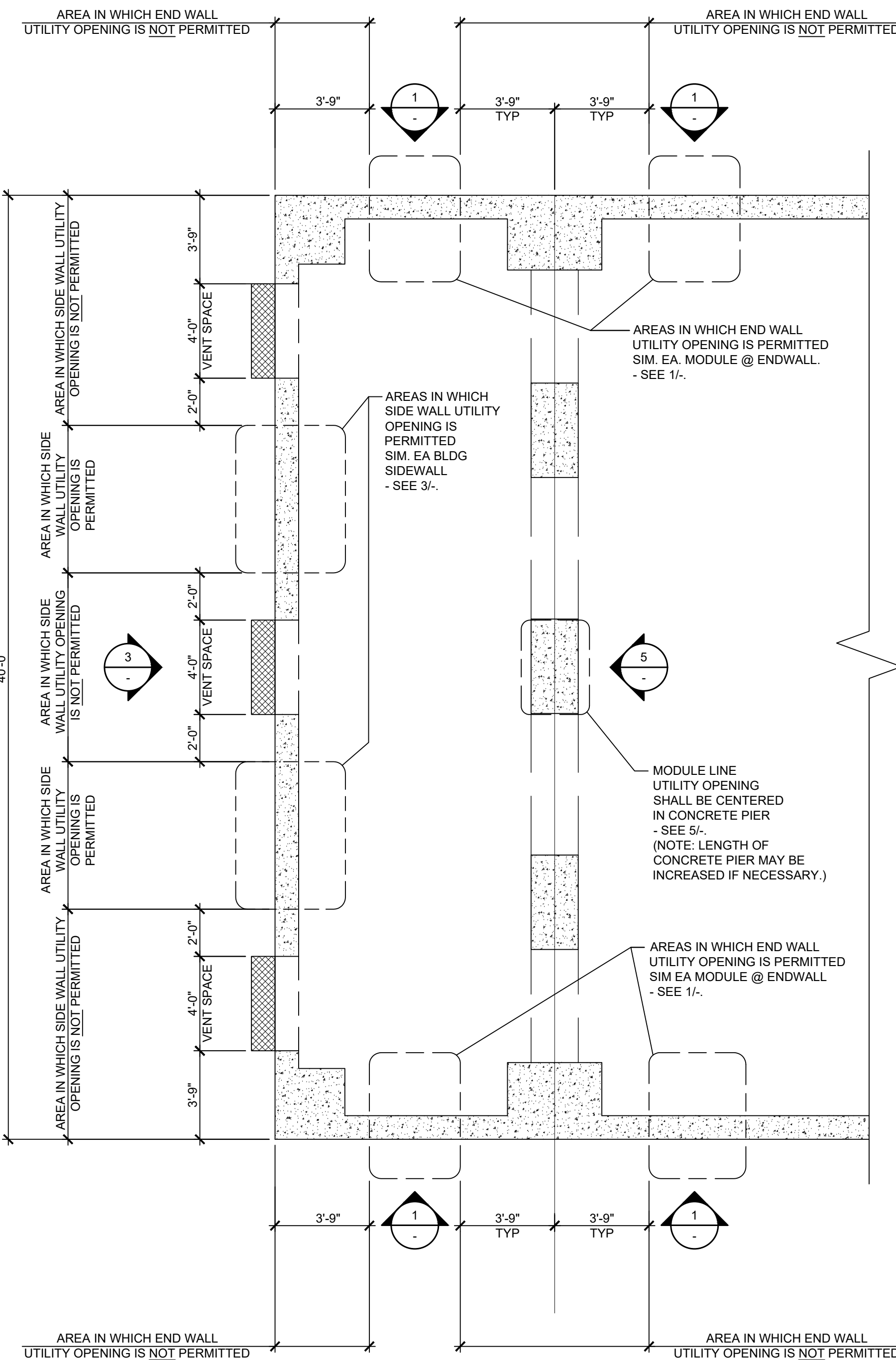
PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
CONCRETE FOUNDATION OPTIONAL UTILITY
OPENINGS IN FOOTINGS

DATE: 04/03/24 CLIENT PROJ NO: 3595001000
SHEET:

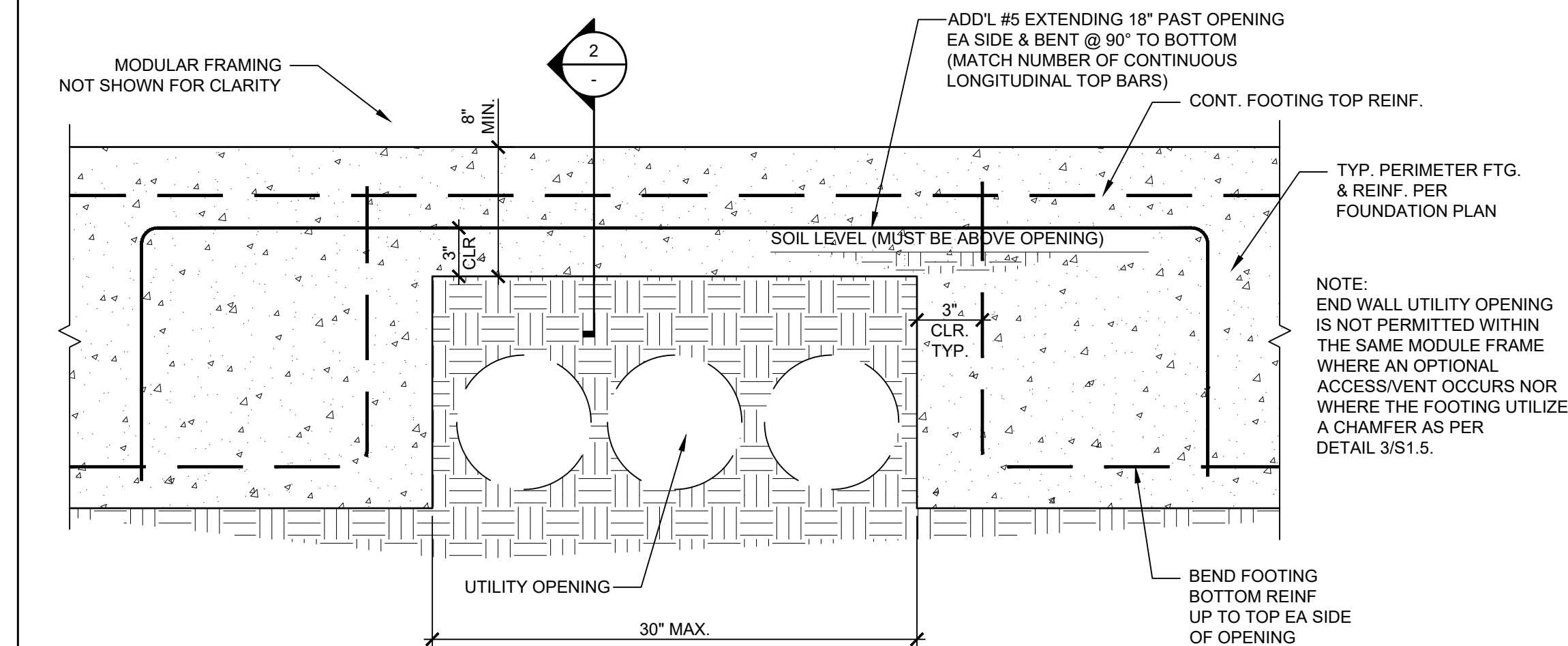
S1.7

ADDENDUM "A"



OPTIONAL UTILITY OPENINGS PLAN

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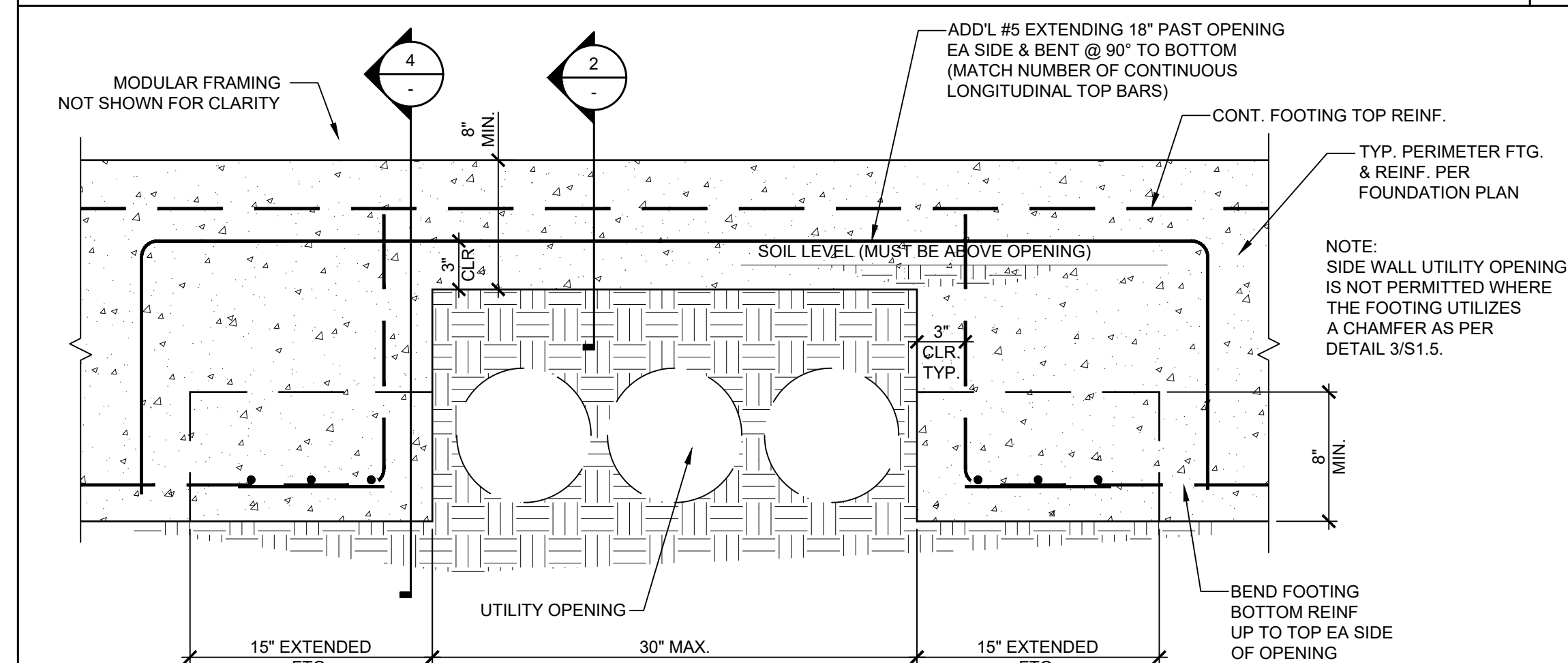


OPTIONAL UTILITY OPENINGS IN END WALL FOOTINGS

N.T.S.

1 DETAIL

N.T.S.

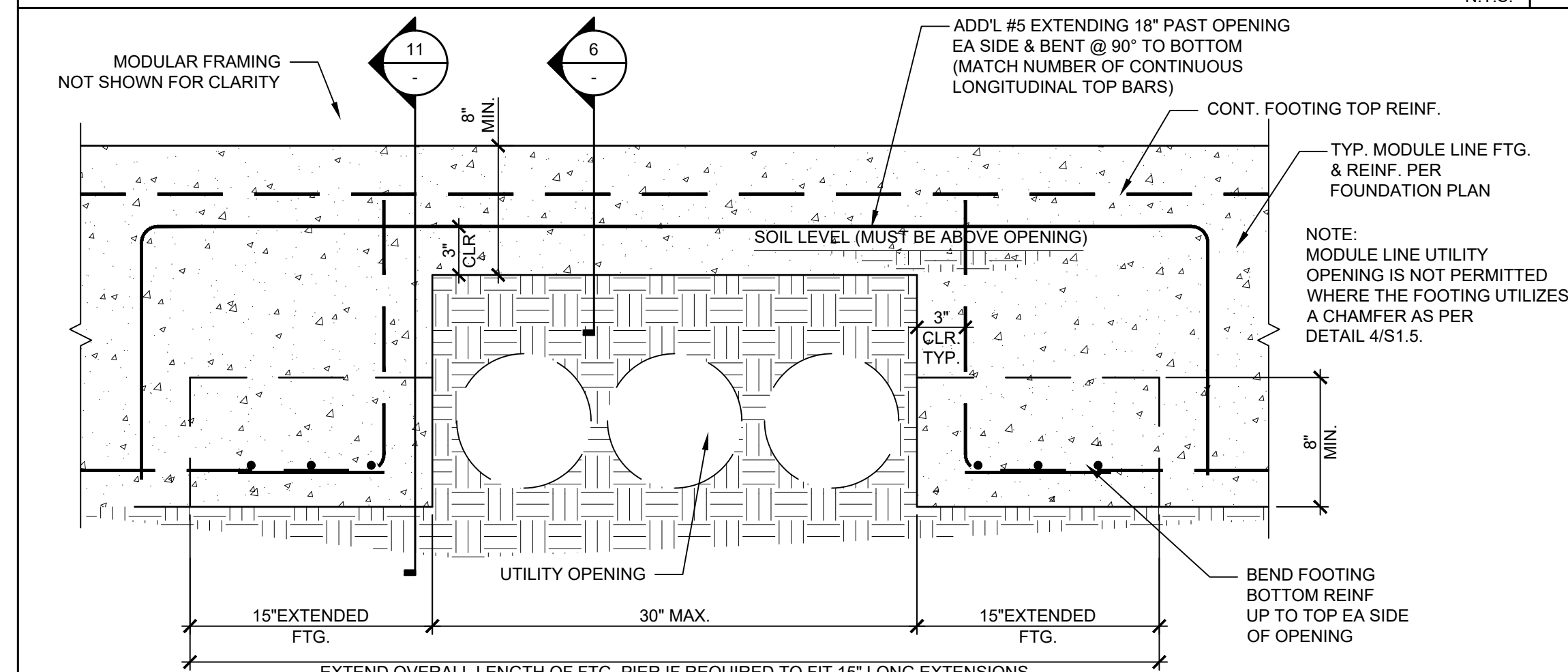


OPTIONAL UTILITY OPENINGS IN SIDE WALL FOOTINGS

N.T.S.

2 DETAIL

N.T.S.

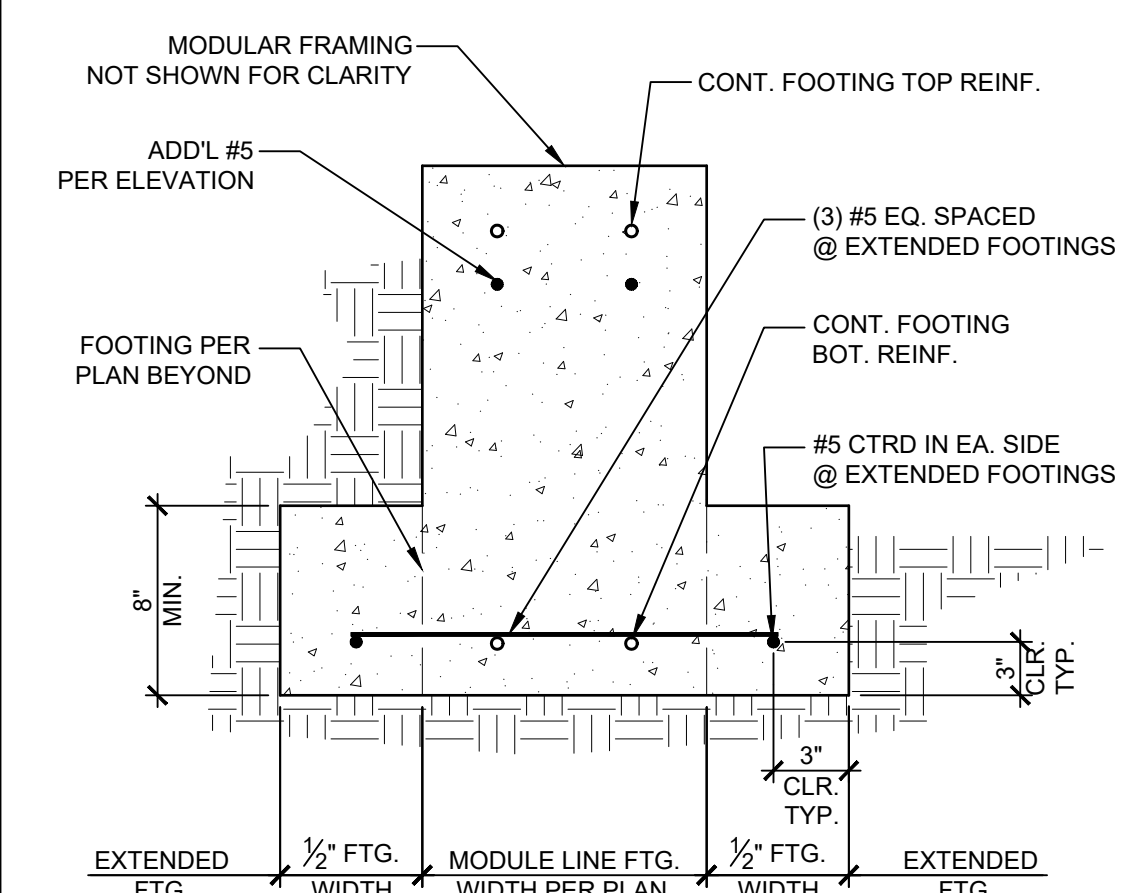


OPTIONAL UTILITY OPENINGS IN MODULE LINE FOOTINGS

N.T.S.

3 DETAIL

N.T.S.



DETAIL

N.T.S.

NOT USED

NOT USED

NOT USED

NOT USED

DETAIL

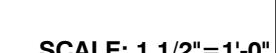
N.T.S.

ENCLOSED SOFFIT DETAIL

S4.0

ADDENDUM "A"

PLEASE RECYCLE 



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

BUILDING SIZE SCHEDULE

NOT USED

ROOF BEAM CONNECTION DETAIL

SCALE: 1 1/2"=1'-0"

SCALE: 1 1/2"=1'-0"

S4.0

ISSUE	
Δ DESCRIPTION	DATE
Δ ADDENDUM "A"	3/20/25

[illegible]

SITE SPECIFIC PROJECT NAME

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

MANUFACTURER PROFESSIONAL OF RECORD ON F

LICENSED ARCHITECT
 PATRICK MUEY
 No. C12631
 Exp. 8-31-2025
 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
 MATTHEW D. P. [unclear]
 No. 53,380
 Exp. 12-12-2023
 STATE OF CALIFORNIA

RST#22224

11/21/2023

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REVISIONS

2	

3	
4	

DRAWN BY: AA

SCALE:	AS NOTED
--------	----------

DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:

POSTGRADUATE STUDY

ROOF FRAMING DETAILS

CROSS BRACING OPTION

SHEET NUMBER:

040

S42

C1.2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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PLEASE RECD

\$42

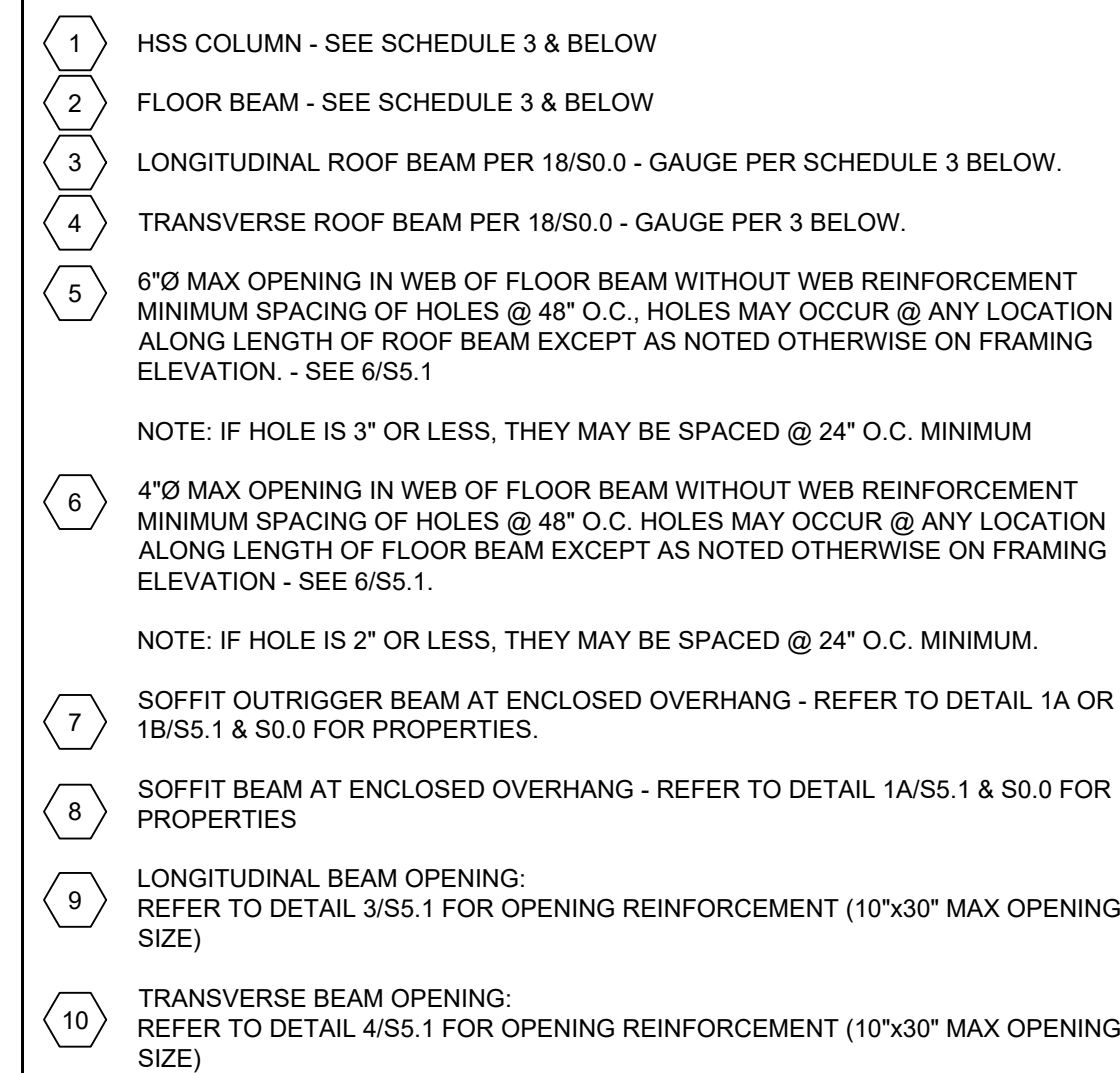
ADDENDUM

S4.2

ADDENDUM "A"

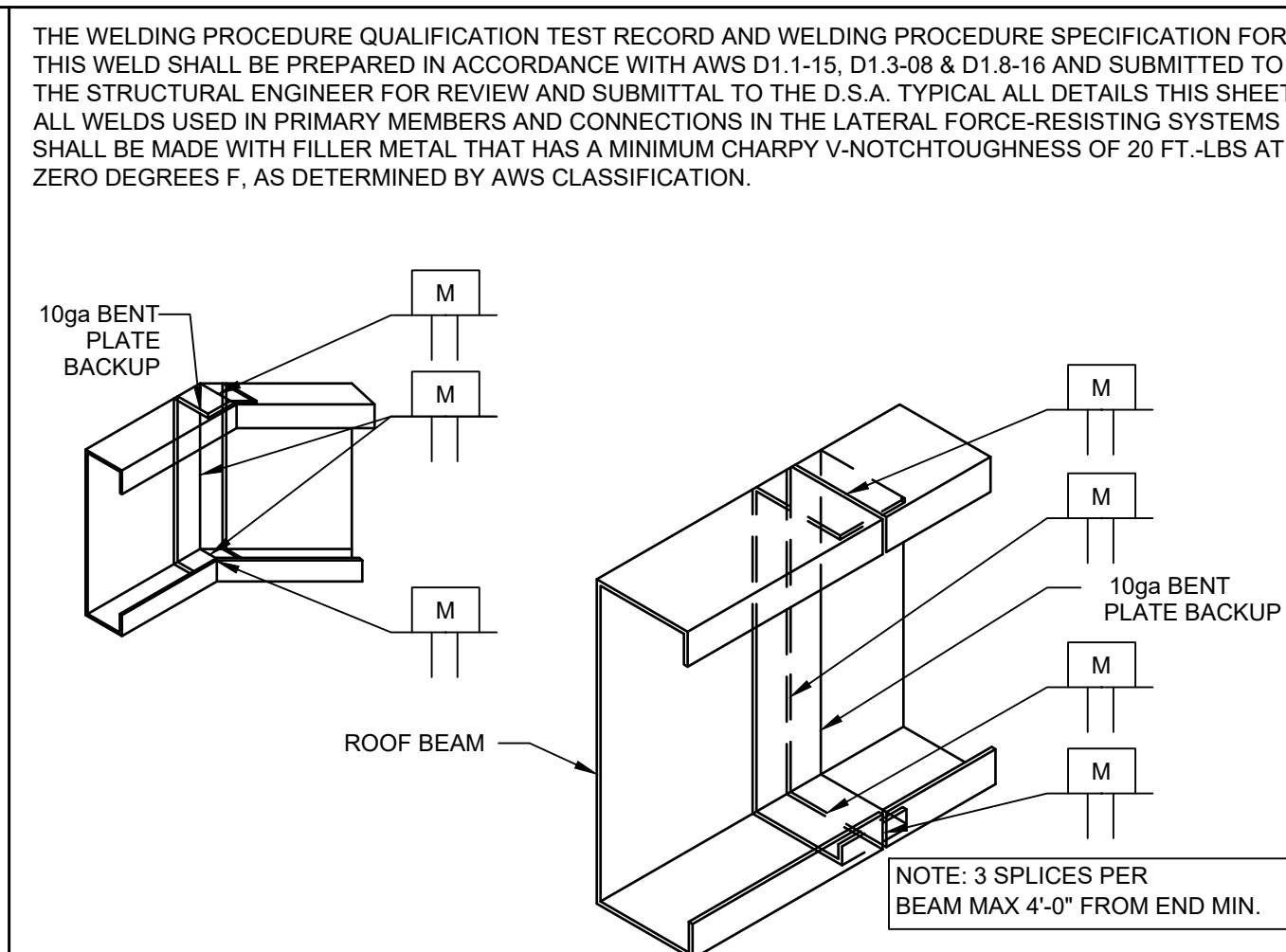
KEYNOTES

GENERAL NOTES



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

KEY NOTES

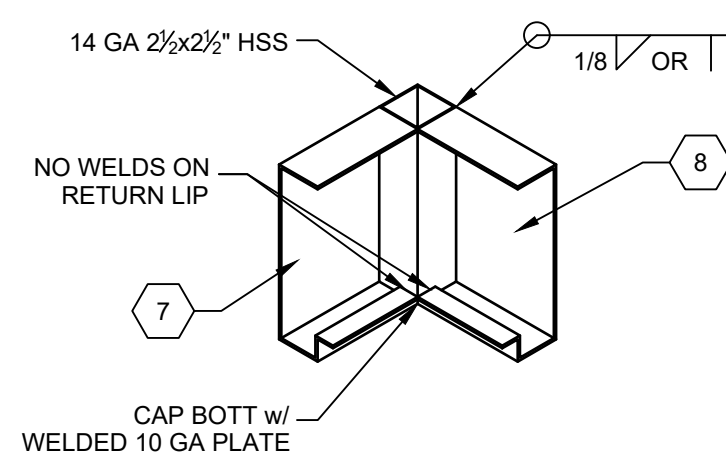


SCALE: 1 1/2"=1'-0"

FLOOR BEAMS		ALT. FLOOR BEAMS		COLUMNS	LONGITUDINAL ROOF BEAMS	TRANSVERSE ROOF BEAMS
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C9x13.4 (50 KSI)	C9x13.4 (50 KSI)	C9x13.4 OPTIONAL: C10x15.3	C10x15.3	HSS 6x6x $\frac{1}{4}$ (ASTM A1085) Fy = 50ksi	10 GA.	10 GA.

NOTE: SEE ALL SECTION PROPERTIES ON SHEET S0.0

FRAME MEMBER SCHEDULE



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

SCALE: 1 1/2"=1'-0"

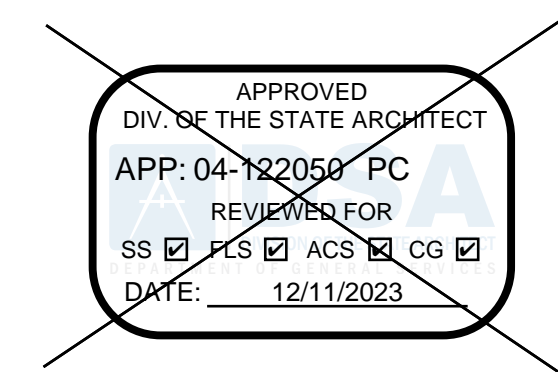
NOT USED

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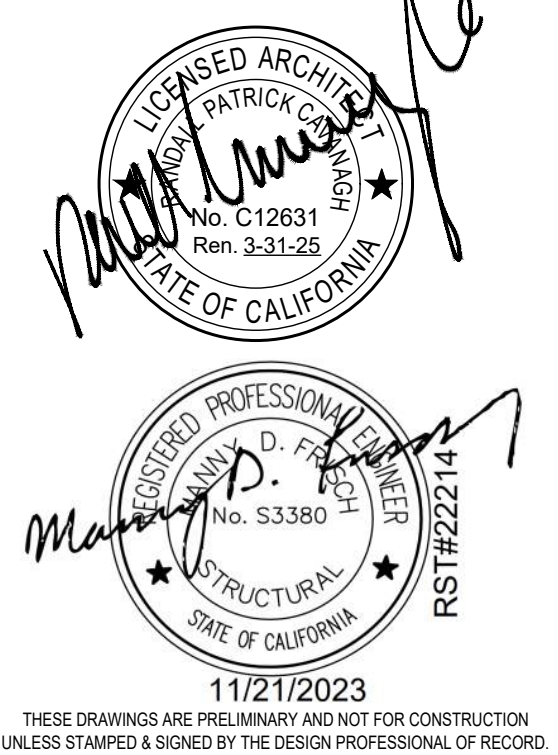
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SITE SPECIFIC PROJECT NAME



2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
MANUFACTURER PROFESSIONAL OF RECORD ON PROJECT



REVISIONS

DRAWN BY: AA

SCALE:	45 NOTED
--------	----------

DATE: MM/DD/YY

PROJECT NO: XXXX-22

SHEET TITLE:

MOMENT FRAME ELEVATIONS & DETAILS

SHEET NUMBER

\$5.0

PLEASE RECYCLE 

DATE: 04/03/24

CLIENT PROJ NO: 3595001000

SHEET:

\$5.0

ADDENDUM "A"

THE LINE SHOWN ABOVE IS
CAPABILITY OF ORIGINAL SCALE. ALL
DIMENSIONS ARE IN INCHES UNLESS
OTHERWISE NOTED.

Autodesk Docs: 13595001000 TUSD TK CLASSROOMS 2025 02223595000000-A-TUSD-BOHN-SITE-M
12/2/2024 9:55:56 AM



HMC Architects

3595001000

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

ISSUE

DESCRIPTION	DATE
ADDENDUM "A"	3/20/25

KEYNOTES

GENERAL NOTES



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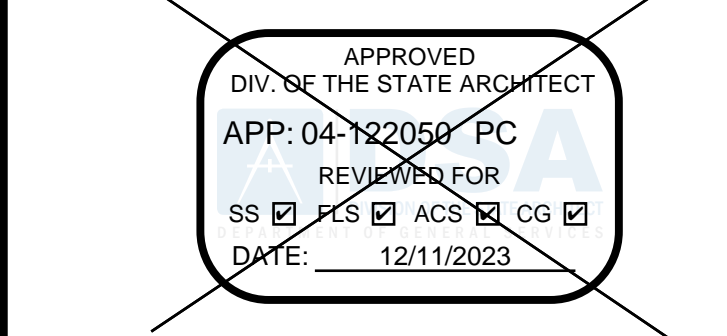
PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)



SITE SPECIFIC PROJECT NAME

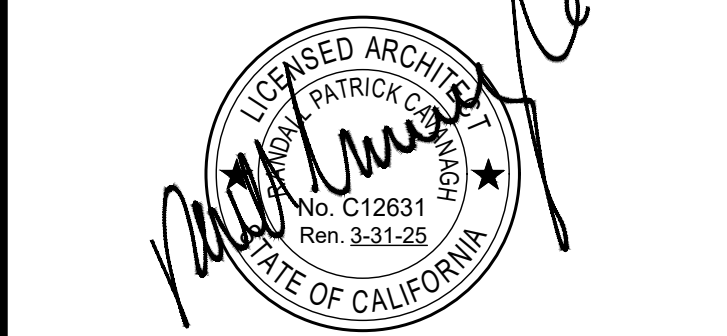
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

GENERAL NOTES



2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT AND COLUMN FOR COLUMNS REQUIRED

MANUFACTURER PROFESSIONAL OF RECORD ON PC



11/21/2023
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS SHOWN & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

REVISIONS

DRAWN BY: AA
SCALE: AS NOTED
DATE: MMDDYY
PROJECT NO: XXXX-22
SHEET TITLE:

MOMENT FRAME
CONNECTION DETAILS

SHEET NUMBER:

DATE: 04/03/24 CLIENT PROJ NO: 3595001000

SHEET:

S5.1

PLEASE RECYCLE

S5.1

ADDENDUM "A"

THE WELDING PROCEDURE QUALIFICATION TEST RECORD AND WELDING PROCEDURE SPECIFICATION FOR WELDS ON THIS SHEET SHALL BE PREPARED IN ACCORDANCE WITH AWS D1.1-15 (HOT-ROLLED), D1.3-08 (COLD-FORMED) & D1.8-16 AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND SUBMITTAL TO D.S.A. UPON REQUEST. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT.-LBS AT ZERO DEGREES F, AS DETERMINED BY AWS CLASSIFICATION.

GENERAL NOTES

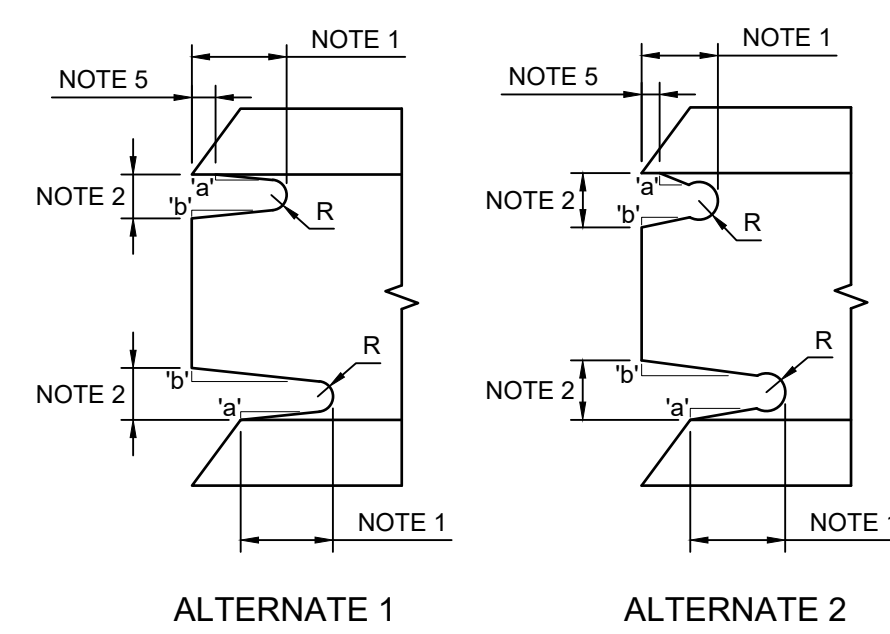
NON-DESTRUCTIVE TESTING OF COMPLETE JOINT PENETRATION (CJP) GROVE WELDS AT THE MOMENT-RESISTING BEAM-TO-COLUMN CONNECTIONS SHALL COMPLY WITH AISC 341-16 CHAPTER J PER CBC 1705A.2.1.

- WELDS SUBJECT TO THE REQUIREMENTS OF NON-DESTRUCTIVE TESTING ARE NOTED ON THESE DRAWINGS WITH THE SYMBOL:
- ALL WELDS DESIGNATED FOR NON-DESTRUCTIVE TESTING REQUIRE MAGNETIC PARTICLE TESTING (MT) TO BE PERFORMED ON 25% OF THOSE WELDS.
- ULTRASONIC TESTING (UT) IS TO BE PERFORMED ON 100% OF WELDS DENOTED WITH THE SYMBOL:
- ULTRASONIC TESTING (UT) IS ONLY REQUIRED WHERE THE THICKNESS OF THE WELDED MATERIAL IS 5/16" OR GREATER. UT IS NOT REQUIRED WHERE THE COLUMN THICKNESS IS LESS THAN 5/16". MAGNETIC PARTICLE TESTING (MT) IS STILL REQUIRED.
- ULTRASONIC TESTING (UT) IS NOT REQUIRED ON WELDS FROM STRUCTURAL STEEL CHANNEL BEAM FLANGES TO COLUMNS AS UT TESTING IS NOT APPROPRIATE FOR SECTIONS WITH VARYING DEPTHS. MAGNETIC PARTICLE TESTING (MT) IS STILL REQUIRED.

NON-DESTRUCTIVE TESTING NOTES

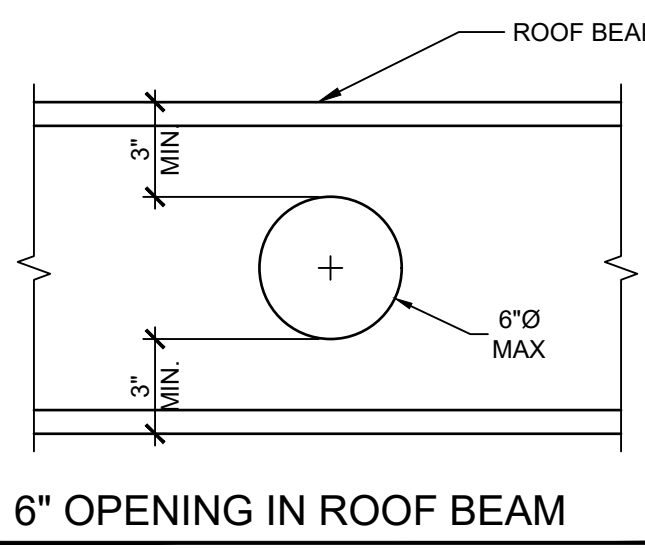
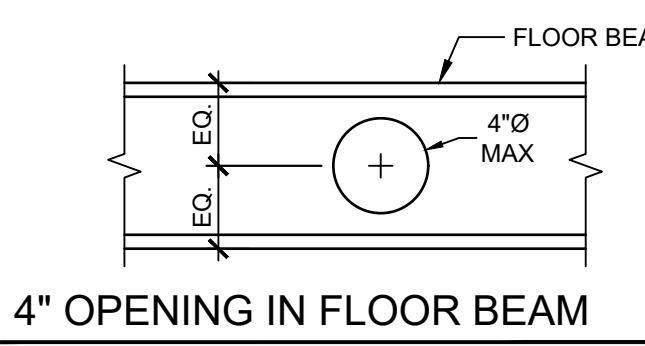
- FILLER METALS SHALL CONFORM TO THE REQUIREMENTS OF THE AISC SEISMIC PROVISIONS.
- WELDING PROCEDURES SHALL BE IN ACCORDANCE WITH THE AISC SEISMIC PROVISIONS.
- QUALITY CONTROL AND QUALITY ASSURANCE SHALL BE IN ACCORDANCE WITH THE AISC SEISMIC PROVISIONS.
- WELD ACCESS HOLES SHALL BE IN ACCORDANCE WITH AISC 360-16, SECTION J1.6, AND SHALL BE CONSTRUCTED PER THE FOLLOWING DETAILS & NOTES.

WELD ACCESS HOLE GEOMETRY

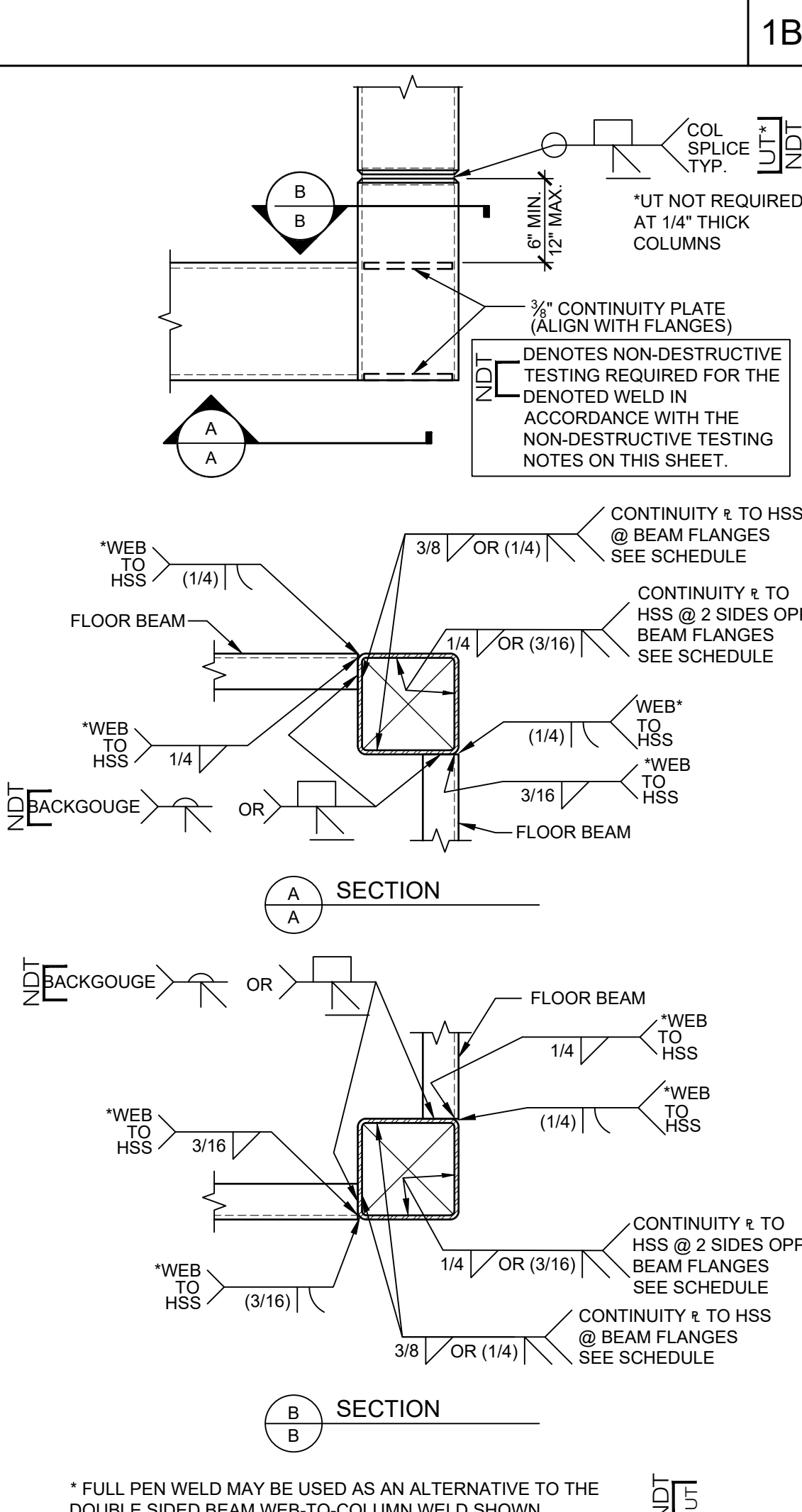


- NOTES: THESE ARE TYPICAL DETAILS FOR JOINTS WELDED FROM ONE SIDE AGAINST STEEL BACKING WHERE WELD ACCESS HOLES ARE REQUIRED.
- LENGTH: GREATER OF 1.5w (WEB THICKNESS) OR 1-1/2 IN. (38 MM)
 - HEIGHT: GREATER OF 1.0w OR 3/4 IN. (19 MM) BUT NEED NOT EXCEED 2 IN. (50 MM)
 - R: 3/8 IN. MIN (10 MM). GRIND THE THERMALLY CUT SURFACES OF WELD ACCESS HOLES IN HEAVY SHAPES AS DEFINED IN SECTIONS A3.1(c) AND (d) OF AISC 360-16.
 - SLOPE "v" FORMS A TRANSITION FROM THE WEB TO THE FLANGE. SLOPE "v" MAY BE HORIZONTAL.
 - THE BOTTOM OF THE TOP FLANGE IS TO BE CONTOURED TO PERMIT THE TIGHT FIT OF BACKING BARS WHERE THEY ARE TO BE USED.

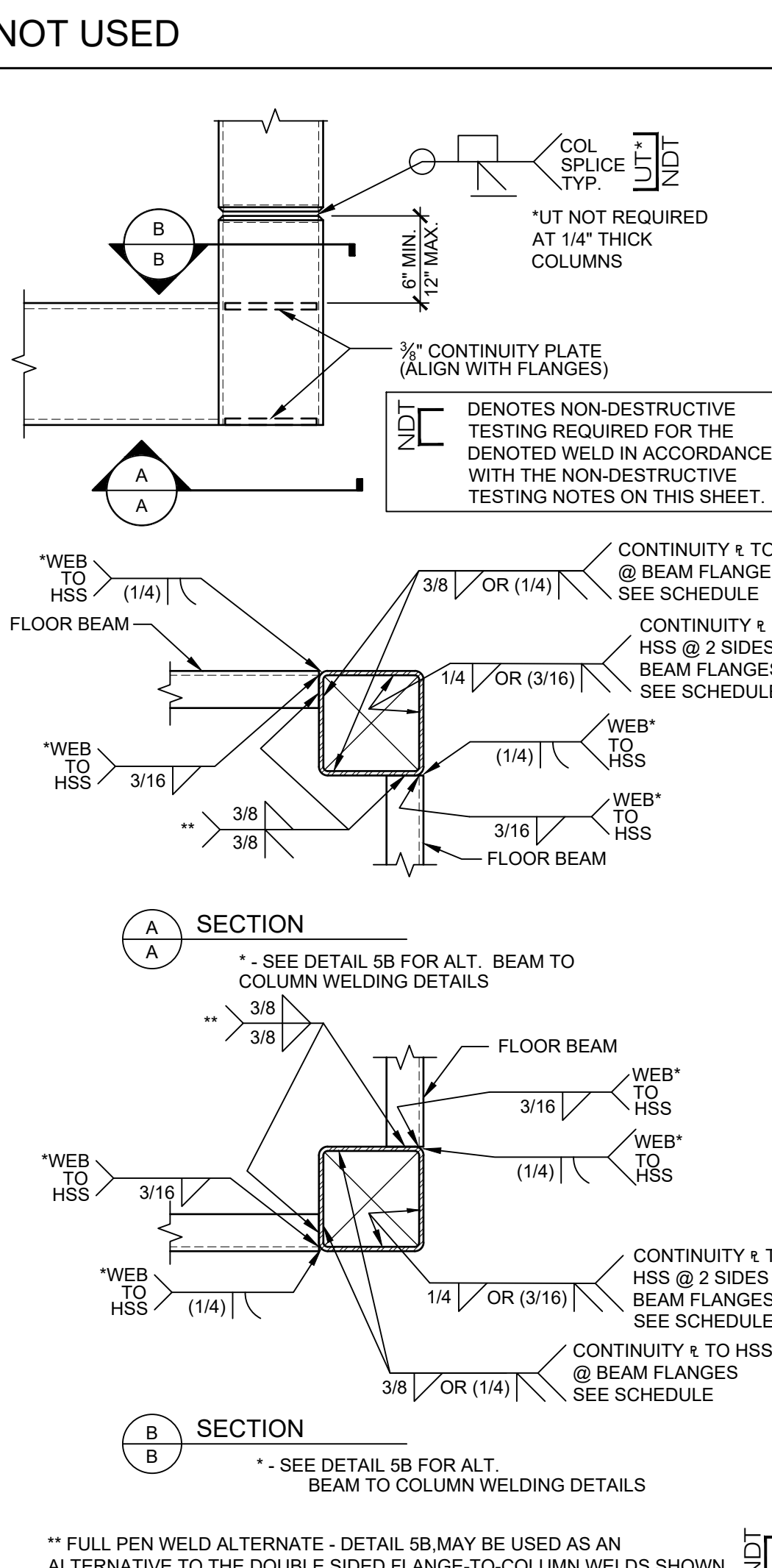
REQ. FOR FR. MOMENT CONNECTIONS



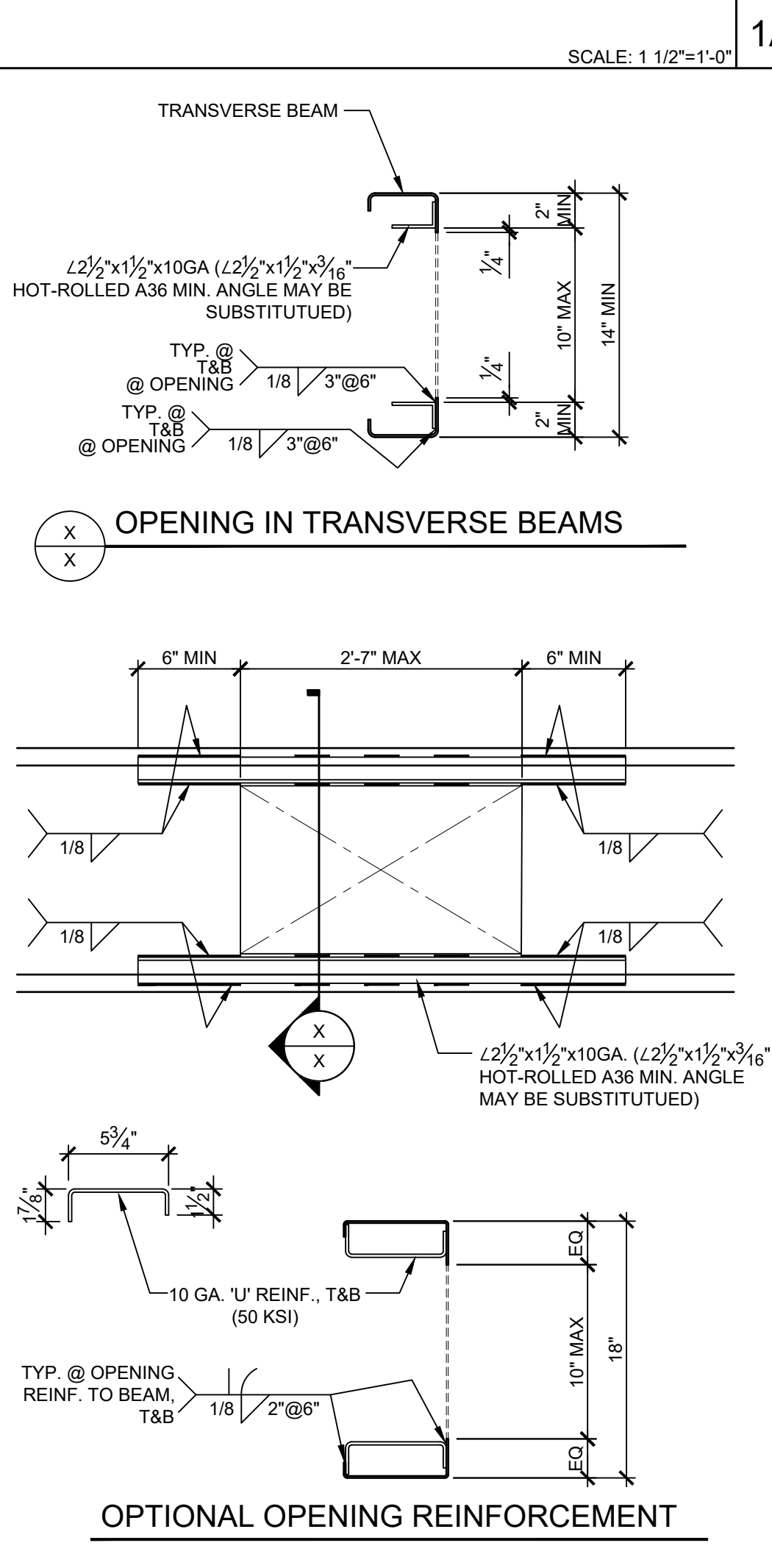
OPENING IN BEAMS SCALE: 1 1/2"=1'-0"



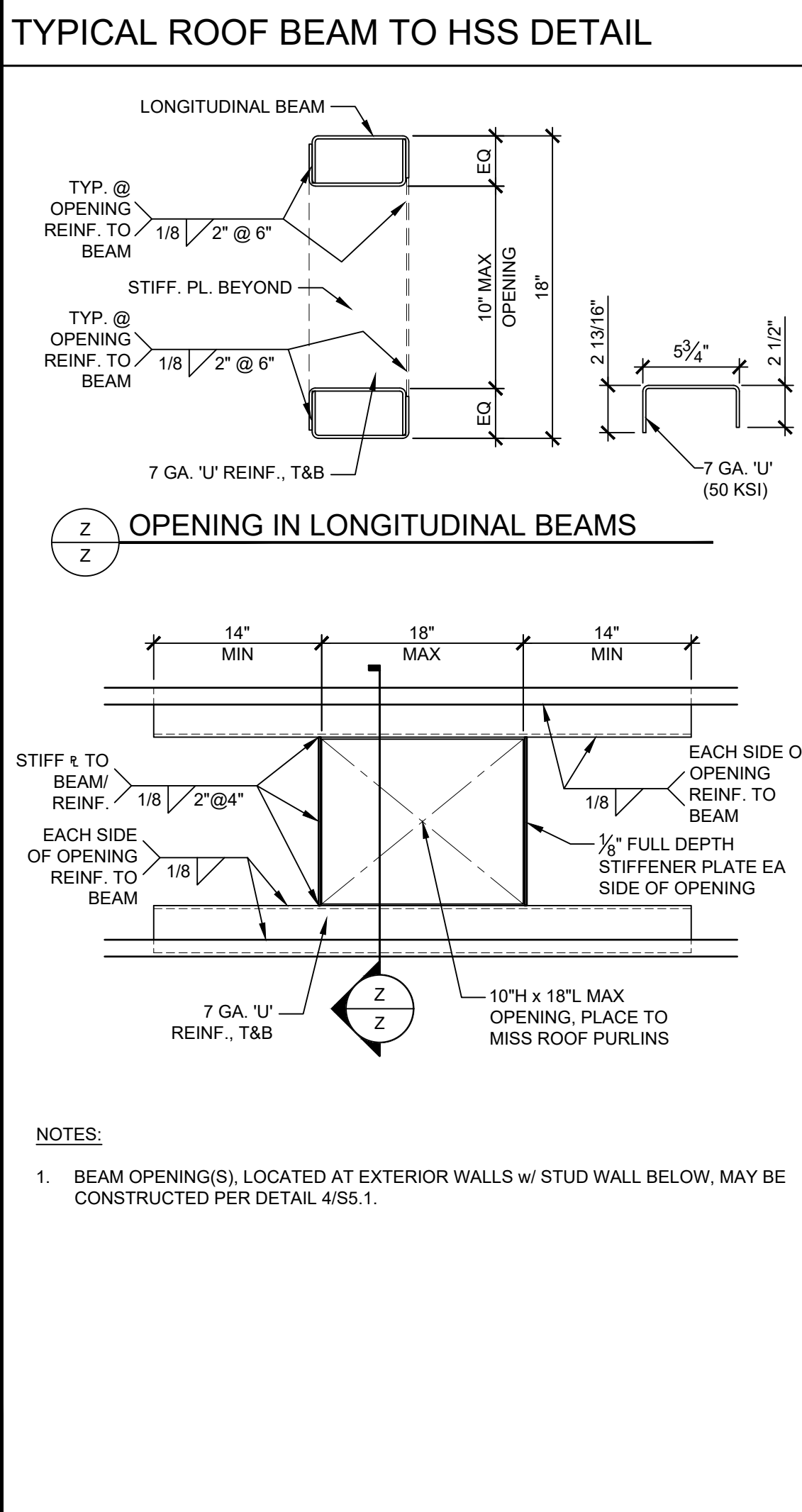
ALTERNATE CORNER DETAIL SCALE: 1 1/2"=1'-0"



TYP. CORNER TO FLOOR BM DETAIL SCALE: 1 1/2"=1'-0"



OPENING @ ROOF BEAMS (TRANSVERSE BEAMS) SCALE: 1 1/2"=1'-0"



OPENING @ ROOF BEAMS (LONGITUDINAL BEAMS) SCALE: 1 1/2"=1'-0"

3

4

5

5B

6

PLEASE RECYCLE



3595001000

ISSUE

DESCRIPTION
ADDENDUM "A"




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PRE-CHECKED SET NAME

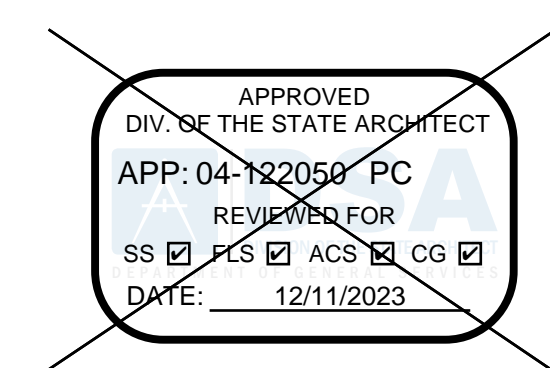
24' x 40' THRU 120' x 40'

STANDARD MODULAR BUILDING
(LOW SEISMIC)

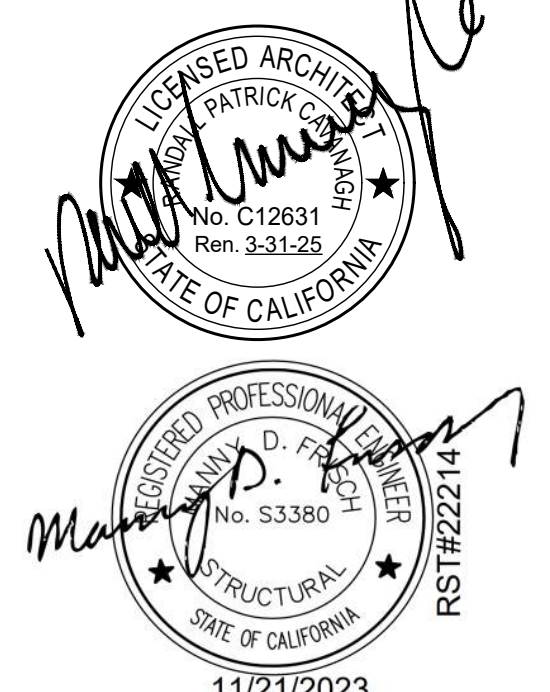
 FORM®

11

GENERAL NOTES



☐ 2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
MANUFACTURER PROFESSIONAL OF RECORD ON P



REVISIONS	
1	Initial Design
2	Revised Design
3	Final Design

REVISIONS

 		FACILITY:
		POET CHRISTIAN ELEMENTARY SCHOOL
		1701 S CENTRAL AVE.
		TRACY, CA 95376

SCALE:	AS NOTED	PROJECT:	
DATE:	MM/DD/YY	POET CHRISTIAN ES - TK CLASSROOM	

WALL FRAMING ELEVATIONS & SCHEDULES	SHEET NAME: WALL FRAMING ELEVATIONS & SCHEDULES - WOOD STUDS
--	--

100

DATE: 04/03/24 CLIENT PROJ NO: 3595001000

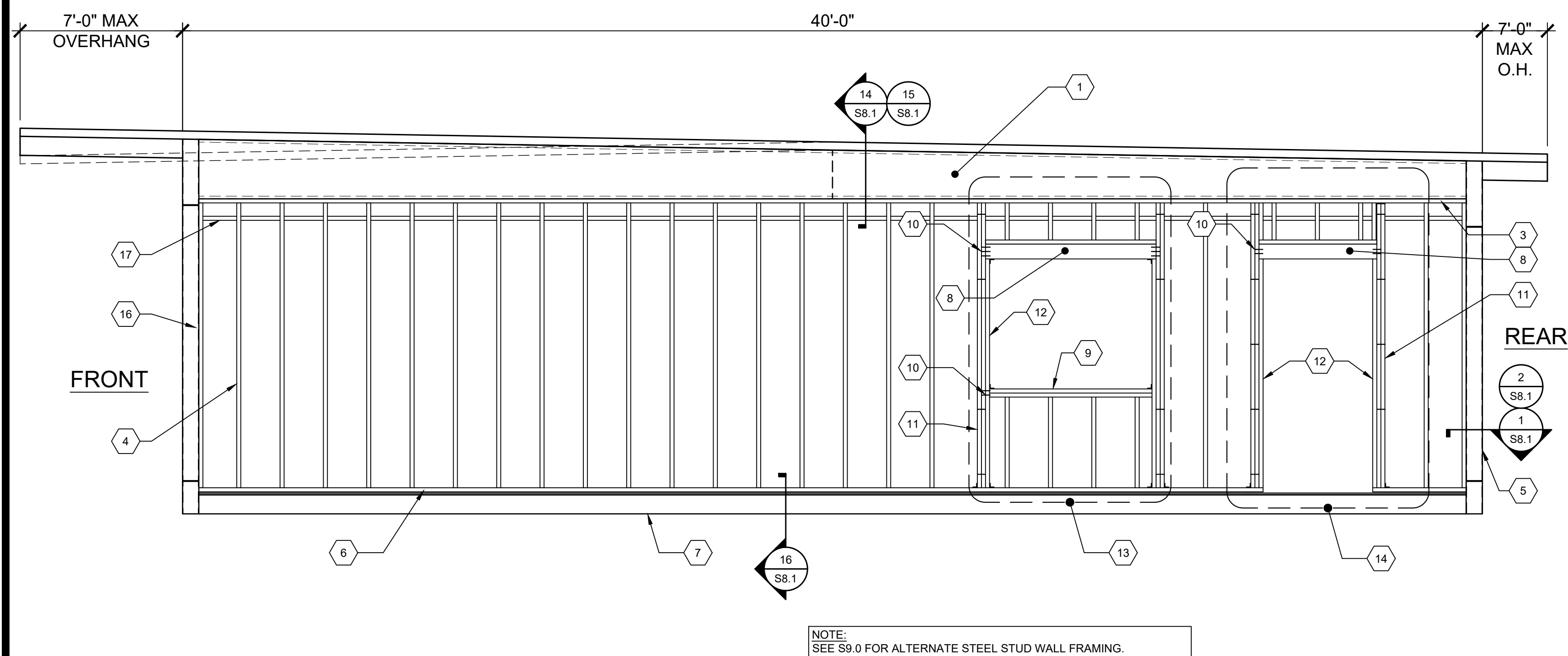
100

S8.0

PLEASE RECYCLE 

ADDENDUM "

ADDENDUM "A"



1	ROOF BEAM PER SHEET S5.0	10	END NAILS THROUGH KING STUD TO HEADER SILL PER OPENING SCHEDULE
2	2x6 MIN. TOP PLATE - NO SPLICE	11	KING STUDS PER OPENING SCHEDULE
3	2x6 MIN. TOP PLATE	12	2x6 MIN. TRIMMER
4	2x6 MIN. STUDS SPACED PER SCHEDULE W(3) 0.131"x0.131"x3" END NAILS OR (4) 0.131"x0.131"x3" TOE NAILS 1&8 TO PLATES TYP.	13	OPTIONAL WINDOW OPENING FRAMING PER SCHEDULE (REFER TO S45.0 FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
5	HSS COLUMN PER SHEET S5.0	14	OPTIONAL DOOR OPENING FRAMING PER SCHEDULE (REFER TO S56.0 FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
6	2x6 MIN. BOTTOM PLATE - NO SPLICE (P.T. AT CONCRETE FLOORS)	15	HVAC OPENING @ EXTERIOR WALL (600"MAX WT.) SEE DETAIL S38.1 FOR HVAC ATTACHMENT - SEE DETAIL S38.1 FOR HVAC ATTACHMENT
6A	2x6 MIN. BOTTOM PLATE (P.T. AT CONCRETE FLOORS)	16	2x DOUBLE NAILER
7	PERIMETER FLOOR BEAM PER SHEET S5.0	17	FIRE BLOCKING @ 10'-0" AFF VERTICALLY, HORIZONTALLY AT THE CEILING AND FLOOR LEVELS.
8	HEADER PER OPENING SCHEDULE		
9	WINDOW SILL PER OPENING SCHEDULE		

NOTE: SEE CARPENTRY NOTES SHEET N1.0 SECTION 6
FOR WOOD CREATES & GRADE

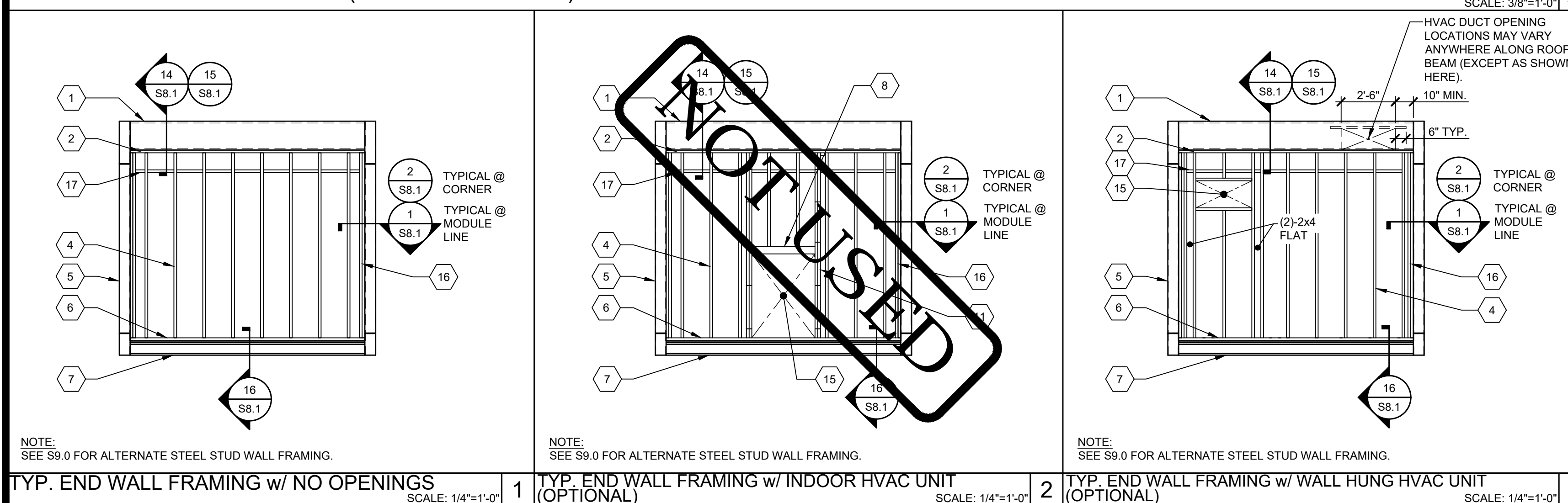
KEY NOTES

EXTERIOR WALL SCHEDULE			
FINISH TYPE	WALL FINISH COMMENTS	STUD TYPE	STUD SPACING
$\frac{5}{8}$ " HARDI-BOARD w/ SYNTHETIC STUCCO OR $\frac{5}{8}$ " HARDI-LAP SIDING	WALL FINISH PER A.4, A.5, A.5.6 & A.5.7	HEM FIR #2 OR DOUG FIR #2	16" O.C. MAX
$\frac{3}{4}$ " PLYWOOD SHEATHING CONFORMING TO PS1-09, APA RATED, 5 PLY / 32"X6", OR $\frac{3}{4}$ " OSB PANELS EXPOSURE 1 w/ $\frac{1}{4}$ " STUCCO	WALL FINISH PER A.5.2 & A.5.3, NAILING PER BLDG SECTION 2.5	HEM FIR #2 OR DOUG FIR #2	16" O.C. MAX

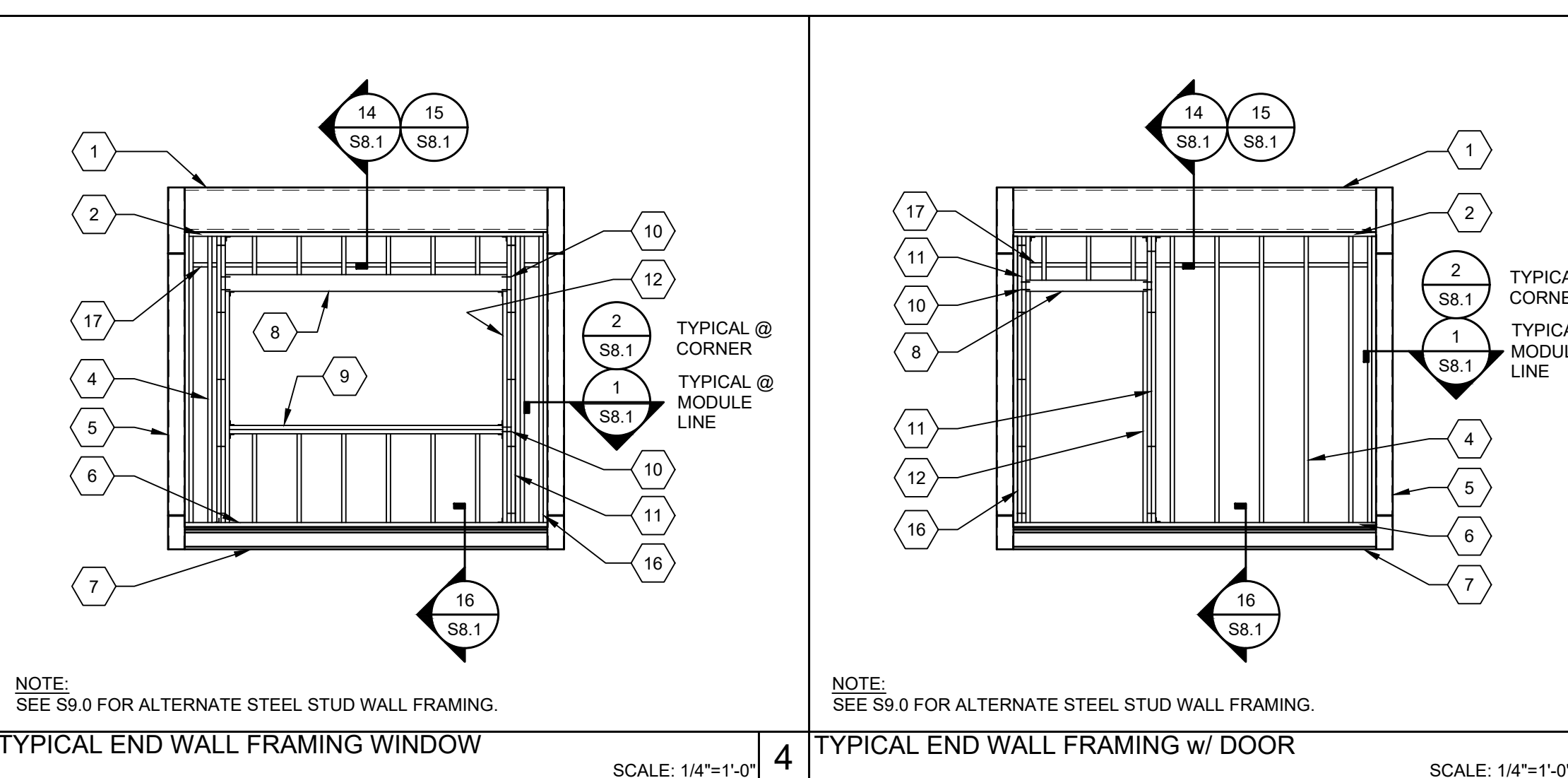
FOOTNOTES

1. ALL NAILS IN EXTERIOR APPLICATIONS SHALL BE GALVANIZED.
2. TYPICAL PLYWOOD NAILING WHERE OCCURS: 0.131"x2 1/4" GALV. NAILS @ 6" O.C. E.N. & 12" O.C. F.N. (ALL EDGES BLOCKED)

TYPICAL SIDE WALL FRAMING (MONO/DUAL PITCH)



EXTERIOR WALL FINISH/WALL STUD SCHEDULE



DOOR/WINDOW OPENING AT TYPICAL WALL (NO STUCCO)								
OPENING SIZE	HEADER	WINDOW SILL ² (AS APPLICABLE)	KING STUDS ¹	KING STUD INTERNAL SPACING	HEADER TO KING STUD NAILING		WINDOW SILL TO KING STUD NAILING	
					# END NAILS 1" KING STUD TO HEADER ³ (0.131"x3"x3" NAILS)	# FACE NAILS KING STUD TO KING STUD TO KING STUD TO HEADER ³ (0.131"x3"x3" NAILS)	# END NAILS 1" KING STUD TO WINDOW SILL ³ (0.131"x3"x3" NAILS)	# FACE NAILS KING STUD TO WINDOW SILL TO WINDOW SILL TO WINDOW SILL ³ (0.131"x3"x3" NAILS)
8'-0" TO 10'-0"	6x6	(2) 2x6	(3) 2x6		6	3	4	2
6'-0" TO 8'-0"	6x6	(1) 2x6	(2) 2x6		5	3	3	2
4'-0" TO 6'-0"	4x6 FLAT	(1) 2x6	(2) 2x6	0.131"x3"x3" NAGLED @ 12"	4	2	3	2
5'-0" OR LESS	4x6 FLAT	(1) 2x6	(2) 2x6		4	2	3	2

DOOR/WINDOW OPENING AT STUCCO WALL								
OPENING SIZE	HEADER	WINDOW SILL ² (AS APPLICABLE)	KING STUDS ¹	KING STUD INTERNAL SPACING	HEADER TO KING STUD NAILING		WINDOW SILL TO KING STUD NAILING	
					# END NAILS 1" KING STUD TO HEADER ³ (0.131"x3"x3" NAILS)	# FACE NAILS KING STUD TO KING STUD WITH HEADER ⁴ (0.131"x3"x3" NAILS)	# END NAILS 1" KING STUD TO WINDOW SILL ⁵ (0.131"x3"x3" NAILS)	# FACE NAILS KING STUD TO KING STUD WITH WINDOW SILL ⁶ (0.131"x3"x3" NAILS)
>8'-0" TO 10'-0"	6x6	(2) 2x6	(3) 2x6		6	3	4	2
>6'-0" TO 8'-0"	6x6	(2) 2x6	(3) 2x6		5	3	4	2
>4'-0" TO 6'-0"	4x6 FLAT	(1) 2x6	(2) 2x6		4	2	3	2
4'-0" OR LESS	4x6 FLAT	(1) 2x6	(2) 2x6	0.131"x3"x3" NAILS @ 12" O.C. MAX STAGGERED				

FOOTNOTES

1. PROVIDE (2) SIMPSON A34 T&B OF KING STUDS TO PLATES FOR OPENINGS GREATER THAN 4'-0". PROVIDE (1) SIMPSON A34 T&B OF KING STUDS TO PLATES FOR OPENINGS 4'-0" OR LESS.
2. WHEN MORE THAN A SINGLE SILL PLATE IS REQUIRED, INTERNAL W/ 0.131"x0.3" NAILS @ 12" O.C. STAGGERED
3. TWO (2) END NAILS PER LAMINATION MINIMUM.

OPENING SCHEDULE

Autodesk Docs: 13595001000 TUSD TK CLASSROOMS 2025 822-3595001000-A-TUSD-BOHN-SITE-M
12/2/2024 8:56:44 AM

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PROJECT OR DESIGN. SEE THE
PROJECT FOR THE FINAL DESIGN.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122977 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 03/12/2025



HMC Architects

3595001000

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

ISSUE

DESCRIPTION	DATE
ADDENDUM "A"	3/20/25

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

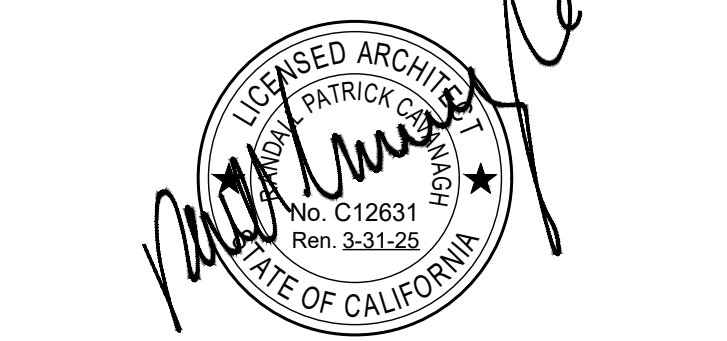
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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)

SITE SPECIFIC PROJECT NAME
.

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122050 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 12/11/2023

2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PRE-CHECK AND CHECKLIST FOR CONSTRUCTION IS REQUIRED.
MANUFACTURER PROFESSIONAL OF RECORD ON PC



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REVISIONS

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE
TYPICAL REFLECTED CEILING PLAN

SHEET NUMBER

M1.0

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
TYPICAL REFLECTED CEILING PLAN

DATE: 04/03/24
CLIENT PROJ NO: 3595001000
SHEET:

M1.0
ADDENDUM "A"

PLEASE RECYCLE

- MAIN TEE RUNNER TYP. PER TABLE A, SHEET M1.7
- CROSS TEE RUNNER TYP. PER TABLE A, SHEET M1.7
- INTERIOR LIGHT FIXTURE. REFER TO SHEET SHEET E1.0 FOR SPEC'S ATTACHMENT PER DETAIL 7M1.4
- CEILING HEIGHT @ 8'-0" MIN.
- STRUT/SPRAY WIRE ASSEMBLY. SEE 2/M1.4 FOR DETAILS
- FIXED CEILING END. SEE DETAIL 5A/M1.4
- FREE CEILING END. SEE DETAIL 5B/M1.4
- CENTER SECTION THAT CROSSES MODULE LINE TO BE FIELD INSTALLED. SEE DETAIL 5C/M1.4
- TYP. HVAC UNIT
- OPTIONAL DOLA-TUBE - SEE DETAIL 1/M1.6

KEY NOTES

- WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTO SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.
- AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN ALL OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE DIRECT ACCESS TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. PER C.M.C. 608.1 EXCEPTION #2.
- LIGHT FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.
- PC TITLE 24 HAS BEEN RUN FOR WORSE CASE OUTDOOR VENTILATION REQUIREMENTS (SEE OUTDOOR VENTILATION ON SHEET N2.0 FOR OUR OUTDOOR VENTILATION DESIGN REQUIREMENT NOTES)
- ACCEPTANCE TESTING PER ENERGY CODE SECTION 10-103.
- ACCEPTANCE TESTS TO BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF MECHANICAL SYSTEMS BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.

GENERAL NOTES

MEP COMPONENT ANCHORAGE NOTES

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.1.25 AND ASCE 7-16 CHAPTER 13.25 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- 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 10/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- 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 REFERENCE 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:

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 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. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FORMS 3 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

MP ☒ MD ☒ PP ☒ E ☒ OPTION 1: DETAIL ON THE APPROVED DRAWINGS WITH PROJECT SPECIALS.

MP ☐ MD ☐ PP ☐ E ☐ OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED FORM #

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL BUILDING WIDTH ¹
<input type="checkbox"/> 24'x40'	2	0	23'-8½"
<input type="checkbox"/> 36'x40'	3	1	35'-6¾"
<input type="checkbox"/> 48'x40'	4	2	47'-5"
<input type="checkbox"/> 60'x40'	5	3	59'-3¼"
<input type="checkbox"/> 72'x40'	6	4	71'-1½"
<input type="checkbox"/> 84'x40'	7	5	82'-11¾"
<input type="checkbox"/> 96'x40'	8	6	94'-10"
<input type="checkbox"/> 108'x40'	9	7	106'-8¼"
<input type="checkbox"/> 120'x40'	10	8	118'-6½"

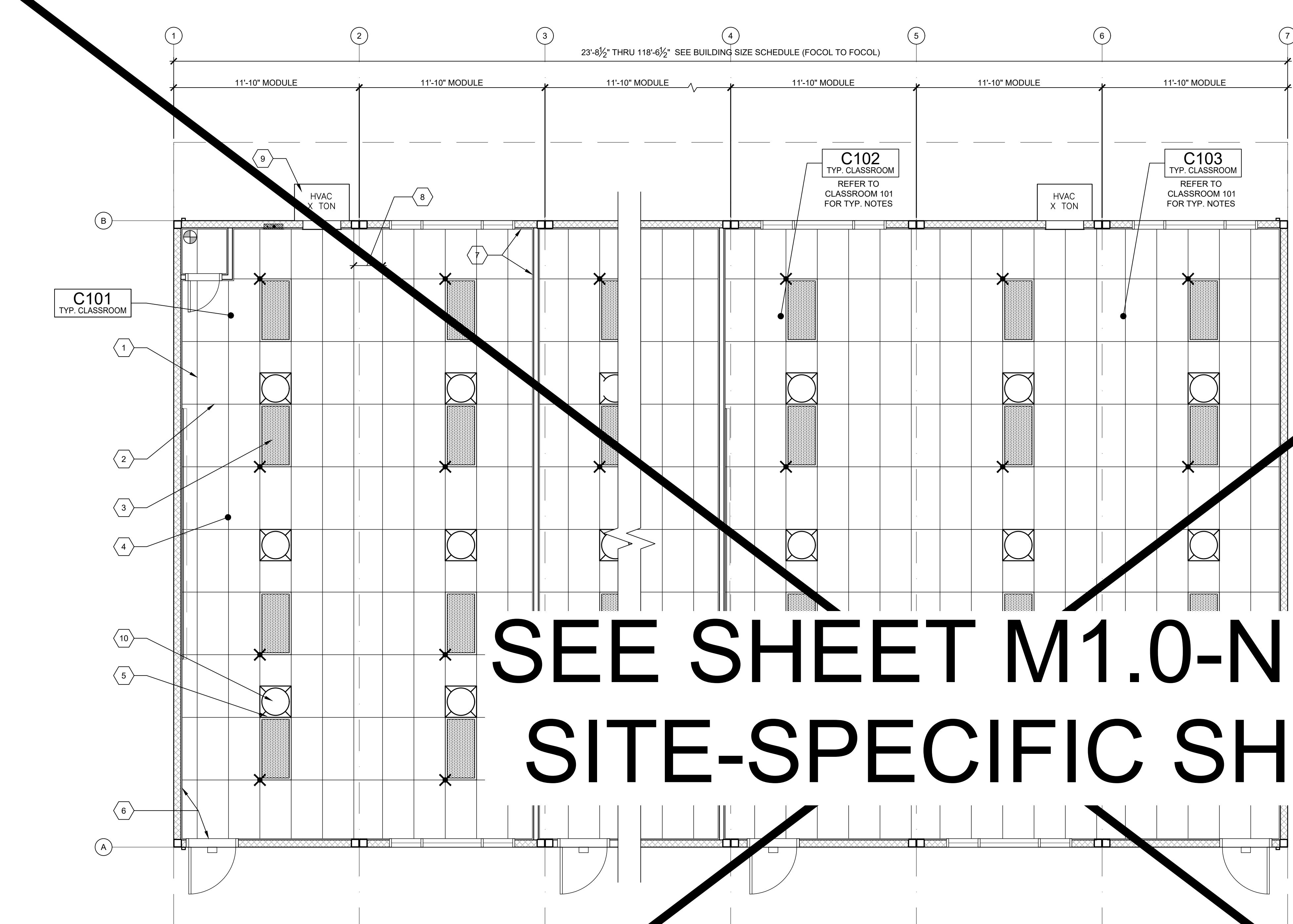
NOTES:

- TOTAL BUILDING WIDTH INCLUDES ½" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.0, S1.1, S1.2, & S1.3

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

1

SEE SHEET M1.0-N FOR
SITE-SPECIFIC SHEET



TYPICAL REFLECTED CEILING PLAN

NOT USED

NOT USED

NOT USED

BUILDING SIZE SCHEDULE

MEP COMPONENT ANCHORAGE NOTES



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3595001000

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SACRAMENTO, CA 95816
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ISSUE	
DESCRIPTION	DATE
ADDENDUM 'A'	3/20/25

KEYNOTES

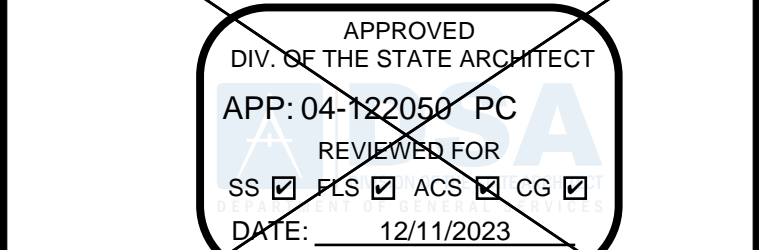
GENERAL NOTES



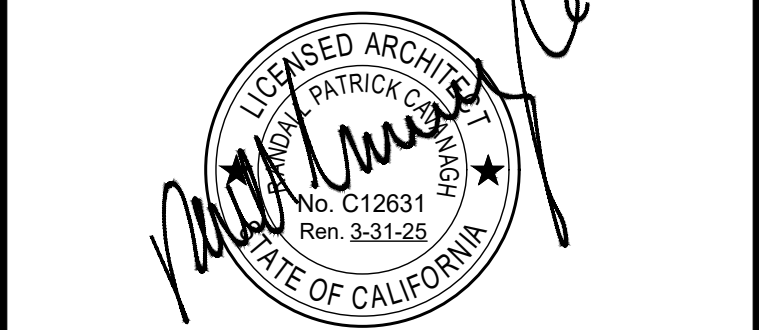
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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)
FORM

SITE SPECIFIC PROJECT NAME



2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PRE-CHECK AREA CANNOT BE CONSIDERED AS REQUIRED
MANUFACTURER PROFESSIONAL OF RECORD ON PC



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REVISIONS	
1	
2	
3	
4	

DRAWN BY: AA
SCALE: AS NOTED
DATE: MMDDYY
PROJECT NO: XXXX-22
SHEET TITLE:

MECHANICAL
AND CEILING
DETAILS

SHEET NUMBER:

M1.4

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
MECHANICAL AND CEILING DETAILS

DATE: 04/03/24
CLIENT PROJ NO: 3595001000
SHEET:

M1.4
ADDENDUM 'A'

CONCEALED SUPPLY AIR DUCT ABOVE T-BAR CEILING

TYPICAL 4-WAY SUPPLY AIR REGISTERS

DIRECT AIR RETURN TO HVAC UNIT WITH GRILL

STUB-OUT CONDENSATE DRAINAGE LINE BELOW UNIT FOR CONTINUATION BY OTHERS

HVAC UNIT

8'-6" CEILING LINE

SCALE: 3/16" = 1'-0"

1

8" MAXIMUM OR 1/4 OF THE LENGTH OF THE END RUNNER WHICHEVER IS LESS

ALTERNATE WIRE DIRECTION AT ENDS

#12 GA. HANGER WIRES 4'-0" O.C. MAX. (SHOULD BE ATTACHED TO MAIN RUNNER OR CROSS T AS APPROPRIATE)

MIN OF 3 TIGHT TURNS WITHIN 3" TYP.

POP RIVET

FIRE BLOCKING REQUIRED PER CBC 718.2.2, TYP.

2"x2" WALL ANGLE ATTACHED W/ #8 SCREWS TO EA. STUD (WOOD SCREW W/ 1/2" MIN PENETRATION @ WOOD STUD, SDSTS @ METAL STUD) OR ALTERNATE: ARMSTRONG BERC2 CLIP WITH 1-1/4" MIN. X 0.024" (25 GA MIN.) THICKNESS WALL ANGLE TYPICAL AT EACH END PER ICC REPORT ESR-1308 SEE 5D/-

FIBER GLASS BATT INSULATION SECURED IN PLACE PER CBC 718.2 FOR FIRE BLOCKING TYP.

A FIXED END

8" MAXIMUM OR 1/4 OF THE LENGTH OF THE END RUNNER WHICHEVER IS LESS

ALTERNATE WIRE DIRECTION AT ENDS

#12 GA. HANGER WIRES 4'-0" O.C. MAX. (SHOULD BE ATTACHED TO MAIN RUNNER OR CROSS T AS APPROPRIATE)

6 MIN

3/4" CLR

ACoustic BOARD

0.024" MIN. THICK ANGLE WITH POP RIVET TO EACH T-BAR NO CONNECTION TO WALL ANGLE

2"x2" WALL ANGLE ATTACHED W/ #8 SCREWS TO EA. STUD (WOOD SCREW W/ 1/2" MIN PENETRATION @ WOOD STUD, SDSTS @ METAL STUD) OR ALTERNATE: ARMSTRONG BERC2 CLIP WITH 1-1/4" MIN. X 0.024" (25 GA MIN.) THICKNESS WALL ANGLE TYPICAL AT EACH END PER ICC REPORT ESR-1308 SEE 5D/-

CONT. SLOTTED ANGLE STABILIZER BAR W/ HORIZ. 8d RINGSHANK NAIL (PER IR 25-2) OMIT STRUT WHERE RUNNER IS WITHIN 8" OF WALL

ATTACH WIRE END TO 1/2" DIA. SCREW EYE SHANK IN DIRECTION OF WIRE 1/2" MIN. FULL THREAD PENETRATION

3/4" CLR

FIRE BLOCKING @ 8'-0"-10'-0" ABV. FIN. FLR. @ WALLS EXCEEDING 10'-0" IN HEIGHT PER CBC 718.2.2 TYP.

NOTE: NAILS AT THE END OF HORIZONTAL STRUTS ARE TO BE PLACED WITH NAIL HEAD TOWARD CENTERLINE OF SPAN OF STRUT.

2"x2" MIN WALL ANGLE

B FREE END

HANGER WIRE

23" +/-

VARIES

MOD LINE

26 GA. STRAP W/ (2) #8 TEKs SCREWS EA. END

ALT. POP RIVET

(1) #8 SCREW AT CENTER OF SLOTTED HOLE @ FREE END ONLY

(2) #8 SCREWS BERC2 CLIP TO WALL ANGLE

ALTERNATE ARMSTRONG BERC2 CLIP WITH 7/8" MIN WALL ANGLE PER ICC REPORT ESR-1308

(1) #8 SCREW AT FIXED HOLE @ FIXED END ONLY

C RUNNER SPLICE AND CEILING CONNECTION @ MODULE LINE

D ALTERNATE BERC2 CLIP DETAIL

1/2"x3'-11" MAX EMT & 3/4"x8'-4" MAX PIPE STRUT, SPACING PER TABLE BELOW FASTEN TOP OF PIPE STRUT W/ (2) #10x1" SHEET METAL SCREWS TO PURLIN INDICATED ON PLAN AS: X

NOTE: HANGER FOR THE COMPRESSION STRUT SHALL NOT REPLACE THE VERTICAL HANGER

#12 GA. VERTICAL WIRE w/ 3 TIGHT TURNS WITHIN 3" @ EACH END, ATTACHED ABOVE PER 12/-

45° MAX. TYP.

MAIN RUNNERS

SLOTTED EMT PIPE w/ (2) #10x3/4" HEXHEAD SELF TAPPING SCREW TO MAIN RUNNER

CROSS RUNNERS

2" MAX FROM BRACING WIRES TO COMPRESSION STRUT & CROSS RUNNER, TYP.

NOTES:

1. MAXIMUM BRACE SPACING SHALL BE PER ADJACENT SCHEDULE.
2. THERE SHALL BE A BRACE ASSEMBLY A DISTANCE OF NOT MORE THAN ONE HALF OF THE ABOVE SPACING FROM EACH SURROUNDING WALL, EXPANSION JOINT AND AT THE EDGES OF ANY CEILING VERTICAL OFFSET. FOR EXAMPLE, WHERE THE BRACE SPACING IS 8'x12", THE DISTANCE SHALL BE 4 FEET IN THE DIRECTION OF THE 8 FOOT SPACING AND 6 FEET IN THE DIRECTION OF THE 12 FOOT SPACING. FOR FURTHER INFORMATION REFER TO SPECIFICATIONS ON SHEET M1.7.

BRACING SCHEDULE	
SITE SPECIFIC S _{DS} (PER SHEET 15)	MAX. SPACING
<input type="checkbox"/> S _{DS} ≤ 1.15	12'x12'
<input type="checkbox"/> 1.15 ≤ S _{DS} ≤ 1.73	8'x12'
<input type="checkbox"/> S _{DS} > 1.73	6'x6'

NOT TO SCALE

2

ROOF CURB SEAL DETAIL

SCALE: N.T.S.

4

SUSPENDED CEILING ATTACHMENT DETAILS

SCALE: 1-1/2" = 1'-0"

5

NOT TO SCALE

6

WATER HEATER STRAP DETAIL

NOT TO SCALE

7

LIGHT FIXTURE ATTACHMENT

NOT TO SCALE

8

CEILING DRAFT STOP DETAIL

SCALE: 1-1/2" = 1'-0"

NOT TO SCALE

9

INTERIOR HVAC ANCHORAGE

NOT TO SCALE

10

WALL MOUNT HVAC ANCHORAGE

NOT TO SCALE

11

OPTIONAL HVAC ROOF CURB

NOT TO SCALE

12

SUSPENDED CEILING TO PURLIN CONNECTION DETAILS

NOT TO SCALE

THE LINE SHOWN ABOVE IS
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DESCRIPTION	DATE
ADDENDUM "A"	3/20/25



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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)



SITE SPECIFIC PROJECT NAME

GENERAL NOTES

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122050 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 12/11/2023

2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE DOCUMENT ATTACHED TO THE CONSTRUCTION SET (SEE SET)

MANUFACTURER PROFESSIONAL OF RECORD ON PC

USED ARCHITECT
PATRICIA C. BOHN
No. C12631
Ren. 3-31-22
STATE OF CALIFORNIA

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FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
MECHANICAL & CEILING DETAILS

DATE: 04/03/24

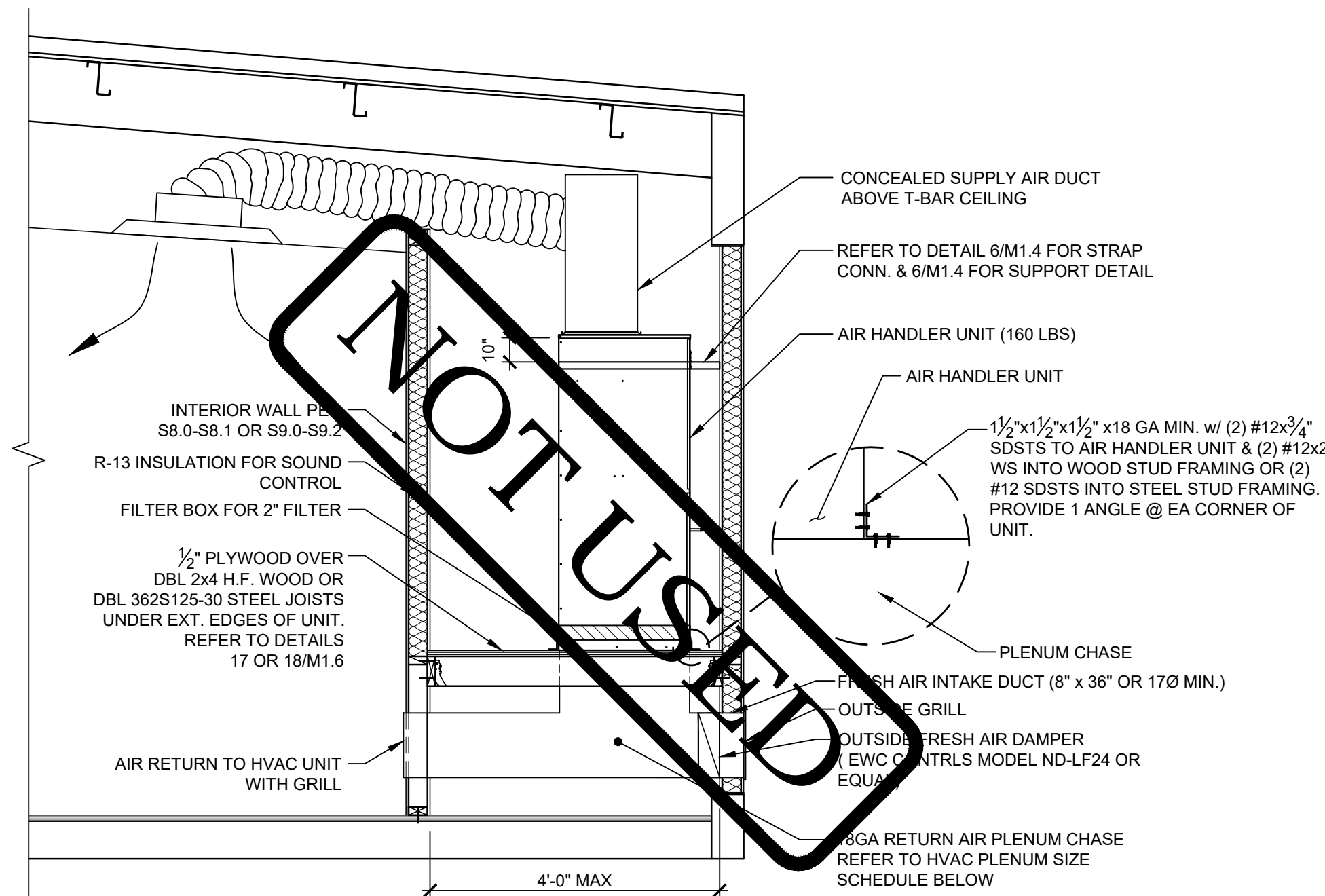
CLIENT PROJ NO.: 3595001000

SHEET:

M1.5

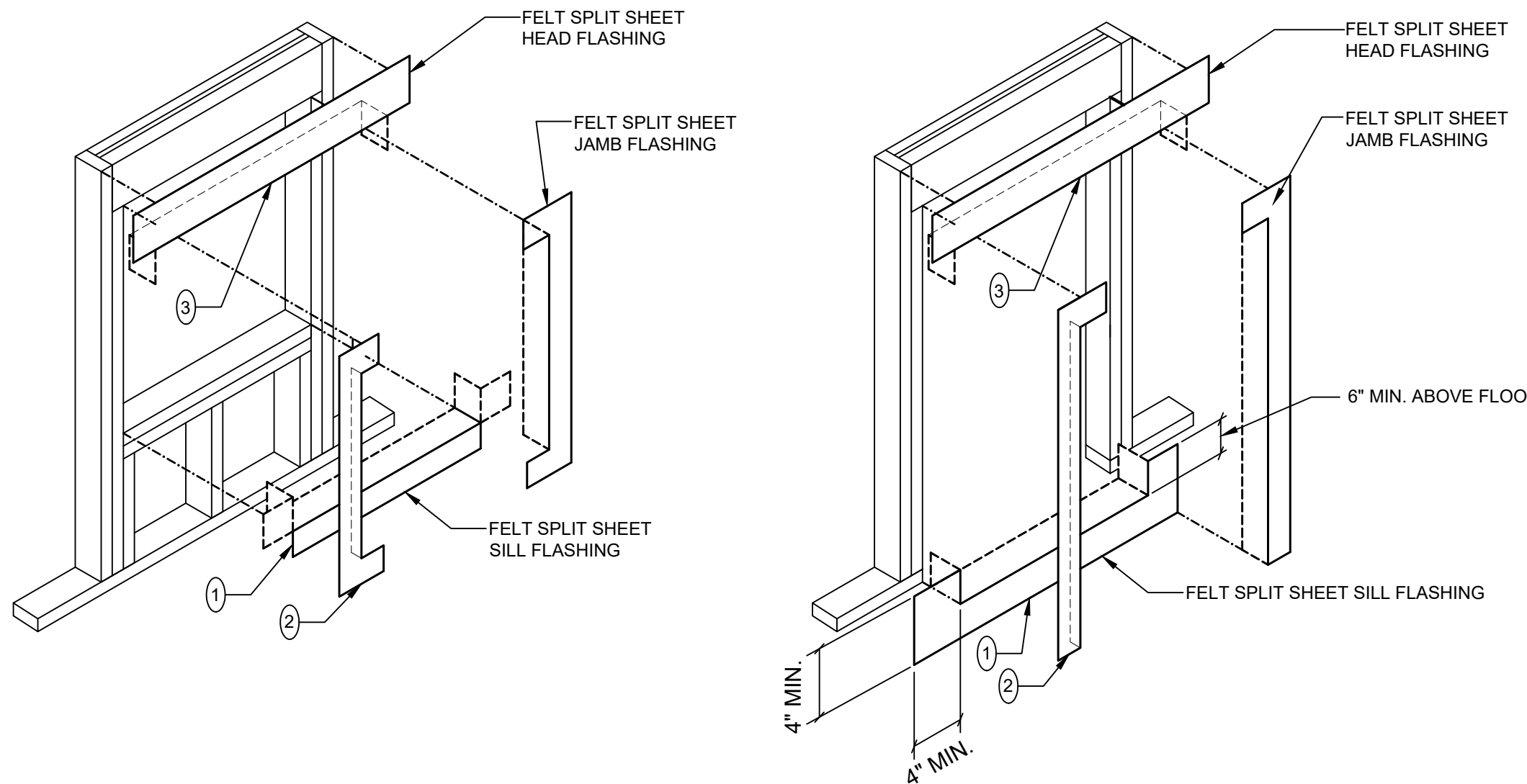
ADDENDUM "A"

PLEASE RECYCLE



HVAC PLENUM SIZE SCHEDULE			
HVAC SIZE	MIN RETURN SIZE	MIN SUPPLY SIZE	
3 TON	10 1/2" x 11"	10 1/2" x 11"	
3 1/2" TON	10 1/2" x 12"	10 1/2" x 12"	
4 TON	22 1/2" x 12"	22 1/2" x 12"	
5 TON	22 1/2" x 14"	22 1/2" x 14"	

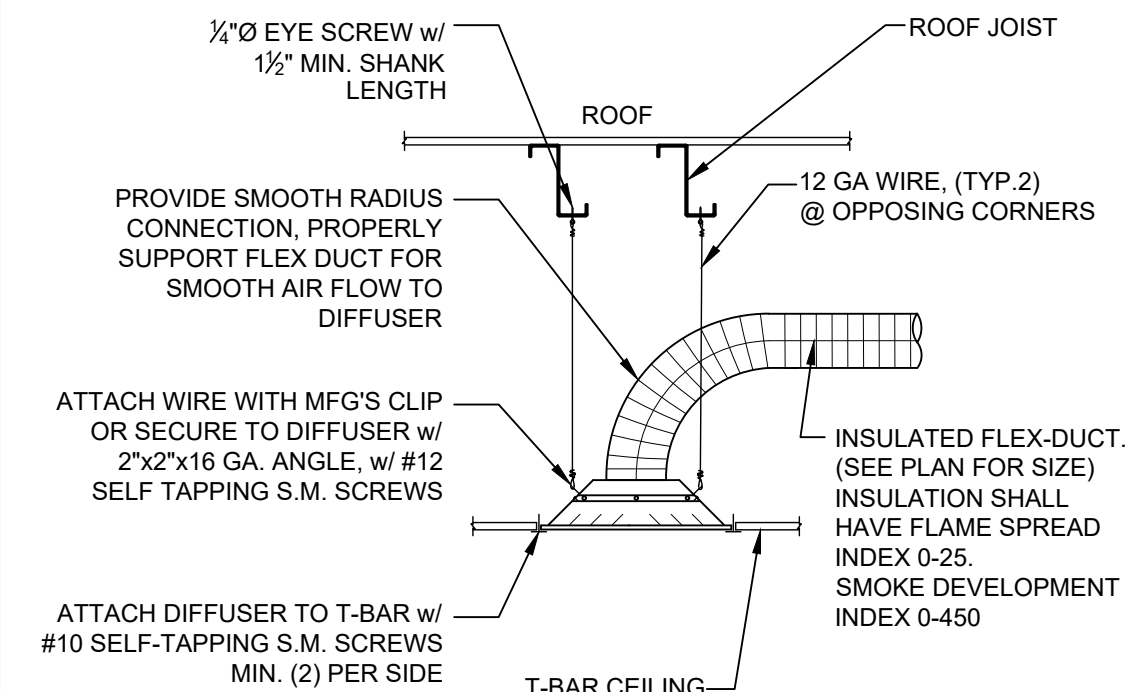
NOTE: OUTSIDE AIR DUCT MUST INCLUDE A DAMPER THAT WILL FULLY CLOSE WHEN INDOOR FAN SHUTS DOWN PER SECTION 120.2(F).



WINDOW CONDITION

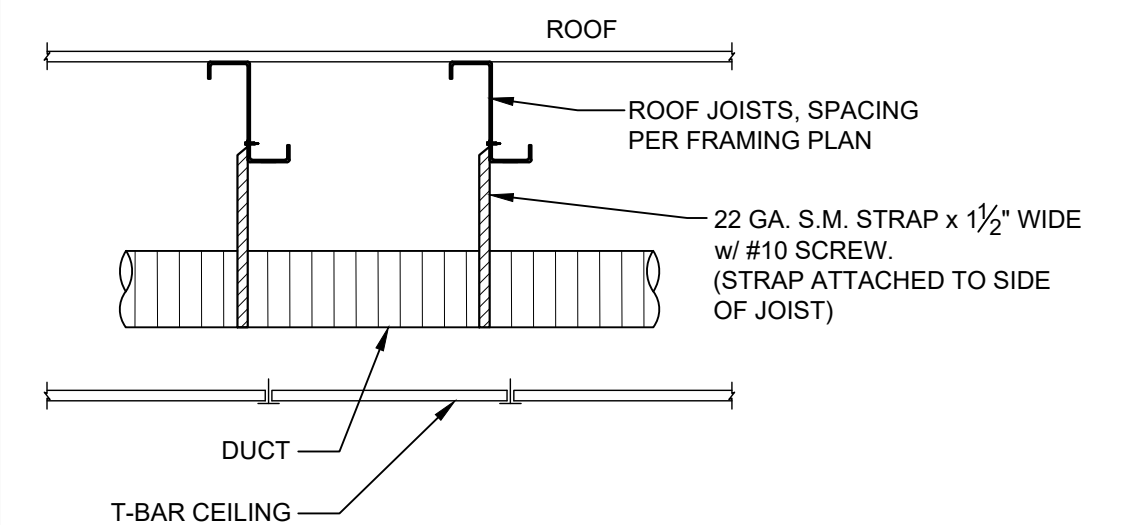
DOOR CONDITION

(#) = SEQUENCE OF ORDER

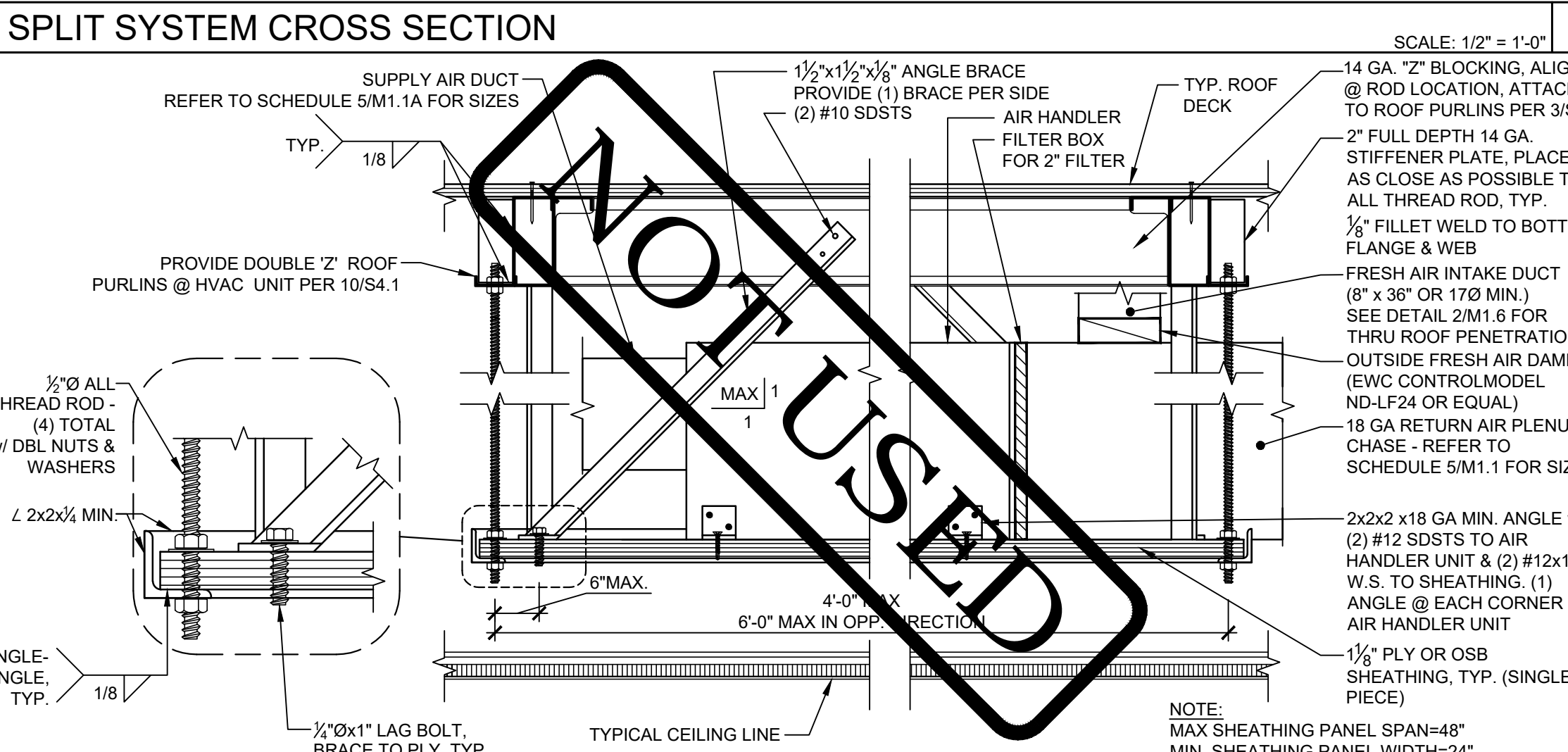


REGISTER MOUNTING DETAIL

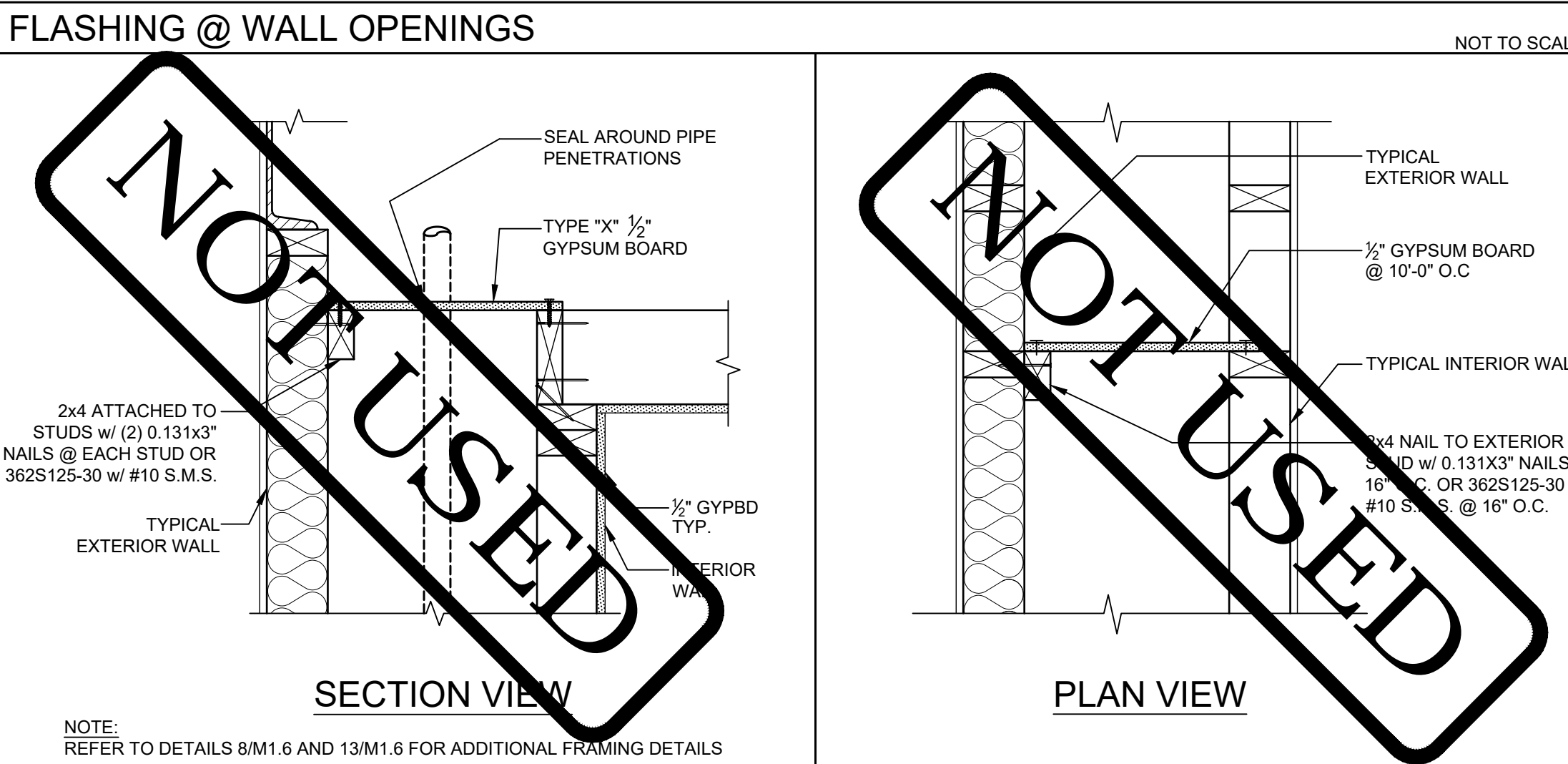
- NOTES:
- DUCTWORK SHALL BE SUPPORTED FROM ROOF JOISTS AT 4'-0" O.C. MAX TO ELIMINATE SAGGING.
 - FLEX DUCT (5'-0" MAX LENGTH) SHALL BE PULLED TIGHT TO ELIMINATE SAGGING.
 - DUCT TO PLENUM ATTACHMENT SHALL BE (3) #8 SCREWS & COVERED WITH 367-17 TAPE (UL181B-FX).
 - FOR DUCT ATTACHMENT TO DIFFUSER - SEE DETAIL 7/-.
 - ALL DUCTS TO BE SEALED WITH 367 MASTIC TAPE. OUTSIDE OF THE INSULATING LINER ON THE FLEX DUCT TO BE SEALED WITH 558CA CODE APPROVED DUCT TAPE.



FLEX DUCTING SUPPORT DETAIL

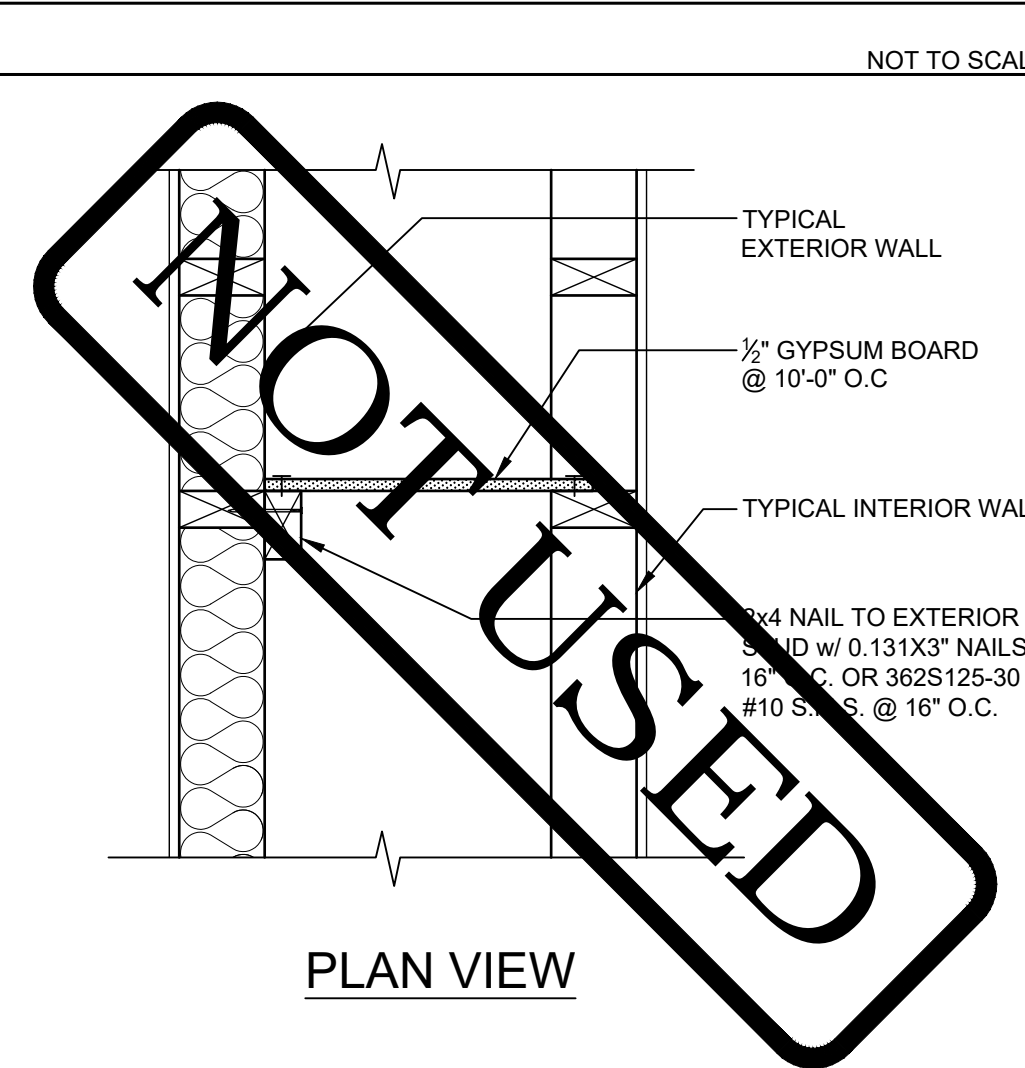


HVAC ATTIC MOUNTED SPLIT SYSTEM

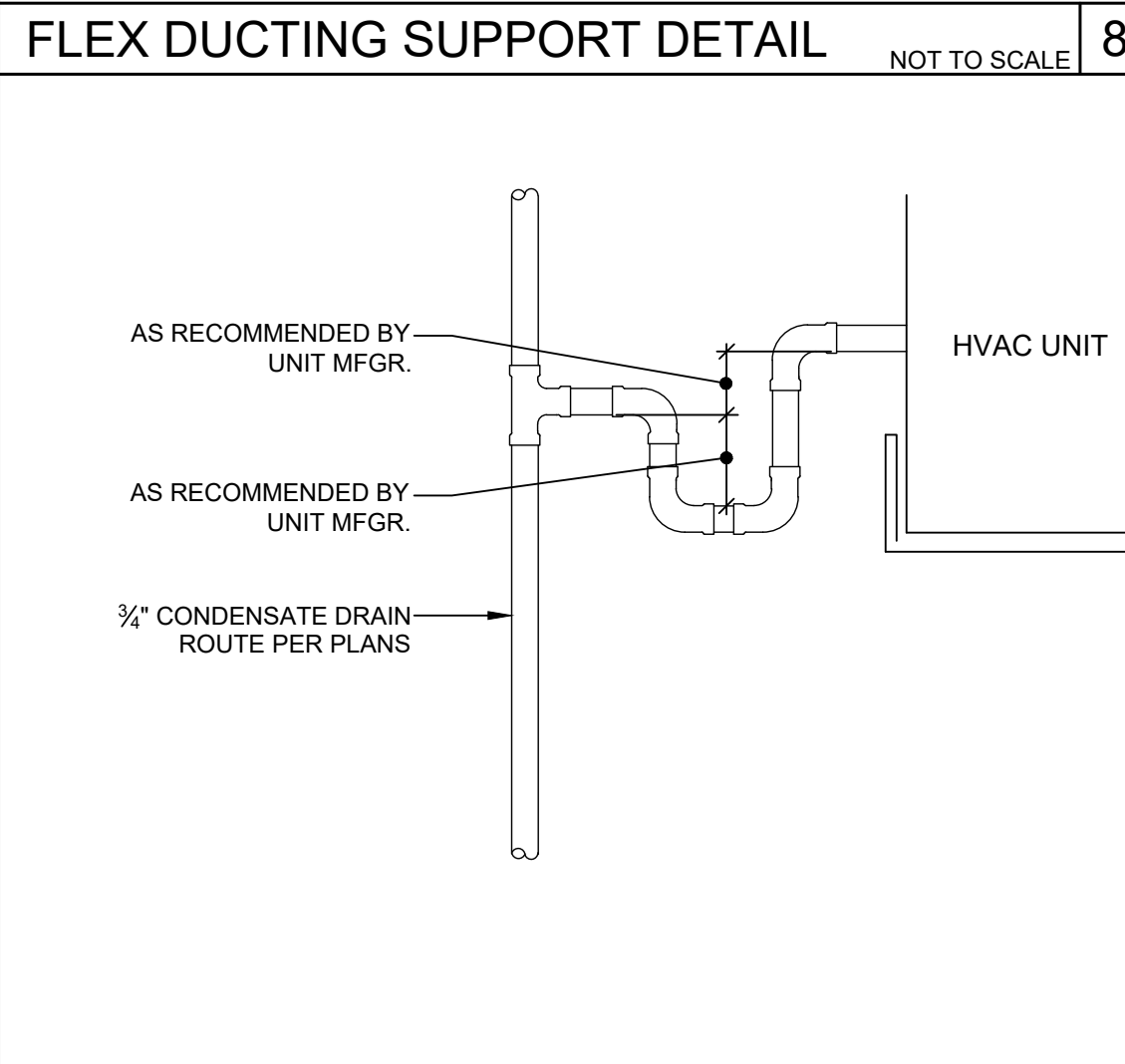


FLASHING @ WALL OPENINGS

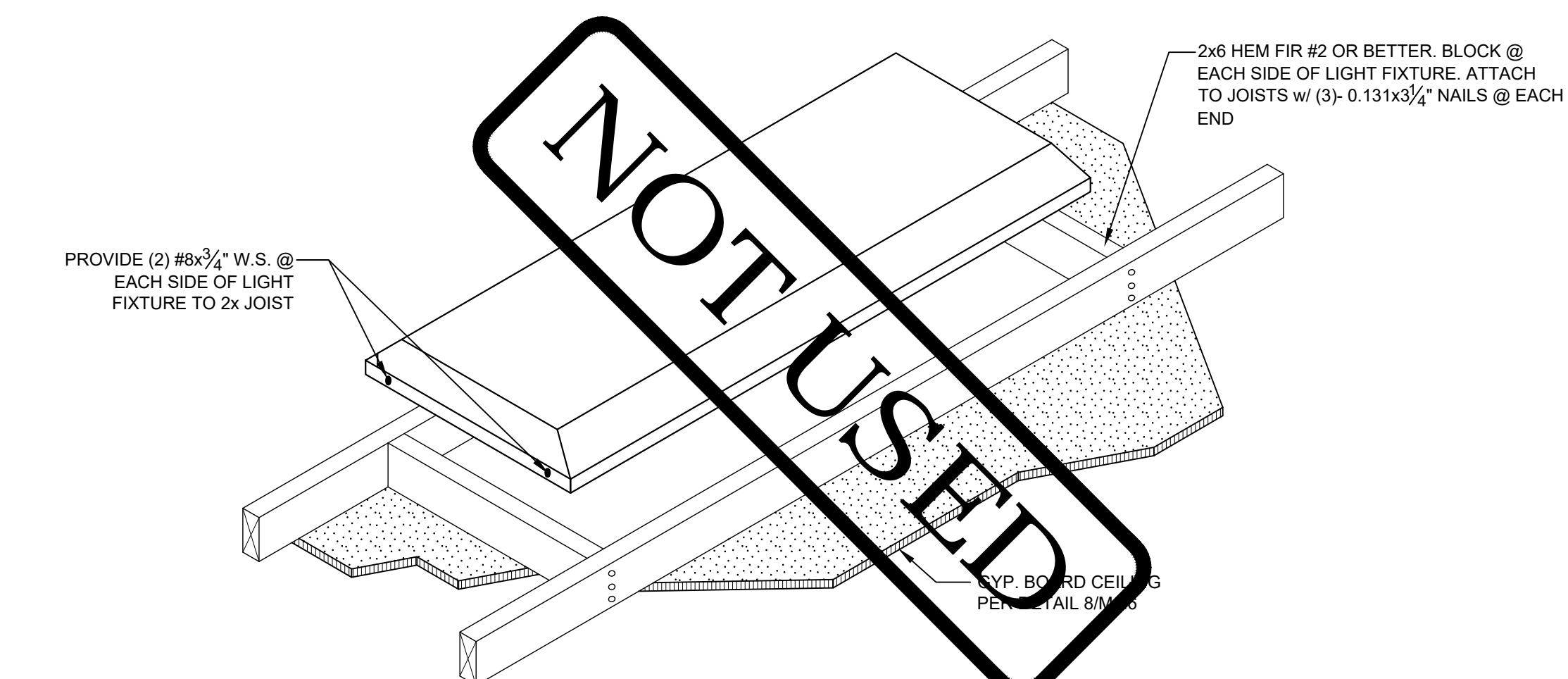
DRAFT STOP @ PLUMBING CHASE



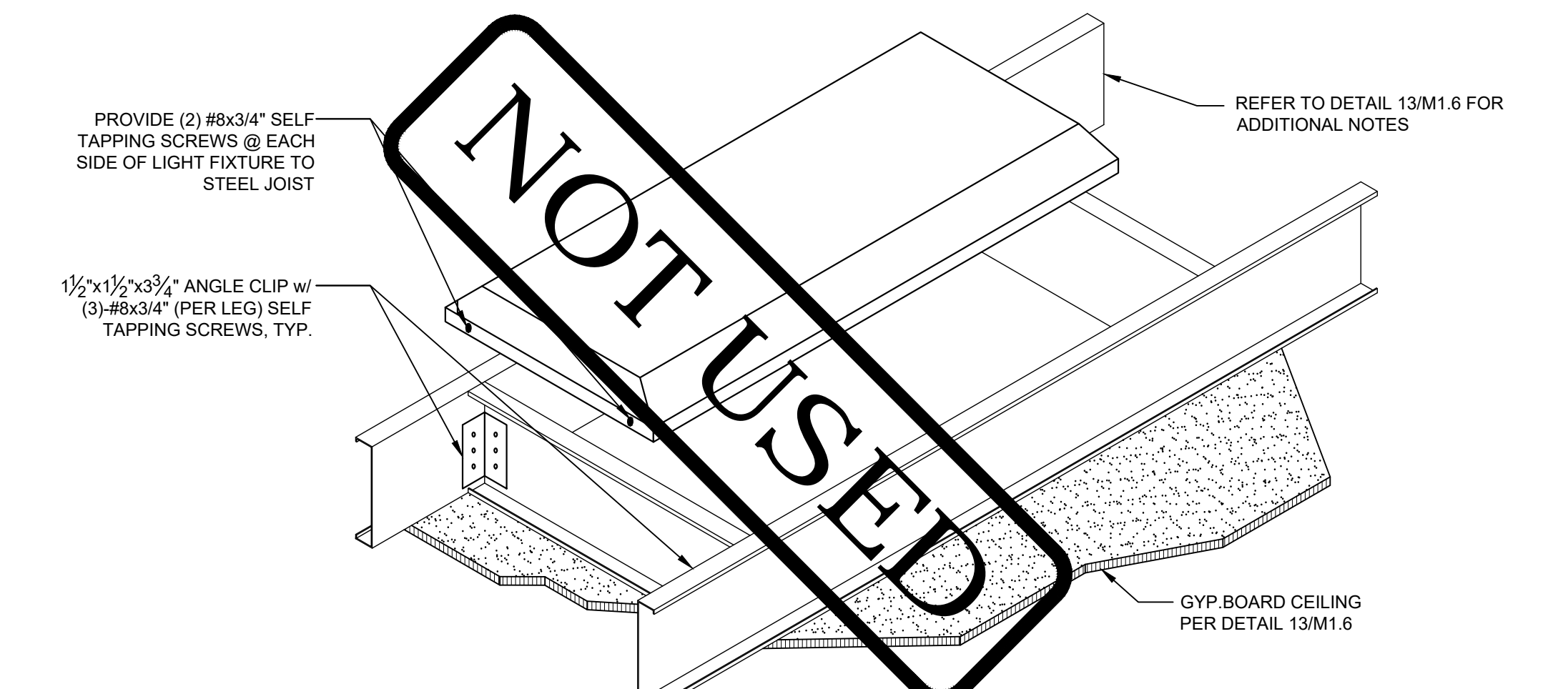
PLAN VIEW



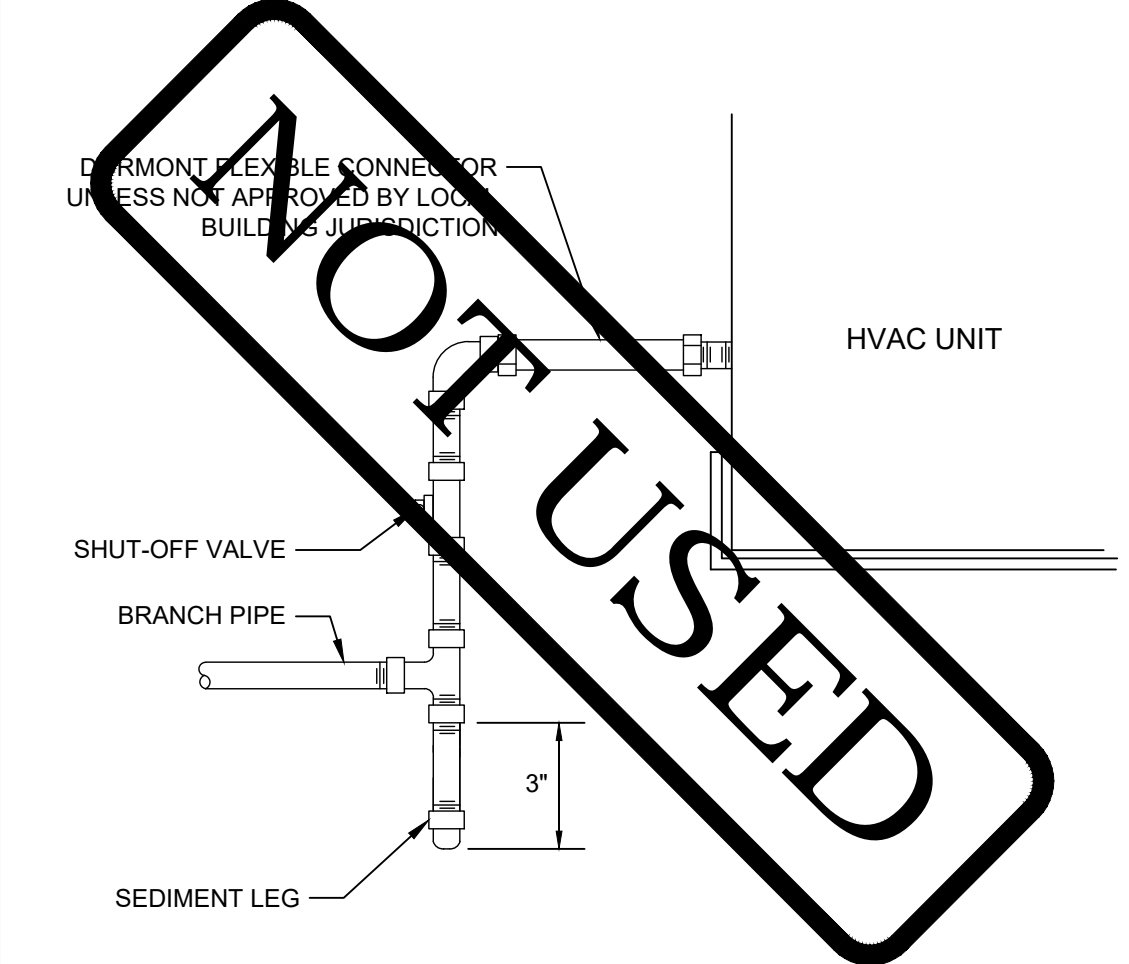
CONDENSATE DETAIL



LIGHT FIXTURE ATTACHMENT DETAIL



LIGHT FIXTURE ATTACHMENT DETAIL w /METAL STUDS



GAS CONNECTION DETAIL

M1.5

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 02-122977 INC:

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 03/12/2025



HMC Architects

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SACRAMENTO, CA 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

DESCRIPTIONDATE

ADDENDUM "A"3/20/25

AMS

American Modular Systems

787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

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PRE-CHECKED SET NAME

24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)

FORM

SITE SPECIFIC PROJECT NAME

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APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122058 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒

DATE: 12/11/2023

☐ 2022 CBC PRE-CHECK (PC) DOCUMENT
(A SEPARATE DRAWING AND CATALOG FILE CONSTRUCTION IS REQUIRED)

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
PATRICIA C. BOHN
No. C12631
Ren. 3-31-25
STATE OF CALIFORNIA

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△	
△	

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:

CEILING NOTES
& SPECIFICATIONS

SHEET NUMBER:

M1.7

FACILITY:

POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

CEILING NOTES & SPECIFICATIONS

DATE: 04/03/24

CLIENT PROJ NO: 3595001000

SHEET:

M1.7

ADDENDUM "A"

24'x40' MINIMUM INSULATION SCHEDULE							
ZONE	WOOD STUDS WALL	METAL STUDS WALL	ROOF			FLOORS (NON-CONCRETE)	CONCRETE FLOORS
			BATTS	RIGID (w/SHEATHING)	RIGID (w/o SHEATHING)		
1 & 16	R-13	R-6/R-13	R-19	R-15	R-15	R-13	R-5
2 - 5	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
6 -13	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
14 & 15	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA

36'x40' MINIMUM INSULATION SCHEDULE							
ZONE	WOOD STUDS WALL	METAL STUDS WALL	ROOF			FLOORS (NON-CONCRETE)	CONCRETE FLOORS
			BATTS	RIGID (w/SHEATHING)	RIGID (w/o SHEATHING)		
1 & 16	R-13	R-6/R-13	R-19	R-15	R-15	R-13	R-5
2 - 5	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
6 -13	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
14 & 15	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA

48'x40' MINIMUM INSULATION SCHEDULE							
ZONE	WOOD STUDS WALL	METAL STUDS WALL	ROOF			FLOORS (NON-CONCRETE)	CONCRETE FLOORS
			BATTS	RIGID (w/SHEATHING)	RIGID (w/o SHEATHING)		
1 & 16	R-13	R-6/R-13	R-19	R-15	R-15	R-13	R-5
2 - 5	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
6 -13	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
14 & 15	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA

60'x40' MINIMUM INSULATION SCHEDULE							
ZONE	WOOD STUDS WALL	METAL STUDS WALL	ROOF			FLOORS (NON-CONCRETE)	CONCRETE FLOORS
			BATTS	RIGID (w/SHEATHING)	RIGID (w/o SHEATHING)		
1 & 16	R-13	R-6/R-13	R-19	R-15	R-15	R-13	R-5
2 - 5	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
6 -13	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
14 & 15	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA

72'x40' MINIMUM INSULATION SCHEDULE							
ZONE	WOOD STUDS WALL	METAL STUDS WALL	ROOF			FLOORS (NON-CONCRETE)	CONCRETE FLOORS
			BATTS	RIGID (w/SHEATHING)	RIGID (w/o SHEATHING)		
1 & 16	R-13	R-6/R-13	R-19	R-15	R-15	R-13	R-5
2 - 5	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
6 -13	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
14 & 15	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA

84'x40' MINIMUM INSULATION SCHEDULE							
ZONE	WOOD STUDS WALL	METAL STUDS WALL	ROOF			FLOORS (NON-CONCRETE)	CONCRETE FLOORS
			BATTS	RIGID (w/SHEATHING)	RIGID (w/o SHEATHING)		
1 & 16	R-13	R-6/R-13	R-19	R-15	R-15	R-13	R-15
2 - 5	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
6 -13	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
14 & 15	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA

96'x40' MINIMUM INSULATION SCHEDULE							
ZONE	WOOD STUDS WALL	METAL STUDS WALL	ROOF			FLOORS (NON-CONCRETE)	CONCRETE FLOORS
			BATTS	RIGID (w/SHEATHING)	RIGID (w/o SHEATHING)		
1 & 16	R-13	R-6/R-13	R-19	R-15	R-15	R-13	R-5
2 - 5	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
6 -13	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
14 & 15	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA

108'x40' MINIMUM INSULATION SCHEDULE							
ZONE	WOOD STUDS WALL	METAL STUDS WALL	ROOF			FLOORS (NON-CONCRETE)	CONCRETE FLOORS
			BATTS	RIGID (w/SHEATHING)	RIGID (w/o SHEATHING)		
1 & 16	R-13	R-6/R-13	R-19	R-15	R-15	R-13	R-15
2 - 5	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
6 -13	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
14 & 15	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA

120'x40' MINIMUM INSULATION SCHEDULE							
ZONE	WOOD STUDS WALL	METAL STUDS WALL	ROOF			FLOORS (NON-CONCRETE)	CONCRETE FLOORS
			BATTS	RIGID (w/SHEATHING)	RIGID (w/o SHEATHING)		
1 & 16	R-13	R-6/R-13	R-19	R-15	R-15	R-13	R-5
2 - 5	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
6 -13	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA
14 & 15	R-13	R-6/R-13	R-19	R-5	R-5	R-13	NA

ADDITIONAL HVAC NOTES:
MANUAL OVERRIDE CONTROLS ARE A MANDATORY MEASURE UNDER ENERGY CODE SECTION 120.2(e). ALL HVAC SYSTEMS SHALL HAVE A MANUAL OVERRIDE ACCESSIBLE TO THE OCCUPANTS THAT ALLOWS THEM TO TURN ON THE HVAC SYSTEM DURING NORMAL UNOCCUPIED TIMES. THIS CAN BE A MANUAL OVERRIDE FOR UP TO 4 HOURS, OCCUPANCY SENSOR, OR A 4 HOUR MANUALLY OPERATED TIMER.

SUSPENDED LAY-IN PANEL CEILING: PER DSA IR 25-2

1. CEILING SYSTEM GENERAL NOTES

- 1.01 CEILING SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635 AND SECTION 5.1 OF ASTM E580.
1.02 THE CEILING GRID SYSTEM MUST BE RATED HEAVY DUTY AS DEFINED BY ASTM C635.
1.03 CEILING SYSTEMS, THE FOLLOWING CEILING SYSTEM(S) IS/ARE PART OF THE SCOPE OF THIS PROJECT:

MANUFACTURER: **ARMSTONG (OR EQUAL)**
PRODUCT NAME: **PRELUDE XL AND PRELUDE XL HIGH RECYCLED CONTENT(HRC) ICC**
EVALUATION REPORT TYPE AND NUMBER: **ESR#1308**
MAIN RUNNER PART, MODEL, OR CATALOG NUMBER: **7301**
CROSS RUNNER PART, MODEL, CATALOG NUMBER: **4' CROSS T # XL7341 & 2' CROSS T # XL8320**

- 1.04 SEISMIC WALL CLIP: BERC2 CLIP MANUFACTURER'S MODEL: 7810

- 1.05 CEILING PANELS SHALL NOT SUPPORT ANY LUMINARIES, AIR TERMINALS OR DEVICES.

- 1.06 FOR CEILING INSTALLATIONS UTILIZING ACOUSTICAL TILE PANELS OF MINERAL OR GLASS

FIBER, IT IS NOT MANDATORY TO PROVIDE ¼" CLEARANCE BETWEEN THE ACOUSTICAL TILE PANELS AND THE WALL ON THE SIDES OF THE CEILING WHICH ARE FREE TO SLIP. FOR ALL OTHER CEILING PANEL TYPES, PROVIDE ¾" CLEARANCE BETWEEN THE CEILING PANEL AND THE WALL ON THE SIDES OF THE CEILING FREE TO SLIP. CLEARANCE BETWEEN CEILING GRID RUNNERS/MEMBERS AND WALLS SHALL COMPLY WITH THE DETAILS ON THESE DRAWINGS REGARDLESS OF CEILING TILE MATERIAL.

2. MATERIALS

- 2.01 CEILING WIRE SHALL BE CLASS 1 ZINC COATED (GALVANIZED) CARBON STEEL CONFORMING

TO ASTM A641. WIRE SHALL BE #12 GAUGE (0.106" DIAMETER) WITH SOFT TEMPER AND MINIMUM ULTIMATE TENSILE STRENGTH = 70 KSI.

- 2.02 GALVANIZED SHEET STEEL (INCLUDING THAT USED FOR METAL STUD AND TRACK COMPRESSION STRUTS/POST) SHALL CONFORM TO ASTM A653, OR OTHER EQUIVALENT SHEET STEEL LISTED IN SECTION

A3.1 OF THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, (AISI S100). MATERIAL 43 MIL (18 GAUGE) AND LIGHTER SHALL HAVE MINIMUM YIELD STRENGTH OF 33 KSI. MATERIAL 54 MIL (16 GAUGE) AND HEAVIER SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.

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

3. ATTACHMENT OF HANGER AND BRACING WIRES

- 3.01 SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC.

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

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

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

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

4. FASTENERS AND WELDING

- 4.01 SHEET METAL SCREWS SHALL COMPLY WITH ASTM C1513 AND ASME B18.6.3.

PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.

- 4.02 N/A

- 4.03 N/A

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

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

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

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

5. TESTING

- 5.01 ALL FIELD TESTING MUST BE PERFORMED IN THE PRESENCE OF THE PROJECT INSPECTOR.

- 5.02 POST-INSTALLED ANCHORS IN CONCRETE USED TO SUPPORT HANGER WIRES SHALL BE

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

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

6. LUMINARIES

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

- 6.02 SURFACE-MOUNTED LUMINARIES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST

TWO POSITIVE CLAMPING DEVICES. THE CLAMPING DEVICE SHALL COMPLETELY SURROUND

THE SUPPORTING CEILING RUNNER AND BE MADE OF STEEL WITH A MINIMUM THICKNESS OF #14 GAUGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAUGE SLACK SAFETY WIRE SHALL BE CONNECTED FROM EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN A LUMINARY IS 8 FEET OR LONGER OR EXCEEDS 56 POUNDS. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 8 FEET.

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

- 6.04 LUMINARIES WEIGHING GREATER THAN 10 POUNDS BUT LESS THAN OR EQUAL TO 56

POUNDS MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL

HAVE A MINIMUM OF TWO #12GAUGE SLACK SAFETY WIRES CONNECTED FROM THE FIXTURE HOUSING AT DIAGONAL CORNERS TO THE STRUCTURE ABOVE.

EXCEPTION: ALL LUMINARIES GREATER THAN TWO BY FOUR FEET WEIGHING LESS THAN 56 POUNDS SHALL HAVE A #12 GAUGE SLACK SAFETY WIRE AT EACH CORNER.

- 6.05 ALL LUMINARIES WEIGHING GREATER THAN 56 POUNDS SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR TAUT #12 GAUGE HANGER WIRES (ONE AT EACH CORNER) ATTACHED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS. THE FOUR TAUT #12 GAUGE WIRES OR OTHER APPROVED HANGERS, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, SHALL BE CAPABLE OF SUPPORTING FOUR TIMES THE WEIGHT OF THE FIXTURE.

7. SERVICES WITHIN THE CEILING

- 7.01 ALL FLEXIBLE SPRINKLER HOSE FITTING MOUNTING BRACKETS, CEILING-MOUNTED AIR

TERMINALS OR OTHER SERVICES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS. SCREWS OR APPROVED FASTENERS ARE REQUIRED. A MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH COMPONENT.

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

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

- 7.04 FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 56 POUNDS SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY NOT LESS THAN FOUR TAUT #12 GAUGE HANGER WIRES ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS.

8. OTHER DEVICES WITHIN THE CEILING

- 8.01 ALL LIGHTWEIGHT MISCELLANEOUS DEVICES, SUCH AS STROBE LIGHTS, OCCUPANCY

SENSORS, SPEAKERS, EXIT SIGNS, ETC., SHALL BE ATTACHED TO THE CEILING GRID. IN ADDITION, DEVICES WEIGHING MORE THAN 10 POUNDS SHALL HAVE A #12 GAUGE SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE. DEVICES WEIGHING MORE THAN 20 POUNDS SHALL BE SUPPORTED INDEPENDENTLY FROM THE STRUCTURE ABOVE.

TABLE A - HEAVY DUTY GRID COMPONENTS						
MANUFACTURER	MAIN TEE	H.D. 4' CROSS TEE	H.D. 2' CROSS TEE	RUNNER SPLICE DETAIL	SEISMIC WALL CLIPS	ICBO ER REPORT
DONNUSG	DX-26	DX-424	DX-216	5C/M1.4	BERC2	ICC-ESR-1222
ARMSTRONG	7301	XL7341	XL8320	5C/M1.4	BERC2	ICC-ESR-1308
CHICAGO/ROCKFON	200.01	1274.01	1202.01	5C/M1.4	BERC2	ICC-ESR-2631
NOTES:						
1. ALL GRID COMPONENTS SHALL BE BY THE SAME MANUFACTURER						
2. REFER TO 'A' DETAIL S/M1.4 FOR BERC2 CLIP DETAIL						

HEATING VENTILATING AND AIR CONDITIONING (HVAC)

- HEAT PUMP: SINGLE PACKAGE WALL-MOUNTED AIR-TO-AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH A.R.I. STANDARD 240-77. MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 5-TON UNIT. ALL UNITS SHALL BE 230/208 VOLT, 1 PHASE SYSTEM, UL TESTED & APPROVED OR COMPARABLE, AND MEET CURRENT ENERGY STANDARDS.
 - 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
 - THE SYSTEM MUST MAINTAIN THE ABOVE TEMPERATURE WHEN THE DAMPER IS ADJUSTED TO USE APPROXIMATELY ONE-THIRD FRESH AIR.
- DUCTWORK
 - CONSTRUCT ALL DUCTWORK OF GALVANIZED SHEET METAL IN ACCORDANCE WITH C.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 2'-0" OF HVAC UNIT.
 - 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 2'-0" 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 DUCTBOARD, 1" THICK, AND MICRO-AIRE TYPE 475. NON-METALLIC DUCTWORK SHALL CONFORM TO NFPA 90-A AND SMACNA CLASS 1 RATING.
 - DUCT INSTALLATION AND PLENUMS SHALL MEET THE REQUIREMENTS OF ENERGY CODE SECTION 120.4 AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. (MINIMUM R=4.2) HORIZONTAL FLEX DUCT SHALL BE SUPPORTED AT A MAXIMUM 4' INTERVALS, WITH HANGING STRAPS A MINIMUM 1-1/2" WIDE. DUCTS MUST BE PULLED TIGHTS WITH A MAXIMUM SAG OF 1/2" PER FOOT OF HORIZONTAL RUN. DUCTS SHALL NOT BE KINKED OR CRUSHED. BEND/RADIUS EQUAL TO THE DUCT DIAMETER OR GREATER.
 - SIZES OF SUPPLY AND RETURN DUCTS SHALL BE SPECIFIED ON PLANS. HVAC CURB SUPPLY AND RETURN DUCTS SHALL BE THE SAME SIZE AND ALIGN WITH THE HVAC UNIT.
 - FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5 FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE PER ENERGY CODE 120.4 AND CMC 603.4.1
- AIR DUCT INSULATION AND LININGS SHALL COMPLY WITH FLAME SPREAD LESS THAN OR EQUAL TO 25, SMOKE GENERATION LESS THAN OR EQUAL TO 50.
- SUPPLY AIR DIFFUSERS SHALL BE 675 CFM MAXIMUM, 12" ROUND, 1" FIBERGLASS OR FLEXDUCT DUCTWORK SPECIFICALLY DESIGNED TO PROVIDE AIR THERMAL COOLING SYSTEMS, 24"x8"x1" MICRO-AIRE TYPE #475 OWENS-CORNING, KNAUF, CERTAINTED, OR EQUAL AND 90-B: UL #131 TEST, CLASS 1 RATING WITH "SMACNA".
- REGISTERS AND DIFFUSERS: PROVIDE THREE (MINIMUM) 4-WAY THROW AIR DIFFUSERS AS MANUFACTURED BY CARNES, TITUS, HART AND COOLEY, METALAIRE, SHOEMAKER, BARBER-COLEMAN OR KRUEGER COMMERCIAL GRADE GRILLS AND REGISTERS.
- AIR CONDITIONING CONTROLS: PROVIDE ELECTRONIC PROGRAMMABLE THERMOSTAT. THERMOSTAT SHALL BE PROGRAMMED WITH EXPECTED OCCUPIED TIMERS. AIR HANDLER FAN WILL BE PROGRAMMED TO RUN DURING ALL OCCUPIED TIMES. PRE-OCCUPANCY PURGE SHALL BE PROGRAMMED ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED. THERMOSTAT SHALL HAVE THE FOLLOWING FUNCTIONS:
 - 5 AND 2 WEEKDAY/WEEKEND PROGRAMMING DAYS WITH 4 SEPARATE TIME/TEMPERATURE SETTINGS FOR A 24-HOUR PERIOD.
 - KEY BOARD LOCKOUT SWITCH.
 - PROGRAMMABLE DISPLAY.
 - 2-HOUR OVERRIDE MINIMUM.
 - STATUS INDICATED LED'S.
 - BATTERY BACK-UP.
 - PROVIDE LOCKING CLEAR THERMOSTAT COVER WITH THERMOSTAT COVER WITH ACCESS HOLE FOR PROGRAM OVERRIDE. WHITE RODGERS IF92-371. MOUNT TOP OF BOX @ 48" A.F.F. MAX. (WHERE SEALED, SETTINGS & ADJUSTMENTS CAN BE DONE BY SERVICE PERSONNEL ONLY.)
- THERMAL INSULATION
 - ROOF INSULATION: R-19 WITH 22 GA. WIRE @ 16" O.C. & R-5 OR R-15 (REFER TO INSULATION TABLES IN PAGE M1.7) TOP OF ROOF SHEATHING.
 - WALLS INSULATION: R-13 KRAFT FACED. (R-5 INSULATION OVER INTERIOR SIDE METAL FRAMED WALLS) 17/A5.1 AND 17/A5.3
 - NON-CONCRETE FLOORS INSULATION: R-13
 - CONCRETE FLOORS INSULATION: R-5 OR R-15 (REFER TO INSULATION TABLES IN PAGE M1.7)
 - BURNING CHARACTERISTICS: FLAME SPREAD LESS THAN 25 & SMOKE DEVELOPMENT IS LESS THAN 50
 - FLAME SPREAD AND SMOKE DEVELOPMENT SHALL CONFORM TO CALIFORNIA BUILDING CODE SEC. 720.
- FACTORY-MADE AIR DUCTS
 - FACTORY-MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF C.M.C. SECTION 601.0.
 - EACH PORTION OF A FACTORY-MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE WITH C.M.C. SECTION 601.0 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 C.M.C. SECTION 601.0.
 - DUCT SUPPORT R/FLEX DUCT TO BE SUPPORTED WITH 1-1/2" WIDE X26 GA. GALV. STRAP @ MAX 4'-0" O.C. ATTACH TO RAFTER WITH TWO #8 S.M.S. @ EACH END.
 - SUPPLY AIR PLENUM TO BE SUPPORTED WITH 1-1/2" WIDE X26 GA. GALV. STRAPS MINIMUM 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 WITH TWO #8 S.M.S.
- FIREBLOCKING SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS:
 - IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES;
 - AT THE CEILING AND FLOOR LEVELS;
 - AND AT 10-FOOT (3048MM) INTERVALS BOTH VERTICAL AND HORIZONTAL. REFERENCE 2022 CBC SECTION 718.
- THE INTERIOR ENVIRONMENT SHALL BE ASSEMBLED WITH PRODUCTS THAT CONTRIBUTE TO A HEALTHY INDOOR AIR QUALITY (IAQ), THE FOLLOWING SHALL COMPLY TITLE 24, PART 11 ("CAL-GREEN"), SECTION 5.504.4. (SEE SHEET N1.0, SECTION 9C "INTERIOR AIR QUALITY CONTROL")
- HVAC FILTER
 - FILTERS SHALL HAVE A "MINIMUM EFFICIENCY REPORTING VALUE" OF 13 WITH 2" DEPTH MIN. (MERV 13) AND SHALL BE INSTALLED PRIOR TO OCCUPANCY AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL, PER 2022 CEC SECTION 5.504.5.3
 - INSTALLED FILTERS SHALL BE CLEARLY LABELED BY THE MANUFACTURER INCLUDING THE MERV RATING, PER 2022 CBC SECTION 5.504.5.3.1
- ROOF MOUNTED HVAC
 - A GASKET SHALL BE PLACED BETWEEN THE CURB AND THE HVAC UNIT. MASTIC SEALANT SHALL BE USED TO SEAL ALL SEAMS BETWEEN THE HVAC UNIT AND DUCTS.
- HVAC CONTROLS
 - THERMOSTAT (BY OTHERS) WILL BE PROGRAMMED WHEN THE MODULAR BUILDING IS PLACED ON A SITE TO ENSURE THE MINIMUM AIR RATE WILL BE SUPPLIED TO THE SPACE AT ALL USUALLY OCCUPIED TIMES AND PROGRAMMED TO PROVIDE A PRE-OCCUPANCY PURGE ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED PER ENERGY CODE 120.1(C)1.
- UPON SITE PLACEMENT OR SITE CONSTRUCTION, THE OPERATION AND MAINTENANCE DOCUMENTATION FOR ALL MECHANICAL AND LIGHTING SYSTEMS AND CONTROLS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR FOR THE PERMANENT MODULAR RELOCATABLE BUILDING AND DELIVERED TO THE OWNER.

HVAC NOTES

HEATING VENTILATING AND AIR CONDITIONING (HVAC) continued

- THE CALIFORNIA ENERGY CODE 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.
- LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROL ACCEPTANCE TEST TECHNICIAN (ATT). MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021. ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.
- A LISTING OF CERTIFIED ATTS CAN BE FOUND AT: [HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE](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 PROJECT INSPECTORS WILL BE COLLECTING THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.
- THERMOSTAT SHALL BE PROGRAMMED TO PREVENT SUPPLEMENTARY HEATER OPERATION WHEN THE HEATING LOAD CAN BE MET BY THE HEAT PUMP ALONE. THE CUT-ON TEMPERATURE FOR COMPRESSION HEATING MUST BE HIGHER THAN THE CUT-ON TEMPERATURE FOR SUPPLEMENTARY HEATING, AND THE CUT-OFF TEMPERATURE FOR COMPRESSION HEATING MUST BE HIGHER THAN THE CUT-OFF TEMPERATURE FOR SUPPLEMENTARY HEATING PER CEC 2022 SECTION 110.2(B).

HVAC NOTES (CONTINUATION)

H2 FAN SYSTEMS	
BUILDING SIZE	DESIGN OA
	CFM
24'x40'	365
36'x40'	547
48'x40'	365
60'x40'	456
72'x40'	547
84'x40'	365
96'x40'	365
108'x40'	365
120'x40'	365

HVAC SCHEDULE														
BUILDING SIZE & CLIMATE ZONE GROUP (ZONE)			# OF HVAC				BUILDING SIZE & CLIMATE ZONE GROUP (ZONE)				# OF HVAC			
			30 TON (BARD)	4 TON (BARD)	4 TON (SYSTE M AIR)	5 TON (SYTEM AIR)					30 TON (BARD)	4 TON (BARD)	4 TON (SYSTE M AIR)	5 TON (SYTEM AIR)
<input type="checkbox"/>	24'x40' GROUP A (1-16)	1	<input type="checkbox"/>	60'x40' GROUP A (1-16)	2	<input type="checkbox"/>	96'x40' GROUP A (1-16)	4	<input type="checkbox"/>	96'x40' GROUP B (2-5)	4	<input type="checkbox"/>	96'x40' GROUP C (6-13)	4
<input type="checkbox"/>	24'x40' GROUP B (2-5)	1	<input type="checkbox"/>	60'x40' GROUP B (2-5)	2	<input type="checkbox"/>	96'x40' GROUP D (14-15)	4	<input type="checkbox"/>	108'x40' GROUP A (1-16)	3	<input type="checkbox"/>	108'x40' GROUP B (2-5)	3
<input type="checkbox"/>	24'x40' GROUP C (6-13)	1	<input type="checkbox"/>	60'x40' GROUP C (6-13)	2		108'x40' GROUP C (6-13)	3	<input type="checkbox"/>	108'x40' GROUP D (14-15)	3			
<input type="checkbox"/>	24'x40' GROUP D (14-15)	1	<input type="checkbox"/>	60'x40' GROUP D (14-15)	2	2			<input type="checkbox"/>	120'x40' GROUP A (1-16)	5	<input type="checkbox"/>	120'x40' GROUP B (2-5)	5
<input type="checkbox"/>	36'x40' GROUP A (1-16)	1	<input type="checkbox"/>	72'x40' GROUP A (1-16)	2		120'x40' GROUP C (6-13)	5	<input type="checkbox"/>	120'x40' GROUP D (14-15)	5			
<input type="checkbox"/>	36'x40' GROUP B (2-5)	1	<input type="checkbox"/>	72'x40' GROUP B (2-5)	2				<input type="checkbox"/>					
<input checked="" type="checkbox"/>	36'x40' GROUP C (6-13)	1	<input type="checkbox"/>	72'x40' GROUP C (6-13)	2	2			<input type="checkbox"/>					
<input type="checkbox"/>	36'x40' GROUP D (14-15)	1	<input type="checkbox"/>	72'x40' GROUP D (14-15)	2	2			<input type="checkbox"/>					
<input type="checkbox"/>	48'x40' GROUP A (1-16)	2	<input type="checkbox"/>	84'x40' GROUP A (1-16)	2		<input type="checkbox"/>	120'x40' GROUP A (1-16)	5	<input type="checkbox"/>	120'x40' GROUP B (2-5)	5	<input type="checkbox"/>	120'x40' GROUP C (6-13)
<input type="checkbox"/>	48'x40' GROUP B (2-5)	2	<input type="checkbox"/>	84'x40' GROUP B (2-5)	2		<input type="checkbox"/>	120'x40' GROUP D (14-15)	5	<input type="checkbox"/>				
<input type="checkbox"/>	48'x40' GROUP C (6-13)	2	<input type="checkbox"/>	84'x40' GROUP C (6-13)		2	<input type="checkbox"/>			<input type="checkbox"/>				
<input type="checkbox"/>	48'x40' GROUP D (14-15)	2	<input type="checkbox"/>	84'x40' GROUP D (14-15)		2	<input type="checkbox"/>			<input type="checkbox"/>				

- LOW-PROBABILITY SYSTEM(S) ON PLAN PER CMC 1103.2 IN REGARDS TO REFRIGERANT.
 - REFRIGERANT 410B (WHERE APPLICABLE) AND COORESpondING SAFETY GROUP ON PLAN (CMC 1103 AND TABLE 1102.3)
- ** SECURED W/ 22 GA WIRE @ 16" O.C.
*** R-1 MAY BE ACHEIVED W/ POLYSTYRENE OR INSULATION TAPE APPLIED TO THE TOP FLANGE OF PURLINS, TYP.

HVAC SCHEDULES

HVAC CFM CHART					
	MODEL #	DESCRIPTION	MAX. CFM	UNIT WEIGHT (LBS)	EER
SYSTEM AIR INDOOR	CAH-3	4 TON HEAT PUMP	1600	948	11
	CAH-5	5 TON HEAT PUMP	1800	948	11

HVAC CFM CHART						
	MODEL #	DESCRIPTION	MAX. CFM	UNIT WEIGHT (LBS)	EER	COP
BARD WALL HUNG	W36RB	3 TON HEAT PUMP	1143	500	11	3.3
	W42HC	3 1/2 TON HEAT PUMP	1440	500	11	3.3
	W48HC	4 TON HEAT PUMP	1650	505	11	3.3
	W60HC	4 1/2 TON HEAT PUMP	1855	515	11	3.3

HVAC CFM CHART						
	MODEL #	DESCRIPTION	MAX. CFM	UNIT WEIGHT (LBS)	EER	SEER
CARRIER ROOF MOUNT	50VT-C36-3-TP	3 TON HEAT PUMP	1200	371	12.0	14.5
	50VT-C42-3-TP	3 1/2 TON HEAT PUMP	1400	412	12.0	14.5
	50VT-C48-3-TP	4 TON HEAT PUMP	1600	432	12.0	14.5
	50VT-C60-3-TP	4 1/2 TON HEAT PUMP	1750	462	12.0	14.2

HVAC CFM CHART							
	MODEL #	DESCRIPTION	AIR HANDLER MODEL # (INTERIOR OR ATTIC MOUNTED)	MAX. CFM	UNIT WEIGHT (LBS)	EER	SEER
CARRIER SPLIT DX SYSTEM	25HCE436A003	3 TON HEAT PUMP	FX4DN037	1200	157	11.5	14.0
	25HCE442A003	3 1/2 TON HEAT PUMP	FX4DN043	1400	157	11.5	14.0
	25HCE448A003	4 TON HEAT PUMP	FX4DN049	1600	185	11.5	14.0
	25HCE460A003	4 1/2 TON HEAT PUMP	FX4DN061	2000	201	11.5	14.0

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

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

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021. ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

A LIST OF CERTIFIED ATTS CAN BE FOUND AT: [HTTP://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE](http://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 BE COLLECTING THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

ADDITIONAL HVAC NOTES:
MANUAL OVERRIDE CONTROLS ARE A MANDATORY MEASURE UNDER ENERGY CODE SECTION 120.2(g). ALL HVAC SYSTEMS SHALL HAVE A MANUAL OVERRIDE ACCESSIBLE TO THE OCCUPANTS THAT ALLOWS THEM TO TURN ON THE HVAC SYSTEM DURING NORMAL UNOCCUPIED TIMES. THIS CAN BE A MANUAL OVERRIDE FOR UP TO 4 HOURS, OCCUPANCY SENSOR, OR A 4 HOUR MANUALLY OPERATED TIMER.



HMC Architects

3595001000

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

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DESCRIPTION	DATE
ADDENDUM "A"	3/20/25

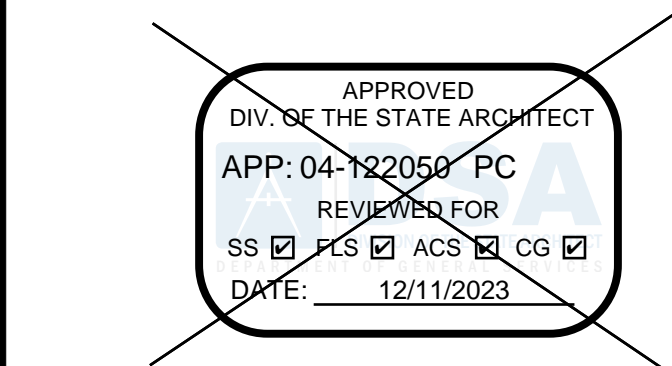


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24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)
FORM

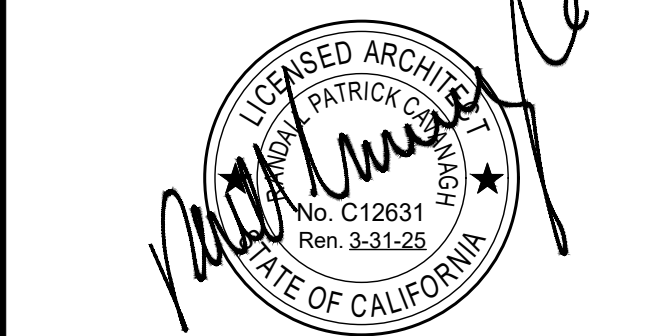
SITE SPECIFIC PROJECT NAME:

GENERAL NOTES



2022 CBC PRE-CHECK (PC) DOCUMENT
(A SEPARATE 2022 PRE-APPROVAL FOR CONSTRUCTION IS REQUIRED.)

MANUFACTURER PROFESSIONAL OF RECORD ON PC



THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS	
△	
△	
△	
△	

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YYYY
PROJECT NO:	XXXX-22

SHEET TITLE:

MECHANICAL NOTES & SCHEDULES

SHEET NUMBER:

M1.7A

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
MECHANICAL NOTES & SCHEDULES

DATE: 04/03/24
CLIENT PROJ NO: 3595001000

SHEET:

M1.7A
ADDENDUM "A"





































EE10

SHEET:

E1.0.

ADDENDUM "A"



	ELECTRICAL PANEL - MOUNT FLUSH WITH WALL FINISH, U.O.N.
	INCANDESCENT MOUNTED INTERIOR LIGHT FIXTURE MODEL: 8850-LED, 10W MAX
	EXTERIOR LIGHT FIXTURE @ EACH DOOR OR FOR EQUAL (MAX 40W) - WHERE THERE ARE TWO OR MORE EXITS, A MINIMUM 90 MIN. BATTERY BACK-UP IS REQUIRED
	EXTERIOR SOFFIT MOUNTED LIGHT FIXTURE ENRTERION MODEL 110850-LED-50 LOW PROFILE CANOPY, LED OR EQUIV. (MAX 18W)
	UNCONTROLLED DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N.
	CONTROLLED DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N. - TO BE CONTROLLED BY OCCUPANCY SENSOR.
	COMBO-DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N.
	FOURPLEX WALL OUTLET - MOUNT @ +18" A.F.F. TO CENTER LINE - U.O.N.
	WEATHER-PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
	GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
	CONTROLLED-SINGLE POLE LIGHT SWITCHES - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX - HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
	SINGLE POLE SOLATA-TUBE SWITCH - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX.
	SPRING WOUND COUNTDOWN TIMER, 125-277 VAC, 50/60 HZ, 60 MINUTE MAX. ITEM F4049W OR EQUIV. - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX.
	SWITCH SUBSCRIPTS - a=DEVICE CONTROLLED.
	THERMOSTAT - TOP OF BOX MOUNTED @ +48" A.F.F.
	JUNCTION BOX - SIZE / LOCATION A.F.F. / TYPE AS NOTED
	ELECTRICAL CROSSOVER - J-BOX - ABOVE CEILING - #1-4X1", #22-4"x2"
	CLOCK/SPEAKER COMBO - MOUNT @ +90" A.F.F. TO CENTERLINE - U.O.N. - DEVICE BY OTHERS
	SPEAKER - OUTLET ONLY - 4" SQ. BOX WITH SINGLE SPEAKER RING AND COVER - MOUNT @ +84" A.F.F. TO CENTERLINE - DEVICE BY OTHERS
	DATA/COMMUNICATION - OUTLET ONLY - 4" SQ BOX WITH SINGLE DEVICE RING AND COVER - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N., AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
	CATV OUTLET - OUTLET ONLY - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - (1) 3/4" DIA CONDUIT - STUBBED ABOVE CEILING - DEVICES BY OTHERS
	INTERCOM/TELEPHONE - OUTLET ONLY - 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT TOP OF BOX @ +48" A.F.F. U.O.N. AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
	SECURITY/INTRUSION KEY PAD - OUTLET ONLY - 4" SQ. BOX w/ SINGLE DEVICE RING AND COVER. MOUNT TOP OF BOX @ +48" A.F.F., AND ONE 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
	DOOR CONTACT - PROVIDE (1) EMPTY 1/2" DIA EMT THROUGH DOOR HEADER - STUBBED ABOVE CEILING - DEVICE BY OTHERS
	MOTION SENSOR OUTLET - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER AND ONE 3/4" CONDUIT STUBBED ABOVE CEILING
	ULTRASONIC OCCUPANCY SENSOR - MOUNTED TO FINISH CEILING (PROVIDE WITH COMBINATION PHOTOCELL SENS IS WHEN DAY/LIGHT CONTROL IS REQUIRED)
	FIRE ALARM PULL STATION - OUTLET ONLY - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - TOP OF OPERATING HANDLE MOUNTED BETWEEN +42" TO +48" A.F.F. - DEVICE BY OTHERS
	FIRE ALARM HORN - OUTLET ONLY - 4" SQ. SINGLE GONG J-BOX WITH ELK WEATHER-PROOF COVER - MOUNTED +90" A.F.F. TO CENTERLINE - DEVICE BY OTHERS
	MINI HORN BOX - OUTLET ONLY - SINGLE DEVICE RING AND COVER - MOUNTED +80" A.F.F. TO CENTERLINE BUT NO GREATER THAN +96" - DEVICE BY OTHERS
	VISUAL FIRE ALARM ALARM - OUTLET ONLY - 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT SO THAT LENS IS BETWEEN 90°-94° A.F.F. (CATTERY BACK-UP PER NFPA72 TABLE 6-4.4.1(b)) (DEVICE BY OTHERS)
	2x4" LED EDGE FIT FIXTURE, MODEL: LISI, SPF24 5601K LUMENS - 45 WATTS MAX OR EQUAL
	3x6" LED EDGE FIT FIXTURE, MODEL: LISI, SPF22 3180K LUMENS - 30 WATTS MAX OR EQUAL
	24 HOUR EMERGENCY LIGHTING WITH MINIMUM 90-MINUTE BATTERY BACK-UP - WHERE TWO OR MORE EXITS ARE REQUIRED
	EMERGENCY EXIT LIGHTING - WHERE THERE ARE TWO OR MORE EXITS, AN EXIT SIGN WITH INTEGRAL EMERGENCY LIGHTS (MINIMUM 90-MIN. BATTERY BACK-UP IS REQUIRED).
	ILLUMINATED EXIT LIGHT - WHERE THERE ARE TWO OR MORE EXITS
	EXTERIOR SOFFIT MOUNTED LIGHTING PER MODEL TO MOVE WITH EMERGENCY 90 MIN. MINIMUM BATTERY BACK-UP, PROVIDE (1) BY THE STAIR ENCLOSING.

STANDARD ELECTRICAL SYMBOLS

THE LINE SHOWN ABOVE IS
BASED ON THE INFORMATION
PROVIDED TO THE ARCHITECT
BY THE CLIENT AND THE
DESIGNER.

Autodesk Docs: 13595001000 TUSD TK CLASSROOMS 2025 R22.23595001000-A-TUSD-BOHN-SITE-M
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SACRAMENTO, CA 95816
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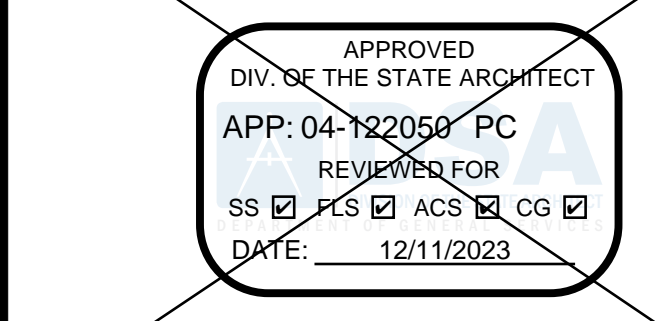
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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)
FORM

SITE SPECIFIC PROJECT NAME

KEYNOTES

GENERAL NOTES



2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE DOCUMENT AND CHECKLIST FOR OBSERVATION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

FACILITY:
POET CHRISTIAN ELEMENTARY SCHOOL
1701 S CENTRAL AVE.
TRACY, CA 95376

PROJECT:
POET CHRISTIAN ES - TK CLASSROOM

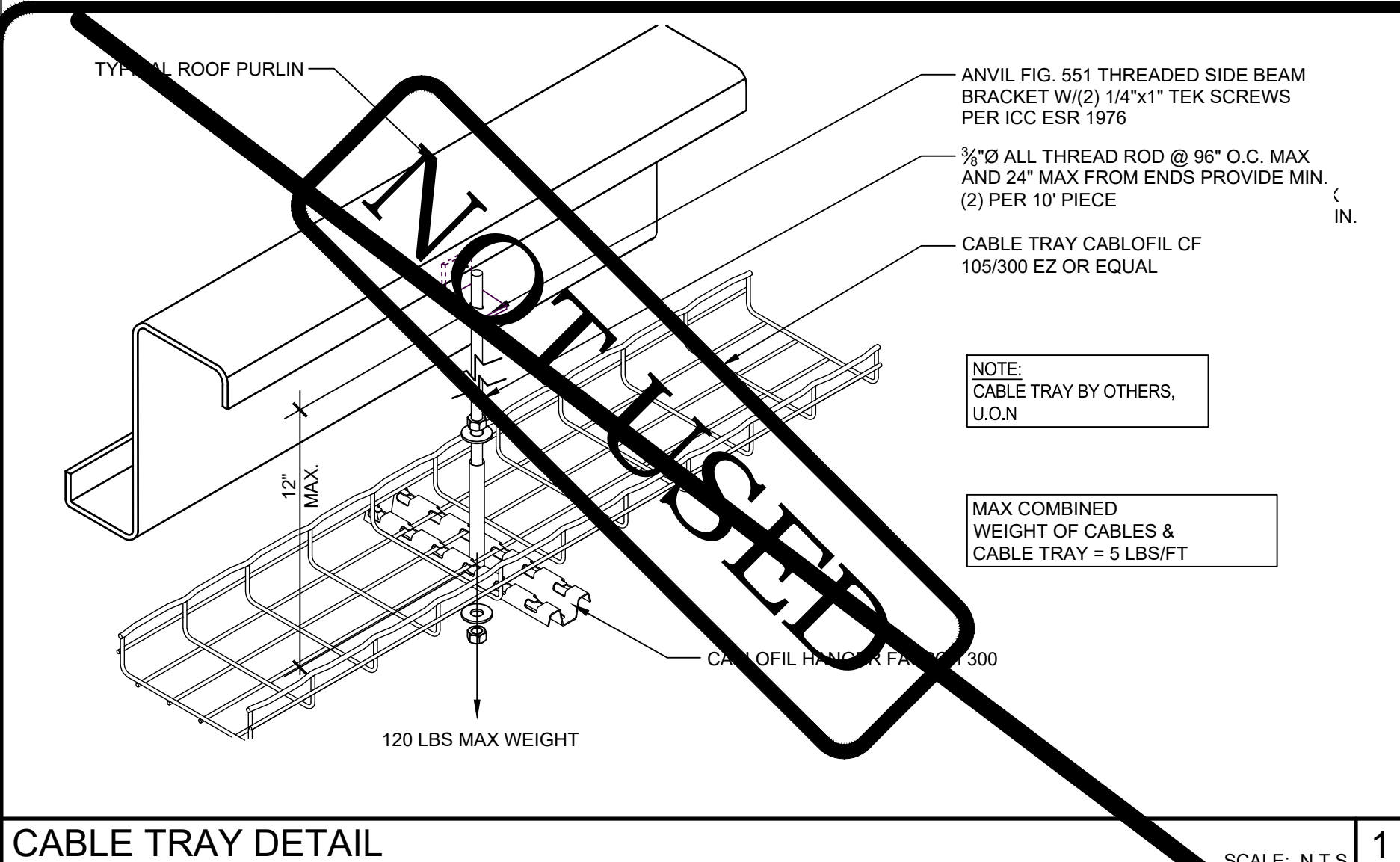
SHEET NAME:
ELECTRICAL NOTES & DETAILS

DATE: 04/03/24 CLIENT PROJ NO: 3595001000

SHEET:

E1.2

ADDENDUM "A"



CABLE TRAY DETAIL

SCALE: N.T.S.

250.52 GROUNDING ELECTRODES.
250.52(A) ELECTRODES PERMITTED FOR GROUNDING.

(1) METAL UNDERGROUND WATER PIPE, A METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 3.0 M (10 FT) OR MORE (INCLUDING ANY METAL WELL CASING BONDED TO THE PIPE) AND ELECTRICALLY CONTINUOUS (OR MADE ELECTRICALLY CONTINUOUS BY BONDING AROUND INSULATING JOINTS OR INSULATING PIPE) TO THE POINTS OF CONNECTION OF THE GROUNDING ELECTRODE CONDUCTOR AND THE BONDING CONDUCTOR(S) OR JUMPER(S), IF INSTALLED.

(2) METAL IN-GROUND SUPPORT STRUCTURE(S), ONE OR MORE METAL IN-GROUND SUPPORT STRUCTURE(S) IN DIRECT CONTACT WITH THE EARTH VERTICALLY FOR 3.0 M (10 FT) OR MORE, WITH OR WITHOUT CONCRETE ENCASUREMENT. IF MULTIPLE METAL IN-GROUND SUPPORT STRUCTURES ARE PRESENT AT A BUILDING OR A STRUCTURE, IT SHALL BE PERMISSIBLE TO BOND ONLY ONE INTO THE GROUNDING ELECTRODE SYSTEM.

INFORMATIONAL NOTE: METAL IN-GROUND SUPPORT STRUCTURES INCLUDE, BUT ARE NOT LIMITED TO, PILINGS, CASINGS, AND OTHER STRUCTURAL METAL.

(3) CONCRETE-ENCASED ELECTRODE. A CONCRETE-ENCASED ELECTRODE SHALL CONSIST OF AT LEAST 6.0 M (20 FT) OF EITHER (1) OR (2):

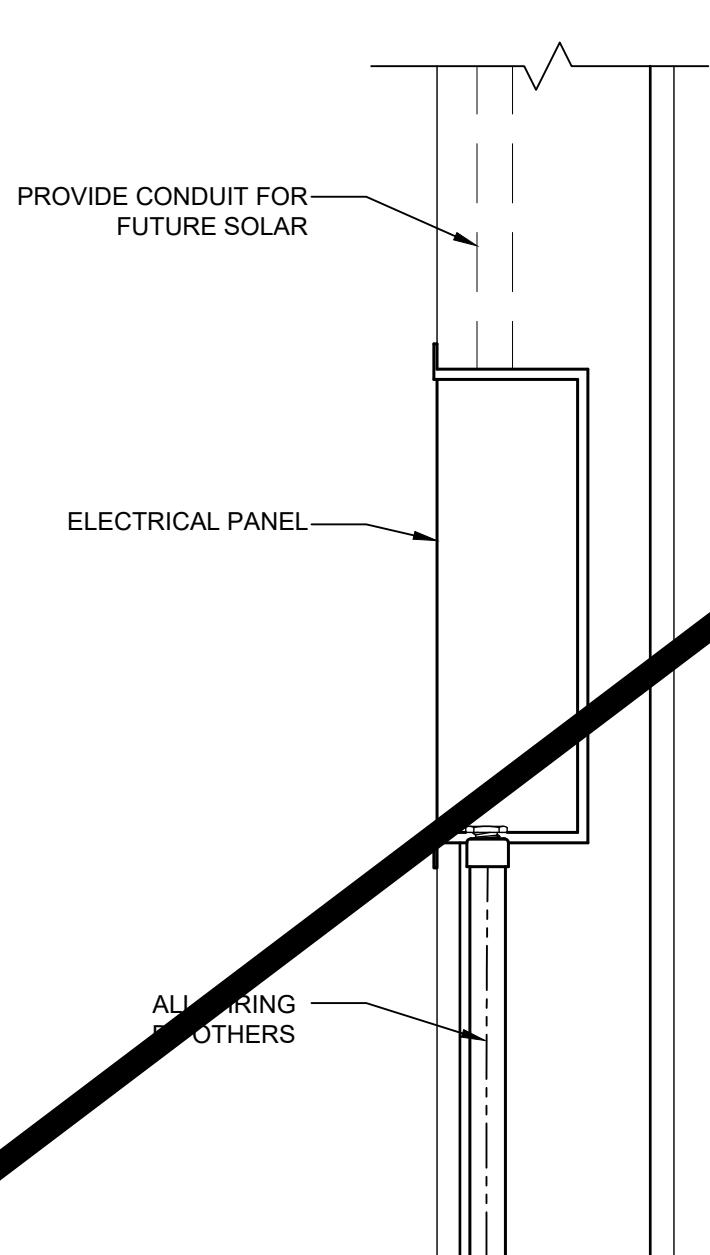
(1) ONE OR MORE BARE OR ZINC GALVANIZED OR OTHER ELECTRICALLY CONDUCTIVE COATED STEEL REINFORCING BARS OR RODS OF NOT LESS THAN 13 MM (1/2 IN.) IN DIAMETER, INSTALLED IN ONE CONTINUOUS 6.0 M (20 FT) LENGTH, OR IF IN MULTIPLE PIECES CONNECTED TOGETHER BY THE USUAL STEEL TIE WIRES, EXOTHERMIC WELDING, WELDING, OR OTHER EFFECTIVE MEANS TO CREATE A 6.0 M (20 FT) OR GREATER LENGTH; OR

(2) BARE COPPER CONDUCTOR NOT SMALLER THAN 4 AWG

METAL COMPONENTS SHALL BE ENCASED BY AT LEAST 50 MM (2 IN.) OF CONCRETE AND SHALL BE LOCATED HORIZONTALLY WITHIN THAT PORTION OF A CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH OR WITHIN VERTICAL FOUNDATIONS OR STRUCTURAL COMPONENTS OR MEMBERS THAT ARE IN DIRECT CONTACT WITH THE EARTH. IF MULTIPLE CONCRETE-ENCASED ELECTRODES ARE PRESENT AT A BUILDING OR STRUCTURE, IT SHALL BE PERMISSIBLE TO BOND ONLY ONE INTO THE GROUNDING ELECTRODE SYSTEM.

INFORMATIONAL NOTE: CONCRETE INSTALLED WITH INSULATION, VAPOR BARRIERS, FILMS OR SIMILAR ITEMS SEPARATING THE CONCRETE FROM THE EARTH IS NOT CONSIDERED TO BE IN "DIRECT CONTACT" WITH THE EARTH.

(4) GROUND RING. A GROUND RING ENCOMPASSING THE BUILDING OR STRUCTURE, IN DIRECT CONTACT WITH THE EARTH, CONSISTING OF AT LEAST 6.0 M (20 FT) OF BARE COPPER CONDUCTOR NOT SMALLER THAN



(1) OTHER LOCAL METAL UNDERGROUND SYSTEMS OR STRUCTURES, OTHER LOCAL METAL UNDERGROUND SYSTEMS OR STRUCTURES SUCH AS PIPING SYSTEMS, UNDERGROUND TANKS, AND UNDERGROUND METAL WELL CASINGS THAT ARE NOT BONDED TO A METAL WATER PIPE.

(B) NOT PERMITTED FOR USE AS GROUNDING ELECTRODES
THE FOLLOWING SYSTEMS AND MATERIALS SHALL NOT BE USED AS GROUNDING ELECTRODES:

(1) METAL UNDERGROUND GAS PIPING SYSTEMS
(2) ALUMINUM STRUCTURES AND STRUCTURAL REINFORCING STEEL
(3) THE STRUCTURES AND MATERIALS DESCRIBED IN 680.26(B)(1) AND (B)(2)

INFORMATIONAL NOTE:
SEE 250.104(B) FOR BONDING REQUIREMENTS OF GAS PIPING.

SIZE OF CONDUCTORS SHALL COMPLY W/CECA

2. PROVIDE SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL & METAL BUILDING FRAME (CEC). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL, IF AVAILABLE (CEC).
3. ELECTRICAL BONDING RULES TOGETHER WITH #8 CU @ MODULE, BY MANUFACTURER, CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (CEC) AS REQUIRED. GROUNDING DETAIL PER DSA IR E-1. INSPECTOR TO WITNESS GROUNDING TEST.

NOT USED 2 ELECTRICAL PANEL CONNECTION DETAIL - UNDERFLOOR OPTION

SCALE: 1-1/2" = 1'-0"

PANEL: A S/N:	PHASE: SING	VOLTS: 120/240	BUSS: 125AMP	MAIN: 100	LOCATION: INTERIOR	FEED: BOTTOM	MOUNTING: SURFACE
OBJECT DESCRIPTION	WATT NO. PER OF	WATTS	WIRE SIZE	WIRE SIZE	WATTS	NO OF	OBJECT DESCRIPTION
INT. LIGHTS-LED	40 8 x	320	20 1 #12	1 x 2 #6	1 60	5760	4 TON A CHVAC UNIT
BLANK/SPARE		0		3 x 4 #6	1 60	5760	4 TON A CHVAC UNIT
EXT. LIGHTS	75 1 x	75	20 1 #12	5 x 6		0	FAC.P
REC-CONTROLLED	180 1 x	180	20 1 #12	7 x 8		0	FUTURE SOLAR ELEC
REC-UNCONTROLLED	180 1 x	180	20 1 #12	9 x 10		0	BLANK/SPARE
REC-IFC	180 1 x	180	20 1 #12	11 x 12		0	BLANK/SPARE
LEG TOTALS		575	360			5760	5760
LCL=3113.75+12455=15568.75							
TOTAL WATTS=15568.75			LEG BALANCE = 1.7%			TOTAL AMPS: 64.87	

NOTE:
FIRE ALARM DEDICATED CIRCUIT SHALL BE IDENTIFIED WITH A RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY (NFPA 72 10.6.5.2)

FIRE ALARM SYSTEM

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, CALIFORNIA FIRE CODE AND THE CALIFORNIA BUILDING CODE.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTINGS FOR EACH COMPONENT OF THE SYSTEM, HAVE BEEN APPROVED BY DSA.
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.
4. JUNCTION BOXES - GALVANIZED SHEET METAL, SQUARE OR RECTANGULAR WITH BLANK COVERS. LOCATE ONLY AT REAR OF BUILDING NEAR MAIN ELECTRICAL PANEL @ +18" ABOVE FINISH FLOOR FOR FUTURE CONNECTION.
5. COVERS - INSTALL UNPAINTED, METAL, WATERPROOF, FINISH COVERS AT EXTERIOR LOCATIONS. INSTALL FINISH COVERS AT INTERIOR LOCATIONS.
6. THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATIONS (CBC SEC. 907.2.3) AND THE 2022 EDITION OF NFPA 72.
7. THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
8. ALARM-INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 dBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF 60 SECONDS, WHICHEVER IS GREATER, MEASURED 5' ABOVE THE FLOOR. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM, OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS (NFPA 72, SEC. 18.4.1).
9. THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ), NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHAL APPROVED AND LISTED (NFPA 72, SEC. 18.5.3).
10. AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 CHAPTER 28. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UL/IFC OR UL/US BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER. 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 AGENCY.

NOTE:
SEE SHEET M1.0 FOR ALL BRACING AND ANCHORAGE NOTES.

GENERAL NOTES

1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.
2. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
3. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.
4. ALL PANELS, SWITCHES, DISCONNECTS, BREAKERS, METERS, AND OTHER ELECTRICAL ELEMENTS SHALL BE PLACED ABOVE THE ELEVATION REQUIRED BY ASCE 24-14, SECTION 7.2.
5. WHERE FLEXIBLE CONDUIT IS PASSING BETWEEN BUILDING SEPARATION JOINTS, PROVIDE SUFFICIENT LENGTH OF CONDUIT TO PERMIT DIFFERENTIAL DISPLACEMENTS BETWEEN BUILDINGS IN COMPLIANCE WITH ASCE 7 SECTION 13.6.9 & DSA IR PC-2 SECTION 1.18. ADDITIONAL CONDUIT & JOINT DETAIL SHALL BE PROVIDED BY OTHERS.

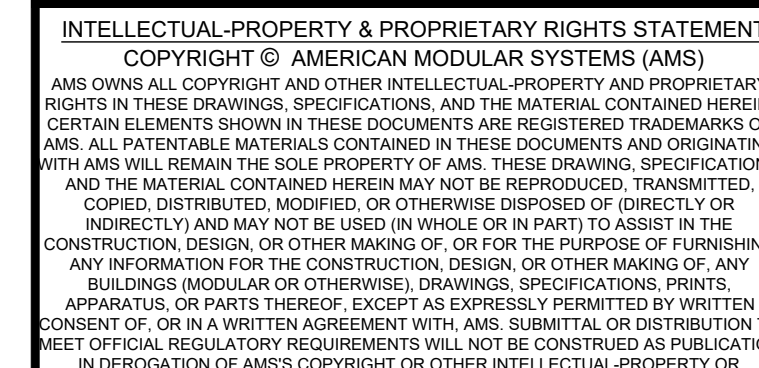
FIXTURE NOTES:

1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
2. LUMINAIRES/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.
4. ELECTRICAL SERVICE DROP AND CONNECTIONS SUPPLIED BY OTHERS.
5. MANUFACTURER TO PROVIDE STUB-OUT FROM BACK OF ELECTRICAL PANEL THROUGH THE EXTERIOR WALL OR TO BELOW FLOOR FOR RECEIVING EITHER UNDERGROUND OR OVERHEAD SERVICE & FITTING FOR GROUNDING CABLE.
6. 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 SHALL HAVE ADEQUATE SHORT CIRCUIT INTERRUPTING CAPACITY. ALL BUSES INCLUDING BUS SHALL BE COPPER OR ALUMINUM.
7. 2X4 FLUORESCENT FIXTURES SHALL HAVE A STEEL FRAME. LENS SHALL BE HINGED AND LOCKED IN PLACE BY TWO LOCKING DEVICES. THE LENS DIFFUSERS SHALL BE KHS, INC. #KSH-2, CAROLITE, INC. #C-12 OR PLASKOLITE, INC. #PL21A. MINIMUM LENS THICKNESS SHALL BE 0.125 INCHES.
8. FLUORESCENT BALLAST SHALL BE ENERGY SAVER WHILE MAINTAINING FULL LIGHT OUTPUT. BALLAST "P" EQUIPPED WITH THERMAL PROTECTORS, GUARANTEED AGAINST FAILURE FOR (5) YEARS AND BE REPLACEABLE FROM INSIDE THE FIXTURE.
9. 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 SEPARABLE HANGING CLIP & APPD RECEPT. THE H.V.A.C. UNIT FEEDER CIRCUIT - PANEL CIRCUIT BREAKER, FEEDER CIRCUIT, UNIT DISCONNECT AND FUSES (WHERE USED) - IS TO BE COORDINATED WITH THE NAME PLATE DATA AT THE TIME OF MANUFACTURE. H.V.A.C. UNITS HAVING KVA RATINGS LARGER THAN THAT INDICATED ON THIS PANEL SCHEDULE SHALL NOT BE ALLOWED TO BE INSTALLED ON THIS BUILDING.
C. IF 60 DEGREES WIRE IS TO BE USED IN THIS INSTALLATION, CALCULATIONS DEMONSTRATING AMPACITY SHALL BE PROVIDED WITH THE DRAWING.

GENERAL NOTES

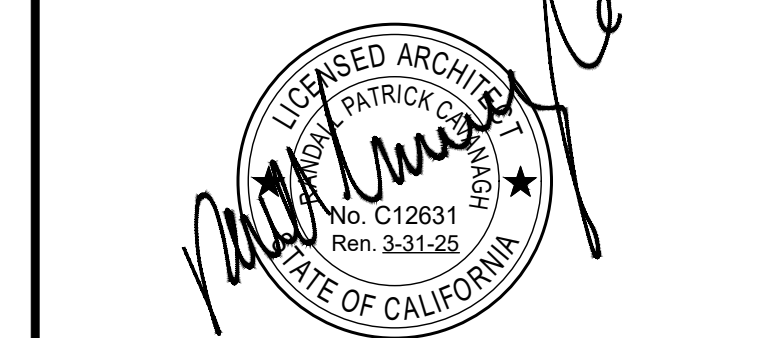
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Δ DESCRIPTION	DATE
Δ ADDENDUM "A"	3/20/25



SITE SPECIFIC PROJECT NAME

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



THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS	
1	
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DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:

RESTROOM OPTIONS
PLUMBING PLAN
& FIXTURE SCHEDULE

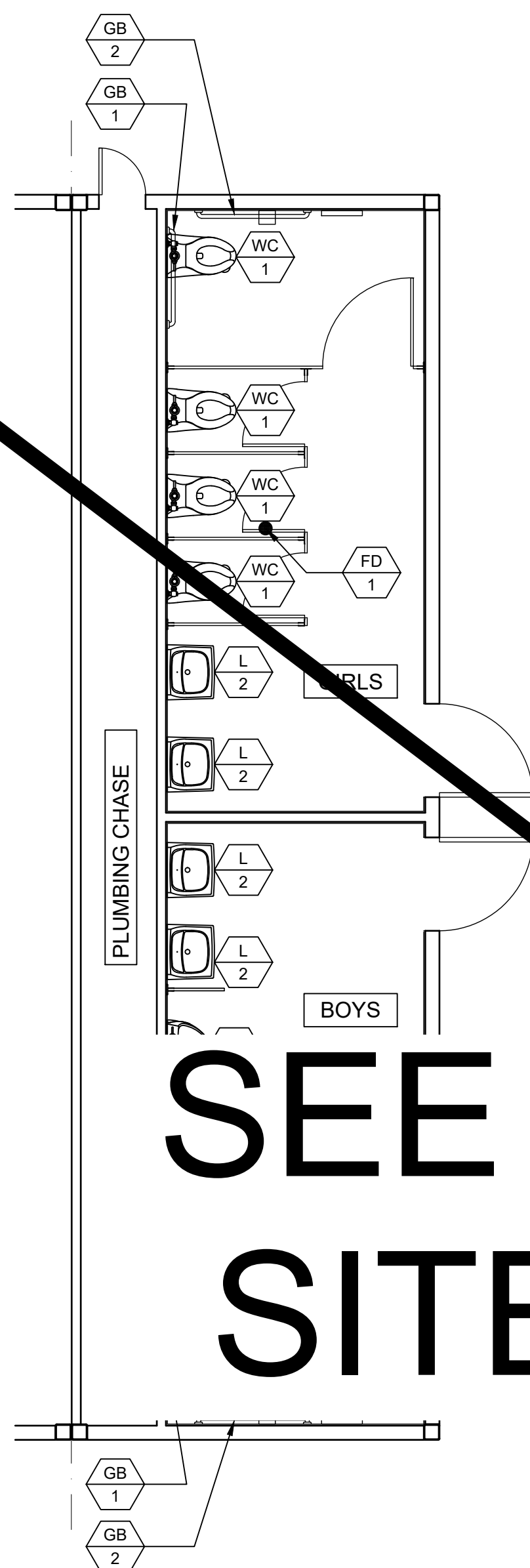
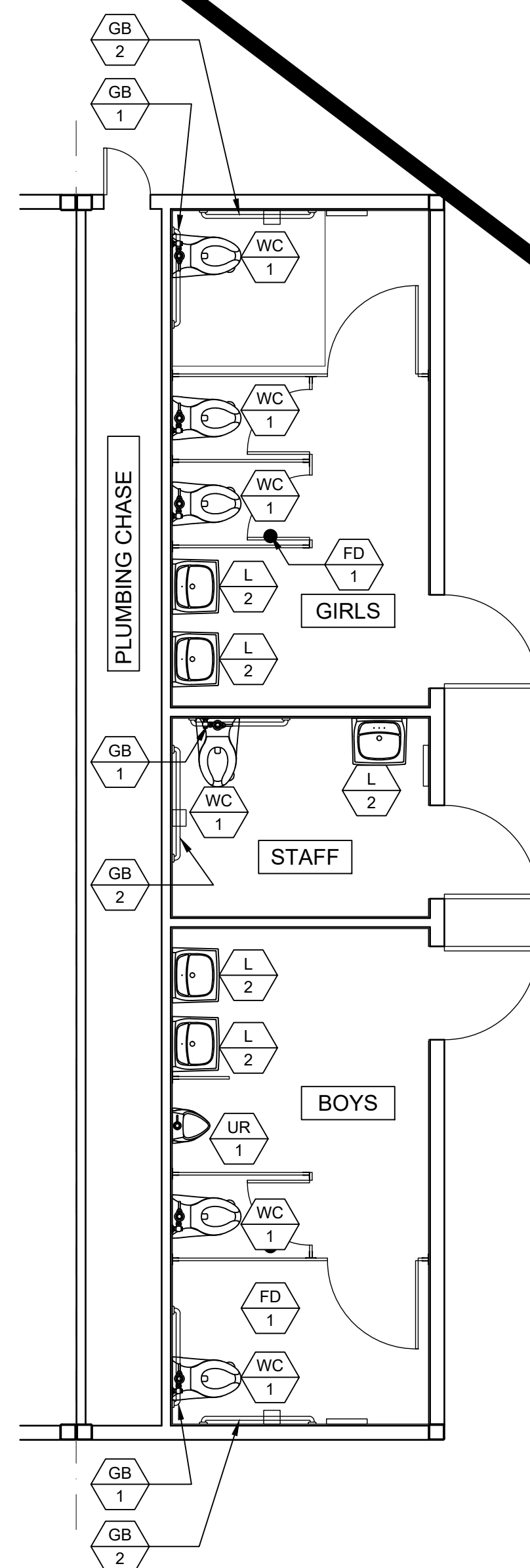
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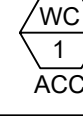
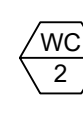
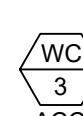
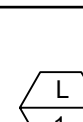

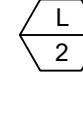
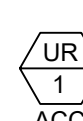
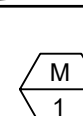
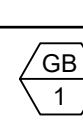
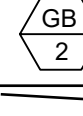
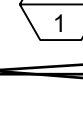
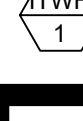


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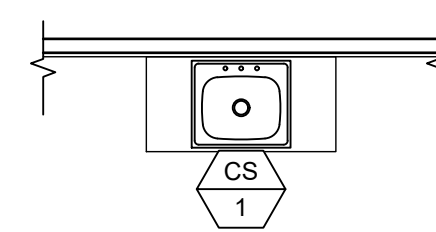
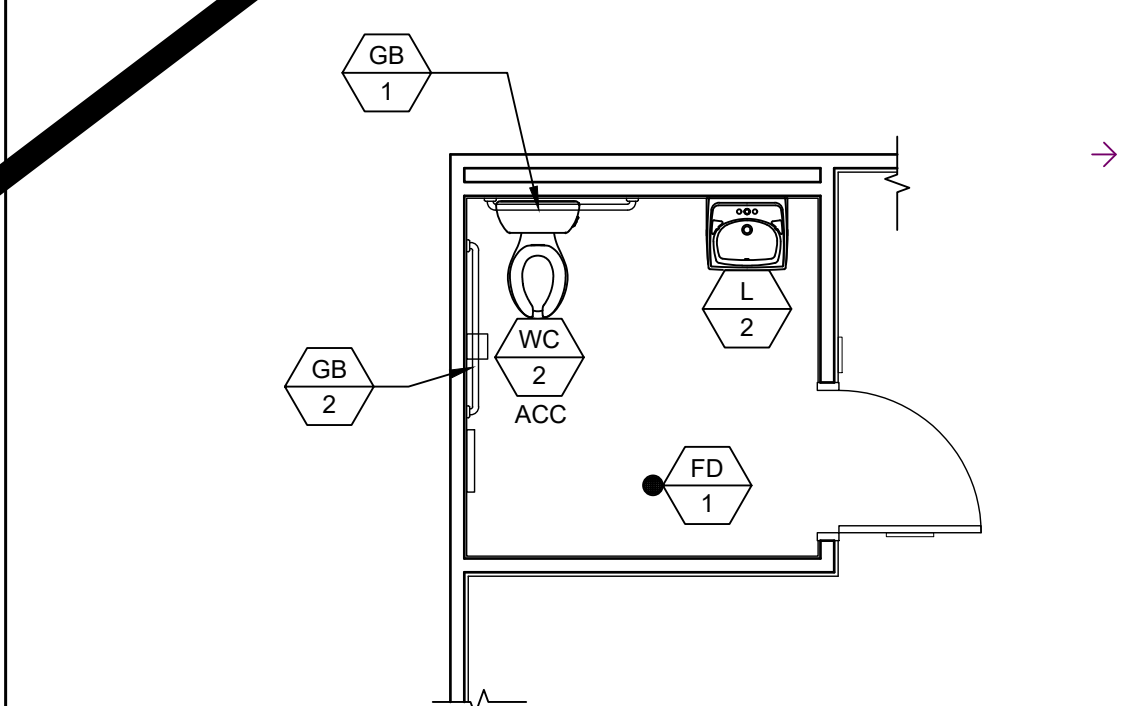
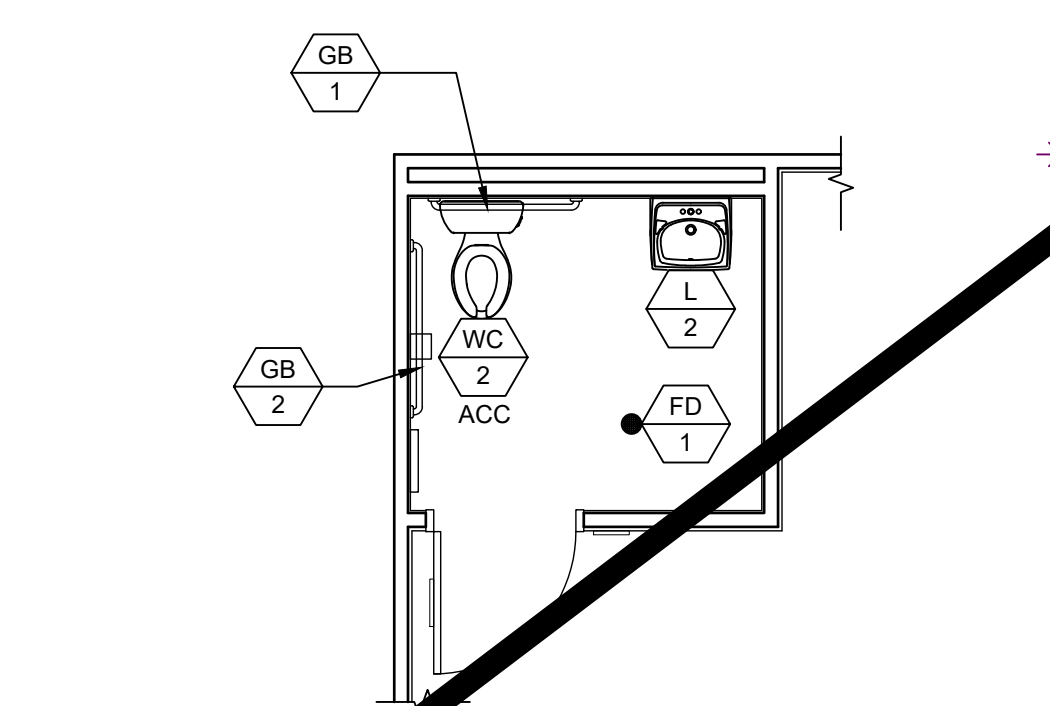
ADDENDUM "A"



MARK	FIXTURE ¹	TYPE AT KINDERGARTEN (AGES 3-4)	TYPE AT ELEMENTARY (AGES 5-8)	TYPE AT MIDDLE SCHOOL (AGES 9-12)	TYPE AT HIGH SCHOOL (AGES 13-ADULT)	REMARKS
	WALL MOUNT WATER CLOSET	CANNOT USE	CANNOT USE	KOHLER KINGSTON [®] MODEL K-4325 OR EQUAL, LOWEST 41-1/2" A.F.F. 17" HIGHEST TO TOP OF SEAT w/ BEMIS 1955SSCT TOILET SEAT OR EQUAL	KOHLER KINGSTON [®] MODEL K-4325 OR EQUAL, LOWEST AT 17" A.F.F. 17" HIGHEST TO TOP OF SEAT w/ BEMIS 1955SSCT TOILET SEAT OR EQUAL	FLUSH VALVE ZURN MODEL Z6000AV4ET-1.28 G.P.F. OR EQUAL. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10P2.0.
	FLOOR MOUNT TANK TYPE	AMERICAN STANDARD [®] MODEL 4019.828 w/BEMIS 1955SSCT OR EQUAL TOILET SET	AMERICAN STANDARD [®] 4019.82 W/22059F-SEAL 2" HIGH MAX. #3128.001 FOR BOWL. #4019.828 LEFT TANK. #4019.828 RIGHT TANK	KOHLER "WELLWORTH" MODEL K-3989 OR EQUAL TOILET SEAT	KOHLER "WELLWORTH" MODEL K-3989 OR EQUAL w/BEMIS 1955SSCT OR EQUAL TOILET SEAT	WC/2 FLOOR MAX FLOW RATE OF 1.28 G.P.F. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10P2.0.
	FLOOR MOUNT FLUSH VALVE	KOHLER "PRIMARY" MODEL K-86064 OR EQUAL. w/BEMIS 1955SSCT TOILET SEAT OR EQUAL	KOHLER "PRIMARY" MODEL K-86064 OR EQUAL. w/2L2050 2" HIGH MAX TOILET SEAT OR EQUAL	FLOOR MOUNT FLUSH VALVE TYPE: KOHLER WELLCOMME ULTRA [®] MODEL K-36653 OR EQUAL w/BEMIS 1955SSCT OR EQUAL TOILET SEAT	FLOOR MOUNT FLUSH VALVE TYPE: KOHLER HIGHCLIFF ULTRA [®] MODEL K-96057 OR EQUAL w/BEMIS 1955SSCT OR EQUAL TOILET SEAT	FLUSH VALVE ZURN MODEL Z6000AV4ET-1.28 G.P.F. OR EQUAL. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10P2.0.
	BOY/GIRLS LAVATORY	KOHLER "KINGSTON" MODEL K-2007-0				BOY/GIRL RESTROOM - ZURN MODEL Z86100-XL-3M - COLD WATER ONLY. SINGLE SPOUT MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10P2.0 - FLOW RATE OF 0.5 G.P.M. METER FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MIN.
	ADULT LAVATORY	KOHLER "KINGSTON" MODEL K-2005-0				ADULT RESTROOM - ZURN MODEL Z7440-XL-FC HOT/COLD WATER - 4" ON CENTER HOLE. MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10P2.0 - FLOW RATE OF 0.5 G.P.
	URINAL	WALL MOUNT TYPE KOHLER MODEL DEXTER K-5452-ET-0 OR EQUAL. FLOW RATE = 0.125 gpf				FLUSH VALVE ZURN MODEL Z6003-AV (0.125gpf) OR EQUAL. MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10P2.0
	MIRROR	WALL MOUNT TYPE BOBICK MODEL B165 18X30 OR EQUAL				MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE MIRROR PER SCHEDULE 10P2.0
	36" GRAB BARS	WALL MOUNT TYPE MOEN MODEL 8736 & 8746 (1 1/4" CONCEALED SCREW 36" & 48") OR EQUAL				18 GA. 304 STAINLESS STEEL SATIN FINISH MOUNT AS SPECIFIED IN FLOOR PLANS AND PER SCHEDULE 10P2.0 (STRUCTURAL STRENGTH OF GRAB BARS 250# MIN.)
	48" GRAB BARS					
	WATER HEATER	RUEHEIM 20 GALLON ELECTRIC WATER HEATER. MODEL PROE20-1-RH-PDU 240 VOLT SINGLE PHASE				AVAILABLE IN 6, 10, 20 AND 30 GALLON MODELS (MAX WATER HEATER WEIGHT) PER 6M1.4 OR 1P2.0
	INSTANT-TEMP WATER HEATER	CHRONOMITE INSTANT-TEMP WATER HEATER MODEL M20L/208 INSTANT				CHRONOMITE MODEL M20L/208 OR EQUAL. SEE DETAIL 7P2.0
						ZURN 843-M-RC OR EQUAL
						CATLIN CBK110CP OR EQUAL
						LOCATE AS SPECIFIED ON FLOOR PLANS. PROVIDE GRATE WITH MAX 1/2" OPENING MEASURED IN BOTH DIRECTIONS
						LOCATE AS SPECIFIED ON FLOOR PLANS. (FLOOR DRAIN TO BE USED ON CONCRETE ONLY.) PROVIDE GRATE WITH MAX 1/2" OPENINGS, MEASURED IN BOTH DIRECTIONS
	CLASSROOM SINK	DAYTON MODEL D12521 25"x21-1/4" SINGLE BOWL SINK OR EQUAL				FAUCET - ZURN MODEL Z2871-B4-XL W/WRIST BLADES. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10P2.0
	DRINKING FOUNTAIN	ELKAY MODEL EDFP2717C WALL MOUNT WATER FOUNTAIN OR EQUAL				
	HOSE BIBB	STANDARD HOSE BIBB ARROWHEAD MODEL 350LKF OR EQUAL				LOCATE AS SPECIFIED ON FLOOR PLANS.

NOTES:

1. ALL WATER FIXTURES MUST MEET REQUIREMENTS OF CAL-GREEN TITLE 24, PART 11, SECTION 5.303.3. WATER CONSERVING PLUMBING FIXTURES & FITTINGS
2. FOR OPTIONAL ACCESSIBLE FLOOR-MOUNT WATER CLOSET. SEE PLUMBING SCHEDULE MARK WC/3 (NOT SHOWN ON PLAN).
3. NOT ALL ITEMS LISTED MAY OCCUR IN THIS PROJECT.
4. THERE SHOULD BE NO SHARP OR ABRASIVE SURFACES UNDER LAVS OR SINKS.
5. REFER TO DETAIL 10/P2.0 FOR SCHEDULE OF ACCESSIBLE HEIGHTS AT FIXTURES.



SINGLE TOILET PLAN

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

SINGLE TOILET PLAN
SIDE WALL APPROACH - AGE RANGE: 13-ADULT

SCALE: 1/4" = 1'

7	CLASSROOM SINK PLAN
---	---------------------

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

PLUMBING FIXTURE SCHEDULE

 = PLUMBING FIXTURE I.D. - SEE SCHEDULE ABOVE

SYMBOLS LEGEND

PLANS SHALL MEET ENERGY CODE 120.3 FOR PIPE INSULATION. ALL WATER HEATERS SHALL HAVE R7 0" HOT AND COLD LINES TO THE FIRST 8 FEET FROM WATER HEATER (TANK TYPE AND INSTANT). SECTION 609.12 REQUIRES HOT WATER PIPING FROM THE WATER HEATER TO THE FIXTURE (CONTROL VALVE) BE INSULATED TO A MINIMUM WALL THICKNESS OF NOT LESS THAN THE DIAMETER OF THE PIPE FOR A PIPE UP TO 2 INCHES (50 MM) IN DIAMETER. INSULATION WALL THICKNESS SHALL BE NOT LESS THAN 2 INCHES (51 MM) FOR A PIPE OF 2 INCHES (50 MM) OR MORE IN DIAMETER. PER PLUMBING CODE 609.12 UPDATE PLANS TO SHOW HOW THE HOT WATER PIPING IS INSULATED FROM THE WATER HEATER TO THE FIXTURE (CONTROL VALVE) TO A MINIMUM WALL THICKNESS OF NOT LESS THAN THE DIAMETER OF THE PIPE. INSTANTANEOUS WATER HEATERS WITH AN INPUT GREATER THAN 6.8 KBTU/HR OR 2 KW (ALL INSTANTANEOUS ARE OVER 4KW) SHALL HAVE ISOLATION VALVES ON BOTH THE INCOMING COLD WATER SUPPLY AND THE HOT WATER PIPE LEAVING THE WATER HEATER, TO ASSIST IN THE FLUSHING OF THE HEAT EXCHANGER AND HELP PROLONG THE LIFE OF THE WATER HEATERS PER ENERGY CODE 110.3(C).

PLUMBING NOTE:

MODULAR MFR. TO STUD THROUGH FLOOR ALL PLUMBING LINES. BUILDING PERIMETER POC'S SHOWN ARE FOR COORDINATION PURPOSES ONLY. ALL UNDER-FLOOR CONNECTIONS ARE BY SITE CONTRACTOR, U.O.N.

DIMENSIONS ARE TO FACE OF FINISH (F.O.F.) UNLESS NOTED OTHERWISE (F.O.C. <)

2. RESTROOM CONFIGURATION MAY VARY PER BUILDING CONFIGURATION.

3. RELOCATE MODULE OCCURS ONLY AT END OF BUILDING. SINGLE RESTROOM MAY OCCUR IN ANY PART OF A BUILDING.

4. RESTROOM MODULE CANNOT STAND ALONE AND SHALL BE ASSEMBLED TOGETHER WITH AT LEAST ONE OTHER 12'x40' MODULE.

5. INTERIOR WALLS MUST OCCUR THROUGHOUT BUILDING. REFER TO SHEET OR S81 FOR ATTACHMENTS.

6. REFER TO SCHEDULE 10P2 FOR ACCESSIBLE HEIGHTS AT TOILETS.

7. REFER TO DETAILS 1, 3, 4 & 5, SHEET A17 FOR TOILET PARTITION ANCHORING AND BLOCKING.

8. SEWER AND WATER STUB OUTS SHALL BE LOCATED WITHIN THE ALLOWED AREA AS SHOWN ON FLOOR PLAN AND CONNECTIONS SHALL BE EASILY ACCESSIBLE FOR FUTURE RELOCATION. STUB OUT HEIGHT SHALL BE COORDINATED BY THE MANUFACTURER.

9. PIPING MATERIAL:

a. WATER: COPPER TYPE "L", 95% SOLDER.

b. WASTE: DRAIN AND VENT: ABS.

10. REFER TO SHEET M1.0 FOR TYPICAL BRACING AND ANCHORAGE NOTES.

GENERAL NOTES

P1.0

PLEASE RECYCLE 

ISSUE	
Δ DESCRIPTION	DATE
Δ ADDENDUM "A"	3/20/25

KEYNOTES

GENERAL NOTES



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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
STANDARD MODULAR BUILDING
(LOW SEISMIC)

FORM®

SITE SPECIFIC PROJECT NAME

-
-

[illegible]

☐ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

ED 480

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

2

3	
4	

DRAWN BY: AA

SCALE:	AS NOTED
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DATE:	MM/DD/YYYY
PROJECT NO:	XXXX-22

SHEET TITLE:

BLUMBERG

PLUMBING

ISOMETRIC DRAWINGS

ISOMETRICS DRAWINGS

SHEET NUMBER:

1200

LP30

10.0

PLEASE RECYCLE

SHEET:

P3.0

ADDENDUM "A"

PLEASE RECYCLE