## **ABBREVIATIONS**

ABBREVIATIONS WHEN USED IN THESE DOCUMENTS SHALL CONFORM TO THE FOLLOWING LIST UNLESS OTHERWISE NOTED. INDIVIDUAL DRAWINGS (SUCH AS CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL) MAY CONTAIN SPECIFIC REFERENCES AND LEGENDS WITH INTERPRETATIONS INTENDED ONLY FOR THOSE DRAWINGS.

x		FIN.	FINISH	P.O.C.	POINT OF CONNECTION
- -	ANGLE	FL.	FLOOR	PR.	PAIR
<u>ي</u> ۲	AT CENTERLINE	FLASH. F.O.C.	FLASHING FACE OF CONCRETE	PRCST. PREFIN.	PRECAST PREFINISHED
, 5		F.O.F.	FACE OF FINISH	PREFIN. PROJ.	PROJECT
		F.O.M.	FACE OF MASONRY	PT.	POINT
-		F.O.P.	FACE OF PLYWOOD	P.T.D.	PAPER TOWEL DISPENSER
E)	EXISTING	F.O.S.	FACE OF STUDS	P.D.T.R.	COMBINATION PAPER TOWEL
1)	NEW	F.U.S. FRPF.		P.D.I.R.	
			FIRE PROOF	DTN	DISPENSER AND RECEPTACLE
.В.	ANCHOR BOLT	F.R.P.	FIBER REINFORCED PANEL	PTN.	PARTITION
/C	AIR CONDITIONING	F.R.T.	FIRE RETARDANT TREATED	P.T.R.	PAPER TOWEL RECEPTACLE
.C.	ASPHALT CONCRETE	FT.	FOOT OR FEET	0.7	
COUST.	ACOUSTICAL	FTG.	FOOTING	Q.T.	QUARRY TILE
.D.	AREA DRAIN	FURR.	FURRING		
DJ.	ADJUSTABLE	FUT.	FUTURE	R.	RADIUS
GG.	AGGREGATE			R.A.	RETURN AIR
LUM.	ALUMINUM	G.	GAS	R.B.	RUBBER BASE
LT.	ALTERNATE	GA.	GAGE	R.D.	ROOF DRAIN
PPROX.	APPROXIMATE	GALV.	GALVANIZED	REF.	REFERENCE
RCH.	ARCHITECTURAL	G.B.	GRAB BAR	REFR.	REFRIGERATOR
	(OR ARCHITECT)	G.I.	GALVANIZED IRON	REINF.	REINFORCED
SPH.	ASPHALT	GND.	GROUND	REQ.	REQUIRED
UTO.	AUTOMATIC	GR.	GRADE	RESIL.	RESILIENT
		GYP.	GYPSUM	RM.	ROOM
EL.	BELOW			R.O.	ROUGH OPENING
ET.	BETWEEN	H.	HIGH	R.O.W.	RIGHT-OF-WAY
D.	BOARD	H.B.	HOSE BIB	RDWD.	REDWOOD
LDG.	BUILDING	H.C.	HOLLOW CORE	RWL.	RAIN WATER LEADER
LK.	BLOCKING	HD.	HEAD		
M.	BEAM	HDWD.	HARDWOOD	S.	SOUTH
.O.	BOTTOM OF	HGT.	HEIGHT	S.A.	SUPPLY AIR
.0. OT.	воттом	H.M.	HOLLOW METAL	S.C.	SOLID CORE
.U.R.	BUILT-UP ROOF	HORIZ.	HORIZONTAL	S.C.D.	SEAT COVER DISPENSER
.о.н. RD.	BOILT-OP ROOF BOARD	HR.	HOUR	SCHED.	SCHEDULE
. <b>.</b>		H.V.A.C.	HEATING VENTILATING, AND	S.D.	STORM DRAIN
A D	CADINET	11.V.A.U.	AIR CONDITIONING	S.D. S.DISP.	SOAP DISPENSER
AB.		H.W.H.	HOT WATER HEATER	S.DISP. SECT.	SOAP DISPENSER SECTION
.B.	CATCH BASIN	п.W. <b>H</b> .			
.G.	CORNER GUARD			S.F.	SQUARE FOOT (FEET)
.l.	CAST IRON	I.D.		SH.	SHELF
.J.	CONTROL JOINT	IN.	INCHES	SHR.	SHOWER
LG.	CEILING	INCL.	INCLUDING, INCLUDES	SHT.	SHEET
LO.	CLOSET	INSUL.	INSULATION	SHTG.	SHEATHING
LR.	CLEAR	INT.	INTERIOR	SIM.	SIMILAR
NTR.	COUNTER	INV.	INVERT	S.M.S.	SHEET METAL SCREW
OL.	COLUMN	I.P.S.	IRON PIPE SIZE	S.N.D.	SANITARY NAPKIN DISPOSAL
.M.U.	CONCRETE MASONRY UNIT			S.N.V.	SANITARY NAPKIN VENDOR
ONC.	CONCRETE	JAN.	JANITOR	S.O.V.	SHUT OFF VALVE
ONN.	CONNECTION	JB.	JAMB	SPEC.	SPECIFICATIONS
ONSTR.	CONSTRUCTION	JT.	JOINT	SQ.	SQUARE
ONT.	CONTINUOUS	JST	JOIST	ST.STL.	STAINLESS STEEL
ONTR.	CONTRACTOR			S.S.	SERVICE SINK
ORR.	CORRIDOR	К.	KITCHEN	S.T.	SELF TAPPING
TR.	CENTER			STA.	STATION
TSK.	COUNTERSUNK	L.	LONG	STD.	STANDARD
.Y.	CUBIC YARD	LAB.	LABORATORY	STL.	STEEL
·. T.	COBIC TAND	LAM.	LAMINATE	STOR.	STORAGE
BL.	DOUBLE	LAV.	LAVATORY	STRUCT.	STRUCTURAL
		LKR.	LOCKER	SUSP.	SUSPENDED
EPT.	DEPARTMENT	LT.	LIGHT	S.V.	SHEET VINYL
ET.		L1.	LIGHT	S.Y.	SQUARE YARD
.F.		MAX.	MAXIMUM	SYM.	SYMMETRICAL
.l.				5111.	STMIMETRICAL
IA	DIAMETER	M.B.		TD	
IAG.	DIAGONAL	M.C.	MEDICINE CABINET	T.B.	TOWEL BAR
IM.	DIMENSION	MATL.	MATERIAL	T.C.	
ISP.	DISPENSER	MECH.	MECHANICAL	TEL.	TELEPHONE
N.	DOWN	MET.	METAL	TEMP.	TEMPERED
.0.	DOOR OPENING	MFR.	MANUFACTURER	TERR.	TERRAZO
P.	DEEP	MH.	MANHOLE	T&G	TONGUE AND GROOVE
R.	DOOR	MIN.	MINIMUM	THK.	THICK
S.	DOWNSPOUT	MISC.	MISCELLANEOUS	T.P.D.	TOILET PAPER DISPENSER
о. W.	DOMESTIC WATER	М.О.	MASONRY OPENING	T.O.M.	TOP OF MASONRY
WG.	DRAWING	MOD.	MODULE, MODULAR	T.PL.	TOP OF PLATE
WR.	DRAWER	MTD.	MOUNTED	T.O.S.	TOP OF STEEL
		MUL.	MULLION	TRD.	TREAD
	EAST			T.S.R.	TOP SET RUBBER
А.	EACH	N.	NORTH	T.V.	TELEVISION
н. .J.	EXPANSION JOINT	N.I.C.	NOT IN CONTRACT	T.W.	TOP OF WALL
.J. LEV.	ELEVATION		(N.I.C. ITEMS NOT PART	TYP.	TYPICAL
			OF THIS APPROVAL)		
LEC.	ELECTRICAL EMBEDMENT	NO. OR #	NUMBER	UNF.	UNFINISHED
MBED.		NO. OR #	NOMINAL	U.O.N.	UNLESS OTHERWISE NOTED
NCL.	ENCLOSURE	N.T.S.	NOT TO SCALE	UR.	URINAL
NGR.		N. I.J.	NOT TO SURLE	Un.	
P.B.	ELECTRICAL PANEL BOARD	O/	OVER	V.B.	VINYL BASE
Q.	EQUAL	0/ O.A.		v.в. V.C.T.	
QUIP.			OVERALL		
.W.C.	ELECTRIC WATER COOLER	OBS.	OBSCURE	VCTB	
XP.	EXPANSION	0.C.	ON CENTER	VWC	VINYL WALLCOVERING
XIST.	EXISTING	O.D.		VERT.	VERTICAL
хт	EXTERIOR	OFF.	OFFICE	VEST.	VESTIBULE
		O.H.	OPPOSITE HAND		
А.	FIRE ALARM	O.H.M.S.	OVAL HEAD MACHINE SCREW	W.	WEST
В.	FLAT BAR	O.H.W.S.	OVAL HEAD WOOD SCREW	W/	WITH
	FLOOR DRAIN	OPNG.	OPENING.	W.C.	WATER CLOSET
.D.	FOUNDATION	OPP.	OPPOSITE	WWF	WELDED WIRE FABRIC
.D. DN		P.E.N.	PLYWOOD EDGE NAILING	WD.	WOOD
DN.	FIRE EXTINGUISHER	PL.	PLATE	W/O	WITHOUT
DN. E.		P. LAM.	PLASTIC LAMINATE	WP.	WATERPROOF
DN. .E.				VVF.	MALLITHOUF
DN. .E. .E.C.	AND CABINET			W/ D	WATED DECICTANT
DN. .E. .E.C. .F.E.	AND CABINET FINISH FLOOR ELEVATION	PL.	PLATE	W.R.	WATER RESISTANT
DN. E. E.C. F.E. H.C.	AND CABINET FINISH FLOOR ELEVATION FIRE HOSE CABINET	PL. PLAS.	PLATE PLASTER	W.S.	WOOD SCREW
DN. E. E.C. F.E.	AND CABINET FINISH FLOOR ELEVATION	PL.	PLATE		

# **NEW MODULAR FOOD SERVICE BUILDING AT KINGS LAKE EDUCATION CENTER**

1128 S. DAIRY AVENUE, CORCORAN, CA 93212

# **CORCORAN JOINT UNIFIED SCHOOL DISTRICT**

1520 PATTERSON AVENUE, CORCORAN, CA 93212

CONSULTANTS	VICINITY MAP	SHEE
ARCHITECT CHRISTOPHER D. McLAIN MANGINI ASSOCIATES, INC. 4320 W. MINERAL KING AVE., VISALIA, CA 93291 PHONE: 559.627.0530 FAX: 559.627.1926	1128 S. DAIRY AVENUE N.T.S. CORCORAN, CA 93212	GENERAL II GS-1 COVER GS-2 DEMO S GS-3 ENLARG
CIVIL ENGINEER WA VANG RCE-73146 LANE ENGINEERS INC. 979 NORTH BLACKSTONE STREET, TULARE, CA 93274 PHONE: 559.688.5263 FAX: 559.688.8893		GS-4 DETAILS CIVIL C1.1 PARTIAL PLUMBING
MECHANICAL ENGINEERRYAN CARLSONM-34846LAWRENCE ENGINEERING GROUP7084 N. MAPLE AVE., SUITE 101, FRESNO, CA 93720PHONE: 559.431.0101FAX: 559.733.1362		P1.0 PLUMBII P2.0 PLUMBII P3.0 PLUMBII ELECTRICA EG1.1 ELECTR
ELECTRICAL ENGINEERSTEVE EASTHAMROSE SING EASTHAM & ASSOCIATES131 S. DUNWORTH ST., VISALIA, CA 93292PHONE: 559.733.2671FAX: 559.733.0372		EG1.2 POWER ES1.1 SITE ELI E1.1 ONE LIN E1.2 DETAILS E2.1 FIRE ALI E2.2 FIRE ALI CALCUL
	SYMBOL LEGEND         DOOR NUMBER       •         FRAME TYPE       •         FINISH MATERIAL       •	E2.3 FIRE ALA
PROJECT CONSISTS OF THE CONSTRUCTION OF (1) NEW MODULAR FOOD SERVICE BUILDING AND RELATED SITE WORK.	WALL ASSEMBLY ELEVATION NUMBER INTERIOR ELEVATION SHEET NUMBER BLDG. SECTION NUMBER SHEET NUMBER O SHEET NUMBER O O O O O O O O O O O O O	
DEFERRED APPROVALS	<b>GENERAL NOTES</b> 1. CUTTING, BORING, SAW CUTTING, OR DRILLING THROUGH NEW OR EXISTING STRUCTURAL MEMBERS WILL BE PERMITTED ONLY WHERE INDICATED ON THE DRAWINGS, OR WHEN ACCEPTED BY THE APOHITECT	
ADDRESS AND	<ul> <li>DRAWINGS, OR WHEN ACCEPTED BY THE ARCHITECT.</li> <li>CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGED DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.</li> <li>GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS, AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.</li> <li>THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317 (c), PART 1, TITLE 24, CCR).</li> <li>THE DRAWINGS AND SPECIFICATIONS ARE BASED ON LIMITED FIELD INVESTIGATION. CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS PRIOR TO THE BID NECESSARY TO ACCOMPLISH THE WORK WHETHER SPECIFICALLY INDICATED OR NOT.</li> <li>THE STORAGE OF MATERIAL AND EFFECTS OF WORK SHALL BE APPROVED BY LOCAL FIRE AUTHORITY. COMPLY WITH CALIF. FIRE CODE CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION. COMPLY WITH CBC CHAPTER 33, SAFETY DURING CONSTRUCTION.</li> </ul>	

## ET INDEX (XX SHEETS TOTAL)

**INFORMATION** 

R SHEET, SHEET INDEX, & VICINITY MAP SITE PLAN, NEW SITE PLAN RGED SITE PLAN, DETAILS

IAL TOPOGRAPHIC SURVEY

IBING SITE PLAN IBING DEMO & NEW SITE PLAN **BING DETAILS & SCHEDULES** 

TRICAL SYMBOLS, CODES AND NOTES

ER COMPLIANCE ELECTRICAL PLANS

LINE DIAGRAM ILS PANEL SCHEDULES

ALARM SYSTEM EQUIP. SPECS, CODES AND NOTES ALARM SYSTEM RISER DIAGRAM AND

ULATIONS ALARM DETAILS

STATEMENT OF GENERAL CONFORMANCE FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

- $\ensuremath{\boxtimes}$  The drawings or sheets listed on the cover or index sheet
- This drawing, page of specifications/calculations have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. it has been examined by me for:
- design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
- coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344 OF TITLE 24, PART 1 (TITLE 24, PART 1, SECTION 4-317 [b])

All drawings or sheets listed on the cover or index sheet find that: This drawing or page

is/are in general conformance with the project design intent, and has/have been coordinated with the project plans and specifications

SIGNATURE OF THE ARCHITECT/ ENGINEER

ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE
JAMES R. MORRELLI PRINT NAME

DATE

5.31.2025 EXPIRATION DATE

MODULAR BUILDING

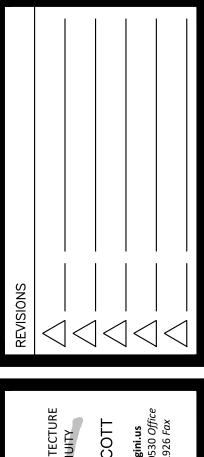
C-33128 LICENSE NUMBER

	ULAR BUILDING
TS	TITLE SHEET
TS2	SHEET INDEX
152 D1	FORM DSA-103
N1.0	GENERAL NOTES & SPECIFICATIONS
N1.0A	BELOW GRADE CONCRETE MIX DESIGN REQUIREMENTS
N2.0	GENERAL NOTES & SPECIFICATIONS
N3.0	TYPICAL SCHEDULES: DOORS, WINDOWS, & FINISHES
N4.0	ACCESSIBILITY STANDARDS AND DETAILS
EN.1	ENERGY CALCULATIONS
EN.2	ENERGY CALCULATIONS
EN.3	ENERGY CALCULATIONS
EN.4	ENERGY CALCULATIONS
EN.5	ENERGY CALCULATIONS
EN.6	ENERGY CALCULATIONS
A1.0	TYPICAL FLOOR PLAN
A1.2	RESTROOM FLOOR PLAN
A2.0	TYPICAL ROOF PLAN METAL STANDING SEAM
A2.1	TYPICAL ROOF DETAILS METAL STANDING SEAM
	ROOFING
A4.0	INTERIOR ELEVATIONS TYPICAL CLASSROOMS
A4.1	INTERIOR ELEVATIONS RESTROOMS OPTIONS
A5.2	TYP. EXTERIOR ELEVATIONS - STUCCO OPTION
A5.3	TYP. ARCHITECTURAL DETAILS - STUCCO OPTION
A7.1	MISCELLANEOUS ARCHITECTURAL DETAILS
A7.3	TYPICAL LONGITUDINAL AND TRANSVERSE FRAME
/ // .0	SECTIONS
S0.0	STEEL MEMBER PROPERTIES
S1.0	CONCRETE FOUNDATION PLANS CONCRETE FLOORS
51.0	(100 PSF MAX FLOOR LIVE LOAD)
S1.4	CONCRETE FOUNDATION DETAILS
S1.4 S1.5	CONCRETE FOUNDATION DETAILS
S1.6C	DOUBLE PLATE ANCHORAGE FOUNDATION DETAILS
S1.6C S1.7	CONCRETE FOUNDATION OPTIONAL UTILITY OPENINGS
51.7	IN FOOTINGS
00.0	
S3.3	FLOOR FRAMING PLAN & DETAILS FOR CONCRETE
0.4.4	FLOOR 3WXH DECK OPTION (100 PSF MAX FLOOR L.L.)
S4.1	ROOF FRAMING PLAN & DETAILS ROOF SHEATHING
<b>0</b> / -	
S4.3	ROOF FRAMING DETAILS ROOF SHEATHING OPTION
S5.0	MOMENT FRAME ELEVATIONS & DETAILS
S5.1	MOMENT FRAME CONNECTION DETAILS
S5.4A	OPTIONAL SIDE WALL CANOPY PLAN & DETAILS
S8.0	WALL FRAMING ELEVATIONS & SCHEDULES - WOOD
	STUDS
S8.1	WALL FRAMING DETAILS - WOOD STUDS
M1.0	TYPICAL REFLECTED CEILING PLANS
M1.1	TYPICAL MECHANICAL PLAN
M1.4	MECHANICAL AND CEILING DETAILS
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M1.6	MECHANICAL ROOF DETAILS
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P1.0	RESTROOM OPTIONS PLUMBING PLANS & FIXTURE
	SCHEDULE
P2.0	PLUMBING DETAILS & ACCESSIBLE DETAILS



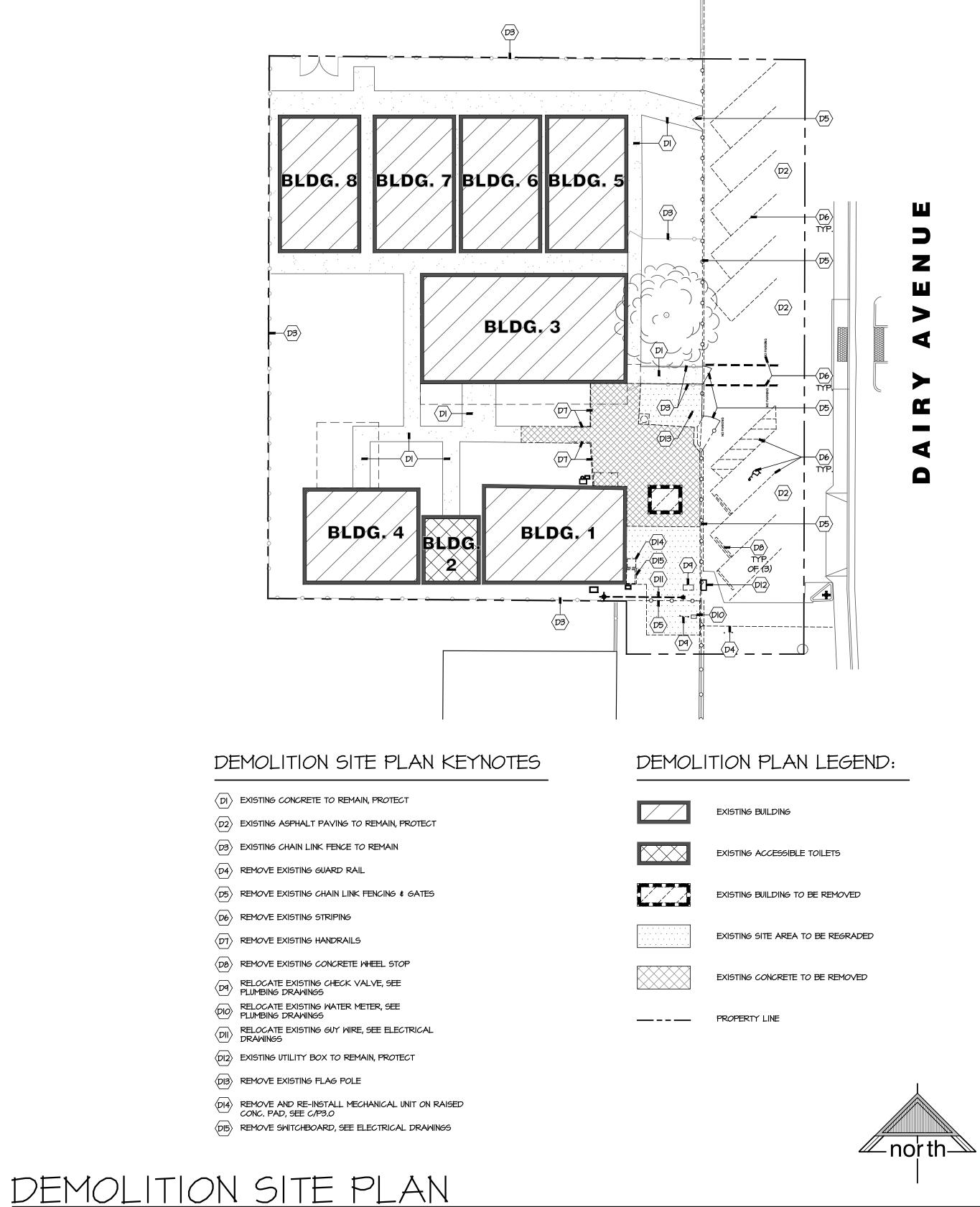


## CENTER ERVICE TRIC<sup>-</sup> Ś S C 00 0 Ĺ DD 0 Ž KINGS CORCOI NEW

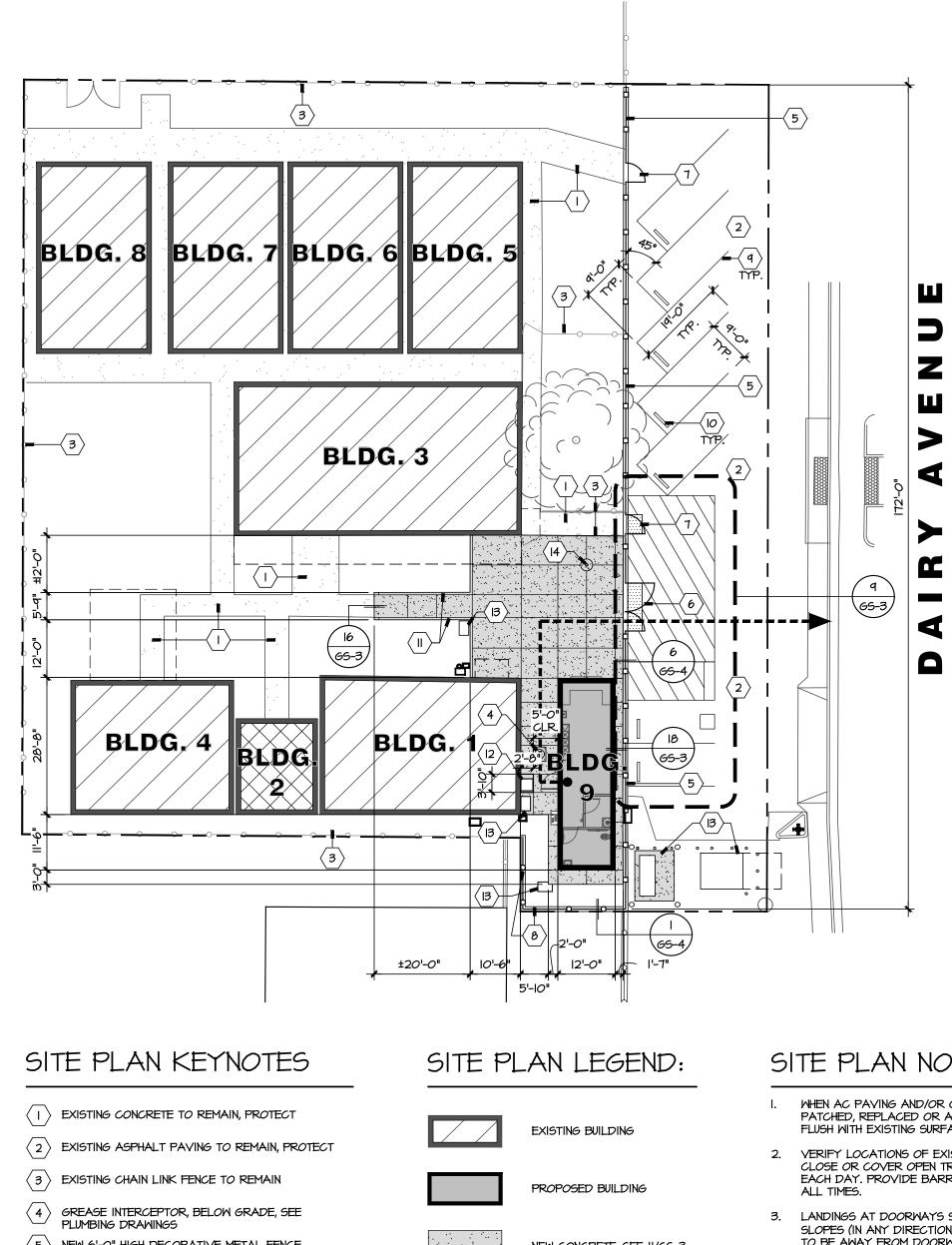




PROJECT \_\_\_\_\_2143



|"=2*0'-0*"



- 5 NEW 6'-0" HIGH DECORATIVE METAL FENCE, SEE 9/69-4  $\begin{pmatrix} 6 \end{pmatrix}$  NEW DOUBLE LEAF DECORATIVE METAL GATE, SEE  $\delta/GS-4$
- (7) NEW SINGLE LEAF ACCESSIBLE DECORATIVE METAL GATE, SEE 1/GS-4
- (b) NEW 6'-0" HIGH CHAIN LINK FENCE, SEE 3/65-4
- $\langle q \rangle$  4" WIDE WHITE STRIPING, TYP.
- $\langle 10 \rangle$  NEW CONCRETE WHEEL STOP, SEE 17/65-3
- $\langle II \rangle$  NEW 6" CONCRETE CURB
- $\langle 12 \rangle$  raise existing mechanical unit, see C/P3.0
- (13) NEW ELECTRICAL EQUIPMENT AND BARRIER POSTS, SEE ELECTRICAL DRAWINGS
- $\langle I4 \rangle$  NEW FLAG POLE, SEE 25/SD3
- NEW SITE PLAN |"=20'-0"

# ----- PROPERTY LINE

NEW CONCRETE, SEE 11/65-3

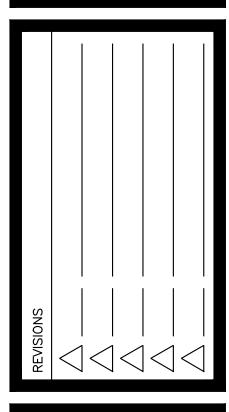
• - - - - • ACCESSIBLE PATH OF TRAVEL

## SITE PLAN NOTES:

- WHEN AC PAVING AND/OR CONCRETE WALKS ARE IDENTIFIED TO BE PATCHED, REPLACED OR ARE DAMAGED BY CONTRACTOR, PATCH FLUSH WITH EXISTING SURFACE AND MATCH EXISTING CONSTRUCTION.
- 2. VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO EXCAVATIONS. CLOSE OR COVER OPEN TRENCHES, ETC. PRIOR TO CEASING WORK EACH DAY. PROVIDE BARRICADES AT ANY UNSAFE CONDITION AT
- 3. LANDINGS AT DOORWAYS SHALL BE DETAILED AND SHALL HAVE SLOPES (IN ANY DIRECTION) NO GREATER THAN 1/4 AND 12. SLOPE TO BE AWAY FROM DOORWAYS.
- LOCATE AND VERIFY ALL (E) UTILITY BOXES. RAISE OR LOWER TO FLUSH WITH NEW CONCRETE OR FINISH GRADE, TYP.
- 5. ALL EXPOSED CONDUITS, UNISTRUT, FLASHINGS, ETC. ATTACHED TO EXISTING OR NEW BUILDINGS SHALL BE PAINTED TO MATCH THE ADJACENT WALL OR SURFACE OF THE EXISTING OR NEW BUILDINGS.
- 6. ALL UTILITY LINES RAN UNDER (E) CONC. WALKS 20' WIDE OR LASS SHALL BE BORED UNDER OR DEMOLISHED AND REPLACED JOINT TO JOINT.
- FOR NEW BUILDING "9" CONTRACTOR TO PROVIDE "ROOM I.D.", "EXIT", "ALS", "TOILET" AND ISA SIGNAGE AT ALL EXTERIOR DOORS, SEE 21/65-4.



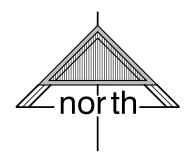
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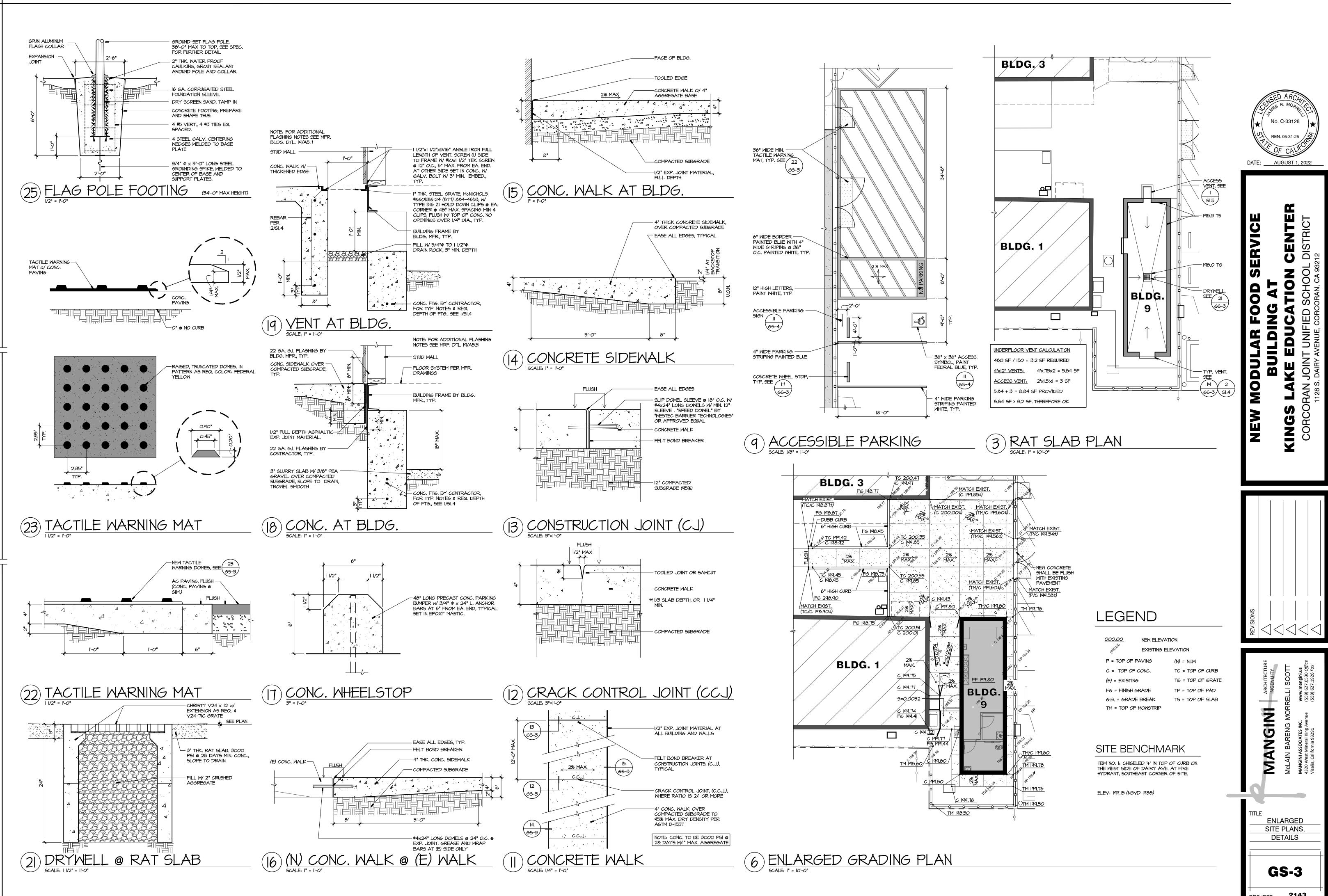




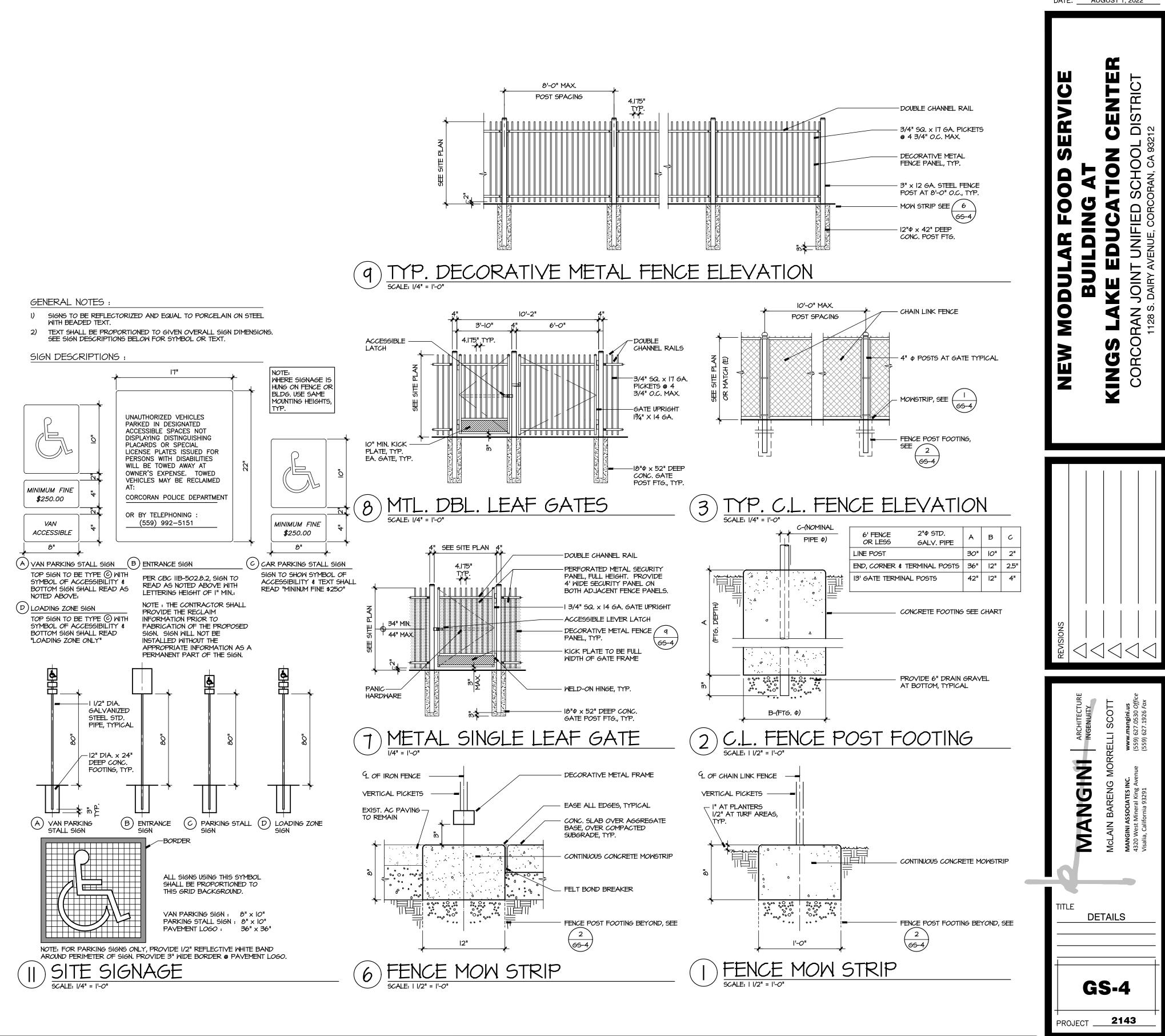
**GS-2** 

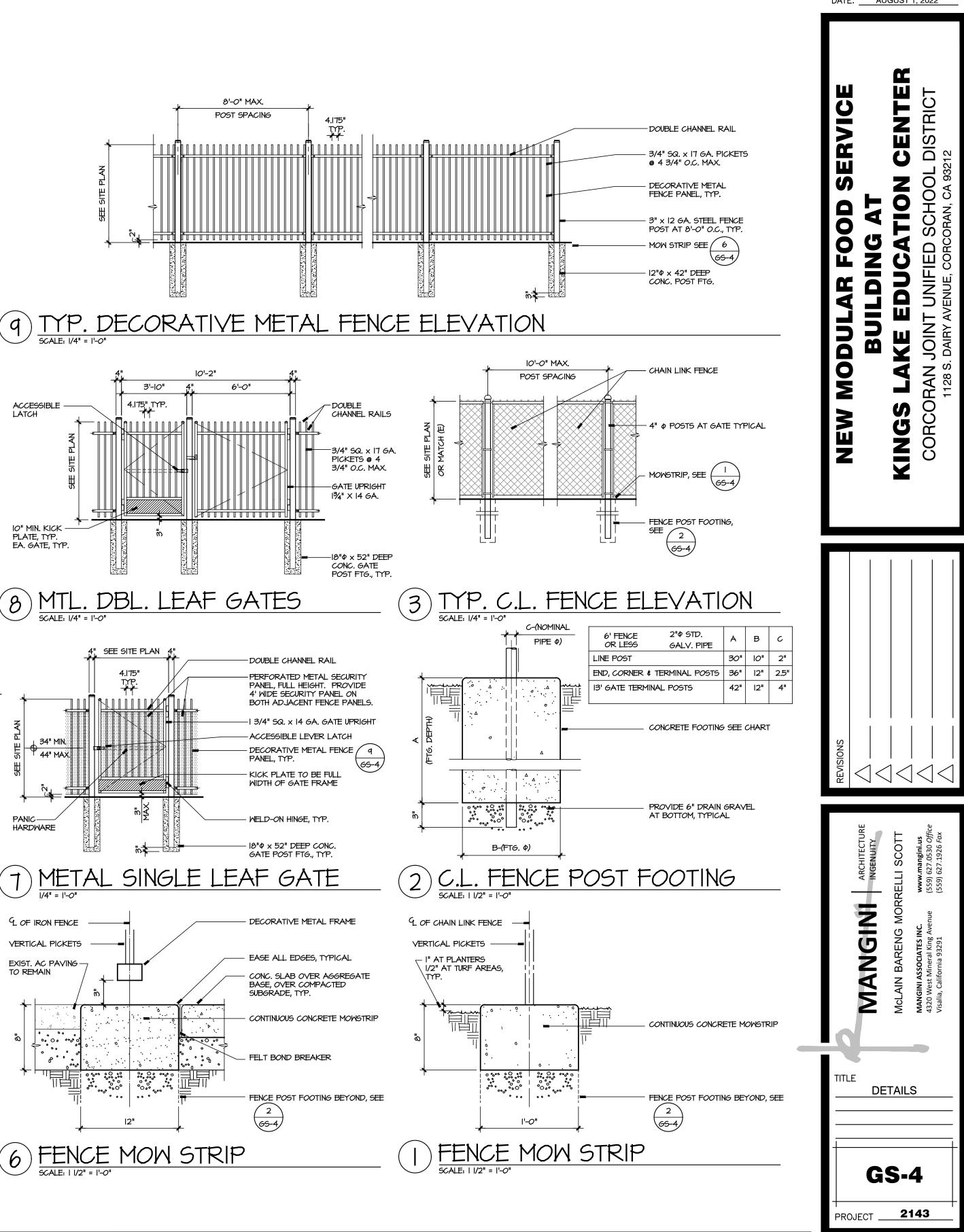
PROJECT 2143

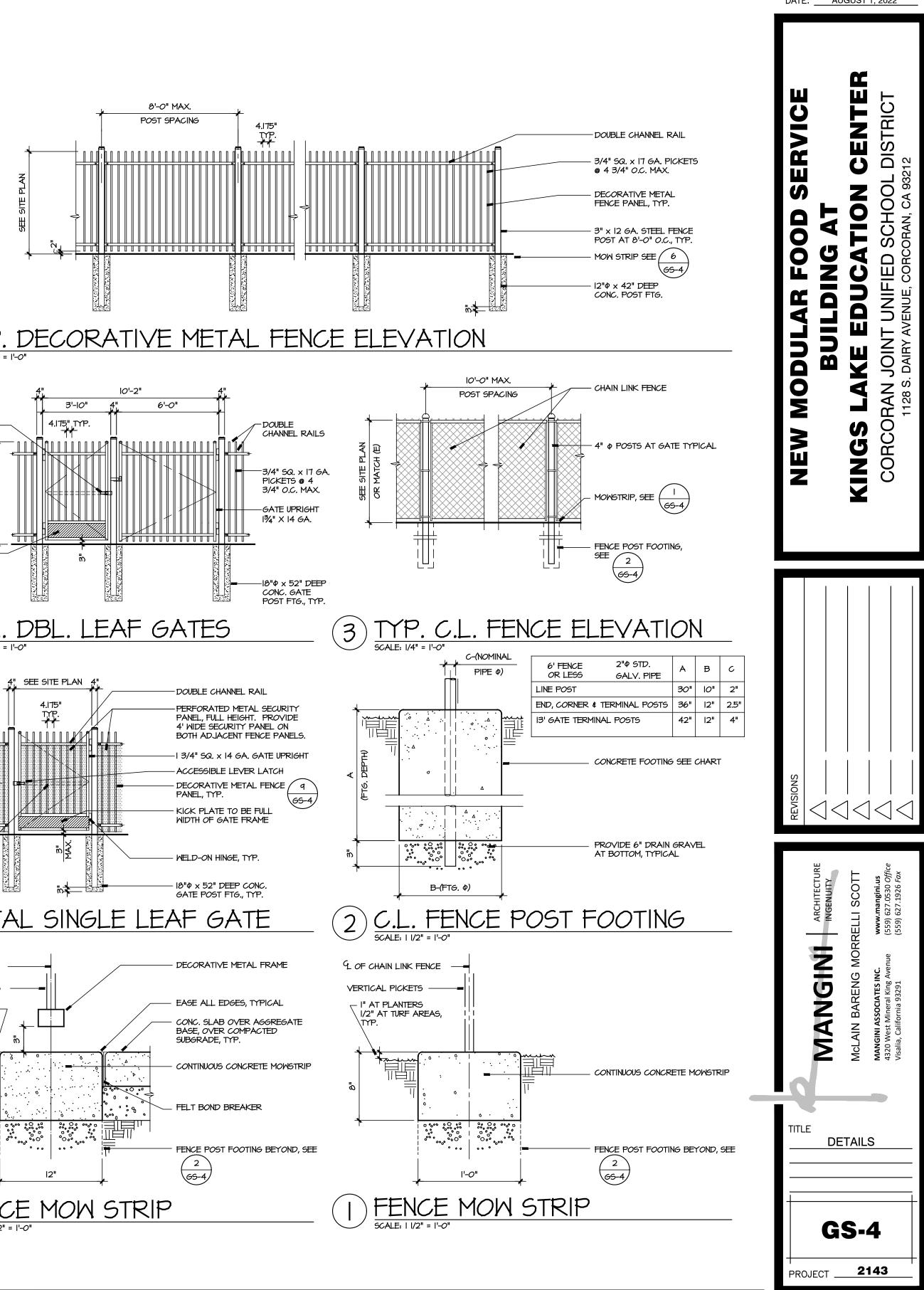


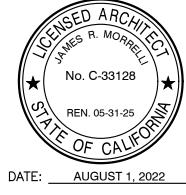


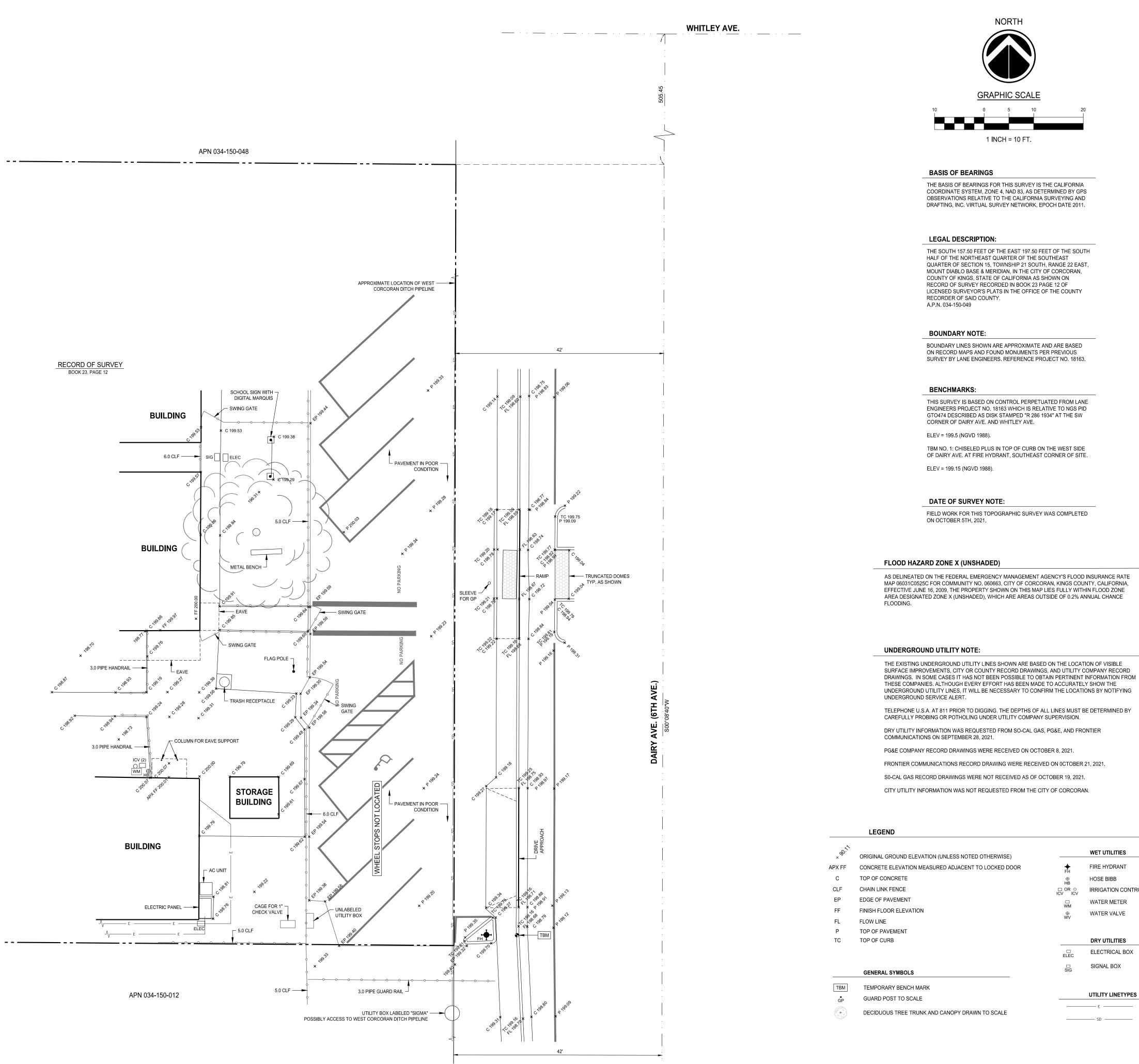
PROJECT \_\_\_\_\_2143











LIFORNIA
ED BY GPS
YING AND

#### WET UTILITIES FIRE HYDRANT HOSE BIBB □ OR ○ ICV ICV IRRIGATION CONTROL VALVE WATER METER WATER VALVE

DRY UTILITIES ELECTRICAL BOX ELEC

## SIGNAL BOX

UTILITY LINETYPES ——— E ———— STORM DRAIN \_\_\_\_\_ SD \_\_\_\_\_

ELECTRICAL

## Project KINGS LAKE EDUCATION CENTER

1128 SOUTH DAIRY AVE. CORCORAN, CA

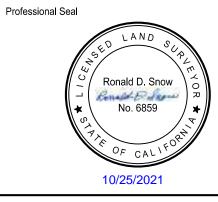
## Prepared For CORCORAN JOINT UNIFIED SCHOOL DISTRICT



#### LANE ENGINEERS, INC. CIVIL • STRUCTURAL • SURVEYING

979 North Blackstone Street Tulare, California 93274 559.688.5263 www.laneengineers.com

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Descripti		Release Date
No.	Revision	Date

Reviewed by: R.D.S.

## Sheet Title PARTIAL TOPOGRAPHIC SURVEY

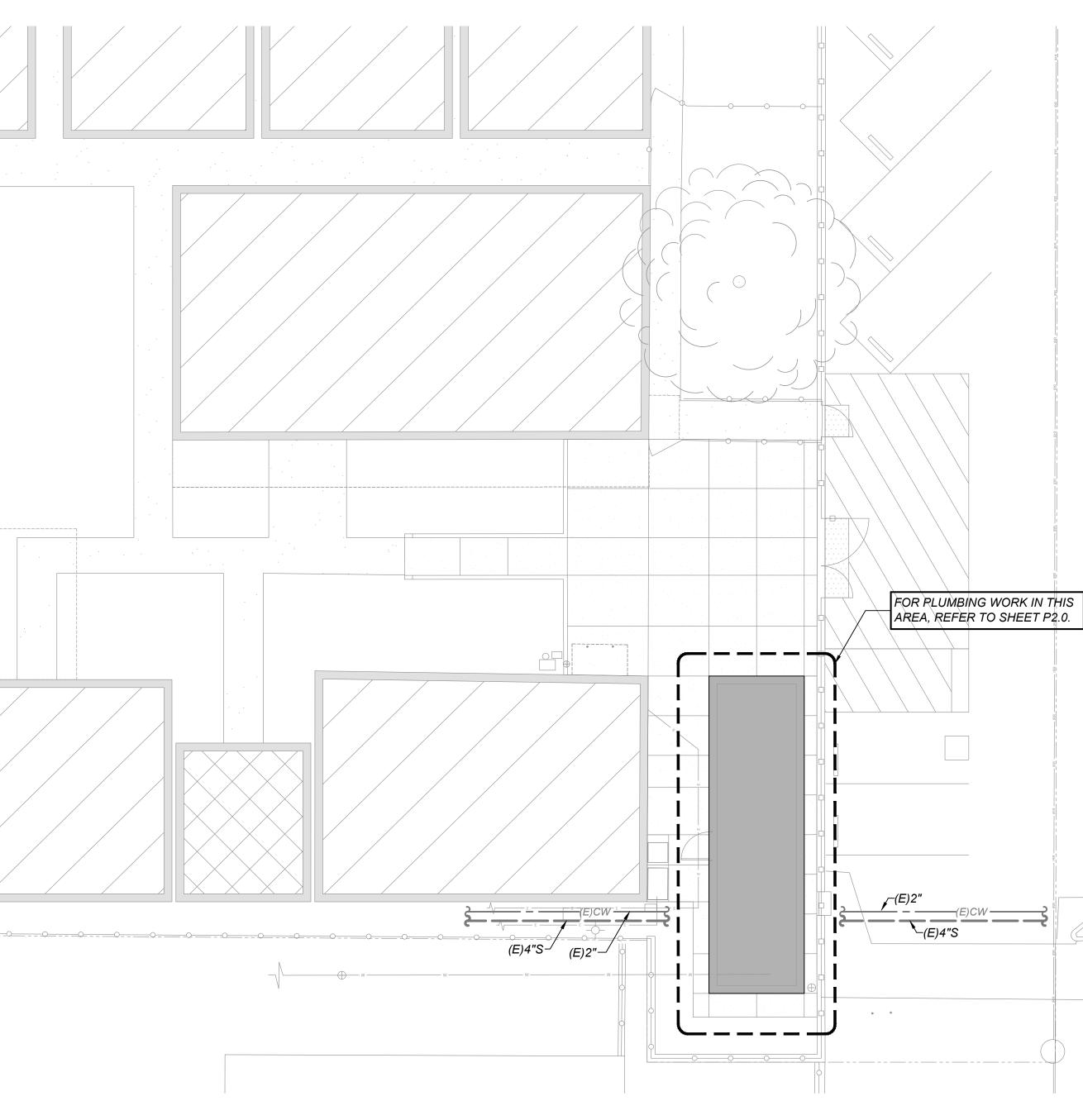
Original drawing is 24 x 36. Do not scale contents of this drawing. Sheet Number

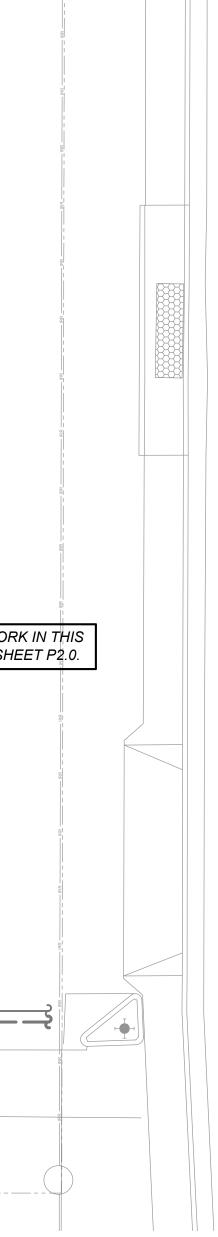
C1.

OF 1

. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE 2019 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WOULD NOT COMPLY WITH SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING	
AND SPECIFYING THE REQUESTED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.	
2. THE APPLICABLE CODES AND REGULATIONS FOR THIS PROJECT INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:	
CALIFORNIA CODE OF REGULATIONS TITLE 8, INDUSTRIAL RELATIONS TITLE 19, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS TITLE 24, PART 1, ADMINISTRATIVE REGULATIONS 2019 CALIFORNIA BUILDING CODE, PART 2, TITLE 24 CCR 2019 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 CCR	
2019 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 CCR 2019 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 CCR 2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR NFPA 101 2018 EDITION	
OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT A LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC	
UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. THE PLUMBING BUILDING PLANS HAVE BEEN PREPARED TO MATCH THE ARCHITECTURAL PLANS. IF DIFFERENCES OCCUR, THE ARCHITECTURAL PLANS ARE TO TAKE PRECEDENCE. THE ACTUAL LOCATIONS OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK, TO AVOID ALL INTERFERENCE WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL, OR OTHER ELEMENTS. ALL PIPE OFFSET ELBOWS FOR COORDINATION BETWEEN TRADES ARE NOT SHOWN. CONTRACTOR SHALL INCLUDE SUFFICIENT FUNDS FOR THE COORDINATION OFFSETS IN THE BID. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.	
WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER-DRIVEN PINS IN EXISTING NON-PRESTRESSED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRE-STRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.	3
. MEP COMPONENT ANCHORAGE NOTE:	
ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30. 1. ALL PERMANENT EQUIPMENT AND COMPONENTS.	
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES	
SUCH AS ELECTRICITY, GAS ÓR WATER. 3. TEMPORARY, MOVABLE, OR MOBILE EQUIPMENT WHICH IS HEAVIER	
THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.	
THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.	J
A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.	7
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.	
THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.	
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:	
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25, 1617A.1.26.	
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.	
MP MD PP A. OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.	
MP MD PP M B. OPTION 2: PLUMBING PIPING (PP) - SHALL COMPLY WITH OPM-0043-13 OSHPD PRE-APPROVAL (MASON WEST, SEISMIC RESTRAINT GUIDELINES FOR SUSPENDED DISTRIBUTION SYSTEMS).	C
BRACE ALL PIPING 3" DIAMETER AND GREATER; USE Ip=1.0 FOR SEISMIC DESIGN CALCULATIONS. EXCEPTION: NATURAL GAS PIPING 1"DIAMETER AND GREATER, USE Ip=1.5 FOR SEISMIC DESIGN CALCULATIONS.	-
PENETRATIONS THROUGH FIRE RATED WALLS, FLOOR/CEILING, AND ROOF/CEILING ASSEMBLIES SHALL BE SEALED USING AN APPROVED SYSTEM CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC TO FIRE STOPS PER 2019 CBC SECTION 714. THIS INCLUDES EXISTING PIPE AND CONDUIT THROUGH NEW ASSEMBLIES. CUSTOM DESIGNED SYSTEMS WHICH COMBINE COMPONENTS FROM DIFFERENT APPROVED SYSTEMS BUT HAVE NOT BEEN TESTED AS A COMPLETE ASSEMBLY WILL NOT BE ACCEPTABLE. FOR FIRE STOPS FOR PIPE PENETRATIONS SEE SPECIFICATIONS.	Ē
E. FIELD VERIFY THE EXACT LOCATION, DEPTH AND SIZE OF ALL NEW POINTS OF CONNECTION TO EXISTING UTILITIES PRIOR TO COMMENCING NEW UTILITY WORK.	
. INSTALLATION OF NEW UTILITIES FROM EXISTING MAINS IN THE STREET SHALL BE DONE IN STRICT ACCORDANCE WITH GOVERNING AUTHORITY REQUIREMENTS.	
0. INSTALLATION, TYPE AND MANUFACTURERS MODELS OF DOMESTIC WATER METERS BACKFLOW PREVENTERS, FIRE HYDRANTS, DETECTOR CHECK VALVES, MANHOLES, DRAIN INLETS/OUTLETS AND OTHER APPURTENANCE OF SITE UTILITY SYSTEMS SHALL BE DONE IN STRICT ACCORDANCE WITH GOVERNING AUTHORITY REQUIREMENTS.	
1. CONTRACTOR SHALL EXCAVATE AND BACKFILL THE GAS SERVICE TRENCH FOR THE LOCAL GAS UTILITY. THE LOCAL GAS UTILITY SHALL INSTALL THEIR GAS SERVICE LINE TO THE GAS METER. TRENCHING SHALL BE IN ACCORDANCE WITH UTILITY STANDARDS. ALL CHARGES AND FEES INCURRED BY THE UTILITY FOR NEW GAS SERVICE SHALL BE PAID BY THE CONTRACTOR.	Ē
<ol> <li>ALL DOMESTIC WATER PIPING SHALL BE A MINIMUM OF 1/2" SIZE UNLESS NOTED OTHERWISE. USE A REDUCING DROP ELL AT FIXTURE CONNECTION WHEN APPLICABLE.</li> </ol>	
3. BACKFLOW PREVENTER SHALL BE INSTALLED AT THE MINIMUM HEIGHT ABOVE	
FINISH GRADE AS ALLOWED BY GOVERNING AUTHORITY.	

PLUMBING SITE PLAN





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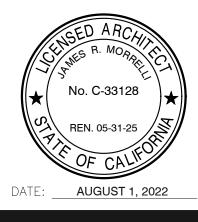
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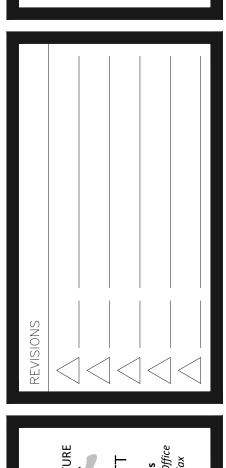
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	PLUMBING LEGEND	
SYMBOL	ITEM	ABBR
STNIDOL	SOIL or WASTE	S or W
	VENT	V
	VENT RISER	VR
	VENT THRU ROOF	VTR
	DOMESTIC COLD WATER	CW
	DOMESTIC HOT WATER	HW
	DOMESTIC HOT	
	WATER RETURN	HWR
—G —	LOW PRESSURE NATURAL GAS	G
— 2#G —	2 PSI GAS	2#G
— 5#G —	5 PSI GAS	5#G
<b>—-</b> GSM- <b>—</b>	GAS SERVICE MAIN BY THE LOCAL GAS UTILITY	GSM
—c—	CONDENSATE DRAIN	CD
-RWL	RAIN WATER LEADER	RWL
—OD —	OVERFLOW DRAIN	OD
—SD —	STORM DRAIN	SD
—/w/ —	INDIRECT WASTE	IW
—_F—	FIRE PROTECTION LINE	F
	EXISTING PIPING	(E)
(E)	EXISTING	
(N)	NEW	
	ABOVE CEILING	ABV CLG
	BELOW FLOOR	BEL FLR
	BELOW GRADE	BEL GR
	TYPICAL	TYP
	CONTINUATION	CONT
	DOWN	DN
_Φ_	FLOOR CLEANOUT	FCO
<b>\$</b>	CLEANOUT TO GRADE	COTG
	WALL CLEANOUT	WCO
O	PIPING TURN UP	
	PIPING TURN DOWN	
<b>—</b> ×—	POINT OF CONNECTION	POC
<b></b> &	SHUT-OFF VALVE IN BOX	SOV
Ц Т	SHUT-OFF VALVE	SOV
<u></u>	SHUT-OFF VALVE IN RISER	-
<u></u>	SHUT-OFF VALVE IN DROP	-
本	GATE VALVE	-
¢	BUTTERFLY VALVE	-
	GLOBE VALVE	-
	CHECK VALVE	-
	PLUG VALVE	-
	BALL VALVE	-
	BALANCE COCK	-
	REDUCER	-
	MANHOLE	МН
ļ	FLOW LINE	FL
	UNION	-
	RELIEF VALVE	-
1 Tan 7	BALANCING VALVE	



# **EDUCATION CENTER** T UNIFIED SCHOOL DISTRICT AVENUE, CORCORAN, CA 93212 NEW MODULAR FOOD SERVICE CHOOL RAN, CA 932 **5** Z BUI JOINT KINGS LAKE CORCORAN JOIN 1128 S. DAIRY



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PLUMBING SITE PLAN

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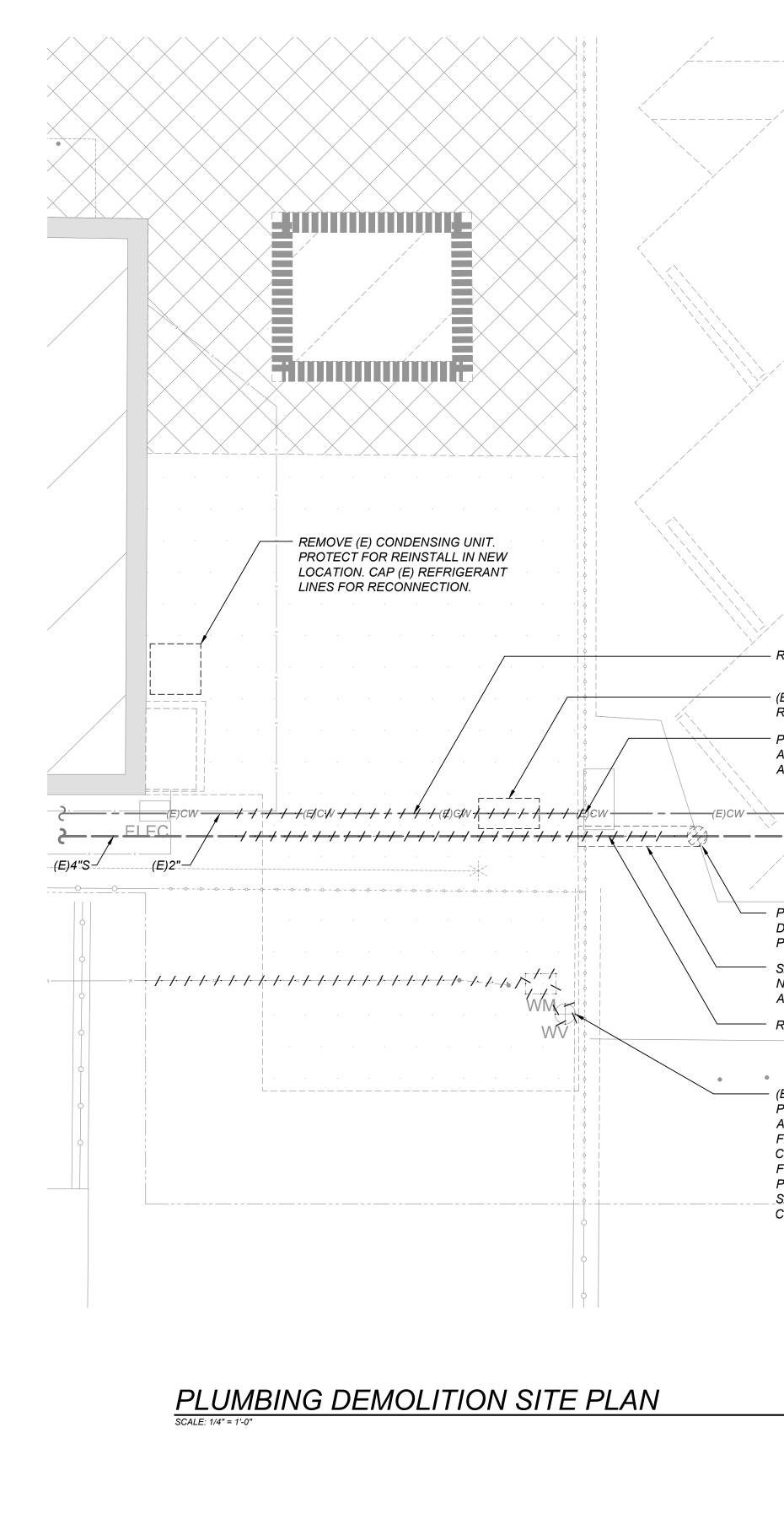
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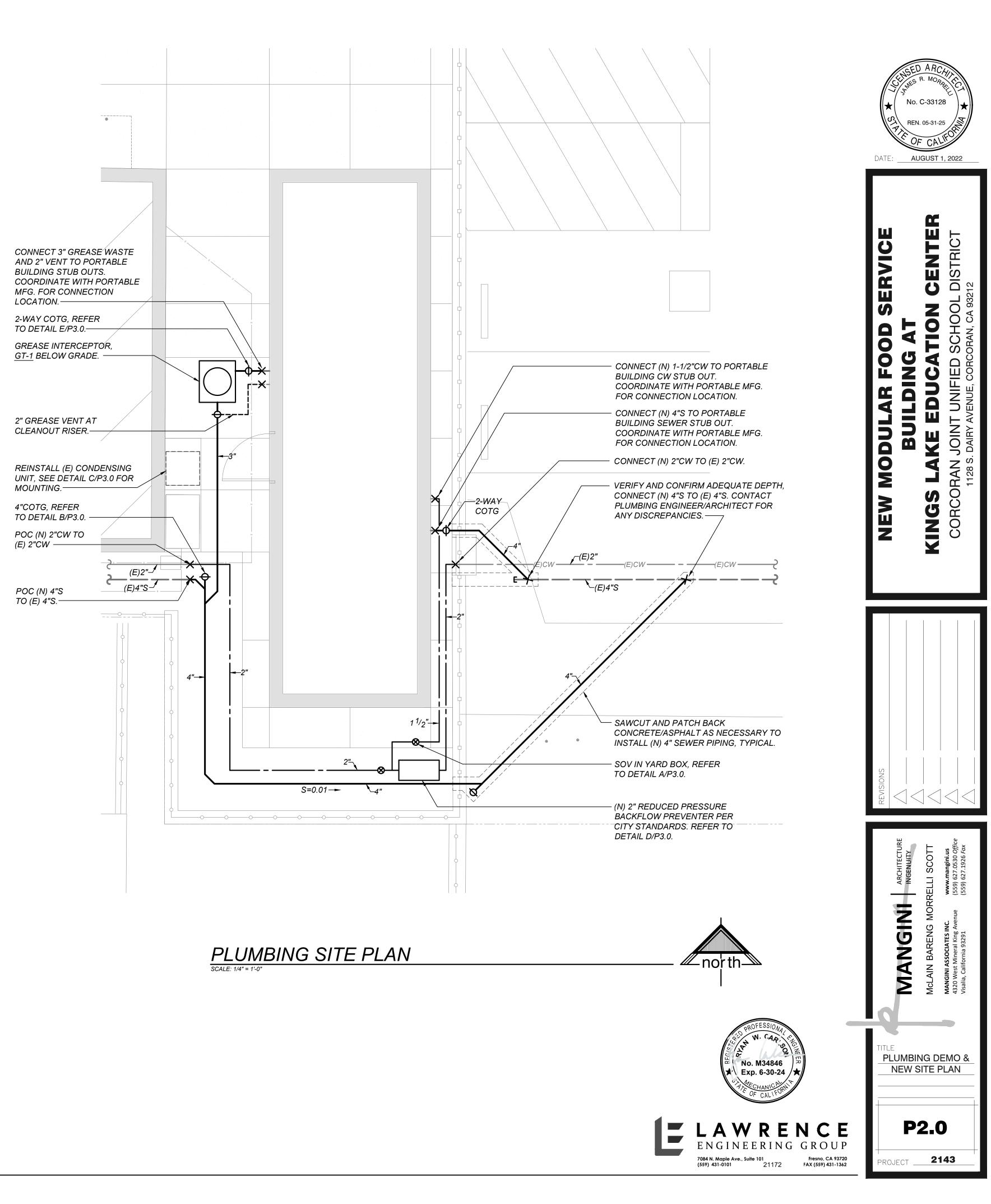
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REMOVE (E) 2" CW BELOW GRADE.

(E) BACKFLOW PREVENTER TO BE REMOVED.

POTHOLE AND VERIFY EXACT LOCATION AND SIZE OF EXISTING WATER PRIOR TO ANY NEW WORK.

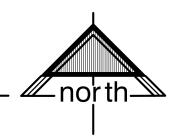
(E)CW	(E)2"	—(E)CW ———	~
	(E)4"S		~

POTHOLE AND VERIFY EXACT LOCATION, DEPTH AND SIZE OF EXISTING SEWER PRIOR TO ANY NEW WORK.

SAWCUT CONCRETE AND ASPHALT AS NECESSARY TO REMOVE (E) SEWER AND CW LINES, TYPICAL.

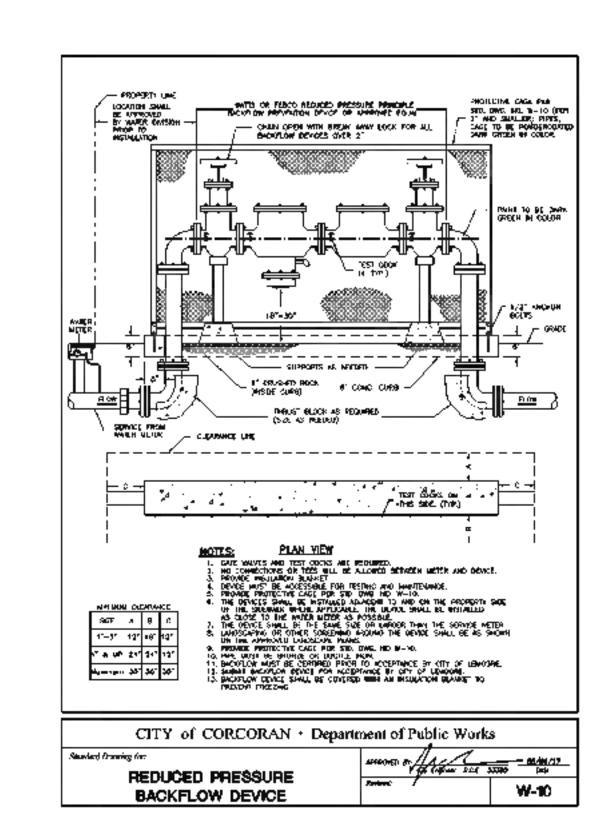
REMOVE (E) 4"S BELOW GRADE.

(E) WATER METER, BACKFLOW PREVENTER, VACUUM BREAKER AND ASSOCAITED PIPING TO BE REMOVED FROM FOOTPRINT OF NEW BUILDING. COORDINATE WITH CITY OF CORCORAN FOR NEW METER AND BACKFLOW PREVENTER LOCATION AND CONNECTION. SAWCUT AND PATCH BACK CONCRETE/ASPHALT AS NECESSARY.



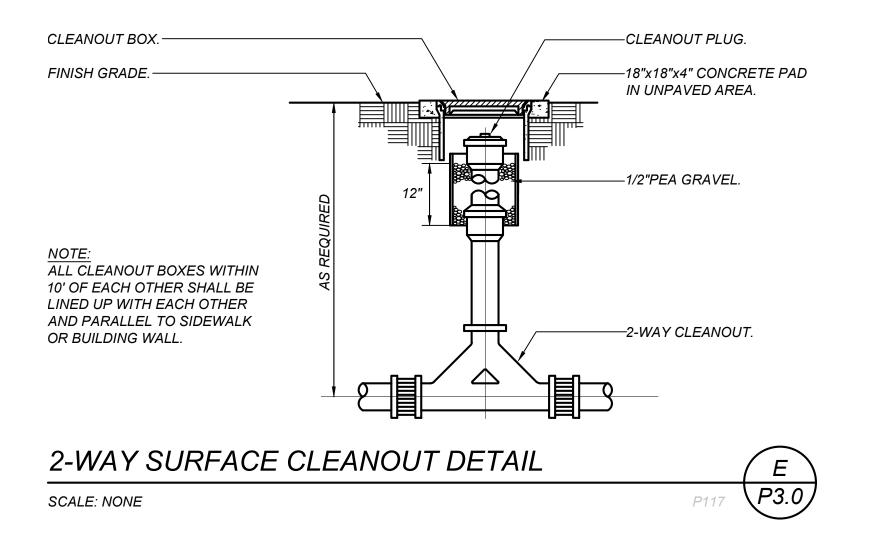
PLUMBING SPECIFICATIONS:

- CODES AND REGULATIONS: ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE AUTHORITY HAVING JURISDICTION, NOTHING IN THESE DRAWINGS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
  - CALIFORNIA BUILDING CODE CBC 2019
  - CALIFORNIA PLUMBING CODE CPC 2019 CALIFORNIA FIRE CODE - CFC - 2019
  - CALIFORNIA CODE OF REGULATIONS, TITLE 8, INDUSTRIAL RELATIONS
  - CALIFORNIA CODE OF REGULATIONS, TITLE 24, BUILDING STANDARDS
  - TITLE 24, PART 11, CALIFORNIA GREEN BUILDING CODE, 2019 EDITION LEAD FREE: ALL EQUIPMENT, FIXTURES, VALVES AND FIXTURE STOPS PROVIDING WATER FOR HUMAN Ġ. CONSUMPTION INSTALLED AFTER JANUARY 1, 2010, MUST MEET THE 'LEAD FREE' REQUIREMENTS FOR THE STATE OF CALIFORNIA.
- PERMIT AND INSPECTION CHARGES: OBTAIN ALL PERMITS REQUIRED FOR PERFORMING WORK AND PAY ALL 2 RELATED FEES. CALL FOR ALL REQUIRED INSPECTIONS AND PAY ALL RELATED FEES.
- BUARANTEE: THE CONTRACTOR SHALL REPAIR ANY DEFECTS DUE TO FAULTY MATERIALS OR WORKMANSHIP AND 3 PAY FOR ANY DAMAGE TO OTHER WORK RESULTING THERE FROM WHICH APPEARS WITHIN A PERIOD OF ONE. YEAR FROM DATE OF ACCEPTANCE OF WORK.
- MATERIALS, EQUIPMENT AND INSTALLATION: EACH ITEM REFERRED TO ON THE DRAWINGS AND IN THE SPECIFICATIONS REPRESENTS THE STANDARD OF QUALITY DESIRED FOR MATERIALS, EQUIPMENT AND INSTALLATION, ALL SUBSTITUTIONS MUST BE REVIEWED IN WRITING BY THE ENGINEER, ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND FREE FROM DEFECTS. ALL INSTALLATIONS SHALL BE AS RECOMMENDED BY THE MANUFACTURER AND AS SHOWN ON DRAWINGS.
- SUBMITTALS: WITHIN 30 DAYS OF CONTRACT AWARD, THE CONTRACTOR SHALL SUBMIT THREE COPIES OF SHOP 5. DRAWINGS FOR ALL MATERIALS, EQUIPMENT, ETC. PROPOSED FOR USE ON THIS PROJECT. MATERIAL OR EQUIPMENT SHALL NOT BE ORDERED OR INSTALLED UNTIL WRITTEN REVIEW IS PROCESSED BY THE ENGINEER. ANY ITEM OMITTED FROM THE SUBMITTAL SHALL BE PROVIDED AS SPECIFIED WITHOUT SUBSTITUTION.
- UNDERGROUND PIPING: ALL FERROUS PIPING BELOW GRADE (EXCEPT CAST (RON) SHALL HAVE PROTECTIVE 6 COATING OF "X-TRU-COAT". MINIMUM COVER FOR ALL BELOW GRADE PIPING SHALL BE 24".
- 7. EXCAVATION AND BACKFILL:
  - GENERAL: UNLESS OTHERWISE NOTED, MINIMUM EARTH COVER ABOVE TOP OF PIPE OR TUBING OUTSIDE A. BUILDING WALLS SHALL BE 24", NOT INCLUDING BASE AND PAVING IN PAVEO AREAS, BARREL OF PIPE SHALL HAVE UNIFORM SUPPORT ON SAND BED. SAND SHALL BE FREE FROM CLAY OR ORGANIC MATERIAL, SUITABLE FOR THE PURPOSE INTENDED AND SHALL BE OF SUCH SIZE THAT 90 PERCENT TO 100 PERCENT.
  - WILL PASS A NO. 4 SIEVE AND NOT MORE THAN 5 PERCENT WILL PASS A NO. 200 SIEVE. EXCAVATION: WIDTH OF TRENCHES AT TOP OF PIPE SHALL BE MINIMUM OF 16", PLUS THE OUTSIDE DIAMETER OF THE PIPE, PROVIDE ALL SHORING REQUIRED BY SITE CONDITIONS, WHERE OVER EXCAVATION OCCURS, PROVIDE COMPACTED SAND BACKFILL TO PIPE BOTTOM. WHERE GROUNDWATER IS ENCOUNTERED, REMOVE TO KEEP EXCAVATION DRY, USING WELL POINTS AND PUMPS AS REQUIRED. С.
  - BACKFILL 6" BELOW, AROUND, AND TO 12" ABOVE PIPE: MATERIAL SHALL BE SAND. PLACE CAREFULLY AROUND AND ON TOP OF PIPE, TAKING CARE NOT TO DISTURB PIPING, CONSOLIDATE WITH VIBRATOR.
  - 2 ONE FOOT ABOVE PIPE TO GRADE: MATERIAL SHALL BE SANDY OR SILTY LOAM, FREE OF LUMPS. LAID IN 5' LAYERS, UNIFORMLY MIXED TO PROPER MOISTURE AND COMPACTED TO REQUIRED DENSITY, IF BACKFILL IS DETERMINED TO BE SUITABLE AND REQUIRED COMPACTION IS DEMONSTRATED BY LABORATORY TEST, WATER COMPACTION IN 6" LAYERS MAY BE USED. SUBJECT TO REVIEW BY ENGINEER.
  - COMPACTION; COMPACT TO DENSITY OF 95% WITHIN BUILDING AND UNDER WALKWAYS, DRIVEWAYS. **D**. TRAFFIC AREAS, PAVED AREAS, ETC. AND TO 90% ELSEWHERE. DEMONSTRATE PROPER COMPACTION BY TESTING AT TOP, BOTTOM AND ONE-HALF OF THE TRENCH DEPTH. PERFORM THESE TESTS AT THREE LOCATIONS PER 100' OF TRENCH.
- PIPING LAYOUT: ROUTE PIPING TO AVOID CUTTING STRUCTURAL MEMBERS. WHERE CUTTING OR NOTCHING IS 8 REQUIRED, THE STRUCTURAL MEMBER SHALL BE REINFORCED IN ACCORDANCE WITH THE UNIFORM BUILDING. CODE, PIPING SHALL BE INSTALLED TO ENSURE UNRESTRICTED FLOW, ELIMINATE AIR POCKETS, PREVENT UNUSUAL NOISE AND PERMIT COMPLETE DRAINAGE OF THE SYSTEM. PROVIDE INDIVIDUAL SHUT OFF VALVES AT EACH FIXTURE AND EQUIPMENT ITEM.
- PIPING MATERIALS: 9.
  - DOMESTIC WATER PIPING: A
    - WITHIN FIVE FEET OF BUILDING WALLS AND ALL ABOVE GRADE: HARD TEMPER SEAMLESS COPPER. ASTM 866 WROUGHT COPPER FITTINGS, ANSI 616.22, TYPE L WITH BRAZED JOINTS (1100F, MIN ), 1-1/2" AND SMALLER ABOVE GRADE MAY BE SOLDERED, LEAD-FREE SOLDER. ALL NIPPLES SHALL BE LEAD-FREE RED BRASS (85% COPPER), ABOVE GRADE FITTINGS MAY BE COPPER PRESS FITTINGS, ASME B16.18 OR ASME B16.22, EPCM O-RINGS, INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, PROPRESS,
    - OUTSIDE BUILDING BELOW GRADE: 3" AND SMALLER: SCHEDULE 80 POLYVINYL CHLORIDE (PVC). ASTM 01785, WITH SCHEOULE 80 PVC SOLVENT WELD FITTINGS, ASTM 02466 WHERE APPROVED BY ADMINISTRATIVE AUTHORITY.
  - SOIL WASTE & VENT PIPING: B
    - ABOVE GRADE AND WITHIN FIVE FEET OF BUILDING WALLS: STANDARD WEIGHT COATED CAST IRON. PIPE AND FITTINGS, PLAIN END, CISPI 301, ASTM A888, ABI, TYLER, CHARLOTTE, COUPLINGS SHALL BE HEAVY-DUTY SHIELDED COUPLINGS, TYPE 304 STAINLESS STEEL WITH NEOPRENE GASKET. ASTM C-1540. HUSKY HD 2000, CLAMP-ALL 80, MG COUPLING, BELOW GRADE CAST IRON PIPE AND FITTINGS SHALL HAVE & MIL (MINIMUM) POLYETHYLENE ENCASEMENT (POLY WRAP), PER ANSI/AWWA C105/A21.5.
    - OUTSIDE BUILDING BELOW GRADE: POLYVINYL CHLORIDE (PVC), SDR-35, ASTM D3034, SOLVENT WELD, WITH PVC SOLVENT WELD FITTINGS. PIPING WITHIN 10 FEET OF WATER PIPING SHALL BE SOLID WALL SCHEDULE 40 PVC, ASTM D1785, 02665, WITH SOLVENT WELD DWV FITTINGS, ASTM D2865, D3311, PIPING WITH LESS THAN 24" OF COVER OUTSIDE BUILDING WALLS SHALL BE CAST
- GATE VALVE: 2" AND SMALLER: ALL BRONZE, NON-RISING STEM THREADED BONNET WEDGE DISK MALLEABLE 10 IRON HANDWHEEL, 200 PSI CWP, NIBCO T-113-LF, 2-1/2" AND LARGER: IRON BODY, BRONZE MOUNTED, NON-RISING. STEM, RESILIENT WEDGE DISK 200 PSI CWP FLANGED OR AWWA HUB END AS APPLICABLE, NIBCO F-619-RWS UNDERGROUND VALVES SHALL HAVE SQUARE OPERATING NUT.
- PIPE INSULATION (MAXIMUM THERMAL CONDUCTIVITY 0.25 BTU-IN/HR-FT2-F); ALL INSULATION MATERIALS SHALL 11. BE 25/50 RATED, INSULATE COLD WATER PIPING EXPOSED TO WEATHER FOR FREEZE PROTECTION WITH 1" THICK. FIBERGLASS WITH ALL SERVICE JACKET. COVER WITH ALUMINUM JACKETING AND SEAL WATER TIGHT WITH SILICONE SEALANT
- FIXTURES ALL FIXTURES SHALL BE WHITE UNLESS OTHERWISE NOTED ALL FIXTURES SHALL BE FURNISHED AND 12 INSTALLED COMPLETE WITH TRIM, SEALS, CARRIERS, STOPS, TRAPS, ETC. STOPS SHALL BE F.I.P. INLET. CAULKING SHALL BE WHITE SILICONE SEALANT, MILDEW RESISTANT, G.E. "SANITARY SCS1700".
- VALVE AND CLEANOUT BOX: PRECAST REINFORCED CONCRETE, CAST IRON LID MARKED FOR SERVICE, CHRISTY 13. F22 IN FOOT TRAFFIC AREAS: G5 IN ROADWAYS.
- DISINFECT ALL DOMESTIC WATER PIPING SYSTEMS IN ACCORDANCE WITH 2019 CPC SECTION 609.9, AND IN 14. ACCORDANCE WITH ADMINISTRATIVE AUTHORITY, DISINFECTION PROCESS SHALL BE PERFORMED IN COOPERATION WITH HEALTH DEPARTMENT HAVING JURISDICTION AND AS REQUIRED BY APPLICABLE CODES IN PRESENCE OF INSPECTOR OF RECORD (IOR), DURING PROCEDURE SIGNS SHALL BE POSTED AT EACH WATER. OUTLET STATING, "CHLORINATION - DO NOT DRINK". CONTRACTOR SHALL NOTIFY THE IOR 48 HOURS PRIOR TO THE NEED FOR TESTING SO THE IOR CAN MAKE ARRANGEMENTS FOR THE TESTING LABORATORY TO COLLECT SAMPLES AND TEST THE WATER. SAMPLES SHALL BE TAKEN AT THE FURTHEST POINT OF EACH BUILDING. CONTRACTOR SHALL OBTAIN A COPY OF THE TEST RESULTS FROM THE TESTING LABORATORY AND SHALL PROVIDE COPIES TO THE ARCHITECT, IOR AND OWNER BEFORE PROJECT COMPLETION, IF THE WATER FAILS THE BACTERIOLOGICAL TEST, CONTRACTOR SHALL DISINFECT THE PIPING AGAIN AND PAY FOR ANY RETESTING REQUIRED, AT NO ADDITIONAL COST TO OWNER, CONTRACTOR SHALL INCLUDE COPY OF BACTERIOLOGICAL TEST RESULTS AT CLOSEOUT WITH OPERATION AND MAINTENANCE MANUALS.
- 15 TESTS AND ADJUSTMENTS: PERFORM ALL TESTS AS REQUIRED BY APPLICABLE CODES IN PRESENCE OF PROJECT. INSPECTOR



CITY OF CORCORAN BFP DETAIL

SCALE: NONE



MARK FIXTURE GREASE <u>GT-1</u> TRAP

DRILL (2) 1/4"Ø VENT HOLES IN CAST IRON LID FOR GAS SHUT-OFF VALVES ONLY.

VALVE BOX.-FINISH GRADE.-

UNION.-TO BUILDING.

ALL SHUT-OFF VALVE BOXES WITHIN 10'-0" OF EACH OTHER OTHER AND PARALLEL TO

SCALE: NONE

CLEANOUT BOX.-FINISH GRADE.-

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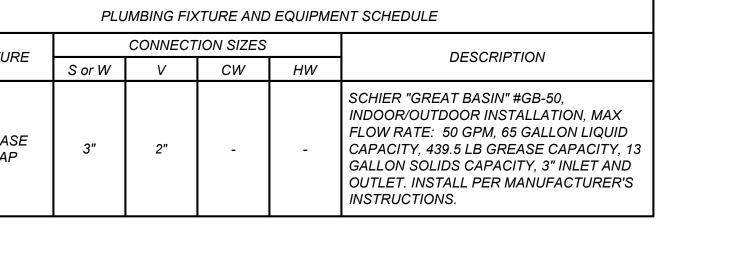
ALL CLEANOUT BOXES WITHIN 10' OF EACH OTHER SHALL BE LINED UP WITH EACH OTHER AND PARALLEL TO SIDEWALK OR BUILDING WALL.

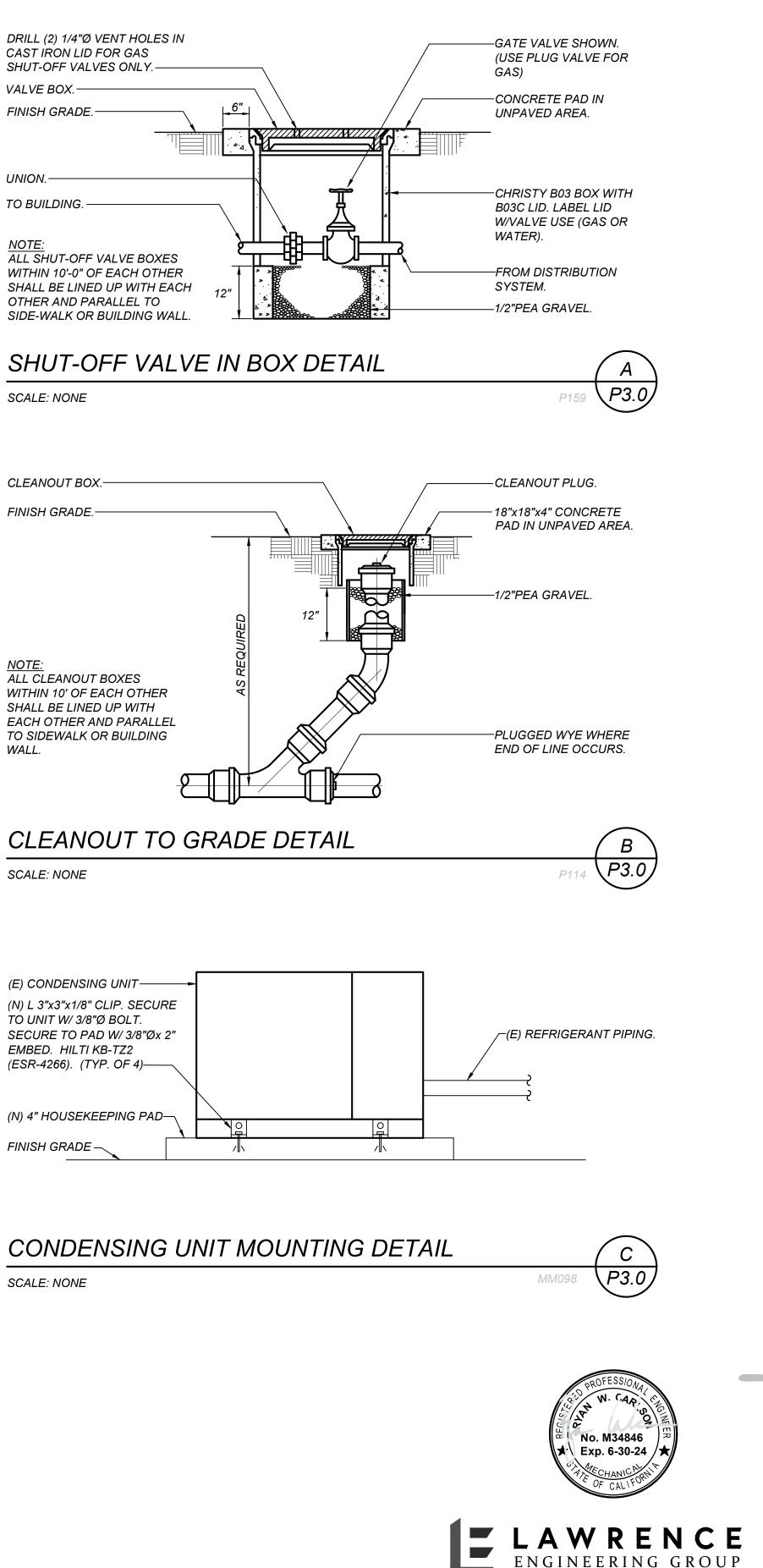
SCALE: NONE

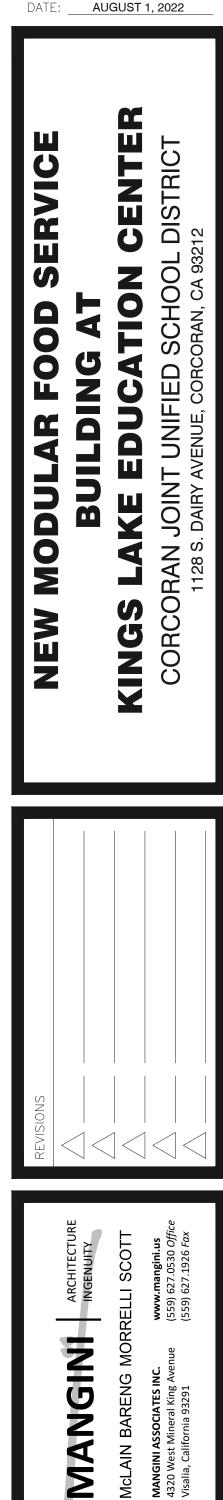
(E) CONDENSING UNIT-----(N) L 3"x3"x1/8" CLIP. SECURE TO UNIT W/ 3/8"Ø BOLT. SECURE TO PAD W/ 3/8"Øx 2" EMBED. HILTI KB-TZ2 (ESR-4266). (TYP. OF 4)-----

(N) 4" HOUSEKEEPING PAD-FINISH GRADE -

SCALE: NONE







PLUMBING DETAILS &

SCHEDULES

**P3.0** 

ROJECT \_

2143

Fresno, CA 93720

FAX (559) 431-1362

7084 N. Maple Ave., Suite 101

(559) 431-0101

21172

No. C-33128

REN. 05-31-3

Drafting/Jobs/RSE/SCHOOLS/Corcoran/Kings Lake Educ. Ctr – New Mod. Food Service Bldg/EG1.1.dwg DATE SAVED: 07/29/22 BY: Casey DATE PLOTTED: 08/05/22 JOB #: 21-183-DS

	ELECTRICAL SYMBOLS ALL DIMENSIONS TO CENTER OF BOX, U.O.N.
( )	CONDUIT RUN IN WALL OR ATTIC (1/2"C - 2 #12 AWG THWN + 1 #12 GND)
()	CONDUIT RUN IN FLOOR OR UG (1/2"C - 2 #12 AWG THWN + 1 #12 GND)
	ANY CONDUIT RUN - 1/2"C - 3 #12 AWG THWN + 1 #12 GND
	" " - 3/4"C - 4 #12 AWG THWN + 1 #12 GND
	" " - 3/4"C - 5 #12 AWG THWN + 1 #12 GND
	" " - 1"C - 6 #12 AWG THWN + 1 #12 GND
	CONDUIT STUB - CAPPED AND LABELED.
	ELECTRICAL KEYNOTE #1, REFER TO NOTES ON SAME SHEET.
U.O.N.	UNLESS OTHERWISE NOTED
W.P.	WEATHERPROOF
	TERMINAL CABINET (SIZE AS SHOWN)
-	ELECTRICAL PANELBOARD
SD	ADDRESSABLE SMOKE DETECTOR MOUNTED ON CEILING
@	CONVENTIONAL CARBON MONOXIDE DETECTOR, WITH ADDRESSABLE MONITOR MODULE, MOUNTED ON CEILING
	HEAT DETECTOR MOUNTED IN ATTIC
V75	FIRE ALARM VISUAL STROBE, 75 CANDELA, CEILING MOUNTED
SV 15	FIRE ALARM SPEAKER/15 CANDELA VISUAL STROBE (CEILING MOUNTED)
SV 30	FIRE ALARM SPEAKER/30 CANDELA VISUAL STROBE (CEILING MOUNTED)
(SP)	FIRE ALARM SPEAKER (CEILING MOUNTED)
SP <sub>W.P.</sub>	FIRE ALARM EXTERIOR SPEAKER IN WALL
E, (E)	SUBSCRIPT DENOTES EXISTING SHALL REMAIN
R	SUBSCRIPT DENOTES EXISTING SHALL BE REMOVED
—ER—	DENOTES EXISTING BRANCH CIRCUITING/HOMERUN TO BE REMOVED

#### ELECTRICAL SYMBOLS NOTES:

(A) REFER TO FIRE ALARM DEVICES ELEVATION, DETAIL #1/E2.3 FOR RESPECTIVE MOUNTING HEIGHTS.

#### DIVISION OF THE STATE ARCHITECT APPLICABLE CODES AND STANDARDS

#### CODES:

- 2019 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
- 2019 CALIFORNIA BUILDING CODE (C.B.C.), PART 2, TITLE 24 C.C.R. (2018 INTERNATIONAL BUILDING CODE, VOLUMES 1 AND 2 WITH 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA ELECTRICAL CODE (C.E.C.), PART 3, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE WITH 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA MECHANICAL CODE (C.M.C.), PART 4, TITLE 24 C.C.R. (2018 UNIFORM MECHANICAL CODE WITH 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA PLUMBING CODE (C.P.C.), PART 5, TITLE 24 C.C.R. (2018 UNIFORM PLUMBING CODE WITH 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA ENERGY CODE (CEnC), PART 6, TITLE 24 C.C.R.
- 2019 CALIFORNIA FIRE CODE (C.F.C.), PART 9, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE WITH 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA REFERENCED STANDARDS CODE (C.R.S.C.), PART 12, TITLE 24 C.C.R.
- TITLE 19, C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

## STANDARDS AND GUIDES:

- NFPA 72 NATIONAL FIRE ALARM CODE, 2016 EDITION (CALIFORNIA AMENDED)
  NFPA 720 STANDARD FOR THE INSTALLATION OF CARBON MONOXIDE (CO) DETECTION WARNING EQUIPMENT, 2015 EDITION
  ADAAG AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES
  UL 38 MANUAL ACTUATED SIGNALING BOXES, 2005 EDITION
  UL 268 SMOKE DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2009 EDITION
  UL 268A SMOKE DETECTORS FOR DUCT APPLICATIONS, 2009 EDITION
  UL 464 AUDIBLE SIGNAL APPLIANCES, 2003 EDITION
  UL 521 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 1999 EDITION (WITH REVISIONS THROUGH JULY 2005)
- UL 864 CONTROL UNITS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2014 EDITION

## SEISMIC ANCHORAGE REQUIREMENTS

#### MECHANICAL, ELECTRICAL AND PLUMBING ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

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

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

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

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (e.g., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

20	MD 🗖	PP 🗖	E🗆 -	OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
∘□	MD 🗖	PP 🗖	E <b>V</b> -	OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPE PRE-APPROVAL (OPM#) #0052-13.

## TITLE 24, PART 6

THE CALIFORNIA ENERGY EFFICIENCY STANDARDS FOR NONRESIDENTIAL BUILDINGS HAS BEEN REVIEWED AND THE BUILDING DESIGN DESCRIBED ON THESE PAGES IS IN SUBSTANTIAL CONFORMANCE.

## CODE, RULES AND REGULATIONS

ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST REGULATIONS OF THE STATE FIRE MARSHAL, CALIFORNIA CODE OF REGULATIONS, SERVING UTILITY COMPANIES AND OTHER APPLICABLE STATE ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED AS TO PERMIT WORK NOT CONFORMING TO THESE CODES. WHERE WORK OF A HIGHER DEGREE IS INDICATED IN THE PLANS OR SPECIFICATIONS THIS REQUIREMENT SHALL GOVERN.

No. C-33128

REN. 05-31-25

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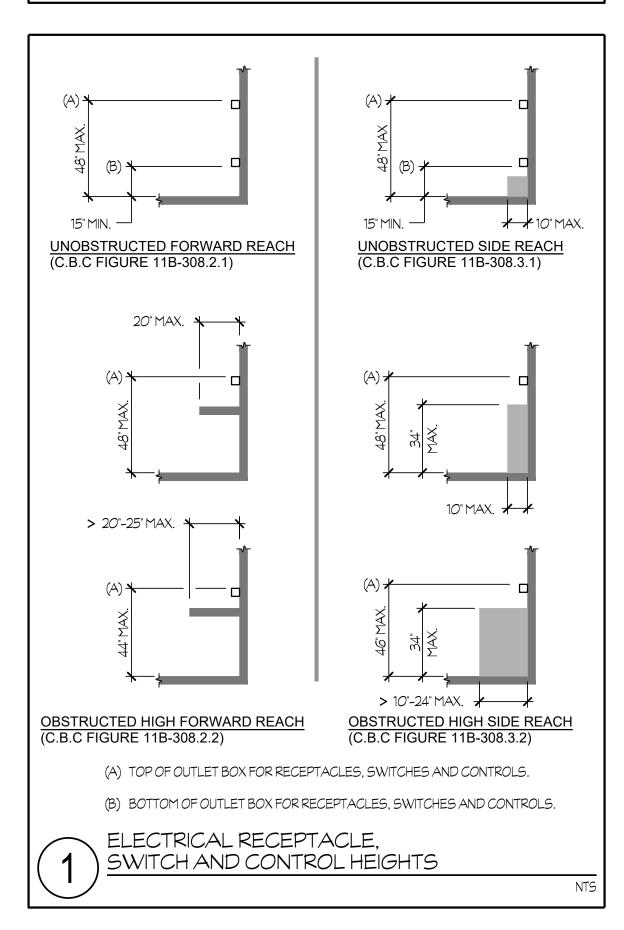
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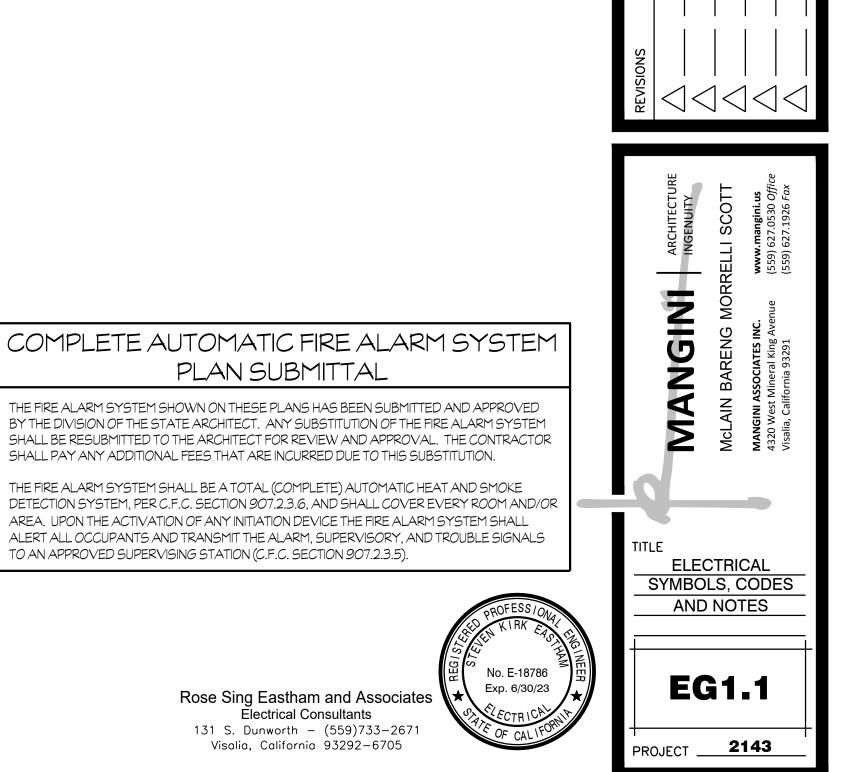
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CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.co.gov/bile24/2019standards

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Responsible Designer Name:

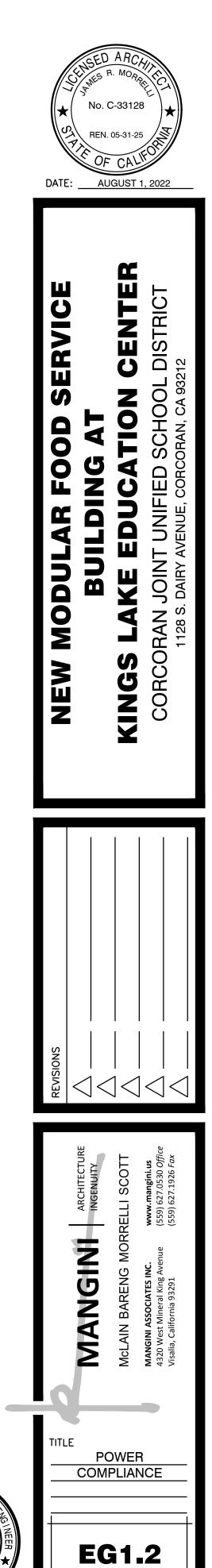
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VISALIA, CA 93292-6705	Phone:	(559) 733-2671 EKT. 104
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der provides to the building owner at occupancy.		
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ROSE SING EASTHAM AND ASSOCIATES	Oate Signed:	8-1-22
131 SOUTH DUNWORTH STREET	license:	E18786
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CA Building, Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/bile24/2019standords



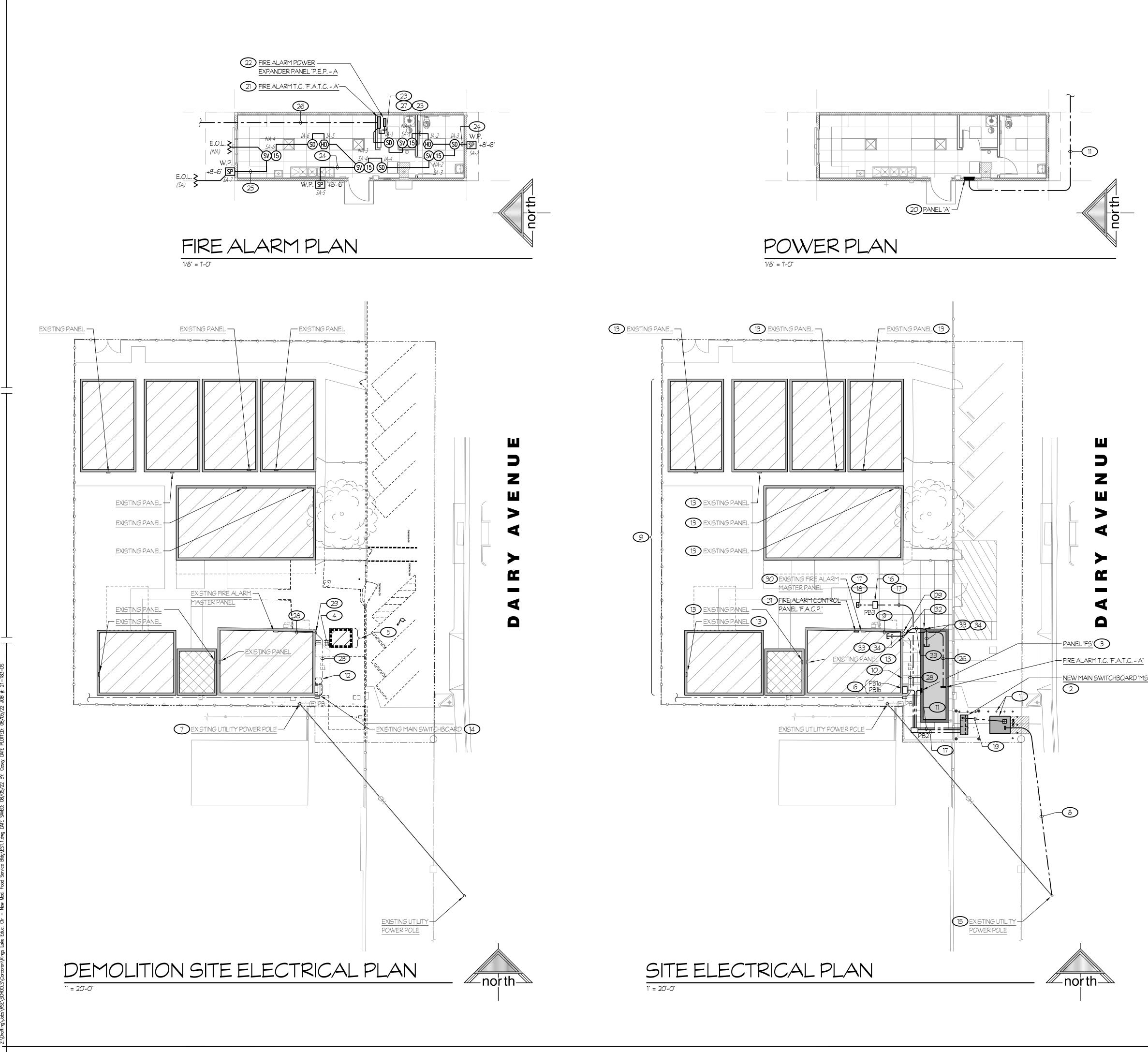
Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth – (559)733–2671 Visalia, California 93292–6705

Jenuary 2020

<sup>2</sup> No. E-18786 Exp. 6/30/23

OF CAL

PROJECT 2143



## NOTES (THIS SHEET ONLY):

- 1 PROVIDE A 106" L x 90" W (STYLE II E) CONCRETE PAD, BARRIER POSTS (FIXED AND REMOVABLE) AND GROUNDING FOR P.G. & PAD MOUNTED TRANSFORMER PER P.G. &. REQUIREMENTS.
- 2 NEW MAIN SWITCHBOARD "MSN". MOUNT PER DETAIL #1/E1.2.
- 3 CONNECT PANEL PROVIDED WITH MODULAR BUILDING.
- 4 DISCONNECT, REMOVE AND DISPOSE OF ALL EXISTING POWER AND SIGNAL CONNECTIONS TO CLEAR AREA FOR NEW BUILDING.
- 5 DISCONNECT "CASITA" FROM ALL EXISTING ELECTRICAL CONNECTIONS FOR REMOVAL BY OTHERS.
- 6 PROVIDE NEW PULL BOXES TO CAPTURE EXISTING FEEDER CONDUITS. SEE ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 7 COORDINATE WITH P.G. & TO REMOVE EXISTING POLE TRANSFORMER THAT SUPPLIES THE SWITCHBOARD BEING DEMOLISHED.
- 8 P.G. & PRIMARY CONDUIT (ONE 5"C) TO P.G. & FACILITIES. CONTRACTOR TO COORDINATE WITH P.G.&E...
- (9) CONTRACTOR TO COORDINATE WITH MECHANICAL REGARDING EXISTING H.V.A.C. EQUIPMENT TO RECONNECT UNITS FOR 208V, 1ph OPERATION AS REQUIRED. NOTE: ALL UNITS ARE 208/230V RATED.
- 10 AFTER H.V.A.C. UNIT HAS BEEN REINSTALLED BY MECHANICAL, RECONNECT TO SAME ELECTRICAL AS BEFORE.
- (1) FEEDER(S) PER ONE LINE DIAGRAM #1/E1.1.
- 12 DISCONNECT EXISTING H.V.A.C. UNIT FOR SALVAGING BY MECHANICAL. EXISTING ELECTRICAL TO REMAIN FOR REUSE.
- (13) TO REMAIN IN USE. NO WORK REQUIRED.
- 14 DISCONNECT, REMOVE AND DISPOSE OF SWITCHBOARD AS DIRECTED BY OWNER. ALL EXISTING CONDUIT AND WIRING TO REMAIN FOR REUSE. BUST OUT EXISTING SLAB AND DISPOSE OF IT.
- (15) VERIFY EXACT LOCATION AND QUADRANT WITH P.G. & ...
- (16) NEW PULL BOX PER DETAIL #6/E1.2. TYPICAL, U.O.N..
- (17) SPARE CONDUITS PER ONE LINE DIAGRAM #1/E1.1.
- (18) STUB OUT 30" FROM EDGE OF PULL BOX AND CAP FOR FUTURE USE.
- (19) THREE 4"C (P.G. &E. SECONDARY) PER P.G. &E. REQUIREMENTS.
- 20 CONNECT PANEL PROVIDED WITH MODULAR BUILDING.
- (21) FIRE ALARM T.C. "F.A.T.C. A". MOUNT PER DETAIL #6/E2.3.
- (22) FIRE ALARM POWER EXPANDER PANEL "P.E.P. A. MOUNT PER DETAIL #7/E2.3.
- 23 1°C ONE "FSP" CABLE, TWO "FA" CABLES, 2 #12. TYPICAL, U.O.N.
- 24 3/4"C TWO "FSP" CABLES.
- 25 1/2"C ONE "FSP" CABLE.
- (26) NEW FIRE ALARM FEED PER FIRE ALARM RISER DIAGRAM #1/E2.2
- 27) ONE SPARE 11/4"C.
- (28) EXISTING FIRE ALARM CONDUIT PER FIRE ALARM RISER DIAGRAM #1/E2.2.
- (29) EXISTING SIGNALS PULL CAN. ACCESS AS REQUIRED TO DO NEW WORK AS NOTED.
- (30) PROGRAM NEW DEVICES AS REQUIRED. COORDINATE WITH FIRE ALARM MANUFACTURER.
- 31 MOUNT ADJACENT TO EXISTING "F.A.C.P." PER DETAIL #1/E2.2. SEE FIRE ALARM RISER DIAGRAM FOR ADDITIONAL INFORMATION.

NEW MAIN SWITCHBOARD "MSN"

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- 32 18" x 6" DP. NEMA 3R, SCREW COVER ENCLOSURE. MOUNT HIGH ON WALL WITH TOP HALF ABOVE INTERIOR T-BAR CEILING PER DETAIL #3/E2.3.
- (33) TWO SPARE 11/2"C FOR FUTURE SIGNALS.
- (34) STUB INTO ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING. PENETRATE THROUGH WALL AND SEAL TO PREVENT LEAKS AS REQUIRED.

## COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

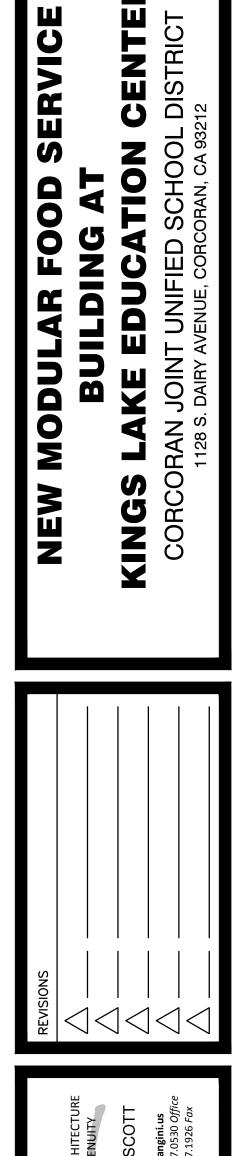
THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).



Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth - (559)733-2671 Visalia, California 93292-6705







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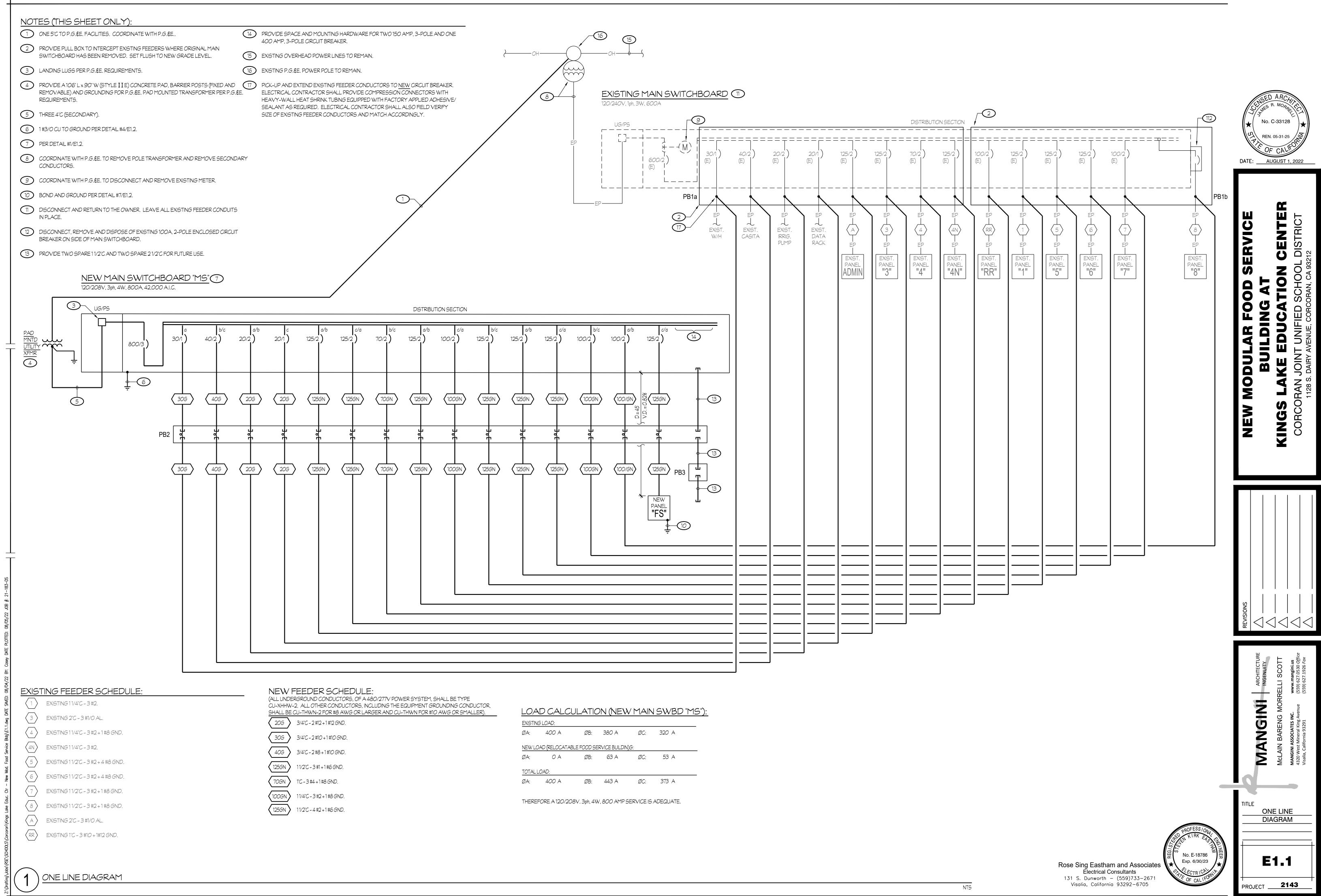
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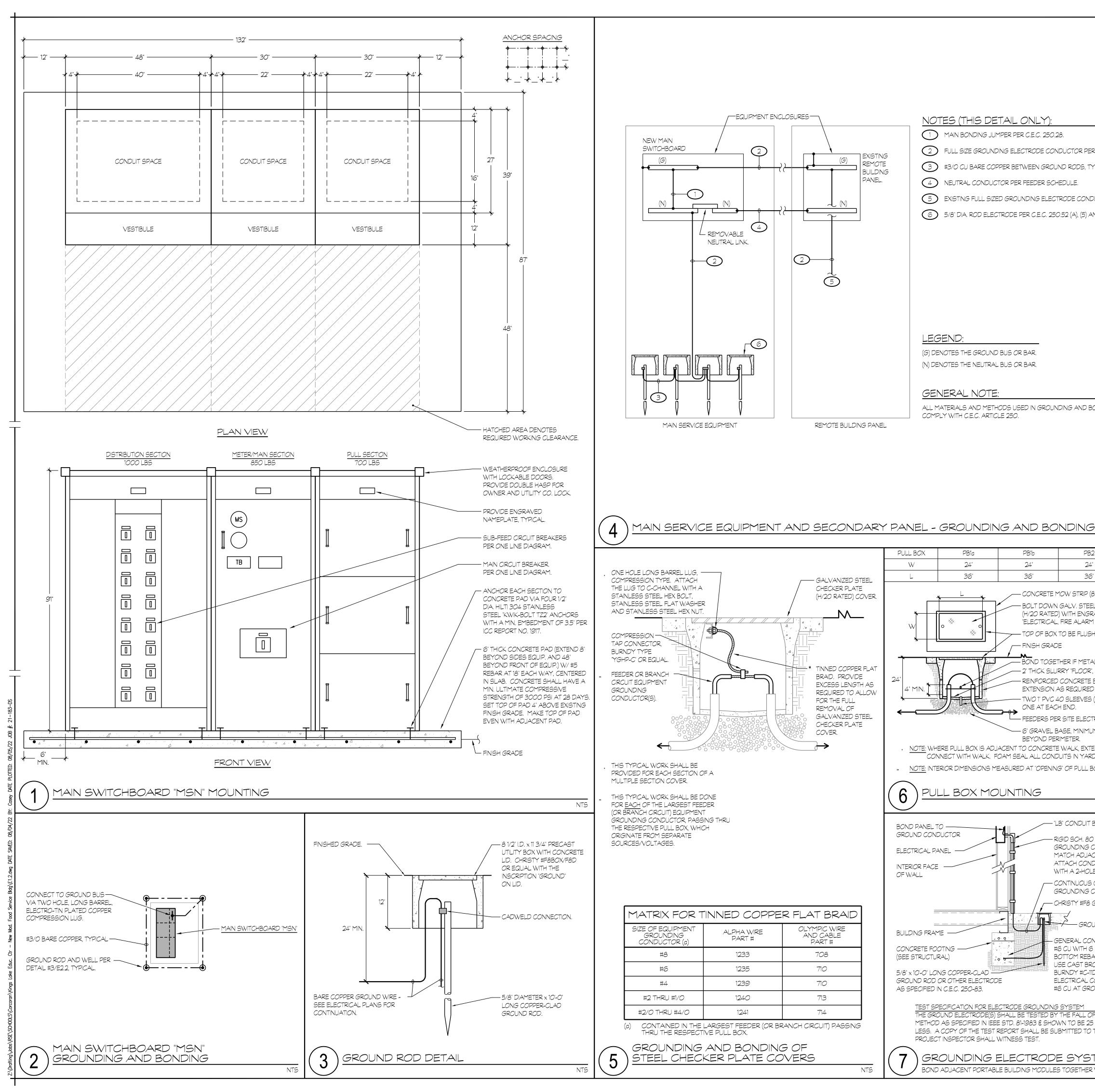
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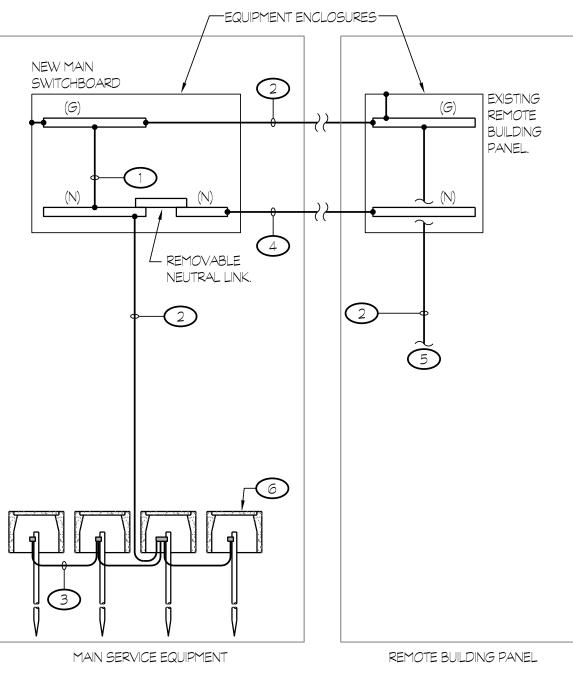
ELECTRICAL PLANS

**ES1.1** 

PROJECT 2143







PER C.E.C., TA 5, TYPICAL. DNDUCTOR TO 5) AND DETAIL			No. C-33128 REN. 05-31-25 DATE: AUGUST 1, 2022
D BONDING S	ƏHALL		NEW MODULAR FOOD SERVICE BUILDING AT INGS LAKE EDUCATION CENTER CORCORAN JOINT UNIFIED SCHOOL DISTRICT 1128 S. DAIRY AVENUE, CORCORAN, CA 93212
PB2 24" 36" IP (8"w x 3"d)*	NTS PB3 24" 36"		NEW MO KINGS LAI CORCORAN
	TING". NISH GRADE O DRAINS. H CONCRETE ATED). NNAGE). AN		REVISIONS 
JIT BODY 80 PVC CON IG CONDUCTO DJACENT SUR ONDUIT TO BI HOLE STRAP. US COPPER IG CONDUCTO F8 GROUND F ROUND CLAN	OR (PAINT TO FACE). UILDING OR ROD BOX 1P R TO PROVIDE		ARCHITECTURE         MARDINITY       ARCHITECTURE         INGENUITY       INGENUITY         MALL       MARINITY         MANGINI ASSOCIATES INC.       www.mangini us         4320 West Mineral King Avenue       (559) 627.1926 Fax         Visalia, California 93291       (559) 627.1926 Fax
H 6 FT. TAIL E EBAR AT PAN BRONZE GRO C-11D OR EQU	BONDED TO NEL LOCATION. DUND CLAMP, IAL. TOR TO BOND D. IAL R HITECT.	Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth – (559)733–2671 Visolio, Colifornio 93292–6705	TITLE DETAILS PANEL SCHEDULES <b>E1.2</b> PROJECT 2143

		FIKE ALAK	MSYSTEM	SEQUENC	E OF OPEK	AIIONS		
	RESULT OF OPERATION			T	YPE OF INITIATIC	N		
	$\checkmark$	MANUAL PULL STATION	AREA SMOKE/ HEAT DETECTOR (1)	CARBON MONOXIDE DETECTOR (2)	LOSS OF POWER	SHORT CIRCUIT/ GROUND FAULT	FIRE SPRINKLER RISER WATER FLOW SWITCH	FIRE SPRINKLER RISER TAMPER SWITCH
	ANNUNCIATE ALARM AT FIRE ALARM CONTROL PANEL	YES	YES				YES	
	ANNUNCIATE TROUBLE AT FIRE ALARM CONTROL PANEL				YES	YES		YES
	ANNUNCIATE SUPERVISORY AT FIRE ALARM CONTROL PANEL			YES				
	ACTIVATE ALL AUDIBLE AND VISUAL ALARM SIGNALS	YES	YES				YES	
	TRANSFER TO BATTERY BACK-UP				YES			
(1)	RELEASE ELECTROMAGNETIC DOOR HOLDERS		YES					
(2)	SHUTDOWN RESPECTIVE A/C UNIT		YES					
(2)	CLOSE SMOKE/FIRE DAMPER		YES		YES			
	ACTIVATE TEMPORAL PATTERN, CODE 4, AT RESPECTIVE DETECTOR	~		YES				
(3)	ANNUNCIATE SUPERVISORY AT THE FIRE ALARM CONTROL PANEL			YES				
	ANNUNCIATE AT 24 HR. ATTENDED LOCATION	YES	YES	YES	YES		YES	YES
	CENTRAL STATION FOR MONITORING (ALARM)	YES	YES				YES	
	CENTRAL STATION FOR MONITORING (TROUBLE)				YES			YES
	CENTRAL STATION FOR MONITORING (SUPERVISORY)							

(1) OR ACTIVATE THE TIME-DELAY RELEASING DEVICE AT OVERHEAD COILING DOOR.

(2) THIS OPERATION SHALL BE ACCOMPLISHED BY UTILIZING THE TOTAL SMOKE COVERAGE SYSTEM TO ACTIVATE THE RESPECTIVE RELAY MODULE. THE CONTACTS SHALL BE PROGRAMMED TO "OPEN", THUS DE-ENERGIZING THE 120V POWER TO THE ACTUATOR OF THE SMOKE/FIRE DAMPER OR "OPENING" THE H.V.A.C. CONTROL CIRCUIT.

(3) UPON DETECTION OF CARBON MONOXIDE, A SUPERVISORY SIGNAL SHALL ANNUNCIATE A BOTH THE FIRE ALARM CONTROL PANEL "F.A.C.P.".

FIRE ALARM SYSTEM GENERAL NOTES

1.	APPLICABLE STANDARD NFPA 72, AS ADOPTED AND AMENDED IN CBC CHAPTER 35.	19.	FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SING
2.	INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS	• -	EXCEED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
3.	FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA. UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE	20.	A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRI THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RE
	ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR TEST SHALL INCLUDE ALL INFORMATION PER NFPA 72 14.6.2.4 AND FIGURE 7.8.2(a) AND READ OUT VERIFICATION FORM FROM CENTER STATION.		TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BR LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE L PANELS/EXTENDERS.
4.	A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.	21.	THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETE COMPLETION" PER NFPA 72, FIGURE 17.8.2.
5.	ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ ENGINEER OF THE PROJECT.	22.	FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED
6.	DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.	23.	MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALAR SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLI CBC SECTIONS 11B-305 AND 11B-308.
7.	ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED	24.	THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PRO SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
	TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.	25.	SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
8.	WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.	26.	OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE S CONTRACT OR PROVISIONS.
9.	WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THAN 6" TO A HORIZONTAL STRUCTURE.	27.	PROVIDE AN ENGRAVED NAMEPLATE INDICATING THE D.S.A FILE NUMBER AND DATE OF INSTALLATION AT EACH FIRE ALA "F.A.C.P.", AT EACH FIRE ALARM TRANSPONDER "F.A.T." AND A POWER EXPANDER PANEL "P.E.P.".
0.	AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.		A. THE PRIMARY POWER SUPPLY TO EACH FIRE ALARM CO TO EACH FIRE ALARM TRANSPONDER "F.A.T." AND TO EACH EXPANDER PANEL "P.E.P." SHALL BE IN ACCORDANCE V
11.	AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN FOR A FIRE ALARM SIGNAL. AUDIBLE DEVICES SHALL ALSO SOUND A TEMPORAL CODE 4 PATTERN FOR A CARBON MONOXIDE SIGNAL. THE EXISTING FIRE ALARM CONTROL		AS FOLLOWS: a) THE CIRCUIT BREAKER FEEDING THE RESPECTIVE
12.	PANEL WILL PRODUCE/GENERATE BOTH SIGNALS. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE		LOCATED IN A LOCKED ROOM OR BEHIND A LOCK READILY ACCESSIBLE TO AUTHORIZED PERSONN
13.	AND TO MINIMIZE FALSE ALARMS. VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT		b) THE CIRCUIT BREAKER SHALL BE EQUIPPED WITH PAINT LOCK-ON ACCESSORY "RED" IN COLOR.
	BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.		c) THE CIRCUIT BREAKER SHALL HAVE AN ENGRAVE IDENTIFIES IT AS A "FIRE ALARM CIRCUIT". THIS ENG
14.	UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.		SHALL HAVE WHITE LETTERS ON A RED BACKGRO INTERIOR TRIM AND LOCATE ADJACENT TO CIRCU POSSIBLE.
15.	ALL FIRE ALARM WIRING SHALL BE FPL OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.		d) THE LOCATION OF THE CIRCUIT DISCONNECTING M PERMANENTLY IDENTIFIED AT EACH FIRE ALARM (
16.	PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.		AT EACH FIRE ALARM TRANSPONDER "F.A.T." AND POWER EXPANDER PANEL "P.E.P.". PROVIDE AN E (WHITE LETTERS ON A RED BACKGROUND) WHICH
17.	SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/ CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED	00	<ul> <li>B. ALL ENGRAVED NAMEPLATES SHALL BE ATTACHED TO RESPECTIVE ENCLOSURE WITH SCREWS OR RIVETS.</li> <li>PROVIDE A COPY OF THE RATTERY CALCULATION AT EACH E</li> </ul>
18.	UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILING, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANNER AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.	28.	PROVIDE A COPY OF THE BATTERY CALCULATION AT EACH F PANEL "F.A.C.P.", AT EACH FIRE ALARM TRANSPONDER "F.A.T. ALARM POWER EXPANDER PANEL "P.E.P.". BATTERY CALCUL INFORMATION AS NOTED ON SCHEDULES AND BE PLASTIC L/ INSIDE FACE OF DOOR.

 $\bigcirc$ 

SHALL BE SECURED TO MOUNTING 5. NO SINGLE DEVICE SHALL

D FOR FIRE ALARM EQUIPMENT. IMON USE AREA PANEL AND SHALL HAVE A RED LOCKING DEVICE CIRCUIT BREAKER SHALL BE ID TO BE LABELED AT FIRE

COMPLETED "SYSTEM RECORD OF

JNCIATORS SHALL BE INSTALLED FINISHED FLOOR.

OICE ALARM COMMUNICATION , INSTALLED IN COMPLIANCE WITH

STEM PROGRAMMING FOR

D VERIFIED AS SENDING CORRECT

ING A FIRE SYSTEM MONITORING

THE D.S.A. APPLICATION NUMBER, CH FIRE ALARM CONTROL PANEL A.T." AND AT EACH FIRE ALARM

EALARM CONTROL PANEL "F.A.C.P.", AND TO EACH FIRE ALARM POWER RDANCE WITH NFPA 7210.6.5 AND

SPECTIVE PANEL SHALL BE ID A LOCKABLE DOOR AND BE PERSONNEL ONLY.

PED WITH A LOCK-ON ACCESSORY.

I ENGRAVED NAMEPLATE THAT . THIS ENGRAVED NAMEPLATE D BACKGROUND. MOUNT ONTO THE TO CIRCUIT BREAKER WHERE

NECTING MEANS SHALL BE E ALARM CONTROL PANEL "F.A.C.P.", F.A.T." AND AT EACH FIRE ALARM VIDE AN ENGRAVED NAMEPLATE JND) WHICH INDICATES THIS.

TACHED TO THE FRONT OF THE

AT EACH FIRE ALARM CONTROL DER "F.A.T." AND AT EACH FIRE Y CALCULATION SHALL CONTAIN LASTIC LAMINATED. MOUNT ONTO

						FIRE ALARM LEVEL OF AUDIBILITY	
SYMBOL	DESCRIPTION	ARM SYSTEM EQUI	CSFM LISTING #	BACKBOX REQUIREMENTS B	MOUNTING HEIGHT (TO CENTER U.O.N.)	ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL BE SO LOCATED AND UNOBSTRUCTED AS TO CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15db ABOVE AMBIENT NOISE LEVELS MEASURED FOUR FEET ABOVE THE FLOOR INSIDE BUILDING.	
	FIRE ALARM CONTROL PANEL "F.A.C.P." INTELLIGENT LOOP INTERFACE - MAIN BOARD INTELLIGENT LOOP INTERFACE - EXPANSION BOARD LCD DISPLAY VOICE GATEWAY	GAMEWELL/F.C.I. #ILI-MB-E3 GAMEWELL/F.C.I. #ILI95-S-E3 GAMEWELL/F.C.I. #LCD-E3 GAMEWELL/F.C.I. #INI-VGX			+60"	AMBIENT NOISE LEVELS SHALL BE CONSTRUED TO MEAN THAT WHICH CAN NORMALLY BE EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATIVE OR WORKING CONDITIONS. THE FIRE ALARM SIGNAL SHALL COMPLY WITH THE CALIFORNIA EDUCATION CODE, SECTIONS 32000 AND 32004, AND BE A TEMPORAL PATTERN, CODE 3 AND THEN FOLLOWED BY ANY VOICE MESSAGES.	CHISED ARCHIN
FACP	ADAPTER PLATE FOR VOICE GATEWAY POWER SUPPLY DIGITAL ALARM COMMUNICATOR/ TRANSMITTER ENCLOSURE WITH PLEXI-GLASS DOOR	GAMEWELL/F.C.I. #90375 GAMEWELL/F.C.I. #PM-9 GAMEWELL/F.C.I. #DACT-E3 GAMEWELL/F.C.I. #E3BB-RD/INCC	7165-1703:0125	INCLUDED	PER DETAIL #8/E2.3	SCHOOLS FIRE ALARM REQUIREMENTS THE FIRE ALARM SYSTEM SHALL CONFORM TO CALIFORNIA BUILDING CODE, SECTION 907.2.3; CALIFORNIA ELECTRICAL CODE, ARTICLE 760 AND CALIFORNIA FIRE CODE, CHAPTER 9, SECTION 907.	★ No. C-33128 REN. 05-31-25 DATE: AUGUST 1, 2022
PEP	INNER DOOR MOUNTING PLATE FIRE ALARM POWER EXPANDER PANEL	GAMEWELL/F.C.1. #E3ID2-D GAMEWELL/F.C.1. #E3-INCC-DPLATE GAMEWELL/F.C.I. #HPFF8	7315-1637:0102	INCLUDED	+60" PER DETAIL #7/E2.3	UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY, NFPA 72. IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET 15db OVER AMBIENT NOISE	
<u>(</u> 3)	ADDRESSABLE PHOTOELECTRONIC SMOKE DETECTOR	GAMEWELL/F.C.I. #ASD-PL3/B300-6	7272-1703:0501 7300-1653:0109	3.5" OCTAGON BOX OR 4" OCTAGON BOX WITH RAISED ROUND COVER	PER DETAIL #1/E2.3	LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY THE ENFORCING FIRE AGENCY.	<b>₩ ₩</b> ⊢
®	ADDRESSABLE HEAT DETECTOR, IN ATTIC, 190°F	GAMEWELL/F.C.I. #ATD-L3H/B300-6	7270-1703:0502 7300-1653:0109	3.5" OR 4" x 11/2" DP. OCTAGONAL BOX WITH 1/2" RAISED ROUND COVER		FIRE ALARM SYSTEM CERTIFICATION AND DESCRIPTION SHALL BE PROVIDED FOR TESTING AND A PLASTIC LAMINATED COPY SHALL REMAIN (WITH INSTRUCTIONS) AT THE FIRE ALARM CONTROL PANEL PER NFPA 72.	<b>NT</b> <b>NT</b>
<b>M</b> M	ADDRESSABLE MONITOR MODULE SPEAKER/STROBE, CEILING MOUNTED	GAMEWELL/F.C.I. #AMM-4F SYSTEM SENSOR	7300-1703:0102	4" SQ. x 21/8" DP. OUTLET BOX 4" SQ. x 21/8" DP. OUTLET BOX	PER DETAIL	THE FIRE ALARM "CERTIFICATE OF COMPLETION" FORM IN NFPA 72 SHALL BE COMPLETED, SIGNED AND SUBMITTED.	
(5) (15)	(CANDELA RATING AS NOTED)	#SPSCWL-P	7320-1653:0505	WITH 11/2" DP. BOX EXTENSION	#1/E2.3	SCOPE OF WORK	
SP <sub>W.P.</sub>	EXTERIOR SPEAKER, WALL MOUNTED	SYSTEM SENSOR #SPRK-R/MWBB	7320-1653:0201	PROVIDE METAL WEATHERPROOF BACKBOX		1. PROVIDE A NEW AUTOMATIC FIRE ALARM SYSTEM WITH SUPPLEMENTAL MANUAL FIRE DETECTION.	SCHO SCHO ORAN, OD
E.O.L.	END OF LINE RESISTOR					2. PROVIDE A FIRE ALARM CONTROL PANEL, FIRE ALARM POWER EXPANDER PANEL, ADDRESSABLE INITIATION DEVICES, NOTIFICATION APPLIANCES, CONDUIT, CABLING	<b>P</b> <b>C</b> <b>A</b> <b>C</b> <b>A</b> <b>C</b> <b>A</b>
"FA" CABLE	ADDRESSABLE FIRE ALARM CABLE (INDOORS)	WEST PENN #D990	7161-0859:0101			AND CONDUCTORS AS SHOWN ON THE DRAWINGS.	
"SFA" CABLE	ADDRESSABLE FIRE ALARM CABLE (OUTDOORS)	WEST PENN #AQ225	7161-0859:0101			FIRE ALARM MONITORING NOTE	
"FSP" CABLE	FIRE ALARM SPEAKER CABLE	WEST PENN #994S	7161-0859:0101			AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX (CENTRAL	<b>BUI</b> <b>BUI</b> <b>BUI</b> JOINT S. DAIRY AY
"SFSP" CABLE	FIRE ALARM SPEAKER CABLE (OUTDOORS)	WEST PENN #AQC224	7161-0859:0101			STATION) OR UUJS (REMOTE AND PROPRIETARY) BY UNDERWRITERS LABORATORY (UL) OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD FM 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.	MO DRAN DRAN 1128 S
"SFN" CABLE	NETWORK FIBER OPTIC CABLE (OUTDOORS)	BERK-TEK #LTROOGABO4O3					NEV CORCO
	ALARM SYSTEM EQUIPMENT					FIRE ALARM RECORD DOCUMENTS CABINET NFPA 72, 7.7.2	
	IE RESISTORS FOR CONVENTIONAL DEVICE IM, 1/2 WATT.	ES CONNECTED TO ADDRES	SABLE MONITOR MOD	ULE DEVICES AND/OR ADDRESSABLE	CONTROL MODULES SHALL	- EVERY NEW FIRE ALARM SYSTEM SHALL PROVIDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR OTHER APPROVED LOCATION.	×
B VERIFY BA	CKBOX REQUIREMENTS WITH FIRE ALARM S	BYSTEM EQUIPMENT SUPPLIE	ER PRIOR TO ROUGH-IN	l.		- THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED, "SYSTEM RECORD DOCUMENTS".	
						- ALL RECORD AND TESTING DOCUMENTATION SHALL BE STORED IN THE CABINET.	
						- CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.	
						- WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNIT, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.	
						SYSTEM DOCUMENTS AS APPLICABLE: - RECORD DRAWINGS/AS-BUILTS.	
						- EQUIPMENT CUT SHEETS AND CA SFM LISTINGS.	
						- ALTERNATIVE MEANS AND METHODS.	
						<ul> <li>PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72, 7.3.7).</li> <li>SYSTEM RECORD OF COMPLETION AND ANY SUPPLEMENTAL INSPECTION AND TESTING</li> </ul>	
						DOCUMENTATION (NFPA 72, 7.8.2).	
						<ul> <li>EMERGENCY RESPONSE PLAN (NFPA 72, 7.3.8.).</li> <li>EVALUATION DOCUMENTATION (NFPA 72, 7.3.9.).</li> </ul>	
						= L V / L U / T U U U U U U U U U U U U U U U U U	

- RISK ANALYSIS DOCUMENTATION (NFPA 72, 7.3.6).

- SOFTWARE AND FIRMWARE CONTROL DOCUMENTATION (NFPA 72, 23.2.2).

## COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).



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FIRE ALARM SYSTEM

**E2.1** 

PROJECT 2143

EQUIP. SPECS, CODES AND NOTES

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**www** (559) (559)

ARG

MANGINI

TITLE

Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth - (559)733-2671 Visalia, California 93292-6705

#### NEW FIRE ALARM CONTROL PANEL "FACP" BATTERY CALCULATION

		SUPV. C	CURRENT	
DESCRIPTION	QUANTITY	EACH	SUB-TOTAL	
FIRE ALARM CONTROL PANEL	1	0.501	0.501	
(E) HORNS	7			
(E) VISUALS	3			
SMOKE DETECTOR	4	0.0003	0.0012	(
ATTIC HEAT DETECTOR	2	0.0003	0.0006	
MONITOR MODULE	6	0.000375	0.00225	
	TOTALS		0.50505	

TOTAL ALARM CURRENT OF  $1.223 \times 0.250$  (15 MINUTES) = 0.3058 A.H. TOTAL SUPERVISORY CURRENT OF 0.50505 x 24 HOURS = 12.12 A.H. TOTAL AMP HOURS REQUIRED

12.4258 A.H. 14.911 A.H.

PROVIDE A MINIMUM OF 22.0 AMP HOUR BATTERIES.

					_			
	FIRE ALARM POWER EXPANDER PANEL BATTERY CALCULATION							
			SUPV.C	CURRENT				
	DESCRIPTION	QUANTITY	EACH	SUB-TOTAL				
	POWER EXPANDER PANEL	1	0.075	0.075				
(A)	SPEAKER/15cd STROBE (CEILING)	4						
		TOTALS		0.075				
	TOTAL ALARM CURRENT OF 0.37 $\times$ 0.250 (15 MINUTES) = 0.0925 A							
	TOTAL SUPERVISORY CURRENT OF 0.075 x 24 HOURS = 1.8 A.H.							

1.8925 A.H. X 1.2 SAFETY FACTOR 2.271 A.H.

PROVIDE 7.0 AMP HOUR BATTERIES

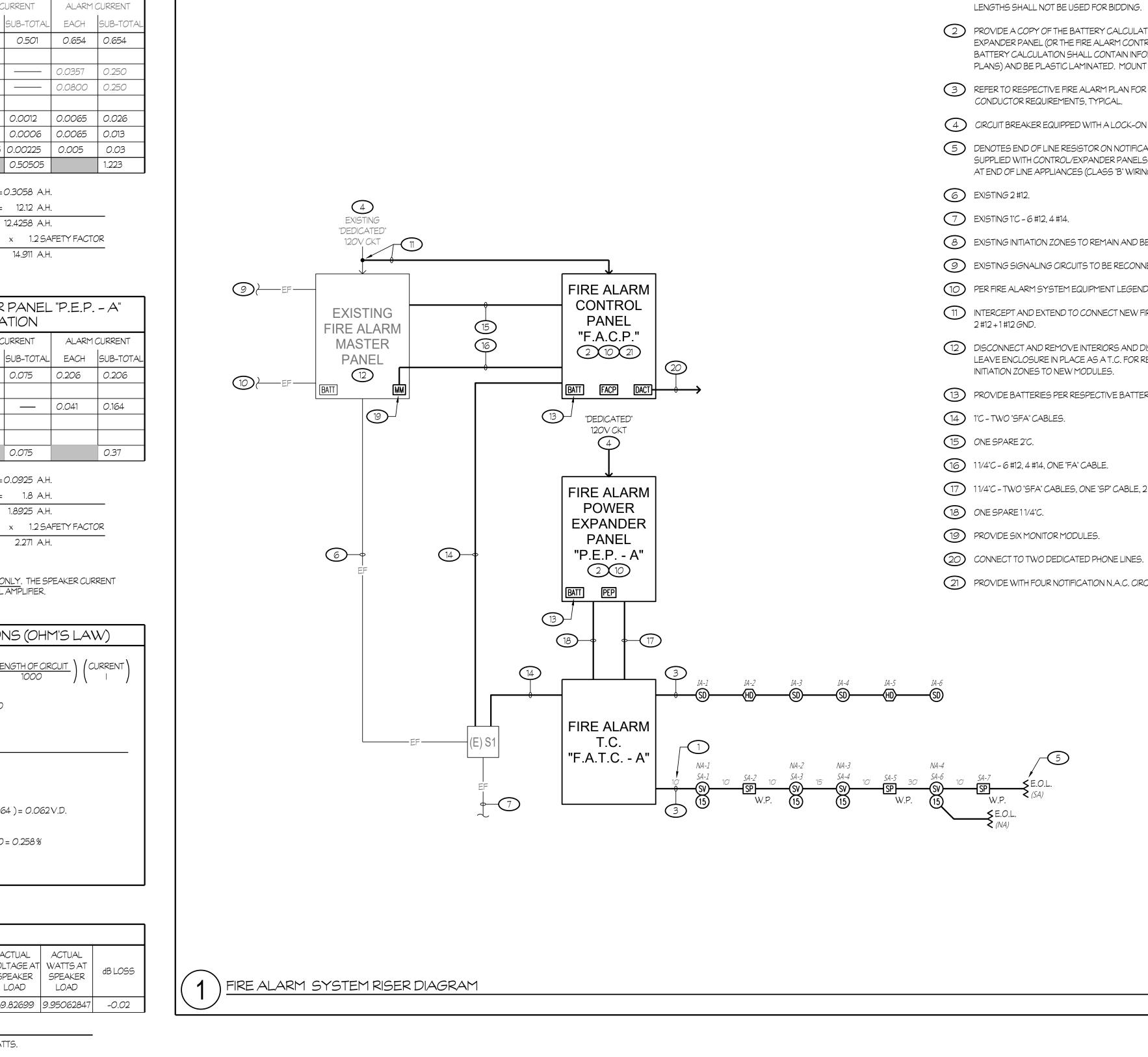
TOTAL AMP HOURS REQUIRED

(A) THE CURRENT VALUES LISTED ARE FOR THE STROBES ONLY. THE SPEAKER CURRENT IS INCLUDED IN THE VALUES LISTED UNDER THE DIGITAL AMPLIFIER.

VOLTAGE DROP CALCULATIONS (OH)
VOLTAGE DROP = 2 $\begin{pmatrix} DC RESISTANCE AT 75^{\circ}C \\ FROM TABLE 8, C.E.C. \end{pmatrix} \begin{pmatrix} LENGTH OF CIR \\ 1000 \end{pmatrix}$
$PERCENT VOLTAGE DROP = \frac{VOLTAGE DROP}{NOMINAL VOLTAGE} \times 100$
1. NOTIFICATION APPLIANCE CIRCUIT " NA ":
$\begin{array}{rcrcrcc} \textbf{15} & : & 4 \times & 0.041 \text{ A} = & 0.164 \text{ A} \\ \textbf{30} & & & 0.164 \text{ A} \end{array}$
VOLTAGE DROP = 2 (1.98) $\left(\frac{95'}{1000}\right)$ (0.164) = 0.062
PERCENT VOLTAGE DROP = $\frac{0.062}{24} \times 100 = 0.258\%$

	SPEAKER dB LOSS CALCULATION										
SPEAKER CIRCUIT	SPEAKER VOLTAGE	WIRE SIZE	RESISTANCE PER FOOT	FEET REQUIRED ON CIRCUIT	WIRE RESISTANCE	TOTAL WATTAGE OF SPEAKERS ON CIRCUIT	SPEAKER CURRENT (AMPS)	RESISTANCE OF SPEAKER LOAD	WIRE SIZE	ACTUAL VOLTAGE AT SPEAKER LOAD	AC WAT SPE LC
SA	70V	18	0.01278	95'	1.21	10	0.14	490.00	18	69.82699	9.950
NOTE:											

CALCULATION IS BASED ON EACH OF THE "INTERIOR" SPEAKERS TAPPED AT 1 WATT AND EACH OF THE "EXTERIOR" SPEAKERS TAPPED AT 2 WATTS.



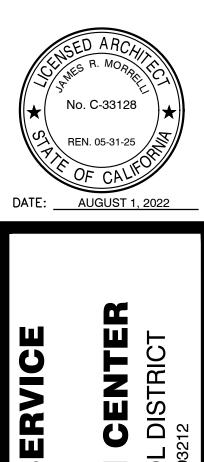
NOTES (THIS SHEET ONLY):

- 1 LENGTHS INDICATED WERE USED FOR CALCULATIONS/DESIGN PURPOSES ONLY AND BASED UPON THE "DIAGRAMMATIC" LAYOUT SHOWN ON THE DRAWINGS. LENGTHS SHALL NOT BE USED FOR BIDDING.
- 2 PROVIDE A COPY OF THE BATTERY CALCULATION FOR THE "RESPECTIVE" POWER EXPANDER PANEL (OR THE FIRE ALARM CONTROL PANEL "F.A.C.P."). THE BATTERY CALCULATION SHALL CONTAIN INFORMATION (AS NOTED ON THESE PLANS) AND BE PLASTIC LAMINATED. MOUNT ONTO INSIDE FACE OF PANEL
- 3 REFER TO RESPECTIVE FIRE ALARM PLAN FOR CONDUIT AND CABLING/ CONDUCTOR REQUIREMENTS, TYPICAL.
- (4) CIRCUIT BREAKER EQUIPPED WITH A LOCK-ON ACCESSORY.
- 5 DENOTES END OF LINE RESISTOR ON NOTIFICATION APPLIANCE CIRCUIT. RESISTORS SUPPLIED WITH CONTROL/EXPANDER PANELS AS REQUIRED. LOCATE RESISTORS AT END OF LINE APPLIANCES (CLASS "B" WIRING). TYPICAL.

- 8 EXISTING INITIATION ZONES TO REMAIN AND BE RECONNECTED.
- (9) EXISTING SIGNALING CIRCUITS TO BE RECONNECTED TO NEW
- 10 PER FIRE ALARM SYSTEM EQUIPMENT LEGEND.
- (1) INTERCEPT AND EXTEND TO CONNECT NEW FIRE ALARM CONTROL PANEL WITH 1/2"C -
- DISCONNECT AND REMOVE INTERIORS AND DISPOSE OF AS DIRECTED BY OWNER. LEAVE ENCLOSURE IN PLACE AS A T.C. FOR RECONNECTION OF EXISTING NAC'S AND INITIATION ZONES TO NEW MODULES.
- (13) PROVIDE BATTERIES PER RESPECTIVE BATTERY CALCULATION.

- (17) 11/4"C TWO "SFA" CABLES, ONE "SP" CABLE, 2 #12.

- (21) PROVIDE WITH FOUR NOTIFICATION N.A.C. CIRCUITS AND TWO SIGNALING LINE CIRCUITS.



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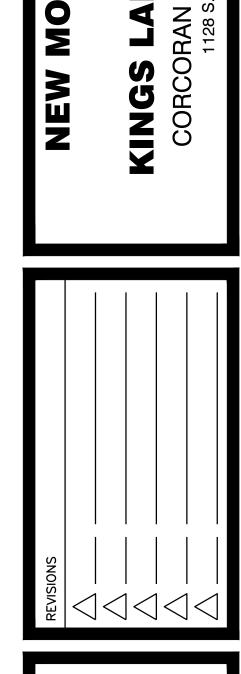
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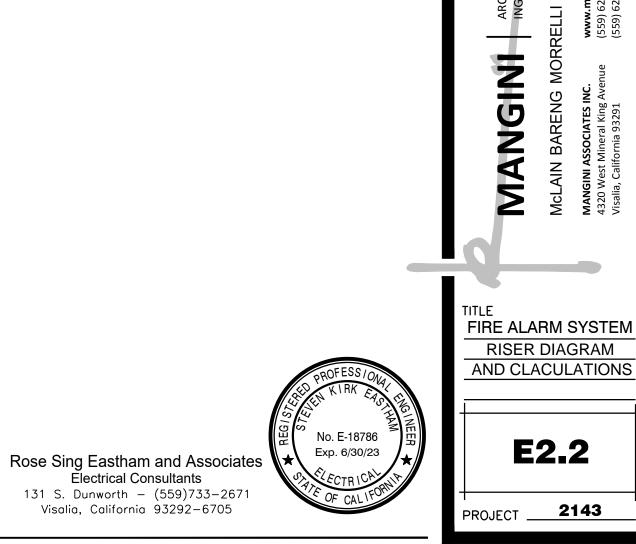
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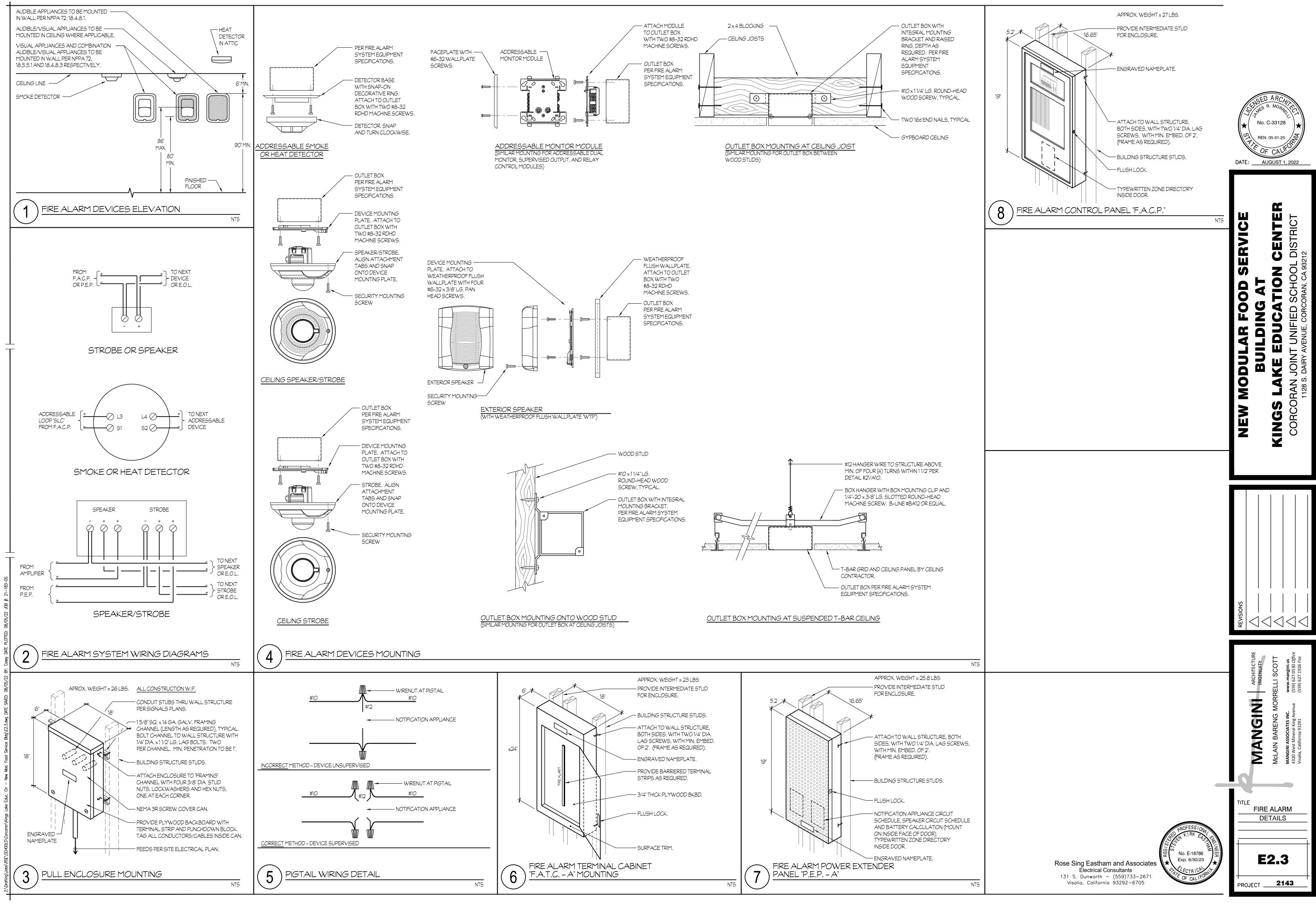
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# **American Modular Systems** CORCORAN JOINT USD - KINGS LAKE EDUCATION CENTER (1) 12' x 40' BUILDING

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## SERIAL NUMBER 22-841-001

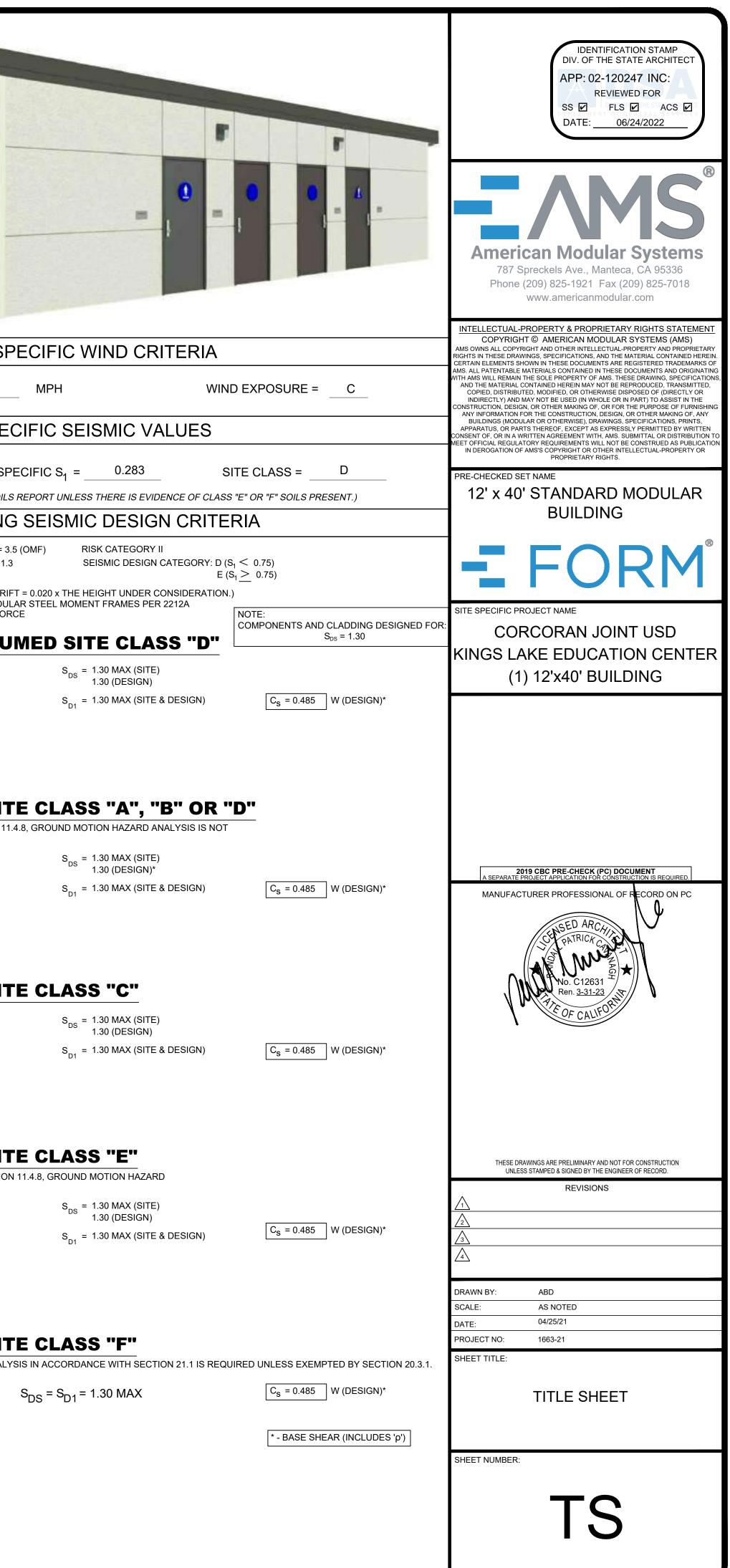
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DEROGATION OF AMERICAN MODULAR SYSTEM, INC.'S COPYRIGHT OR OTHER RESERVED INTELLECTUAL

PROPERTY RIGHTS AND INTERESTS.

APPLICABLE CODES						G DATA		S			
PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2019		OCCUPANCY		E <del>OR B</del>	E OR B (CLASSROOM USE FOR COLLEGE)						
<ul> <li>2019 CALIFORNIA ADMINISTRATIVE CODE (CAC) - PART 1, TITLE 24, CCR)</li> <li>2019 CALIFORNIA BUILDING CODE (CBC), VOLUME 1 &amp; 2 - (PART 2, TITLE 24 CCR) BASED ON THE 2018 INTERNATIONAL BUILDING CODE</li> </ul>		TYPE OF CONSTRUCTI	CONSTRUCTION		V-B (CATEGORY I & II)				SITE SPECIFIC BASIC WIND SF	PEED = 94	
	WITH 2019 CALIFORNIA AMENDMENTS	WIND LOAD			V = 99 MPH BASIC WIND SPEED EXPOSURE = C RISK CATEGORY II						
٠	2019 CALIFORNIA ELECTRICAL CODE (CEC) - (PART 3, TITLE 24, CCR) BASED ON THE 2017 NATIONAL ELECTRIC CODE WITH 2019 CALIFORNIA AMENDMENTS	ASCE 7-16 SECTION28. SIMPLIFIED PROCEDUF				URE COEFF., GC <sub>P,I</sub> = ±0.18 5 DEGREES		K <sub>ZT</sub> = 1.00		SITE SPE	
٠	2019 CALIFORNIA MECHANICAL CODE (CMC) - (PART 4, TITLE 24, CCR) BASED ON THE 2018 UNIFORM MECHANICAL CODE WITH 2019 CALIFORNIA AMENDMENTS	ICE LOAD				) (SEE GENERAL NOTE #15 TH	IIS SHEET)		-		
٠	• 2019 CALIFORNIA PLUMBING CODE (CPC) - (PART 5, TITLE 24, CCR) BASED ON THE 2018 UNIFORM PLUMBING CODE			NOT CO	NSIDERED	O (SEE GENERAL NOTE #14 TH	IIS SHEET)		SITE SPECIFIC $S_s = 0.782$	SITE SF	
<ul> <li>WITH 2019 CALIFORNIA AMENDMENTS</li> <li>2019 CALIFORNIA ENERGY CODE (CEC) - (PART 6, TITLE 24, CCR)</li> </ul>		ROOF LIVE LOAD (MAX	PSF)	20 (RED	UCIBLE)				(NOTE: SITE SHALL BE S	SITE CLASS "D" IF NO SOIL	
	WITH 2019 CALIFORNIA AMENDMENTS	FLOOR LIVE LOAD (PSF	=)	50		50+15 🔲 100				PC BUILDING	
	2019 CALIFORNIA FIRE CODE (CFC) - (PART 9, TITLE 24, CCR) BASED ON THE 2018 INTERNATIONAL FIRE CODE WITH 2019 CALIFORNIA AMENDMENTS	`	,								
	2019 CALIFORNIA GREEN BUILDING CODE (CGC) - (PART 11, TITLE 24, CCR) 2019 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)	DESIGN DEAD LOADS (	,			FLR - 48.0 CONC. FLR - 18.0 E				= 0.231 <sub>s</sub> R = 3	
PA	ARTIAL LIST OF APPLICABLE STANDARDS	FIRE SPRINKLER SYST				) IN ROOF DESIGN DEAD LOA	Υ.		$\Omega_{\rm O} = 3.0$ $C_{\rm d}$	$= 3.0 \qquad \rho = 1.$	
•	NFPA 13 AUTOMATIC SPRINKLER SYSTEM 2016 EDITION	ROOF SOLAR PANEL S				ETE FOUNDATION	JS ABOVE (SEE GENERA	LINOTE #9 THIS SHEET)	MAXIMUM STORY DRIFT R		
٠	NFPA 14STANDPIPE AND HOSE SYSTEMS2016 EDITIONNFPA 17DRY CHEMICAL EXTINGUISHING SYSTEMS2017 EDITION	FLOOD HAZARD AREA				L NOTE #11 THIS SHEET)			LATERAL FORCE RESISTI ANALYSIS PROCEDURE: E		
	NFPA 17AWET CHEMICAL EXTINGUISHING SYSTEMS2017 EDITIONNFPA 20STATIONARY PUMPS2016 EDITION	RAIN INTENSITY (IN/HR	)	3"							
	NFPA 24PRIVATE FIRE MAINS2016 EDITIONNFPA 72NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED)2016 EDITION	BUILDING AREA (SQ. F	, Г.)	480					NO SOILS REP	ORT - ASSL	
	(NOTE: SEE UL, STANDARD 1971 FOR "VISUAL DEVICES") NFPA 253 CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS 2015 EDITION	CLIMATE ZONE		1-1	4	16 1-16	(DESIGNED FOR WC	ORST CASE CZ15)	S <sub>S</sub> = 1.631 MAX (SITE		
	NFPA 2001CLEAN AGENT FIRE EXTINGUISHING SYSTEMS2015 EDITION015 EDITION2015 EDITION	MODULES		LIGHT M	IODULAR S	STEEL MOMENT-FRAMES PER	CBC SECION 2212A		1.631 (DESIGN)		
		SYSTEM		12'x40' N	IODULE				S <sub>1</sub> = 1.147 MAX (SITE	. & DESIGN) F <sub>V</sub> = 1.7	
	GENERAL NOTES	FOUNDATION TYPE		CONCR	ETE FOUNI	DATIONS					
	SUBSTITUTION OF PRODUCTS OR PROCESSES WHICH CHANGE THE STRUCTURAL SAFETY, FIRE & LIFE-SAFETY, OR ACCESSIBILTY OF THIS BUILDING			SITE	-SPE	CIFIC OPTIONS	5				
	SHALL BE SUBMITTED TO THE DSA AS AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT. PC BUILDING APPROVED ONLY FOR OCCUPANCY "E" OR "B".	FLOOR DECK				36 DECK 11/2"x18 GA.	3WxH DECK 3"x18	2 64	—		
	PC BUILDING EXITING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC.		-			_			4		
	PC BUILDINGS LOCATED IN FIRE HAZARD SEVERITY ZONES PER WILDLAND URBAN INTERFACE FIRE AREAS (WUI) SHALL CONFORM TO CBC CHAPTER 7A. PC IS NOT APPROVED FOR WUI.	WALL STUDS EXTERIOR WALL				HT-GAUGE STEEL			🛛 🗆 WITH SOILS R	EPORT - SI	
5.	AUTOMATIC SPRINKLER SYSTEMS MIGHT BE REQUIRED FOR SITE SPECIFIC PROJECTS. OPTIONAL AUTOMATIC FIRE SPRINKLER DESIGNS ARE NOT	FINISH	STUCCO		SYN	NTHETIC STUCCO		DURATEMP 303	NOTE: PER EXCEPTION 2	OF ASCE 7-16 SECTION 12	
	INCLUDED IN THIS PC APPROVAL. (NOTE: SEE BUILDING DATA THIS SHEET FOR FIRE SPRINKLER SYSTEM WEIGHT INCLUDED IN BUILDING DESIGN) FIRE SERVICE UNDERGROUND SHALL BE REVIEWED AS A SITE SPECIFIC APPLICATION. WATER SUPPLY SHALL BE DESIGNED TO MEET THE PC	HVAC		LOOR MOUNTED	EXT	FERIOR WALL MOUNTED	SPLIT SYSTEM		REQUIRED FOR SITE CLAS		
	SPRINKLER DEMAND REQUIREMENTS.		3" x 20 GA.						S <sub>s</sub> = 1.955 MAX (SITE 1.955 (DESIGN)		
	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	ROOFING	STANDING	SEAM		LT-UP ROOFING	SINGLE-PLY		S <sub>1</sub> = 1.147 MAX (SITE		
-	OTHER SUCH AREAS NOT CLASSIFIED AS GROUP H, LOCATED IN GROUP E OCCUPANCIES.	ROOF PITCH	SINGLE PIT	СН		AL PITCH			]	v	
	A SEPARATE NON-PC DSA APPLICATION NUMBER (SITE SPECIFIC JOB) 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	ROOF DIAPHRAGM	STEEL STR	AP CROSS BRACIN	IG - SEE SH	HEET S4.0 🛛 ½" SHEATH	IING - SEE SHEET S4.1				
	<ul> <li>INSTALLED FLAT ON THE ROOF. (NOTE: SEE BUILDING DATA THIS SHEET FOR SOLAR PANEL SYSTEM WEIGHT &amp; 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.</li> <li>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</li> </ul>		FRONT OVERHANG       NO       YES - LENGTH: 5'-0"       ENCLOSED - 7'-0" MAX								
				YES - LEN	GTH <sup>.</sup> 2'-0"	ENCLOSED - 7'-0	" MAX				
	LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD.	REAR OVERHANG								FPORT - SI	
	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 GEOTHECHNICAL ENGINEER IS NEEDED TO VALIDATE THAT THE ALLOWABLE SOIL VALUES	SOLATUBE ON ROOF	NO NO								
	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 GEOTHECNICAL ENGINEER SHALL BE PROVIDED, EVEN IF THE PRESUMPTIVE LOAD-BEARING VALUES	FIRE SPRINKLERS	NO NO	YES (SE	E GENERA	AL NOTES #5 - #7 THIS SHEET	DTES #5 - #7 THIS SHEET)		S <sub>s</sub> = 1.631 MAX (SITE 1.631 (DESIGN)		
	PER CBC SECTION 1806A.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	PARAPETS	NO NO	YES (SE	E SHEET S	54.3)			S <sub>1</sub> = 1.393 MAX (SITE		
	NOT IN A FLOOD HAZARD ZONE. LOCATION OF ELECTRICAL ELEMENTS SHALL CONFORM TO THE AMERICAN SOCIETY OF CIVIL ENGINEERS.	SOLAR PANELS	NO NO	YES (SE	E GENERA	AL NOTE #9 THIS SHEET)					
	THE PLACEMENT OF THE PC BUILDING(S) ON OR ADJACENT TO SLOPES SHALL COMPLY WITH THE 'FOUNDATION CLEARANCES FROM SLOPES' SPECIFICATIONS FOUND ON SHEET N2.0 OF THESE DRAWINGS.	OPTIONAL SIDE WALL CANOPY	NO NO	YES (SE	E SHEET S	S5.4A)					
	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 L <sub>eg</sub> -1-hr DURING ANY HOUR OF OPERATION WHEN NOISE	LIQUEFIABLE SOILS	NO NO		E GENERA	AL NOTE #10 THIS SHEET)			-		
	contours are not readily available, as specified in calgreen code, section 5.507.4.1 & 5.507.4.1.1.	MAPPED GEOHAZARD							4		
	THIS PC BUILDING IS NOT DESIGNED FOR SNOW LOADS. THIS PC BUILDING IS NOT DESIGNED FOR ICE LOADS.	ZONE	NO NO	YES (AS	DEFINED	BY PC-6 SECTION 1.8)					
	BUILDING SHALL BE MANUFACTURED IN COMPLIANCE WITH CFC CHAPTER 33 FOR FIRE SAFETY DURING CONSTRUCTION.	GEOHAZARD REPORT	NO NO	T YES						EPORT - SI	
	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	IF YES	GEOTECHNICAL	FIRM:					NOTE: PER EXCEPTION 1 ANALYSIS IS NOT REQUIR		
	GEOLOGICAL HAZARD ZONES IN ACCORDANCE WITH IR A-4, SECTION 3.2.1.		REPORT #:	- 7		REPORT DATE:			Sू = 1.625 MAX (SITE		
		GEOTECHNICAL REPORT	NO NO	☐ YES		* REQUIRED IF E	UILDING AREA > 4,000 SF	-	1.625 (DESIGN)	, a	
		IF YES	GEOTECHNICAL	FIRM:					S <sub>1</sub> = 0.975 MAX (SITE	. & DESIGN) F <sub>V</sub> = 2.0	
			REPORT #:			REPORT DATE:			]		
			DEEPER FOOTIN	IGS REQUIRED?	□ NO	YES - REQI	JIRED DEPTH:				
			WIDER FOOTING				JIRED WIDTH:		-		
			WIDERTOOTING	STREQUIRED!					4		
			DEFAULT C	ONCRETE MIX DES	IGN FOR B	BELOW GRADE CONCRETE PE	R SHEET N1.0A.			EPORT - SI	
		CONCRETE MIX DESIGN		SITE-SPECIFIC CON	SPECIFIC CONCRETE MIX DESIGN FOR BELOW GRADE CONCRETE PER SHEET N1.0A.			<sup>-</sup> N1.0A.	PER ASCE 7-16 SECTION 11.4.		
		_							SEE GENERAL NOTE #10.	_	
	© 2020 BY AMERICAN MODULAR SYSTEMS, INC.								SITE SPECIFIC $S_{DS} = $		
	ALL OF THE DRAWINGS AND DETAILS CONTAINED IN THIS PACKAGE										
	ARE THE INTELLECTUAL PROPERTY OF AMS AND MAY NOT BE USED FOR CONSTRUCTION OR DESIGN BY ANOTHER ENTITY WITHOUT THE								SITE SPECIFIC S <sub>D1</sub> =		
	EXPRESS WRITTEN PERMISSION OF AMS.										
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	MODULAR SYSTEMS, INC. CERTAIN ELEMENTS CONTAINED IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMERICAN MODULAR										
	SYSTEMS, INC. SHALL REMAIN THE SOLE PROPERTY OF AMERICAN MODULAR SYSTEMS, INC. SUBMITTAL OR	1							1		

# SEE SHEET TS2 FOR SHEET INDEX



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		AF									MECHANICAL	
OP	TIONS	SHEET NUMBER	SHEET TITLE	ΟΡΤΙΟ	ONS	SHEE	T NUMBER	SHEET TITLE	OPTIONS	SHEET NUMBER	SHEET TITLE	OPTIONS
COVE	ER SHEET	🖾 TS	TITLE SHEET	STEEL M			S0.0	STEEL MEMBER PROPERTIES		⊠ M1.0	TYPICAL REFLECTED CEILING PLAN	
		TS2	SHEET INDEX	PROPER					FLOOR PLANS	⊠ M1.1	TYPICAL MECHANICAL PLAN OPTIONS	FLOOR PLAN & DETA
INSPEC	TION FORM	⊠ D1	FORM DSA-103	ANS		$\square$	S1.0	CONCRETE FOUNDATION PLANS CONCRETE FLOORS (100 PSF MAX FLOOR LIVE LOAD)		□ M1.2	RESTROOM REFLECTED CEILING PLAN OPTIONS	
	⊠ N1.0	GENERAL NOTES & SPECIFICATIONS		Ш	$\square$	S1.4	CONCRETE FOUNDATION DETAILS		⊠ M1.4	MECHANICAL & CEILING DETAILS		
		🛛 N1.0A	BELOW GRADE CONCRETE MIX DESIGN REQUIREMENTS				S1.5	CONCRETE FOUNDATION DETAILS	4	□ M1.4A	MECHANICAL & CEILING DETAILS	
GENERAL NOTES	⊠ N2.0	GENERAL NOTES & SPECIFICATIONS	& DE	NOC		S1.6C	DOUBLE PLATE ANCHORAGE FOUNDATION DETAILS	DETAILS	⊠ M1.5	MECHANICAL & CEILING DETAILS		
SPECI	& FICATIONS	⊠ N3.0	TYPICAL SCHEDULES: DOORS, WINDOWS & FINISHES					CONCRETE FOUNDATION OPTIONAL UTILITY OPENINGS IN	4	M1.6	MECHANICAL ROOF DETAILS	
		⊠ N4.0	ACCESSIBILITY STANDARDS AND DETAILS				S1.7	FOOTINGS	-	□ M1.6A	MECHANICAL ROOF DETAILS	
		□ N5.0	FLOOR PLAN CONFIGURATIONS	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					MISCELLANEOUS	⊠ M1.7	CEILING & MECHANICAL NOTES & SCHEDULES	
		EN.1	ENERGY CALCULATIONS	- NA			S3.0	FLOOR FRAMING PLAN & DETAILS FOR PLYWOOD FLOOR			ELECTRICAL	
		EN.2	ENERGY CALCULATIONS		L PL				07710110			
ENERG	GY SHEETS	EN.3	ENERGY CALCULATIONS	- T I - T - T - T - T - T - T - T - T -	>~			FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR	OPTIONS	SHEET NUMBER	SHEET TITLE	
CALC	& ULATIONS	EN.4	ENERGY CALCULATIONS	DET			S3.1	w/BH-DECK OPTION (100 PSF MAX FLOOR L.L.)	FLOOR PLANS & DETAILS	E1.0	ELECTRICAL PLANS & SYMBOLS LEGEND	
0, 120		EN.5	ENERGY CALCULATIONS	L R	CONCRETE w/ METAL DECK					E1.2	ELECTRICAL NOTES & DETAILS	
		EN.6	ENERGY CALCULATIONS		VET,		S3.3	FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/3WxH-DECK OPTION (100 PSF MAX FLOOR L.L.)				
		A1.0	TYPICAL FLOOR PLAN		02			W3WXH-DECK OF HON (100 F31 WAXT LOOK E.E.)				
FLOC	OR PLANS	A1.2	RESTROOM FLOOR PLAN OPTIONS	-			S4.0	ROOF FRAMING PLAN & DETAILS - CROSS BRACING OPTION				
AILS	AL DING	A2.0	TYPICAL ROOF PLAN - METAL STANDING SEAM				S4.1	ROOF FRAMING PLAN & DETAILS - ROOF SHEATHING OPTION	-			
DET	DETAIL			-			S4.2	ROOF FRAMING DETAILS - CROSS BRACING OPTION	4			
1 & 1	ST S	A2.1	TYPICAL ROOF DETAILS - METAL STANDING SEAM ROOFING					ROOF FRAMING DETAILS - ROOF SHEATHING OPTION	4			
PLAN	R PL	A2.2	A2.2 TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP ROOFING				S4.4	OPTIONAL PARAPET FRAMING ELEVATIONS & DETAILS	4			
OF F	ULT-I SLE			BUILDING F	FRAMING			MOMENT FRAME ELEVATIONS & DETAILS	-			
RO		□ A2.5	TYPICAL ROOF DETAILS - SINGLY-PLY OR BUILT-UP ROOFING	ELEVATIONS			S5.1	MOMENT FRAME CONNECTION DETAILS	4			
	1	A4.0	INTERIOR ELEVATIONS - TYPICAL CLASSROOM	1			S5.4A	OPTIONAL SIDE WALL CANOPY PLAN & DETAILS	-			
INTERIOR	R ELEVATIONS	A4.1	INTERIOR ELEVATIONS - RESTROOM OPTIONS	1	D S O	$\square$	S8.0	WALL FRAMING ELEVATIONS & SCHEDULES - WOOD STUDS				
		A4.2	INTERIOR ELEVATIONS - RESTROOM OPTIONS		WOOD STUDS		S8.1	WALL FRAMING DETAILS - WOOD STUDS				
		□ A5.0	TYPICAL EXTERIOR ELEVATIONS -	WALL			00.1	WALL FRAMING ELEVATIONS & SCHEDULES	-			
	DURATEMP 303 SIDING	A5.1	DURATEMP 303 SIDING OPTION TYPICAL ARCHITECTURAL DETAILS -	FRAMING	JS AL		S9.0	- METAL STUD OPTION				
S S			DURATEMP 303 SIDING OPTION	4	METAL STUDS		S9.1	WALL FRAMING DETAILS - METAL STUD OPTION				
ATION <sup>6</sup> DETAII	STUCCO	A5.2	TYPICAL EXTERIOR ELEVATIONS - STUCCO OPTION		20		S9.2	TYPICAL METAL STUD FRAMING DETAILS & PROPERTIES				
ELEVA & URAL [		⊠ A5.3	TYPICAL ARCHITECTURAL DETAILS - STUCCO OPTION									
IOR	LAP SIDING	□ A5.4	TYPICAL EXTERIOR ELEVATIONS - LAP SIDING OPTION									
EXTER	LAP SIDING	□ A5.5	TYPICAL ARCHITECTURAL DETAILS - LAP SIDING OPTION									
A K	SYNTHETIC	□ A5.6	TYPICAL EXTERIOR ELEVATIONS - SYNTHETIC STUCCO OPTION									
	STUCCO	□ A5.7	TYPICAL ARCHITECTURAL DETAILS - SYNTHETIC STUCCO OPTION	1								
I		A7.0	ARCHITECTURAL EXTERIOR FINISH OPTIONS DETAILS	1								
		A7.1	MISCELLANEOUS ARCHITECTURAL DETAILS	1								
MISCELLAN	NEOUS DETAILS	A7.3	TYPICAL LONGITUDINAL AND TRANSVERSE FRAME SECTIONS	1								
		1	-									

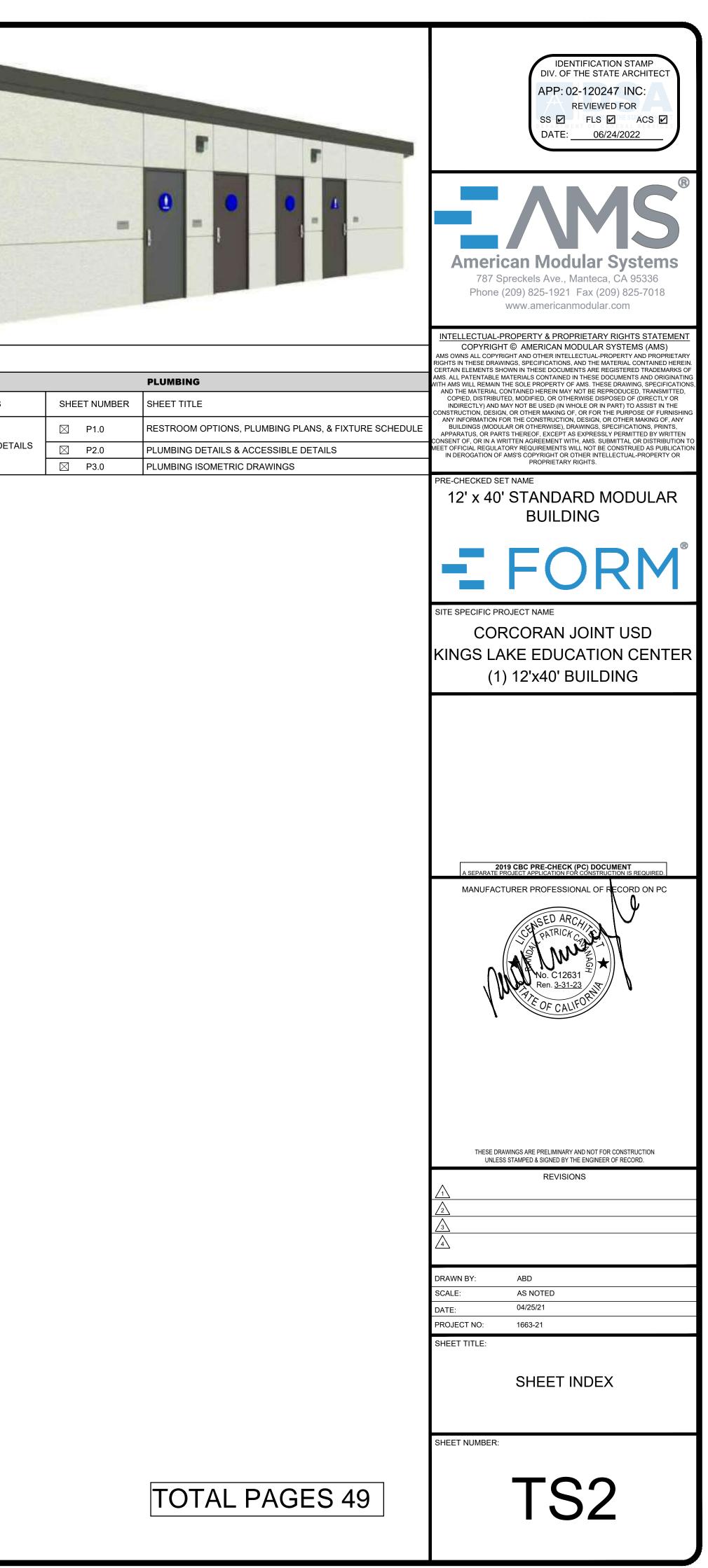
1-HR FIRE RATED CONSTRUCTION DETAILS

🗌 A8.0





## SHEET INDEX



AUTHORIZED USE: ALL INFORMATION INCLUDED ON THIS SHEET (FORM DSA-103) IS FOR THE SOLE PURPOSE OF RECEIVING DSA APPROVAL AND
ISSUANCE OF A PC NUMBER. NO OTHER USE IS AUTHORIZED WITHOUT THE EXPRESS WRITTEN CONSENT OF AMERICAN MODULAR SYSTEMS, INC.

Additional Information for PC designs only, not to be added	d to DSA-103:
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	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 Agency	by the Owner and approved by DSA, A/E of Record and Structural Engineer	by the School District and approved by DSA, A/E responsible for in-plant construction observation.	by the Owner and approved by DSA, A/E of Record and Structural Engineer			
Cost of the Project Inspector (Title 24, Part 1, Section 4-333(b)) and Testing/Special Agency (CAC, Section 4-335(b))	by the Owner	by the School District				

## 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 2019 CALIFORNIA BUILDING CODE SECTIONS 1705A.1, 1705A.2, AND 1704A.3 PLEASE REFER TO THE FOLLOWING INSTRUCTIONS.

- A. INSPECTION PRIOR TO INSTALLATION
- 1. ENSURE THAT THERE ARE NO GAPS BETWEEN THE CONNECTING STEELWORK.
- 2. ENSURE THAT THE HOLES ARE ALIGNED AND THAT THE HOLES HAVE THE CORRECT DIAMETER AND SPACING FOR THE CHOSEN HOLLO-BOLT.
- 3. THE HOLES MUST BE STANDARD DIAMETER HOLES CONFORMING TO AISC 360 WHERE THE HOLE DIAMETER MUST BE NO GREATER
- THAN THE SLEEVE OUTER DIAMETER +1/16". 4. 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
- 2. ENSURE THAT THE TORQUE WRENCH(S) HAS A CURRENT VALID CALIBRATION CERTIFICATE AND IS CALIBRATED ON REGULAR BASIS.
- 3. 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. 4. 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. 5. 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
- 1. ENSURE THAT THERE ARE NO GAPS BETWEEN THE CONNECTING STEELWORK.
- 2. ENSURE THAT THERE ARE NO GAPS BETWEEN THE HOLLO-BOLT AND THE CONTACT SURFACE OF THE CONNECTING ELEMENT.
- 3. CHECK THE TIGHTENING TORQUE OF BETWEEN 5-10% OF THE INSTALLED HOLLO-BOLTS CHOSEN AT RANDOM USING A CALIBRATED TORQUE WRENCH.

## FOOTNOTES

- 1. WAIVER OF CONTINUOUS BATCH PLANT INSPECTION (PER CBC 1705A3.3.1 AND DSA IR 17-13)
- A. 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.
- B. IF THE BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING REQUIREMENTS a) THRU c) SHALL BE MET: a) 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.
- b) THE LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
- c) BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD PRIOR TO CONCRETE PLACEMENT. 2. ELIMINATION OF CONTINUOUS BATCH PLANT INSPECTION (PER CBC 1705A3.3.2):
- A. BATCH PLANT INSPECTION IS NOT REQUIRED FOR ANY OF THE FOLLOWING CONDITIONS:
  - a) SITE FLATWORK,
  - b) UNENCLOSED SITE STRUCTURES, INCLUDING BUT NOT LIMITED TO LUNCH OR CAR SHELTERS, BLEACHERS, SOLAR STRUCTURES, FLAG OR LIGHT POLES, OR RETAINING WALLS,
  - c) CONTROLLED LOW-STRENGTH MATERIAL BACKFILL, OR
- d) SINGLE STORY RELOCATABLE BUILDINGS LESS THAN 2,160 SQUARE FEET.
- 3. PER CBC 1910A.2, TESTING MAY BE WAIVED FOR ONE-STORY BUILDINGS IF A CERTIFIED MILL TEST REPORT IS PROVIDED. 4. REQUIRED ONLY WHERE DETAILS SPECIFY THE USE OF THESE ATTACHMENTS.
- 5. INSPECTION OF VENEER DETAILED ON SHT. A7.0 MAY BE WAIVED BY DSA ON A SITE SPECIFIC BASIS.
- 6. THE APPENDIX TO DSA-103 SHALL BE COMPLETED BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
- 7. 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 S5.1 HAVE A THICKNESS OF 5/6" 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 AISC 360, CHAPTER N, PER 2019 CBC 1705A.2.1. 8. 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.
- 9. QUALIFIED REPRESENTATIVE OF LABORATORY OF RECORD OR APPROVED SPECIAL INSPECTOR SHALL VERIFY ALL STEEL IDENTIFICATION PER 2019 CBC 2202A.1 AND DSA IR 17-3 STRUCTURAL WELDING INSPECTION.



#### **TEST OR INSPECTION** (as listed on DSA-103)<sup>8</sup>

MATERIAL TYPE

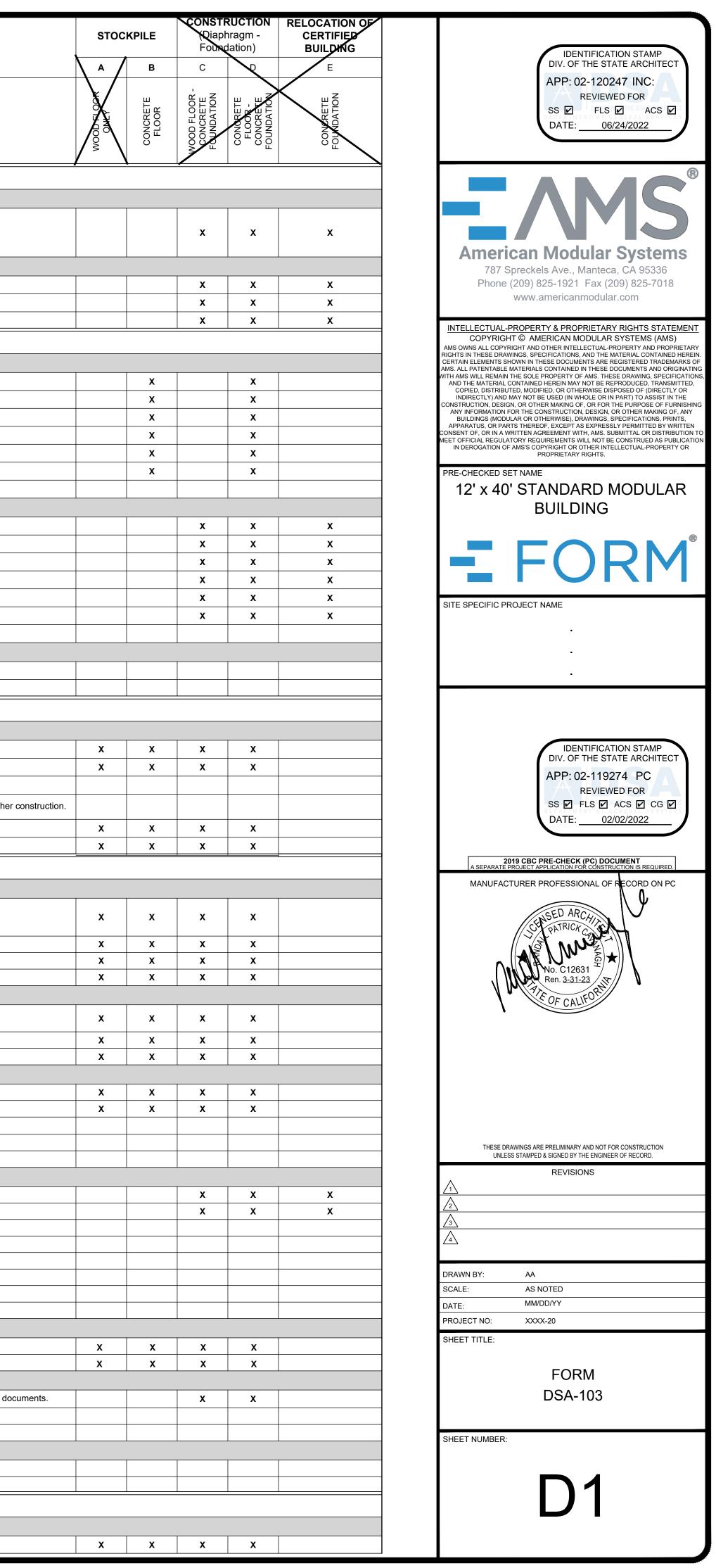
#### SOILS

	_	-	
_			-

	1. GENERAL:	
	a. Verify that:	
	Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations.	
	<ul> <li>Foundation excavations extended to proper depth and have reached proper material.</li> <li>Materials below footings are adequate to achieve the design bearing capacity.</li> </ul>	
	2. COMPACTED FILLS:	
	a. Perform classification and testing of fill materials.	
	b. Verify use of proper materials, densities, and inspect lift thicknesses, placement and compaction during placement of fill.	
	c. Compaction testing.	
ONC	TE	
	7. CAST IN PLACE CONCRETE - Lightweight over Metal Deck:	
	a. Verify use of required design mix.	
	b. Identify, sample, and test reinforcing steel. <sup>(3)</sup>	
	c. During concrete placement, fabricate specimens for strength tests, performing slump, and air content tests, and determine the temperature of the concrete.	
	d. Test concrete (f' <sub>c</sub> - compression).	
	e. Batch plant inspection <sup>(1),(2)</sup> – design complies with 1705A.3.3	
	f. Welding of reinforcing steel.	
	7. CAST IN PLACE CONCRETE - Foundation:	
	a. Verify use of required design mix.	
	b. Identify, sample, and test reinforcing steel. <sup>(3)</sup>	
	c. During concrete placement, fabricate specimens for strength tests, performing slump, and air content tests, and determine the temperature of the concrete.	
	d. Test concrete ( $f_c$ - compression).	
	e. Batch plant inspection <sup>(1),(2)</sup> – design complies with 1705A.3.3	
	f. Welding of reinforcing steel.	
	11. POST-INSTALLED ANCHORS <sup>(4)</sup> :	
	a. Inspect installation of post-installed anchors	
	b. Test post-installed anchors	
ASO	Y	
	14. VENEER OR GLASS BLOCK <sup>(5)</sup> :	
	a. Verify proportions of site-prepared mortar and grout and/or verify certification of premixed mortar.	
	b. Inspect placement of units and construction of mortar joints.	
	c. Inspect placement of reinforcement, connectors, and anchors.	
	d. Inspect type, size, and location of anchors and all other items to be embedded in masonry including details of anchorage of masonry to structural members, frames, and	othe
	e. Verify preparation, construction, and protection of masonry during cold weather (temperature below 40° F) or hot weather (above 90°).	
	f. Test veneer bond strength.	
TEEI	LUMINUM	
	17. 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.	
	b. Test unidentified materials	
	c. Examine seam welds of HSS shapes	
	d. Verify and document steel fabrication per DSA approved construction documents.	
	19. WELDING:	
	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	
	b. Verify weld filler material manufacturer's certificate of compliance.	
	c. Verify WPS, welder qualifications and equipment.	
	19.1 SHOP WELDING:	
	a. Inspect groove, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds	
	<ul> <li>a. Inspect groove, multi-pass fillet welds, single pass fillet welds &gt; 5/10, plug and slot welds</li> <li>b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds</li> </ul>	
	c. Inspect welding of stairs and railing systems	
	d. Verification of reinforcing steel weldability other than ASTM A706.	
	e. Inspect welding of reinforcing steel.	
	19.2 FIELD WELDING:	
	a. Inspect groove, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds (See foundation anchorage - S1.6 sheets)	
	<ul> <li>b. Inspect single-pass fillet welds ≤ 5/16" (See foundation anchorage - S1.6 sheets)</li> </ul>	
	<ul> <li>c. Inspect end-welded studs (ASTM A-108) installation (including bend test)</li> </ul>	
	d. Inspect floor and roof deck welds	
	e. Inspect welding of structural cold-formed steel	
	f. Inspect welding of stairs and railing systems	
	g. Verification of reinforcing steel weldability	
	h. Inspect welding of reinforcing steel.	
	20. NONDESTRUCTIVE TESTING <sup>(7)</sup> :	
	a. Ultrasonic (Test per sheet S5.1)	
	b. Magnetic Particle (Test per sheet S5.1)	
	22. SPRAY APPLIED FIRE-PROOFING:	
	a. Examine structural steel surface conditions, inspect application, take samples, measure thickness, and verify compliance of all aspects of application with DSA approved	ed d
		-u d
	<ul><li>b. Test bond strength.</li><li>c. Test density.</li></ul>	
	23. ANCHOR BOLTS, ANCHOR RODS, & OTHER STEEL:	
	<ul><li>a. Anchor Bolts and Anchor Rods</li><li>b. Threaded rod not used for foundation anchorage.</li></ul>	

OTHER

#### **26. LOAD TEST FOR IDENTIFIED PRODUCT(S):** a. Column fire rating where specified per 20/A8.0 and tested per 1705A.15



<ul> <li>A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.</li> <li>B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE RDPRC.</li> <li>C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS, 2019 C.B.C. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE RDPRC.</li> <li>2. SCOPE OF WORK</li> <li>A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.</li> <li>B. ALL REQUIREMENTS OF TITLE 24 OF THE STATE OF CALIFORNIA, CODE OF REGULATIONS, RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:</li> </ul>	<ul> <li>OTHERWISE NOTED ON DRAWINGS:</li> <li>CONCRETE DIRECTLY AGAINST GROUND (EXCEPT SLABS)</li></ul>
<ol> <li>GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION TO BE PROVIDED BY THE RDPRC.</li> <li>INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING MECHANICAL AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.</li> <li>ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DWISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.</li> <li>OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.</li> <li>ADDENDUMS SHALL BE SIGNED BY THE RDPRC &amp; APPROVED BY D.S.A.</li> <li>CHANGES TO CONSTRUCTION DOCUMENT AFFECTING ACS, FLS &amp; SSS SHALL BE SIGNED BY THE OWNER A THE RDPRC &amp; APPROVED BY D.S.A.</li> <li>CHANGES TO CONSTRUCTION DOCUMENT AFFECTING ACS, FLS &amp; SS SHALL BE SIGNED BY THE OWNER A THE RDPRC &amp; APPROVED BY D.S.A. PRIOR TO COMMENCING WORK. CHANGES TO THE CONSTRUCTION COST ARE REPORTED TO D.S.A. USING FORM DSA-168 AT THE CONCLUSION OF THE PROJECT.</li> <li>THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.</li> <li>ALL CONTRACTOR S BHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE RDPRC/OWNER IMMEDIATELY BEFORE COMMENCING WORK.</li> <li>EACH CONTRACTOR TO DE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.</li> <li>ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.</li> <li>ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERTING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.</li> <li>ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIR</li></ol>	<ul> <li>SECTION 5 STEEL</li> <li>GENERAL - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC 360-16, TITLE 24 OF CALIFORNIA CODE OF REGULATIONS SECTION 2212A.12, AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.</li> <li>A. FABRICATION AND ERECTION SHALL COMPLY WITH AISC 360-16 CHAPTER 'M' AND AISC 341-16 CHAPTER 'T.</li> <li>WELDING - ALL WELDING SHALL COMPLY WITH REQUIREMENTS OF THE "STRUCTURAL WELDING GUDE" OF THE AMERICAN WELDING SOCIETY AND WELDIN DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24, PART 2, CCR, SECTIONS 1705A.25. WELDING ELECTRODES, IF UTILIZED, SHALL BE EFOXX. ALL WELDS USED PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LBS AT ZERO DEGREES F AND COMPLYING WITH AN D1.8-2016. SECTION 6.1.</li> <li>STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A992, GRADE 50, TYP. U.N.O. B. STRUCTURAL STEEL CHANNELS SHALL CONFORM TO ASTM A96 (36 KSI) TYP. U.N.O. WHERE DRAWINGS SPECIFY 50 KSI, CHANNELS SHALL CONFORM TO ASTM A672, GR. 50. NOTE: ASTM A572, GR. 50 MAY BE SUBSTITUTED FOR ASTM A36 (36 KSI).</li> <li>C. PIPE COLUMNS SHALL CONFORM TO ASTM A53 WITH SULFUR CONTENT NOT EXCEEDING 0.05% TYP. U.N.O.</li> <li>D. STRUCTURAL STEEL TUBING (HSS) FOR STEEL MOMENT FRAME COLUMNS PEF SHEET 55.0 SHALL CONFORM TO ASTM A53 WITH SULFUR CONTENT NOT EXCEEDING 0.05% TYP. U.N.O.</li> <li>STRUCTURAL STEEL TUBING (HSS) FOR STEEL MOMENT FRAME COLUMNS PEF SHEET 55.0 SHALL CONFORM TO ASTM A56. SHALL CONFORM TO ASTM A36 (36 KSI) TYP. U.N.O.</li> <li>E. STEEL PLATES, ANGLES, BARS AND MISC. SHAPES SHALL CONFORM TO ASTM A36 (36 KSI) TYP. U.N.O.</li> <li>E. STEEL PLATES, ANGLES, BARS AND MISC. SHAPES SHALL CONFORM TO ASTM A36 (36 KSI) TYP. U.N.O.</li> <li>ERECTION - STRUCTURAL STEEL EDBING CONS END ASTM</li></ul>
<ol> <li>SECTION 2 FOUNDATION</li> <li>ASSUMED ALLOWABLE SOIL BEARING:</li> <li>1500 P.S.F. FOR CONCRETE FOUNDATIONS EMBEDDED 12" MINIMUM BELOW GRADE. (1/3 INCREASE IN SOIL BEARING CAPACITY NOT PERMITTED FOR WIND &amp; SEISMIC LOAD COMBINATIONS UNLESS USING ALTERNATIVE BASIC LOAD COMBINATIONS PER CBC SECTION 1605A.3.2)</li> <li>COTINGS SHALL BE LOCATED ON UNDISTURBED, FIRM, NATURAL SOIL OR APPROVED COMPACTED FILL.</li> <li>WORK NOT INCLUDEDI</li> <li>ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.</li> <li>ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.</li> <li>FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV, TELEPHONE SYSTEM, UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.</li> <li>WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.</li> <li>ACCESSIBILITY OF SITE: THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.</li> </ol>	<ol> <li>TESTS         <ul> <li>PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER TITLE-24 PAR 2, CCR SECTION 1705A.2 &amp; 2202A.</li> </ul> </li> <li>SECTION 6 CARPENTRY         <ul> <li>SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.</li> <li>MATERIALS LUMBER GRADE MARKED IN ACCORDANCE WITH AN APPROVED GRADING AGENCY PER DOC PS20-05 INCLUDING "STANDARD GRADING AND DRESSING RULES NO. 17" OF WEST COAST LUMBER INSPECTION BUREAU, OR "WESTERN LUMBER GRADING RULES", LATEST EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION. OSB OR PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-09, P 2-10, OR PRP-108 FOR SOFTWOOD OSB OR PLYWOOD, OF THE AMERICAN PLYWOOD ASSOCIATION (APA). EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO. MOISTURE CONTENT SHALL NOT EXCEED 19%.</li> <li>JOISTS, HEADERS, PLATES, STUDS: DOUGLAS FIR S4S #2 OR HEM FIR S4S #2 MINIMUM, U.N.O. NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR</li> </ul> </li> </ol>
<ol> <li>SECTION 3 CONCRETE</li> <li>CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-14.</li> <li>THE MINIMUM 28 DAY STRENGTH AND TYPE OF CONCRETE SHALL BE AS FOLLOWS: FOUNDATIONS</li></ol>	FLOOR AND ROOF MEMBERS.         B. PSL HEADERS: TRUS JOIST PARALLAM PSL BY WEYERHAEUSER (ICC ESR-1387) OR EQUIV. MEETING THE FOLLOWING STRUCTURAL PROPERTIES:         BEAMS ≤ 7" DEEP & COLUMNS       BEAMS ≥ 9¼" DEEP         F <sub>b</sub> = 2400 PSI MIN.       F <sub>b</sub> = 2900 PSI MIN.         Fv = 190 PSI MIN.       Fv = 290 PSI MIN.         E = 1.8E6 PSI MIN.       Fv = 290 PSI MIN.         E = 1.8E6 PSI MIN.       E = 2.0E6 PSI MIN.         C. POSTS AND TIMBERS: DOUGLAS FIR S4S #1 OR HEM FIR S4S #1 MIN.         D. BLOCKING: DOUG FIR #3, OR HEM FIR #3, OR STD. & BET.         E. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH: DOUG FIR #2 OR HEM FIR #2 MIN. PRESSURE TREATED IN ACCORDANCE WITH CBC 2304.12.1. EACH PIECE SHALL BEAR AWPA STAMP. AWPA STANDARD U1 & T1 GROUND CONTACT, D.F. (OR H.F.) #2 ABOVE GROUND.         F. MOISTURE BARRIER: KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, CBC SECTION 1403.2. & ASTM D226, TYPE I.         G. STUDS - S4S DOUG FIR #2 OR #2 HEM FIR. MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION.         H. FASTENERS - EXTERIOR USE FASTENERS EXPOSED TO THE OUTSIDE ENVIRONMENT (INCLUDING FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS) SHALL BE CORROSION RESISTANT IN ACCORDANCE WITH C.B.C. SECTION 2304.10.1.1.         I. BUILDING TRIM - 2x RESAWN SELECT D.F., H.F., OR CEDAR.         J. DOORWINDOW TRIM - 1x4 RESAWN D.F., H.F., OR CEDAR.         K. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.         L. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 718.2

CONCRETE continued

- 3/8" OR 1/2" MAX MAY BE USED FOR FOUNDATION VENTS & ACCESS WELLS.
- D. MAX AGGREGATE SIZE SHALL BE 3/8" OR 1/2" FOR LIGHT WT. CONCRETE.

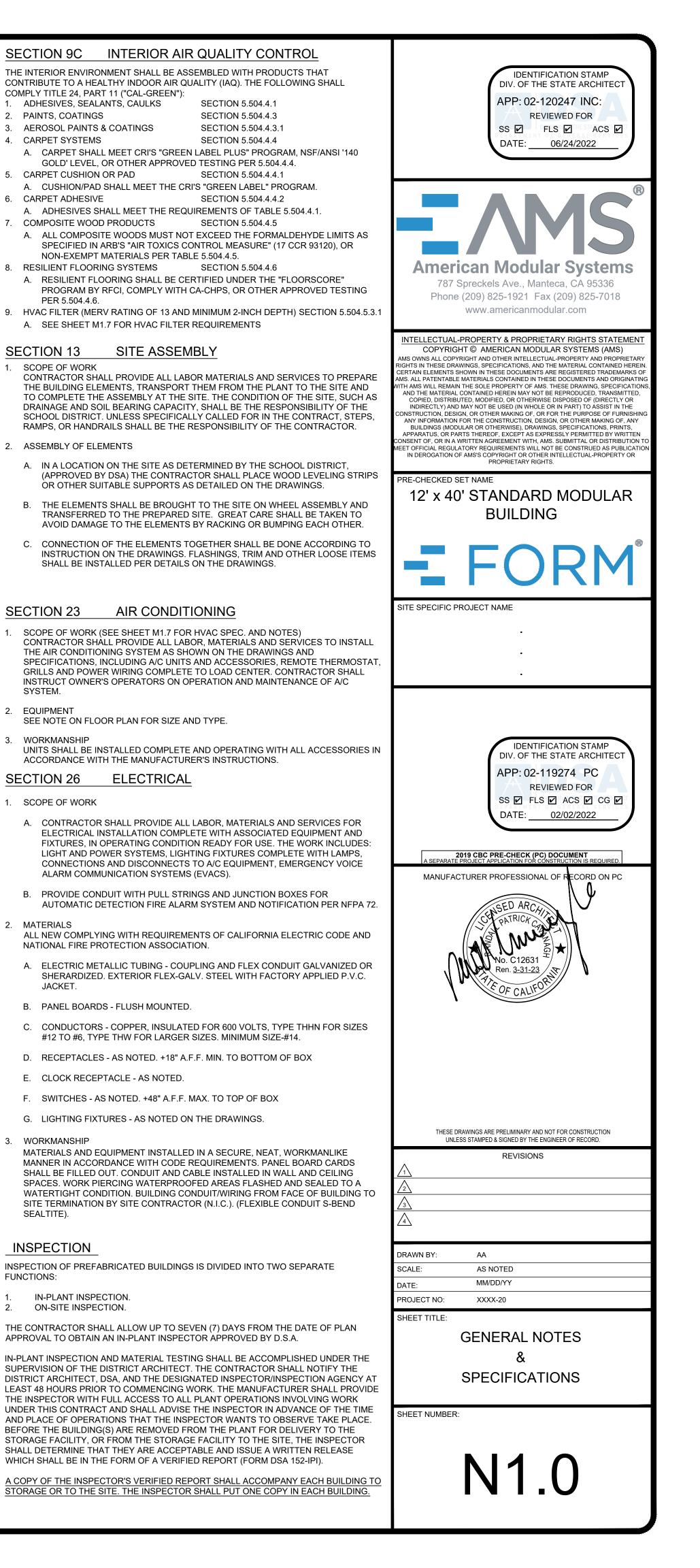
**SECTION 1** 

GENERAL

GENERAL REQUIREMENTS

REINFORCING SHALL CONFORM TO ASTM A615-GRADE 60, UNLESS OTHERWISE NOTED.

CONCRETE continued	CARPENTRY continued	SECTION 8 HOLLOW METAL DOORS AND FRAMES
CONCRETE COVER OVER REINFORCING STEEL SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON DRAWINGS:	P. HOLES FOR BOLTS IN WOOD SHALL BE BORED WITH A BIT OF THE SAME NOMINAL DIAMETER AS THE BOLT + 1/16".	1. SCOPE OF WORK
CONCRETE DIRECTLY AGAINST GROUND (EXCEPT SLABS)	Q. HOLES FOR LAG SCREWS SHALL BE FIRST BORED TO THE SAME NOMINAL	CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
SLABS (ON GROUND)POSITION IN CENTER OF SLAB	DIAMETER AND DEPTH AS THE SHANK. THE REMAINDER OF THE HOLE SHALL BE 40% TO 70% OF THE SHANK DIAMETER.	2. MATERIALS
ALL BARS SHALL HAVE A CLASS B MINIMUM LAP SPLICE PER DETAILS 6 & 9/S1.4 AND SPLICES IN ADJACENT BARS SHALL BE STAGGERED, U.N.O. REINFORCING BARS SHALL NOT BE WELDED UNLESS SPECIFICALLY DETAILED IN THE	R. ALL BOLTS AND LAG SCREWS SHALL BE PROVIDED WITH METAL WASHERS UNDER HEADS AND NUTS WHICH BEAR ON WOOD.	A. DOORS - INSULATED TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY, 18 GA. 1-3/4" THICK PER CS242 MIN, REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
APPROVED DRAWINGS. BARS DETAILED TO BE WELDED SHALL BE ASTM A706 BARS AND WELDING ELECTRODES SHALL BE E80XX. WELDING SHALL CONFORM WITH AWS D1.4-2017 AND SHALL BE CONTINUOUSLY INSPECTED. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 AND SHALL BE LAP SPLICED TWO SQUARES MINIMUM EACH DIRECTION.	<ol> <li>WORKMANSHIP</li> <li>A. FRAMING - SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.</li> </ol>	<ul> <li>B. FRAMES - 16 GA COLD ROLLED, 2" FACES, CS242 MIN. 3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR, EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.</li> </ul>
NOTIFY THE RDPRC PRIOR TO PLACING CONCRETE.	<ul> <li>B. NAILING - IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE, TABLE 2304.10.1.</li> </ul>	3. WORKMANSHIP
CHEMICAL ADMIXTURES SHALL CONFORM TO ASTM C494. AIR-ENTRAINING ADMIXTURE SHALL CONFORM TO ASTM C260. NON-SHRINK GROUT: ASTM C1107, 5000 PSI MIN AT 7 DAYS.	C. EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND	ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP, WAVE, BUCKLE OR OTHER DEFECTS AFTER FABRICATION, DOORS AND FRAMES CLEANED THOROUGHLY, ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.
ECTION 5 STEEL GENERAL - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC 360-16,	OPENINGS. D. NAILS INTO P.T. LUMBER TO BE HOT DIPPED GALVANIZED.	
TITLE 24 OF CALIFORNIA CODE OF REGULATIONS SECTION 2212A.1.2, AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES. A. FABRICATION AND ERECTION SHALL COMPLY WITH AISC 360-16 CHAPTER 'M'	E. MACHINE APPLIED NAILING: USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE RDPRC AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. MACHINE NAILING WILL NOT BE APPROVED IN 5/16" OSB. IF NAILHEADS	(EXTERIOR PORTLAND <u>SECTION 9A</u> STUCCO <u>CEMENT PLASTER</u> ) LATHING AND PLASTERING MATERIALS AND ACCESSORIES SHALL BE MARKED BY THE MANUFACTURER'S DESIGNATION TO INDICATE COMPLIANCE WITH THE APPROPRIATE
AND AISC 341-16 CHAPTER 'I'. WELDING - ALL WELDING SHALL COMPLY WITH REQUIREMENTS OF THE	PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED	STANDARDS REFERENCED IN THIS SECTION AND STORED IN SUCH A MANNER TO PROTECT THEM FROM THE WEATHER, PER C.B.C 2507.1.
"STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY AND WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE	THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY. F. MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HODIZONTAL JOINTS LAPPED MIN STUDIE UNIO DUIL DING SOUTH STUDIES	LATHING AND PLASTERING MATERIALS SHALL CONFORM TO THE STANDARDS LISTED IN C.B.C. TABLE 2507.2 AND CHAPTER 35, AND, WHERE REQUIRED FOR FIRE PROTECTION,
STATE ARCHITECT. WELDING INSPECTION PER TITLE 24, PART 2, CCR, SECTIONS 1705A.2.5. WELDING ELECTRODES, IF UTILIZED, SHALL BE E70XX. ALL WELDS USED IN	HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.	SHALL ALSO CONFORM TO THE PROVISIONS OF CHAPTER 7.
PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LBS AT ZERO DEGREES F AND COMPLYING WITH AWS	G. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.	GYPSUM BOARD AND GYPSUM PLASTER CONSTRUCTION SHALL BE OF THE MATERIALS LISTED IN C.B.C. TABLES 2506.2 AND 2507.2. THESE MATERIALS SHALL BE ASSEMBLED AND INSTALLED IN COMPLIANCE WITH THE APPROPRIATE STANDARDS LISTED IN
D1.8-2016. SECTION 6.1. STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING:	SECTION 7A SHEET METAL (NON-STRUCTURAL)	TABLES 2508.1 AND 2511.1, AND CHAPTER 35 (PER 2508.1).
A. WIDE FLANGE BEAMS SHALL CONFORM TO ASTM A992, GRADE 50, TYP. U.N.O.	1. SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR. MATERIALS AND SERVICES TO INSTALL	WATER-RESISTIVE BARRIERS SHALL BE IN ACCORDANCE WITH C.B.C. SECTION 2510.6. WATER-RESISTIVE BARRIERS SHALL BE INSTALLED AS REQUIRED PER SECTION 1404.2,
B. STRUCTURAL STEEL CHANNELS SHALL CONFORM TO ASTM A36 (36 KSI) TYP. U.N.O. WHERE DRAWINGS SPECIFY 50 KSI, CHANNELS SHALL CONFORM TO ASTM A572, GR. 50. NOTE: ASTM A572, GR. 50 MAY BE SUBSTITUTED FOR ASTM A36 (36 KSI).	INDICATED SHEET METAL. 2. MATERIALS	AND WHERE APPLIED OVER WOOD-BASED SHEATHING, SHALL INCLUDE A WATER-RESISTIVE VAPOR-PERMEABLE BARRIER WITH A PERFORMANCE AT LEAST EQUIVALENT TO TWO LAYERS OF GRADE D PAPER.
C. PIPE COLUMNS SHALL CONFORM TO ASTM A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05% TYP. U.N,O.	A. SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A653 MINIMUM 26 GA.	EXCEPTION: WHERE THE WATER-RESISTIVE BARRIER THAT IS APPLIED OVER WOOD-BASED SHEATHING HAS A WATER RESISTANCE EQUAL TO OR GREATER THAN
D. STRUCTURAL STEEL TUBING (HSS) FOR STEEL MOMENT FRAME COLUMNS PER SHEET S5.0 SHALL CONFORM TO ASTM A1085. ALL OTHER STEEL TUBING (HSS)	UNLESS OTHERWISE NOTED ON THE DRAWINGS.	THAT 60-MINUTE GRADE D PAPER COMPLYING WITH ASTM E 2556, TYPE II AND IS SEPARATED FROM THE STUCCO BY AN INTERVENING, SUBSTANTIALLY NONWATER-ABSORBING LAYER OR DRAINAGE SPACE.
MAY CONFORM TO ASTM A500 GRADE B OR C OR ASTM A1085, TYP UNO. E. STEEL PLATES, ANGLES, BARS AND MISC. SHAPES SHALL CONFORM TO ASTM	B. SOLDER - OF STAND, GRADE "A" OF EQUAL PARTS, ARD BRAND, LEAD AND TIN ASTM B32.	1. PLASTER NOTES: PLASTERING WITH CEMENT PLASTER SHALL NOT BE LESS THAN
A36 (36 KSI) TYP. U.N.O. WHERE DRAWINGS SPECIFY 50 KSI, STEEL SHALL CONFORM TO ASTM A572, GR. 50. NOTE: ASTM A572, GR. 50. MAY BE	C. FLUX - ZINC SATURATED MURIATIC ACID.	THREE COATS WHEN APPLIED OVER METAL LATH OR WIRE FABRIC LATH AND SHALL NOT BE LESS THAN TWO COATS WHEN APPLIED OVER MASONRY CONCRETE OR
SUBSTITUTED FOR ASTM A36 (36 KSI). ERECTION - STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS	D. GUTTERS: 26 GA. G-90 GALV. STEEL DOWNSPOUTS: 2"x3" CONVOLUTED 30 GA. G-90 GALV. STEEL	GYPSUM BACKING AS SPECIFIED IN SECTION 2510.5. A. THE FIRST COAT SHALL BE MIN. 3/8" THICK & APPLIED WITH SUFFICIENT
DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.	GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL GUTTER CLIPS: 18 GA. G-90 GALV. STEEL	MATERIAL AND PRESSURE TO FILL SOLIDLY ALL OPENINGS IN THE LATH. THE SURFACE SHALL BE SCORED HORIZONTALLY SUFFICIENTLY ROUGH TO
NAILS, BOLTS, SCREWS AND NUTS, ETC FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.	FLASHING: 22 GA. G-90 GALV. STEEL U.O.N. E. FASTENERS:	PROVIDE ADEQUATE BOND TO RECEIVE THE SECOND COAT. B. THE SECOND COAT SHALL BE BROUGHT OUT TO MIN. 3/8" THICKNESS, RODDED
A. BOLTS FOR STRUCTURAL STEEL CONNECTIONS SHALL CONFORM TO ASTM A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR BOLTS THRU STEEL TO BE	E. FASTENERS: SELF-DRILLING OR SELF-TAPPING SHEET METAL SCREWS. LENGTH TO HAVE (3) EXPOSED THREADS MIN.	AND FLOATED SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND FOR THE FINISH COAT. THE SECOND COAT SHALL HAVE NO VARIATION GREATER TO THAN 1/4 INCH (6.4 mm) IN ANY DIRECTION UNDER 5-FOOT STRAIGHT EDGE.
DRILLED, OR TORCHED PILOT HOLE AND REAMED TO DIAMETER OF BOLT +1/16" UNLESS OTHERWISE NOTED. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER.	3. WORKMANSHIP	C. THE FINISH COATS SHALL BE MIN. 1/8" THICK & APPLIED OVER BASE COATS THAT HAVE BEEN IN PLACE FOR THE TIME PERIODS SET FORTH IN ASTM C 926.
<ul> <li>B. SEE "FASTENERS FOR ATTACHMENT TO STEEL" ON SHEET N2.0 FOR SHOT PINS &amp; SCREWS.</li> </ul>	SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO	THE THIRD OR FINISH COAT SHALL BE APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO BOND TO AND TO COVER THE BROWN COAT AND SHALL BE
HANDRAILS - FABRICATED, AS DETAILED, NON-FILLET WELDS GROUND SMOOTH.	THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL	OF SUFFICIENT THICKNESS TO CONCEAL THE BROWN COAT.
SHOP PAINT A. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.	BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.	
B. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.	SECTION 7B METAL ROOFING	
TESTS A. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER TITLE-24 PART	1. SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL	SECTION 9B PAINTS & COATINGS
2, CCR SECTION 1705A.2 & 2202A.	METAL ROOFING. 2. MATERIALS	SECTION 9B PAINTS & COATINGS 1. SCOPE OF WORK.
	A. ROOF SHALL BE CONSTRUCTED OF 3" STANDING SEAM INTERLOCKING (UN-PENETRATED) STEEL SHEETS.	CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED
	B. PROPERTIES INCLUDING THICKNESS SHALL BE PER SHEET S0.0.	EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.
ECTION 6 CARPENTRY SCOPE OF WORK	C. BASE MATERIAL SHALL BE EITHER ASTM A1011 SS, GRADE 36 (Fy = 36 KSI) OR ASTM A653 SS, GRADE 37 (Fy = 37 KSI) AND SHALL BE GALVANIZED WITH G90 GALVANIZATION.	2. MATERIALS A. FOR EXTERIOR WOOD: REF.BRAND DUNN KELLY SHERWIN SINCLAIR
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.	D. SHEETS MAY BE PAINTED.	EDWARDS MOORE WILLIAMS PRIMER 42-9M 1240 Y24W20 289-N
MATERIALS LUMBER GRADE MARKED IN ACCORDANCE WITH AN APPROVED GRADING AGENCY	E. CLASS B FIRE RATED. F. CLIP ANGLES SHALL BE HOT-DIPPED GALVANIZED.	FINISH QD-60-XX 1240-XXX B54WZ102 GE2-NXX
PER DOC PS20-05 INCLUDING "STANDARD GRADING AND DRESSING RULES NO. 17" OF WEST COAST LUMBER INSPECTION BUREAU, OR "WESTERN LUMBER GRADING	G. FASTENERS SHALL BE EXTERIOR USE SCREWS WITH A CORROSION PROTECTIVE COATING PER THE "FASTENERS FOR ATTACHMENT TO STEEL" SECTION ON	B. FOR INTERIOR TRIM: <i>REF.BRAND</i> DUNN KELLY SHERWIN SINCLAIR EDWARDS MOORE WILLIAMS
RULES", LATEST EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION. OSB OR PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-09, PS	SHEET N2.0. ALL SCREWS USED FOR METAL ROOFING ATTACHMENT SHALL HAVE A NEOPRENE OR EPDM WASHER.	FINISH W450-XX 1650-XXX A26W11 40XX
2-10, OR PRP-108 FOR SOFTWOOD OSB OR PLYWOOD, OF THE AMERICAN PLYWOOD ASSOCIATION (APA). EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO. MOISTURE CONTENT SHALL NOT EXCEED 19%.	SECTION 7C SEALANT 1. SCOPE OF WORK	C. FOR METAL: REF.BRAND DUNN KELLY SHERWIN SINCLAIR
A. JOISTS, HEADERS, PLATES, STUDS: DOUGLAS FIR S4S #2 OR HEM FIR	CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.	EDWARDSMOOREWILLIAMSPRIMER43-41710B50NZ615NFINISH10-XX1700-XXXB54WZ102GE2-NXX
S4S #2 MINIMUM, U.N.O. NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR	2. MATERIALS	D. INTERIOR PAINT & COATINGS SHALL COMPLY WITH TITLE 24, PART 11,
<ul> <li>FLOOR AND ROOF MEMBERS.</li> <li>B. PSL HEADERS: TRUS JOIST PARALLAM PSL BY WEYERHAEUSER (ICC ESR-1387) OR EQUIV. MEETING THE FOLLOWING STRUCTURAL PROPERTIES:</li> </ul>	VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.	"CAL-GREEN" SECTION 5.504.4.3, AND V.O.C. LIMITS PER TABLE 5.504.4.3.
BEAMS $\leq$ 7" DEEP & COLUMNSBEAMS $\geq$ 9¼" DEEP	A. SEALANT V.O.C. LIMITS PER SCAQMD RULE 1168 (AS SHOWN IN TITLE 24,	3. WORKMANSHIP ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS AND METAL ROOFING. MATERIAL SHALL BE OF THE GRADE SPECIFIED
F <sub>b</sub> = 2400 PSI MIN.         F <sub>b</sub> = 2900 PSI MIN.           F <sub>y</sub> = 190 PSI MIN.         F <sub>y</sub> = 290 PSI MIN.	PART 11, TABLE 5.504.4.1 AND TABLE 5.504.4.2)	OR EQUAL.
E = 1.8E6 PSI MIN.         E = 2.0E6 PSI MIN.	3. WORKMANSHIP SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE WITH	A. EXTERIOR WOOD SIDING, TRIM AND SKIRTING - FLAT OR SEMI-GLOSS LATEX. APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES
<ul><li>C. POSTS AND TIMBERS: DOUGLAS FIR S4S #1 OR HEM FIR S4S #1 MIN.</li><li>D. BLOCKING: DOUG FIR #3, OR HEM FIR #3, OR STD. &amp; BET.</li></ul>	MANUFACTURER'S SPECIFICATIONS.	IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL
E. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH: DOUG FIR #2 OR HEM FIR #2 MIN. PRESSURE	SECTION 7D SINGLE-PLY ROOFING	HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE
TREATED IN ACCORDANCE WITH CBC 2304.12.1. EACH PIECE SHALL BEAR AWPA STAMP. AWPA STANDARD U1 & T1 GROUND CONTACT, D.F. (OR H.F.) #2 ABOVE GROUND.	CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO INSTALL SINGLY-PLY OR BUILT-UP ROOFING. THE ROOFING SYSTEM SHALL WITHSTAND	COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
<ul> <li>F. MOISTURE BARRIER: KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, CBC SECTION 1403.2. &amp; ASTM D226, TYPE I.</li> </ul>	THE UPLIFT OF 100 MPH BASIC WIND SPEED. 2. MATERIALS	B. INTERIOR TRIM - TRIM NOT PRE-COATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
G. STUDS - S4S DOUG FIR #2 OR #2 HEM FIR. MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION.	2. <u>MATERIALS</u> MEMBRANE: PVC FILM LAMINATED TO BOTH SIDES OF A REINFORCEMENT FABRIC, OR EQUIV PROPRIETARY THERMOPLASTIC PVC FORMULATION OF RESINS,	C. INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER
H. FASTENERS - EXTERIOR USE FASTENERS EXPOSED TO THE OUTSIDE ENVIRONMENT (INCLUDING FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS) SHALL BE CORROSION RESISTANT IN	PLASTICIZERS, STABILIZERS, BIOCIDES, FLAME RETARDANTS, AND U.V. ABSORBENTS. CLASS B FIRE RATING.	GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
EXTERIOR WALL COVERINGS) SHALL BE CORROSION RESISTANT IN ACCORDANCE WITH C.B.C. SECTION 2304.10.1.1. I. BUILDING TRIM - 2x RESAWN SELECT D.F., H.F., OR CEDAR.	<ul><li>A. WOOD NAILERS MUST BE A #2 GRADE LUMBER, OR EQUIVALENT, TO SUBSTRATE.</li><li>3. WORKMANSHIP</li></ul>	D. METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
<ul><li>J. DOOR/WINDOW TRIM - 1x4 RESAWN D.F., H.F., OR CEDAR.</li><li>K. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.</li></ul>	MEMBRANE APPLIED ON SUBSTRATES THAT ARE DRY, CLEAN, AND FREE OF FINS, SHARP EDGES AND LOOSE, FOREIGN MATERIALS, WHEREVER INDICATED ON	E. RAMP - ONE COAT OF FERROX NON-SLIP (0.8 MIN. C.O.F.) SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL
<ul> <li>L. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 718.2</li> <li>M. ALL NAILS SHALL BE COMMON NAILS PER ASTM F1667 UNLESS OTHERWISE</li> </ul>	DETAILS. AN INSULATION OR SLIP SHEET HAVING AN APPROVED FACER MUST BE USED WHEN ROOFING OVER ASPHALT OR COAL TAR ROOFS.	PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST, OR EQUAL.
NOTED. N. ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".	4. <u>TESTING:</u> A. MEMBRANE SHALL BE DESIGNED TO PERFORM IN ALL TYPES OF WEATHER AND	F. SUBMIT ONE SET OF COLOR SAMPLES TO THE RDPRC FOR EACH PRODUCT TO ASSIST IN SELECTION.
<ul> <li>O. ALL BOLTS AND LAG SCREWS SHALL COMPLY WITH THE 2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (ANSI/AWC NDS-2018).</li> </ul>	SHALL COMPLY TO ASTM D-2136 TESTING METHODS. B. MEMBRANE SHALL BE DESIGNED IN ACCORDANCE TO ASTM D-4434 "STANDARD	
	SPECIFICATIONS FOR POLY (VINYL CHLORIDE) SHEET ROOFING" AND BE CLASSIFIED AS A TYPE IV, INTERNALLY REINFORCED SHEET.	



×	100000	Mit belan	A RECEIPTION OF	<b>Chickey</b>	Intel Manager, Social & Lines	
		MINIMUM			TARGET AIR CONTENT	1 (%)
BELOW GRADE CONCRETE ELEMENT	MAXIMUNI 28-DAY W/C RATIO STRENGTH ( (PSI)	STRENGTH (F.)	CEMENTITIOUS MATERIALS (CEMENT TYPE PER ASTM C150)	MAX AGGREGATE SIZE (IN)	×	-5
FOUNDATIONS <sup>PI</sup>	0.45	4500	v	1" ± %"	N/A	
FOUNDATION VENTS				3/8-	N/A	
& ACCESS WELLS	0.45	4500	v	1/2*	N/A	
WITHOUT THE				1" ± %"	N/A	

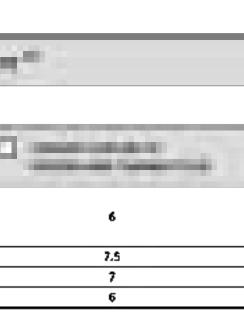
<sup>(II)</sup> PROPORTIONING OF CONCRETE MIXTURES SHALL BE IN ACCORDANCE WITH ACI 318-14, SECTION 26.4.3. DOCUMENTATION OF CONCRETE MIXTURE CHARACTERISTICS SHALL BE IN ACCORDANCE WITH ACI 319-14, SECTION 26.4.4.

CEMENT SHALL BE CERTIFIED PER TITLE 24, PART 2, SECTION 1910A-1. SEE CONCRETE NOTES ON SHEET N1.0 FOR ADDITIONAL REQUIREMENTS.

<sup>42</sup> FOUNDATIONS CONSERVATIVELY DESIGNED FOR A MIMINUM 28-DAY CONCRETE STRENGTH OF 3,500 PSI.

SHEET NOTES:

- 1. 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 4.5.1 OR PC-6 SECTION 4.4.1.
- 2. THE DEFAULT CONCRETE MIX DESIGN REQUIREMENTS MAY BE SELECTED REGARDLESS OF WHETHER A SITE SPECIFIC GEOTECHNICAL REPORT EXISTS FOR THE SITE.
- 3. 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.
- 4. IF THE OPTIONAL SITE-SPECIFIC CONCRETE MIX DESIGN REQUIREMENTS ARE UTILIZED, THE REPORT MUST BE REFERENCED ON THE COVER SHEET OF THIS DRAWING PACKAGE.



DPTOTALL STREAMORE CONSISTING STREAM AND AND AND ADDRESS ADDRES ADDRESS ADDRESS ADD										
BELOW GRADE CONCRETE ELEMENT	MAXIMUM W/C BATID	MINIMANA 23-DAY STRENGTH {P,) (PSI)	CEMENTITIOUS MATERIALS (CEMENT TYPE PER ASTM CL50)	MAX AGGREGATE SIZE (IN)	TARGET AIR CONTENT (%)	MAXIMUM WATER-SOLUBLE CHLORIDE ION (C) CONTENT IN CONCRETE, PERCENT BY WEIGHT OF CEMENT				
FOUNDATIONS <sup>(9)</sup>				1" ± %"						
FOUNDATION VENTS				3/8° 1/2°		_				
	WOOLTE MANTHE	S SHALL BE IN ACCORDANCE WITH A		1" ± %"						

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 NLO FOR ADDITIONAL REQUIREMENTS.

<sup>(2)</sup> FOUNDATIONS HAVE BEEN DESIGNED FOR THE WORST CASE MIMINUM 28-DAY CONCRETE STRENGTH OF 3,500 PSI.

	OSURE	CONDITION	MAJOMUMA		ay strength ((,') PSI)	AIR CONTENT	
đ	52 <sup>(1)</sup>		W/C IATIO	FOUNDATIONS	FOUNDATION VENTS	MAX AGGREGATE TARGE SIZE (IN) <sup>(3)</sup> CONTEN	
2	FO	CONCRETE NOT EXPOSED TO FREEZING-AND-TNAWING CYCLES	0.55	3500	300C	N/	Ά
ŝ	f1	CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES WITH LIMITED EXPOSURE TO WATER	0.55	3500	3500	3/6 1/2 3/4 1 1%	6 5.5 5 4.5 4.5
2	F2	CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES WITH FREQUENT EXPOSURE TO WATER	0.45	4500	4500	3/8 1/2	7 <u>-</u> 5 7
ŝ	ß	CONCRETE EXPOSED TO FREEZING AND THAWING CYCLES WITH FREQUENT EXPOSURE TO WATER AND EXPOSURE TO DEICING CHEMICALS	0.40	5000	5000	3/4 1 1)%	6 6 5.5

<sup>19</sup>SEE CONCRETE NOTES ON SHEET N1.0 FOR MAX AGGREGATE SIZES.

	And and a state of the set											
		COND	ITION			AY STRENGTH (£') SI)						
	OSURE ASS <sup>14</sup>	WATER-SOLUBLE SULFATE (SO, <sup>31</sup> ) IN SOIL, PERCENT BY MASS <sup>(3)</sup>	DISSOLVED SULFATE (SQ <sub>4</sub> <sup>3</sup> ) IN WATER, PPM <sup>(3)</sup>	MAAMUM W/CRATIQ	FOUNDATIONS	POUNDATION VENTS & ACCESS WELLS	CEMENTITIOUS MATERIALS (CEMENT TYPE PER ASTM (150)					
Ū.	<b>SO</b>	50 <sup>,7-</sup> < 0.10	50, <sup>7-</sup> < 150	0.55	3500	3000	I OR II					
CI.	51	0.10 \$ \$0, <sup>2</sup> ' < 0.20	0.10 \$ \$04 <sup>2</sup> < 0.20 OR SEAWATER		4000	4000	п					
	52	$0.20 \le 50_a^{2^2} \le 2.00$ $1500 \le 50_a^{2^2} \le 10,000$		0.45	4500	4500	v					
	53 50, <sup>2</sup> > 2.00		50 <sub>4</sub> <sup>2</sup> > 10,000	0.45	4500	4500	V PLUS FLYASH OR SLAG CEMENT <sup>#0</sup>					

(1) IF EXPOSURE CLASS IS UNKNOWN, SZ MAY BE ASSUMED.

<sup>(2)</sup> PERCENT SULFATE BY MASS IN SOIL SHALL BE DETERMINED BY ASTM C1580.

<sup>19</sup> CONCENTRATION OF DISSOLVED SULFATES IN WATER, IN PPM, SHALL BE DETERMINED BY ASTM D516 OR ASTM D4130.

49 PER ACI 318-14, TABLE 19.3.2.1, FOOTNOTE 6, THE AMOUNT OF THE SPECIFIC SOURCE 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 TYPEV 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 ASTMICLO12 AND MEETING THE ORITERIA IN ACI 318-14, SECTION 26.4.2.2(c). SEE CONCRETE NOTES ON SHEET N1.0 FOR ADOITIONAL REQUIREMENTS.

	1 Destination of the second s									
60	POSURE	CO115 1001	MAXIMUM	MINIMUM 28-DAY STRENGTH (F, ') MAXIMUM (PSI)						
	CLASS	CONDITION	W/C RATIO	FOUNDATIONS	FOUNDATION VENTS & ACCESS WELLS	ADDITIONAL REQUIREMENTS				
a	wo	CONCRETE DRY IN SERVICE OR CONCRETE IN CONTACT WITH WATER AND LOW PERMEABILITY IS NOT REQUIRED	0.55	3500	3000	NONE				
2	W1 <sup>(0)</sup>	CONCRETE IN CONTACT WITH WATER AND LOW PERMEABILITY IS REQUIRED	0.50	4000	4090	NONE				

<sup>117</sup> EXPOSURE CLASS W1 IS ONLY REQUIRED IF CONCRETE IS BELOW THE GROUNDWATER TABLE.

EXPO	OSURE		MAXIMUM		AY STRENGTH ((,') ISI)	MAXIMUM WATER-SOLUBLE CHLORIDE KON (CT)	
CLASS		CONDITION	W/C RATIO	FOUNDATIONS	FOUNDATION VENTS	-CONTENT IN CONCRETE, PERCENT BY WEIGHT OF CEMENT	
a a 2		CONCRETE EXPOSED TO MOISTURE BUT NOT TO AN EXTERNAL SOURCE OF CHLORIDES	0.55	3500	300C	0.30	
		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	

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COPVRIGHT © AMERICAN MODULAR SYSTEMS (AMS) MB OWN BLAICONTROLVING INTERCICATION AND THE MATERIAL CONTRACTOR SUBJECT OF AND AND AND THE USED INTERCICATION AND THE MATERIAL CONTRACTOR SUBJECT OF AND AND AND THE USED IN MATTRIES DECONCINANTS OF HERE SUBJECT OF AND AND AND THE USED IN MATTRIES DECONCINANTS OF HERE SUBJECT OF AND AND AND THE USED IN MATTRIES DECONCINANTS OF HERE SUBJECT OF AND AND AND THE USED IN MATTRIES DECONCINANTS OF HERE SUBJECT OF AND AND AND THE USED IN MATTRIES DECONCINANTS OF HERE SUBJECT OF AND AND AND THE USED IN MATTRIES DECONCINANTS OF HERE SUBJECT OF AND AND AND THE USED IN MATHRIES DECONCINANTS OF HERE SUBJECT OF AND AND AND THE USED IN MATHRIES DECONCINANTS OF HERE SUBJECT OF AND AND AND AND THE USED IN MATHRIES DECONCINANTS OF HERE SUBJECT OF AND AND AND AND THE USED IN MATHRIES DECONCINANTS OF HERE SUBJECT OF AND AND AND AND AND THE USED IN MATHRIES DECONCINANTS OF HERE SUBJECT OF AND	787 Spreckels Ave., Manteca, CA 953 Phone (209) 825-1921 Fax (209) 825-7	36
12' X 40' STANDARD MODULAR BUILDING	COPYRIGHT © AMERICAN MODULAR SYSTEMS ( AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CON- CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AN WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, S AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TI COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIF INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASS CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAK BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATION APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR D MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED. IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PRO	AMS) PROPRIETAR FAINED HEREI ADEMARKS C ID ORIGINATIN SPECIFICATION RANSMITTED, RECTLY OR SIST IN THE OF FURNISHIN (ING OF, ANY S, PRINTS, D BY WRITTEN ISTRIBUTION AS PUBLICATIO
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BELOW GRADE CONCRETE MIX DESIGN REQUIREMENTS	DATE: MM/DD/YY PROJECT NO: XXXX-20	
SHEET NUMBER:	BELOW GRADE CONCRETE	
	SHEET NUMBER:	
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#### 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 CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

#### MATERIALS AND WORKMANSHIP

- 1. 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.
- 2. ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE RDPRC THAT SUCH IS THE CASE.
- 3. 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.
- 4. 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

- 1. ONE (1) MODULE, APPROXIMATELY 12' x 40', DESIGNED TO STAND ALONE OR COMBINED WITH TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF, AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.
- 2. EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH (2) IMPRINTED (STAMPED, NOT ENGRAVED) METAL IDENTIFICATION TAGS 3"x1-1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:
- A. MANUFACTURER'S NAME AND BUILDING SERIAL NUMBER.
- B. DESIGN WIND SPEED / EXPOSURE
- C. DESIGN SEISMIC S<sub>DS</sub> VALUE D. DESIGN ROOF LIVE LOAD
- E. DESIGN FLOOR LIVE LOAD
- F. D.S.A. APPLICATION NUMBER
- 3. 2-TAGS PER MODULE: ONE ON EXTERIOR, AND ONE ON MODULE BEAM AT FRONT OF BUILDING ABOVE CEILING.
- 4. 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.
- 5. 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 LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE RDPRC, 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 45lbs./cu.ft. THE PANEL SHALL HAVE A FOIL BACKING. THE PANELS SHALL HAVE EXTRUDED ALUMINUM MOLDING AND CHALKRAIL WITH A MINIMUM OF 2 15/16" PROJECTION FROM THE FACE OF PANEL. THREE MAP HOOKS WITH CLIPS 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 8/A4.0.

REFERENCE BRANDS: CHATFIELD-CLARKE Co, Inc. SERIES 500 OR NELSON ADAMS Co. NACO SERIES 60.

#### 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 B 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 RDPRC 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 8 OZ. PER SQUARE YARD. THE COATING BACKING SHALL BE SHEETING OR NON-WOVEN FABRIC. THE VINYL COATING SHAL 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 #6 BELOW. THE PANEL SHALL BE APPROVED FOR CLASSROOM USE 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.
- 4. CEILING: SUSPENDED T-BAR SYSTEM, SEE SHEET M1.4 FOR DETAILS, MATERIALS AND INSTALLATION PER ASTM C635, ASTM C636, ASTM E580, AND DSA-IR 25-2.13 AS APPLICABLE TO CLASSROOMS. PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN 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.
- 5. 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")
- 6. FLAME SPREAD/SMOKE-DEVELOPED INDEX (TESTED IN ACCORDANCE WITH ASTM 84 OR UL 723, PER CBC 803.1.1):

WALL FINISH MATERIAL (CLASS 'C')
FLAME SPREAD MAX = 200
SMOKE DEVELOPED MAX = 450

BUILDING INSULATION (CLASS 'A') FLAME SPREAD MAX = 25 SMOKE DEVELOPED MAX = 450

DUCT INSULATION (CLASS 'A') FLAME SPREAD MAX = 25 SMOKE DEVELOPED MAX = 50

PIPE INSULATION (CLASS 'A')

SMOKE DEVELOPED MAX = 450

FLAME SPREAD MAX = 25

- 7. 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)
- 8. 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 1202.2.2.

#### **DOORS & WINDOWS**

- EXTERIOR DOORS: METAL DOORS 3'-0"x7'-0" HOLLOW METAL DOOR CONSTRUCTION OF 1 SHEET OF 18 GA. GRADE II STEEL ASSEMBLED PER CS242 MINIMUM, AND REINFORCED WITH 20 GA. MINIMUM. FILL DOOR SPACES WITH MINERAL WOOL OR OTHER INSULATION. (REINFORCE BOTH FACES FOR CLOSURE.) PROVIDE FLUSH TOP ON DOORS. HARDWARE REINFORCEMENT SHALL BE 10 GA. MIN FOR HINGES, DOOR FRAME SHALL BE 16 GA. PRESSED STEEL FRAME ASTM A366 & C5242. HARDWARE REINFORCEMENT SHALL BE 10 GA. PLATE. FRAMES SHALL BE DESIGNED WITH INTEGRAL STOP AND TRIM. PROVIDE (3) ANCHORS PER JAMB 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 1010.1.11).
- 2. EXTERIOR WINDOWS: PROVIDE ANODIZED ALUMINUM FRAME 5/8" MINIMUM DUAL PANE WINDOW UNITS, AS SHOWN ON FLOOR PLANS. THE 5/8" DIMENSION IS THE MINIMUM THICKNESS FOR THE DUAL GLAZED WINDOW PANEL CONSISTING OF TWO LITES OF GLASS AND THE AIR SPACE.
- 3. GLAZING MATERIAL SHALL BE: EXTERIOR LITE 3/16" MINIMUM TEMPERED GLASS OR LAMINATED AS - 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGH 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.
- 4. HEADER HEIGHT SHALL BE THE SAME AS THE DOOR. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREENS. WINDOWS SHALL NOT BE MOUNTED TO THE EXTERIOR OSB SURFACE. ALL WINDOWS SHALL MEET THE AAMA GS101-88 VOLUNTARY SPEC. FOR ALUMINUM PRIME WINDOWS AND SLIDING GLASS (ANS1), COMMERCIAL GRADE
- 5. WINDOWS TO MATCH WHAT IS REQUIRED BY ENERGY REPORT. IF WINDOWS MUST BE NFRC RATED THAN NFRC LABELS SHALL BE LEFT ON THE WINDOWS FOR THE INSPECTOR TO VERIFY.

#### MECHANICAL EQUIPMENT PROTECTION

 ALL MECHANICAL EQUIPMENT SHALL BE THOROUGLY 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

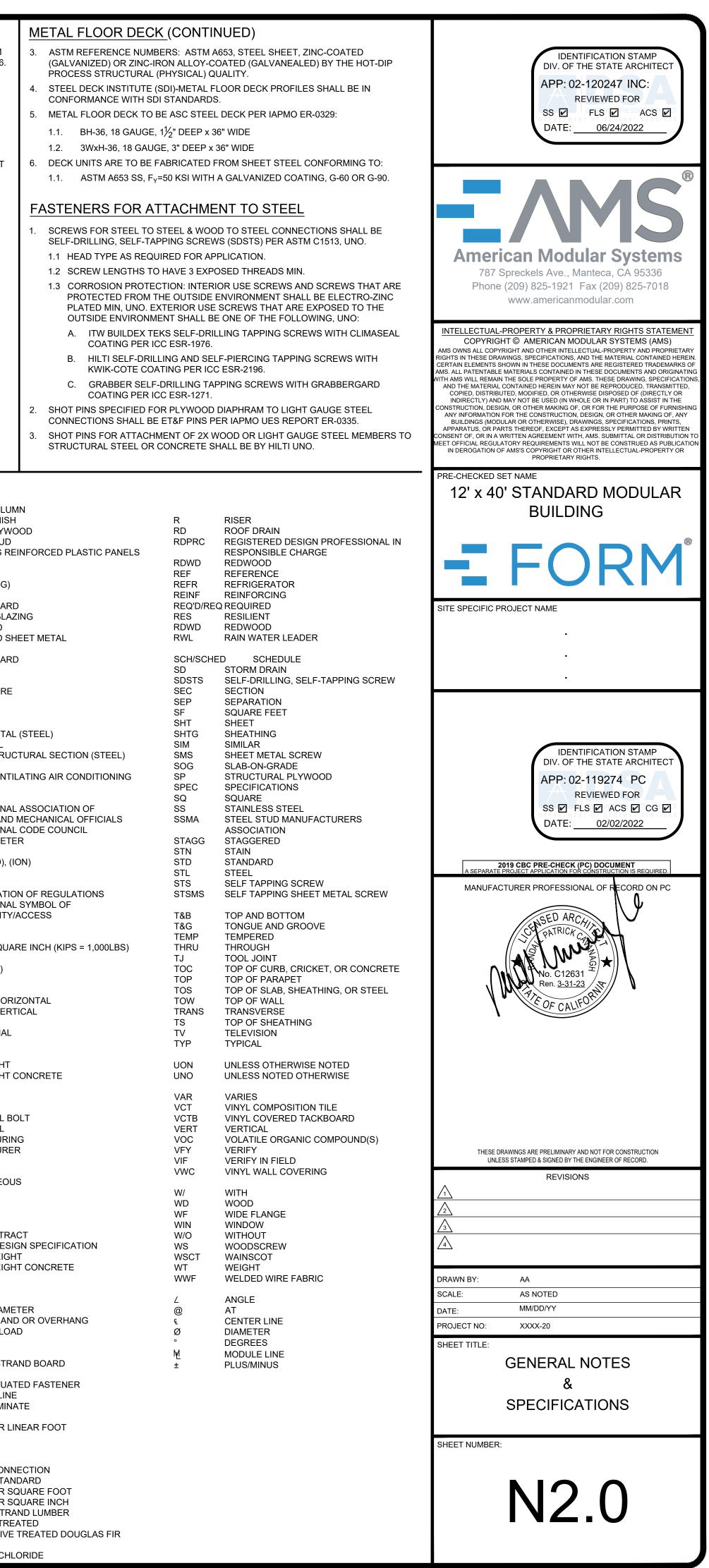
#### FOUNDATION CLEARANCES FROM SLOPES

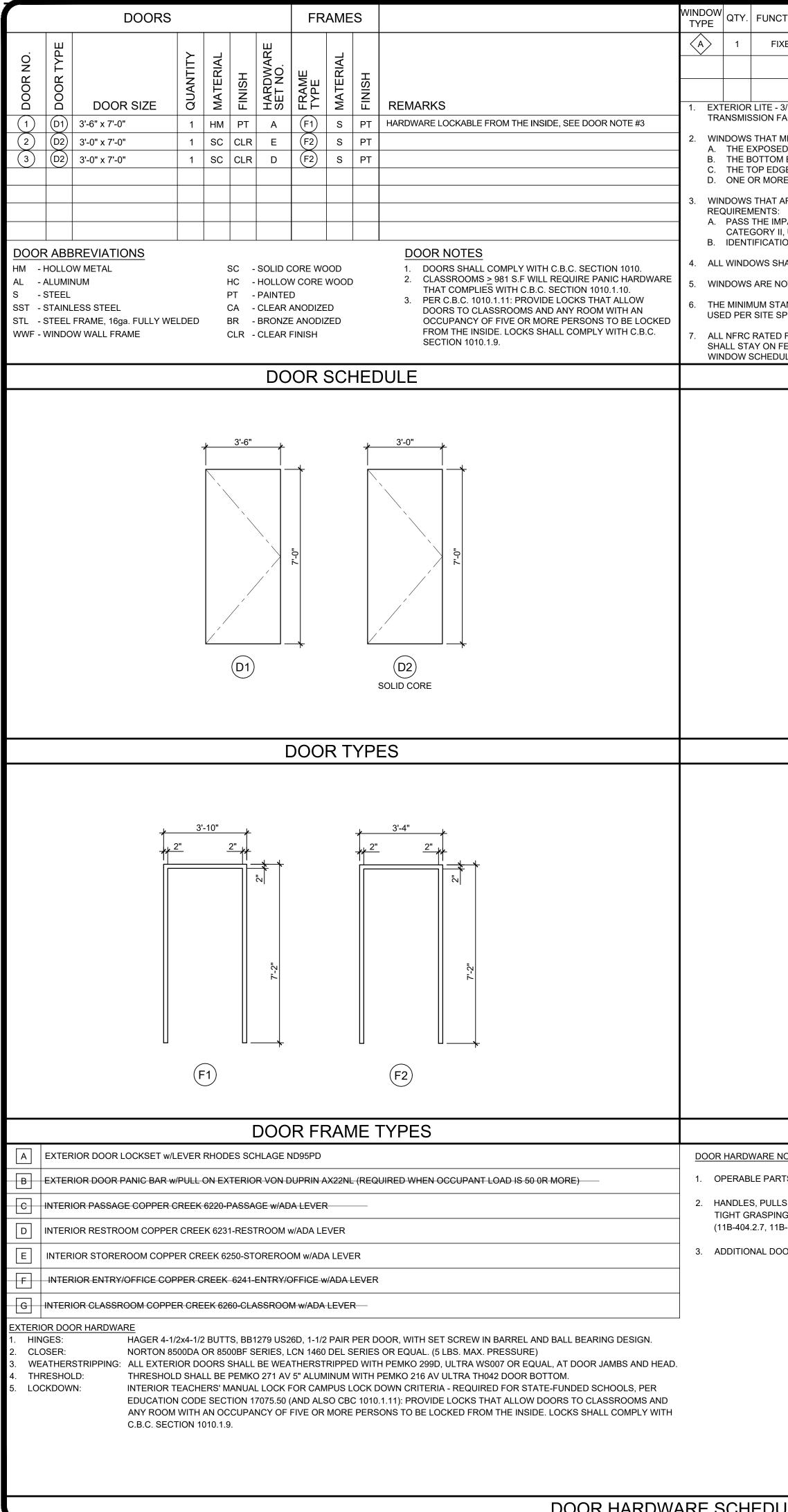
CBC 1808A.7.1 BUILDING CLEARANCE FROM ASCENDING SLOPES. IN GENERAL, BUILDINGS BELOW SLOPES SHALL BE SET A SUFFICIENT DISTANCE FROM THE SLOPE TO PROVIDE PROTECTION FROM SLOPE DRAINAGE, EROSION AND SHALLOW FAILURES. EXCEPT AS PROVIDED IN SECTION CBC 1808A.7.5 AND FIGURE CBC 1808A.7.1, THE FOLLOWING CRITERIA 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 FORM 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 TOP 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.

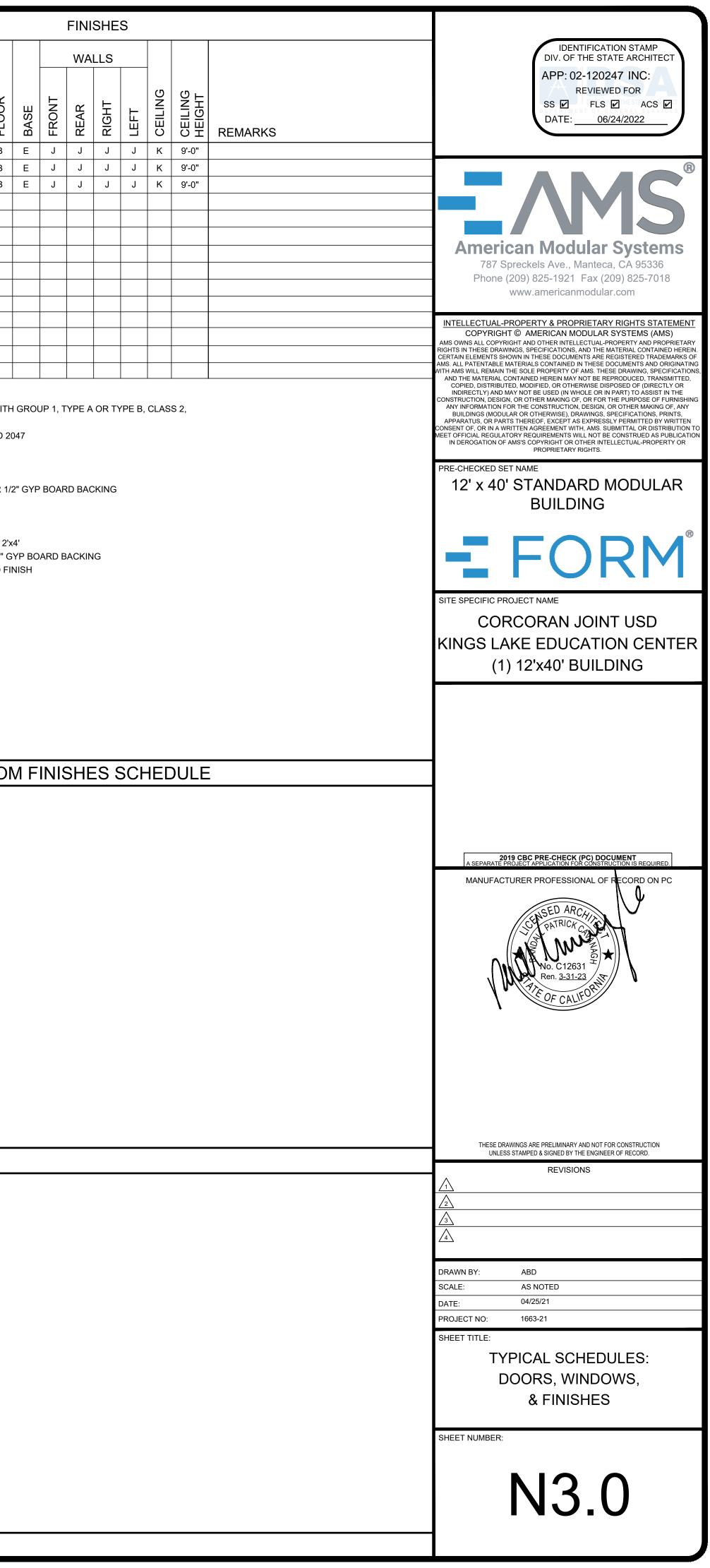
FOUNDATIONS ON OR ADJACENT TO SLOPE SURFACES SHALL BE FOUNDED IN FIRM MATERIAL WITH AN EMBEDMENT AND SET BACK FROM THE SLOPE SURFACE SUFFICIENT TO PROVIDE VERTICAL AND LATERAL SUPPORT FOR THE FOUNDATION WITHOUT DETRIMENTAL SETTLEMENT. EXCEPT AS PROVIDED FOR IN SECTION CBC 1808A.7.5 AND FIGURE CBC 1808A.7.1, 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 TOP OF THE SLOPE

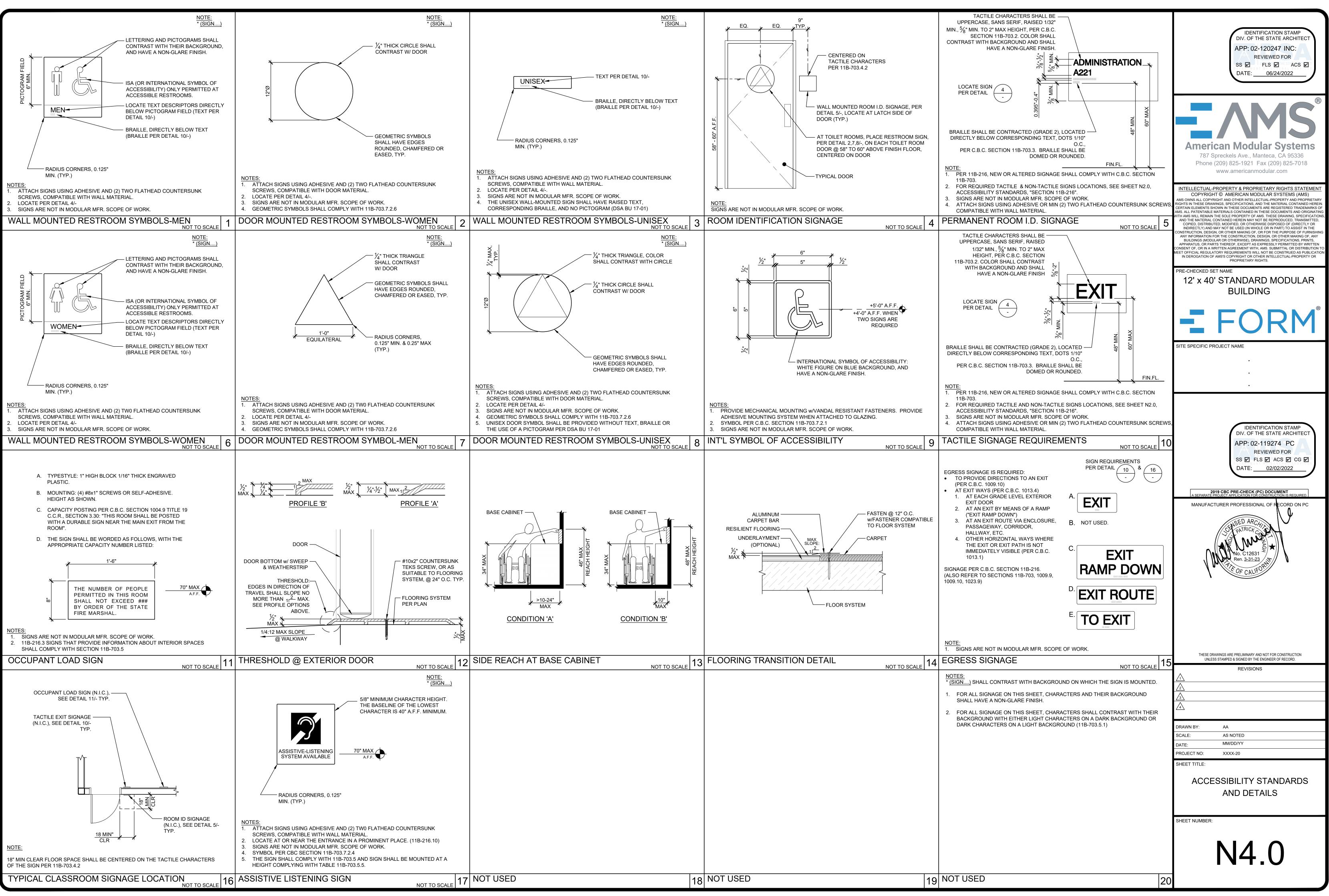
	FIRE EXTINGUISHER	LIGHT (	GAUGE METAL STUDS & COLD FOR	MED STI	EEL
	1. EACH CLASSROOM SHALL BE EQUIPPED WITH PRESSURE TYPE FIRE EXTINGUISHERS WITH 2A10BC UL RATING. MOUNT ON THE INTERIOR WALL OF THE		GHT GAUGE METAL STUDS & COLD FORMED STEEL S THAT CORRESPONDS TO THE MINIMUM REQUIREM		
S BE	BUILDING NEAR THE DOORWAY(S) 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		ALVANIZED STUDS, JOISTS, TRACK, BRIDGING AND A ED FROM STEEL HAVING A GALVANIZED COATING MI		
, ,	INDICATING THE STATE OF CHARGE.		REMENTS OF ASTM A653. DM FORMED SHAPES SHALL BE BENT FROM ASTM A <sup>2</sup>	1011 SS STE	EL SHEETS.
	ACCESSIBILITY STANDARDS		AND TRACK DESIGNATIONS ARE BASED ON STEEL S CIATION. ICC-ES EVALUATION REPORT ESR-3064P.	TUD MANUF	ACTURERS
	REFERENCE: 2019 CALIFORNIA BUILDING CODE (TITLE 24, PART 2, CCR), CHAPTER 11B		NIZED FRAMING PRODUCTS SHALL BE COATED IN A 5, SECTION A4. PRODUCTS WILL BE FURNISHED WIT		
	"ACCESSIBILITY TO PUBLIC"	COATI	NG IF SPECIFIED, AND SHALL BE IN CONFORMANCE RWISE, G-90 OR EQUIVALENT COATING WILL BE PRO	WITH ASTM	
Y	SECTION 11B-206.2 BUILDING ACCESSIBILITY, GENERAL 1. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ALL BUILDINGS, ELEMENTS,	6. WELDI	NG OF LIGHT GAUGE METAL STUDS & COLD FORME	) STEEL SH/	ALL.
	AND AREAS, AND EACH FLOOR INCLUDING MEZZANINES.	COMPL	Y WITH AWS D1.3-08.		
	<u>SECTION 11B-216 SIGNAGE</u> (ALSO REFER TO SECTIONS 11B-703, 1009.9, 1009.10, 1023.9) SIGNAGE IS REQUIRED:		OLD-ROLLED MEMBERS FABRICATED BY AMS SHALL IS WITH THE FOLLOWING MIN. SPECIFICATIONS UNL		
	<ol> <li>TO IDENTIFY PERMANENT ROOMS &amp; SPACES</li> <li>TO PROVIDE DIRECTIONS AND INFORMATION ABOUT SPACES &amp; FACILITIES</li> </ol>	<u>G</u> A	IE DRAWINGS. MATERIAL DESIGN THICKNESS	MIN. THIC	KNESS
L	<ol> <li>TO IDENTIFY MEANS OF EGRESS</li> <li>A. AREAS OF REFUGE AND AREA FOR ASSISTED RESCUE (PER 1009.9 AND</li> </ol>	20 18	A1011 SS Gr. 360.0346"A1011 SS Gr. 360.0451"	0.032 0.042	28"
	1009.11) B. DIRECTIONS TO AN EXIT (PER 1009.10) C. DELAYED EGRESS LOCKS (PER 1010.1.9.7 ITEM 6)	16 14	A1011 SS Gr. 50       0.0566"         A1011 SS Gr. 45       0.0713"	0.053 0.067	7"
5	<ul> <li>D. EXIT WAYS (PER 1013.4)</li> <li>AT EACH GRADE LEVEL EXTERIOR EXIT DOOR</li> </ul>	12 10	A1011 SS Gr. 450.1017"A1011 SS Gr. 500.1345"	0.096 0.127	
	<ul> <li>AT AN EXIT BY MEANS OF A STAIRWAY OR RAMP ("EXIT STAIR DOWN" OR "EXIT RAMP DOWN")</li> <li>AT AN EXIT ROUTE VIA ENCLOSURE, PASSAGEWAY, CORRIDOR,</li> </ul>	METAL	FLOOR DECK		
	<ul> <li>AT AN EXIT ROOTE VIA ENGLOCIONE, FACCACEWAT, CONNECT, HALLWAY, ETC.</li> <li>OTHER HORIZONTAL WAYS WHERE THE EXIT OR EXIT PATH IS NOT</li> </ul>	"SPEC	ON PROPERTIES SHALL BE DERIVED IN ACCORDANC IFICATION FOR DESIGN OF COLD-FORMED STEEL ST		,
6	IMMEDIATELY VISIBLE (PER 1013.1) 4. TO IDENTIFY ACCESSIBLE PARKING SPACES	2. METAL	T EDITION." DECKING IS TO BE ATTACHED TO THE STRUCTURA		
	<ol> <li>TO IDENTIFY ENTRANCES OR ROUTE TO AN ACCESSIBLE ENTRANCE</li> <li>TO IDENTIFY ELEVATORS</li> <li>TO IDENTIFY TOILET ROOMS</li> </ol>		DRMANCE WITH AWS D1.1 AND D1.3, "SPECIFICATION IN STRUCTURES."	FOR WELD	ING SHEET
	8. TO IDENTIFY PUBLIC TELEPHONES, TTY and ASSISTIVE LISTENING SYSTEMS	ABBRE	VIATION LEGEND		
	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".	A AC	ACCESSIBLE ASPHALT CONCRETE		FACE OF COL
	SECTION 11B-404.2.8 DOOR CLOSING SPEED	A/C ACI	AIR CONDITIONING AMERICAN CONCRETE INSTITUTE	FOS	FACE OF PLY FACE OF STU
E	1. THE SWEEP PERIOD OF ACCESSIBLE DOORS SHALL BE 5 SECONDS MINIMUM, FROM AN OPEN DOOR POSITION OF 90 DEGREES, TO A DOOR POSITION OF 12°	ACOUS ADD ADD'L	ACOUSTICAL ADDENDUM ADDITIONAL	FT	FIBERGLASS FOOT FOOTING
	FROM THE LATCH. SECTION 11B-404.2.9 DOOR OPENING FORCE	ADJ AISC	ADJUSTABLE OR ADJACENT AMERICAN INSTITUTE OF STEEL		FURRED (-ING GAUGE
	<ol> <li>THE EFFORT TO OPEN ANY DOOR SHALL NOT EXCEED 5LBS, EXCEPT FIRE DOORS, WHICH SHALL NOT EXCEED 15LBS FORCE. THE MINIMUM FORCE</li> </ol>	AISI ALT	CONSTRUCTION AMERICAN IRON AND STEEL INSTITUTE	GB GL	GYPSUM BOA GLASS OR GL
	NEEDED SHALL BE USED. SECTIONS 11B-404.2.4.3 RECESSED DOORS	ALUM ANSI	ALTERNATE ALUMINUM AMERICAN NATIONAL STANDARDS	GSM GYP	GALVANIZED GALVANIZED GYPSUM
	<ol> <li>DOORS RECESSED 8" OR MORE SHALL HAVE STRIKE EDGE CLEARANCES IN ACCORDANCE WITH FIGURE 11B-404.2.4.3.</li> </ol>	APA	INSTITUTE AMERICAN PLYWOOD ASSOCIATION		GYPSUM BOA
	SECTION 11B-405.5 RAMP WIDTH	ARCH ASTM	ARCHITECT(URAL) AMERICAN SOCIETY FOR TESTING AND MATERIALS	HC	HOSE BIBB HOLLOW COF HEADER
	1. THE CLEAR WIDTH OF A RAMP SHALL BE 48" MINIMUM. SECTION 11B-505 HANDRAILS	AWC AWPA	AMERICAN WOOD COUNCIL AMERICAN WOOD PROTECTION	HDW HF	HARDWOOD HEM FIR
	<ol> <li>THE TOP OF THE GRIPPING SURFACE OF HANDRAILS SHALL BE BETWEEN 34" AND 38", MEASURED VERTICALLY FROM WALKING SURFACES AND STAIR NOSINGS.</li> </ol>	AWS	ASSOCIATION AMERICAN WELDING SOCIETY	HOR/HORIZ	HOLLOW MET HORIZONTAL HOLLOW STR
	<ol> <li>HANDRAILS SHALL HAVE AT LEAST 1-1/2" CLEARANCE ALONG THE SIDE; MAX. 20% OBSTRUCTIONS ON THE BOTTOM (11B-505.6).</li> <li>HANDRAILS SHALL EXTEND BEYOND, AND IN THE SAME DIRECTION, OF STAIRS</li> </ol>	BD BLDG	BOARD BUILDING	HT	HEIGHT HEATING VEN
	AND RAMPS.	BLK BLKG	BLOCK BLOCKING		HOT WATER
	SECTION 11B-606.4 WATER CONTROLS 1. CONTROLS TO OPERATE A WATER FAUCET OR OUTLET SHALL BE A SINGLE-LEVER DESIGN, CARADIE OF DEING OPERATED WITH A SINGLE HAND, AND SHALL NOT	BLW BM BN	BELOW BEAM BOUNDARY NAILING		INTERNATION PLUMBING AN INTERNATION
	DESIGN, CAPABLE OF BEING OPERATED WITH A SINGLE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. 2. THE FORCE REQUIRED TO OPERATE CONTROLS SHALL NOT EXCEED 5 LBS.	BOT/BOTT BRG	BOTTOM BEARING	ID IN	INSIDE DIAME INCH
	SECTION 11B-604 TOILET ROOMS AND BATHING ROOMS	BTWN BUR C	BETWEEN BUILT UP ROOFING CARPET		INSULATE (D) INTERIOR INVERT
	<ol> <li>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</li> </ol>	CAB CB	CABINET CATCH BASIN	IR	INTERPRETAT
)	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.	CBC CCR CEM	CALIFORNIA BUILDING CODE CALIFORNIA CODE OF REGULATIONS	JT	ACCESSIBILIT JOINT
	2. 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	CF CJ	CEMENT CUBIC FOOT CONTROL JOINT	KSI	KIPS PER SQI
	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).	CJP CLG	COMPLETE JOINT PENETRATION CEILING	LAV	LAMINATE(D) LAVATORY
	3. EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS, A CLEAR, UNOBSTRUCTED ACCESS OF NOT LESS THAN 44 INCHES SHALL BE PROVIDED TO	CLR CT CMU	CLEAR CERAMIC TILE CONCRETE MASONRY UNIT		POUND LONG LEG HO LONG LEG VE
	THE WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DISABILITIES. 4. A 27"-29" MINIMUM DIMENSION IS REQUIRED FOR LAVATORY/SINK KNEE	CNEL CO	COMMUNITY NOISE EQUIVALENT LEVEL CLEAN OUT	LNDG LONG	LANDING LONGITUDINA
C	CLEARANCE, WHICH IS THE DISTANCE FROM THE FINISH FLOOR TO THE UNDERSIDE OF THE LAVATORY/SINK AND THE LAV FRONT EDGE.	COL CONC CONN	COLUMN CONCRETE CONNECTION	LT	LAG SCREW LIGHT LIGHT WEIGH
IT	<ol> <li>TABLE 11B-604.9 SUGGESTS DIMENSIONS FOR CHILDREN'S USE.</li> <li>TOILET ACCESSORIES LOCATED IN THE CIRCULATION PATH AND WITH THE BOTTOM MOUNTED ABOVE 27" SHALL BE 4" DEEP MAX (11B-307.2).</li> </ol>	CONT	CONTINUOUS COUNTERSINK		LIGHT WEIGH
र	BOTTOW WOONTED ADOVE 27 ONALE DE 4 DEEL WAX (TTD-307.2).	CTRD CW	CENTERED COLD WATER	MAX	MATERIAL MAXIMUM
	OUTDOOR VENTILATION REQUIREMENTS:	DBL DET	DOUBLE DETAIL	MB MECH MFG	MECHANICAL MECHANICAL MANUFACTUR
R	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	DF DIA	DRINKING FOUNTAIN OR DOUGLAS FIR DIAMETER	MFR MIN	MANUFACTUF MINIMUM
5. E.	MINIMUM REQUIREMENTS AS SPECIFIED OR TO 15 CFM PER OCCUPANT, WHICHEVER IS GREATER. THE BUILDING MANUFACTURER SHALL VERIFY WITH THE	DIAG DIM DIV	DIAGONAL DIMENSION DIVISION	MISC	MIRROR MISCELLANE( MILLIMETER
-	SCHOOL DISTRICT THE EXPECTED NUMBER OF OCCUPANTS IN THE CLASSROOM SO THAT THE OUTDOOR VENTILATION RATE FOR MECHANICAL SYSTEMS CAN BE	DR DS	DOOR DOWNSPOUT	MTL	METAL
	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	DSA DWG	DIVISION OF THE STATE ARCHITECT DRAWING	NIĆ	NEW NOT IN CONT NATIONAL DE
	ACCOMMODATE THE ADDITIONAL OUTDOOR AIR REQUIREMENTS UNDER PEAK DESIGN CONDITIONS FOR THE CLIMATE ZONE IN WHICH THE BUILDING IS LOCATED.	(E) EA	EXISTING EACH	NW NWC	NORMAL WEI
D	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.	EJ ELEV	EXPANSION JOINT ELEVATION	O/	OVER
	THAT THE VENTERHON OF OTENIO ARE DECIONED TO TROVIDE TO EACHAREA.	ELECT EMBED EMT	ELECTRICAL EMBEDMENT ELECTRICAL MAGNETIC TUBING	OC OD OH	ON CENTER OUTSIDE DIAI OPPOSITE HA
		EN ETC	EDGE NAILING (OR EDGE FASTENING) ET CETERA	OL OPG	OCCUPANT LO
		EQ EW	EQUAL EACH WAY	OPP OSB	OPPOSITE ORIENTED ST
		EXP EXT	EXPOSURE EXTERIOR	PAF PL	POWER-ACTL PROPERTY LI
		F FUT	FAHRENHEIT FUTURE	PLAM PLAS	PLASTIC LAM PLASTER
	FIG. 1808A.7.1	FAB FAC FD	FABRICATION FACTORY FLOOR DRAIN	PLF PLT PLWD/PLY	POUNDS PER PLATE PLYWOOD
	FACE OF / STRUCTURE	FF FG	FINISHED FLOOR FINISHED GRADE	PNL POC	PANEL POINT OF CO
	TOE OF	FHWS FIN FLR	FLAT HEAD WOOD SCREW FINISH FLOOR	PS PSF PSI	PRODUCT ST. POUNDS PER POUNDS PER
	SLOPE AT LEAST THE SMALLER OF H/3 AND 40 FEET	FLSHG FN	FLASHING FIELD NAILING	PSL PT	PARALLEL ST PRESSURE TI
	FOR SI: 1 FOOT=304.8 MM.	FND/FNDN FO	FOUNDATION FACE OF	PTDF PTN	PRESERVATIV PARTITION
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TION	'W' WIDTH	'H' HEIGHT	FINISH	GLASS TYPE	U FACTOR	SHGC	VT MIN	MIN STC RATING	REMARKS			
(ED	6'-0"	4'-0"	CLEAR ANODIZED	SOLAR GREY <sup>6</sup>	0.780	0.430	0.37	27	OPERABLE			
	IIMUM TEMPE DF 45% MAXIN		DR LAMINATEI	D AS 1 GLASS OF	SOLAR GRAY	GLARE REDU	ICING TYPI	E WITH A LIC	GHT	ROOM NUMBER	ROOM NAME	FLOOR
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				IRED BY OTHERS		LUES FROM	TABLE 110	.6-A & 110.6-	-В).			
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S, LATCI G, PINCI 3-309.4)	IES, LOCKS A HING OR TWIS	ND OTHERS C	DPERABLE PA WRIST. THE F	AND 44" MAXIMU RTS ON DOORS S ORCE REQUIRED YOUT.	SHALL BE OPE	RABLE WITH	ONE HAND	AND SHALL				
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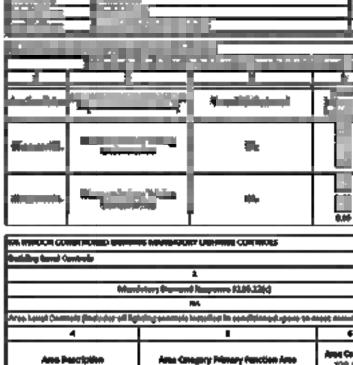
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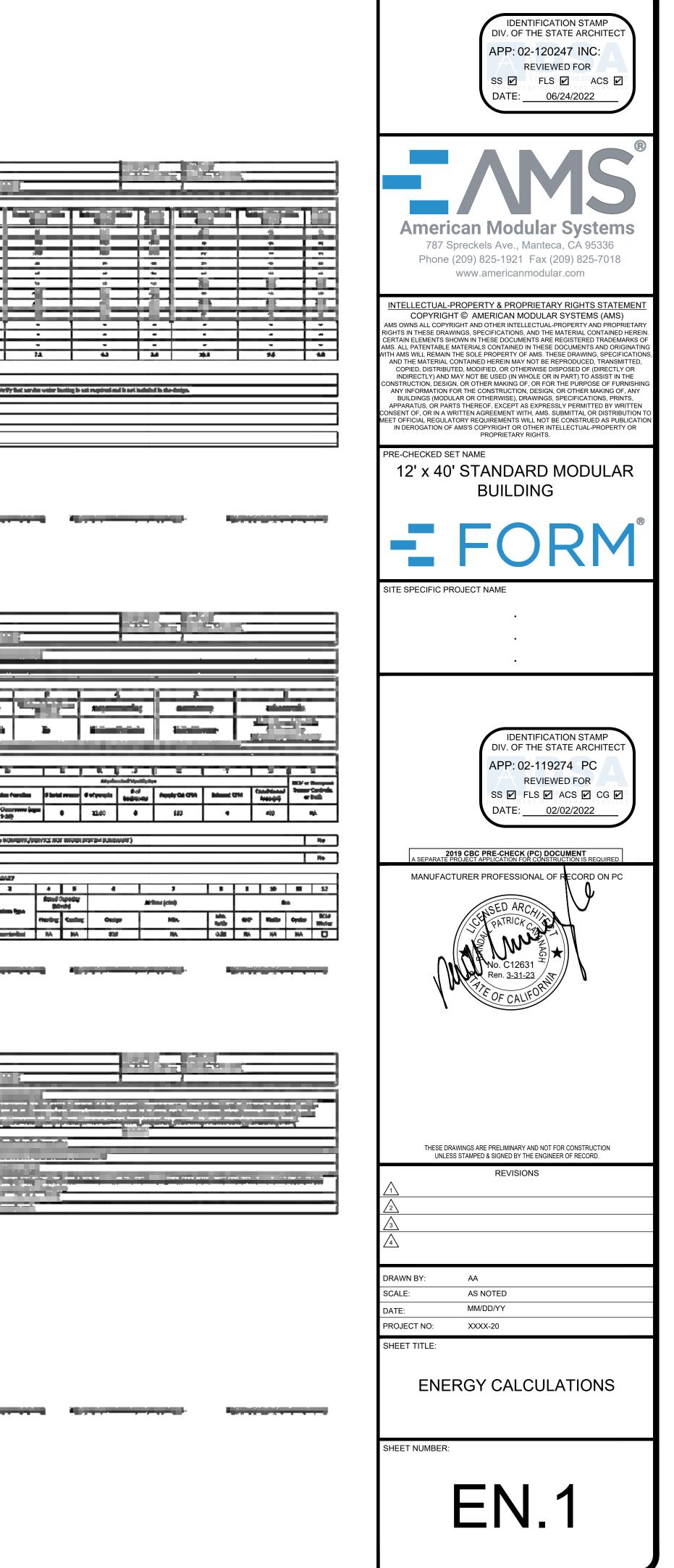
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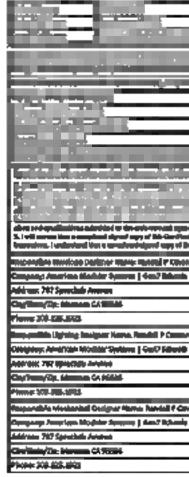
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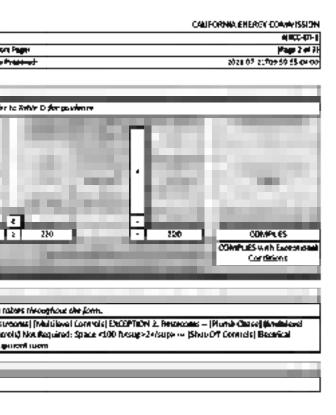
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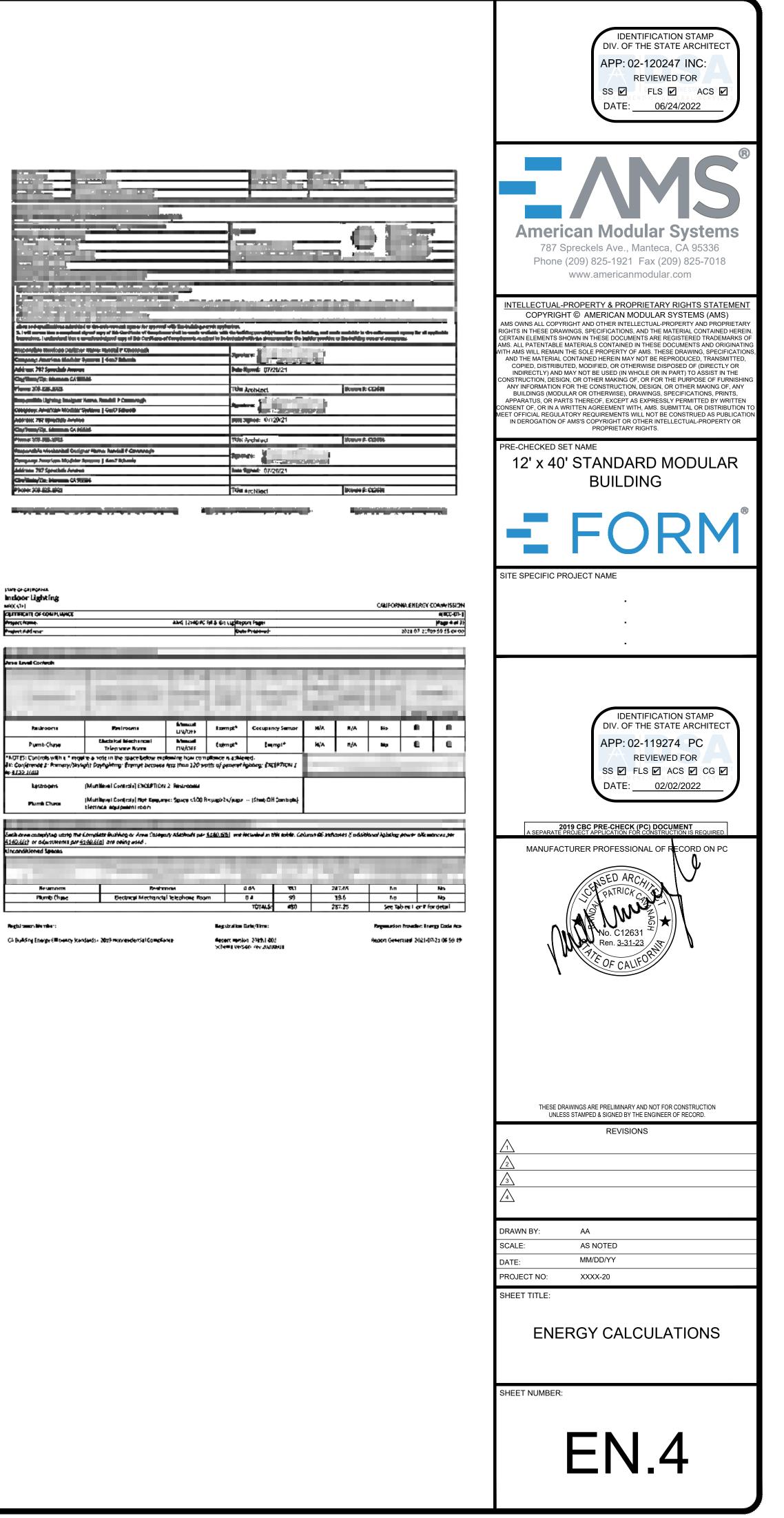
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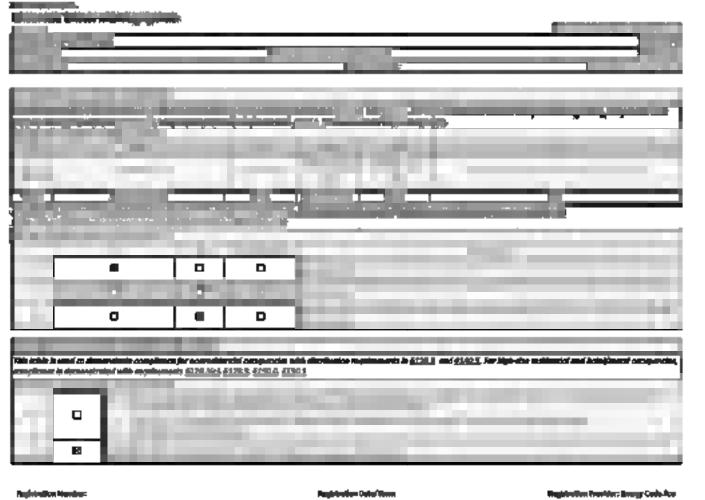
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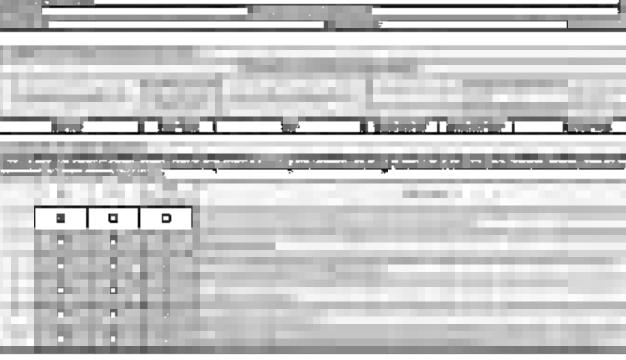
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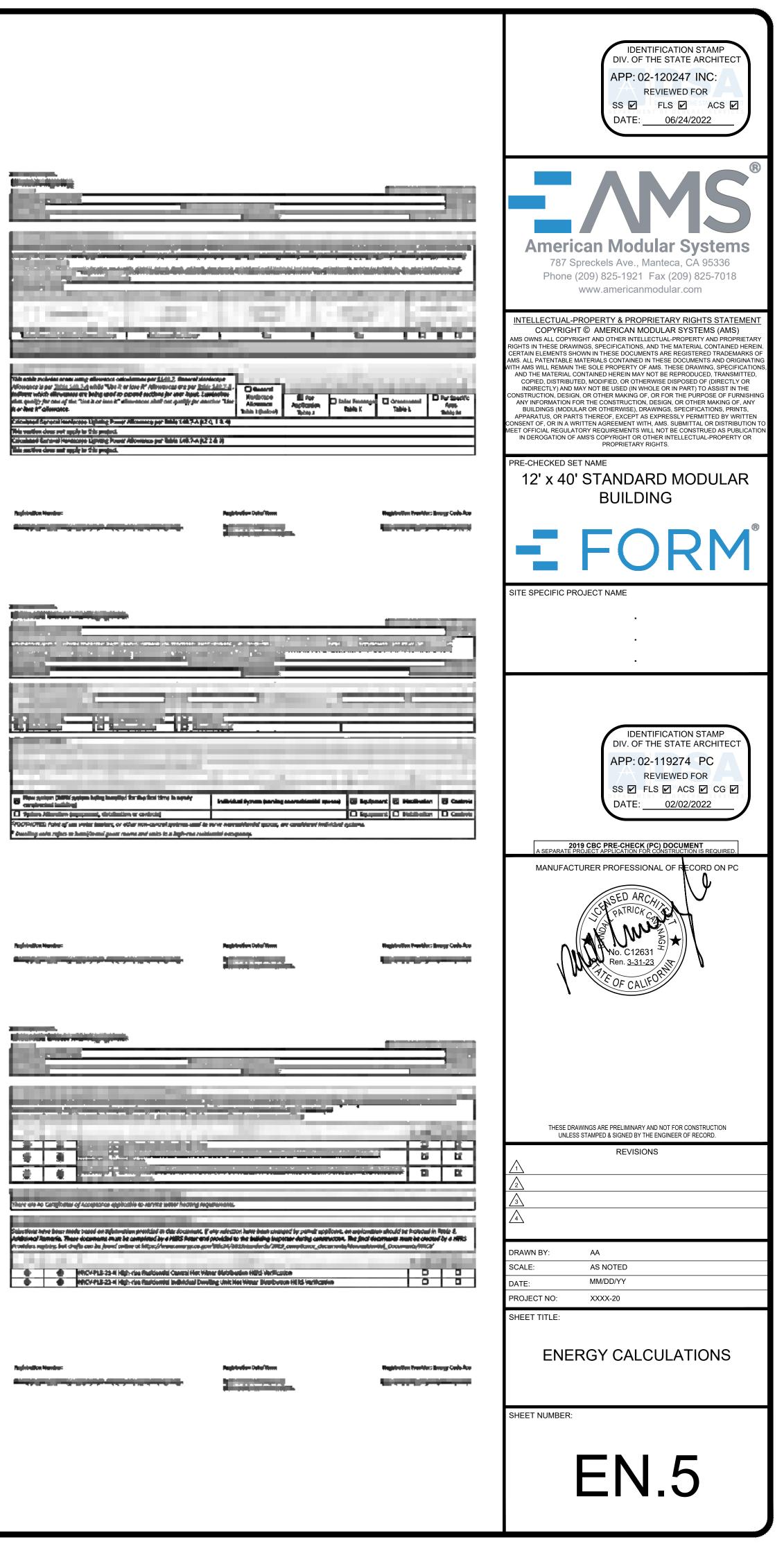
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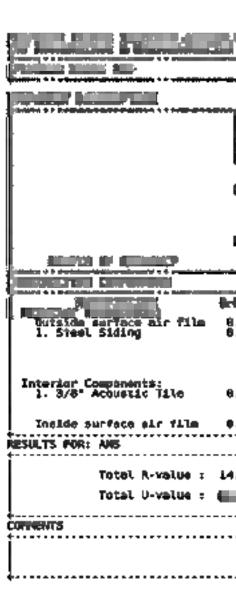
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Company: AMERICAN MODULAR SYSTEM	Signature Date:
Address: 787 SPRECKELS AVE.	CEA/ HERS CIERT
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hotel/matel accupancies. Additions and alterations to electrical service systems in these accupancies will also use this document to demonstrate compliance per §141.0(a) or

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Page 1 of 3

December 2017

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<b>1.</b> 27	7-11-4-11-11-11 17/2 0.06*	177X H0	
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April 51, 2020			

#### DSA Devision of the Senie Archester

STATE OF CALIFORNIA

teRDC-ELC-E (Created 12/17) CERTIFICATE OF COMPLIANCE

**Electrical Power Distribution** 

STOD Quarter. Sectorization, CA 93911

This letter is in regards to the 2019 Every/CALGover Code DSA New Review, 2019 CBC - AMS PC Submissions

American filedular Systems (AMS) shall conform their us wile construction practices to comply with the required examination work maniputers, profileer illustrated in the Part 11. Title 24 California Green Building Code (CDC). The mean of this lower to re-price, illustrate, and demonstrate they AMS and vs buildings comply to the following applicable crois sections ellevise inditions

#### 2019 CaleRmus Green Building Code (CSC) - (Ran 11, Table 20, CCR)

CA Building Energy Efficiency Standards - 2016 Nonrecidential Compliance: http://www.energy.cs.gov/thie24/2016standards

- Section 3.448.1 Construction Weste Manaparent If the conservation waste transgement states place in the factory, provide program specifics to CALGreen plan reviewer wurdt niemfies: 1. Percenange of warie as be salvaged on noepelod walt a cananam of 6.5% of matimized on construction winte.
- Procedures for waste management reporting
   Type of caste laite diverted
   If sected or leads control
- If bandled by a waste usuagement company of a diversion Dedicy.
   If calculated by we git or volume
- AMS shall camply at that section by the following preceduate is practice.
   AMS shall camply at that section by the following preceduate is practice.
   AMS shall be responsible for the organization and management of occurrention where on the factory sec, including, the responsibility of recurring server discuss a momentum of 65% of non-discarding concurring wasse.
   AMS shall solar vector wash & may share be (a) from a literactural and enter management of an angle of the factory sec. the City of Manesca, or equivalent in that market. Upon appear all the binder stall be dropped off or flower, size sy-hired weste mutapement company. As the bin(s) reach 4.0 capacity of construction waste. AMS schedules a peck-
- AMS shall write a point involve no point from the walk management company.
   AMS shall value and its given involve no interim the walk management company.
   AMS shall value are built where a second for AMS plant wether to always and/u second company.
   AMS shall value are built where a second for AMS plant wether to always and/u second company.
   AMS shall value are built where a second for AMS plant wether to always and/u second company.
   AMS shall value are built where are supported to for second grade of the always and a second company.
   AMS shall writers and management are supported to for second grade but with the context local of continuation uses and the second second

- were land, above. 5 The mean provided by the hired weets mean graces example y provider a eldiviceal information
- 6. Innove receipts provides calculated weights of each bar & promy of rental to

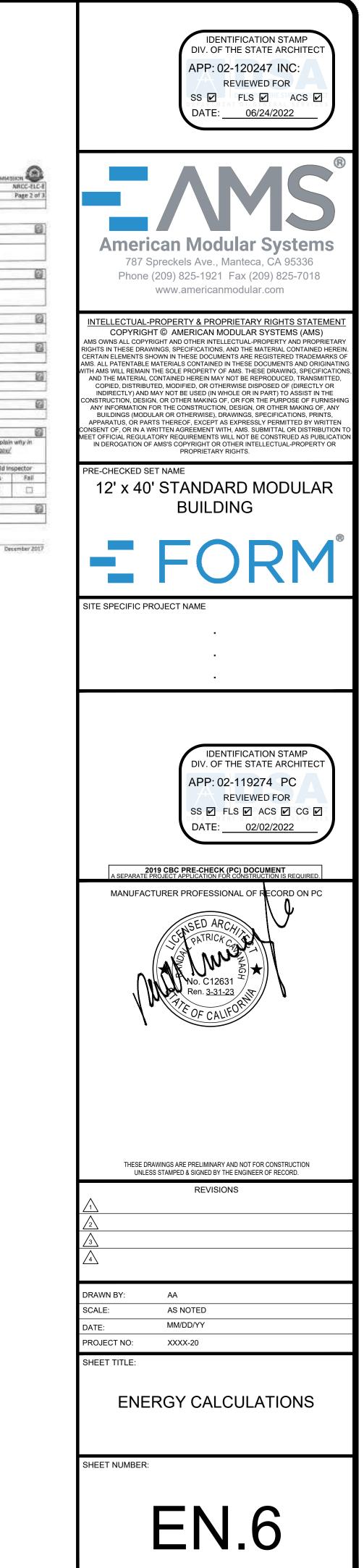
The PC plans and specifications will not reflect and show these procedures for any pro-

Any questions equating the control of the matching of the processing please feel fee to contain AME's office.



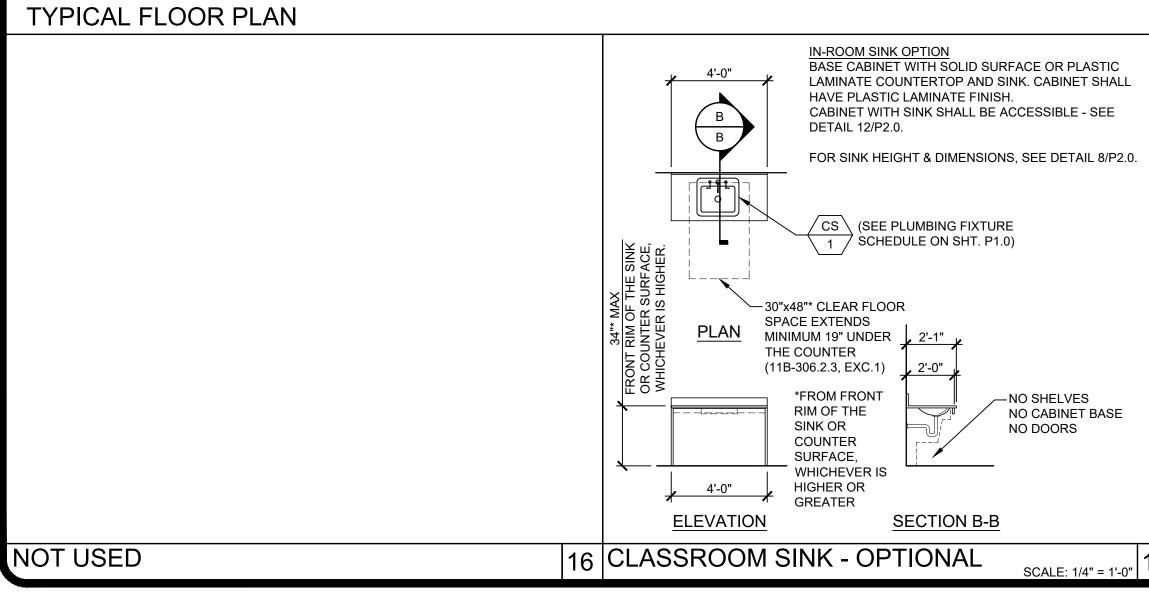
Randal P. Coverage

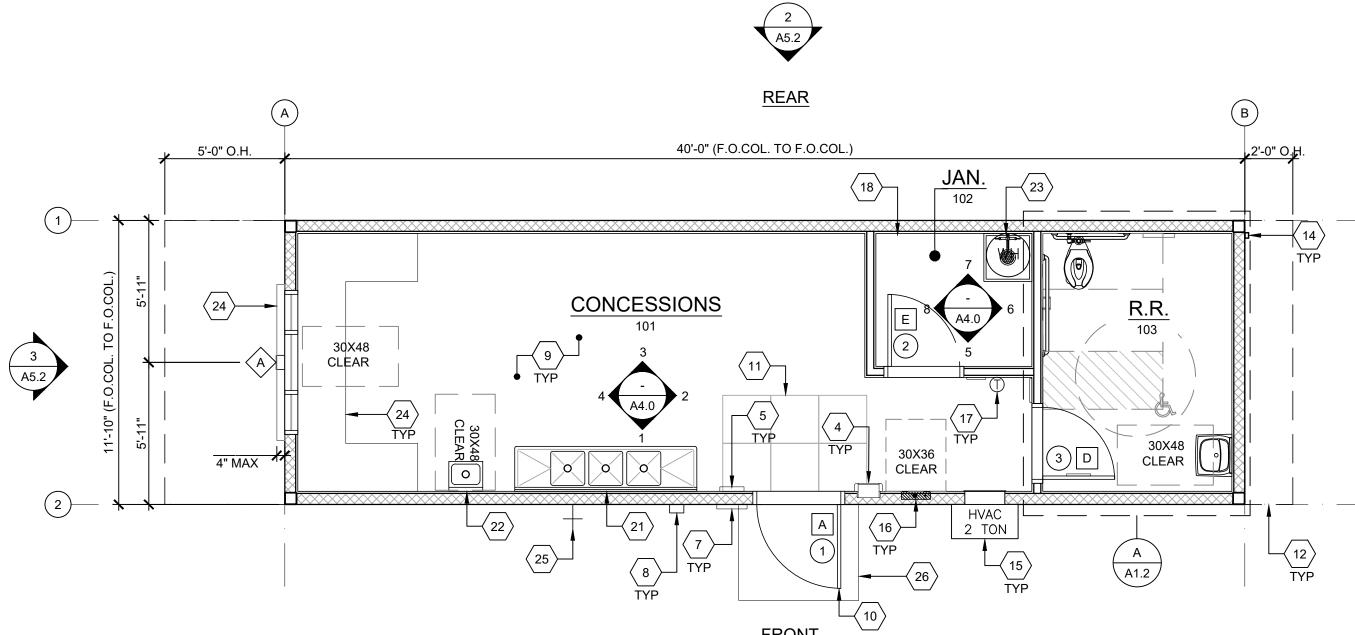
Accesses Holdan Statementary, 201 Second statement and second statements (Salakovan 96356, Ptr. 209 C25 (S2) Fac. 299 JUS 74(1) Statementary conductors Page 1 of 8



Electrica MICC-DLD-E (C		Distribution	CALIFORNIA ENERGY COMMIS	SHOW MORE
CERTIFICAT		and so the second se		NRCC-ELC-
Project Nan	ne: 2019	12440 STD-PC-	Report Page:	Page 2 of 1
Project Ada	ress: N/A	(SITE SPECIFIC)	Date Prepared: prizatizn	- 242
D. EXCEPT	IONAL CO	NDITIONS		8
This table I	s puto-filled	with uneditable comments because of selection	ns made or data entered in tables throughout the form.	
No exception	onal condit	ions apply to this project.		
E. ADDITI	ONAL REM	ARKS		0
This table i	ncludes rem	wis made by the permit applicant to the Authority	wity Howing Jurisdiction.	
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G. SEPAR	ATION OF	ELECTRICAL CIRCUITS FOR ENERGY MONIT	ORING	0
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H. VOLTA	GE DROP			8
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I. CIRCUIT	CONTROL	S FOR 120-VOLT RECEPTACLES AND CONT	ROLLED RECEPTACLES	8
This Section	n Does Nat	Apply		0
J. DECLAR	ATION OF	REQUIRED CERTIFICATES OF INSTALLATIO	N	0
Toble E. Ad	ditional Rev	ections have been mode based on information p morks. These documents must be provided to th 400-2015-033/appendices/forms/NRCI	wowlded in previous tables of this document. (f any selection needs to be changed, please explain to building inspector during construction and can be found online at <u>http://www.energy.ca.gov/</u>	
YES	NO		Form/Title Field in Pass	Fall
	6	NRCI-ELC-01-E - Must be submitted for all bu		
5%	1.12.			-
K. DECLAR	LATION OF	REQUIRED CERTIFICATES OF ACCEPTANCE	E	8

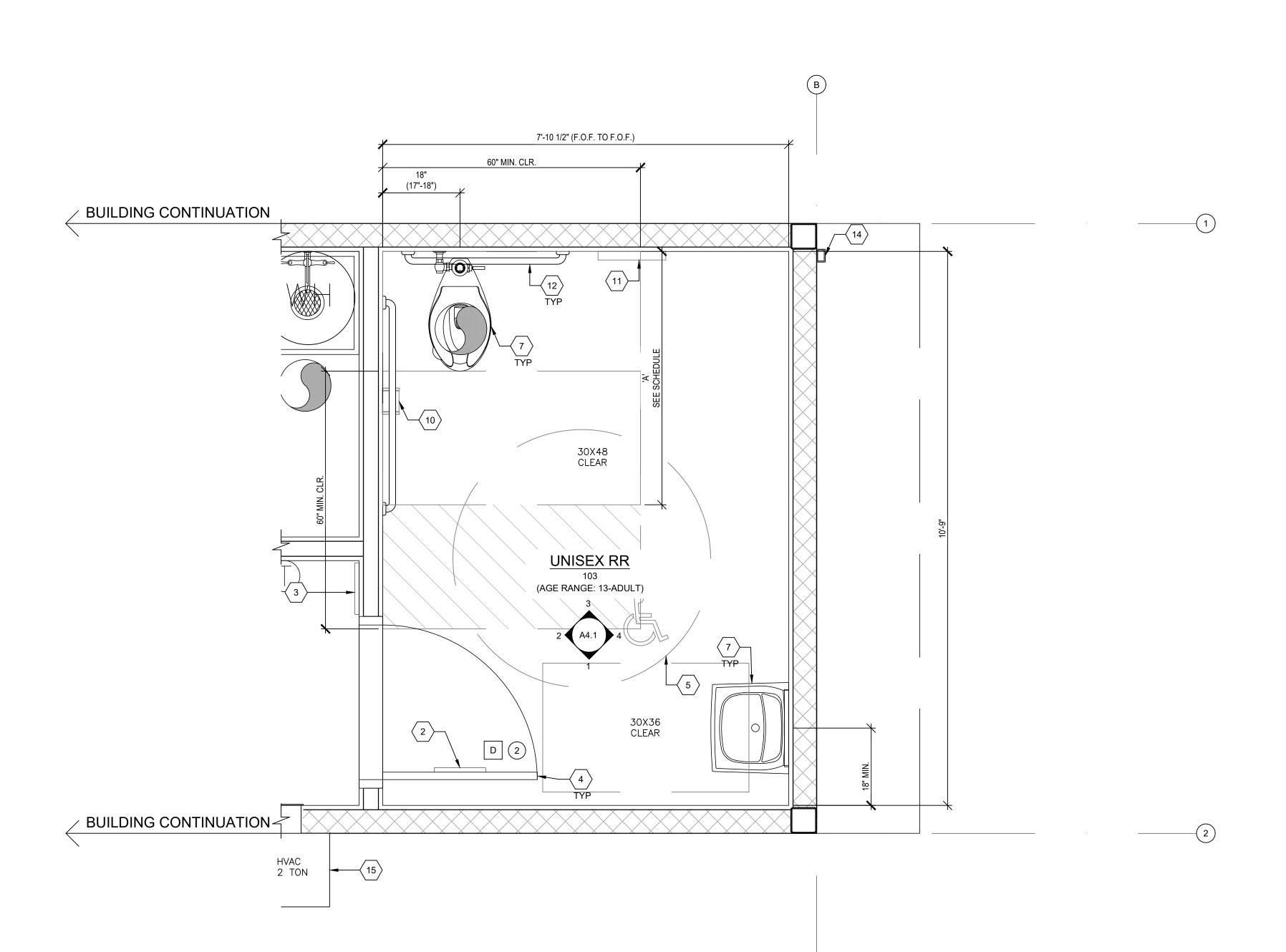
CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: http://www.energy.ca.gov/bite24/2016standards







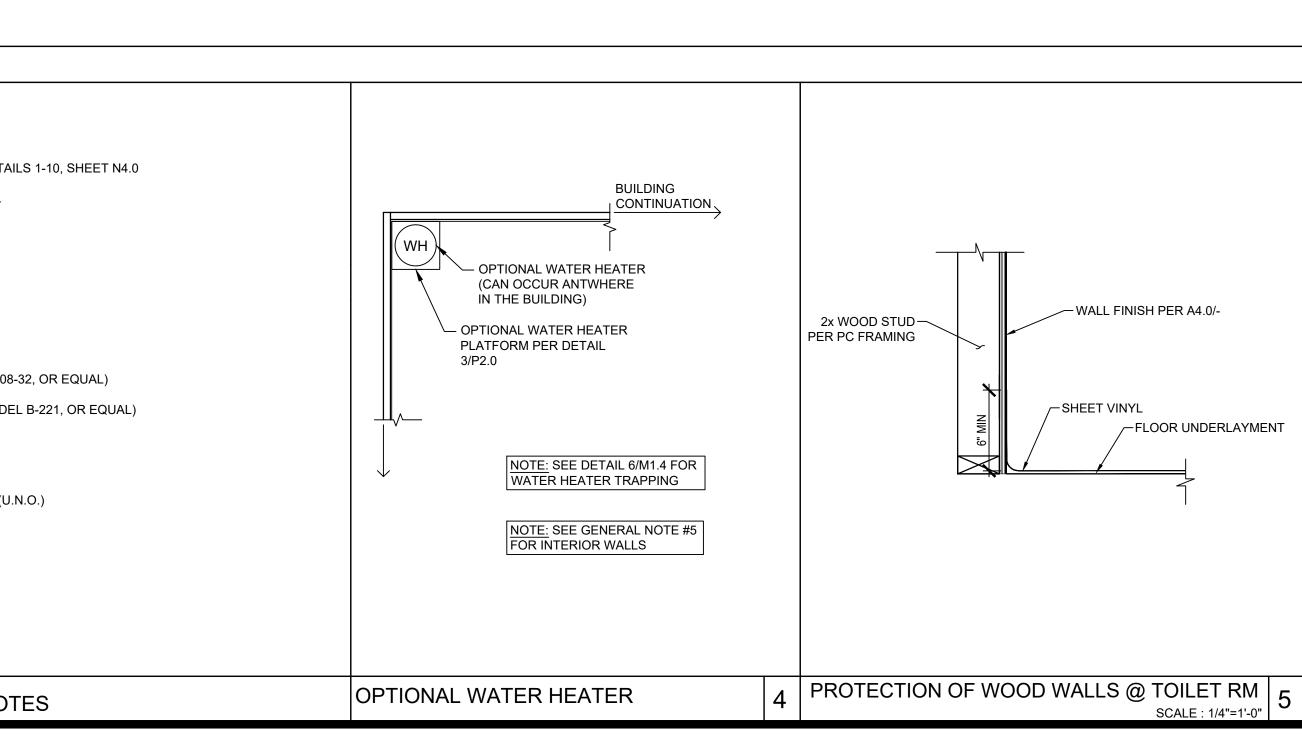
REAR $CL TO F O. COL I TO TO F O$		1       NOT USED         2       NOT USED         3       TYP. MOD LINE         4       SEMI-RECESSED FIRE EXTINGUISHER - TOP OF HANDLE @ +49" A.F.F. # shaw PROTUSION FROM WALL IF BOTTOM OF FIRE EXTINGUISHER IS ABOVE 27" A.F.F.         5       TACTULE EXIT SIGN PER DETAIL 10/N4.0 (BY OTHERS)         6       NOT USED         7       ROOM SIGMAGE AND IS.A. PER DETAILS 5&9/M4.0 (BY OTHERS)         8       EXTERIOR LIGHT         9       SHEET VINYL FLOORING         10       EGRESS DOOR         11       NON-ABSORBENT FLOOR AREA (2-0" MIN. IN ALL DIRECTIONS @ ALL ENTRY DOOR) CHANGES IN LEVEL ARE NOT PERMITTED IN DOOR MANEUVERING CLEARANCE UNESS NON-ABSORBENT MATERIAL IS FLUSH WITH CARPET (11B-404.2.4).         11       NON USED         12       OVERHANG         13       NOT USED         14       DOWNSPOUT - DISCHARGE TO SPLASH BLOCK (U.O.N.)         15       HVAC - SEE MECHANICAL         16       ELECTRICAL PANEL         17       THERMOEPER 17M40         20       CASEWORK - INTERIOR SERVING COUNTERS BLOCKING AS NEEDED PER 8/7.1         21       SCOMPARTMENT SINK         22       HAND WASH SINK         23       GOMPARTMENT SINK         24       STAINLESS STEEL COUNTER         25 <td< td=""><td><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></td></td<>	<text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text>
	$\boxed{X}{\#} = MECHANICAL OR PLUMBING FIXTURE - SEE MECHANICAL ORPLUMBING DRAWINGS\boxed{X}{} = KEY NOTE - SEE KEY NOTES ABOVE\boxed{X}{} = DOOR TYPE - SEE SCHEDULE, SHEET N3.0\boxed{X}{} = DOOR HARDWARE - SEE HARDWARE SCHEDULE, SHEET N3.0\boxed{X}{} = WINDOW TYPE - SEE SCHEDULE, SHEET N3.0$	3. WINDOW PLACEMENT & SIZE MAY VARY AS THE PC TITLE 24 HAS BEEN RUN FOR THE WORST CASE ENVELOPE PROVIDED THAT THE MAXIMUM WINDOW AREA IS 160 SQ.FT. 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.	THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION NULSSS STAMPED & SIGNED BY THE ENGINEER OF RECORD.
SCALE: 1/4" = 1'-0" <b>1</b>	SYMBOLS LEGEND	SHEET NOTES	REVISIONS
ENERGY CONTROLS: 1. <u>DEMAND RESPONSE CONTROLS</u> : ONLY REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F., THEREFORE, NOT REQUIRED FOR THIS PC.	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.	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 507.4.3. (EXAMPLES OF QUALIFYING ASSEMBLIES SHOWN BELOW).	$ \begin{array}{c} \underline{1}\\ \underline{2}\\ \underline{3}\\ \underline{4}\\ \end{array} $
<ol> <li><u>AUTOMATIC DAYLIGHTING CONTROLS</u>: NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT &amp; PRIMARY DAYLIT ZONES ARE &lt;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.</li> <li><u>ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION</u>: 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.</li> </ol>	2. <u>MINIMUM WALL ASSEMBLIES</u> : WALL ASSEMBLIES SHALL BE CONSTRUCTED PER DETAIL SHEETS A5.1, 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 <u>THE CATALOG OF STC &amp; IIC RATINGS FOR WALL AND FLOOR/CEILING ASSEMBLIES</u> , 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 <sup>1</sup> / <sub>2</sub> " THK. BATT INSULATION	DRAWN BY: ABD SCALE: AS NOTED DATE: 04/25/21 PROJECT NO: 1663-21 SHEET TITLE: TYPICAL
NOTE:	(1) LAYER 1/2" GYPSUM BOARD	<ul> <li><u>STC=40</u> TEST REF.: AUDIO ALLOY L.L.C TEST NUMBER: OL-05-1003</li> <li>4. MINIMUM WINDOW &amp; DOOR RATINGS:</li> </ul>	
ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THE BASE PC.	SÉCURED 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	ALL WINDOWS AND DOORS SPECIFIED ON THE SCHEDULES FOUND ON SHEET N3.0 OF THIS PACKAGE SHALL MEET A MINIMUM STC RATING OF 27.	SHEET NUMBER:
17 ENERGY NOTES	ACOUSTIC	C NOTES	

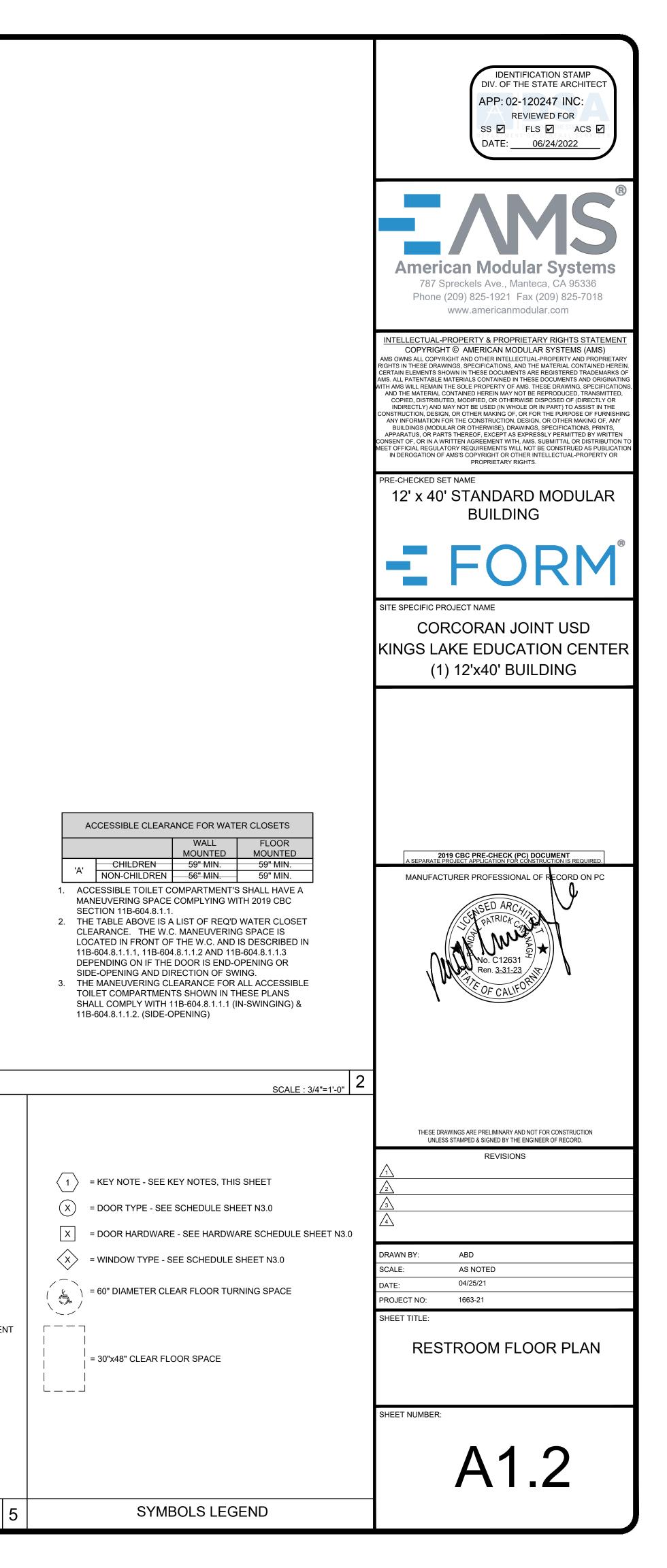


## **RESTROOM FLOOR PLAN - OPTION #1**

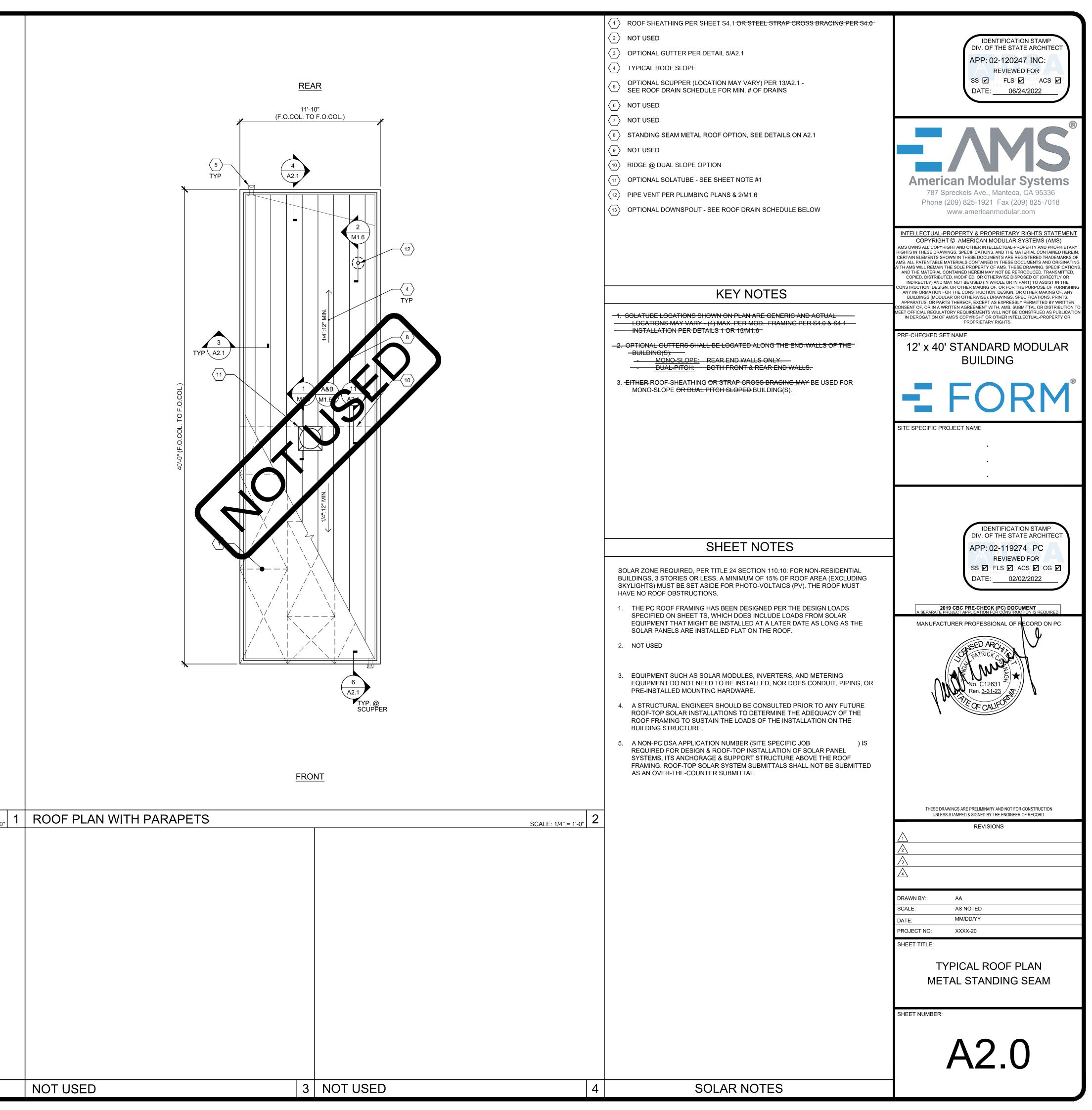
-1	RESTROOM CONFIGURATION MAY VARY.	$-\langle 1 \rangle$	- MOD LINE-
	RESTROOM MODULE OCCURS AT END OF BUILDING WHEN COMBINED WITH OTHER MODULES. SINGLE RESTROOMS MAY OCCUR IN ANY PART OF A BUILDING.	2	DOOR SIGNAGE PER 2 & 7/N4.0 (BY OWNER)
3.	NOT USED.	$\langle 3 \rangle$	RESTROOM I.D. SIGNAGE (BY OTHERS) PER DET
<del>4</del> .	INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING. REFER TO SHEET S8.1 FOR ATTACHMENTS.	$\overline{\langle 4 \rangle}$	TYPICAL DOOR PER SCHEDULE ON SHEET N3.0.
5.	REFER TO SCHEDULE 7/P2.0 FOR ACCESSIBLE HEIGHTS AND DIMENSIONS.		CLEAR FLOOR SPACE AREA
<del>-6.</del>	REFER TO DETAILS 2, 4 & 5, SHEET A7.2 FOR TOILET PARTITION ANCHORAGE BLOCKING.	$\succ$	CLEAR FLOOR SPACE AREA
<del>7</del> .	PROVIDE FIRE BLOCKING PER DETAIL 5, SHEET M1.5.	$\left< 6 \right>$	ELECTRICAL PANEL
8.	SEWER AND WATER STUB OUTS SHALL BE LOCATED WITHIN THE ALLOWABLE AREA AS SHOWN ON PLANS AND CONNECTIONS SHALL BE EASILY ACCESSIBLE FOR FUTURE RELOCATION. STUB OUT HEIGHT SHALL BE	7	PLUMBING FIXTURE PER P1.0
0	COORDINATED BY THE MANUFACTURER. PIPING MATERIAL:	$\langle \underline{8} \rangle$	NOT USED
9.		$\langle 9 \rangle$	NOT USED
	A. WATER: COPPER TYPE "L", 95/5 SOLDER. B. WASTE DRAIN AND VENT: ABS.	$\langle 10 \rangle$	TOILET TISSUE DISPENSER (BRADLEY MODEL 50
10.	TOILET COMPARTMENT DOORS LOCATED IN THE FRONT PARTITION SHALL BE 4" MAXIMUM FROM THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET, PER C.B.C. SECTION 11B-604.8.1.2.		TOILET SEAT COVER DISPENSER (BOBRICK MOD
		$\langle 12 \rangle$	GRAB BARS - SEE 6/A7.1
PLUMBING NOTE			NOT USED
MODULAR MFR. TO STUB THROUGH FLOOR ALL PLUMBING LINES - BUILDING PERIMETER POC'S SHOWN ARE FOR COORDINATION PURPOSES ONLY - ALL UNDER-FLOOR CONNECTIONS ARE			DOWNSPOUT - DISCHARGE TO SPLASH BLOCK (U - (QUANTITY AND LOCATION MAY VARY)-
BY SITE CONTRACTOR UON.		(15)	HVAC - SEE MECHANICAL
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.			

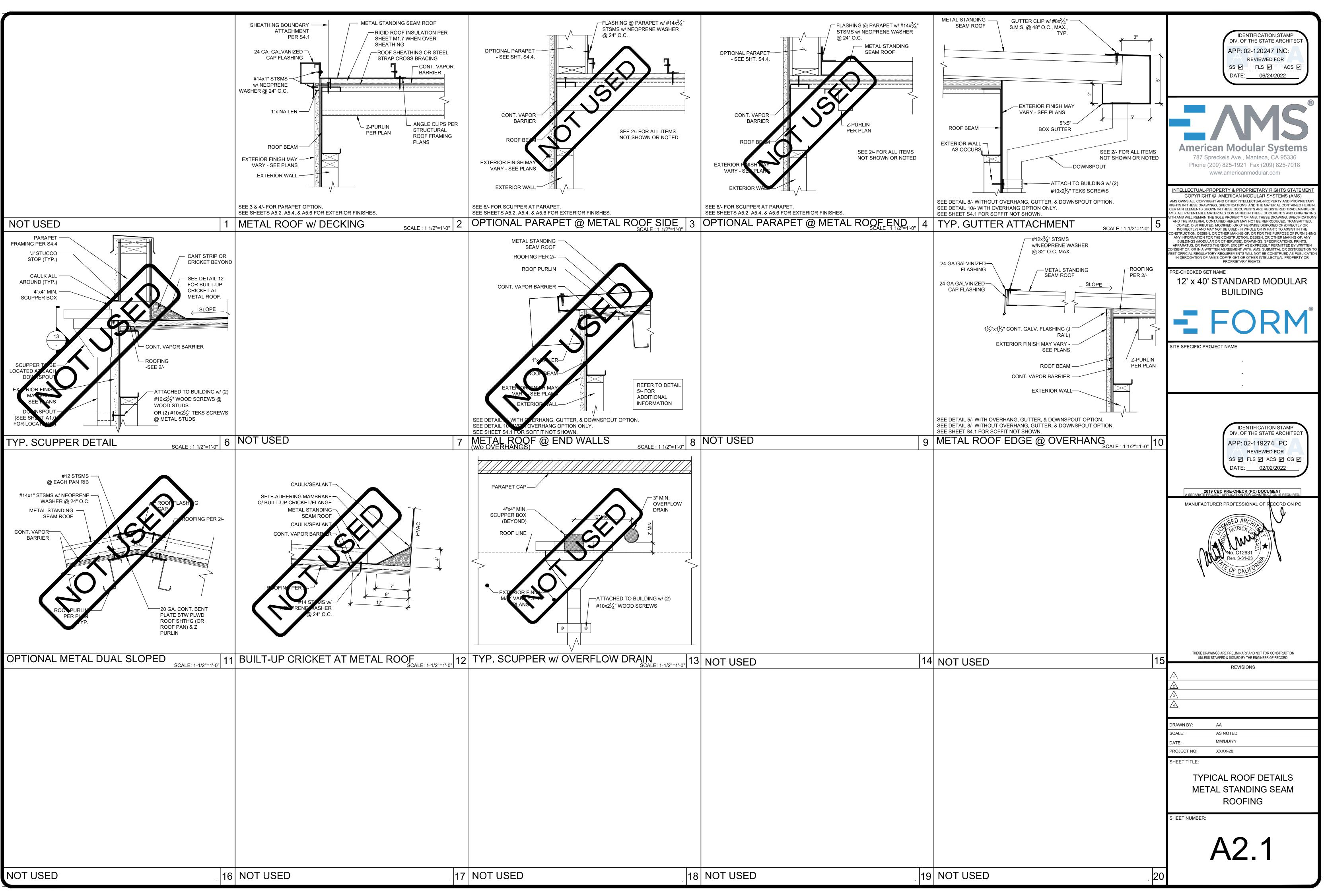
SHEET NOTES

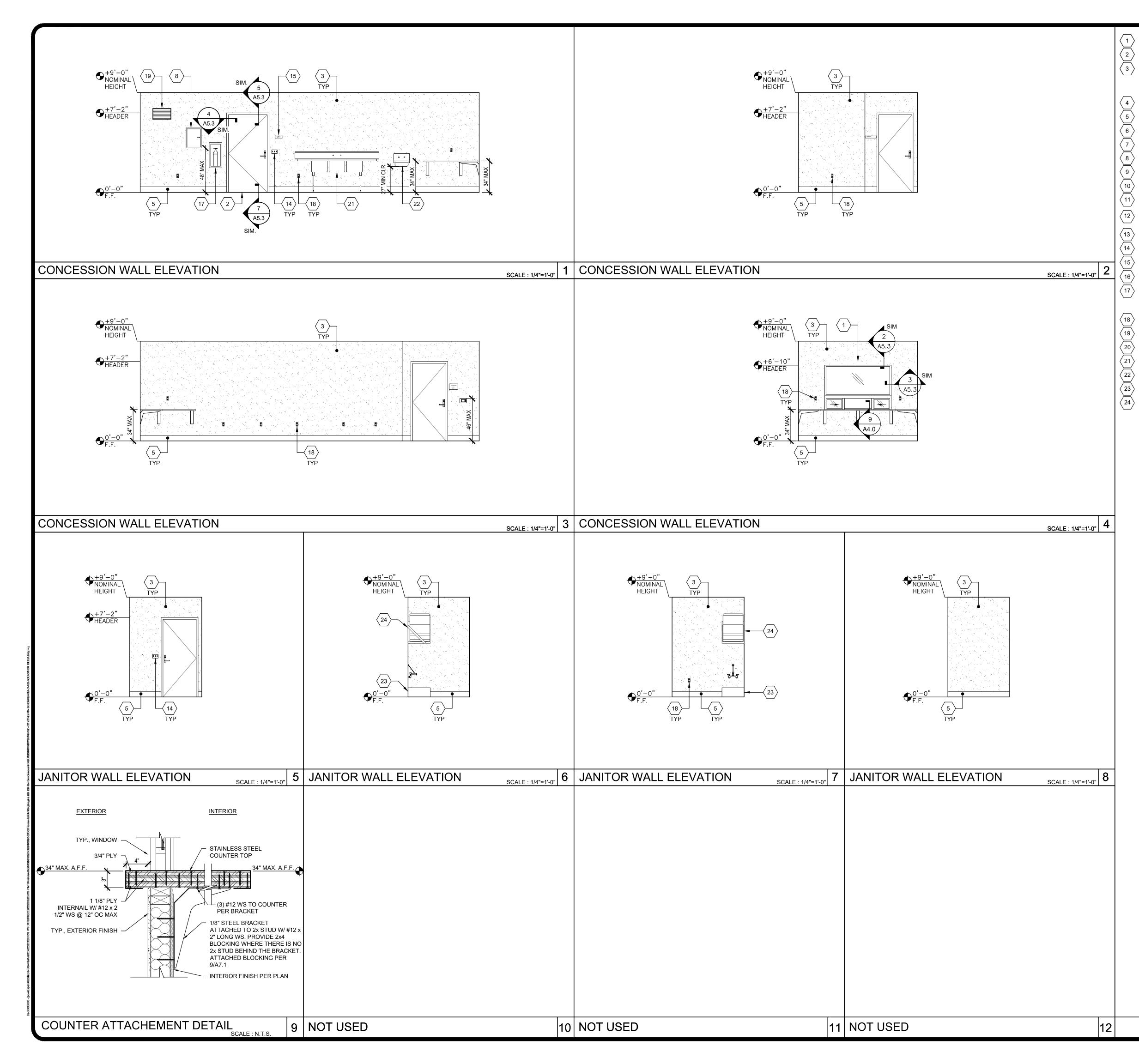




REAR 11'-10" (F.O.COL. TO F.O.COL.) A2.1 <13 ≻ TYP M1.6 2 TYP∖A2.1/ ×  $\mathbf{X}$ ( 1 ≻ TYP FRONT TYPICAL ROOF PLAN SCALE: 1/4" = 1'-0" SIZE OF DRAIN INO. OF AINS 2x3 R C.P.C. 1106.1 AND TABLE 1101.11. BASED ON ROOF AREA AND MAX RAINFALL RATE OF 3" PER BUILDING MAY UTILIZE LOCAL RAINFALL RATE--PROVIDE SITE HOU TERMINE MINIMUM NUMBER OF DRAINS REQUIRED. RAINE NOT USED ROOF DRAIN SCHEDULE







## WINDOW, SEE SPEC'S

TYP EXTERIOR DOOR

#### F.R.P. (FIBER REINFORCED PLASTIC) - SHALL BE CLASS C RATED (ASTM E-84) EMBOSSED & SMOOTH INTERIOR WALL PANELS. NOMINAL PANEL THICKNESS SHALL BE ± 0.090 - PANEL SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES.

4 NOT USED

- 6" TOP SET BASE REFER TO DETAIL 19/A1.2
- NOT USED

NOT USED

- ELECTRICAL PANEL SEE ELECTRICAL SHEETS
- NOT USED
- (2) 8'x4' MARKER BOARDS SEE DETAIL 8/A4.0
- CLOCK
- 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
- RECESSED FIRE EXTINGUISHER TOP OF HANDLE @ +48" MAX. A.F.F. PROTRUSION MAX 4" FROM WALL IF BOTTOM OF FIRE EXTINGUISHER MORE THAN +27" A.F.F
- TYP DUPLEX OUTLET SEE ELECTRICAL SHEETS

HVAC GRILL

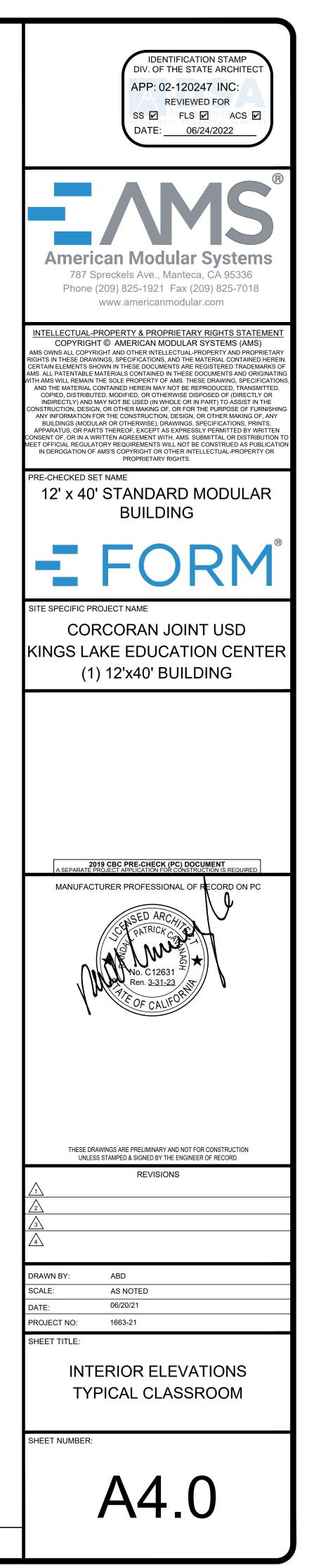
HORN/STROBE J-BOX - SEE ELECTRICAL SHEETS

3-BIN SINK

STAINLESS STEEL HAND SINK

MOP SINK

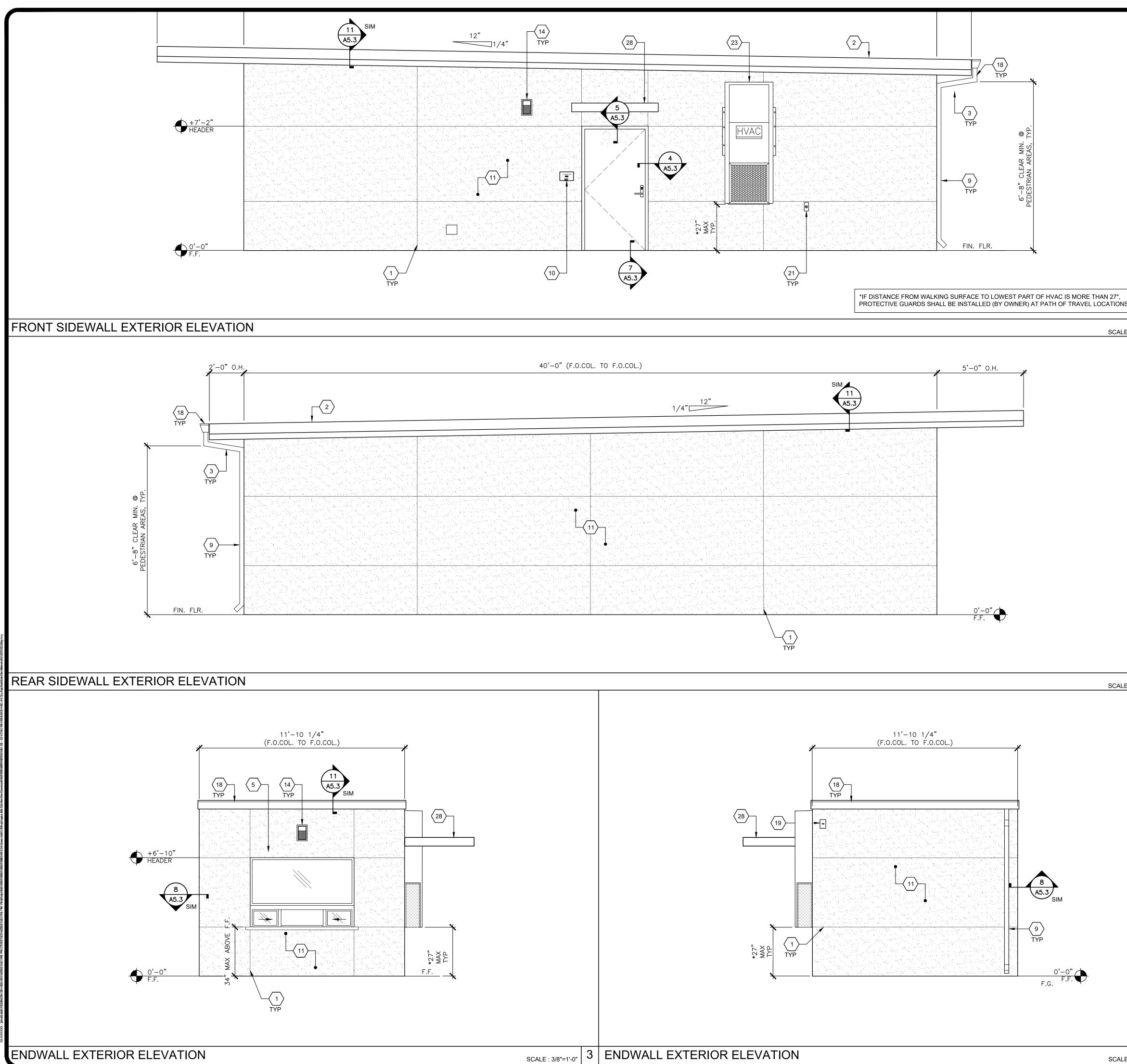
WATER HEATER - REFER TO P1.0 & P2.0



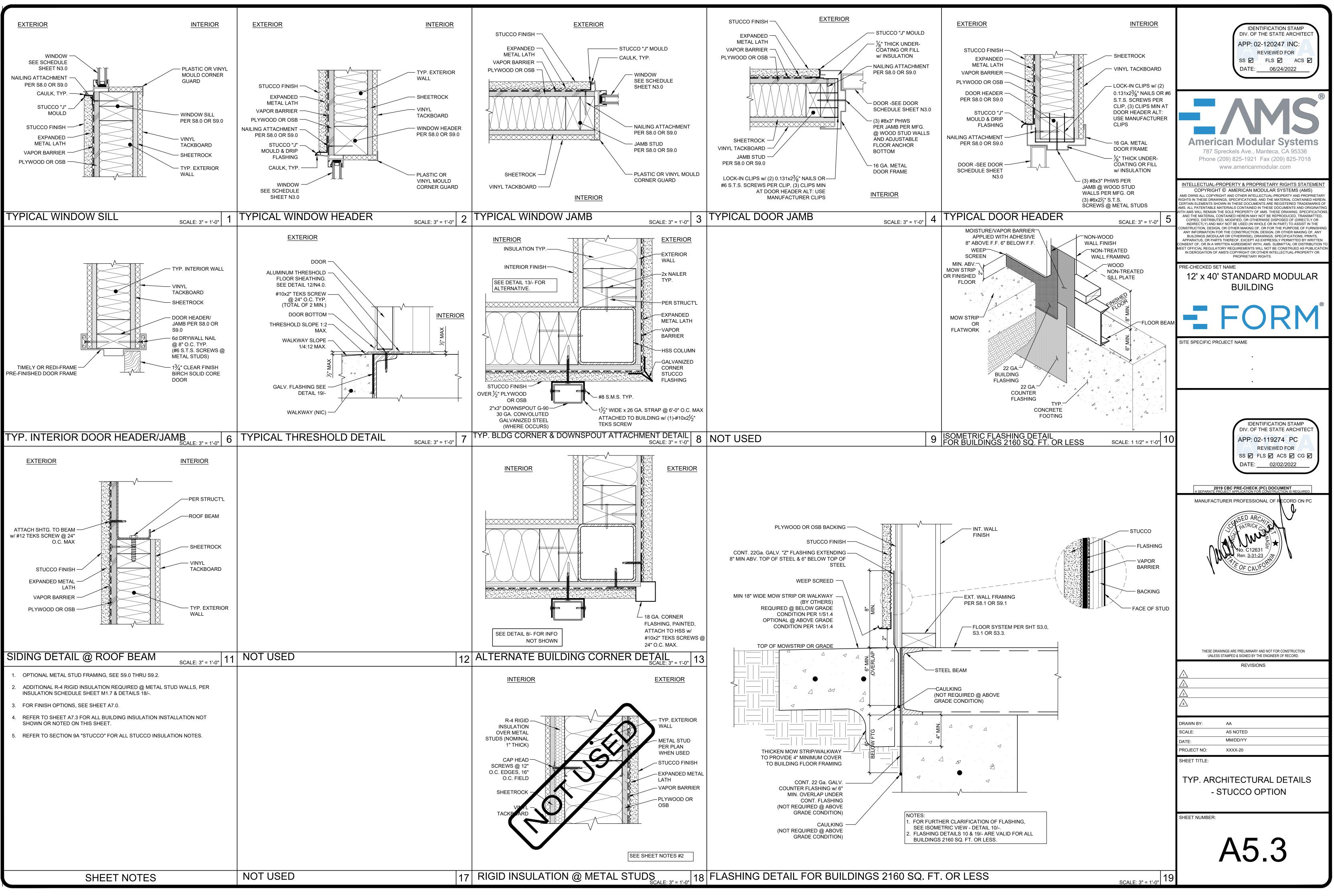
	$\begin{array}{c} +9^{\circ}0^{\circ}\\ \hline \\ NOMINAL\\ HEIGH\\ \hline \\ +7^{\circ}2^{\circ}\\ \hline \\ +7^{\circ}2^{\circ}\\ \hline \\ HEADER\\ \hline \\ \hline$	$ \begin{array}{c}                                     $	• 0°-0°       NOMINAT       HEIGHT
UNISEX R.R. WALL ELEVATION SCALE: 1/4"=1'-0"	UNISEX R.R. WALL ELEVATION SCALE: 1/4"=1'-0" 2	UNISEX R.R. WALL ELEVATION	3 UNISEX R.R. WALL ELEVATION SCALE: 1/4"=1'-0" 4
NOT USED 5	5 NOT USED 6	NOT USED 7	NOT USED 8
		NOT LISED	
	9	NOT USED	10
NOT USED 12	2 NOT USED 13	NOT USED 1	4 NOT USED 15

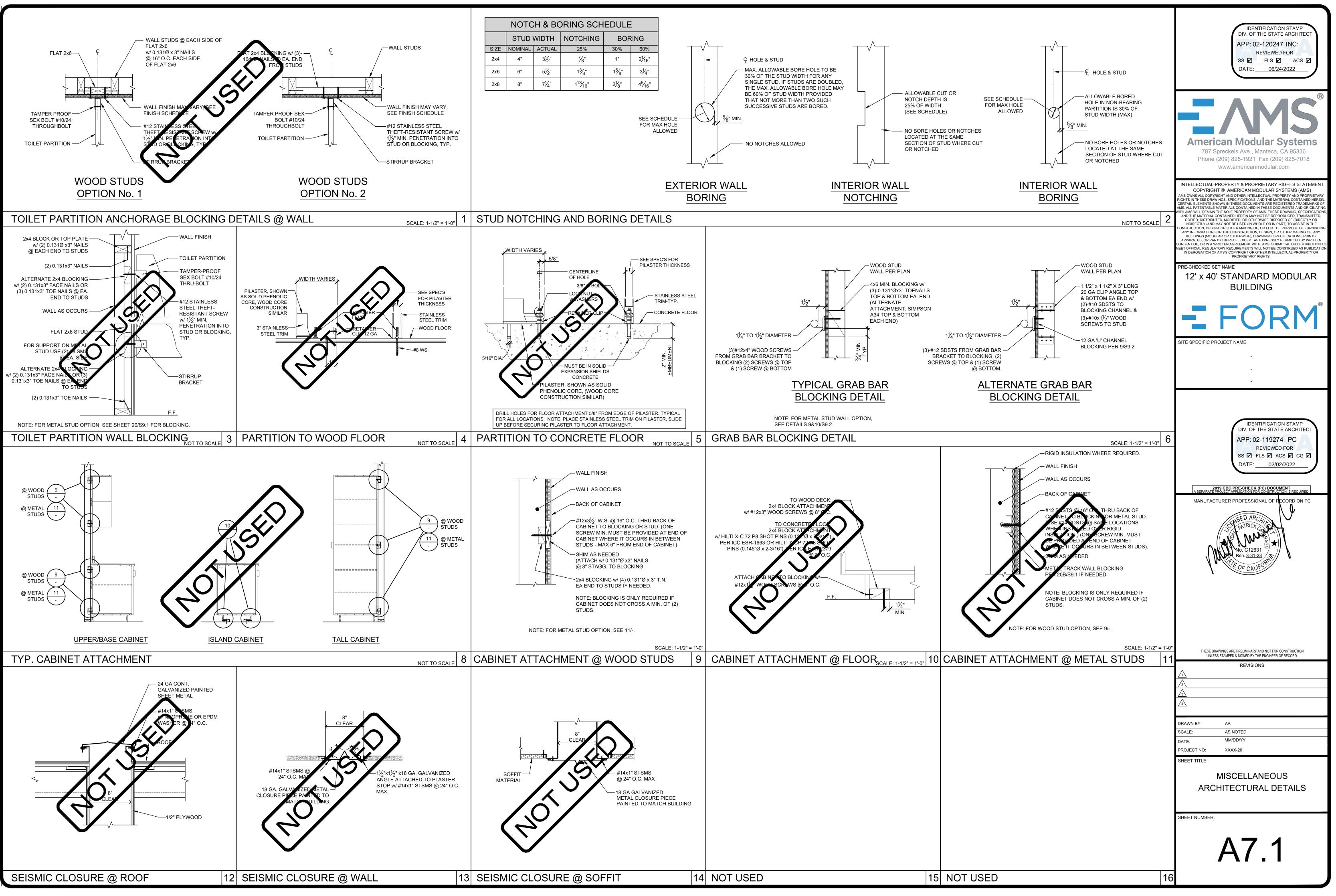
NOTOGED					
NOT USED	12	NOT USED			

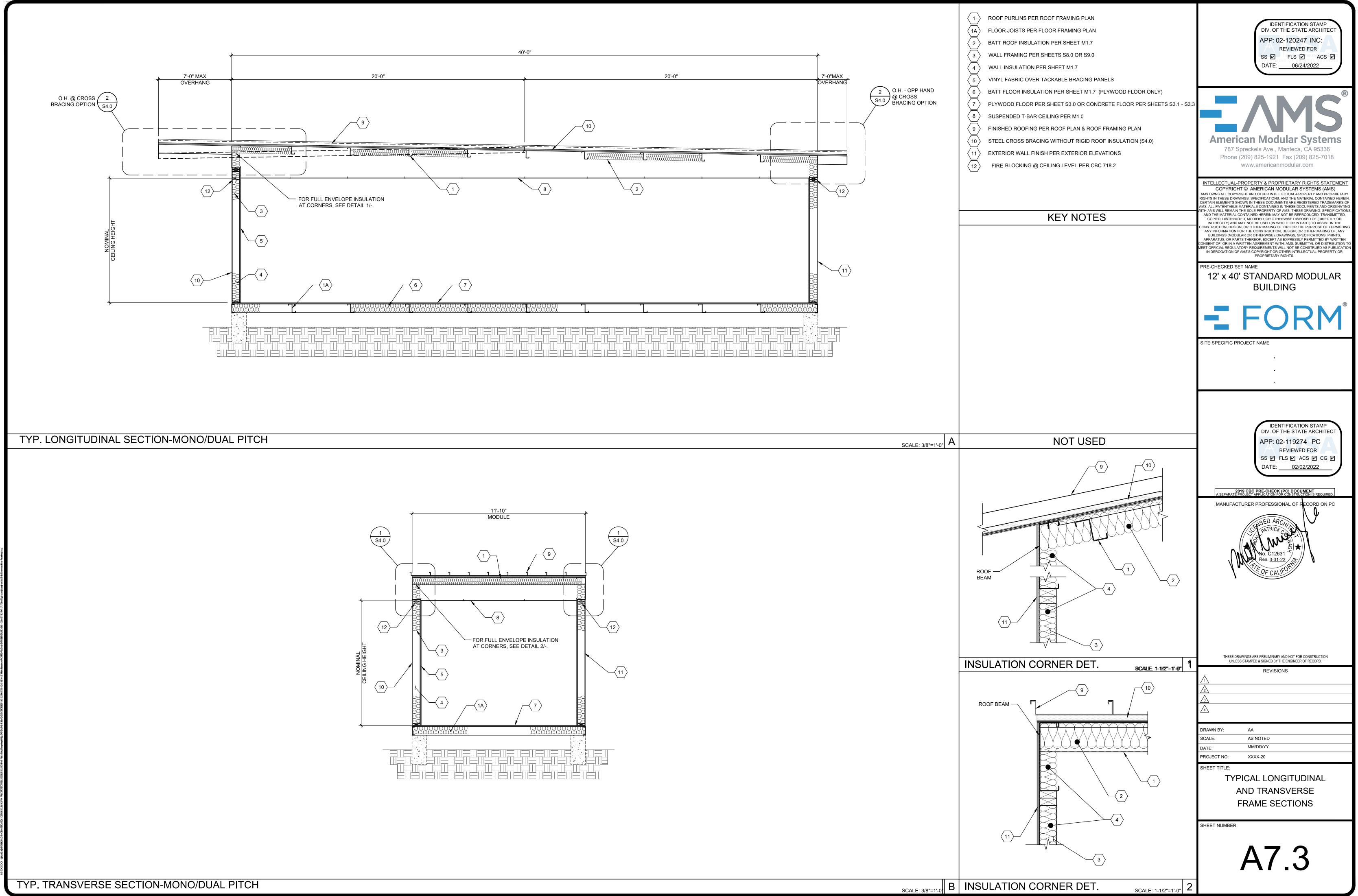
	<ul> <li>TYPICAL DOOR</li> <li>F.R.P. (FIBER REINFORCED PLASTIC) - SHALL BE CLASS C RATED (ASTM E-84) EMBOSSED &amp; SMOOTH INTERIOR WALL PANELS. NOMINAL PANELS. NOMINAL PANEL THICKNESS SHALL BE ± 0.090 - PANEL SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES.</li> <li>6" TOP SET BASE - REFER TO DETAIL 5/A1.2</li> <li>ACCESSIBLE TOILET - SEE DETAIL 14/P2.0</li> <li>HORN/STROBE J-BOX - SEE ELECTRICAL SHEETS</li> <li>IIGHT SWITCH - SEE ELECTRICAL SHEETS</li> <li>TOILET PAPER DISPENSER MOUNT PER P1.0</li> <li>TYP. GFCI OUTLET - SEE ELECTRICAL SHEETS</li> <li>GRAB BAR - SEE DETAIL 6/A7.1</li> <li>ACCESSIBLE URINAL - SEE DETAIL 15/P2.0</li> <li>TOILET SEAT COVER DISPENSER MOUNT PER P1.0</li> <li>ACCESSIBLE LAVATORY - SEE DETAIL 17/P2.0</li> </ul>	Internet
1	<ul> <li>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)</li> <li>TYP. MIRROR (19<sup>#</sup> MAX. WEIGHT) - SEE DETAIL 17/P2.0</li> <li>WINDOW - SEE SPEC'S</li> </ul>	INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS) AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIDECTLY) AND MAY NOT BE (ED (IN WOLL OR IN DAPPT) TO ASSIST IN THE
	NOTE: FOR ACCESSIBLE FIXTURES & ACCESSORIES MOUNTING HEIGHT REQUIREMENTS (PER CBC CHAPTER 11B), SEE SHEET P2.0, DETAIL 10. AGE 13 THRU ADULT IS DEPICTED.	INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS. PRE-CHECKED SET NAME 12' X 40' STANDARD MODULAR
		E FORM®
		SITE SPECIFIC PROJECT NAME CORCORAN JOINT USD KINGS LAKE EDUCATION CENTER (1) 12'x40' BUILDING
,	KEY NOTES	
		<b>2019 CBC PRE-CHECK (PC) DOCUMENT</b> A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
		MANUFACTURER PROFESSIONAL OF RECORD ON PC
0	NOT USED 11	THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD. REVISIONS
		DRAWN BY: ABD SCALE: AS NOTED DATE: 04/25/21 PROJECT NO: 1663-21
		SHEET TITLE: INTERIOR ELEVATIONS RESTROOM OPTIONS
5	NOT USED 16	SHEET NUMBER:
อ	NOT USED 16	

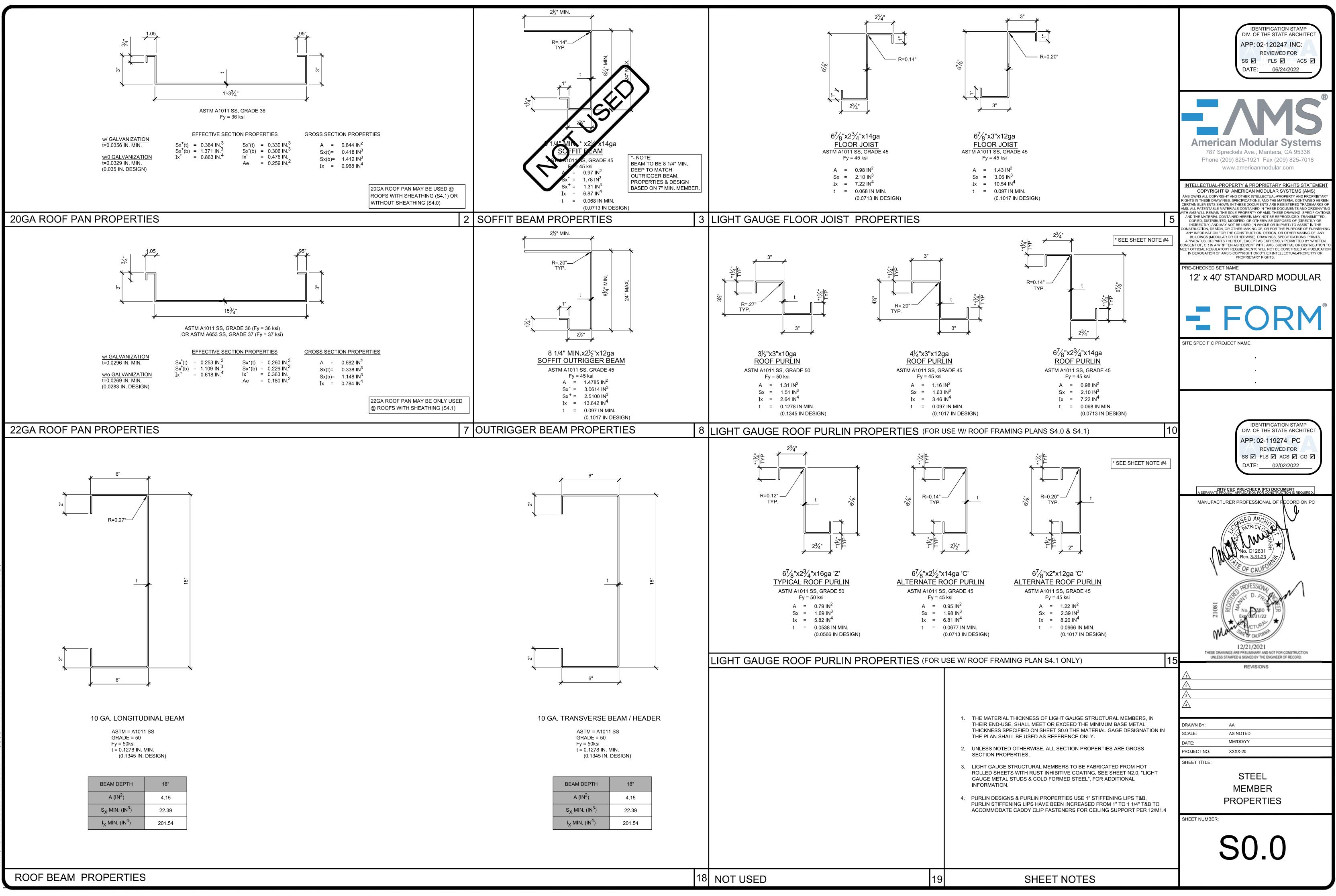


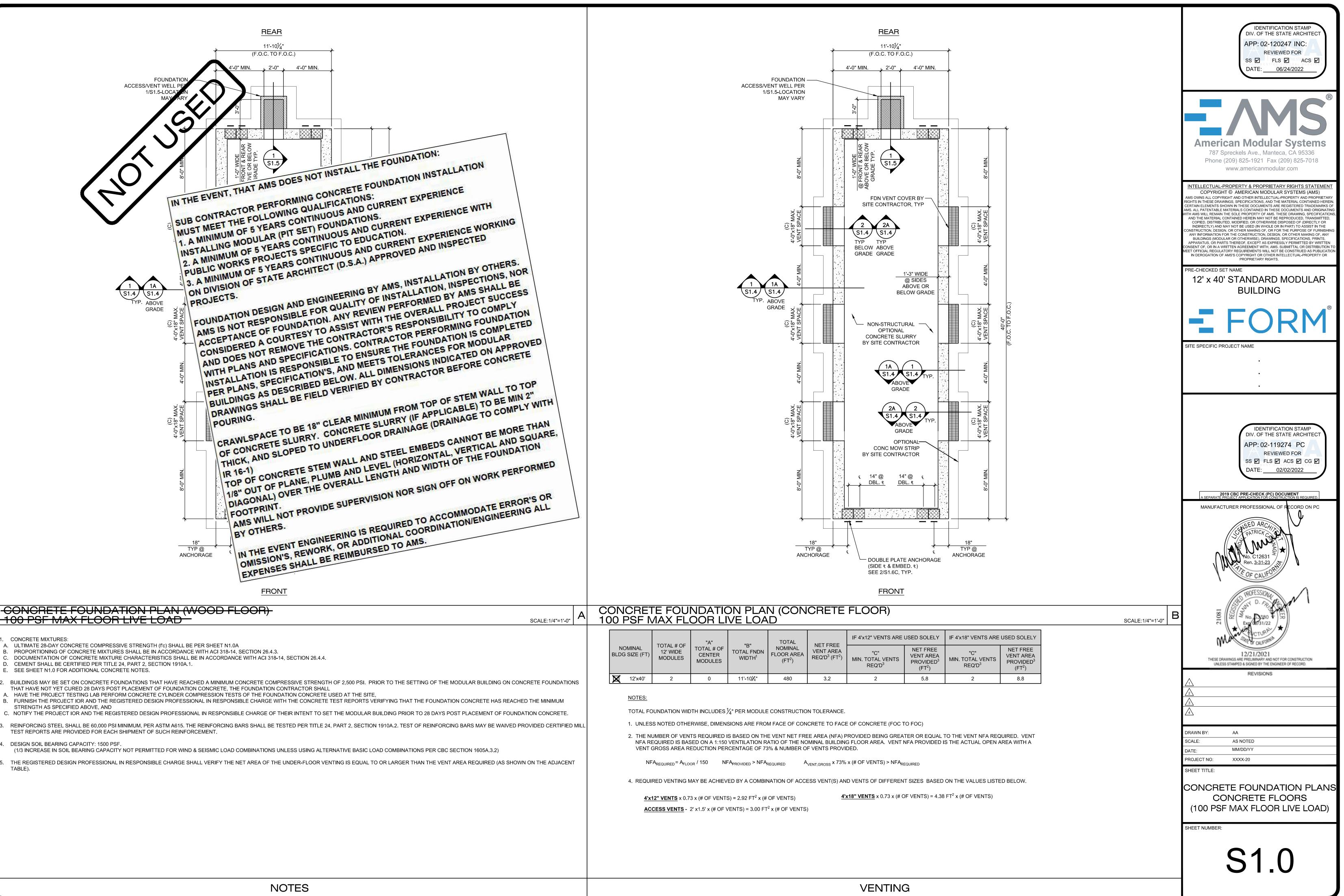
	$\langle 1 \rangle$ control joint (location may vary)	
	$\left< \begin{array}{c} \\ \end{array} \right>$ standing seam metal roofing	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
	$\sqrt{3}$ Overhang – (see structural)	APP: 02-120247 INC:
		REVIEWED FOR
	$\left\langle 4 \right\rangle$ TYP EXTERIOR DOOR – (SEE SCHEDULE)	SS 🗹 FLS 🗹 ACS 🗹
	$\left< 5 \right>$ window – (see schedule)	DATE: <u>06/24/2022</u>
	6 NOT USED	
		R
	8 NOT USED	
	9 DOWNSPOUT SEE DETAIL 8/A5.3 FOR ATTACHMENT	
	$\langle 10 \rangle$ ROOM ID AND ISA SIGNAGE (BY OTHER) SEE DETAILS 1–9/N4.0 – TYP.	
		American Modular Systems
	(11) STUCCO FINISH SITE APPLIED BY STE CONTRACTOR	787 Spreckels Ave., Manteca, CA 95336 Phone (209) 825-1921 Fax (209) 825-7018
	(12) NOT USED	www.americanmodular.com
	(13) NOT USED	
	$\langle 14 \rangle$ Exterior light – (see electrical)	INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
	(15) NOT USED	AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN.
	(16) NOT USED	CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS,
	(17) NOT USED	AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR
		INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY
	$\langle 18 \rangle$ GUTTER – (SEE SHEET 5/A2.1)	BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN
IS.	(19) MODULAR IDENTIFICATION TAG +90" ABOVE A.F.F.	CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR
	$\langle 20 \rangle$ Fire alarm horn – (refer to electrical plans)	PROPRIETARY RIGHTS.
_E : 3/8"=1'-0" <b>1</b>	$\langle 21 \rangle$ WP/G.F.C.I. @ HVAC UNITS – (REFER TO ELECTRICAL	
<u> </u>	PLANS)	12' x 40' STANDARD MODULAR
	- 22 DUAL SLOPE OPTION	BUILDING
	23 HVAC UNIT	®
		<b>–</b> FORM
	25 SHEET METAL FLASHING PAINTED BODY COLOR	
	26 NOT USED	SITE SPECIFIC PROJECT NAME
	27 OPTIONAL DOOR MAY OCCUR	CORCORAN JOINT USD
	$\langle 28 \rangle$ awning – see sheet s5.4A	KINGS LAKE EDUCATION CENTER
		(1) 12'x40' BUILDING
		2019 CBC PRE-CHECK (PC) DOCUMENT A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
		MANUFACTURER PROFESSIONAL OF RECORD ON PC
		CSUSED ARCHIA
		S PATINICA CONTRACTOR
		No. C12631 <sup>±</sup> Ren. <u>3-31-23</u>
<b>E</b> 1 01 <b>2</b>		MAX
_E : 3/8"=1'-0"		FOF CALIFOT
		THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.
		REVISIONS
		$\frac{2}{3}$
		$\frac{23}{4}$
		DRAWN BY: ABD
		SCALE: AS NOTED
		DATE: 04/25/21
		PROJECT NO: 1663-21
		SHEET TITLE:
		TYP. EXTERIOR ELEVATIONS
		TYP. EXTERIOR ELEVATIONS - STUCCO OPTION
		- STUCCO OPTION
		- STUCCO OPTION SHEET NUMBER:
		- STUCCO OPTION SHEET NUMBER:
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		- STUCCO OPTION SHEET NUMBER:
.E : 3/8"=1'-0" 4	KEY NOTES	- STUCCO OPTION SHEET NUMBER:

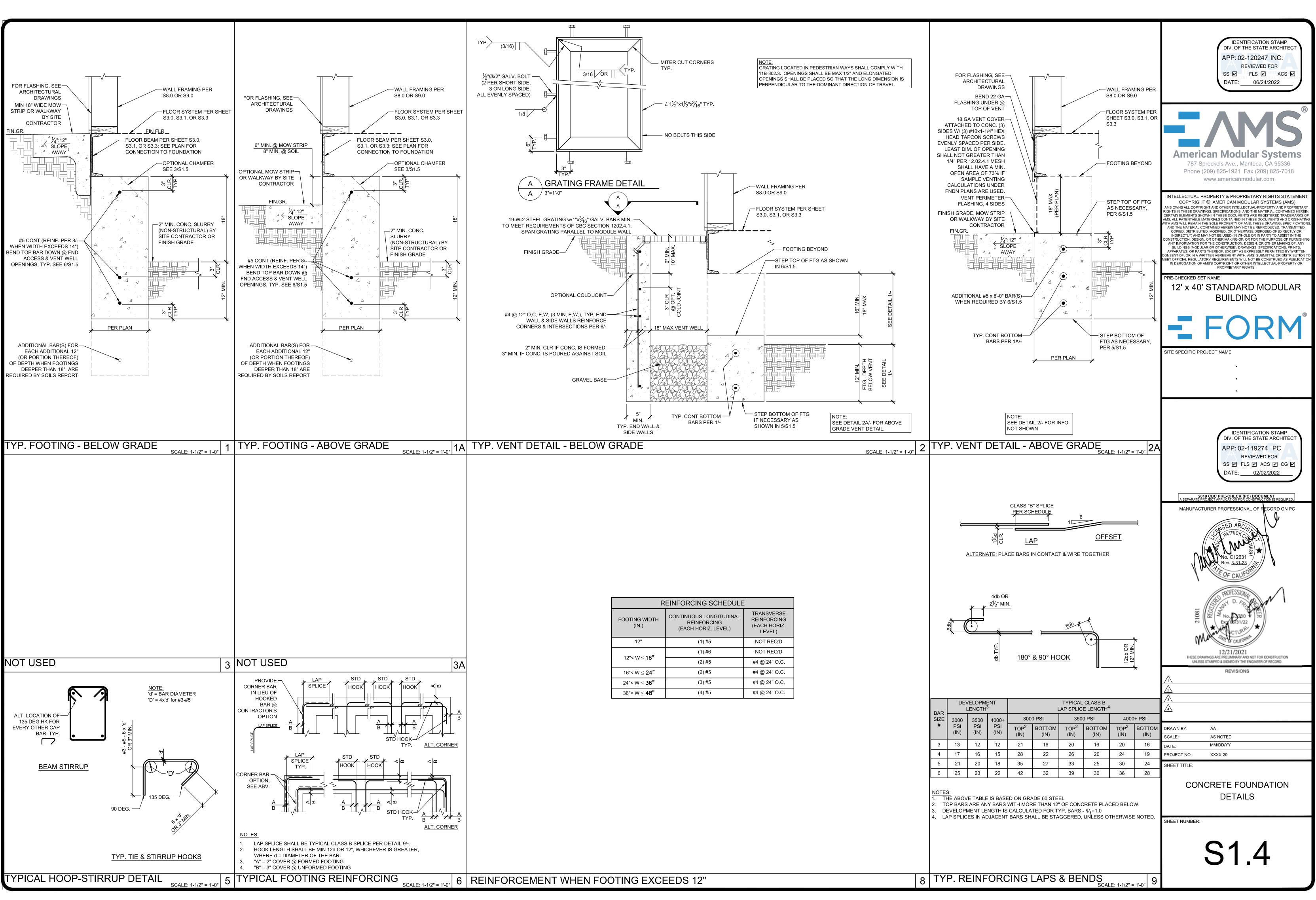


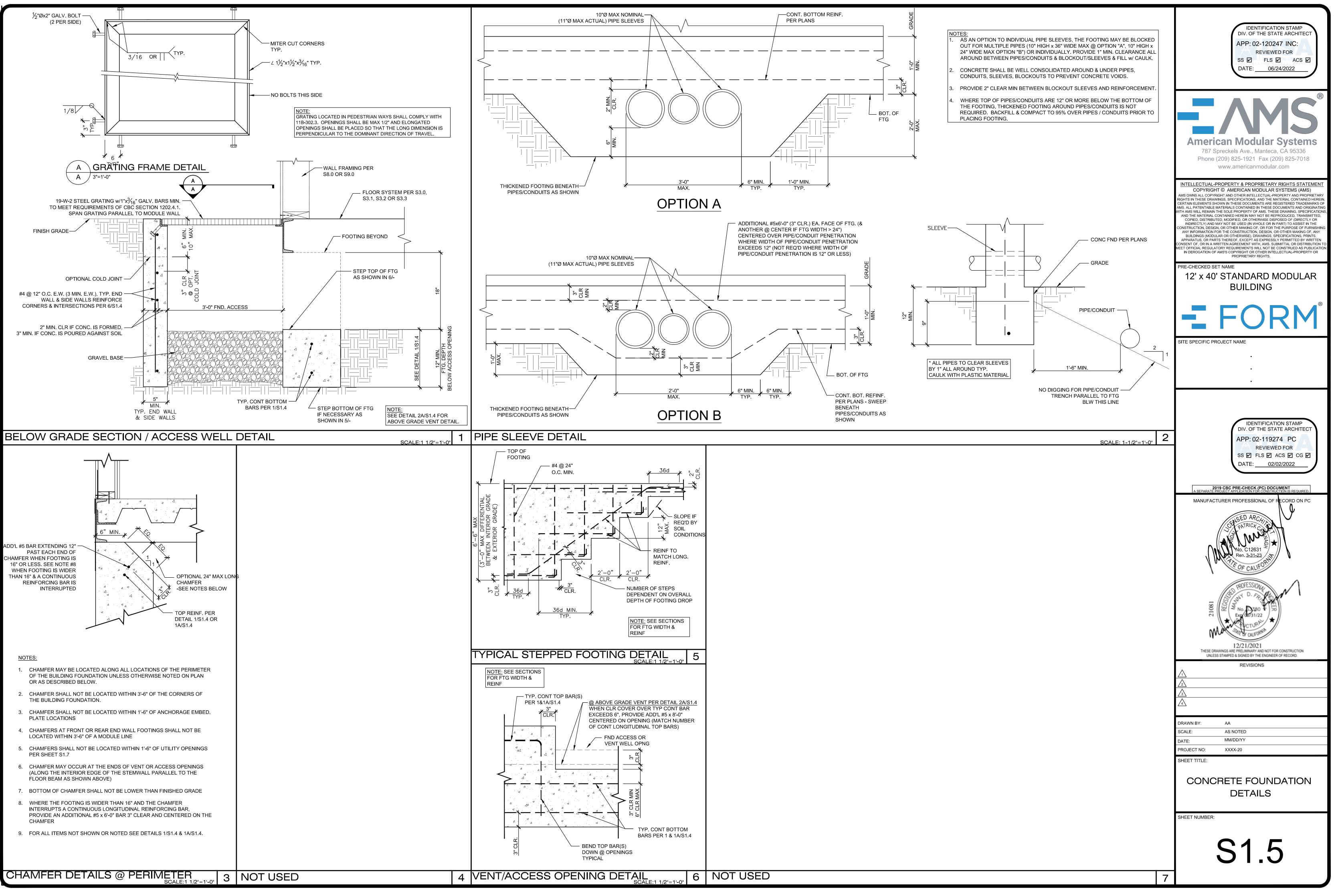


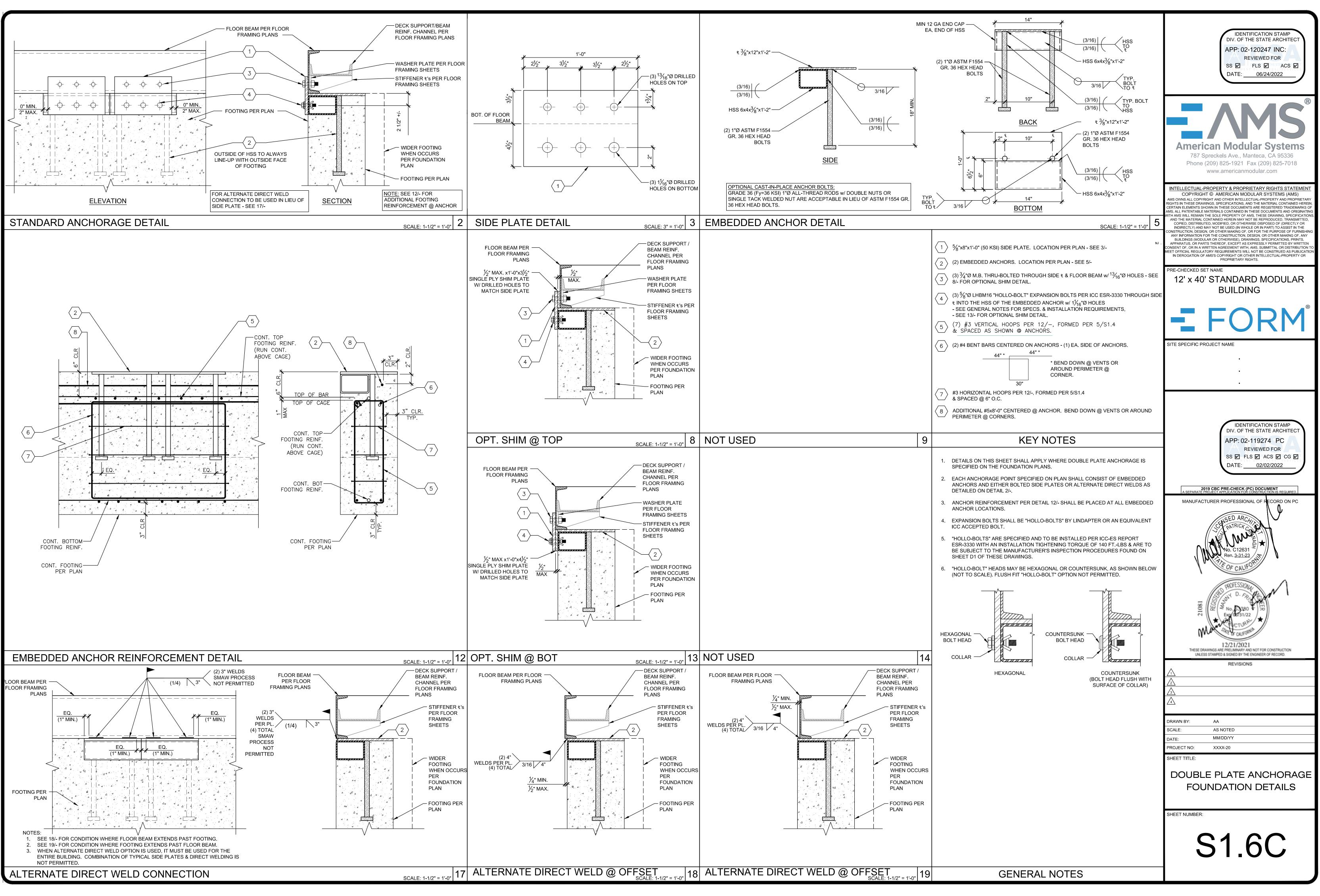


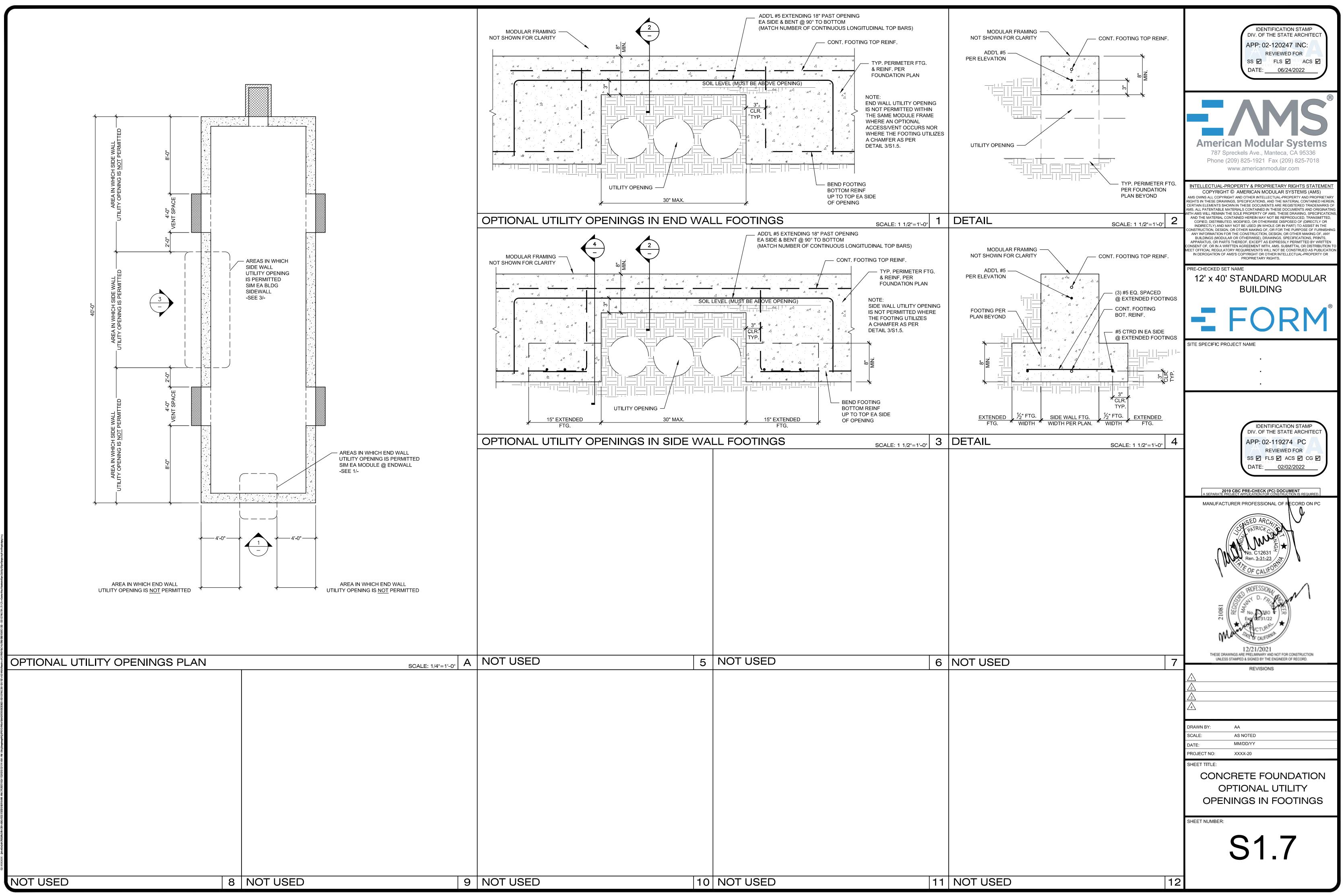


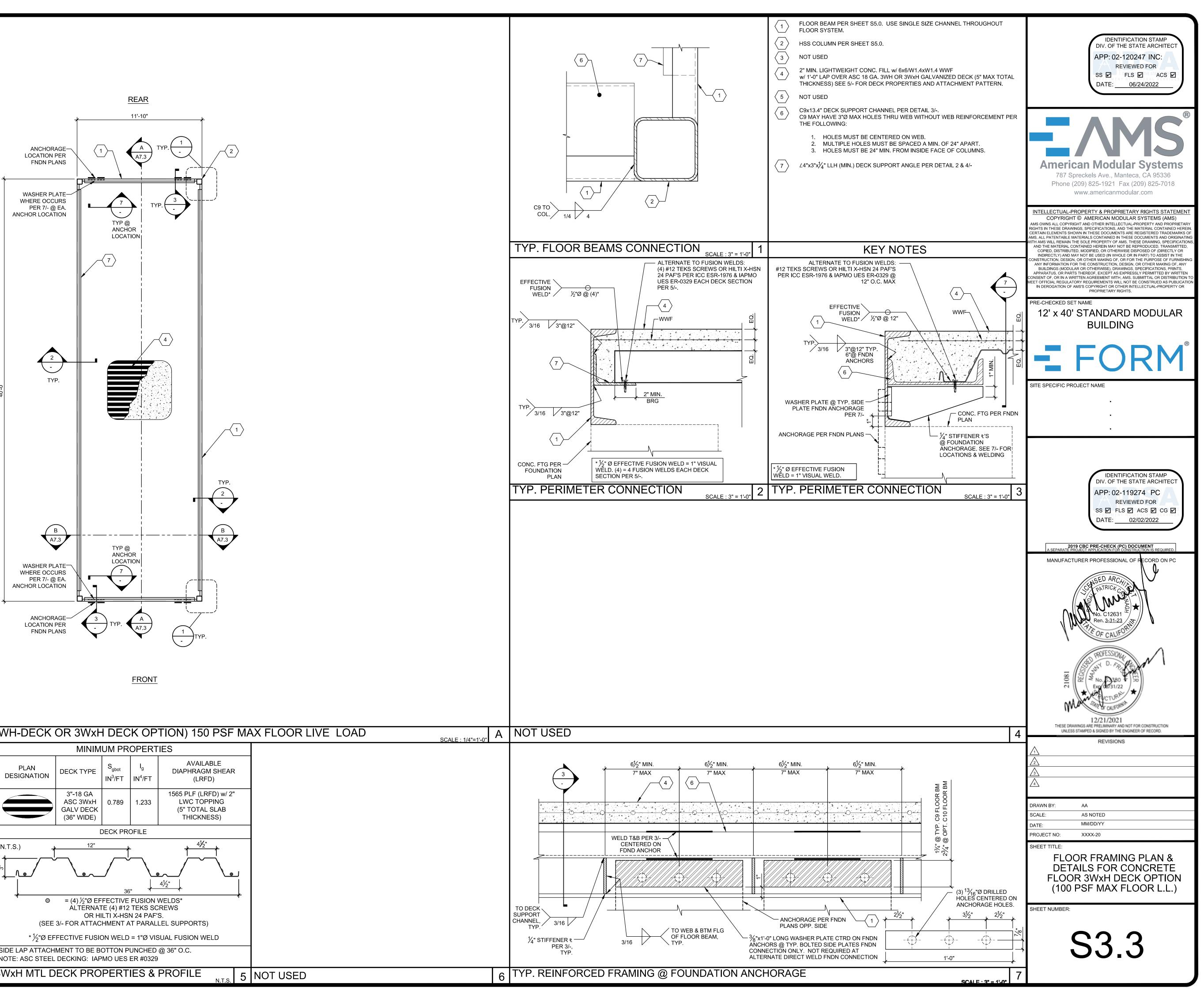


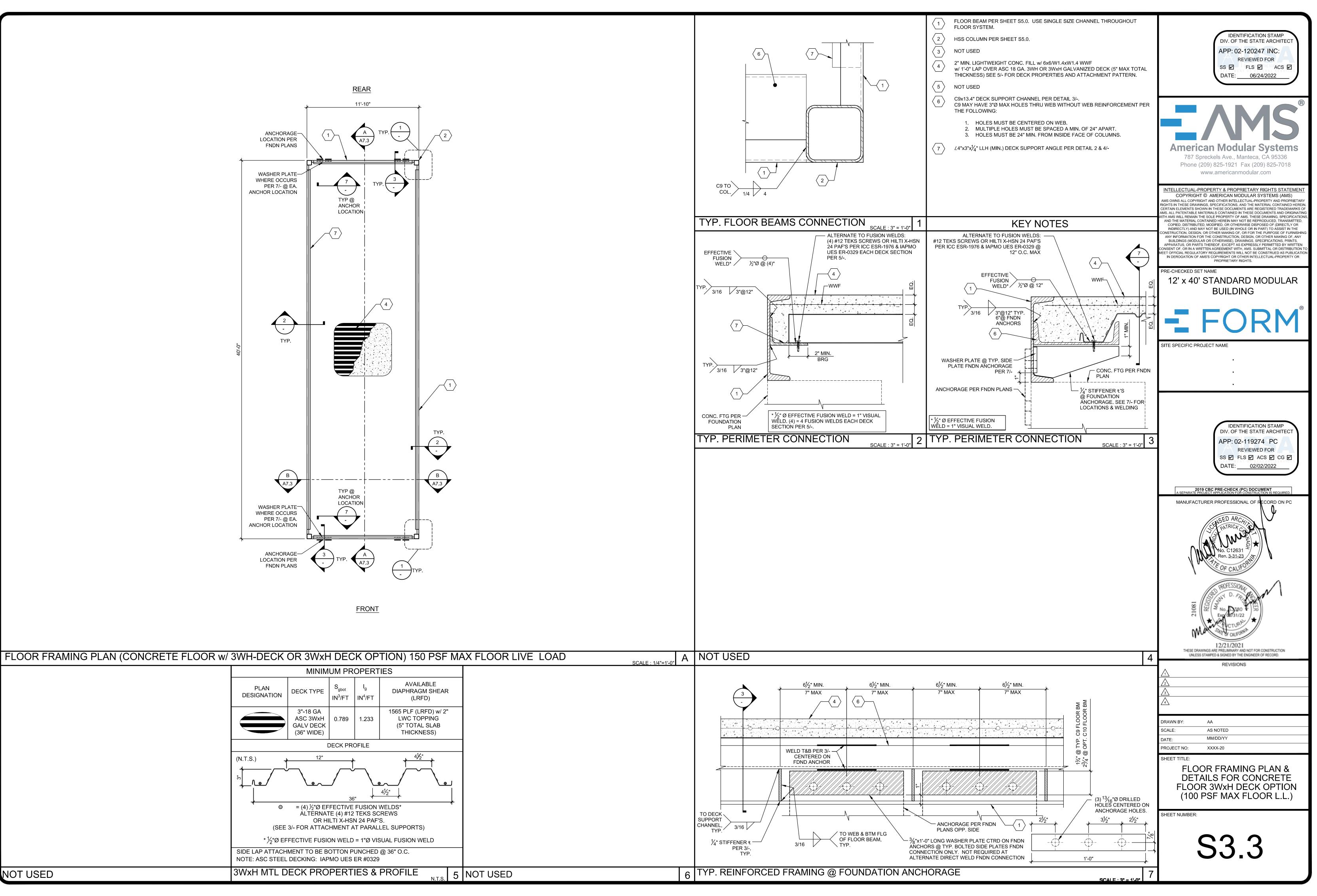


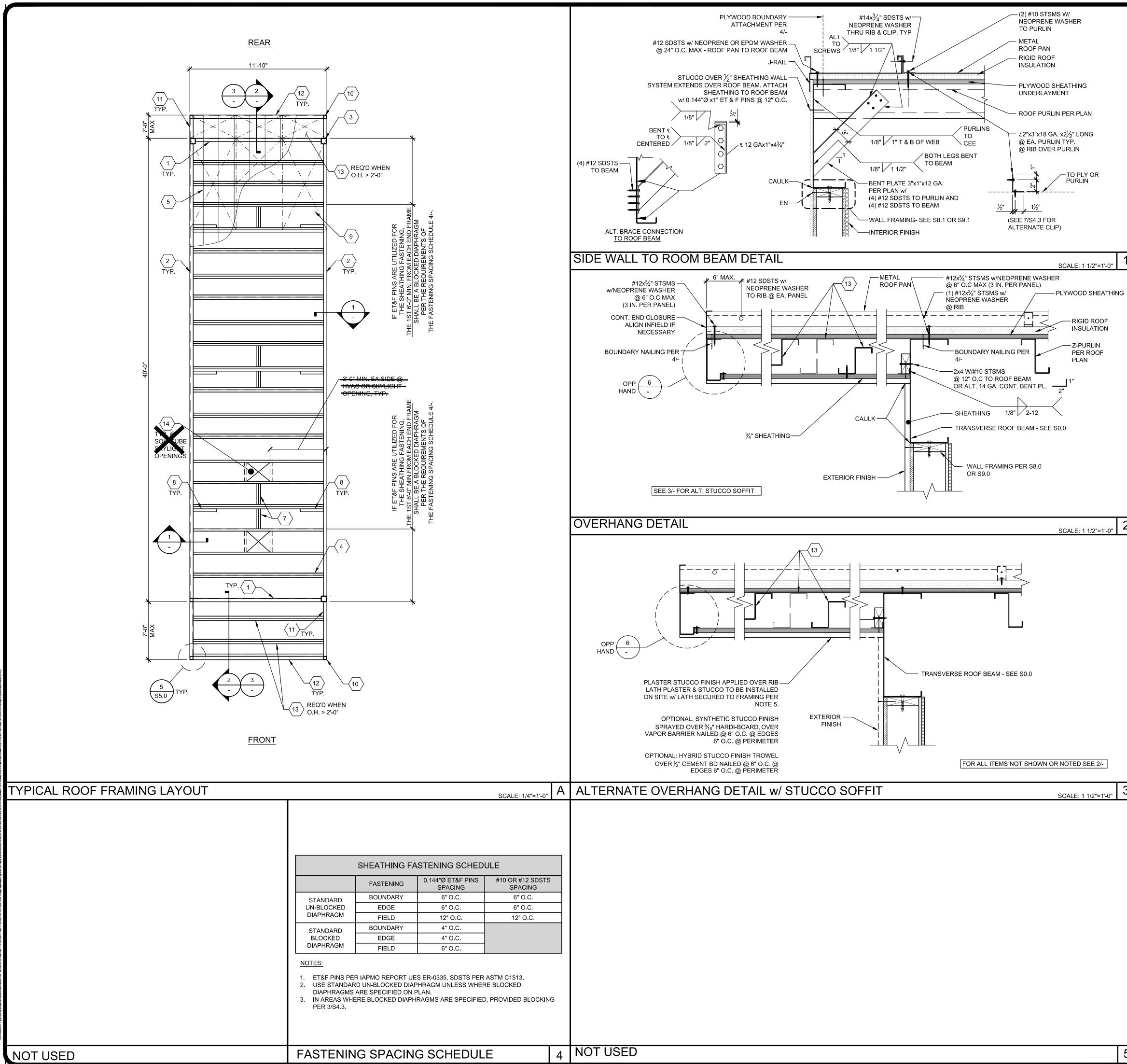




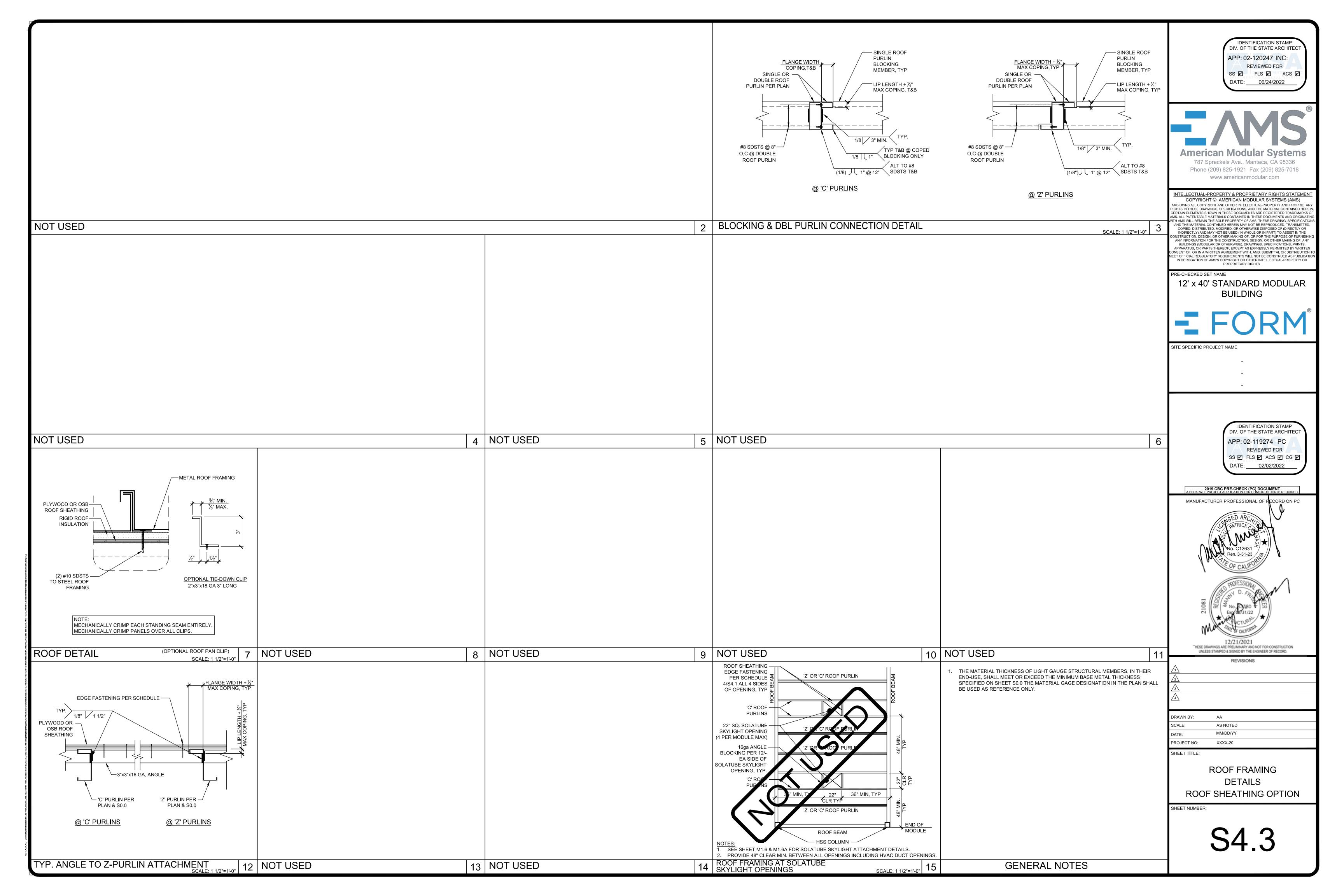


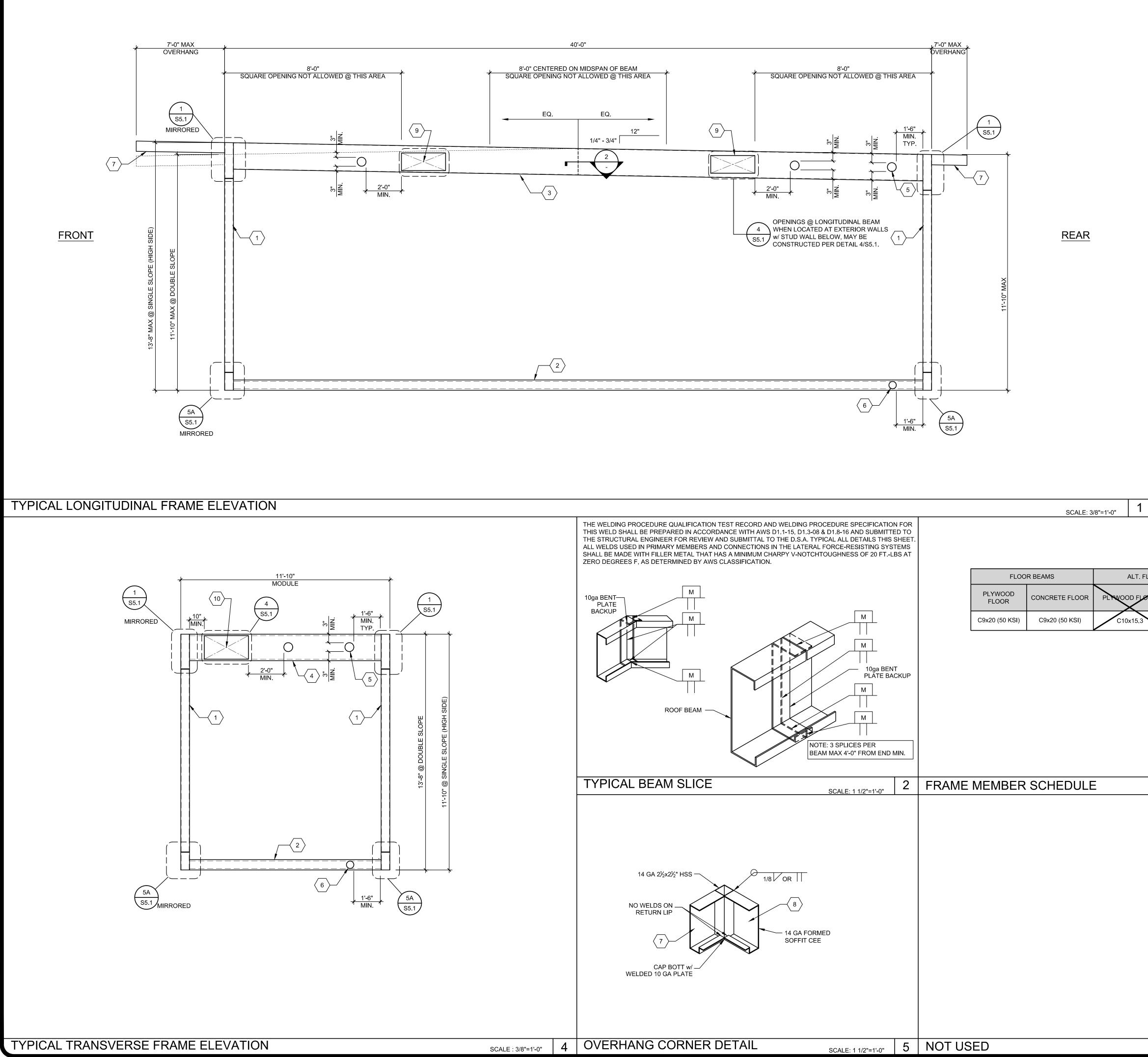




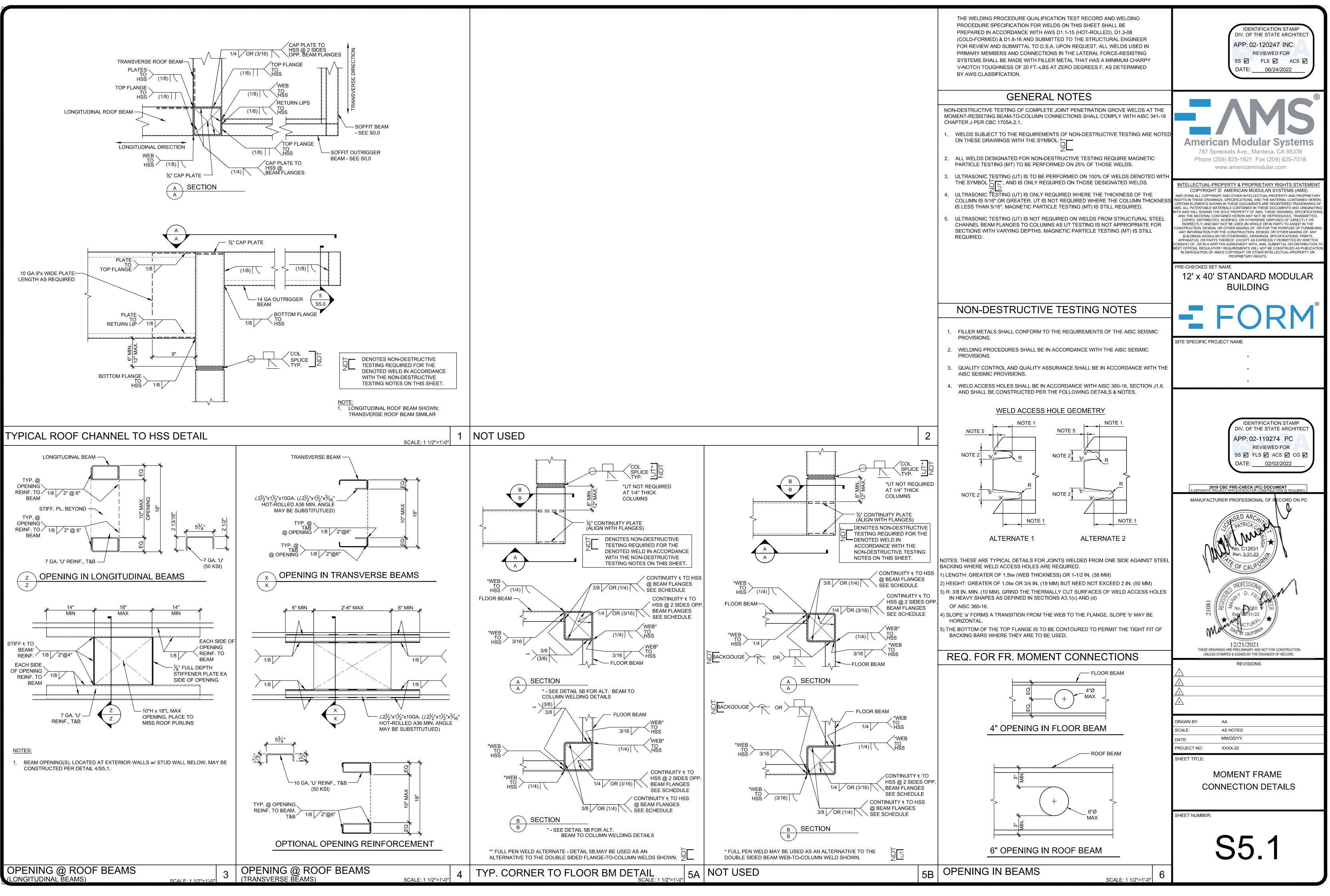


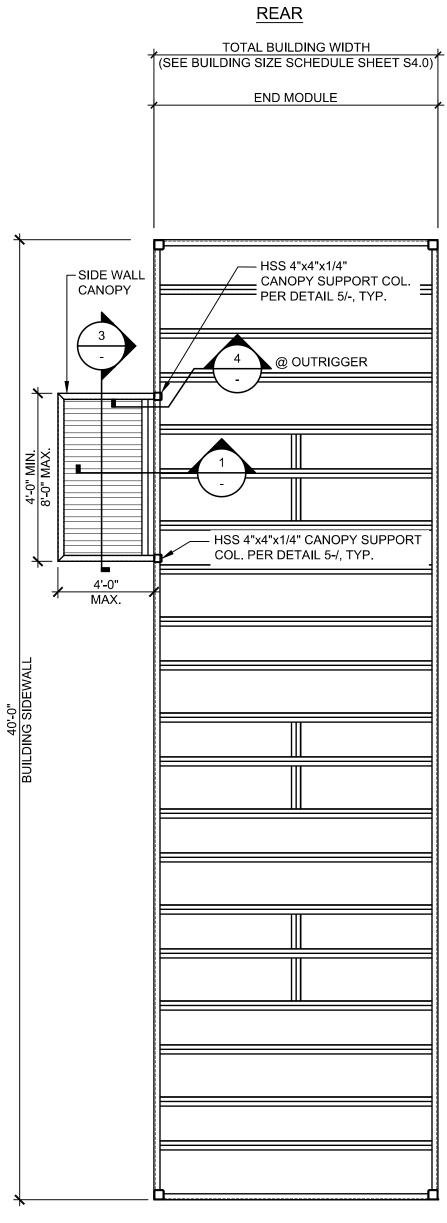
1       TRANSVERSE ROOF BEAM PER SHEET S5.0.         2       LONGITUDINAL ROOF BEAM PER SHEET S5.0.         3       HSS COLUMN PER SHEET S5.0.         4       ROOF PURLINS @ 24" O.C. MAX. -SEE SHEET S0.0 (USE 'C' PURLINS @ OPT. SOLUTUBE SKYLIGHT OPENINGS PER 14 BELOW)         5       20 GA. OR 22 GA. METAL ROOF PAN - SEE SHEET S0.0.         6       NOT USED         7       MID-SPAN PURLIN BLOCKING WELD TO ROOF PURLINS PER DETAIL 3/S4.3	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
<ul> <li>HSS COLUMN PER SHEET S5.0.</li> <li>ROOF PURLINS @ 24" O.C. MAX. -SEE SHEET S0.0 (USE 'C' PURLINS @ OPT. SOLUTUBE SKYLIGHT OPENINGS PER 14 BELOW)</li> <li>20 GA. OR 22 GA. METAL ROOF PAN - SEE SHEET S0.0.</li> <li>NOT USED</li> </ul>	DIV. OF THE STATE ARCHITECT
<ul> <li>ROOF PURLINS @ 24" O.C. MAX. -SEE SHEET S0.0 (USE 'C' PURLINS @ OPT. SOLUTUBE SKYLIGHT OPENINGS PER 14 BELOW)</li> <li>20 GA. OR 22 GA. METAL ROOF PAN - SEE SHEET S0.0.</li> <li>NOT USED</li> </ul>	
<ul> <li>-SEE SHEET S0.0 (USE 'C' PURLINS @ OPT. SOLUTUBE SKYLIGHT OPENINGS PER 14 BELOW)</li> <li>20 GA. OR 22 GA. METAL ROOF PAN - SEE SHEET S0.0.</li> <li>NOT USED</li> </ul>	
<ul> <li>-SEE SHEET S0.0 (USE 'C' PURLINS @ OPT. SOLUTUBE SKYLIGHT OPENINGS PER 14 BELOW)</li> <li>20 GA. OR 22 GA. METAL ROOF PAN - SEE SHEET S0.0.</li> <li>NOT USED</li> </ul>	APP: 02-120247 INC: REVIEWED FOR
5       20 GA. OR 22 GA. METAL ROOF PAN - SEE SHEET S0.0.         6       NOT USED	
	DATE: <u>06/24/2022</u>
Image: Comparison of the second state of the seco	
T MID-SPAN PURLIN BLOCKING WELD TO ROOF PURLINS PER DETAIL 3/S4.3	
BLOCKING IS REQUIRED AT PURLINS WITH DIAGONAL BEAM BRACING AT EXTERIOR SIDE WALLS PER $\sqrt{\frac{1}{8}}$ BELOW.	
	an Modular Systems
PROVIDE BRACES @ 8'-0" FROM HSS COLUMNS & (2) BRACES	eckels Ave., Manteca, CA 95336 09) 825-1921 Fax (209) 825-7018
	/ww.americanmodular.com
	OPERTY & PROPRIETARY RIGHTS STATEMENT © AMERICAN MODULAR SYSTEMS (AMS)
9 32/16 SPAN RATING. PLYWOOD SHALL BE 5 PLY CONFORMING TO PS 1-09 OR PS RIGHTS IN THESE DRAWIN	HT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY GS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN.
OR OSB SHALL BE EITHER T&G OR EDGE CLIPPED AT UNSUPPORTED EDGES.	VN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF TERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING E SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS,
STAGGER SHEETS 48" O.C. AS SHOWN W/ FACE GRAIN PERPENDICULAR TO ROOF PURLINS 2 SPANS MIN 24" MIN WIDTH ALL BOUNDARY EDGE & FIELD COPIED, DISTRIBUTED	ITAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, D, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR
ATTACHMENTS SHALL BE 3/8" MIN. FROM EDGE OF OSB OR PLYWOOD & EDGE CONSTRUCTION, DESIGN,	Y NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY
FASTENING. BUILDINGS (MODULA APPARATUS, OR PARTS	R OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN TEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO
MEET OFFICIAL REGULATO IN DEROGATION OF AP	RY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR
$10$ $2\frac{1}{2}$ " SQ. HSS SOFFIT COLUMN - SEE 5/S5.0.	PROPRIETARY RIGHTS.
$\begin{array}{c} \hline \\ \hline \\ 11 \end{array}$ SOFFIT OUTRIGGER BEAM - SEE S0.0 PRE-CHECKED SET	
$12^{\circ} \times 40^{\circ}$	
	BUILDING
MAY BE ACHIEVED WITH FULL DEPTH PURLINS SUPPORTING ROOF	
SHEATHING & SOFFIT SHEATHING OR BY SEPARATE SMALLER JOISTS @ EACH LEVEL MAINTAINING MAX SPACING AT EACH LEVEL	FORM
PROVIDE SINGLE 'C' ROOF PURLINS AND 16ga ANGLE BLOCKING PER 12/S4.3 @	
OPTIONAL 22" SQ. SOLUTUBE SKYLIGHT OPENINGS, (4) SKYLIGHT OPENINGS	
SITE SPECIFIC PRO	JECT NAME
	IDENTIFICATION STAMP
KEY NOTES	DIV. OF THE STATE ARCHITECT
RET NOTES	APP: 02-119274 PC REVIEWED FOR
1. THE MATERIAL THICKNESS OF LIGHT GAUGE STRUCTURAL MEMBERS, IN THEIR	
END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED ON SHEET S0.0. THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL	DATE: <u>02/02/2022</u>
BE USED AS REFERENCE ONLY.	
2. SEE SHEET S8.0 & S9.0 FOR TYP. SIDE WALL FRAMING.	CBC PRE-CHECK (PC) DOCUMENT
	RER PROFESSIONAL OF RECORD ON PC
4. ALL FASTENERS THRU METAL ROOF PANEL SHALL BE INSTALLED w/ NEOPRENE	
WASHERS.	ENSED ARCHINA
5. FOR PLASTER STUCCO FINISH @ SOFFIT, LATH SHALL BE SECURED PER THE FOLLOWING (CBC 2507.3):	S PATRICK CRUE
SECURE LATH TO ALTERNATE SUPPORTS WITH TIES CONSISTING OF A	
DOUBLE STRAND OF NO. 18 W & M GAGE GALVANIZED ANNEALED WIRE AT ONE EDGE OF EACH SHEET OF LATH. WIRE TIES SHALL BE INSTALLED NOT	No. C12631
ONE EDGE OF EACH SHEET OF LATH. WIRE TIES SHALL BE INSTALLED NOT LESS THAN 3 INCHES (76MM) BACK FROM THE EDGE OF EACH SHEET AND SHALL BE LOOPED AROUND STRIPPING, OR ATTACHED TO A #8 SMS SCREW	Ren. <u>3-31-23</u>
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ONE EDGE OF EACH SHEET OF LATH. WIRE TIES SHALL BE INSTALLED NOT LESS THAN 3 INCHES (76MM) BACK FROM THE EDGE OF EACH SHEET AND SHALL BE LOOPED AROUND STRIPPING, OR ATTACHED TO A #8 SMS SCREW INTO EACH SIDE OF THE PURLIN - 2 INCHES (51MM) ABOVE THE BOTTOM OF THE PURLIN OR TO EACH END OF A #112 SMS DRIVEN HORIZONTALLY THROUGH THE PURLIN - 2 INCHES (51MM) ABOVE THE BOTTOM OF THE PURLIN AND THE ENDS OF THE WIRE SECURED TOGETHER WITH THREE TWISTS OF WIRE.	Ren. 3-31-23         Image: Contract of the construction in the engineer of record.         REVISIONS
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ONE EDGE OF EACH SHEET OF LATH. WIRE TIES SHALL BE INSTALLED NOT LESS THAN 3 INCHES (FOMM) BACK FROM THE EDGE OF EACH SHEET AND SHALL BE LOOPED AROUND STRIPPING, OR ATTACHED TO A #9 SMS SCREW INTO EACH SIDE OF THE PURLIN - 2 INCHES (STIMM) ABOVE THE BOTTOM OF THE PURLIN OR TO EACH END OF A #12 SMS BRIVEN HORIZONTALLY THROUGH THE PURLIN - 2 INCHES (STIMM) ABOVE THE BOTTOM OF THE PURLIN AND THE ENDS OF THE WIRE SECURED TOGETHER WITH THREE TWISTS OF WIRE.	AA AS NOTED MM/DD/YY XXXX-20
ONE EDGE OF EACH SHEET OF LATH. WIRE TIES SHALL BE INSTALLED NOT LESS THAN 3 INCHES (76MM) BACK FROM THE EDGE OF EACH SHEET AND SHALL BE LOPED ACOUND STRIPPING, OR ATTACHED TO A #0 SMS SCREW INTO EACH SIDE OF THE PURLIN - 2 INCHES (51MM) ABOVE THE BOTTOM OF THE PURLIN OR TO EACH END OF A #12 SMS BURVEN HORIZONTALLY THROUGH THE PURLIN - 2 INCHES (51MM) ABOVE THE BOTTOM OF THE PURLIN AND THE ENDS OF THE WIRE SECURED TOGETHER WITH THREE TWISTS OF WIRE.	AA AS NOTED MM/DD/YY XXXX-20 FRAMING PLAN
ONE EDGE OF EACH SHEET OF LATH. WIRE TIES SHALL BE INSTALLED NOT LESS THAN 3 INCHES (FORM) BACK FROM THE EDGE OF EACH SHEET AND SHALL BE LOOPED AROUND STRIPPING, OR ATTACHED TO A #9 SMS SCREW INTO EACH SIDE OF THE PURLIN - 2 INCHES (S1MM) ABOVE THE BOTTOM OF THE PURLIN OR TO EACH END OF A #12 SMS BINVEN HORIZONTALLY THROUGH THE PURLIN - 2 INCHES (S1MM) ABOVE THE BOTTOM OF THE PURLIN AND THE ENDS OF THE WIRE SECURED TOGETHER WITH THREE TWISTS OF WIRE.	AA AS NOTED MM/DD/YY XXXX-20
ONE EDGE OF EACH SHEET OF LATH. WIRE TIES SHALL BE INSTALLED NOT LESS THAN 3 INCHES (76MM) BACK FROM THE EDGE OF EACH SHEET AND SHALL BE LOOPED AROUND STRIPPING, OR ATTACHED TO A #8 SMS SCREW INTO EACH SIDE OF THE PURLIN - 2 INCHES (51MM) ABOVE THE BOTTOM OF THE PURLIN IN OR TO EACH END OF A #12 SMS DRIVEN HORIZONTALLY THROUGH THE PURLIN - 2 INCHES (51MM) ABOVE THE BOTTOM OF THE PURLIN AND THE ENDS OF THE WIRE SECURED TOGETHER WITH THREE TWISTS OF WIRE.	AA AS NOTED MM/DD/YY XXXX-20
ONE EDGE OF EACH SHEET OF LATH. WIRE THES SHALL BE INSTALLED NOT LESS THAN 31 NOHES (SMM) BACK FROM THE EDGE OF EACH SHEET AND SHALL BE LOOPED AROUND STRIPPING, OR ATTACHED TO A #9 SMS SCREW INTO EACH SIDE OF THE PURLIN - 2 INCHES (SIMM) ABOVE THE BOTTOM OF THE PURLIN NOR TO EACH END OF A #12 SMS DRIVEN HORIZONTALLY THROUGH THE PURLIN - 2 INCHES (SIMM) ABOVE THE BOTTOM OF THE PURLIN AND THE ENDS OF THE WIRE SECURED TOGETHER WITH THREE TWISTS OF WIRE.	AA AS NOTED MM/DD/YY XXX-20
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ONE EDGE OF EACH SHEET OF LATH. WIRE TIES SHALL BE INSTALLED NOT LESS THAN 3 NORKES (RAMM) BACK FROM THE EDGE OF EACH SHEET AND SHALL BE LOOPED AROUND STRIPPING, OR ATTACHED TO A #8 SMS SCREW INTO EACH SIDE OF THE PURLIN - 2 INCHES (SIMM) ABOVE THE BOTTOM OF THE PURLIN NOR TO EACH END OF A #12 SMS DRIVEN HORIZONTALLY THROUGH THE PURLIN - 2 INCHES (SIMM) ABOVE THE BOTTOM OF THE PURLIN AND THE ENDS OF THE WIRE SECURED TOGETHER WITH THREE TWISTS OF WIRE.	AA AS NOTED MM/DD/YY XXX-20





$ \begin{array}{c} 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 6 \\ 4 \\ 5 \\ 6 \\ 6 \\ 4 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	SS COLUMN - SEE SCHEDULE 3 & BELOW OOR BEAM - SEE SCHEDULE 3 & BELOW INGITUDINAL ROOF BEAM PER 18/S0.0. 20 MAX OPENING IN WEB OF FLOOR BEAM WITHOUT 1 NIMUM SPACING OF HOLES @ 48" O.C., HOLES MAY ( ONG LENGTH OF ROOF BEAM EXCEPT AS NOTED OT EVATION SEE 6/S5.1 DTE: IF HOLE IS 3" OR LESS, THEY MAY BE SPACED @ 20 MAX OPENING IN WEB OF FLOOR BEAM WITHOUT 1 NIMUM SPACING OF HOLES @ 48" O.C. HOLES MAY ( ONG LENGTH OF FLOOR BEAM EXCEPT AS NOTED O EVATION - SEE 6/S5.1. DTE: IF HOLE IS 2" OR LESS, THEY MAY BE SPACED @ 20 FIT OUTRIGGER BEAM AT ENCLOSED OVERHANG - 0.0 FOR PROPERTIES. DEFIT BEAM AT ENCLOSED OVERHANG - REFER TO D COPERTIES INGITUDINAL BEAM OPENING: FFER TO DETAIL 4/S5.1 FOR OPENING REINFORCEME ZE) ANSVERSE BEAM OPENING: FFER TO DETAIL 4/S5.1 FOR OPENING REINFORCEME ZE)	OCCUR @ ANY LOCATION THERWISE ON FRAMING @ 24" O.C. MINIMUM WEB REINFORCEMENT DCCUR @ ANY LOCATION DTHERWISE ON FRAMING @ 24" O.C. MINIMUM. - REFER TO DETAIL 1/S5.1 & DETAIL 1/S5.1 & S0.0 FOR ENT (10"x30" MAX OPENING ENT (10"x30" MAX OPENING	<text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text>
1	KEY NOTES		IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-119274 PC REVIEWED FOR SS ☑ FLS ☑ ACS ☑ CG ☑ DATE: 02/02/2022
FLOOR FI		TRANSVERSE NO GA.	A SEPARATE PROJECT APPLICATION FOR CONSTRUCTIONIS REQUIRED. MANUFACTURER PROFESSIONAL OF FECORD ON PC UNIT OF A STATE O
		6	ELEVATIONS & DETAILS





FRONT

- OPTIONAL SIDE WALL CANOPY MAY BE LOCATED ANYWHERE ALONG THE SIDEWALLS OF THE BUILDING.
- 2. WHEN PURLIN SPACING IS GREATER THAN 24" O.C., AN ADDITIONAL PURLIN
- SHALL BE ADDED @ EA. HSS SUPPORT COLUMN.

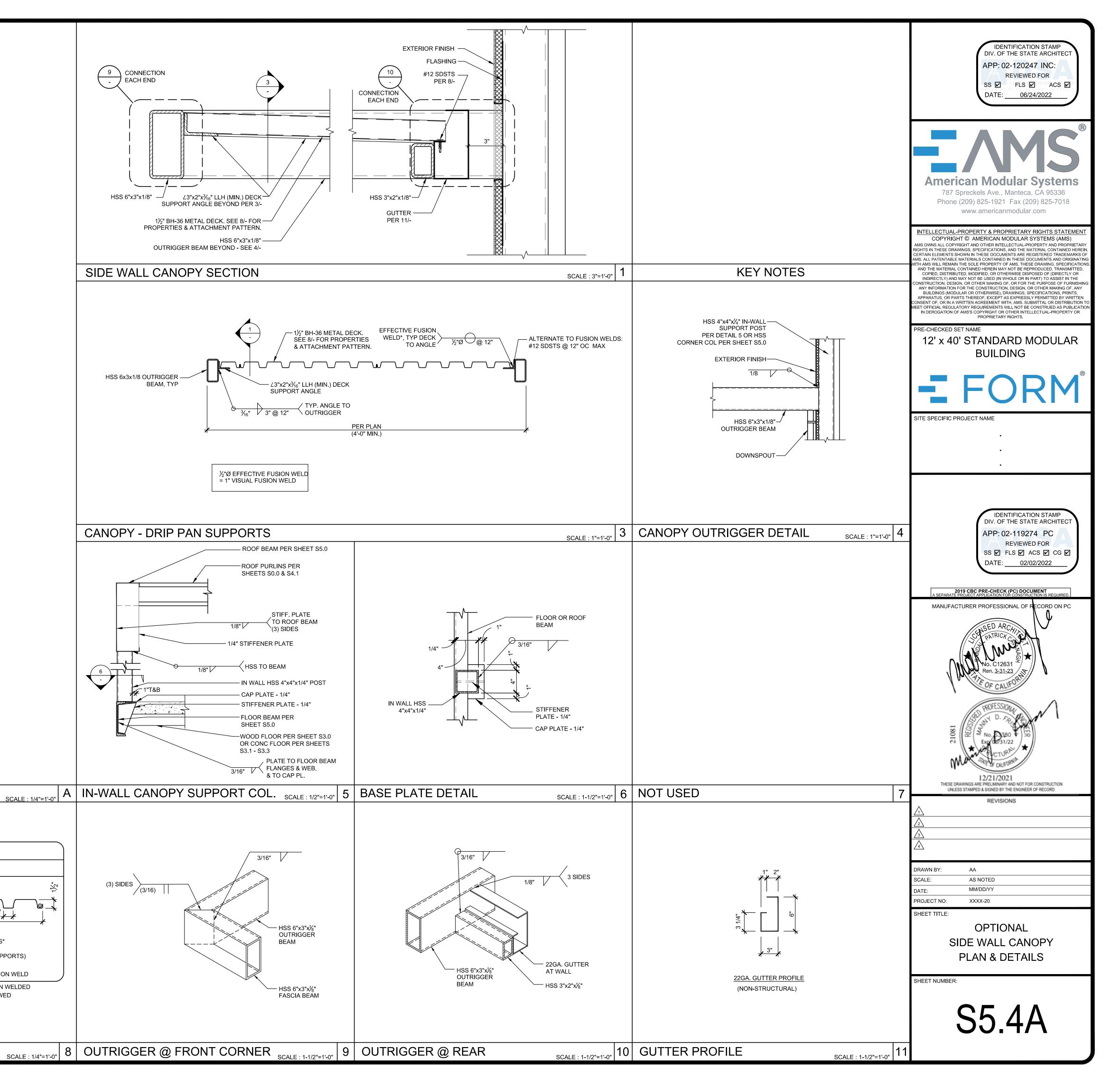
## SIDE WALL CANOPY - STRUCTURAL PLAN

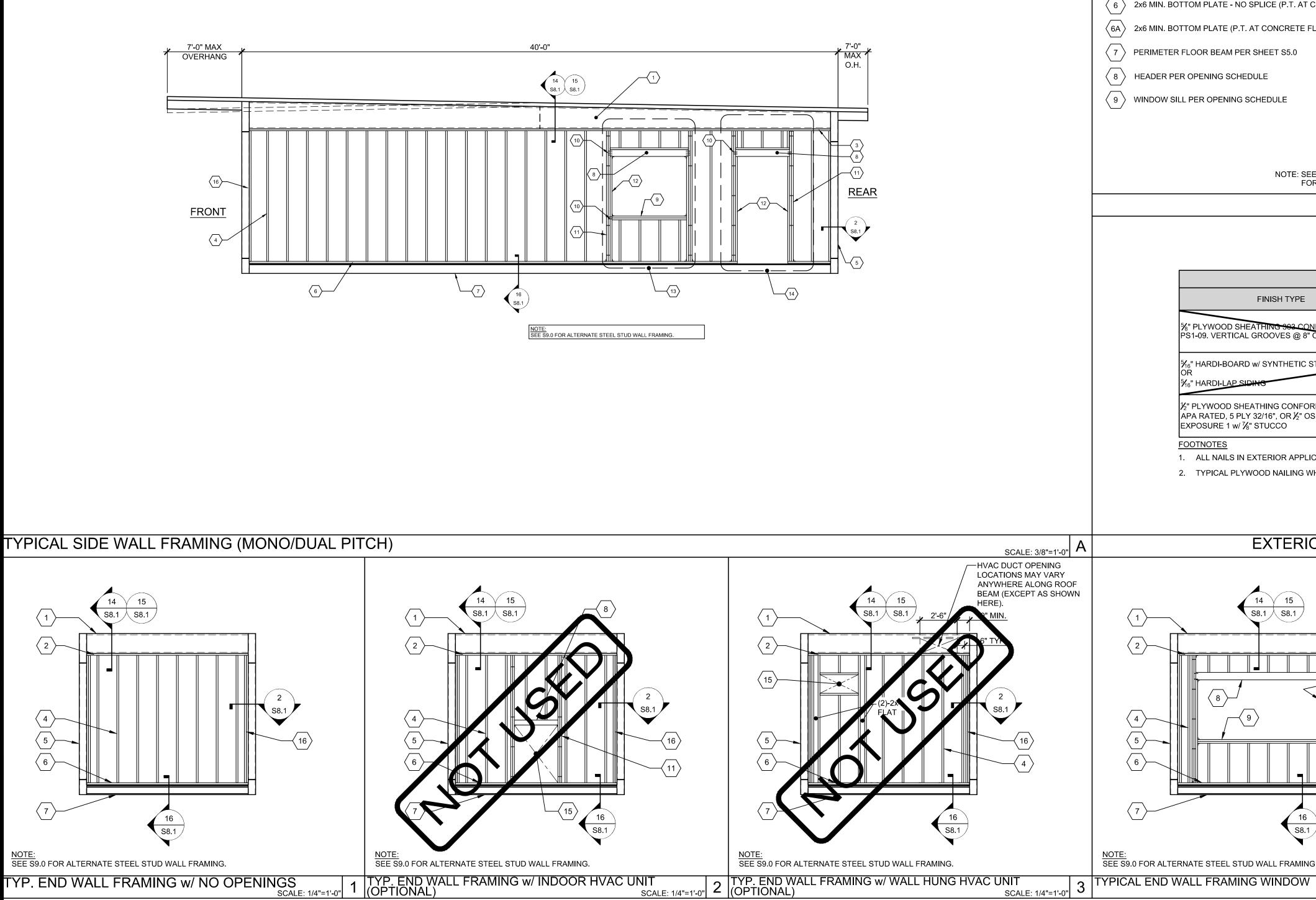
BH-36 METAL DECK PROPERTIES & PROFILE											
		MINIM	UM EFFEC	FIVE PROPE	RTIES	DECK PROFILE					
PLAN DESIGNATION	DECK TYPE	S₀+ IN <sup>3</sup> /FT	S <sub>E</sub> - IN <sup>3</sup> /FT	Ι <sub>Ε</sub> + IN <sup>4</sup> /FT	Ι <sub>Ε</sub> - IN <sup>4</sup> /FT	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$					
	1½"-18GA ASC BH-36 GALV DECK (36" WIDE)	0.311	0.329	0.287	0.313	$3'-0"$ $= (4) \frac{1}{2}"Ø EFFECTIVE FUSION WELDS*$ ALTERNATE: (4) #12 SDSTS (SEE 3/- FOR ATTACHMENT @ PARALLEL SUPPORTS) * $\frac{1}{2}"Ø$ EFFECTIVE FUSION WELD = 1"Ø VISUAL FUSION WELD					
NOTE:					- SIDE LA	AP ATTACHMENT TO BE BUTTON PUNCHED @ 24" O.C. WHEN WELDED					

ASC STEEL DECKING: IAPMO UES ER #0329

SIDE LAP ATTACHMENT TO BE BUTTON PUNCHED @ 24" O.C. WHEN WELDED - SIDE LAP ATTACHMENT TO BE #10 SDSTS @ 24" O.C. WHEN SCREWED

BH-36 METAL DECK PROPERTIES & PROFILE



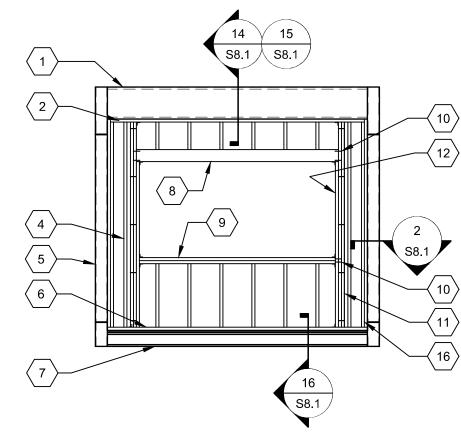


DOOR/WINDOW OPENING AT TYPICAL WALL (NO STUCCO)								
					HEADER TO KIN	NG STUD NAILING	WINDOW SILL TO	KING STUD NAILING
OPENING SIZE	HEADER	WINDOW SILL <sup>2</sup> (AS APPLICABLE)	KING STUDS <sup>1</sup>	SPACING	# END NAILS 1 <sup>ST</sup> KIN <u>G STUD</u> <del>TO H</del> EADER <sup>3</sup> (0.131"Øx3" NAILS)	# FAC <del>E NAILS</del> KING STUD TO KING STUD @ HEADER (0.131"Øx3" NAILS)	# END NAILS 1 <sup>ST</sup> KING STUD TO WINDOW SILL <sup>3</sup> (0.131"Øx3" NAILS)	# FACE NAILS KING STUD TO KING STUD @ WINDOW SILL (0.131"Øx3" NAILS)
>8'-0" TO 10'-0"	6x6	(2) 2x6	<del>(3) 2</del> x6		6	3	4	2
>6'-0" TO 8'-0"	6x6	<del>(1) 2</del> x6	(2) 2x6	0.131"Øx3" NAILS @ 12"	5	3	3	2
>4'-0" TO 6'-0"	4 <del>x0</del> FLAT	(1) 2x6	(2) 2x6	O.C. MAX STAGGERED	4	2	3	2
4'- <del>9" OR</del> LESS	4x6 FLAT	(1) 2x6	(2) 2x6		4	2	3	2

## **OPENING SCHEDULE**

- 3. TWO (2) END NAILS PER LAMINATION MINIMUM.
- 2. WHEN MORE THAN A SINGLE SILL PLATE IS REQUIRED PLATE(S) TO BE INSTALLED FLAT), INTERNAIL w/ 0.131"Øx3" NAILS @ 12" O.C. STAGGERED.
- PROVIDE (1) SIMPSON A34 T&B OF KING STUDS TO PLATES FOR OPENINGS 4'-0" OR LESS.
- 1. PROVIDE (2) SIMPSON A34 T&B OF KING STUDS TO PLATES FOR OPENINGS GREATER THAN 4'-0".
- **FOOTNOTES**

	DOOR/WINDOW OPENING AT STUCCO WALL								
OPENING SIZE	HEADER	WINDOW SILL <sup>2</sup> (AS APPLICABLE)	KING STUDS <sup>1</sup>	KING STUD INTERNAIL SPACING	HEADER TO KI # END NAILS 1 <sup>ST</sup> KING STUD TO HEADER <sup>3</sup> (0.131"Øx3" NAILS)				
<u>&gt;8'-0" TO 10'-0"</u>	6x6	(2) 2x6	(3) 2x6		6				
>6'-0" TO 8'-0"	6x6	(2) 2x6	(3) 2x6	0.131"Øx3" NAILS @ 12" O.C. MAX STAGGERED	5				
>4'-0" TO 6'-0"	4x6 FLAT	(1) 2x6	(2) 2x6		4				
4'-0" OR LESS	4x6 FLAT	(1) 2x6	(2) 2x6		4				

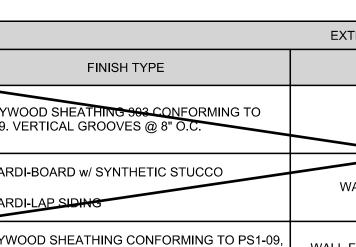


<u>NOTE:</u> SEE S9.0 FOR ALTERNATE STEEL STUD WALL FRAMING.

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

3

2 2



FOR WOOD SPECIES & GRADE

5⁄16" HARDI-BOARD w/ SYNTHETIC STUCCO

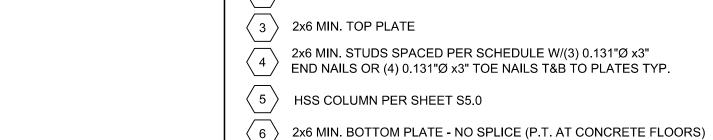
WALL FI WALL FINISH

FOOTNOTES

1. ALL NAILS IN EXTERIOR APPLICATIONS SHALL BE GALVANIZED.

2. TYPICAL PLYWOOD NAILING WHERE OCCURS: 0.131"Ø x $2\frac{1}{4}$ " GALV. NAILS @ 6" O.C. E.N. & 12" O.C. F.N. (ALL EDGES BLOCKED).

# EXTERIOR WALL SCHEDULE 8" PLYWOOD SHEATHING 993 CONFORMING TO PS1-09. VERTICAL GROOVES @ 8" O. 5/<sub>6</sub>" HARDI-LA $\frac{1}{2}$ " PLYWOOD SHEATHING CONFORMING TO PS1-09, APA RATED, 5 PLY 32/16", OR 1/2" OSB PANELS EXPOSURE 1 w/ 7/8" STUCCO



 $\langle 1 \rangle$  ROOF BEAM PER SHEET S5.0  $\langle 2 \rangle$  2x6 MIN. TOP PLATE - NO SPLICE

 $\langle 6A \rangle$  2x6 MIN. BOTTOM PLATE (P.T. AT CONCRETE FLOORS)

 $\langle 7 \rangle$  PERIMETER FLOOR BEAM PER SHEET S5.0

 $\langle 8 \rangle$  HEADER PER OPENING SCHEDULE

 $\langle 9 \rangle$  WINDOW SILL PER OPENING SCHEDULE

	Image: wide wide wide wide wide wide wide wide	
4	TYPICAL END WALL FRAMING w/ DOOR SCALE: 1/4"=1'-0" 5	
KIN 5 D 3 LS)	B STUD NAILING       WINDOW SILL TO KING STUD NAILING         # FACE NAILS       # END NAILS         # FACE NAILS       # END NAILS         ING STUD TO KING       1 <sup>ST</sup> KING STUD TO         STUD @ HEADER       WINDOW SILL <sup>3</sup> (0.131"Øx3" NAILS)       (0.131"Øx3" NAILS)	

4

3

2

2

# EXTERIOR WALL FINISH/WALL STUD SCHEDULE

JR WALL SCHEDULE		
WALL FINISH COMMENTS	STUD TYPE	STUD SPACING
VALL FINISH PER A5.0 & A5.1	HEM FIR #2 OR DOUG FIR #2	16" O.C. MAX
FINISH PER A5.4, A5.5, A5.6 & A5.7	HEM FIR #2 OR DOUG FIR #2	16" O.C. MAX
SH PER A5.2 & A5.3; NAILING PER BLDG SECTIONS <sup>1,2</sup>	HEM FIR #2 OR DOUG FIR #2	16" O.C. MAX

# **KEY NOTES**

NOTE: SEE CARPENTRY NOTES SHEET N1.0 SECTION 6

AND FLOOR PLANS FOR LOCATIONS) Image: https://www.image.com/i DETAIL 3/S8.1 FOR HVAC ATTACHMENT  $\langle 16 \rangle$  2x DOUBLE NAILER

 $\langle 11 \rangle$  KING STUDS PER OPENING SCHEDULE

 $\langle 12 \rangle$  2x6 MIN. TRIMMER

- AND FLOOR PLANS FOR LOCATIONS) OPTIONAL DOOR OPENING FRAMING PER SCHEDULE
- (REFER TO 4/S8.0 FOR DETAILS

 $\langle 10 \rangle$  END NAILS THROUGH KING STUD TO HEADER SILL PER OPENING SCHEDULE

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITEC

**REVIEWED FOR** 

SS 🗹 FLS 🗹 ACS 🗹

APP: 02-120247 INC:

DATE: 06/24/2022

**American Modular Systems** 

787 Spreckels Ave., Manteca, CA 95336

Phone (209) 825-1921 Fax (209) 825-7018 www.americanmodular.com

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12' x 40' STANDARD MODULAR

BUILDING

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

**REVIEWED FOR** 

SS 🗹 FLS 🗹 ACS 🗹 CG 🗹

APP: 02-119274 PC

DATE: 02/02/2022

2019 CBC PRE-CHECK (PC) DOCUMENT PARATE PROJECT APPLICATION FOR CONSTRUCTION IS RE

12/21/2021

AA

AS NOTED MM/DD/YY

XXXX-20

WALL FRAMING

**ELEVATIONS & SCHEDULES** 

- WOOD STUDS

S8.0

DRAWN BY:

PROJECT NO:

SHEET TITLE:

SHEET NUMBER:

SCALE:

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

REVISIONS

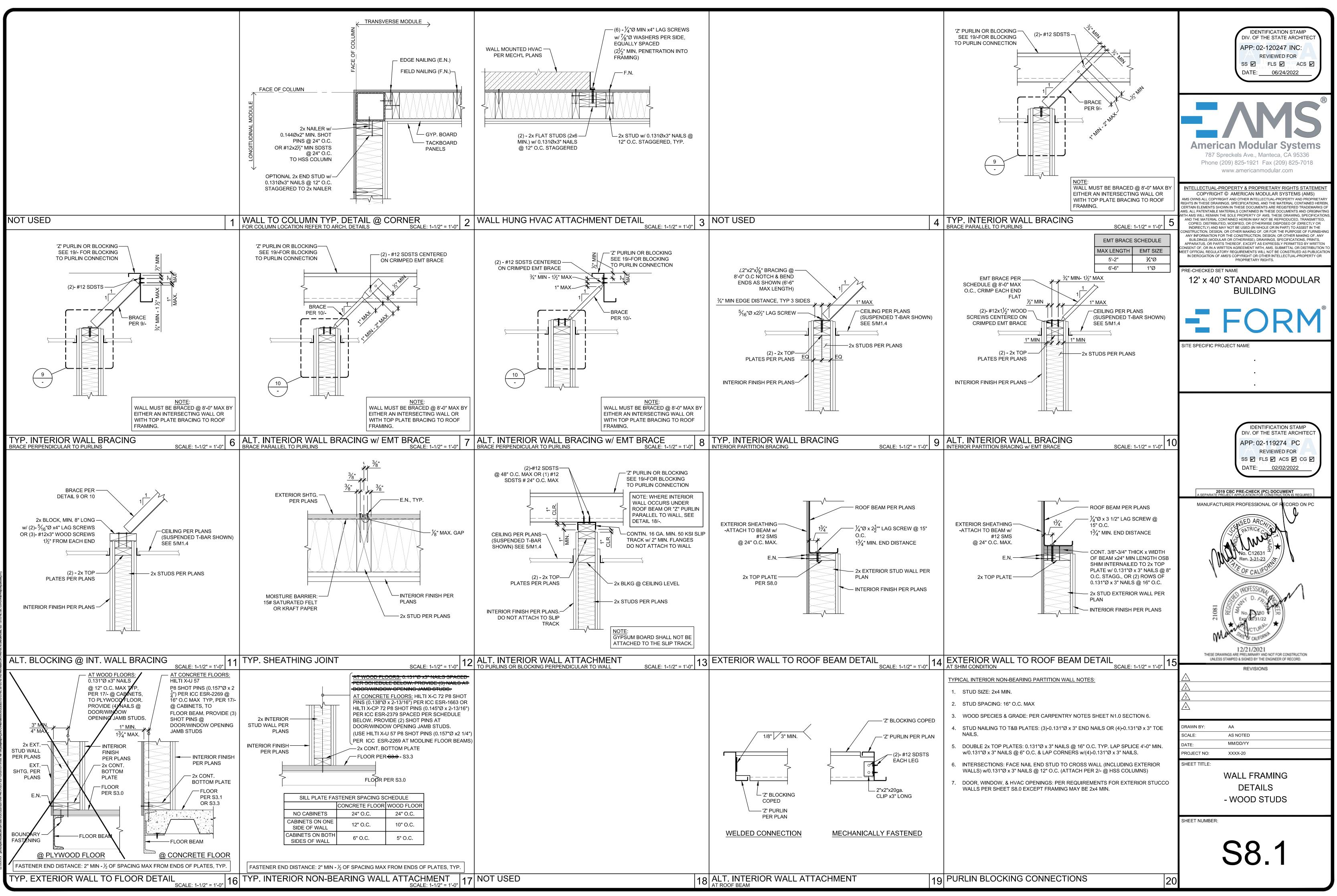
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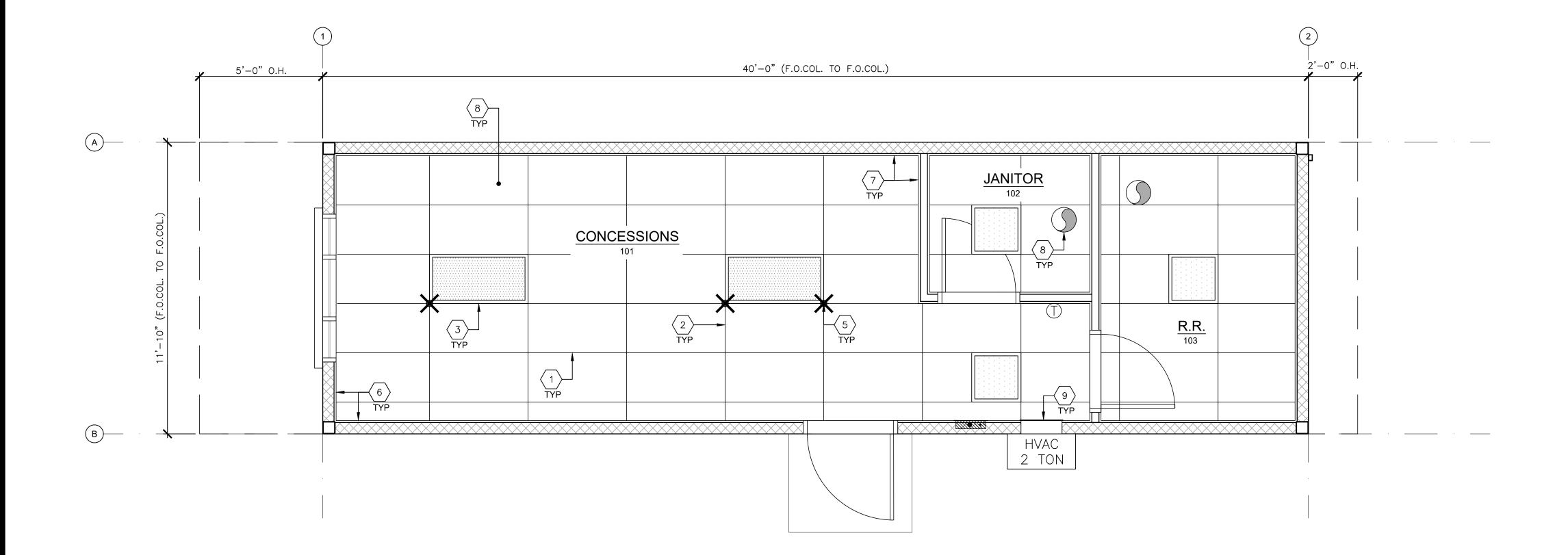
PRE-CHECKED SET NAME

SITE SPECIFIC PROJECT NAME

- (13) OPTIONAL WINDOW OPENING FRAMING PER SCHEDULE

- (REFER TO 5/S8.0 FOR DETAILS



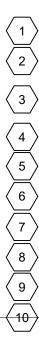


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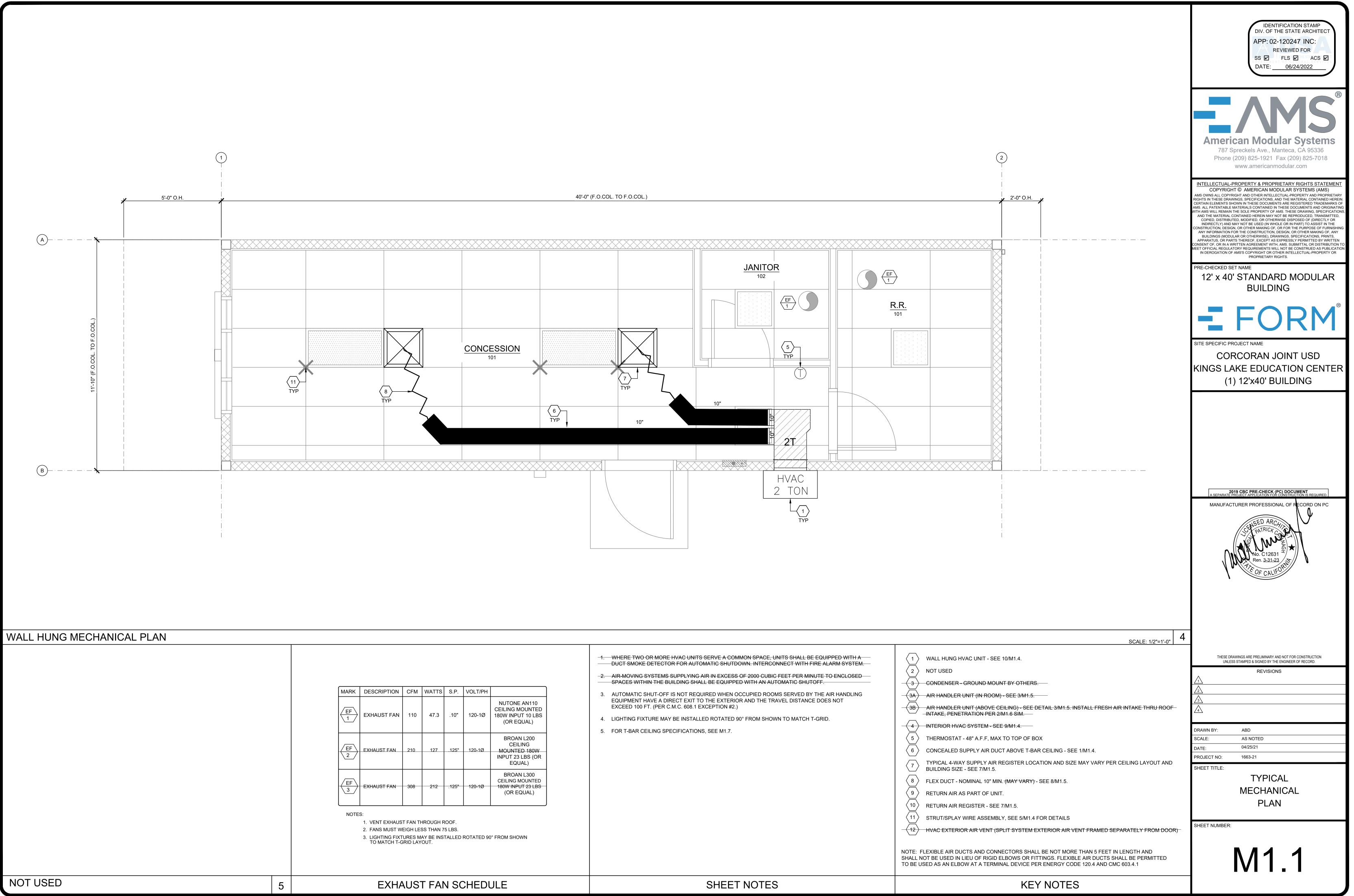
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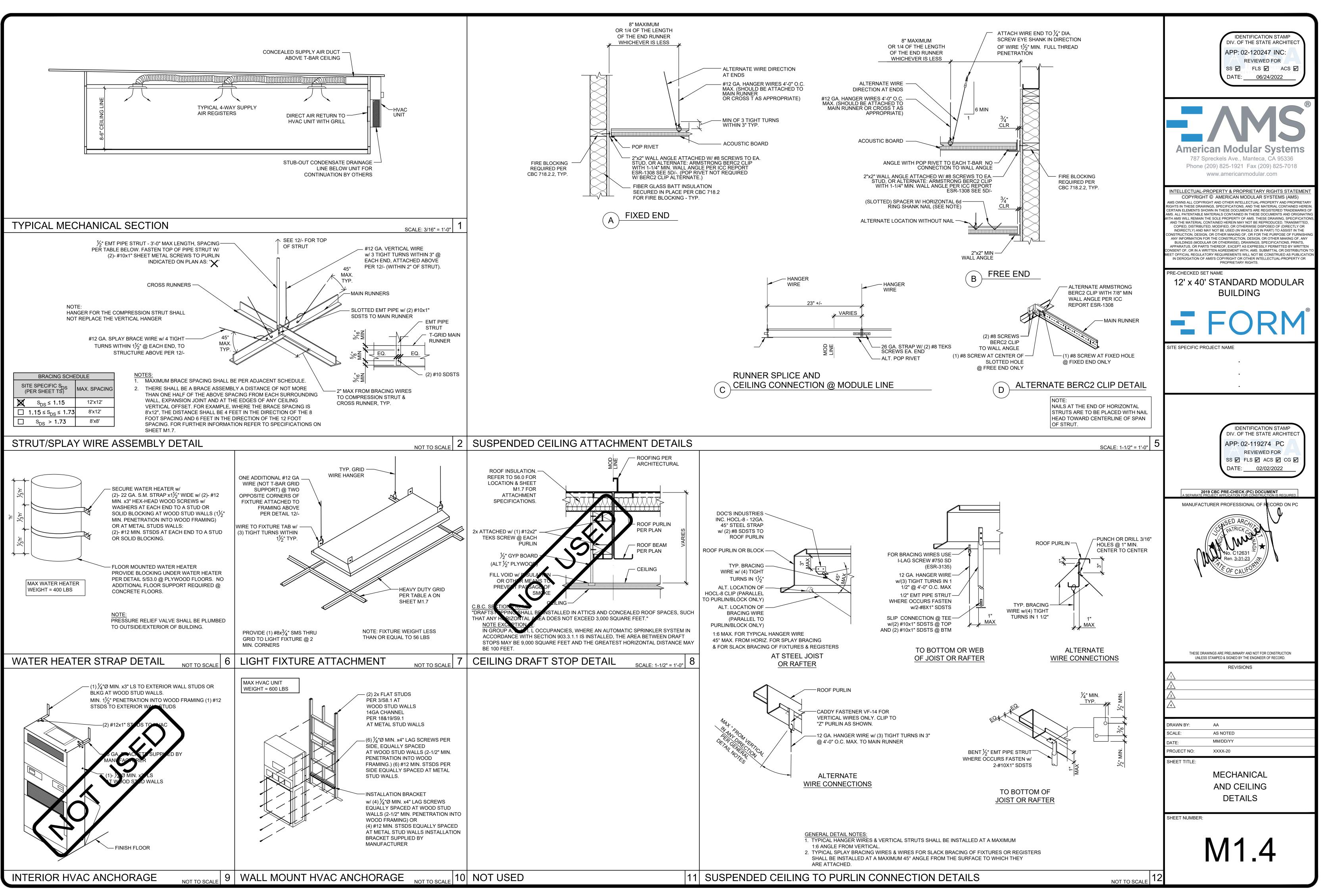
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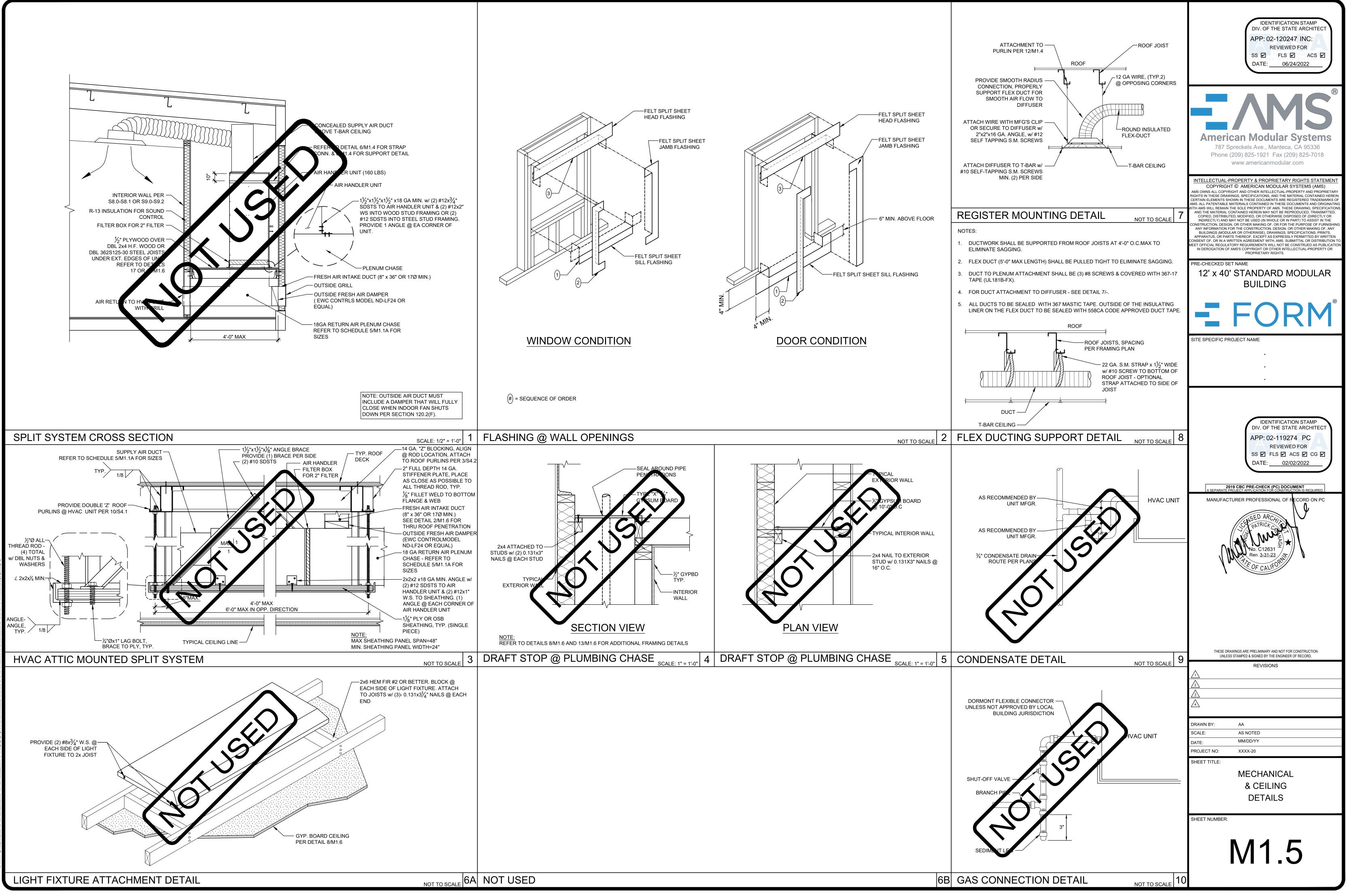


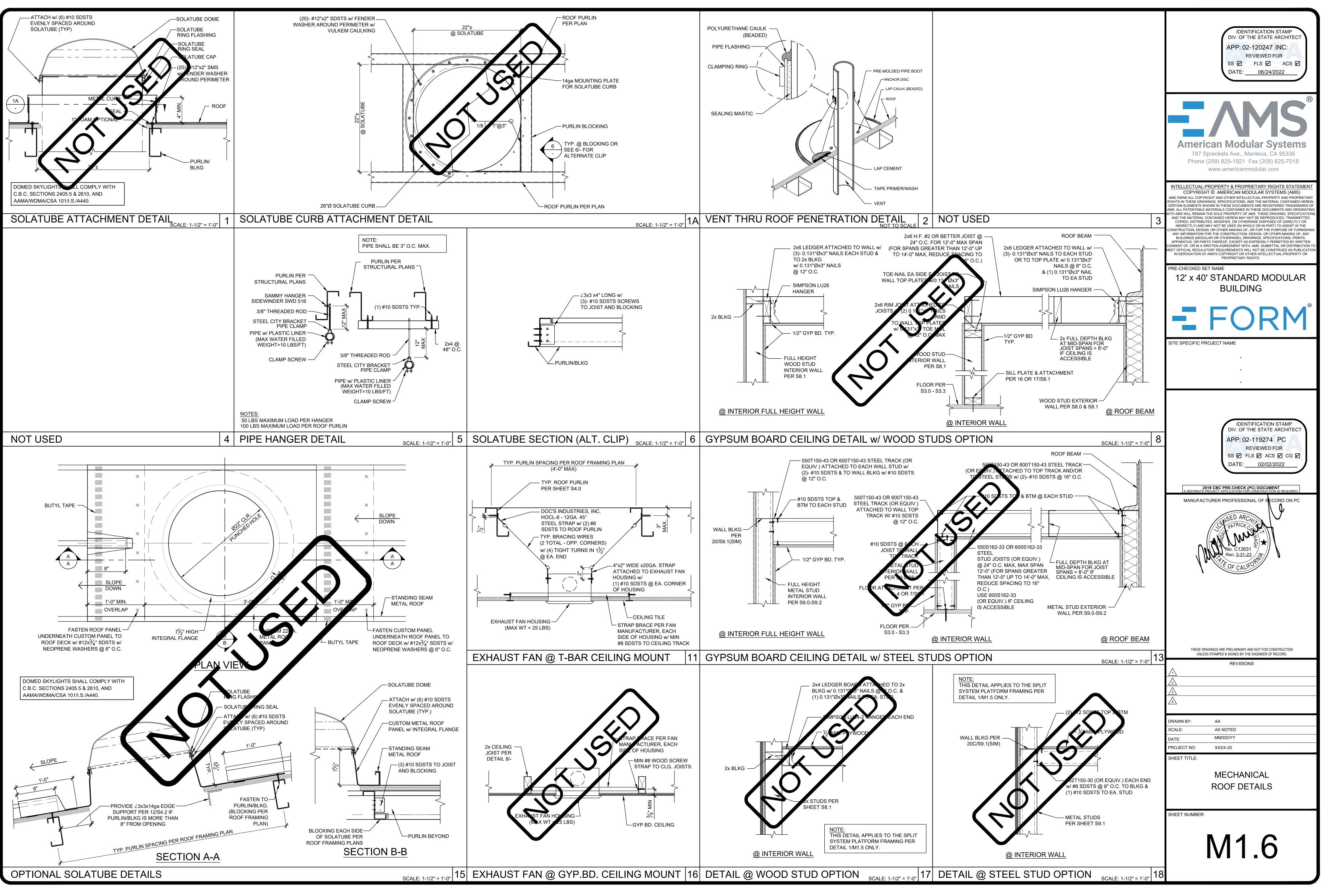
(1) MAIN TEE RUNNER TYP. PER TABLE A, SHEET M1.7 IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT (2) CROSS TEE RUNNER TYP. PER TABLE A, SHEET M1.7 APP: 02-120247 INC: 3 INTERIOR LIGHT FIXTURE, REFER TO SHEET E1.0 FOR SPEC'S ATTACHMENT PER DETAIL 7/M1.4 **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹 (4) CEILING HEIGHT @ 9'-0", SEE SCHEDULE DATE: 06/24/2022 5 STRUT/SPLAY WIRE ASSEMBLY, SEE 2/M1.4 FOR DETAILS (6) FIXED CEILING END, SEE DETAIL 5A/M1.4 FREE CEILING END, SEE DETAIL 5B/M1.4  $\langle 8 \rangle$  EXHAUST FAN - SEE SCHEDULE BELOW (9) AIR SUPPLY GRILLE - SEE SHEET M1.1 (10) OPTIONAL SOLA-TUBE - SEE DETAIL 1/M1.6 **American Modular Systems** 787 Spreckels Ave., Manteca, CA 95336 Phone (209) 825-1921 Fax (209) 825-7018 www.americanmodular.com INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMEN COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS) AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS O AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATIN AWIST ALL PATENTABLE WATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATIN WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATION AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHIN ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS. PRE-CHECKED SET NAME 12' x 40' STANDARD MODULAR BUILDING FOR SITE SPECIFIC PROJECT NAME CORCORAN JOINT USD **KEY NOTES** KINGS LAKE EDUCATION CENTER (1) 12'x40' BUILDING 2019 CBC PRE-CHECK (PC) DOCUMENT A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRE MANUFACTURER PROFESSIONAL OF RECORD ON PC THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD. REVISIONS MARK DESCRIPTION CFM WATTS S.P. VOLT/PH NUTONE AN110 CEILING MOUNTED 4EXHAUST FAN 110 47.3 .10" 120-1Ø 180W INPUT 10 LBS (OR EQUAL) ABD DRAWN BY: BROAN L200 SCALE: AS NOTED CEILING 04/25/21 EXHAUST FAN 210 127 .125" 120-1Ø MOUNTED 180W DATE: INPUT 23 LBS (OR PROJECT NO: 1663-21 EQUAL) SHEET TITLE: BROAN L300 TYPICAL CEILING MOUNTED EXHAUST FAN 308 212 .125" 120-1Ø 180W INPUT 23 LBS REFLECTED (OR EQUAL) **CEILING PLANS** 1. VENT EXHAUST FAN THROUGH ROOF. SHEET NUMBER: 2. FANS MUST WEIGH LESS THAN 75 LBS. LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID LAYOUT. M1.0



DUCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWNINTERCONNECT WITH FIRE ALARM SYSTEM.       2       NOT USE         -2       -AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE TO ENCLOSED       -3       CONDEN         SPACES WITHIN THE BUILDING SHALL BE ECOUPED WITH AN AUTOMATIC SHUTDOFF.       -3       CONDEN         120-10       CELLING MOUNTED EQUIPMENT HAVE A DIRECT EXIT TO THE EXTENDOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. (PR C.M.C. 606.1 EXCEPTION #2.)       -3       -3         4       LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.       -4       -4         5       FOR T-BAR CEILING SPECIFICATIONS, SEE M1.7.       -4       -4         6       CONCEAL       -5       THERMOUNTED 5       -4         120-10       MOUNTED 180W INPUT 23 LBS (OR EQUAL)       -5       THERMOUNES       -4         120-10       BROAN L300 CEILING MOUNTED 120-10       -5       THERMOUNES       -4         120-10       MOUNTED 180W INPUT 23 LBS (OR EQUAL)       -5       THERMOUNES       -4       -4         0       RETURN.       -10       -10       -10       -10       -10         120-10       INDUT 23 LBS (OR EQUAL)       -5       THERMOUNES       -6       -10       -10         10       RETURN.       -10       RETURN.			
VOLT/PH	D ROTATED 90° FROM SHOWN		11 STRUT/SPL
DUCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.       2       NOT USE         2       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.       3       CONDENS         1       NUTONE AN110 CEILING MOUNTED 180W INPUT 10 LBS (OR EQUAL)       3. 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.)       3. 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.)       3. 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.)       3. 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.)       3. LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.       4       INTERIOF         1       120-107       MOUNTED 180W       100 FT. (PER C.M.C. 608.1 EXCEPTIONS, SEE M1.7.       5       THERMON INTERIOR       5       THERMON 6       6       CONCEAU       7       TYPICAL BUILDING       7       TYPICAL BUILDING       7       TYPICAL BUILDING       7       TYPICAL BUILDING       7	CEILING MOUNTED		9 RETURN AI
UCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.       2       NOT USE         -2.       AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE TO ENCLOSED       3       CONDENT         SPACES WITHIN THE BUILDING SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF.       3.       AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN OCCUPIED ROOMS SERVED BY THE AIR HANDLING       3A       AIR HANE         VOLT/PH       3.       AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN OCCUPIED ROOMS SERVED BY THE AIR HANDLING       3A       AIR HANE         120-10       NUTONE AN110 CEILING MOUNTED 180W INPUT 10 LBS (OR EQUAL)       1.       LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.       3B       AIR HANE         4       LIGHTING SPECIFICATIONS, SEE M1.7.       5       THERMONIC       5	INPUT 23 LBS (OR EQUAL)		
DUCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.       2       NOT USE         2       AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE TO ENCLOSED       3       CONDENS         VOLT/PH       3. AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN OCCUPIED ROOMS SERVED BY THE AIR HANDLING       3A       AIR HANDLING         120-10       NUTONE AN110 CEILING MOUNTED 180W INPUT 10 LBS (OR EQUAL)       3. AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN OCCUPIED ROOMS SERVED BY THE AIR HANDLING       3B       AIR HANE         4. LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.       4       INTERIOR       4	CEILING		
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<ol> <li>3.</li> <li>4.</li> <li>5.</li> <li>5.</li> <li>7.</li> <li>3.</li> <li>9.</li> <li>10.</li> <li>11.</li> <li>12.</li> <li>13.</li> </ol>	SUSPENSION WIRE SHALL BE CLASS 1 ZINC-COATED (GALV/ SHALL BE #12 GAGE WITH SOFT TEMPER AND A MINIMUM TE WHEN HANGER AND BRACING WIRES ARE ATTACHED TO CO MUST BE PERFORMED. POWER ACTUATED FASTENERS IN C 12 GA. (MINIMUM) HANGER WIRES MAY BE USED FOR UP TO MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HA PROVIDE 12 GA. HANGER WIRES WITHIN 8" OF THE ENDS OF LENGTH OF THE END TEE, WHICHEVER IS LESS, AT THE PER PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRA DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE T WIRES. CEILING GRID MEMBERS SHALL BE ATTACHED TO TWO (2) A LEAST 3/4 INCH CLEAR OF OTHER WALLS. IF WALLS RUN DIA OF MAIN AND CROSS RUNNERS SHOULD BE FREE AND A MII PERIMETER SUPPORT ANGLES SHALL BE AT LEAST 2 INCHE THAT HAVE A VALID EVALUATION REPORT. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN T SPREADING. A METAL STRUT OR A 16 GA. WIRE WITH A POS USED. WHERE THE PERPENDICULAR DISTANCE FROM THE V THIS INTERLOCK IS NOT REQUIRED. CEILING AREAS EXCEEDING 2,500 SQUARE FEET SHALL HAV EXPANSION JOINTS SHALL BE PROVIDED AT INTERSECTION PENETRATIONS THROUGH THE CEILING, SUCH AS FIRE SPR OR ADAPTER TO ALLOW FREE MOVEMENT INDEPENDENT O FITTING THAT ALLOWS 1 INCH OF MOVEMENT CAN BE USED LATERAL FORCE BRACING IS REQUIRED FOR ALL CEILINGS, WITH PERIMETER WALLS THAT ARE DESIGNED TO CARRY T ASSEMBLIES MUST BE SHOWN ON THE PLANS. LATERAL FORCE BRACING IS REQUIRED FOR ALL CEILINGS, WITH PERIMETER WALLS THAT ARE DESIGNED TO CARRY T ASSEMBLIES MUST BE SHOWN ON THE PLANS. LATERAL FORCE BRACING CONSISTS OF A SET OF 1 COMPF WIRES, ORIENTED 90 DEGREES FROM EACH OTHER AT THE (A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRE CENTER.	ENSILE STRENGTH OF 7 ONCRETE ABOVE, TEST CONCRETE ARE NOT ALL AND INCLUDING 4'-0" x ANGER WIRES UNLESS FALL MAIN AND CROSS RIMETER OF THE CEILIN MEMBERS AT OBSTRUC ACES AS REQUIRED AT THAN 1:6 OUT OF PLUMI ADJACENT WALLS. CEILI AGONALLY TO CEILING ON NIMUM OF 3/4 INCH CLE S WIDE, OR USE PROPE CROSS RUNNERS ARE THE RUNNERS AT THE F OTIVE MECHANICAL CON WALL TO THE FIRST PAI OF CORRIDORS, LOB RINKLERS, SHALL HAVE OF THE CEILING. ALTERN O. EXCEPT CEILING AREA THE CEILING LATERAL FO RESSION STRUT AND FO FOLLOWING SPACING:	70 KSI. S PER D.S.A. IR 25-2.1 LOWED FOR BRACING 4'-0 GRID SPACING, A SPECIFICALLY APPRO RUNNERS OR AT 1/4 IG AREA. CTIONS TO MAINTAIN ALL CEILING BREAKS, B ARE TO HAVE COUN ING GRID MEMBERS S GRID SYSTEM RUNNE FAR OF WALL. RIETARY ANGLES & SI NOT CONNECTED TO REE END TO PREVEN NNECTION TO THE RU RALLEL RUNNERS IS & ION JOINT. BIES AND OTHER SIM A 2 INCH OVERSIZED NATE: A FLEXIBLE SPE AS OF 144 SQUARE FE ORCES. SPACING OF DUR #12 GA. SPLAYED	3 SECTION 6.8 WIRE. TTACH TO VED BY D.S.A. OF THE HANGER SOFFITS OR TER-BRACED BHOULD BE AT ERS, ONE END EISMIC CLIPS O THE T LATERAL INNERS MAY BE B" OR LESS, ILAR AREAS. RING, SLEEVE RINKLER ET OR LESS BRACING		BARD WA HUNG NC BARD IT
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5. 6. 7. 3. 9.	<ul> <li>PROVIDE 12 GA. HANGER WIRES WITHIN 8" OF THE ENDS OF LENGTH OF THE END TEE, WHICHEVER IS LESS, AT THE PER</li> <li>PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRA DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE T WIRES.</li> <li>CEILING GRID MEMBERS SHALL BE ATTACHED TO TWO (2) A LEAST 3/4 INCH CLEAR OF OTHER WALLS. IF WALLS RUN DIA OF MAIN AND CROSS RUNNERS SHOULD BE FREE AND A MID</li> <li>PERIMETER SUPPORT ANGLES SHALL BE AT LEAST 2 INCHE THAT HAVE A VALID EVALUATION REPORT.</li> <li>AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN T SPREADING. A METAL STRUT OR A 16 GA. WIRE WITH A POS USED. WHERE THE PERPENDICULAR DISTANCE FROM THE V THIS INTERLOCK IS NOT REQUIRED.</li> <li>CEILING AREAS EXCEEDING 2,500 SQUARE FEET SHALL HAV EXPANSION JOINTS SHALL BE PROVIDED AT INTERSECTION</li> <li>PENETRATIONS THROUGH THE CEILING, SUCH AS FIRE SPR OR ADAPTER TO ALLOW FREE MOVEMENT INDEPENDENT O FITTING THAT ALLOWS 1 INCH OF MOVEMENT CAN BE USED</li> <li>LATERAL FORCE BRACING IS REQUIRED FOR ALL CEILINGS, WITH PERIMETER WALLS THAT ARE DESIGNED TO CARRY T ASSEMBLIES MUST BE SHOWN ON THE PLANS.</li> <li>LATERAL FORCE BRACING CONSISTS OF A SET OF 1 COMPRE WIRES, ORIENTED 90 DEGREES FROM EACH OTHER AT THE (A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRE CENTER.</li> </ul>	F ALL MAIN AND CROSS RIMETER OF THE CEILIN MEMBERS AT OBSTRUC ACES AS REQUIRED AT THAN 1:6 OUT OF PLUMI ADJACENT WALLS. CEILIN AGONALLY TO CEILING ON NIMUM OF 3/4 INCH CLE S WIDE, OR USE PROPE CROSS RUNNERS ARE THE RUNNERS AT THE F STIVE MECHANICAL CON WALL TO THE FIRST PAN VE A SEISMIC SEPARATION WALL TO THE FIRST PAN VE A SEISMIC SEPARATION S OF CORRIDORS, LOB RINKLERS, SHALL HAVE A F THE CEILING. ALTERN C. EXCEPT CEILING AREA THE CEILING LATERAL FOR RESSION STRUT AND FOR FOLLOWING SPACING:	RUNNERS OR AT 1/4 IG AREA. CTIONS TO MAINTAIN ALL CEILING BREAKS, B ARE TO HAVE COUN ING GRID MEMBERS S GRID SYSTEM RUNNE EAR OF WALL. RIETARY ANGLES & SI NOT CONNECTED TO REE END TO PREVEN NNECTION TO THE RU RALLEL RUNNERS IS & ION JOINT. BIES AND OTHER SIM A 2 INCH OVERSIZED NATE: A FLEXIBLE SPF AS OF 144 SQUARE FE ORCES. SPACING OF	OF THE HANGER SOFFITS OR TER-BRACED HOULD BE AT RS, ONE END EISMIC CLIPS O THE T LATERAL JNNERS MAY BE B" OR LESS, ILAR AREAS. RING, SLEEVE RINKLER ET OR LESS BRACING		
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	<ul> <li>WITH PERIMETER WALLS THAT ARE DESIGNED TO CARRY T ASSEMBLIES MUST BE SHOWN ON THE PLANS.</li> <li>LATERAL FORCE BRACING CONSISTS OF A SET OF 1 COMPR WIRES, ORIENTED 90 DEGREES FROM EACH OTHER AT THE</li> <li>(A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRE CENTER.</li> </ul>	HE CEILING LATERAL FOR RESSION STRUT AND FO FOLLOWING SPACING:	ORCES. SPACING OF DUR #12 GA. SPLAYED	BRACING	(	
4.	<ul> <li>WIRES, ORIENTED 90 DEGREES FROM EACH OTHER AT THE</li> <li>(A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRE</li> <li>CENTER.</li> </ul>	FOLLOWING SPACING:				
	-		MORE THAN 12 FEET E			
	OR AT THE EDGE OF VERTICAL CEILING OFFSETS. THE DEGREES FROM THE PLANE OF THE CEILING AND SHO SPLICES IN BRACING WIRES ARE NOT PERMITTED WIT	E SLOPE OF THESE WIR DULD BE TAUT WITHOU	RES SHOULD NOT EXC T CAUSING THE CEILI	CEED 45		
15.	COMPRESSION STRUTS SHALL BE ABLE TO RESIST THE VEF BE MORE THAN 1:6 OUT OF PLUMB.	RTICAL PULL INDUCED E	BY BRACING WIRES, A	ND SHALL NOT		
16.	FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TUR WIRES WITH 4 TIGHT TURNS WITHIN A DISTANCE OF 1-1/2 IN STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER TH POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING OF	ICHES. HANGER OR BRA	ACING WIRE ANCHOR	S TO THE		
	SEPARATE ALL CEILING HANGING AND BRACING WIRES AT L CONDUIT ETC.	LEAST 6 INCHES FROM	ALL UNBRACED DUCT	TS, PIPES,		
18.	ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE C FASTENERS AS REQUIRED TO RESIST A HORIZONTAL FORC ATTACHMENTS ARE REQUIRED AT EACH LIGHT FIXTURE.					
-	FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTE SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS A WEIGHING LESS THAN 10 POUNDS MAY HAVE AT LEAST ONE	EM, BUT THEY MUST HA AND ANCHORED TO TH	VE A MINIMUM OF TW E STRUCTURE ABOVE	/O #12 GA.		
	LIGHT FIXTURES AND OTHER CEILING DEVICES WEIGHING M SUPPORTED BY NO LESS THAN FOUR (4) TAUT #12 GAGE WI BE ABLE TO SUPPORT FOUR (4) TIMES THE WEIGHT OF THE	IRES, ATTACHED TO TH				
21.	ALL LIGHT-WEIGHT MISCELLANEOUS DEVICES, SUCH AS ST SIGNS, ETC., SHALL BE ATTACHED TO THE CEILING GRID PE WEIGHING MORE THAN 10 LBS SHALL HAVE A #12 GAUGE SL PER SECTION 7.2.2 OF D.S.A. IR 25-2.13. DEVICES WEIGHING STRUCTURE ABOVE PER SECTION 7.3.4 OF D.S.A. IR 25-2.13.	R SECTION 2.6.3 OF D.S LACK SAFETY WIRE AND MORE THAN 20 LBS. SH	S.A. IR 25-2.13. IN ADD CHORED TO THE STRI	ITION, DEVICES UCTURE ABOVE		ZON
22.	PANELS THAT WEIGH MORE THAN 0.5 LBS/SQ.FT. (PSF), OTH POSITIVELY ATTACHED TO CEILING SUSPENSION RUNNERS		ER ACOUSTIC TILES, \$	SHALL BE		
	ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINER PANELS, SQUARE EDGE, ASTM FLAME SPREAD CLASS T, 24" NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM, MAXIMU	"x48" MODULAR SIZE, LI IM SMOKE DENSITY NO	GHT REFLECTION 75% T TO EXCEED 450. FLA	6 MINIMUM, AME SPREAD		3-1
	RATING MAXIMUM OF 200. PANELS ARE NOT ALLOWED TO S THERMOSTAT SHALL BE PROGRAMMED TO PREVENT SUPPI LOAD CAN BE MET BY THE HEAT PUMP ALONE. THE CUT-ON HIGHER THAN THE CUT-ON TEMPERATURE FOR SUPPLEMENT	LEMENTARY HEATER O	PERATION WHEN THE	E HEATING NG MUST BE	** S	N ADDIT
	COMPRESSION HEATING MUST BE HIGHER THAN THE CUT-C CEC 2019 SECTION 110.2(b).				MA AL TH	<u>DDITION</u> ANUAL ( L HVAC IEM TO /ERRIDI
	TABLE A - HEAVY DUT	Y GRID COMPONENT	S			
	MANUFACTURER MAIN TEE H.D. 4' CROSS TEE	H.D. 2' CROSS TEE	RUNNER SPLICE DETAIL	ICBO ER REPORT	1.	HEAT
	DONN/USG DX-26 DX-424 ARMSTRONG 7301 XL7341	DX-216 XL8320	N/A N/A	ICC-ESR-1222 ICC-ESR-1308		WITH / VOLT,
	ARMISTRONG         7301         AL7341           CHICAGO/ROCKFON         200.01         1274.01	1202.01	N/A N/A	ICC-ESR-1308		А. <sup>-</sup>
	NOTE: ALL GRID COMPONENTS SHALL BE BY THE SAME MANUFACTUR	RER				В. (

HVAC CFM CHART								
MODEL #	DESCRIPTION	MAX. CFM	UNIT WEIGHT (LBS)	EER	COP	CLIMATE ZONE(S)		
W24HB	2 TON HEAT PUMP	818	500	11.3	3.3	1-16		
W30HB	21/2 TON HEAT PUMP	1053	500		3.4	1 16		

OR BARD PACKAGED VERTICAL UNITS, UTILIZE THE CRV-F5 OR EQUIVALENT VENTILATION KIT TO BRING IN OUTSIDE AIR.

<b>_</b>	HVAC CFM CHART									
	MODEL #	DESCRIPTION	MAX. CFM	UNIT WEIGHT (LBS)	EER	СОР	CLIMATE ZONE(S)			
		2 TON HEAT PLIMP	$\checkmark$							
1	* WHEN LI <del>SIN</del> GT	TECH WHERE 2 TON HEAT PU	JMP IS SPECIF	IED, USE 2 <sup>1/2</sup> TON	UNIT SPE	CIFIED BI	ELOW			
-	I30H1-A	2½ TON HEAT PUMP	900	816	11.7	3.6	1-16			

	HVAC CFM CHART														
	MODEL #	DESCRIPTION	AIR HANDLER MODEL # (INTEBIOR OR ATTIC MOUNTED)	MAX. CFM	CFM UNIT WEIGHT (LBS)		SEER	CLIMATE ZONE(S)							
т	25HCE424A003	2 TON HEAT PUMP	FX4DN025	800	122	11.5	14.0	1-16							
	25HCE430A003	2 1/2 TON HEAT PUMP	FX4DN031	1000	146	11.5	14.0	1-16							

	HVAC SCHEDULE												
CLIMATE	HVAC E ZONES 14	# OF CLIMATE	HVAC ZONE 15	# OF HVAC CLIMATE ZOME 16									
2 TON HVAC	2½ TON HVAC	2 TON HVAC	21/2 TON HVAC	2 TON HVAC	21/2 TON HVAC								
1			1	1									

# MINIMUM INSULATION SCHEDULE

WALL	RO	OF	FLOORS (NON-CONCRETE)	CONCRETE FLOORS	
	BATTS	RIGID	(NON-CONCILETE)		
*R 13	**R 19	R-10	R-13	N/A	
*R-13	**R-19	R-5	R-13	N/A	
* <del>R-13</del>	**R-19	R-15	R-13	N/A	

O R-13 BATT INSULATION, R-4 RIGID INSULATION TO BE USED OVER METAL FRAMED WALLS 2 GA WIRE @ 16" O.C.

AC NOTES:

IDE CONTROLS ARE A MANDATORY MEASURE UNDER ENERGY CODE SECTION 120.2(e). EMS SHALL HAVE A MANUAL OVERRIDE ACCESSIBLE TO THE OCCUPANTS THAT ALLOWS ON THE HVAC SYSTEM DURING NORMAL UNOCCUPIED TIMES. THIS CAN BE A MANUAL UP TO 4 HOURS, OCCUPANCY SENSOR, OR A 4 HOUR MANUALLY OPERATED TIMER.

ILATING AND AIR CONDITIONING (HVAC)

SINGLE PACKAGE WALL-MOUNTED AIR-TO-AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE TANDARD 240-77. MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 5-TON UNIT. ALL UNITS SHALL BE 230/208 SE SYSTEM, UL TESTED & APPROVED OR COMPARABLE, AND MEET CURRENT ENERGY STANDARDS.

(STEM SHALL MAINTAIN AN AUTOMATICALLY CONTROLLED INDOOR CLASSROOM TEMPERATURE OF 78 ES F. WHEN THE OUTDOOR DRY BULB TEMPERATURE VARIES BETWEEN 100 DEGREES F. IN THE SUMMER STEM MUST MAINTAIN THE ABOVE TEMPERATURE WHEN THE DAMPER IS ADJUSTED TO USE APPROXIMATELY HIRD FRESH AIR. (DESIGN OUTSIDE AIR = 182 CFM)

RUCT ALL DUCTWORK OF GALVANIZED SHEET METAL IN ACCORDANCE WITH C.M.C., ASHRAE GUIDE MENT VOLUME, AND SMACNA LOW VELOCITY DUCT CONSTRUCTION MANUAL, LATEST EDITIONS. ALL VORK 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.

### HEATING VENTILATING AND AIR CONDITIONING (HVAC) continue

- D. DUCTS SHALL BE THE SAME SIZE AND ALLIGN WITH THE HVAC UNIT. E.
- GENERATION LESS THAN OR EQUAL TO 50.
- 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:

- 24-HOUR PERIOD. KEY BOARD LOCKOUT SWITCH D.
- PROGRAMMABLE DISPLAY.
- 2-HOUR OVERRIDE MINIMUM.
- G. STATUS INDICATED LED'S. H. BATTERY BACK-UP.

I. 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-1 TOP OF PURLINS. Α
- R NON-CONCRETE FLOORS INSULATION: R-13 C.
- D CONCRETE FLOORS INSULATION: N/A
- Ε.
- FACTORY-MADE AIR DUCTS
- REQUIREMENTS OF C.M.C. SECTION 601.0.
- C. TO RAFTER WITH TWO #8 S.M.S. @ EACH END. D
- Ε. CORNERS.
- 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; Α.
- AT THE CEILING AND FLOOR LEVELS; AND AT 10-FOOT (3048mm) INTERVALS BOTH VERTICAL AND HORIZONTAL. C. REFERENCE 2019 CBC SECTION 718.
- 10. (SEE SHEET N1.0, SECTION 9C "INTERIOR AIR QUALITY CONTROL")
- 11. HVAC FILTER
- 5.504.5.3
- D. 2019 CBC SECTION 5.504.5.3.1
- 12. ROOF MOUNTED HVAC SEAL ALL SEAMS BETWEEN THE HVAC UNIT AND DUCTS.
- 13. HVAC CONTROLS
  - NORMALLY OCCUPIED PER ENERGY CODE 120.1(c)1.

- OF RECORD OR THE OWNER'S AGENT.
- A LISTING OF CERTIFIED ATT'S CAN BE FOUND AT: -CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE.

### HVAC SCHEDULES

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

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

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, CERTAINTEED, 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

C. 5 AND 2 WEEKDAY/WEEKEND PROGRAMMING DAYS WITH 4 SEPARATE TIME/TEMPERATURE SETTINGS FOR A

WALLS INSULATION: R-13 KRAFT FACED. (R-4 INSULATION OVER METAL FRAMED WALLS)

FLAME SPREAD AND SMOKE DEVELOPMENT SHALL CONFORM TO CALIFORNIA BUILDING CODE SEC. 720.

A. FACTORY-MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE

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 FLEX DUCT TO BE SUPPORTED WITH 1-1/2" WIDE x26 GA. GALV. STRAP @ MAX 4'-0" O.C. ATTACH

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

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

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.

A. 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 2019 CEC SECTION

INSTALLED FILTERS SHALL BE CLEARLY LABELED BY THE MANUFACTURER INCLUDING THE MERV RATING, PER

A GASKET SHALL BE PLACED BETWEEN THE CURB AND THE HVAC UNIT. MASTIC SEALANT SHALL BE USED TO

A. 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

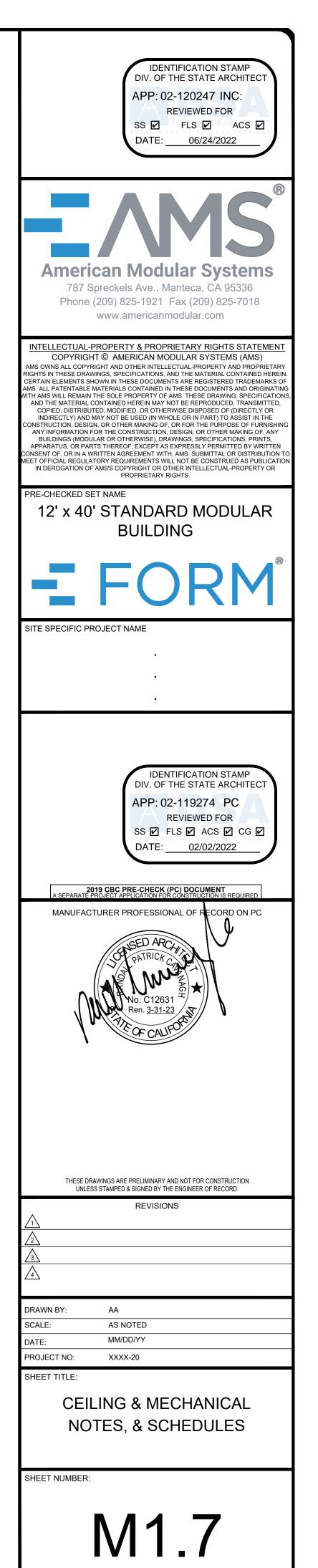
14. UPON SITE PLACEMENT OR SITE CONSTRUCTION, THE OPERATION AND MAINTENANCE DOCUMENTATION FOR ALL MECHANICAL AND LIGHTING SYSTEMS AND CONTROLS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR FOR THE PERMANENT MODULAR RELOCATABLE BUILDING AND DELIVERED TO THE OWNER.

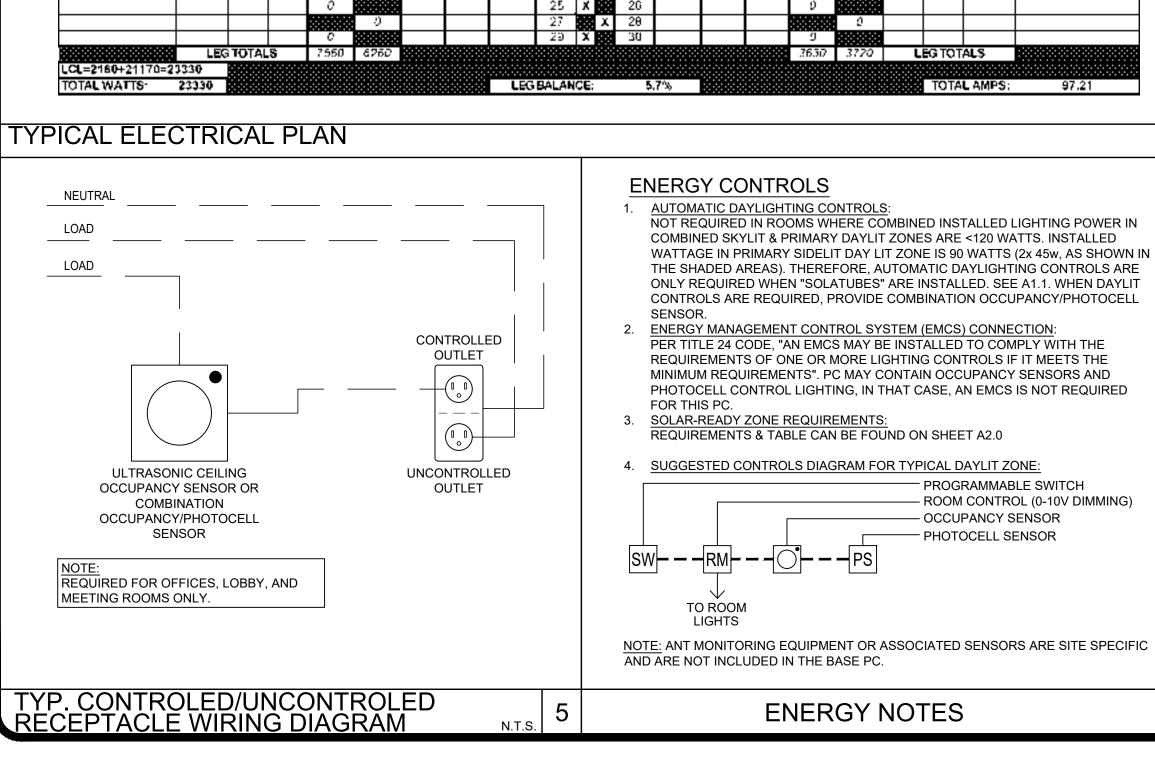
15. THE CALIFORNIA ENERGY CODE 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT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

16. 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

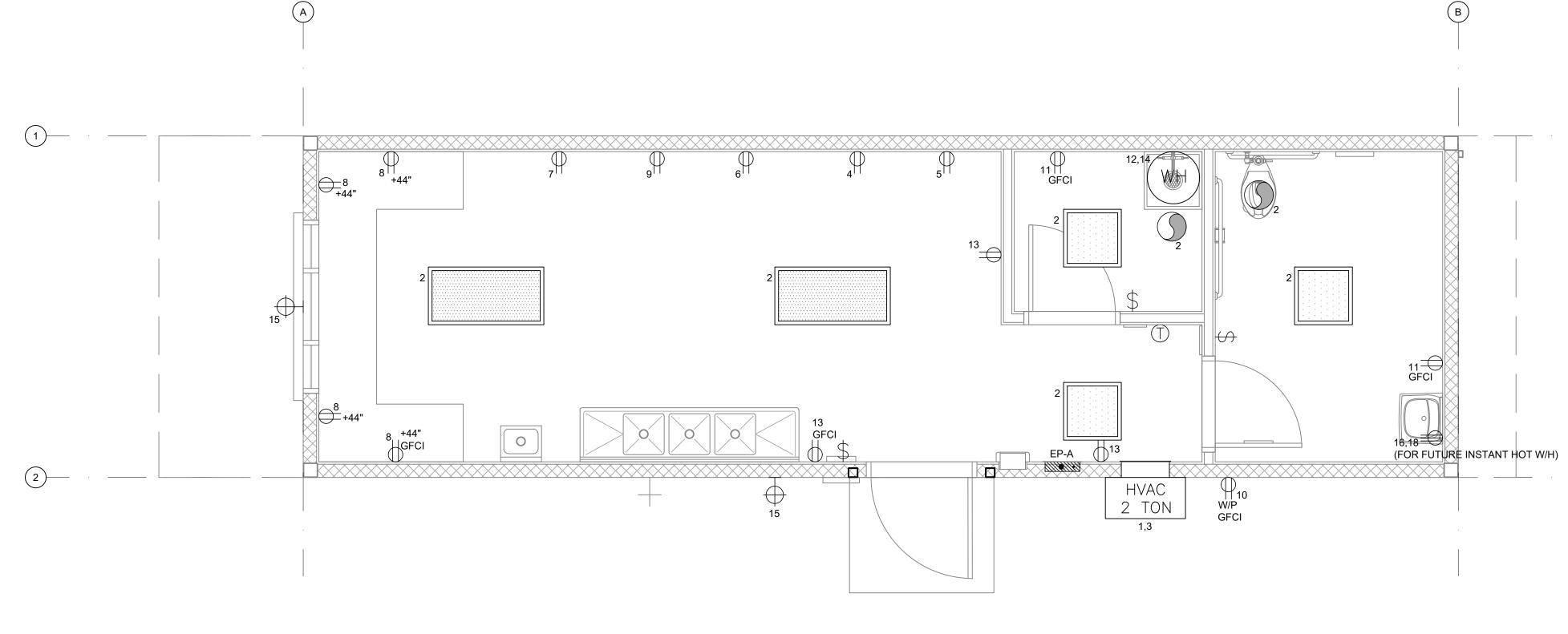
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THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF PROJECT INSPECTORS WILL BE COLLECTING THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.





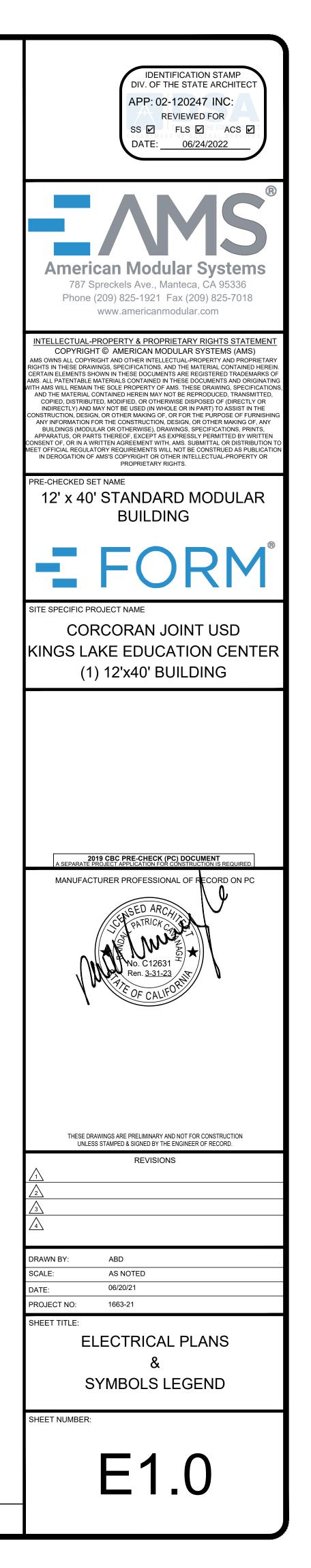
Panel:	Ą				ASE: Igle			MAIN (AMPS): 125		BUSS (AMPS): 150		LOCATION. INTERIOR		FEED. OUT BACK ABOVE FLOX:R			FLOOR	MOUNTING. RECESSED		
OBJECT DESCRIPTION	WATTS PER	יים	LÇL	W/ A	ATTS B	BRK	POLE	WIRE SIZE	¢KT≭	LEG A B		WIRE Size	POLE	BRK	МА А	TTS B	LÇL	QTY	WATTS PER	OBJECT DESCRIPTION
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FOOD WARMER	1500	1		1500		20	1	#12	5	X	- 5	<b>#</b> 12	1	20	1260			-	1260	ERID GE
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LCL=2160+21170=2	3330																			
TOTAL WATTS:	23330							LEG	BALAN	ICE:	5.	7%						TOTA	L AMPS:	97.21

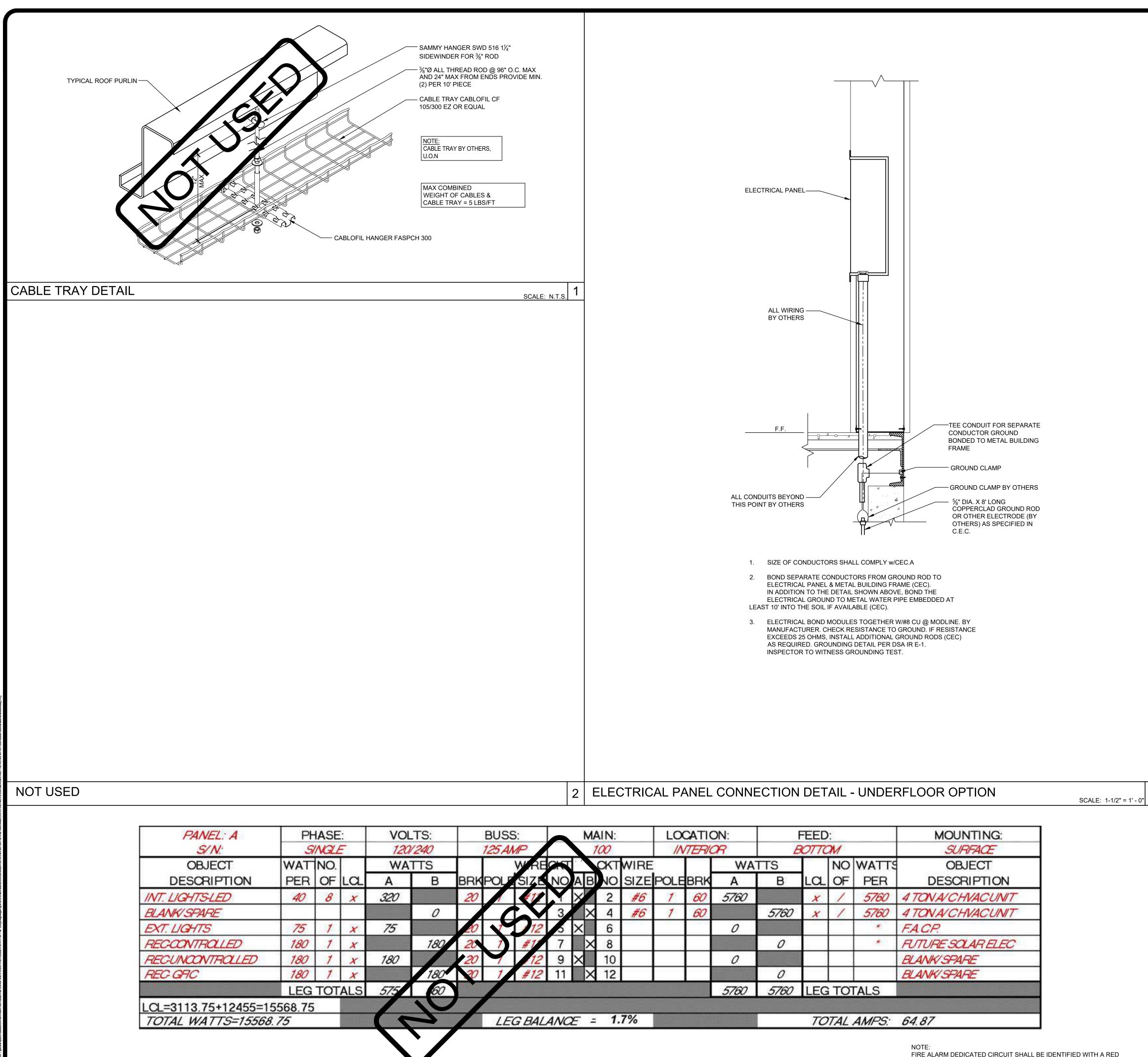


SCALE: 1/4" = 1' - 0"

1. THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT & SMOKE DETECTORS, EVACS AND PULL STATIONS, AND 9. LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO COMPLETE FIRE ALARM SYSTEM WHEN THE SITE SPECIFIC PROJECT IS MATCH T-BAR GRID LAYOUT. REQUIRED TO MEET THE PROVISIONS OF SB 575 & CBC 907.2.3. ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE DEMAND RESPONSE CONTROLS 2 SPECIFIC AND ARE NOT INCLUDED IN THIS BASE PC. 1. DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER 3. PULL STATIONS ARE REQUIRED AT EVERY EXIT. AT ANY SPACE THAN 10,000 S.F. REQUIRING 2 OR MORE EXITS, PROVIDE EXIT SIGNS (CBC 1013) AND EMERGENCY EXIT ILLUMINATION (CBC 1008). 2. DEMAND RESPONSE CONTROLS, WHERE REQUIRED, ARE TO BE PROVIDED BY OTHERS. 4. SEE PLANS FOR LOCATIONS OF ALL DEVICES. 3. DEMAND RESPONSE CONTROLS AND EQUIPMENT SHALL BE CAPABLE OF 5. STUB-OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA RECEIVING AND AUTOMATICALLY RESPONDING TO AT LEAST ONE BOXES ARE SHOWN DIAGRAMMATICAL ONLY. EXACT LOCATIONS MAY STANDARD-BASED MESSAGING PROTOCOL WHICH ENABLES DEMAND RESPONSE AFTER RECEIVING A DEMAND SIGNAL. VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING. 4. SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE CONTROLS MUST INCLUDE THE SUBMITTAL OF FORM NRCC-ELC-01-E TO 6. STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC DSA (BY OTHERS). SPACE WITH 1/2" MIN. GALV. THIN 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 BI-LEVEL SWITCHING. 8. FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS. **GENERAL NOTES** 

$\overline{P}$	- INCANDESCENT WALL MOUNTED INTERIOR LIGHT FIXTURE- - MODEL: 9850-LED, 10W MAX- EXTERIOR LIGHT FIXTURE @ EACH DOOR, LED OR EQUAL
₽	(MAX 40W) - WHERE THERE ARE TWO OR MORE EXITS, A MINIMUM 90 MIN. BATTERY BACK-UP IS REQUIRED
Ó	EXTERIOR SOFFIT MOUNTED LIGHT FIXTURE ENERTRON MODEL 110BSH2X7LED-50 LOW PROFILE CANOPY, LED OR EQUAL (MAX 16W)
Φ	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
Ø	- COMBO-DUPLEX WALL CONVENIENCE OUTLET - MOUNT @
₿	FOURPLEX WALL OUTLET - MOUNT @ +18" A.F.F. TO CENTER LINE - U.O.N.
P/GFCI ∯	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.
\$ <sub>s</sub>	- SINGLE POLE SOLA-TUBE SWITCH - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX
\$ <sub>T</sub>	SPRING WOUND COUNTDOWN TIMER, 125-277 VAC, 50/60 Hz, DSPT, 60 MINUTE MAX, ITEM FD460MW OR EQUAL MOUNT @ +48" A.F.F. MAX TO TOP OF BOX.
<del>-</del> a	-SWITCH SUBSCRIPTS - a=DEVICE CONTROLLED.
T	THERMOSTAT - TOP OF BOX MOUNTED @ +48" A.F.F.
J	JUNCTION BOX - SIZE / LOCATION A.F.F. / TYPE AS NOTED
J	ELECTRICAL CROSSOVER - J-BOX - ABOVE CEILING -#1- 4"x1", #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- - DEVICE RING AND COVER - MOUNT @ +84" A.F.F. TO-
$\bigtriangledown$	-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
	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
DC	- DOOR CONTACT - PROVIDE (1) EMPTY 1/2" DIA EMT - THROUGH DOOR HEADER - STUBBED ABOVE CEILING DEVICE BY OTHERS-
M	MOTION SENSOR OUTLET - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER AND ONE 3/4" CONDUIT STUBBED ABOVE CEILING
Ō	ULTRASONIC OCCUPANCY SENSOR - MOUNTED TO FINISH CEILING (PROVIDE WITH COMBINATION PHOTOCELL
F	SENSOR WHEN DAYLIT CONTROLS ARE 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 GANG J-BOX WITH BLANK WEATHERPROOF COVER -MOUNTED +90" A.F.F. TO CENTERLINE - DEVICE BY OTHERS
M	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
φ	VISUAL FIRE ALARM ALARM - OUTLET ONLY - 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT SO THAT LENS IS BETWEEN 80"-96" A.F.F. (CEILING MOUNT PER NFPA72 TABLE 6-4.4.1(b) ) DEVICE BY OTHERS.
	2'x4' LED EDGE FIT FIXTURE, MODEL: LSI, SFP24 5601K LUMENS - 45 WATTS MAX OR EQUAL
	2'x2' LED EDGE FIT FIXTURE, MODEL: LSI, SFP22 3163K LUMENS - 30 WATTS MAX OR EQUAL
	-24 HOUR EMERGENCY LIGHTING WITH MINIMUM 90-MINUTE- BATTERY BACK-UP - WHERE TWO OR MORE EXITS ARE REQUIRED
E	-REQUIRED - EMERGENCY EXIT LIGHT, - WHERE THERE ARE TWO OR - MORE EXITS, AN EXIT SIGN WITH INTEGRAL EMERGENCY - LIGHTING W/MINIMUM 90-MINUTE BATTERY BACK-UP IS - REQUIRED
	EXTERIOR SOFFIT MOUNTED LIGHTING PER MODEL ABOVE V EMERGENCY 90 MIN. MINIMUM BATTERY BACK-UP, PROVIDE





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FIRE ALARM DEDICATED CIRCUIT SHALL BE IDENTIFIED WITH A RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY (NFPA 72 10.6.5.2)

LOAD PANEL CALCULATIONS

#### FIRE ALARM SYSTEM

- THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE. CALIFORNIA FIRE CODE AND THE CALIFORNIA BUILDING CODE.
- 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.
- 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 MARSHALL'S REGULATIONS (CBC SEC. 907.2.3) AND THE 2016 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.
- 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 5dBA 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 MARSHALL 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 AS AMENDED BY ARTICLE 91. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUJS 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.

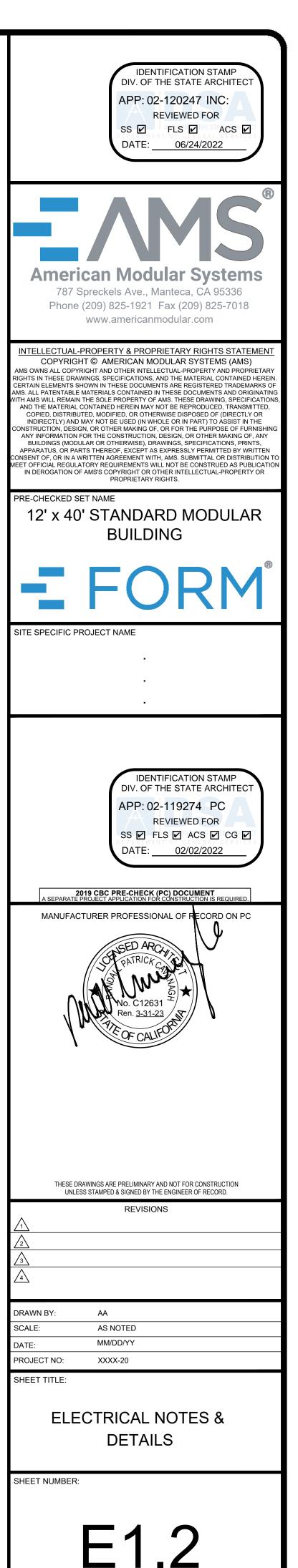
NOTE: SEE SHEET M1.0 FOR ALL BRACING AND ANCHORAGE NOTES.

#### **GENERAL NOTES**

- 1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.
- 2. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
- 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.
- WHERE FLEXIBLE CONDUIT IS PASSING BETWEEN BUILDING SEPARATION JOINTS, 5. PROVIDE SUFFICIENT LENGTH OF CONDUIT TO PERMIT DIFFERENTIAL DISPLACEMENTS BETWEEN BUILDINGS IN COMPLIANCE WITH ASCE 7 SECTION 13.6.9. ADDITIONAL CONDUIT & JOINT DETAIL SHALL BE PROVIDED BY OTHERS.

#### FIXTURE NOTES:

- 1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
- LUMINARIES/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.
- ELECTRICAL SERVICE DROP AND CONNECTIONS SUPPLIED BY OTHERS.
- 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.
- 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.
- 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.
- FLUORESCENT BALLAST SHALL BE ENERGY SAVER WHILE MAINTAINING FULL LIGHT 8. 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.
  - CLOCK SHALL BE GENERAL ELECTRIC MODEL 2912 129V 60 CYCLE CLOCK OUTLET SHALL BE BRYANT #2828 OR EQUAL WITH SEPARABLE HANGING CLIP & APP'D 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.
  - IF 60 DEGREES WIRE IS TO BE USED IN THIS INSTALLATION, CALCULATIONS DEMONSTRATING AMPACITY SHALL BE PROVIDED ON THE DRAWING.



GENERAL NOTES

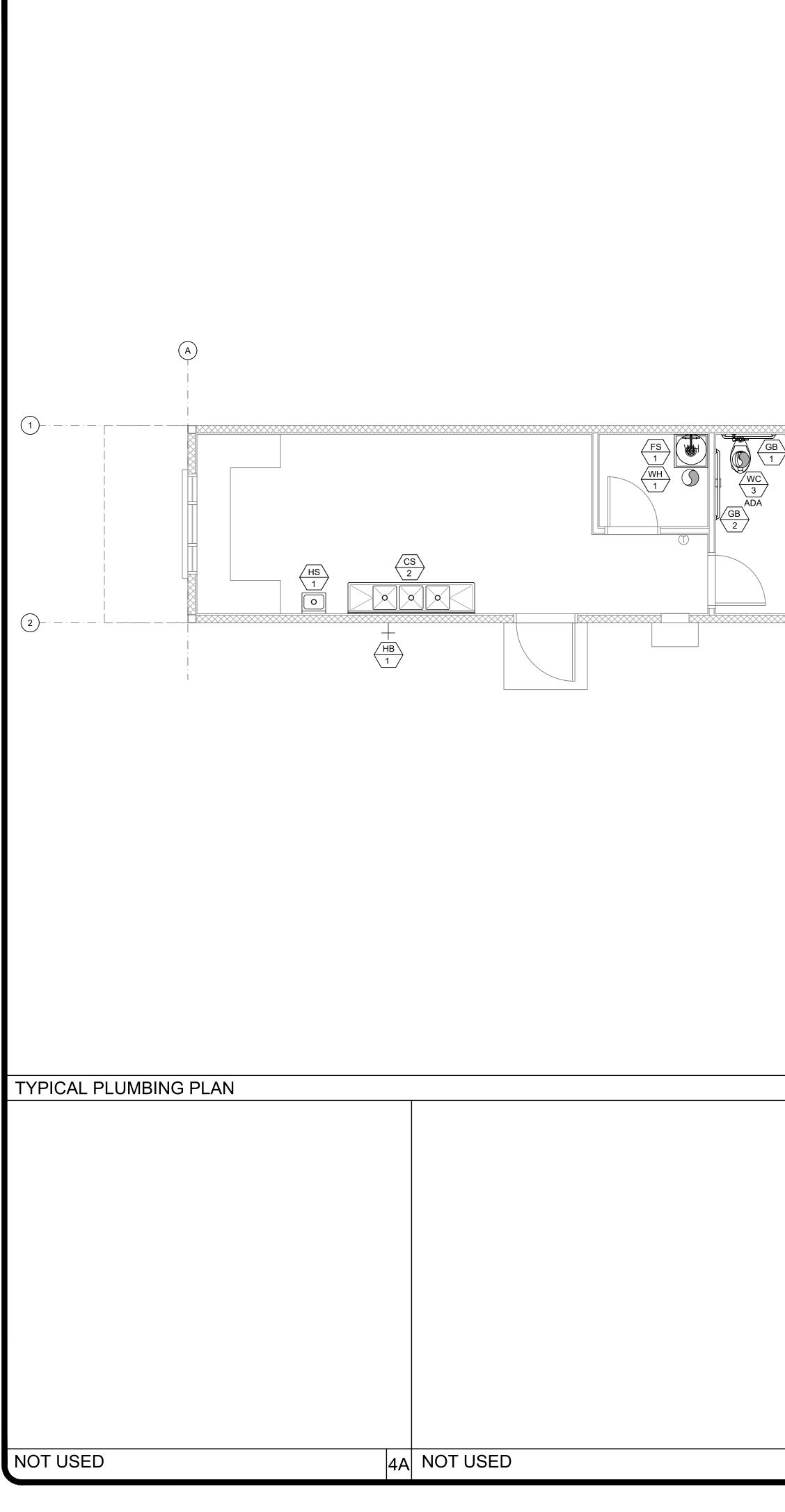


Image: State of the state								
				(AGES 5-8)	(AGES 9-12)	(AGES 13-ADULT)		
			CANNOT USE	'KINGSTON' MODEL K-4325 OR EQUAL. LOWEST AT 12" <del>A.F.F FLOW R</del> ATE OF 1.28	'KINGSTON' MODEL K-4325 OR EQUAL. LOWEST AT 15" A.F.F FLOW RATE OF 1.28	'KINGSTON' MODEL K-4325 OR EQUAL. LOWEST AT 17" A.F.E FLOW RATE OF 1.28	Z6000AV-HET - 1.28 G.P.F OR EQUAL. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER	REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹
			AMERICAN STANDARD #3128.001 FOR B <u>OWL</u> #40 <del>19.228</del> LEFT TANK	STANDARD w/2L2050T SEAT (2" THICK) #3128.001 FOR BOWL #4019.228 LEFT TANK	TYPE KOHLER 'WELLWORTH' MODEL K-3998	TYPE KOHLER 'WELLWORTH' MODEL K-3999 OR EQUAL	G.P.F - LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES	DATE: 06/24/2022
			FLOOR MO <del>UNT FLUSH VALVE</del> TYPE KOHLER 'PRIMARY' MODEL K-96064 OR EQUAL.	FLOOR MOUNT FLUSH VALVE TYPE KOHLER 'JUVENILE ULTRA' MODEL K-96059 OR EQUAL -	TYPE KOHLER WELLCOMME ULTR MODEL K-96053 OR EQUAL -	FLOOR MOUNT FLUSH VALVE TYPE A' KOHLER 'HIGHCLIFF ULTRA' MODEL K-96057 OR EQUAL -	Z6000AV-HET - 1.28 G.P.F OR EQUAL. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER	- MS°
			'KINGSTON'				MODEL 86100-XL-3M - COLD WATER ONLY - SINGLE SPOUT MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0 - FLOW RATE OF 0.5 G.P.M. METER FAUCETS SHALL	787 Spreckels Ave., Manteca, CA 95336 Phone (209) 825-1921 Fax (209) 825-7018
Image: Note: The second sec			'KINGSTON'				ADULT RESTROOM - ZURN MODEL Z7440-XL-FC HOT/COLD WATER - 4" ON CENTER HOLE. MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER	COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS) AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR
Image:	B		KOHLER MODEL DEXTER K-5452-ET-0 OR EQUAL				(0.125gpf) OR EQUAL. MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE	CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR
Image:			BOBRICK MODEL B165 18X30 OR				MOUNT ACCESSIBLE	PRE-CHECKED SET NAME 12' x 40' STANDARD MODULAR
Image: Section de media     Image: Section de media       Image: Section de media     Image: Section de media <td></td> <td>GB GRAB BARS</td> <td>SPECIALTIES INTERNATIONAL MODEL 8736 &amp; 8748 (1 1/4" CONCEALED SCREW</td> <td></td> <td></td> <td></td> <td>FINISH MOUNT AS SPECIFIED IN FLOOR PLANS AND PER SCHEDULE 10/P2.0. (STRUCTURAL STRENGTH OF GRAB BARS</td> <td></td>		GB GRAB BARS	SPECIALTIES INTERNATIONAL MODEL 8736 & 8748 (1 1/4" CONCEALED SCREW				FINISH MOUNT AS SPECIFIED IN FLOOR PLANS AND PER SCHEDULE 10/P2.0. (STRUCTURAL STRENGTH OF GRAB BARS	
Image: Second		WH 1 WH	WATER HEATER MODEL PROE20-1-RH-POU 240 VOLT SINGLE PHASE				GALLON MODELS (MAX WATER HEATER WEIGHT) PER 6/M1.4 OR 1/P2.0	CORCORAN JOINT USD
Image: set of the set of th		TWH WATER HEATER	INSTANT-TEMP WATER HEATER MODEL M20L/240 INSTANT					
Image: Section Processing Processin			MOLDED MOP RECEPTORS MODEL MSR-2424 W/ 3"					
USE DEFINING       USE DEFINING <td< td=""><td></td><td></td><td>ELORESTONE FM</td><td></td><td></td><td></td><td></td><td></td></td<>			ELORESTONE FM					
Image: second method with the second method meth		FD FLOOR DRAIN	SIOUIX CHIEF MODEL MODEL 822-2DNRV OR EQUAL					
		FD 2 FLOOR DRAIN	ZURN MODEL P415-CC W/ STANDARD GRATE ZURN 33160-002 OR EQUAL				(FLOOR DRAIN TO BE USED ON CONCRETE ONLY.) 1/4" MAX. OPENING IN	
Contract 2000 Participants     Contract 2000 Participant     Contract     C		HS E	SINK					CHISED ARCHIER
1 AL WITCH TRUE REQUIREMENTS OF OUR GREEN TIE SURVEY AUX MARK WEINE SOUTH SURVEY AUX UNDER CONSERVING PLANE.      1 AL WITCH TRUE REQUIREMENTS OF OUR GREEN TIE SURVEY AUX MARK WEINE SOUTH SURVEY AUX UNDER CONSERVING PLANE.      1 AL WITCH TRUE REQUIREMENTS OF OUR GREEN TIE SURVEY AUX OF DRAW WEINE SOUTH SURVEY AUX UNDER CONSERVING PLANE.      1 AL WITCH TRUE REQUIREMENTS OF OUR GREEN TIE SURVEY AUX OF DRAW WEINE SOUTH SURVEY AUX OF DRAW WEINES AUX OF DRAW WAITH AND AUX OF DRAW WAITH		CS     SINK       2     Image: CS       4     Image: CS	3 SINK; 2 DRAIN BOARDS MODEL: SS-3-1717-2D18 STANDARD HOSE BIBB ARROWHEAD MODEL 353LKLF				LOCATE AS SPECIFIED ON FLOOR PLANS.	Presentation of the second sec
BALE : MPETO     1     PLUMBING FIXTURE SCHEDULE     INTERNO       BALE : MPETO     REPNICE     REPNICE     REPNICE		<ol> <li>ALL WATER FIXTURES MI</li> <li>FOR OPTIONAL ACCESSII</li> <li>NOT ALL ITEMS LISTED M</li> <li>THERE SHOULD BE NO S</li> </ol>	BLE FLOOR-MOUNT WATER CLOSET, IAY OCCUR IN THIS PROJECT. HARP OR ABRASIVE UNDER LAVS OF	SEE PLUMBING SCHEDULE MARK W		ING FIXTURES & FITTINGS".		
A       PLUMBING PICTURE ID - SEE SCHEDULE AROVE       PLUMBING PICTURE ID - SEE SCHEDULE AROVE         A       A         A       A         A       A         B       NORTH THE PICTURE ID - SEE SCHEDULE AROVE         A       A         A       A         B       NORTH THE PICTURE ID - SEE SCHEDULE FAROVE         A       A         A       A         B       NORTH THE PICTURE ID - SEE SCHEDULE FAROVE         A       A         B       PILUMBING PICTURE ID - SEE SCHEDULE FAROVE         A       A         B       PILUMBING PICTURE ID - SEE SCHEDULE FAROVE	SCALE : 1/4"=1'-0" 1			PLUMBING FIXTU	JRE SCHEDULE			UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.
<ul> <li>4. RESTROOM MODULE CANNOT STAND ALONE AND SHALL BE ASSEMBLED TOGETHER WITH AT LEAST ONE OTHER 12x40 MODULE.</li> <li>4. IN RESORM WALLS MAY COLOR THROUGHOUT BUILDING, REFER TO SHEET S8.1 OR S9.1 FOR ATTACHMENTS.</li> <li>6. REFER TO SCHEDULE ABOVE</li> <li>4. RESTROOM MODULE CANNOT STAND ALONE AND SHALL BE ASSEMBLED TOGETHER WITH AT LEAST ONE OTHER 12x40 MODULE.</li> <li>6. INTERIOR WALLS MAY COLOR THROUGHOUT BUILDING, REFER TO SHEET S8.1 OR S9.1 FOR ATTACHMENTS.</li> <li>7. REFER TO SCHEDULE 10, 3, 4 &amp; 5, SHEET A7.1 FOR TOILET PARTITION ANCHORAGE BLOCKING.</li> <li>8. SEMER AND WATER STUB OUTS SHALL BE LOCATED WITHIN THE ALLOWABLE AREA AS SHOWN ON FLOOR PLAN AND CONNECTIONS SHALL BE EASILY ACCESSIBLE FOR NUTWER RELOCATION. STUB OUT HEIGHT SHALL BE COORDINATED BY THE MANUPACTURER.</li> <li>9. PIPINS MATERAL a. WATER: COAPER TY E<sup>11</sup>, 965 SOLDER.</li> <li>9. WATER TO SHEET M1.0 FOR TYPICAL BRACING AND ANCHORAGE NOTES.</li> <li>10. REFER TO SHEET M1.0 FOR TYPICAL BRACING AND ANCHORAGE NOTES.</li> </ul>						MODULAR MFR. TO STUB THROU PERIMETER POC'S SHOWN ARE F UNDER-FLOOR CONNECTIONS AF 1. DIMENSIONS ARE TO FACE OF FI F.O.C., €) 2. RESTROOM CONFIGURATION MA 3. RESTROOM MODULE OCCURS O	FOR COORDINATION PURPOSES ONLY. ALL RE BY SITE CONTRACTOR, U.O.N. INISH (F.O.F.) UNLESS NOTED OTHERWISE (i.e. NY VARY PER BUILDING CONFIGURATION. NLY AT END OF BUILDING. SINGLE RESTROOMS	Image: ABD   SCALE:     AS NOTED
ACCESSIBLE FOR FUTURE RELOCATION. STUB OUT HEIGHT SHALL BE COORDINATED BY THE MANUFACTURER. 9. PIPING MATERIAL a. WATER: COPPER TYPE "L", 95/5 SOLDER. b. WASTE DRAIN AND VENT: ABS. 10. REFER TO SHEET M1.0 FOR TYPICAL BRACING AND ANCHORAGE NOTES.			$\begin{pmatrix} A \\ 1 \end{pmatrix}$ = PLUMBING	FIXTURE I.D SEE SCHEDULE ABOV	E	<ol> <li>RESTROOM MODULE CANNOT ST TOGETHER WITH AT LEAST ONE</li> <li>INTERIOR WALLS MAY OCCUR TH OR S9.1 FOR ATTACHMENTS.</li> <li>REFER TO SCHEDULE 10/P2.0 FO</li> <li>REFER TO DETAILS 1, 3, 4 &amp; 5, SH BLOCKING.</li> <li>SEWER AND WATER STUB OUTS</li> </ol>	TAND ALONE AND SHALL BE ASSEMBLED OTHER 12'x40' MODULE. HROUGHOUT BUILDING. REFER TO SHEET S8.1 OR ACCESSIBLE HEIGHTS AT TOILETS. HEET A7.1 FOR TOILET PARTITION ANCHORAGE SHALL BE LOCATED WITHIN THE ALLOWABLE	PROJECT NO: 1663-21 SHEET TITLE: RESTROOM OPTIONS PLUMBING PLANS
4B NOT USED 5 MBOLS LEGEND GENERAL NOTES						ACCESSIBLE FOR FUTURE RELO COORDINATED BY THE MANUFAC 9. PIPING MATERIAL a. WATER: COPPER TYPE "L", 9 b. WASTE DRAIN AND VENT: AE	CATION. STUB OUT HEIGHT SHALL BE CTURER. 95/5 SOLDER. 3S.	SHEET NUMBER: P1.0
	4B NOT USED		5	SYMBOLS LEGEN	ND	GENE	RAL NOTES	

