

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

VENTURA COMMUNITY COLLEGE - CHILD DEVELOPMENT CENTER 4667 TELEGRAPH RD. VENTURA, CA.9003

DRAWING LIST - PC 02-120719 MODULAR BUILDING & SHADE STRUCTURE PC 04-119454

GENERAL	E401	POWER PLAN - ENLARGED AREA
G0.00	TITLE SHEET	
G0.01	GENERAL NOTES & ABBREVIATIONS	E405 POWER PLAN - MODULAR BUILDING
G0.02	GENERAL NOTES & ABBREVIATIONS	E410 TYPICAL ELECTRICAL PLAN
G0.03	ACCESSIBILITY NOTES AND DETAILS	E600 ELECTRICAL DETAILS
G0.04	CAMPUS SITE PLAN	FIRE ALARM
CIVIL	FA100	FIRE ALARM GENERAL NOTES, SYMBOLS & ABBREVIATION
C1.00	SITE DEMOLITION AND GRADING PLAN	FA101 ENLARGED FIRE ALARM PLAN
C1.50	DEMOLITION PLAN	FA102 FIRE ALARM DETAIL SHEET
C2.00	SITE DEMOLITION AND GRADING PLAN	FA103 FIRE ALARM RISER DIAGRAM, VOLTAGE DROP & BATTERY CALC
LANDSCAPE	FA104	FIRE ALARM DATA SHEETS
L1.1	RENOVATED LANDSCAPE PLAN	FA105 FIRE ALARM DATA SHEETS
L1.2	PLANTING PLAN	FA106 FIRE ALARM DATA SHEETS
L2.1	IRRIGATION PLAN	FA107 FIRE ALARM DATA SHEETS
L3.1	LANDSCAPE DETAILS	FA108 FIRE ALARM DATA SHEETS
L3.2	SHADE CALCULATIONS	FA109 FIRE ALARM DATA SHEETS
L3.3	MWELO WORKSHEET	FA110 FIRE ALARM DATA SHEETS
FIRE PROTECTION		
FP0.01	LOCAL FIRE AUTHORITY SITE PLAN	AMERICAN MODULAR SYSTEM
ARCHITECTURE	0-TS	TITLE SHEET
A0.21	CODE & EGRESS ANALYSIS	0-TS2 SHEET INDEX
A0.22	SITE PLAN	0.D1 FORM DSA-103
A0.23	ENLARGED SITE PLAN-DEMOLITION	0.N1.0 GENERAL NOTES& SPECIFICATIONS
A0.24	ENLARGED SITE PLAN - PROPOSED	0.N2.0 GENERAL NOTES& SPECIFICATIONS
A1.10	ENLARGE FLOOR PLAN - MODULAR BUILDING & ACCESSIBLE GATE	0.N3.0 TYPICAL SCHEDULES DOORS, WINDOWS & FINISHES
A2.01	EXTERIOR ELEVATIONS & DETAILS - MODULAR BUILDING	0.N4.0 ACCESSIBILITY STANDARDS AND DETAILS
A4.01	INTERIOR ELEVATIONS - RESTROOM	0.N5.0 MULTIPLE FLOOR PLAN CONFIGURATIONS
A5.01	DETAILS	0E.N.1 ENERGY CALCULATIONS
A5.02	CEILING NOTES AND DETAILS	0E.N.2 ENERGY CALCULATIONS
A6.01	DOOR SCHEDULE, SIGNAGE SCHEDULE & DETAILS	0E.N.3 ENERGY CALCULATIONS
A7.01	SIGNAGE DETAILS	0E.N.4 ENERGY CALCULATIONS
USA SHADE		
0 P.C. T-1.0	TITLE SHEET	0E.N.5 ENERGY CALCULATIONS
0 P.C. T-2.0	DSA 103 SAMPLE FORMS	0E.N.6 ENERGY CALCULATIONS
0 P.C. T-2.1	DSA 103 SAMPLE FORMS	0E.N.7 ENERGY CALCULATIONS
0 P.C. T-3.0	DSA 103 SAMPLE FORMS	0E.N.8 ENERGY CALCULATIONS
0 P.C. T-3.1	DSA 103 SAMPLE FORMS	0E.N.9 ENERGY CALCULATIONS
21.1-1000	PRODUCT INFORMATION	0E.N.10 ENERGY CALCULATIONS
21.2-2000	REACTIONS	A1.0 TYPICAL FLOOR PLAN
PLUMBING		A2.0 TYPICAL ROOF PLAN METAL STANDING SEAM
P1.0	PLUMBING NOTES & SCHEDULE	A2.2 TYPICAL ROOF DETAILS METAL STANDING SEAM
P2.0	PLUMBING SITE PLAN	A4.0 INTERIOR ELEVATIONS TYPICAL CLASSROOM
P2.1	ENLARGED PLUMBING PLANS	A4.0A INTERIOR ELEVATIONS TYPICAL OFFICE
ELECTRICAL		
E100	GENERAL NOTES, ABBREVIATIONS, SYMBOLS & DRAWING LIST	A5.0 TYPICAL EXTERIOR ELEVATIONS
E130	SITE LIGHTING PLAN	A5.1 TYP. ARCHITECTURAL DETAILS
E131	SITE LIGHTING PHOTOMETRIC PLAN	A6.0 TYPICAL LONGITUDINAL AND TRANSVERSE BUILDING SECTIONS
E132	S1 FIXTURE MANUFACTURE SHEETS	A7.1 MISCELLANEOUS ARCHITECTURAL DETAILS
E133	S2A FIXTURE MANUFACTURE SHEETS	AS0.0 LIGHT GUAGE STEEL MEMBER
E134	S2B FIXTURE MANUFACTURE SHEETS	AS2.1 WOOD FOUNDATION PLAN 50 PSF LIVE LOAD + 15 PSF PARTITION LOAD
E140	POWER PLAN - ENLARGED AREA	AS2.4 WOOD FOUNDATION DETAILS
E200	ELECTRICAL SINGLE LINE DIAGRAM AND PANEL SCHEDULES	

STATEMENT

RESPONSIBLE ENGINEER/ARCHITECT HAS VERIFIED THE LOCATION OF THE UTILITIES SHOWN AS EXISTING AND THAT THEIR CAPACITY IS ADEQUATE FOR THE ADDITIONAL LOAD

Jean Amador
SIGNATURE OF THE ARCHITECT JANUARY 30, 2023
DATE

SCOPE OF WORK

- 1. RELOCATION OF ONE (1) 02-120719 - MODULAR BUILDING (40' X 48').
- 2. CONSTRUCTION OF TWO (2) PC 4- POST HIP MODEL- DSA401303012-19 (30' X 30') SHADE STRUCTURES
- 3. UPGRADE PATH OF TRAVEL FROM RELOCATED MODULAR BUILDING TO ENTRY OF EXISTING CHILD DEVELOPMENT CENTER BUILDING TO BE 2019 CODE COMPLIANT.
- 4. ADD VAN ACCESSIBLE PARKING SPACE.
- 5. UPGRADE EXISTING ACCESSIBLE RESTROOM INSIDE EXISTING CHILD DEVELOPMENT CENTER BUILDING TO BE 2019 CODE COMPLIANT AND INSTALL FIRE ALARM NOTIFICATION DEVICES IN RESTROOM.

SITE SPECIFIC STRUCTURAL DESIGN CRITERIA

SEISMIC:	WIND:	CLIMATE:
RISK CATEGORY: II	WIND IMPORTANCE FACTOR: 1.0	ZONE 6
SITE CLASS: D-DEFAULT	EXPOSURE CATEGORY: C	
Ss = 1.992	WIND SPEED: 93 MPH	
S1 = 0.749		
SITE SPECIFIC: THE SITE IS NOT IN A WILDLAND URBAN INTERFACE AREA.		

CODE ANALYSIS

EXISTING CHILD DEVELOPMENT CENTER AF 03-53955
OCCUPANCY GROUP: E DIV. 3
CONSTRUCTION TYPE: V-N
NUMBER OF STORIES: 1
BUILDING HEIGHTS: 16 FEET (40 FEET MAX. ALLOWED PER UBC 1988 TABLE 5-D)
BUILDING AREA: ENCLOSED AREA 7,782.25 SF
COVERED WALKS 475.25 SF
TOTAL: 8,257.50 SF

FIRE SPRINKLERS: NONE
PROPOSED MODULAR CLASSROOM PC 02-120719
OCCUPANCY GROUP: E (CLASSROOM USE FOR COLLEGE)
CONSTRUCTION TYPE: V-B
NUMBER OF STORIES: 1
BUILDING HEIGHTS: 13.5 FEET
BUILDING AREA: 1,920 SF
FIRE SPRINKLERS: NONE

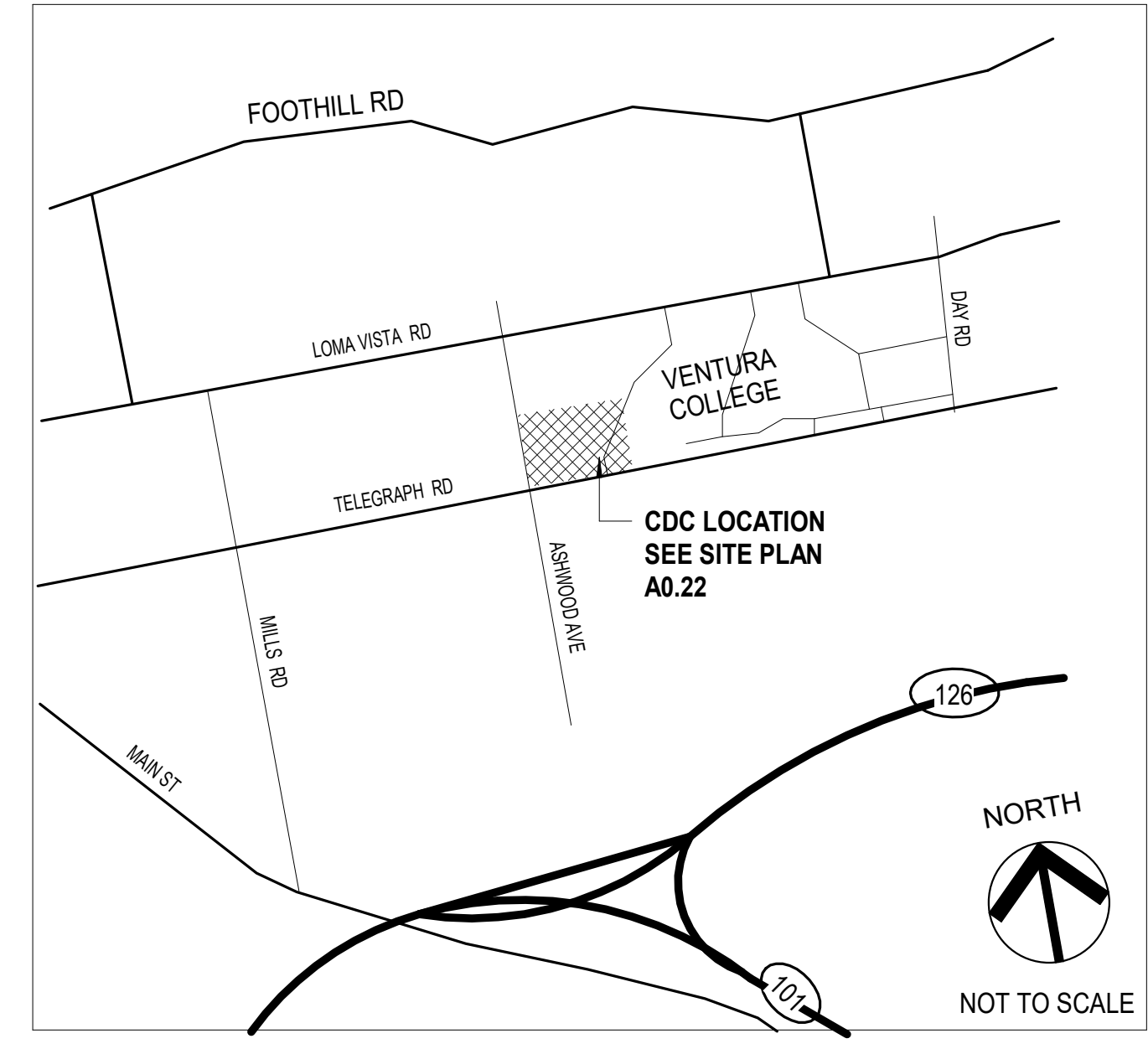
OCCUPANT LOAD FACTOR: (1004.5)
ONE MODULAR BUILDING = (20 NET - ONE CLASSROOM USED FOR TABLES AND CHAIRS) + (150 GROSS - 3 OFFICES)

OCCUPANT LOAD 1442.03 S.F. / 20 S.F. PER OCCUPANT = 72 OCCUPANTS (CLASSROOM AREA 101)
100.03 S.F. / 150 S.F. PER OCCUPANT = 1 OCCUPANT (OFFICE 102, 103, 104)

SHADE STRUCTURES - PC

OCCUPANCY TYPE: A-3
CONSTRUCTION TYPE: VB
ACTUAL BUILDING HEIGHT ABOVE GRADE: 14' - 0" MAX.
ALLOWABLE NUMBER OF STORIES ABOVE GRADE (TABLE 504.4) 1 STORY
ACTUAL NUMBER OF STORIES 1 STORY COMPLIANT
ALLOWABLE AREA FACTOR (TABLE 506.2) 9,500 S.F.
ACTUAL FLOOR AREA (900 S.F. EACH) 900 S.F. COMPLIANT
MAX. OCCUPANCY 60
OCCUPANT LOAD FACTOR 35 S.F. PER OCCUPANT
OCCUPANT LOAD (900 S.F. / 35 S.F. = 26) 26 EACH SHADE STRUCTURE

VICINITY MAP



SUBMITTAL: **DSA BACK CHECK V2**
DATE: **01/25/2023**

PROJECT TEAM

ARCHITECT
AMADOR ARCHITECTURE
28328 AGOURA RD. #203
AGOURA HILLS, CA 93021
(805) 530 - 3938

STRUCTURAL
ORION STRUCUTRAL GROUP, INC.
223 E. THOUSAND OAKS BLVD., #304
THOUSAND OAKS, CA 91360
(805) 390 - 9242

LANDSCAPE
JORDAN, GILBERT & BAIN LANDSCAPE ARCHITECTS, INC.
459 N. VENTURA AVE.,
VENTURA, CA 93001
(805) 642-3641

CIVIL ENGINEER
ENCOMPASS CONSULTANT GROUP
333 N. LANTANA STREET, SUITE 287
CAMARILLO, CA 93010
(805) 416 - 8701

MECHANICAL/PLUMBING ENGINEER
AE GROUP PLUMBING ENGINEER, INC.
838 E FRONT STREET,
VENTURA, CA 93001
(805) 416 - 8701

ELECTRICAL ENGINEER
LUCCI & ASSOCIATES, INC.
3251 CORTE MALPASO, SUITE 511
CAMARILLO, CA 93012
(805) 389 - 6520

MODULAR BUILDING SUPPLIER
AMERICAN MODULAR SYSTEM
787 SPRECKELS AVE.
MANTECA, CA 95366
(562) 208 - 8765

SHADE STRUCTURE SUPPLIER
USA SHADE
1085 N. MAIN STREET, SUITE C
ORANGE, CA 92867
(714) 427 - 6981

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.

THESE DRAWINGS OR SHEETS LISTED ON THE INDEX SHEET (DRAWING LIST PC 04-119454 & 02-120719) PLANS & DETAILS HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

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

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

I FIND THAT: ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET IS / ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN, AND THIS DRAWING OR PAGE HAS / HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

Jean Amador
SIGNATURE OF THE ARCHITECT JANUARY 30, 2023
AMADOR WHITTLE ARCHITECTS, INC.
DATE
C-20348 APRIL 31, 2023
LICENSE NUMBER EXPIRATION DATE

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 04/19/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
INCORPORATED 1911

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
781 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADOR

28328 AGOURA RD. 203 | AGOURA HILLS CA, 91301 | 805-698-4324

CONSULTANT

STAMPS/SEALS

DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

△
△
△
△

SHEET TITLE:

TITLE SHEET

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
DRAWN: MC CHECKED: JA
SHEET NUMBER:

G0.00

DATE: 11/29/2022 SHEET: OF **00**

ABBREVIATIONS

&	AND
(E)	EXISTING
@	AT
A.B.	ANCHOR BOLT
A.C.	ASPHALTIC CONCRETE
A.F.F.	ABOVE FINISH FLOOR
A/C	AIR CONDITIONER
ACOUST	ACOUSTICAL
AL	ALUMINUM
ALUM	ALUMINUM
ARCH	ARCHITECTURAL
B.O.C.	BOTTOM OF COPING
B.U.R.	BUILT UP ROOFING
BD	BOARD
BLDG	BUILDING
BLK	BLOCK OR BLOCKING
BOT	BOTTOM
C.I.	CAST IRON
C.J.	CEILING JOIST
C.L.	CHAIN LINK
C.L.F.	CHAIN LINK FENCE
C.M.U.	CONCRETE MASONRY UNIT
C.T.	CERAMIC TILE
CAB	CABINET
CER	CERAMIC
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
d	PENNY
D.F	DOUGLAS FIR
DBL	DOUBLE
DEMO	DEMOLITION
DET	DETAIL
DIA.	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DR	DOOR
DS	DOWNSPOUT
DWG	DRAWING
E.J.	EXPANSION JOINT
E.W.C.	ELECTRIC WATER COOLER
EA	EACH
ELEC	ELECTRICAL
EQ	EQUAL
EQUIP	EQUIPMENT
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F.D.	FLOOR DRAIN
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
F.H.C.	FIRE HOSE CABINET
F.O.C.	FACE OF CONCRETE
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
F.R.	FIRE RATED, FIRE RESISTANT
F.S.	FINISHED SURFACE
FIN	FINISH
FLR	FLOOR
FR	FRAME
FT	FOOT OR FEET
FTG	FOOTING
G.I.	GALVANIZED IRON
G.W.B.	GYPSTUM WALLBOARD
GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL
GYP	GYPSTUM
H.M.	HOLLOW METAL

ABBREVIATIONS

HDB	HARDBOARD
HDR	HEADER
HDW	HARDWARE
HI	HIGH
HT	HEIGHT
IN	INCHES
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
K.D.	KNOCK-DOWN
LAM	LAMINATE
LAV	LAVATORY
LBS	POUNDS
M.O.	MASONRY OPENING
M.R.	MOISTURE RESISTANT
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
N/A	NOT AVAILABLE
NO., #	NUMBER
O.C.	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
PL	PLASTIC
PR	PAIR
PT	POINT
PWD	PLYWOOD
R	RISER
R.C.P.	REFLECTED CEILING PLAN
R.D.	ROOF DRAIN
R.O.	ROUGH OPENING
REF	REFERENCE
REFL	REFLECTED
REINF	REINFORCING
REQ'D	REQUIRED
REV	REVISION
RM	ROOM
S & P	SHELF AND POLE
S.F.	SQUARE FEET
S.S.	STAINLESS STEEL
SCHED	SCHEDULE
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SQ	SQUARE
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPEND, SUSPENDED
T	TEMPERED
T & G	TONGUE AND GROOVE
T.O.C.	TOP OF CURB
T.O.P.	TOP OF PLATE
T.O.P.	TOP OF PARAPET
T.O.W.	TOP OF WALL
TEL	TELEPHONE
THK	THICK
TYP	TYPICAL
U.L.	UNDERWRITERS LABORATORIES
U.N.O.	UNLESS NOTED OTHERWISE
V.C.T.	VINYL COMPOSITION TILE
V.I.F.	VERIFY IN FIELD
VERT	VERTICAL
VEST	VESTIBULE
W.C.	WATER CLOSET
W.H.	WATER HEATER
W.R.	WATER RESISTANCE
W.W.M.	WELDED WIRE MESH
W	WITH
WD	WOOD
WDW	WINDOW

ENERGY CODE NOTE:

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

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

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

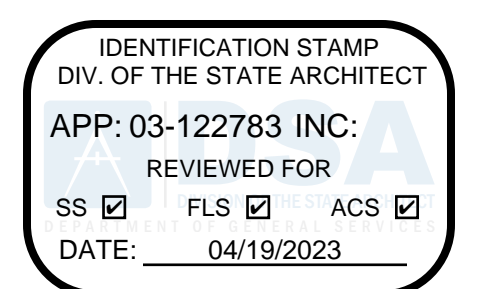
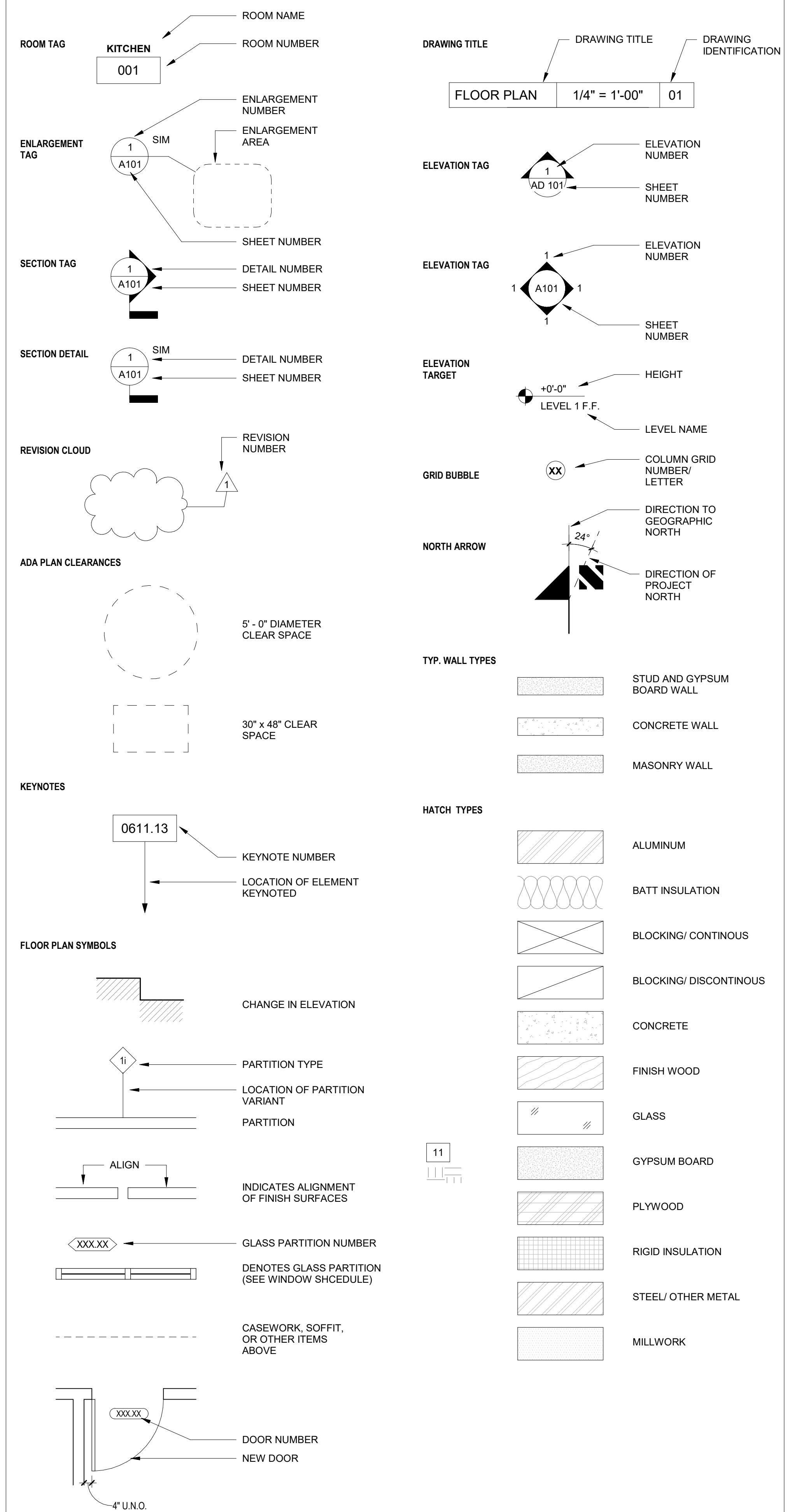
ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

A LISTING OF CERTIFIED ATT CAN BE FOUND AT:
[HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE.](https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance)

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

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

SYMBOL & HATCH LEGEND



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 761 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
 4667 TELEGRAPH RD.
 VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADÒR

28328 AGOURA RD. 203 | AGOURA HILLS CA, 91301 | 805-658-4334
 CONSULTANT

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

△
 △
 △
 SHEET TITLE:

GENERAL NOTES & ABBREVIATIONS

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
 DRAWN: MC CHECKED: JA
 SHEET NUMBER:

G0.01

DATE: 11/29/2022 SHEET: OF

GENERAL NOTES

1. INTERPRETATION OF CONSTRUCTION DOCUMENTS
 - A. ALL INFORMATION DEPICTED IN THESE DRAWINGS AND RELATIVE TO EXISTING CONDITIONS IS BASED ON THE BEST AVAILABLE DATA AT THE TIME THESE CONSTRUCTION DOCUMENTS WERE BEING EXECUTED, BUT WITHOUT GUARANTEE OF ACCURACY. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE AND SHALL REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO COMMENCING ANY WORK.
 - B. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INCURRED RESULTING FROM THE REMOVAL OR REPLACEMENT OF WORK INSTALLED WITHOUT PROPER COORDINATION TO ALL OTHER TRADES, AND/OR PRIOR TO OBTAINING CLARIFICATION FROM THE ARCHITECT WHERE CONFLICTING INFORMATION EXISTS ON THE DRAWINGS.
 - C. THE CONTRACTOR SHALL FURNISH ALL BIDDERS WITH A COMPLETE SET OF CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO DRAWINGS, SPECIFICATIONS AND ADDENDUMS.
 - D. ALL BIDS AND LINE ITEM COSTS SUBMITTED BY THE CONTRACTOR IN CONJUNCTION WITH HIS SUBCONTRACTORS ARE CONSIDERED TO INCLUDE COMPLETE COORDINATION BETWEEN THE VARIOUS DISCIPLINES AS WELL AS ALL OTHER REQUIREMENTS OF THESE CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO CODE AND PUBLIC UTILITY REQUIREMENTS. FURTHER, WHERE THERE ARE CONFLICTING SOLUTIONS IN THE CONSTRUCTION DOCUMENTS AND BID OR LINE ITEM COST IS SUBMITTED BY THE CONTRACTOR WITHOUT ANY FORMAL WRITTEN REQUEST FOR CLARIFICATION PRIOR TO BID OPENING, ALL SUCH ITEMS WILL BE CONSIDERED TO INCLUDE THE MOST EXPENSIVE OF THE POSSIBLE SOLUTIONS DEPICTED IN THE CONSTRUCTION DOCUMENTS.
 - E. MODIFICATIONS OF DETAILS OF CONSTRUCTION SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ARCHITECT AND DSA.
2. CONTRACTOR SHALL VISIT THE SITE TO INVESTIGATE AND VERIFY ALL DIMENSIONS AND EXISTING SITE CONDITIONS AT JOB SITE PRIOR TO START OF WORK.
3. ALL DIMENSIONS INDICATED ARE BELIEVED TO BE ACCURATE, BUT ARE NOT GUARANTEED TO BE SO. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT. COORDINATE WITH EXISTING CONDITIONS WHERE INSUFFICIENT DETAIL DIMENSIONS ARE AVAILABLE. ALL DIMENSIONS ARE TO FINISHED FACE OF CONSTRUCTION OR CENTERLINE OF COLUMNS UNLESS NOTED OTHERWISE. DIMENSIONS NOTED AT "CLR" (CLEAR) ARE NOT ADJUSTABLE WITHOUT ARCHITECT'S APPROVAL.
4. DIMENSIONS SHOWN SHALL HAVE PREFERENCE OVER SCALE.
5. ALL ITEMS INCLUDING BUILDINGS SHOWN ARE NEW UNLESS NOTED AS EXISTING (E).
6. CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT EXISTING PIPELINES AND UTILITIES THAT ARE TO REMAIN IN SERVICE. CONTRACTOR SHALL VERIFY THAT THOSE PIPELINES AND UTILITIES TO BE REMOVED HAVE BEEN DISCONNECTED, SHUT DOWN OR ABANDONED PRIOR TO ATTEMPTING REMOVAL OR DEMOLITION IN A MANNER TO AVOID ANY DISRUPTION OF EXISTING FACILITIES.
7. CONTRACTOR SHALL PROTECT ALL SURFACES & FIXTURES TO REMAIN DURING DEMOLITION AND CONSTRUCTION.
8. ALL DAMAGE DONE TO EXISTING CONSTRUCTION AS A RESULT OF DEMOLITION OR INSTALLATION SHALL BE COMPLETELY REPAIRED BY CONTRACTOR AT NO COST TO OWNER. REPAIRED WORK SHALL MATCH EXISTING CONSTRUCTION.
9. CONTRACTOR SHALL REPAIR AND PATCH UP ALL DAMAGES TO EXISTING SURFACES CAUSED BY REMOVAL OF EXISTING EQUIPMENT ATTACHED TO EXISTING SURFACES. (CHALKBOARDS, BOOKSHELVES, TACKBOARDS, WALL HEATERS, PIPING, ETC.)
10. WHERE PATCHES ARE REQUIRED IN EXISTING, SURFACES ADJACENT MATERIAL SHALL BE MATCHED IN TEXTURE AND FINISH.
11. "DEMOLISH" AND "REMOVE" SHALL MEAN TO DEMOLISH, REMOVE FROM THE SITE AND DISPOSE OF IN A LEGAL MANNER UNLESS NOTED OTHERWISE. TERMINATE PIPING BELOW SUBSTRATE FOR PATCHING. ELECTRICAL WIRE DISCONNECT SHALL BE AT THE SOURCE OF POWER.
12. CONTRACTOR TO HAVE ALL SALVAGE RIGHTS TO ALL DEMOLISHED COMPONENTS AND EQUIPMENT. SALVAGE RIGHTS TO BE REFLECTED IN THE BID PROPOSAL TO THE DISTRICT BY WAY OF A BID COST REDUCTION. THE DISTRICT DOES NOT WANT ANY DEMOLISHED COMPONENTS OR EQUIPMENT BACK.
13. CONTRACTOR SHALL THOROUGHLY CLEAN AND SECURE THE AREA OF CONSTRUCTION AFTER EACH DAY OF WORK. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS OFF SITE.
14. LOCATIONS OF STRUCTURES, UNDERGROUND PIPELINES AND UTILITIES WERE OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF ALL PIPELINES AND UTILITIES BEFORE COMMENCING DEMOLITION, EARTHWORK OR CONSTRUCTION WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RETAINING THE SERVICES OF A UTILITY LOCATING COMPANY IF REQUIRED.
15. GENERAL CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS PRIOR TO START OF CONSTRUCTION. ALL QUESTIONS SHALL BE SENT TO ARCHITECT.
16. ALL SALVAGEABLE MATERIALS AND EQUIPMENT TO BE REMOVED SHALL REMAIN THE SOLE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL CONSULT WITH THE OWNER CONCERNING STORAGE AND/OR DISPOSAL OF SUCH EQUIPMENT. OWNER HAS FULL SALVAGE RIGHTS. ALL REMOVED MATERIALS OTHER THAN ITEMS TO BE SALVAGED, OR REUSED SHALL BECOME CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE PROJECT SITE.
17. ALL WORK, INCLUDING REMOVAL OF EXISTING WORK, SHALL BE PERFORMED IN A MANNER THAT MINIMIZES THE AMOUNT OF NOISE, DUST, TRAFFIC AND/OR OTHER FORMS OF DISTURBANCES IN COMPLIANCE WITH ALL APPLICABLE CODES AND ORDINANCES SO THAT THE PUBLIC, STUDENTS AND STAFF, AS WELL AS OTHER OCCUPIED AREAS OF THE SCHOOL ARE SUBJECTED TO AS LITTLE DISRUPTION AS REASONABLY POSSIBLE.
18. ROUTES OF INGRESS AND EGRESS FOR MATERIALS AND WORKMEN, AND LIMITS OF THE PROJECT AREA WILL BE DESIGNATED BY THE OWNER. THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES WITHIN SUCH LIMITS. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ADEQUATE SAFETY AND DUST BARRIERS IN THE SITE, ACROSS CORRIDORS AND ELSEWHERE AS REQUIRED.
19. SHUT DOWN OF EXISTING AND OPERATING PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS OR PORTIONS THEREOF SHALL BE COORDINATED IN ADVANCE WITH THE OWNER.
20. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN ON THE ARCHITECTURAL DRAWINGS WITH THE SPECIFICATIONS AND THE WORK SHOWN ON THE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS. ANY DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING BEFORE PROCEEDING WITH ANY RELATED WORK.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIRE RATING CONTINUITY OF STRUCTURE, WALLS, FLOOR AND CEILINGS INTERRUPTED BY THE WORK OF ALL TRADES. THIS INCLUDES, BUT IS NOT LIMITED TO, FIRE RATED ENCLOSURES AT THE CEILING AND WALLS OF CORRIDORS AND STORAGE ROOMS, DUCT SHAFTS.
22. PROVIDE ALL NECESSARY BLOCKING, BACKING AND FRAMING FOR LIGHT FIXTURES, ELECTRICAL UNITS, A/C EQUIPMENT, TOILET FIXTURES & ACCESSORIES, RAILINGS, GRAB BARS, AND ALL OTHERS REQUIRING SAME.
23. CEILING HEIGHT DIMENSIONS ARE FROM FINISH FLOOR TO FINISH FACE OF CEILING.
24. WHERE NEW WALLS ALIGNS WITH EXISTING WALL, PROVIDE SMOOTH INVISIBLE TRANSITION BETWEEN NEW AND EXISTING.
25. NEW GYPSUM BOARD FINISH SHALL BE 5/8" TYPE 'X' OR AS REQUIRED FOR UL FIRE-RATING AS INDICATED ON DRAWINGS.
26. GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY EIGHT (8) FEET HIGH CHAIN LINK FENCE BARRICADES AT WORK AREAS, DISTRICT APPROVED STORAGE AREAS AND WHEREVER NECESSARY TO MAINTAIN A SAFE PASSAGE AND SAFE ENVIRONMENT.
27. BEFORE PROCEEDING WITH THE CORING OR CUTTING OF WALLS AND FLOORS, ETC., THE CONTRACTOR SHALL PREPARE LAYOUT OF CUTTING OR CORING AND SHALL HAVE THE APPROVAL BY THE STRUCTURAL ENGINEER AND THE D.S.A. FIELD DISTRICT ENGINEER IN ORDER TO PROCEED WITH THE CUTTING OR CORING.
28. SAW-CUT EXISTING A.C. PAVING AND/OR CONCRETE FLOOR SLAB AS REQUIRED FOR NEW PIPE INSTALLATION AND NEW DEPRESSED CONCRETE SLAB, AND REPAIR TO MATCH EXISTING.
29. STRENGTH OF CONCRETE
 - A) SLABS ON EARTH, SIDEWALKS AND CURBS: 3,000 PSI AT 28 DAYS
 - B) FOUNDATIONS: 3,000 PSI AT 28 DAYS
30. THE CONTRACTOR SHALL NOT COMMENCE THE WORK, IN PART OR IN FULL, PRIOR TO OBTAINING THE NOTICE-TO-PROCEED (NTP) FROM LAUSD.

GENERAL NOTES

31. IN CASE OF CONFLICT, THE MORE EXPENSIVE CONSTRUCTION MEANS AND METHOD SHALL BE USED.
 32. THE PROVISIONS OF CFC CHAPTER 14 AND CBC CHAPTER 33 SHALL BE ENFORCED ON THIS PROJECT.
 33. THE INFORMATION CONTAINED IN THESE CONSTRUCTION DOCUMENTS ARE TO BE FIELD VERIFIED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR BIDDING.
 34. UNLESS SPECIFICALLY NOTED OTHERWISE IN THESE DRAWINGS, ALL EXISTING CONDITIONS SHALL REMAIN AS-IS.
- DSA GENERAL NOTES**
1. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
 2. A 'DSA CERTIFIED' PROJECT INSPECTOR WITH CLASS 2 CERTIFICATION IS REQUIRED FOR THIS PROJECT.
 3. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
 4. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
 5. ALL WORK SHALL CONFORM TO 2019 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
 6. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-538, PART 1, TITLE 24, CCR.
 7. A 'DSA CERTIFIED' PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).
 8. WORK SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 33 OF CBC & CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION"
 9. DETERIORATION OR EXISTING NON-COMPLIANT CONSTRUCTION: IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF CBC ENFORCED AT THE TIME OF ORIGINAL CONSTRUCTION, THE CONDITION MUST BE CORRECTED IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS. A CONSTRUCTION CHANGE DOCUMENT (CCD-TYPE A), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.
 10. THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE SHALL VERIFY BY APPROPRIATE MEANS, SUBJECT TO DSA APPROVAL, AND SUBMIT A LETTER CERTIFYING THAT THE BUILDINGS DELIVERED ON SITE CONFORM TO THE ORIGINAL DSA-APPROVED PLANS AND SPECIFICATIONS AND HAS NOT SUFFERED STRUCTURAL DETERIORATION OR BEEN STRUCTURALLY ALTERED.

APPLICABLE CODES

LIST OF 2019 CALIFORNIA CODE OF REGULATIONS (C.C.R.): APPLICABLE CODES AS OF JANUARY 1, 2020

PART 1-	2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.
PART 2-	2019 CALIFORNIA BUILDING CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS) (CBC2019-CHAPTER 11B FOR ACCESSIBILITY REQUIREMENTS)
PART 3-	2019 CALIFORNIA ELECTRICAL CODE, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)
PART 4-	2019 CALIFORNIA MECHANICAL CODE, TITLE 24 C.C.R. (2018 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)
PART 5-	2019 CALIFORNIA PLUMBING CODE, TITLE 24 C.C.R. (2018 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)
PART 6-	2019 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.
PART 7-	CURRENTLY VACANT
PART 8-	2019 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24 C.C.R.
PART 9-	2019 CALIFORNIA FIRE CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)
PART 10-	2019 CALIFORNIA EXISTING BUILDING CODE (2018 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)
PART 11-	2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN CODE), TITLE 24 C.C.R.
PART 12-	2019 CALIFORNIA REFERENCE STANDARDS CODE, TITLE 24 C.C.R.

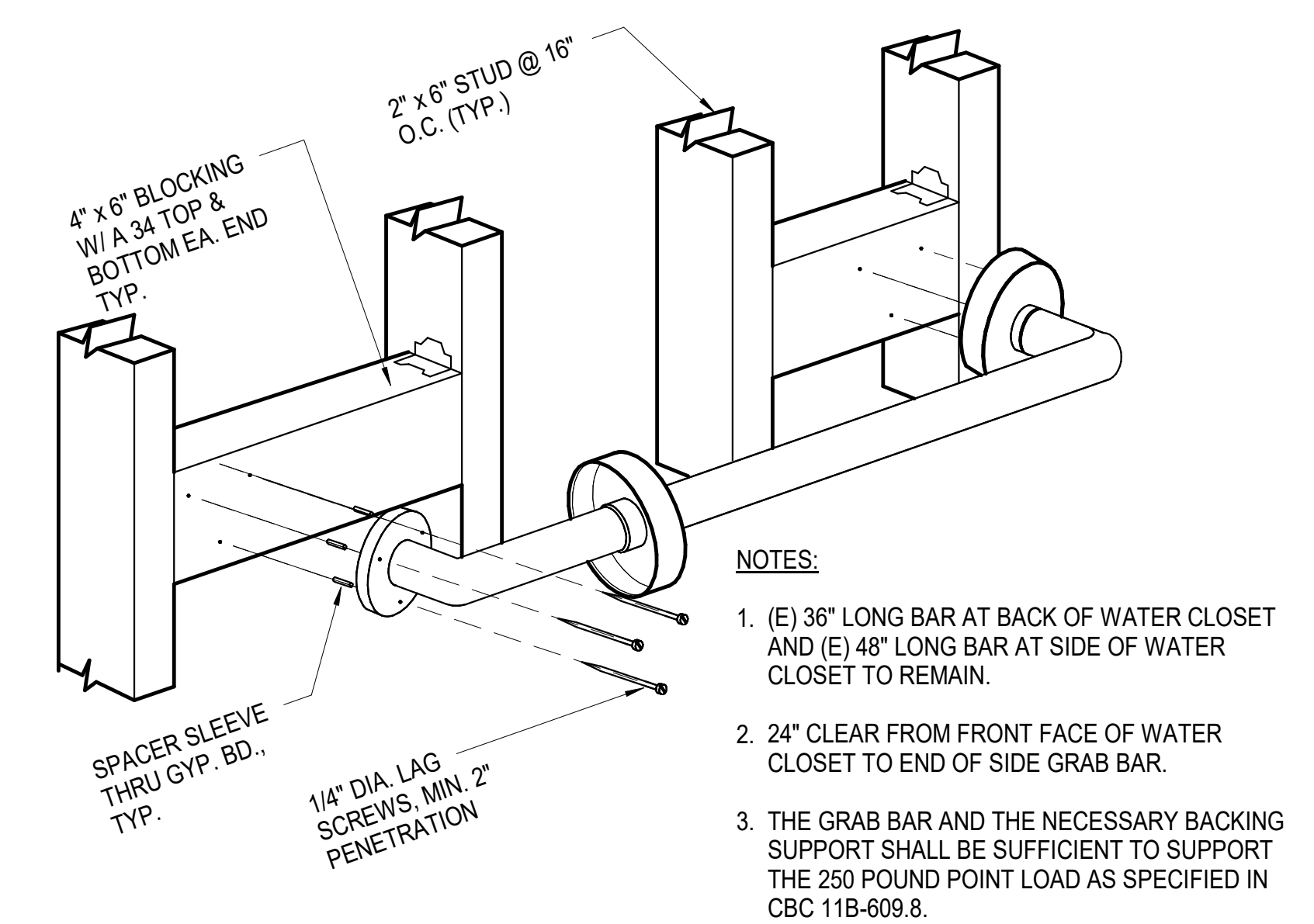
PARTIAL LIST OF APPLICABLE STANDARDS

2019 CALIFORNIA BUILDING CODE (FOR SFM) REFERENCED STANDARDS CHAPTER 35		
NFPA 72	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	2022 EDITION
UL 464	AUDIBLE SIGNALING DEVICES FOR F.A. & SIGNAL SYSTEMS	2017 EDITION
UL 1971	SIGNALING DEVICES FOR THE HEARING IMPAIRED	2010 EDITION(R2010)

DEPARTMENT OF JUSTICE REGULATIONS FOR TITLE II OF THE AMERICANS WITH DISABILITIES ACT OF 1990 WITH REVISED REGULATIONS AS PUBLISHED IN THE FEDERAL REGISTER ON SEPTEMBER 15, 2010, EFFECTIVE MARCH 15, 2012. TITLED ADA STANDARDS FOR ACCESSIBLE DESIGN.

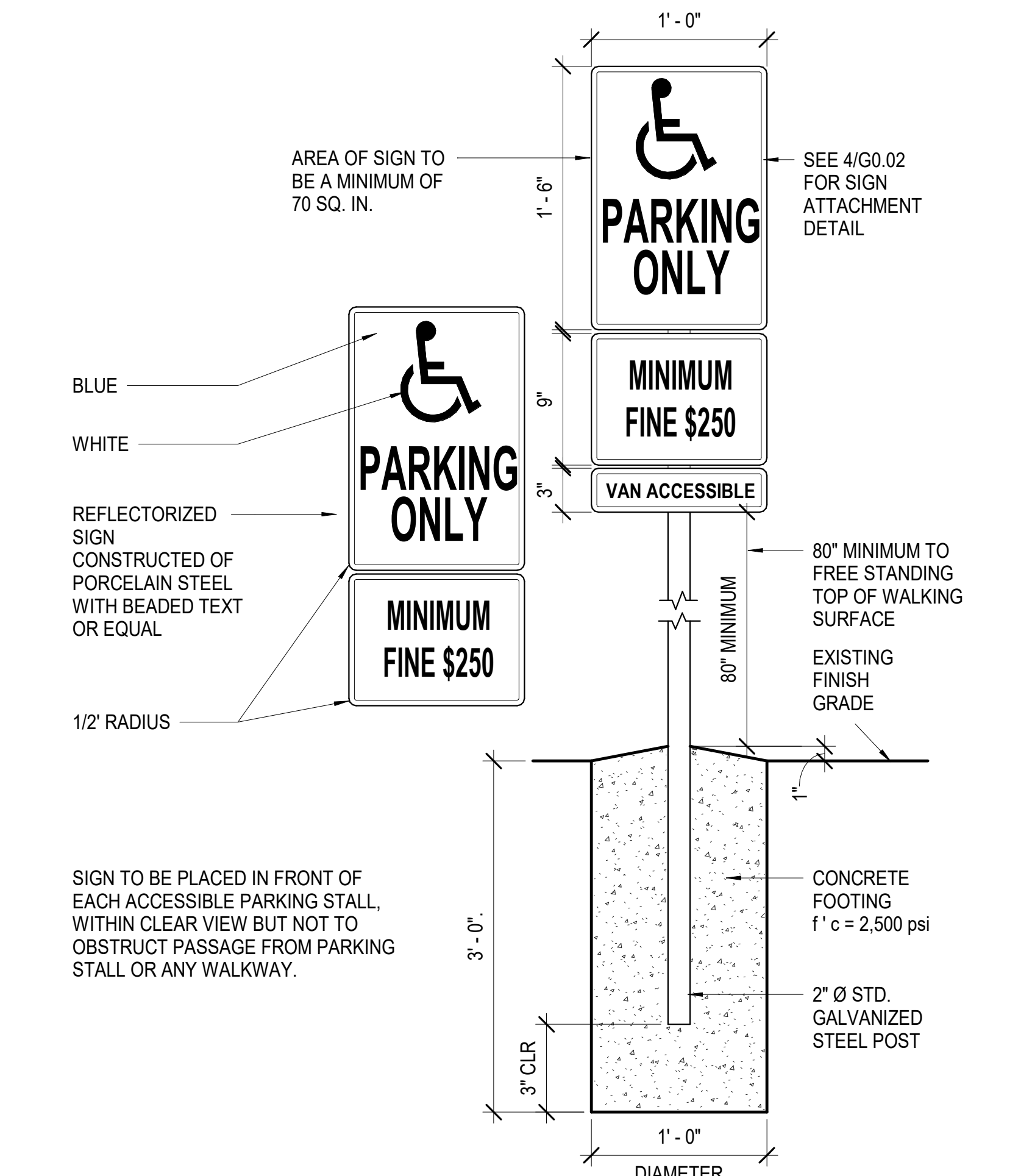
GENERAL ACCESSIBILITY NOTES

1. **SYMBOL OF ACCESSIBILITY**
 - A. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS AS SET FORTH IN THESE BUILDING STANDARDS AND AS SPECIFICALLY REQUIRED IN THIS SECTION. NOTE: SEE FIGURE 11B-703.7.2.1 BELOW. COLOR OF SYMBOL: THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595B. EXCEPTION: THE APPROPRIATE ENFORCEMENT AGENCY MAY APPROVE SPECIAL SIGNS AND IDENTIFICATION NECESSARY TO COMPLEMENT DECOR OR UNIQUE DESIGN WHEN IT IS DETERMINED THAT SUCH SIGNS AND IDENTIFICATION PROVIDES ADEQUATE DIRECTION TO PERSONS WITH DISABILITY. CONTRAST OF SYMBOL: CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.
2. **ENTRANCES**
 - A. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL, SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.
 - B. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES AND 44-INCHES ABOVE THE FLOOR. PANIC HARDWARE TO BE MOUNTED ABOVE 34" TO 44"
 - C. THE FLOOR LANDING ON EACH SIDE OF AND ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR. THE LEVEL AND CLEAR AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60-INCHES AND THE LENGTH OPPOSITE THE SWING OF 48-INCHES AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION.
 - D. THE FLOOR OR LANDING SHALL BE NO MORE THAN 1/2" LOWER THAN THE THRESHOLD OR THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
 - E. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBS FOR EXTERIOR DOOR AND 5 LBS. FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED AS AUTHORIZED BY AUTHORITY HAVING JURISDICTION, NOT TO EXCEED 15 LBS.
3. **ACCESSIBLE ENTRANCES**
 - A. ACCESSIBLE ENTRANCES TO THE BUILDING SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AS REFERENCED HEREIN. SIGNS AT ENTRIES SHALL BE LOCATED SUCH THAT THEY ARE VISIBLE FROM THE MAIN APPROACH TO THE ENTRY.
4. **SIGNS**
 - A. ALL SIGNS (AT MAIN ENTRANCES, TOILETS, PERMANENT ROOMS, ASSISTIVE LISTENING SYSTEM(S) ETC. SHALL COMPLY WITH TITLE 24 AND SECTION 11B-216 AND 11B-703.
5. **PATH OF TRAVEL**
 - A. GATES IN PATH OF TRAVEL MUST COMPLY WITH EXIT DOOR REQUIREMENTS. (CBC 11B-206.5, 11B-404 AND ADA STANDARDS FOR ACCESSIBLE DESIGN, DEPARTMENT OF JUSTICE, SECTION 404). GATE HARDWARE SHALL NOT REQUIRE PINCHING, GRASPING, OR TWISTING MOTION TO OPERATE. PROVIDE SOLID KICK PLATES 10" MINIMUM HIGH, CLEAR SPACE BELOW GATE SHALL BE 3" MAXIMUM ABOVE PAVING ON BOTH SIDES OF THE GATE. THE MAXIMUM EFFORT TO OPERATE THE GATES SHALL NOT EXCEED 5 LBS.
 - B. HANDRAILS FOR STAIRS AND RAMPS SHALL BE PER APPROVED PLANS AND MOUNTED 1/2" MINIMUM FROM SIDE WALLS. CBC 11B-505. ALL WELDED JOINTS AND SURFACES SHALL BE GROUND SMOOTH, NO SHARP OR ABRASIVE CORNERS, EDGES OR SURFACES, WALL SURFACES ADJACENT TO HANDRAIL SHALL BE SMOOTH. CBC 11B-505.6 TO 11B-505.8.
 - C. "DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT." (DSA PR15-01)
 - D. ADA TOLERANCE NOTE: IN CASE WHERE SLOPE PERCENTAGES AND DIMENSIONS ARE IDENTIFIED ON THESE PLANS FOR ELEMENTS REGULATED BY THE AMERICAN DISABILITIES ACT AND CHAPTER 11B OF THE CALIFORNIA BUILDING CODE, THE SLOPE PERCENTAGES AND DIMENSIONS SHOWN MAY BE MORE STRINGENT THAN REQUIRED BY CODE. DIMENSIONS AND SLOPE GRADIENTS ALLOWED IN CHAPTER 11B OF THE CBC SHALL BE ACCEPTABLE AND DEEMED TO BE IN COMPLIANCE WITH THESE DOCUMENTS.



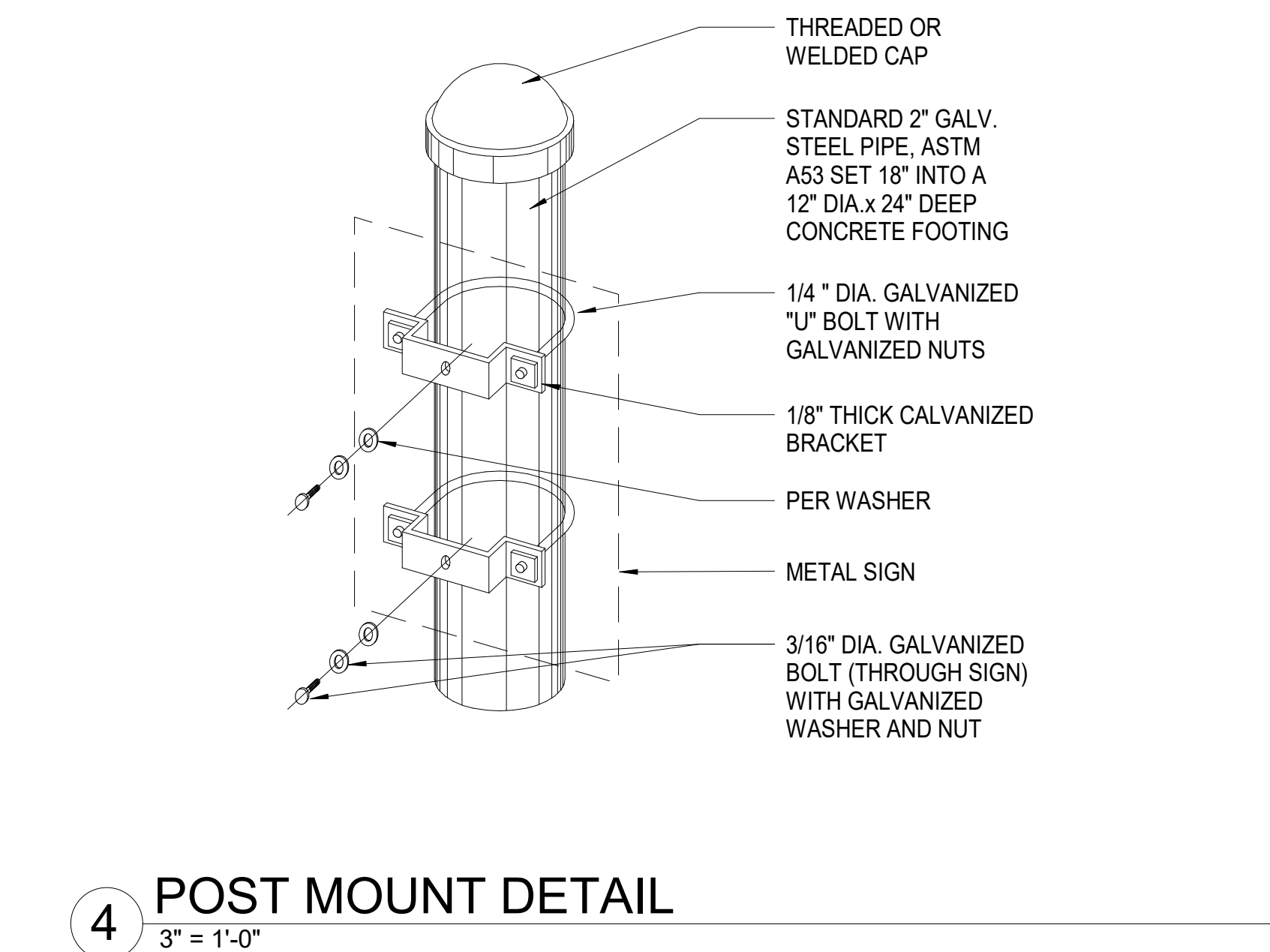
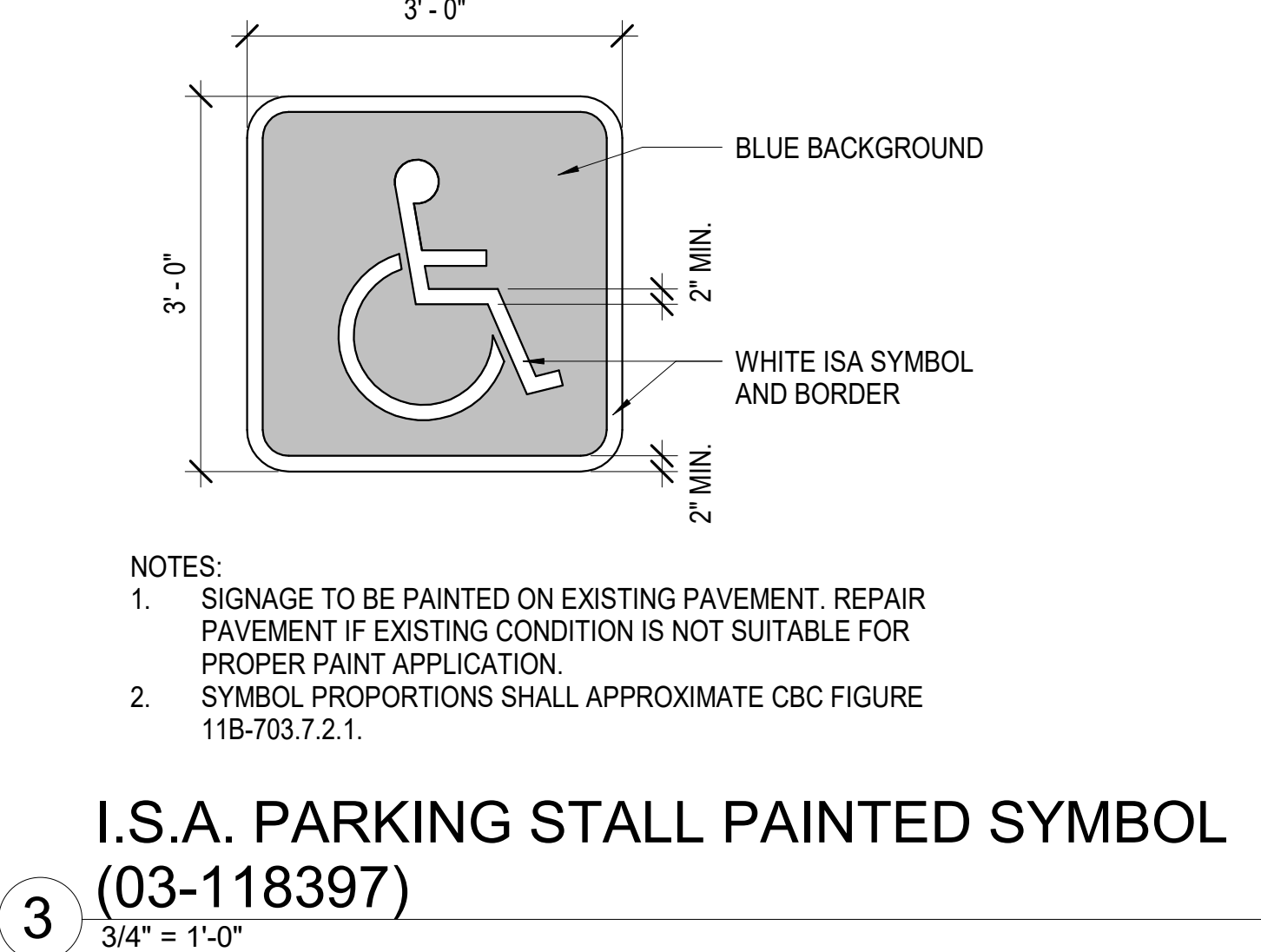
1 (E) GRAB BAR DETAIL

3" = 1'-0"



2 ADA PARKING STALL SIGN

1 1/2" = 1'-0"



I.S.A. PARKING STALL PAINTED SYMBOL (03-118397)

POST MOUNT DETAIL

3" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DALEY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

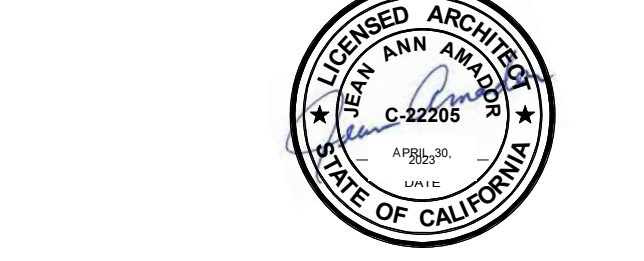
CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADÒR

2628 AGUIRA RD. 203 | AGUIRA HILLS CA, 91301 | 805-698-4334
CONSULTANT

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

SHEET TITLE:

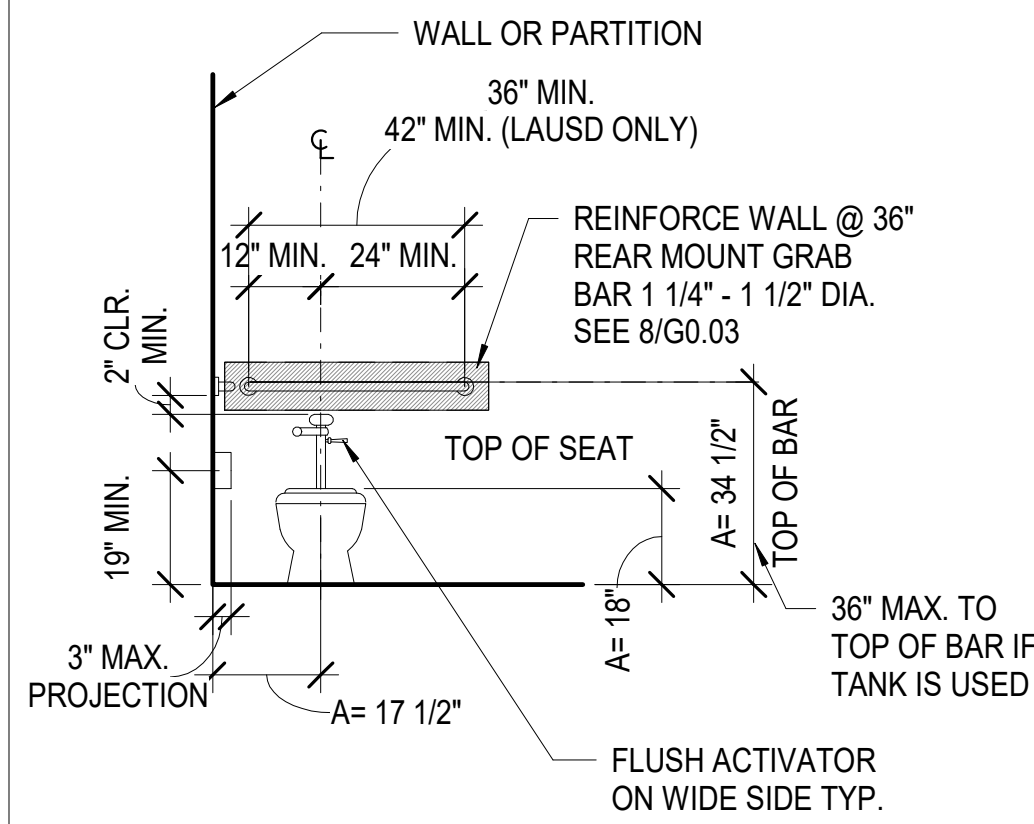
GENERAL NOTES & ABBREVIATIONS

PROJECT NO: 22-VCCCD-16	PROJECT ARCH: JA
DRAWN: MC	CHECKED: JA
SHEET NUMBER:	

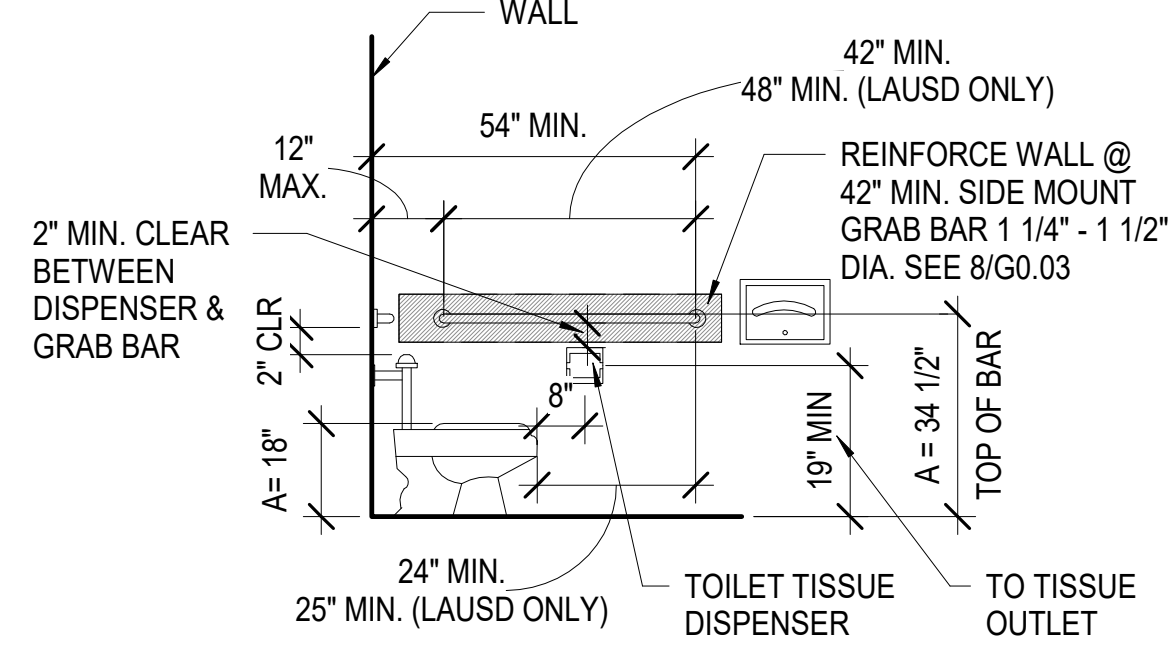
G0.02

DATE: 11/29/2022	SHEET: ___ OF ___
------------------	-------------------

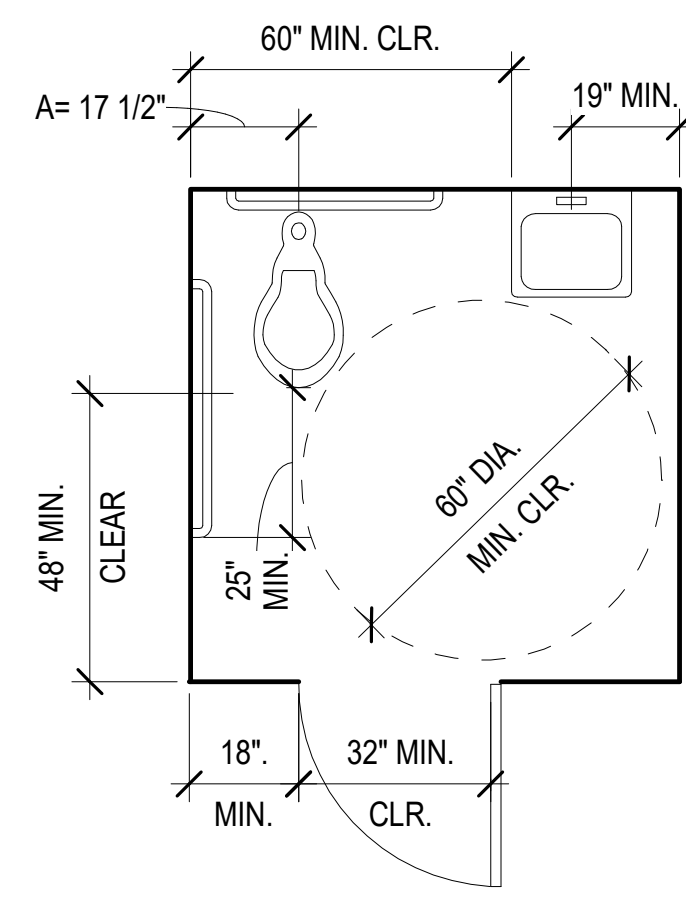
DIMENSION LEGEND
A = ADULT DIMENSIONS (AGE 12 AND OVER)



FRONT ELEV. TOILET



SIDE ELEV. TOILET



SINGLE ACCOMODATION TOILET PLAN VIEW

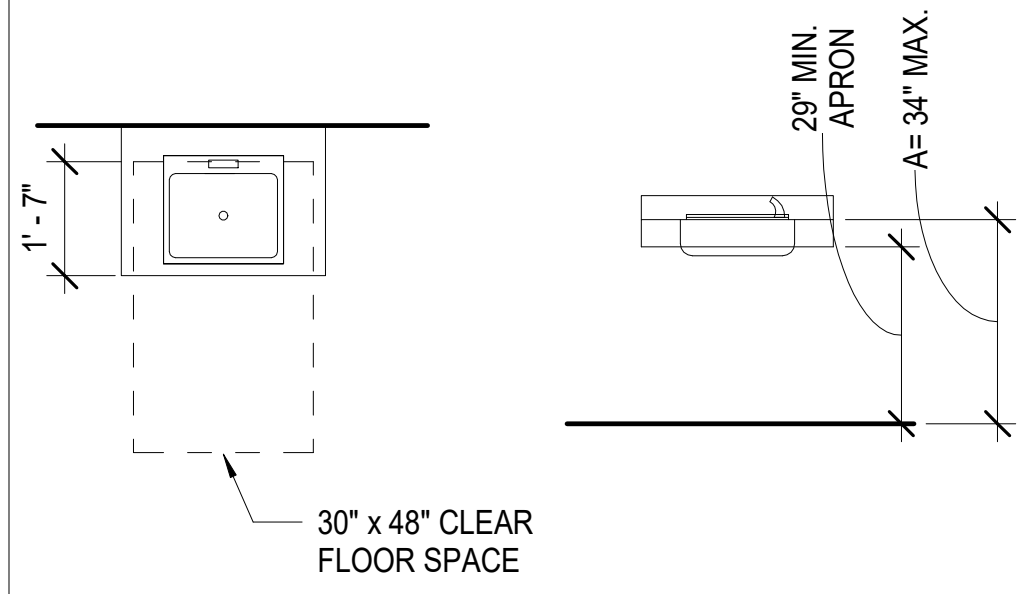
ASSISTIVE LISTENING DEVICES AT NEW PROPOSED MODULAR BUILDING PC 02-120719

CLASSROOM NO.	SEATS	DEVICES REQ.	DEVICES PROVIDED (@4%)
CLASSROOM 101	50	2	2

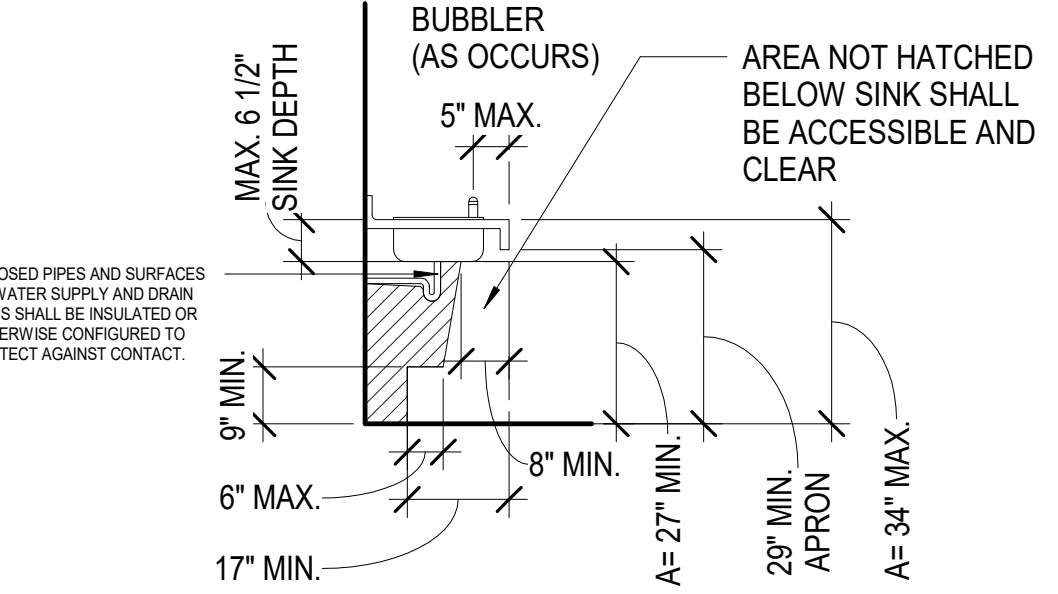
NOTE: PROVIDE PORTABLE ASSISTIVE LISTENING TWO (2) DEVICES PER CLASSROOM PER SPECIFICATIONS, SECTION 27 5127, ALS SIGN LOCATED ON SIGNAGE PLAN A6.01 & DETAIL 4/A7.01

10 ASSISTIVE LISTENING SCHEDULE
3/8" = 1'-0"

1 TYPICAL TOILET PLAN AND ELEVATIONS
3/8" = 1'-0"

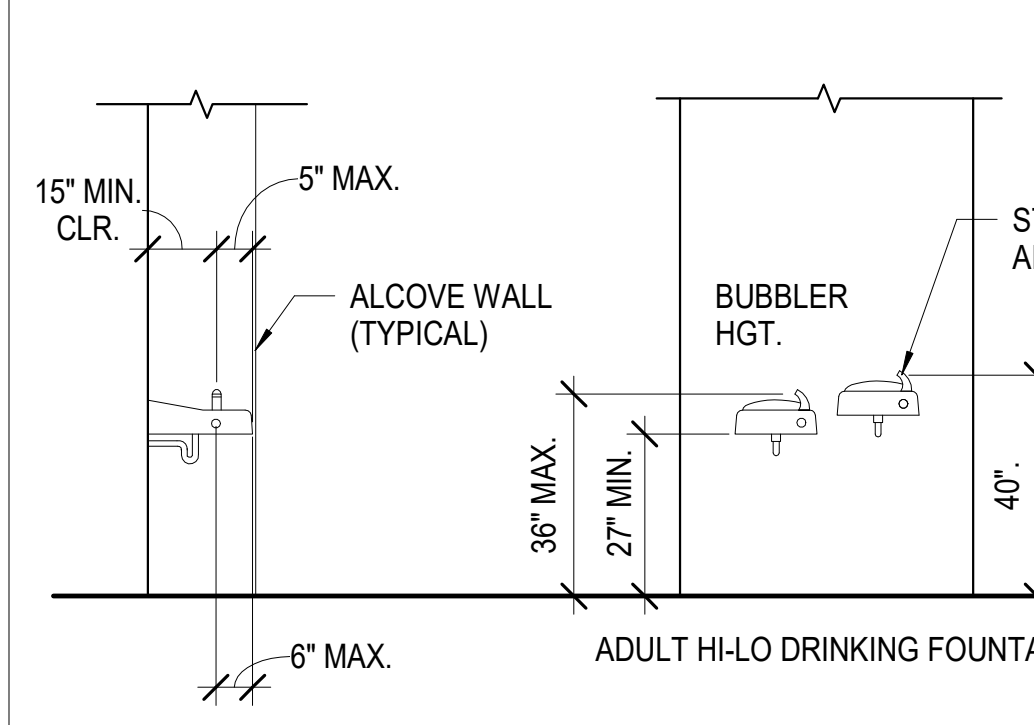


ACCESSIBLE SINK CABINET PLAN
ACCESSIBLE SINK CABINET ELEV.

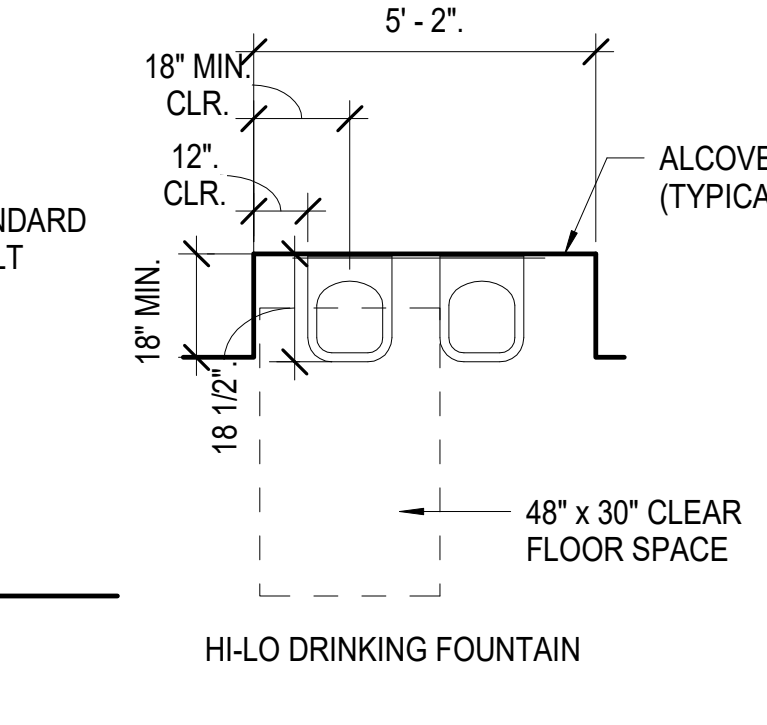


ACCESSIBLE SINK CABINET SECTION

ACCESSIBLE SINK PLAN, SECTION AND ELEVATION
3/8" = 1'-0"



DRINKING FOUNTAIN SECTION VIEW

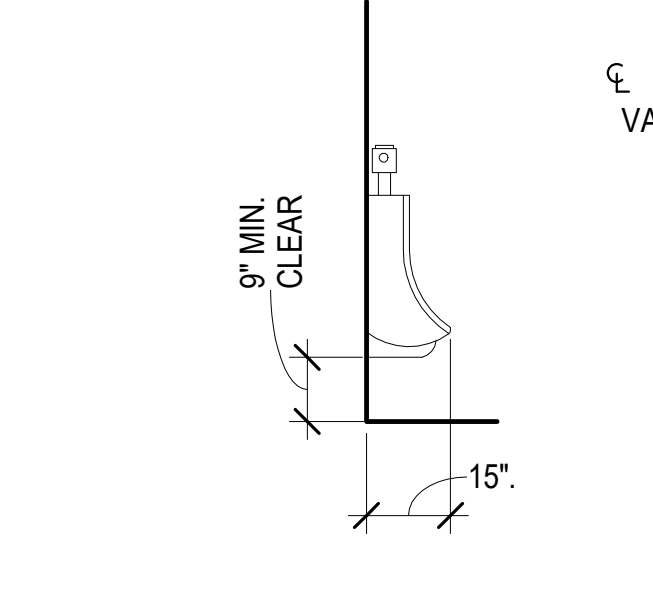


DRINKING FOUNTAIN ELEVATION

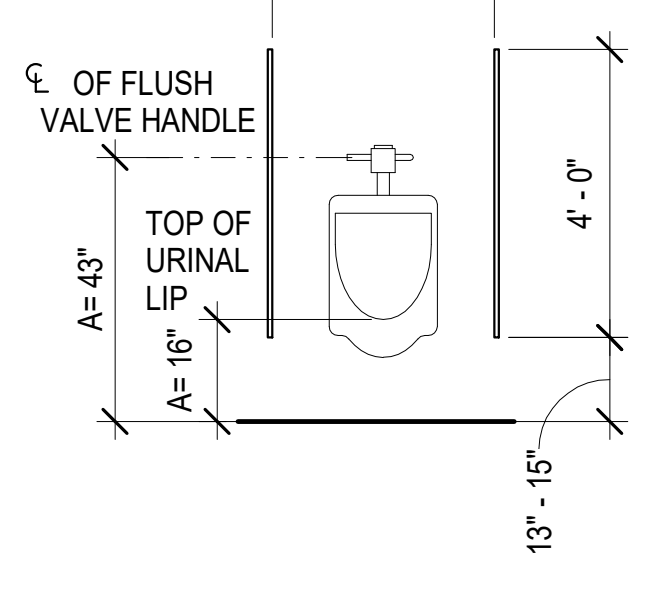
4 DRINKING FOUNTAIN
3/8" = 1'-0"

DRINKING FOUNTAIN PLAN VIEW

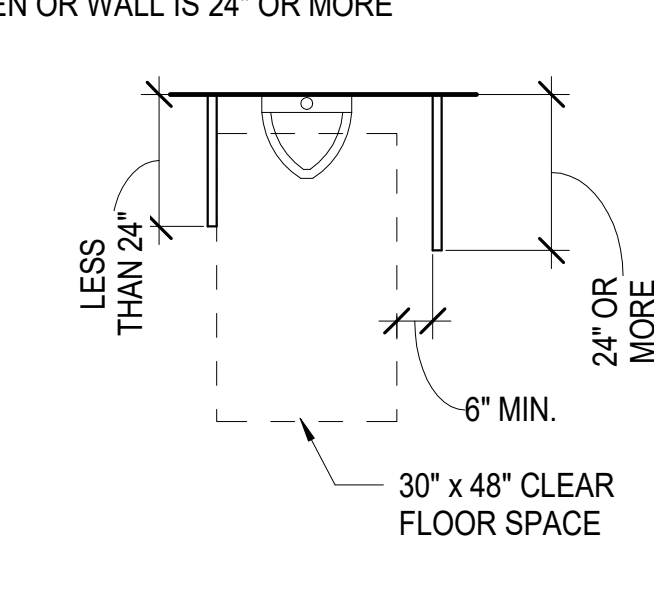
4 DRINKING FOUNTAIN
3/8" = 1'-0"



SIDE ELEV. URINAL

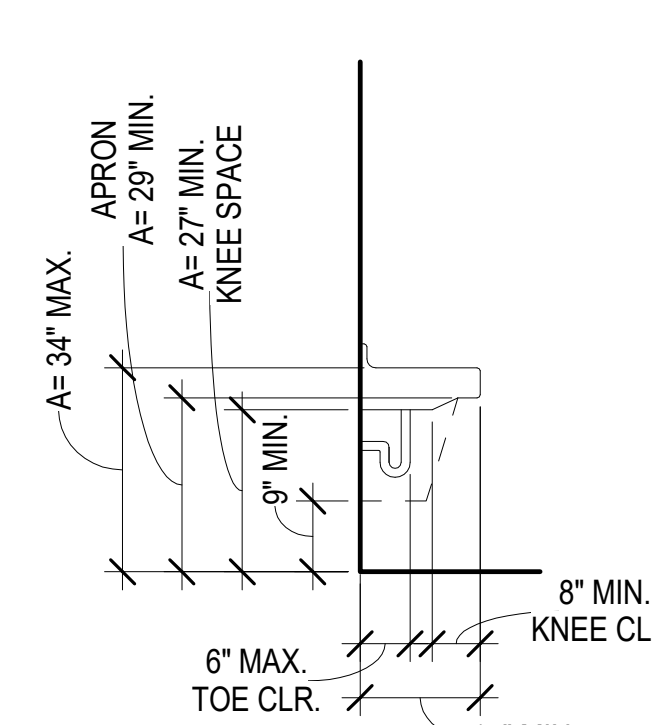


FRONT ELEV. URINAL



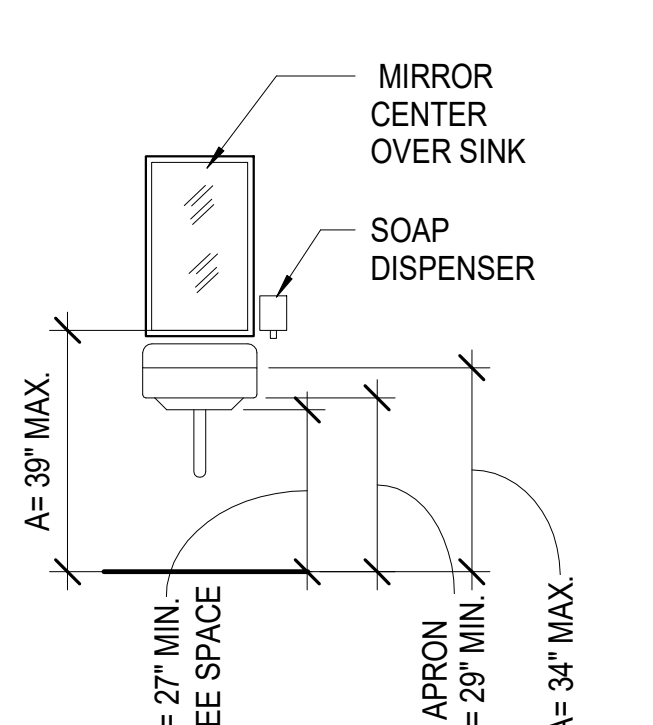
PLAN VIEW URINAL

3 LAVATORY PLAN AND ELEVATIONS
3/8" = 1'-0"



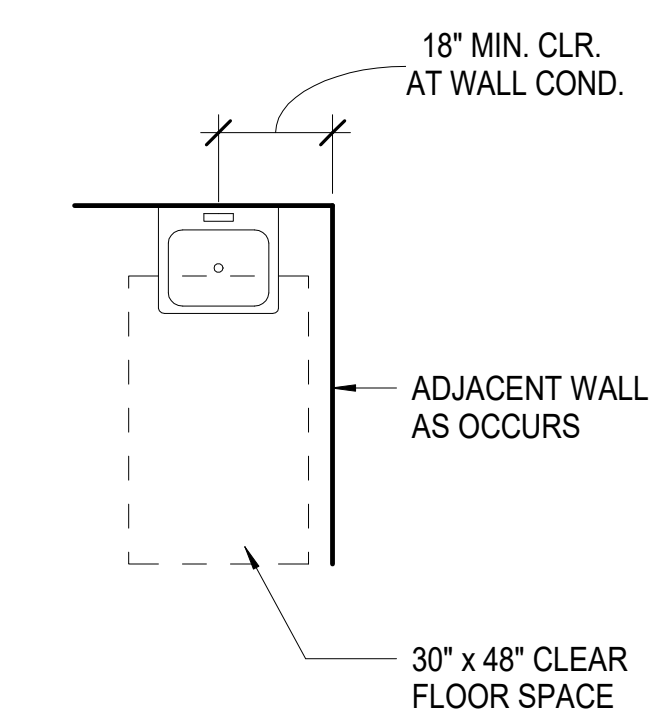
LAV. SIDE ELEVATION LAVATORY

5
3/8" = 1'-0"



LAV. FRONT ELEVATION

5
3/8" = 1'-0"



LAVATORY PLAN VIEW

5
3/8" = 1'-0"

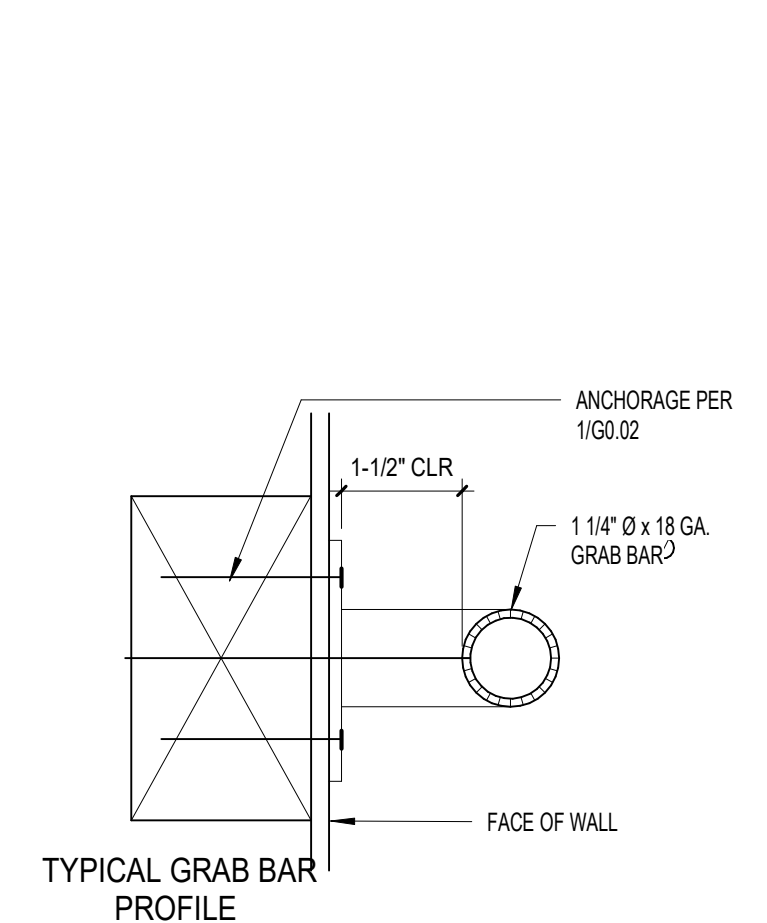
TYPICAL ACCESSIBLE PLUMBING FIXTURES

NOTES

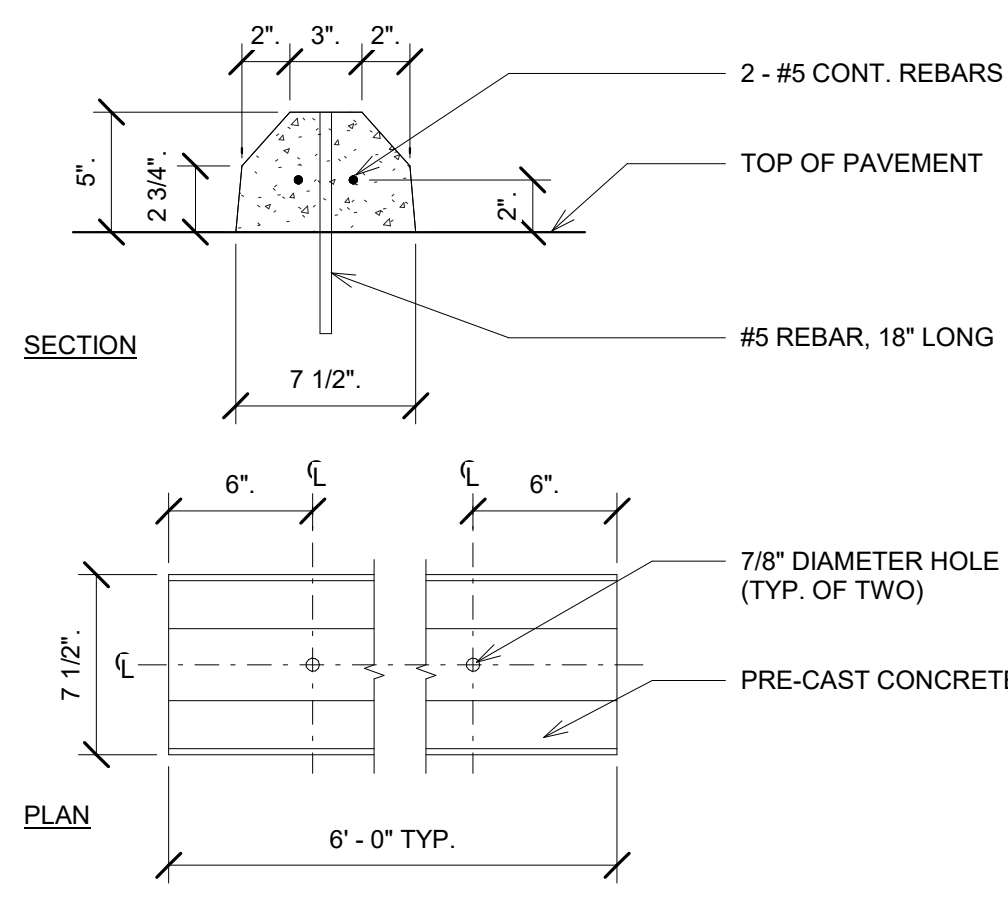
- TOILET FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. CONTROLS FOR THE FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREA AS INDICATED AND 36" MAXIMUM ABOVE FINISH FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5-POUNDS.
- HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
- FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5-POUNDS. LEVER OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.
- A GRAB BAR OR ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS.
- GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
- EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8 INCH.
- NOT IN USE.
- THE DRINKING FOUNTAIN SHALL BE ACTIVATED BY A CONTROL WHICH IS EASILY OPERATED BY A DISABLED PERSON SUCH AS A HAND OPERATED LEVER TYPE CONTROL LOCATED WITHIN 8-INCHES OF THE FRONT OF THE DRINKING FOUNTAIN. THE SPOUT SHALL BE LOCATED 15-INCHES MINIMUM FROM THE VERTICAL SUPPORT AND 5-INCHES MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS, AND SHALL BE 36-INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. THE WATER STREAM FROM THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES HIGH MIN. AND BE SUBSTANTIALLY PARALLEL TO THE FRONT OF THE DRINKING FOUNTAIN.
- ROUGH-IN FOR FIXTURES, EQUIPMENT, AND APPLIANCES SHALL BE AS INDICATED ON DRAWINGS AND AS SPECIFIED, INCLUDING THOSE ITEMS INDICATED AS FURNISHED BY OTHERS, FURNISHED BY OWNER, OR FUTURE CAPACITY. WHEN CONNECTIONS TO EQUIPMENT FROM CAPPED OR PLUGGED LINES ARE REQUIRED, CAPS OR PLUGS SHALL BE REMOVED AT TIME EQUIPMENT IS SET AND STOPS OR VALVES INSTALLED AND CONNECTIONS PROVIDED AS SPECIFIED.
- UNLESS OTHERWISE INDICATED, FIXTURES SHALL BE INSTALLED WITH 5/16" BRASS BOLTS OR SCREWS OF SUFFICIENT LENGTH TO SECURE FIXTURE TO BACKING, WALL OR CLOSET RINGS.
- FIXTURES INSTALLED AGAINST CONCRETE OR MASONRY WALLS SHALL HAVE THEIR HANGERS FASTENED WITH THE 5/16" BOLTS, PHILIP SHIELD TYPE ANCHORS, OR 2 UNIT CINCH ANCHORS. WOOD OR PLASTIC PLUGS ARE NOT PERMITTED.
- BACKING FOR HANGING OF PLUMBING FIXTURE AND EQUIPMENT SHALL BE INSTALLED IN SUPPORTING WALL AT TIMES ROUGH PIPING IS INSTALLED.
- FOR WOOD STUDS USE STEEL PLATE 1/4" THICK, NOT LESS THAN 4 TO 6 INCHES WIDE STEEL PLATE SHALL BE ATTACHED TO STUD AT EACH END OF PLATE TO EACH STUD IT CROSSES. PLATE SHALL HAVE 2 PRE-DRILLED 1/8" HOLES FOR NO. 14 FLAT HEAD SCREWS 2 INCHES IN LENGTH FROM EACH STUD.
- FOR METAL STUDS USE STEEL PLATE 1/4" THICK, NOT LESS THAN 4 INCHES WIDE STEEL PLATE SHALL BE ATTACHED TO METAL STUDS BY BOLTING WITH TWO 1/4" "U" BOLTS PER STUD WITH BOLTS THROUGH PLATE AND AROUND STUD FLANGE OR BY WELDING WITH 1/8" FILLET WELD FULL WIDTH OF STUD FLANGE, TOP AND BOTTOM OF PLATE.
- PIPING SHALL BE STUBBED OUT TO EXACT LOCATION OF FIXTURES AND STUBS SHALL BE INSTALLED SYMMETRICAL WITH FIXTURES. HOT AND COLD WATER SUPPLIES FOR CENTER SET FAUCETS ON LAVATORIES SHALL BE INSTALLED ON 8 INCH CENTERS, UNLESS OTHERWISE SPECIFIED OR REQUIRED.

ACCESSORIES INFORMATION

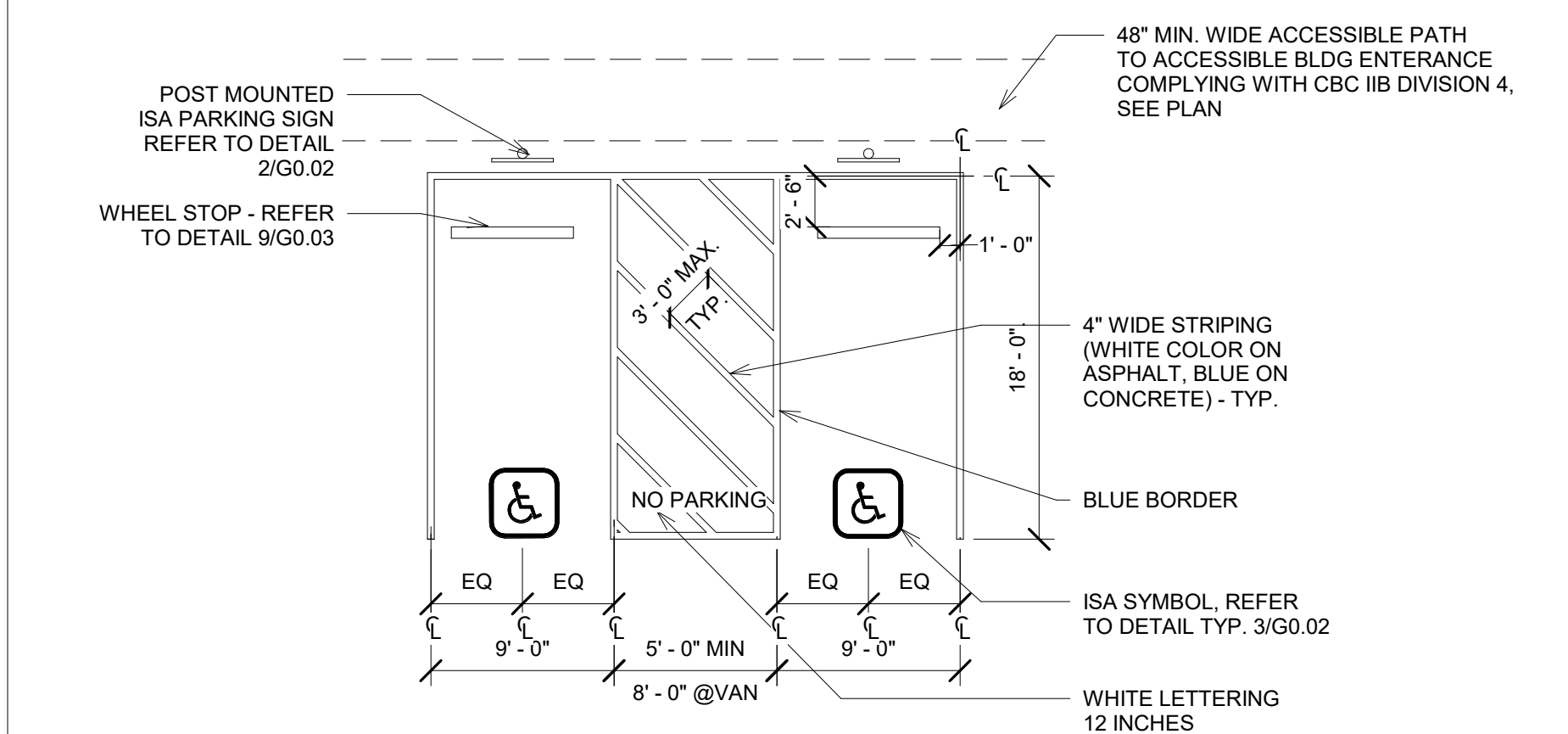
- THE GRAB BAR SHALL NOT PROJECT MORE THAN 3" INTO THE 48" MINIMUM CLEAR SPACE IN FRONT OF THE WATER CLOSET. GRAB BAR AND CONNECTIONS SHALL HAVE STRENGTH TO ALLOW 250 LB HORIZONTAL OR VERTICAL POINT FORCE.
- TOILET PAPER AND FEMININE NAPKIN DISPENSERS LOCATED AT THE GRAB BAR SIDE OF AN ACCESSIBLE TOILET ROOM OR STALL SHALL NOT PROJECT MORE THAN THE GRAB BAR. THE ACCESSORY SHALL NOT BE LOCATED CLOSER THAN 1 1/2" CLEAR OF THE TANGENT POINT OF THE GRAB BAR.



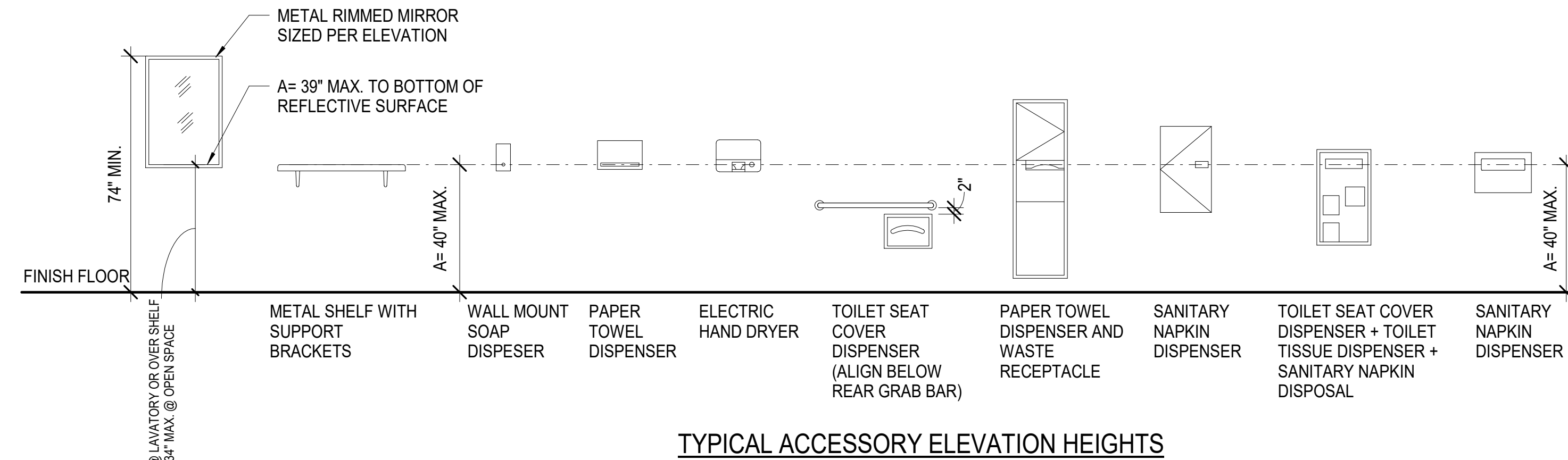
8 TYPICAL GRAB BAR PROFILE
3/16" = 1'-0"



9 CONCRETE WHEEL STOP
1" = 1'-0"



7 TYPICAL PARKING DETAIL
1/8" = 1'-0"



6 TYPICAL ACCESSORY ELEVATION HEIGHTS
3/8" = 1'-0"

DIMENSIONS IN INCHES

	A	CDC
a) TOILET CENTERLINE FROM WALL	17 1/2"	-
b) TOILET SEAT HEIGHT TO TOP OF SEAT	18"	-
c) GRAB BAR HEIGHT (TO TOP SURFACE)	34 1/2"	-
d) TOILET PAPER DISPENSER HEIGHT TO OPNG	19" MIN.	-
e) TOILET PAPER IN FRONT OF TOILET	8" TO CENTER LINE OF UNIT	-
f) NAPKIN DISPOSAL HEIGHT TO OPNG	19" MIN. SEE NOTE #1 BELOW	-
g) DISPENSER HEIGHT	40" MAX.	-
h) MIRROR HEIGHT (OVER A LAVATORY)	39"	-
i) MIRROR HEIGHT (ISOLATED MIRROR)	34"	-
j) LAVATORY/SINK TOP HEIGHT	34" MAX.	-
k) LAVATORY APRON CLEARANCE	29" MIN.	-
l) LAVATORY/SINK KNEE CLEARANCE	27" MIN.	-
m) URINAL LIP HEIGHT	16"	-
n) URINAL TOILET FLUSH HANDLE HEIGHT	43"	-
o) DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.	30" MAX.
p) DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	22" MIN.
q) RAMP/STAIR HANDRAIL HEIGHT	36"	-

A = ADULT DIMENSIONS (AGE 12 AND OVER)
CDC = CHILD DEVELOPMENT CENTER
NOTE #1: LOCATION SHALL COMPLY WITH CBC 11B-604.7.2

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DULY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADÒR

2828 AGOURA RD. 201 | AGOURA HILLS CA, 91301 | 805-698-4334

CONSULTANT

STAMPS/SEALS

DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

ACCESSIBILITY NOTES AND DETAILS

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
DRAWN: MC CHECKED: JA
SHEET NUMBER: **G0.03**

DATE: 11/29/2022 SHEET: OF



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

**CDC-INSTALLATION (1) PC -
MODULAR BUILDING
(40'X48') & (2) - PC SHADE
STRUCTURES (30'X30')**

4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADÒR

28328 AGOURA RD. 205 | AGOURA HILLS CA, 91301 | 805-658-4334

CONSULTANT

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

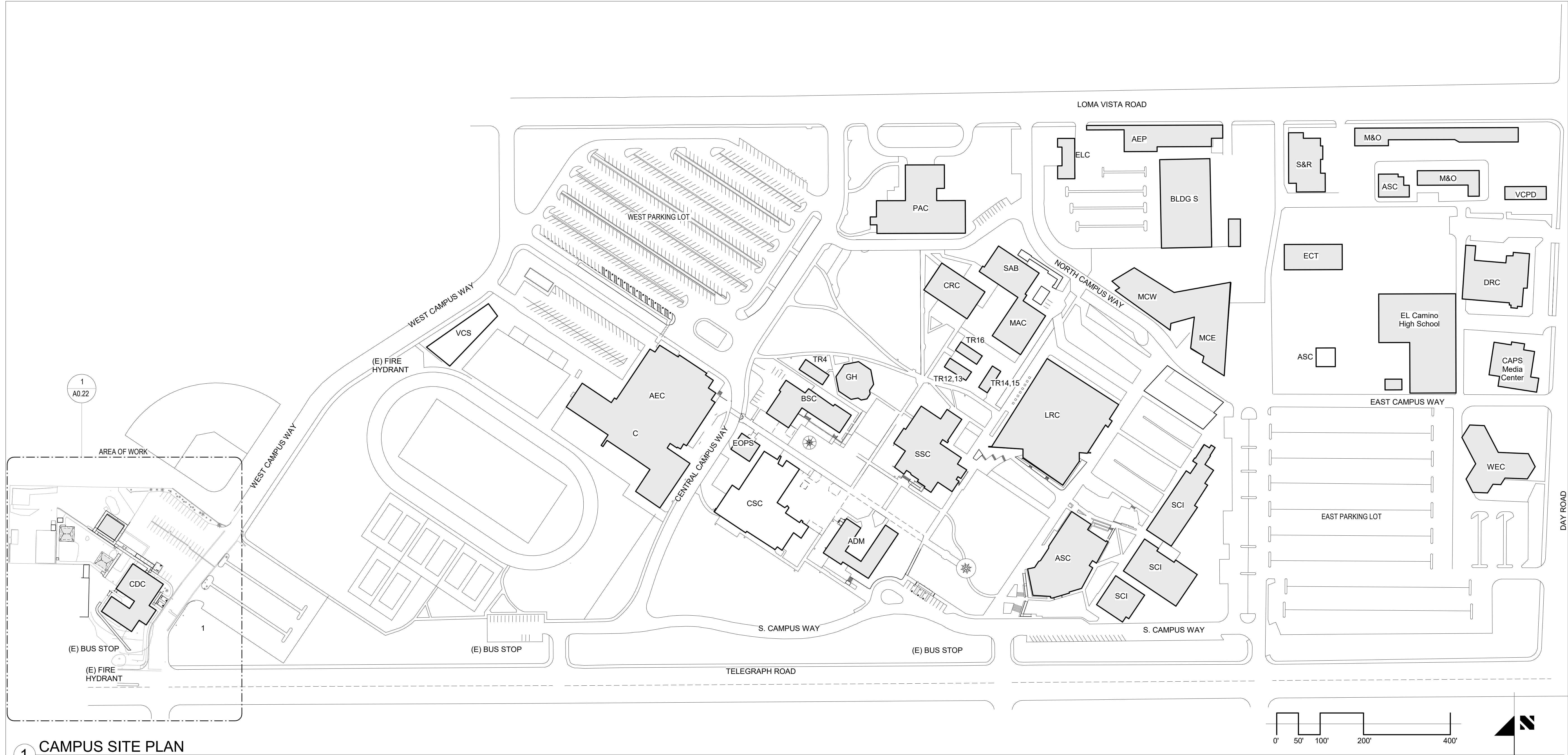
SHEET TITLE:

CAMPUS SITE PLAN

PROJECT NO: 22-VCCCD-16	PROJECT ARCH: JA
DRAWN: MC	CHECKED: JA
SHEET NUMBER:	

G0.04

DATE: 11/29/2022 SHEET: ___ OF ___



1 CAMPUS SITE PLAN
1" = 100'-0"

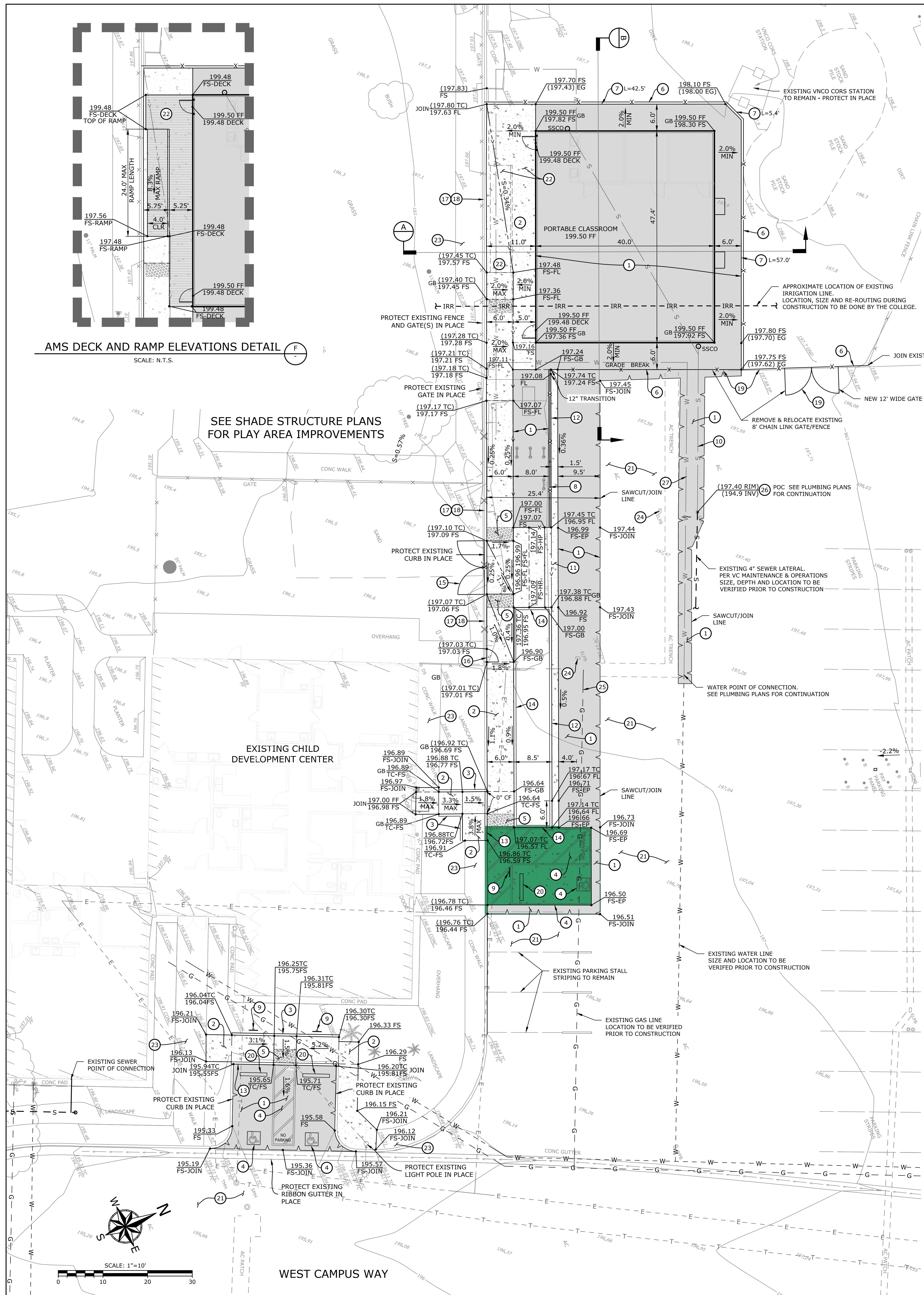
LEGEND

CDC- CHILD DEVELOPMENT CENTER A#53955

FUTURE ELECTRIC VEHICLE CHARGING STATIONS

GENERAL NOTES

1. THE SITE IS NOT IN A WILDLAND URBAN INTERFACE AREA.
2. FUTURE EV CHARGING STATION IN EAST PARKING LOT AND WEST PARKING LOT.
3. MAINTENANCE & OPERATIONS HAS BINS LOCATED ACROSS CAMPUS RECYCLING PAPER AND CARDBOARD, METAL, WOOD & PLASTIC, GREEN WASTE AND FOOD WASTE.
4. BICYCLE STORAGE UNIT AND U RACK LOCATION. SEE A0.22 SITE PLAN.

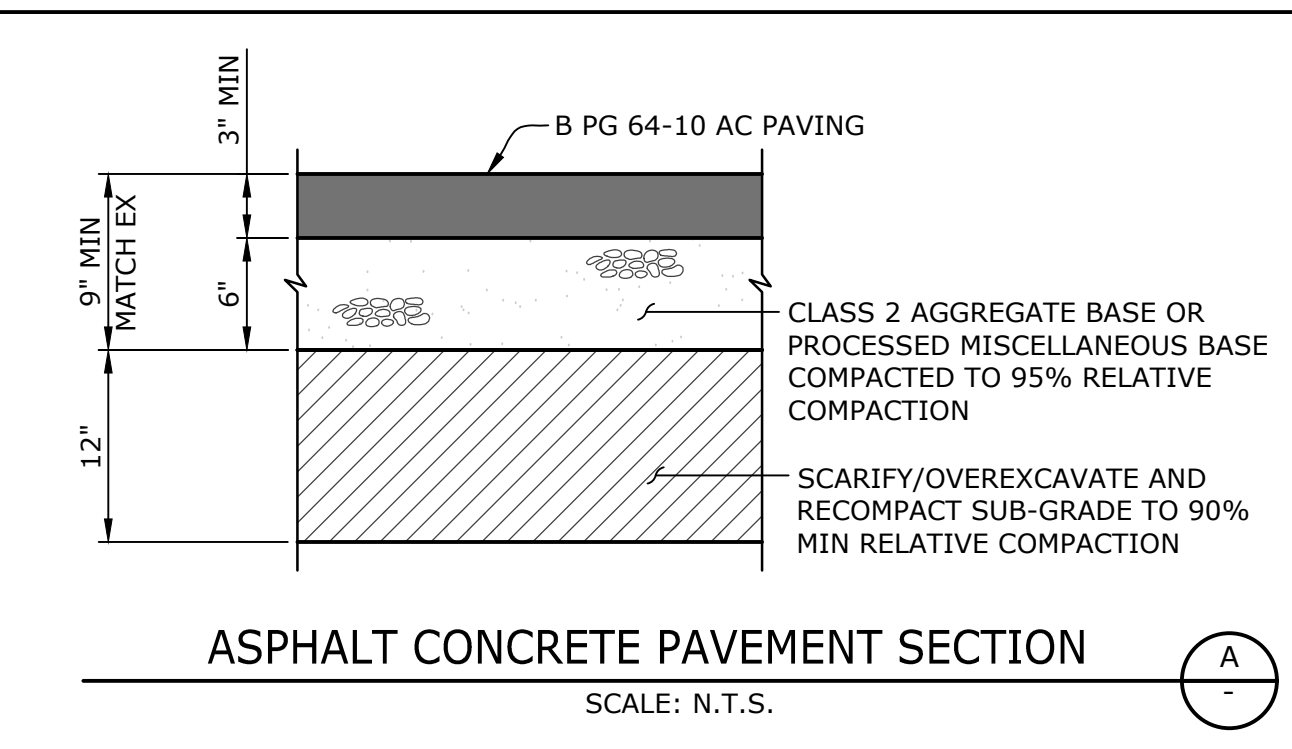


AMS DECK AND RAMP ELEVATIONS DETAIL
SCALE: N.T.S.

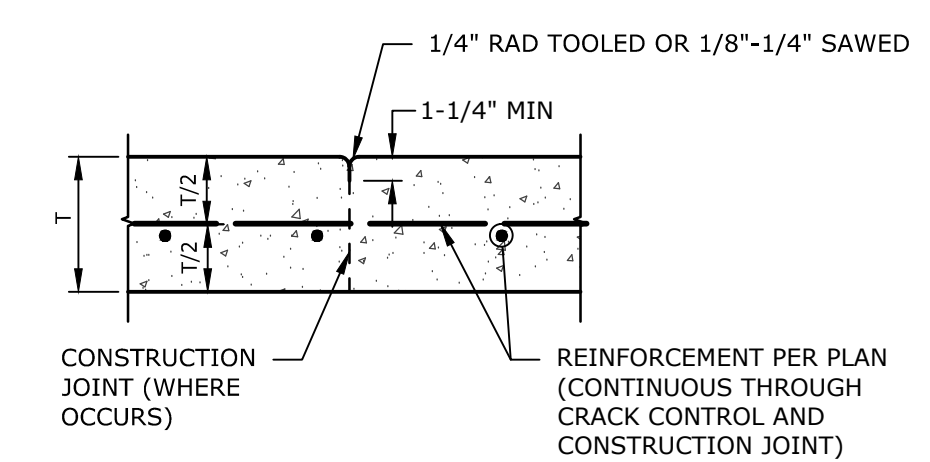
SEE SHADE STRUCTURE PLANS
FOR PLAY AREA IMPROVEMENTS

EXISTING CHILD
DEVELOPMENT CENTER

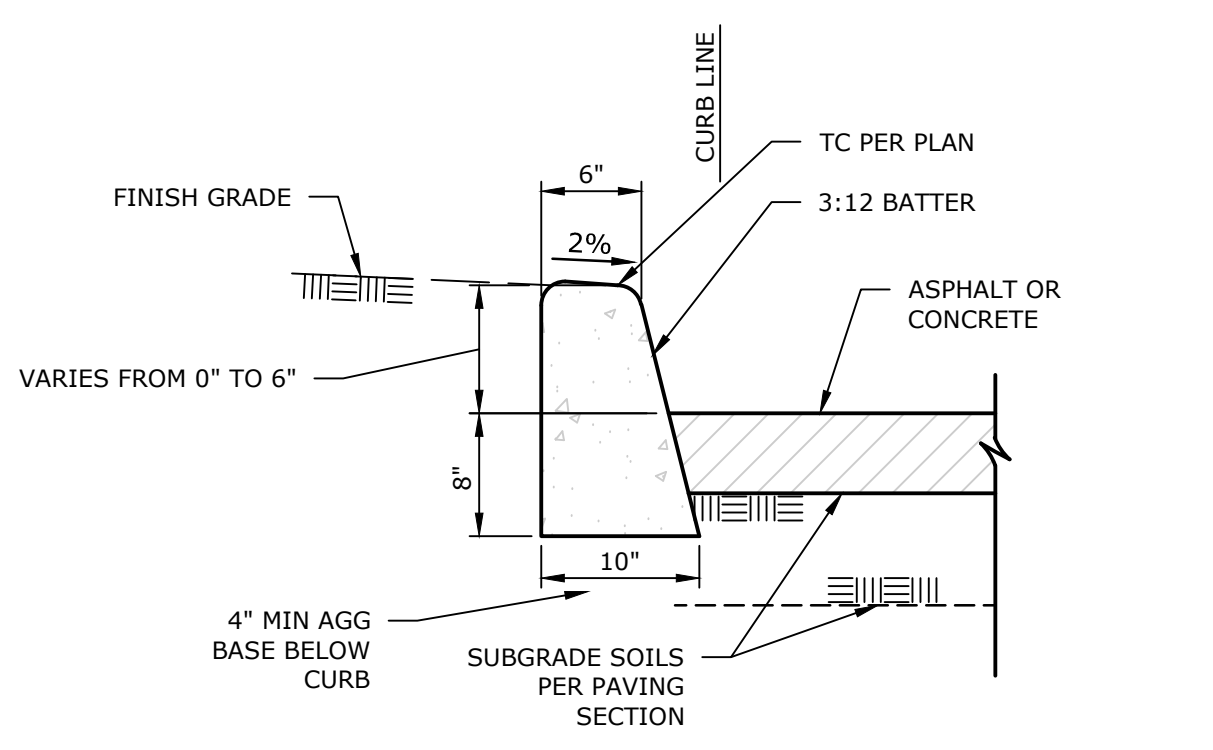
WEST CAMPUS WAY



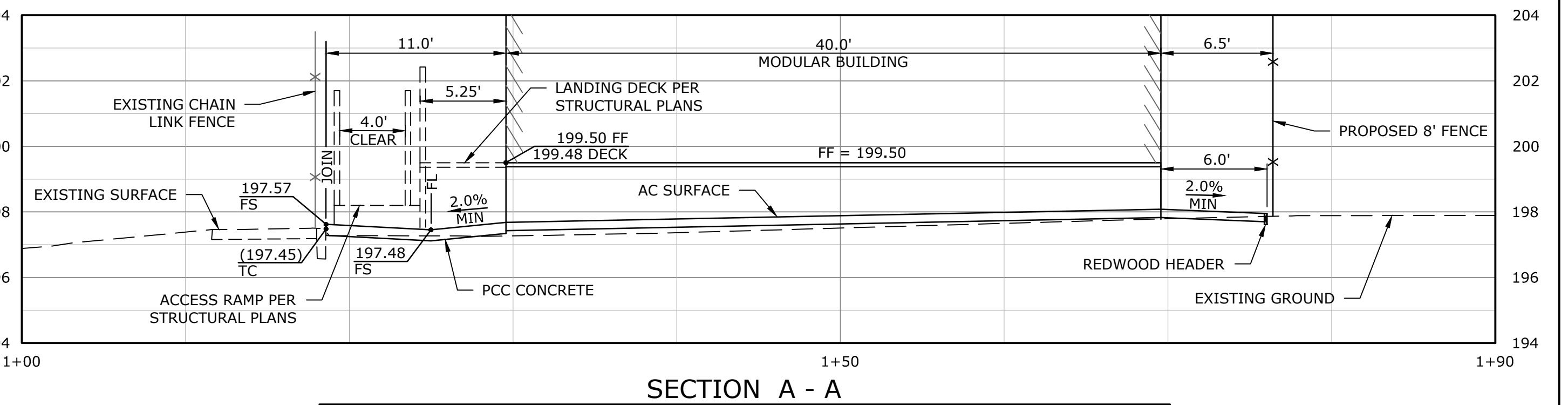
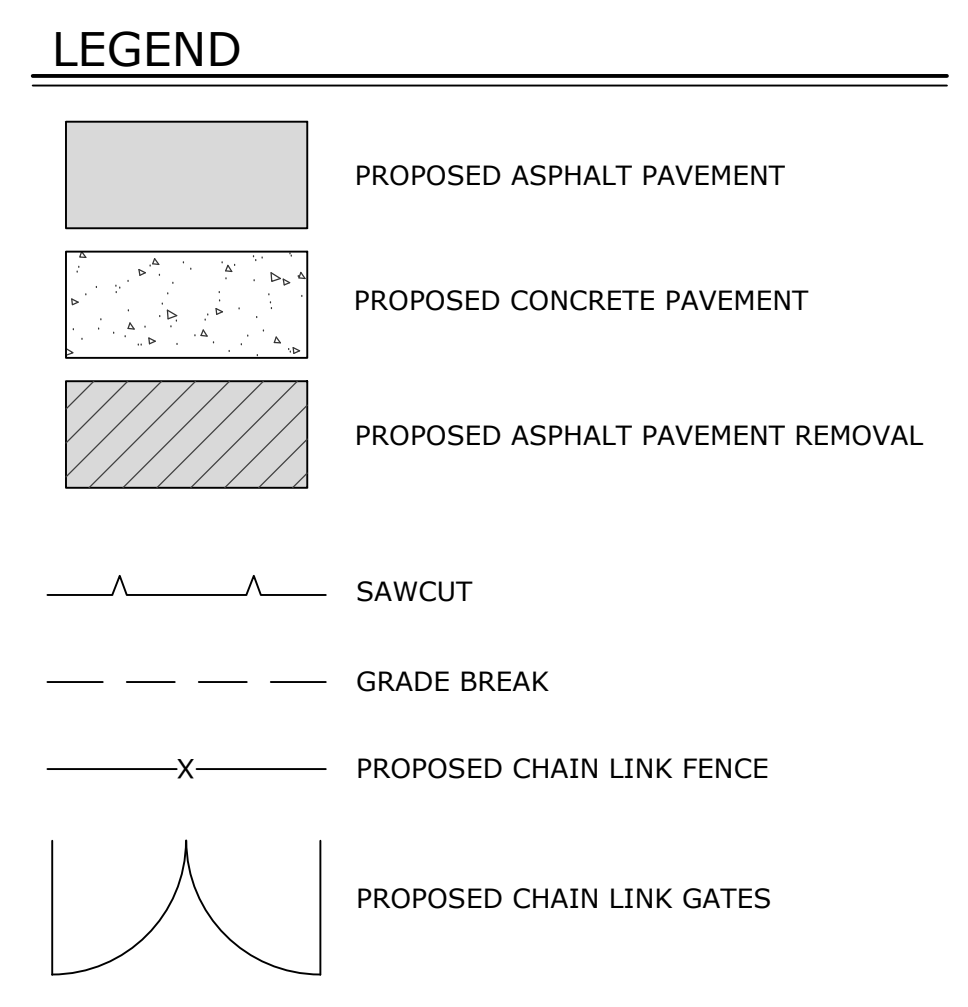
ASPHALT CONCRETE PAVEMENT SECTION
SCALE: N.T.S.



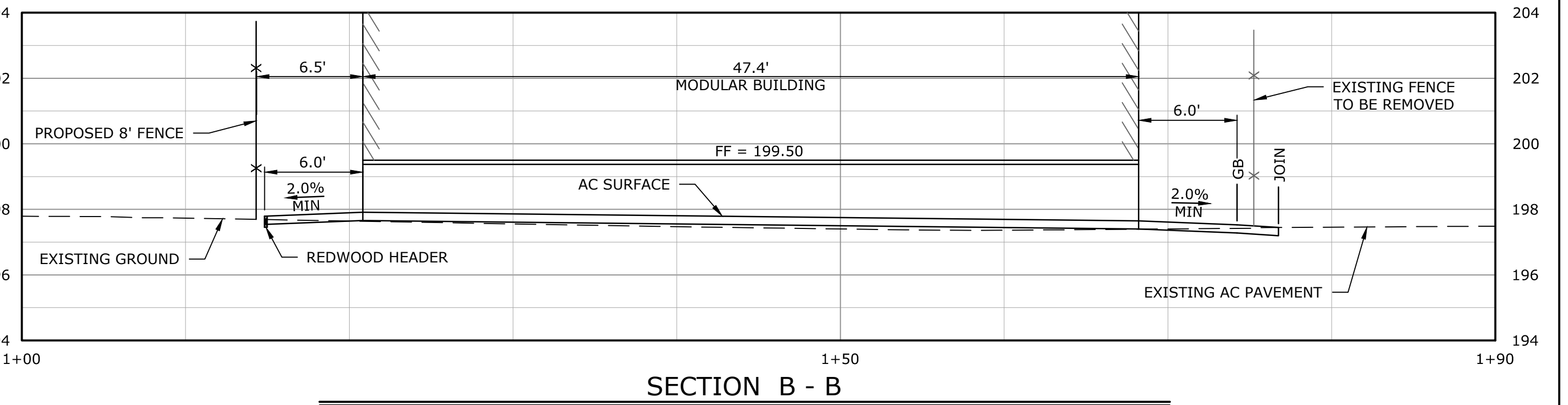
CONSTRUCTION/CRACK CONTROL JOINT
SCALE: N.T.S.



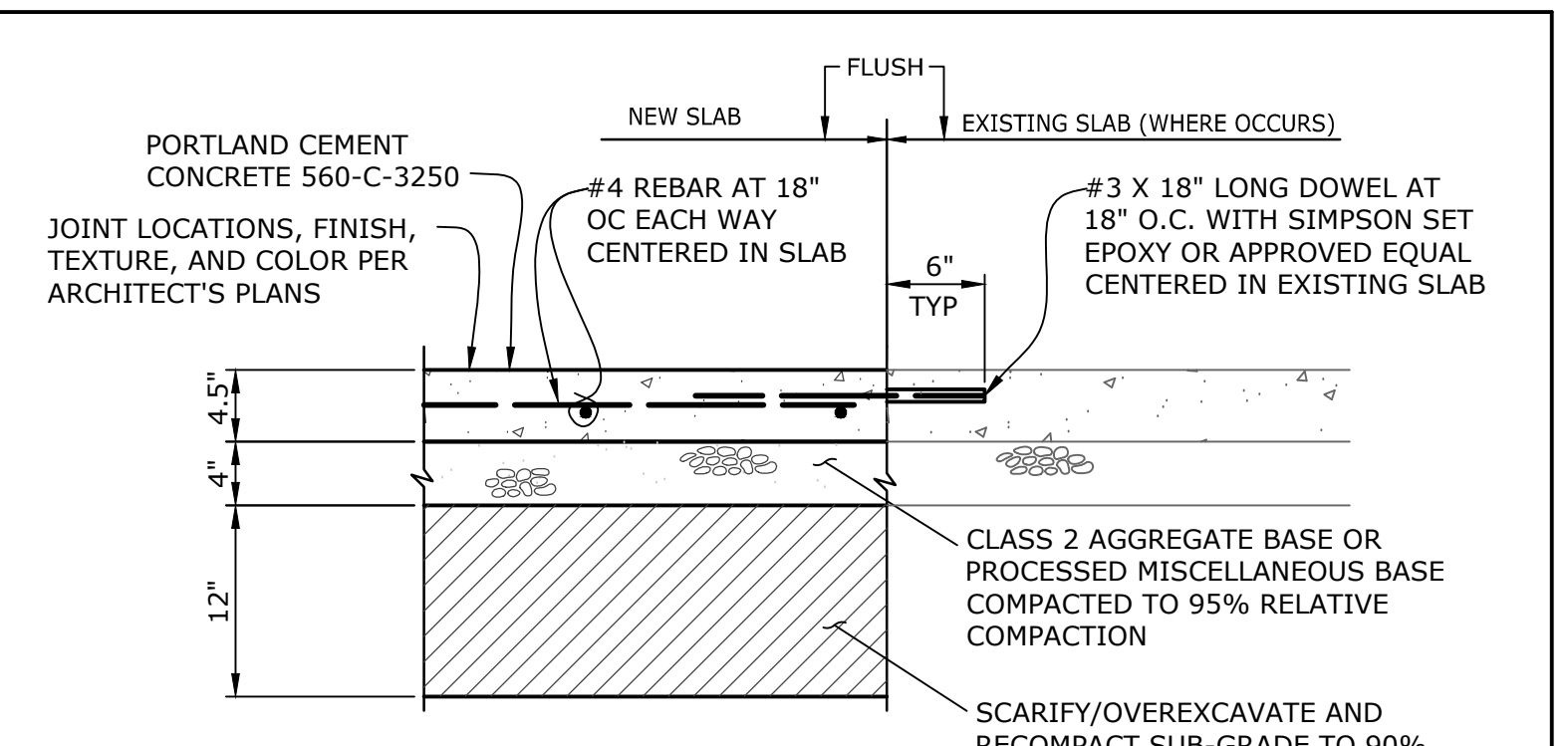
TYPICAL CURB DETAIL
SCALE: N.T.S.



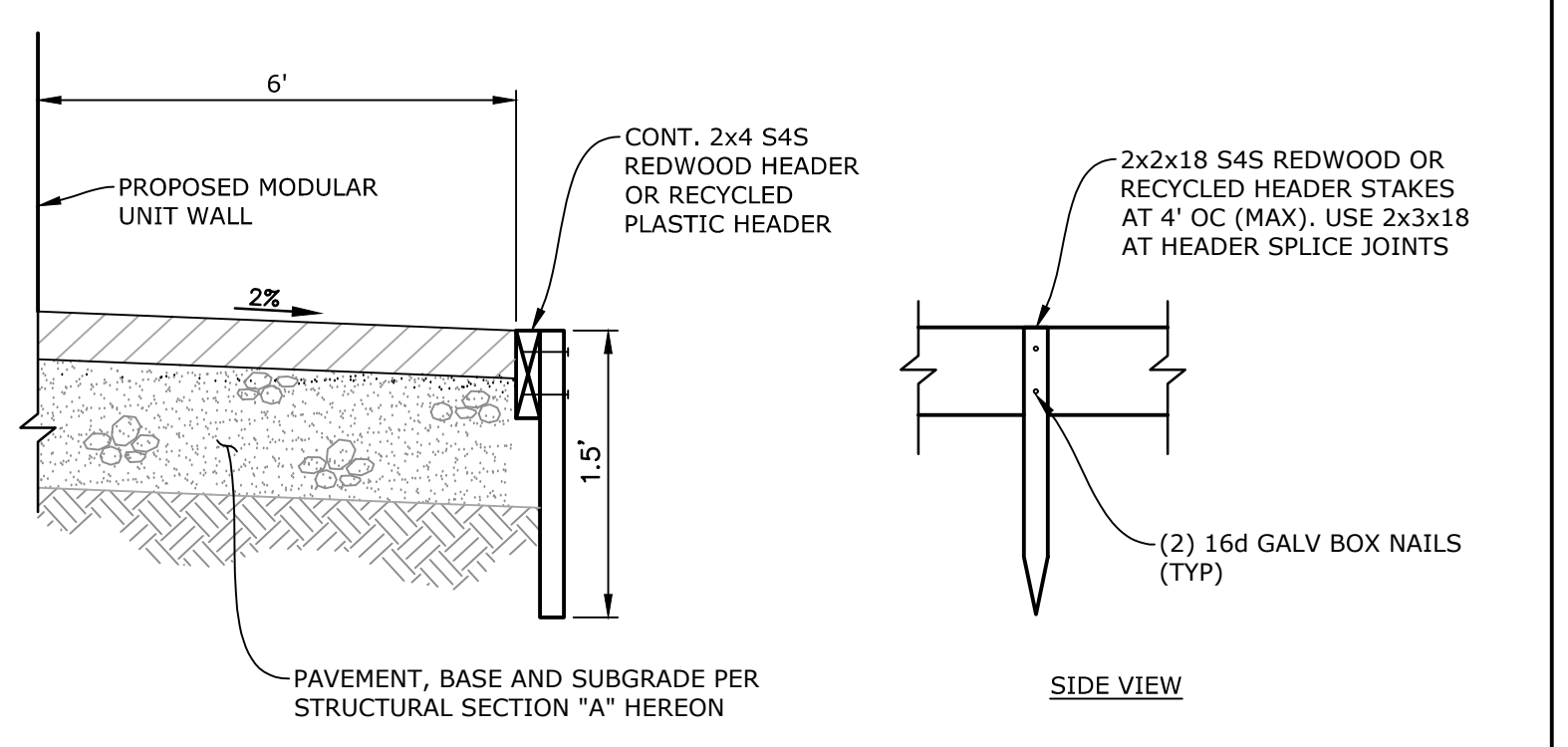
SECTION A - A
1+50
NTS



SECTION B - B
1+50
NTS



PEDESTRIAN CONCRETE PAVEMENT SECTION
SCALE: N.T.S.



REDWOOD HEADER DETAIL
SCALE: N.T.S.

CONSTRUCTION NOTES

- CONSTRUCT NEW ASPHALT CONCRETE PAVEMENT SECTION TO MATCH EXISTING OR PER DETAIL "A", HEREON (WHICHEVER SECTION IS GREATER).
- CONSTRUCT 4.5" THICK CONCRETE WALKWAY PER DETAIL "B", HEREON. REFER TO ARCHITECTURAL PLANS FOR COLOR AND FINISH.
- CONSTRUCT VARIABLE HEIGHT CONCRETE CURB MONOLITHIC WITH WALKWAY, HEIGHT PER PLAN.
- PROVIDE ADA PARKING STALL STRIPING PER ARCHITECTURAL PLANS, SHEET G0.03, DETAIL 7.
- CONSTRUCT DETECTABLE WARNING SURFACE (TRUNCATED DOMES) PER ARCHITECTURAL PLANS, SHEET A5.01, DETAIL 2.
- CONSTRUCT 8" HIGH CHAIN LINK FENCE PER ARCHITECTURAL PLANS.
- INSTALL 2"x4" REDWOOD HEADER WHERE ASPHALT PAVEMENT EDGE TRANSITIONS TO DIRT, SEE DETAIL "E" HEREON.
- CONSTRUCT 36" HIGH FENCE PER ARCHITECT'S PLANS.
- CONSTRUCT ADA PARKING SIGNAGE PER ARCHITECTURAL PLANS, SHEET G0.02, DETAILS 2, 3 AND 4.
- CONSTRUCT 2" PVC SDR 35 SEWER LATERAL EXTENSION PER PLUMBING PLANS, SEE SHEET P2.1.
- CONSTRUCT 36" WIDE LONGITUDINAL GUTTER SIMILAR TO SPWVC STANDARD PLAN 122-3.
- CONSTRUCT 6" CURB AND 18" GUTTER PER SPWVC STANDARD PLAN 120-3. GUTTER CROSS SLOPE MODIFIED TO 2%.
- CONSTRUCT VARIABLE HEIGHT CONCRETE CURB PER DETAIL "D", HEREON.
- CONSTRUCT 6" CURB ONLY PER SPWVC STANDARD PLAN 120-3.
- CONSTRUCT 12" WIDE DOUBLE CHAIN LINK GATES WITH FIRE DEPARTMENT KNOX BOX PER ARCHITECT'S PLANS.
- CONSTRUCT 36" WIDE CHAIN LINK GATE PER ARCHITECT'S PLANS.
- EXISTING CHAIN LINK FENCE TO REMAIN - PROTECT IN PLACE.
- EXISTING CONCRETE CURB TO REMAIN - PROTECT IN PLACE.
- EXISTING CHAIN LINK GATE TO BE REMOVED AND RELOCATED. RE-INSTALL WITH FIRE DEPARTMENT KNOX BOX.
- CONSTRUCT WHEEL STOP PER ARCHITECTURAL PLANS, SHEET G0.03, DETAIL 9.
- EXISTING ASPHALT PAVEMENT TO REMAIN - PROTECT IN PLACE.
- INSTALL AMS (AMERICAN MODULAR SYSTEMS) LANDING & ACCESS RAMP (8.3% MAX SLOPE) PER STRUCTURAL PLANS, SHEETS S10.0 & S10.1. SEE "AMS DECK AND RAMP ELEVATIONS" DETAIL "F" HEREON FOR ELEVATIONS.
- EXISTING CONCRETE WALKWAY TO REMAIN - PROTECT IN PLACE.
- EXISTING ELECTRICAL PULLBOX TO REMAIN - PROTECT IN PLACE.
- EXISTING GAS LINE TO REMAIN - PROTECT IN PLACE.
- CONNECT TO EXISTING SEWER CLEANOUT. SEE PLUMBING PLANS FOR CONTINUATION.
- PROPOSED 1" PVC SCH 80 WATER SERVICE LINE. SEE PLUMBING PLANS, SHEET P2.1. CONNECT TO EXISTING WATER LINE

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
OXNARD VENTURA

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION
CHILD DEVELOPMENT CENTER - MODULAR RELOCATION

4667 TELEGRAPH ROAD
VENTURA, CA 93003

COMMISSIONED ARCHITECT

AMADÒR

2025 AGOURA RD, 203 | AGOURA HILLS, CA 91001 | 805-698-0384

CONSULTANT

ECG
Enccompass Consultant Group
333 N. LANTANA ST., SUITE 201, CAMARILLO, CA 93010
PHONE: 805-322-4443 WEBSITE: WWW.ECGVIL.COM

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER
OLEN H. PAGE
NO 61468
CIVIL
STATE OF CALIFORNIA

REGISTERED ARCHITECT
GLEN R. ANGELO
C-22805
ARCHITECT
STATE OF CALIFORNIA

DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

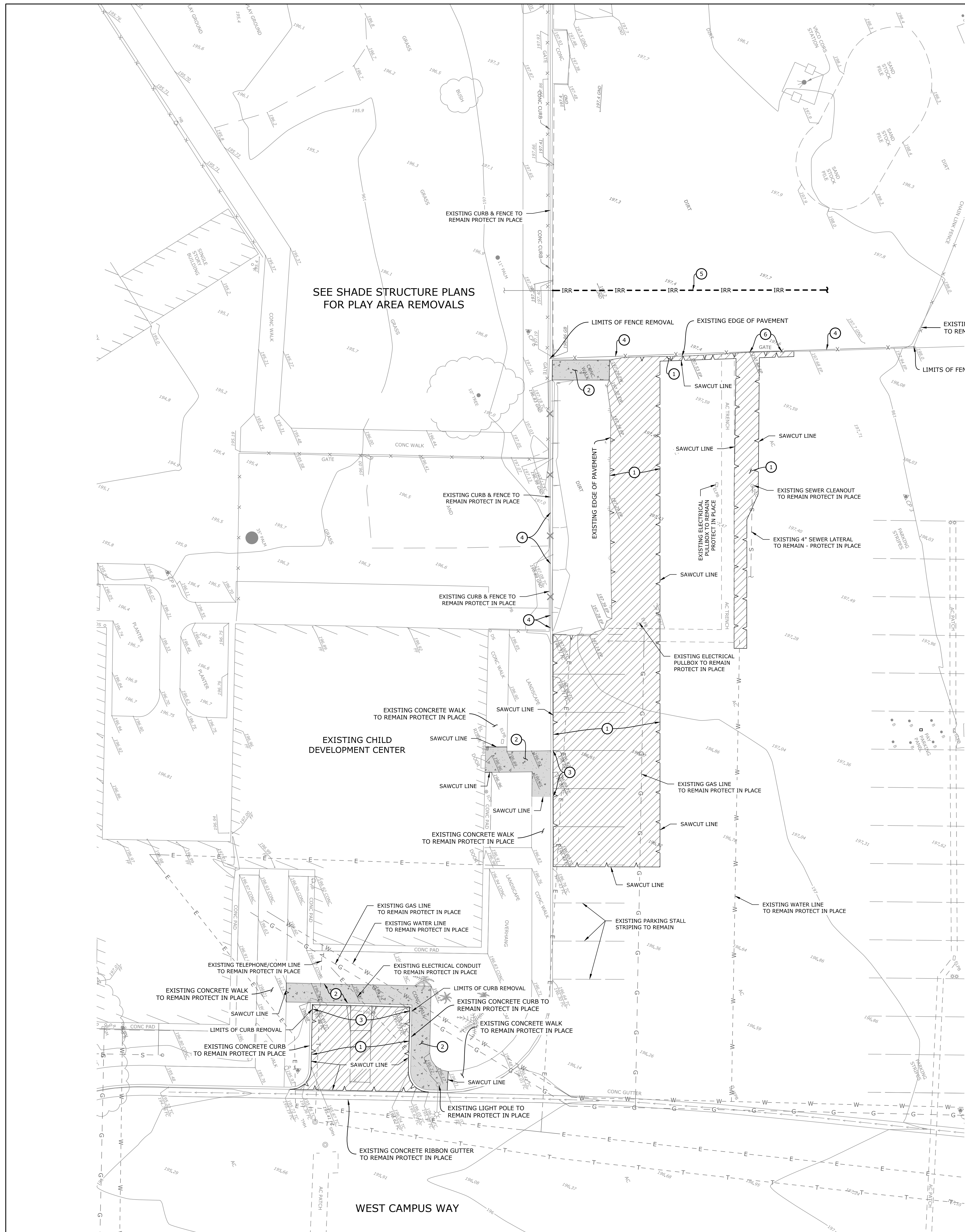
DSA V2 SUBMITTAL 01/24/2023

SHEET TITLE:
GRADING PLAN

PROJECT NO: 227 PROJECT ARCH:
DRAWN: FB CHECKED: GHP

C1.00



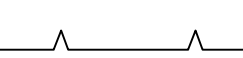
DATE: 01/24/2023 SHEET: 1 OF 3



DEMOLITION NOTES

- ① EXISTING ASPHALT PAVEMENT TO BE REMOVED.
- ② EXISTING PCC CONCRETE PAVEMENT TO BE REMOVED.
- ③ EXISTING CONCRETE CURB TO BE REMOVED.
- ④ EXISTING CHAIN LINK FENCE TO BE REMOVED AND RELOCATED.
- ⑤ EXISTING IRRIGATION LINE TO BE REMOVED.
- ⑥ EXISTING CHAIN LINK GATE TO BE REMOVED AND RELOCATED.

LEGEND

-  PCC CONCRETE PAVEMENT TO BE REMOVED
-  ASPHALT PAVEMENT TO BE REMOVED
-  SAWCUT LINE



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 761 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CHILD DEVELOPMENT CENTER - MODULAR RELOCATION

4667 TELEGRAPH ROAD
 VENTURA, CA 93003

COMMISSIONED ARCHITECT

AMADÒR

2828 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-698-4334

CONSULTANT



STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

▲ DSA V2 SUBMITTAL 01/24/2023

▲

▲

▲

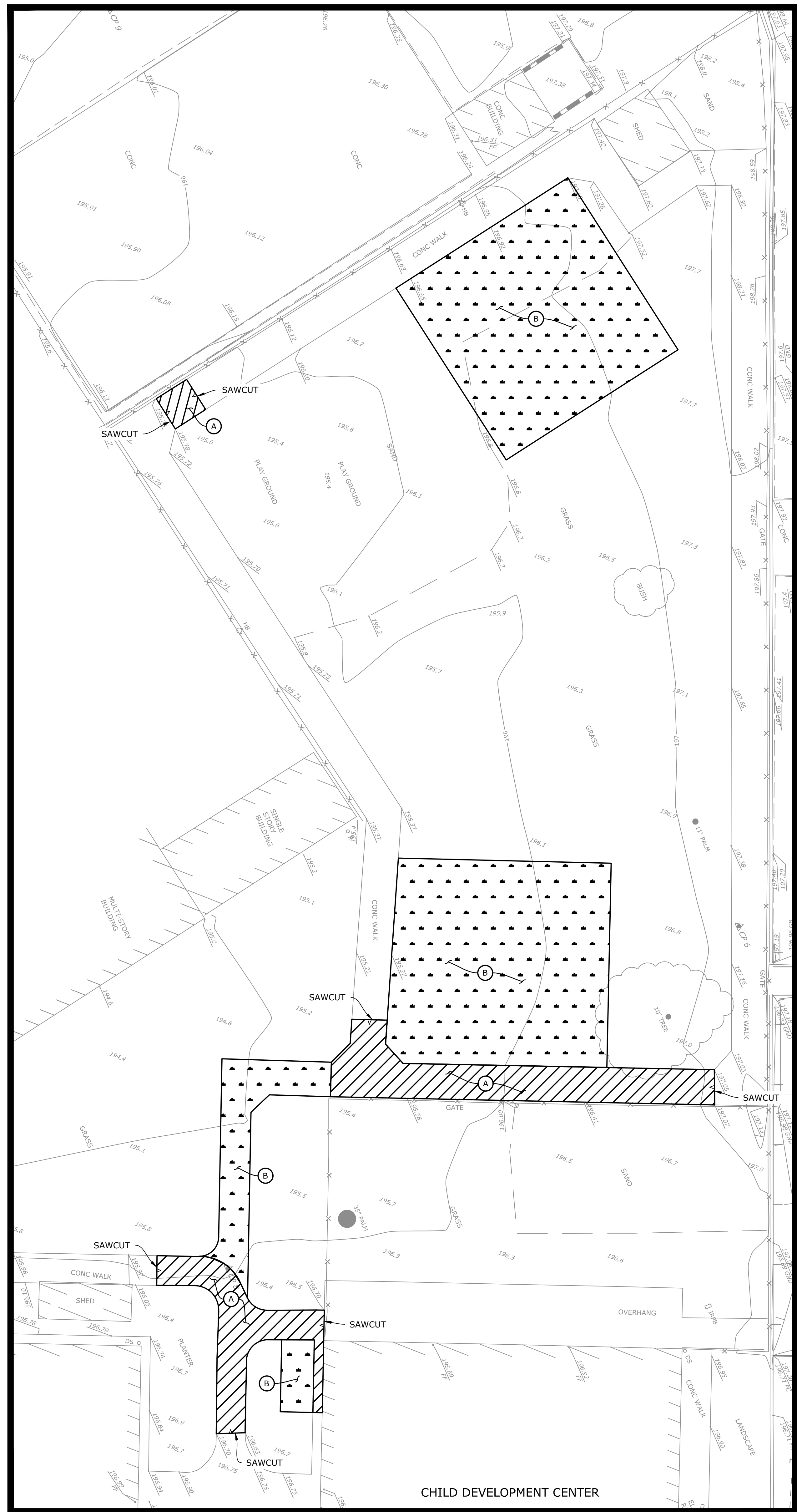
SHEET TITLE:

DEMOLITION PLAN

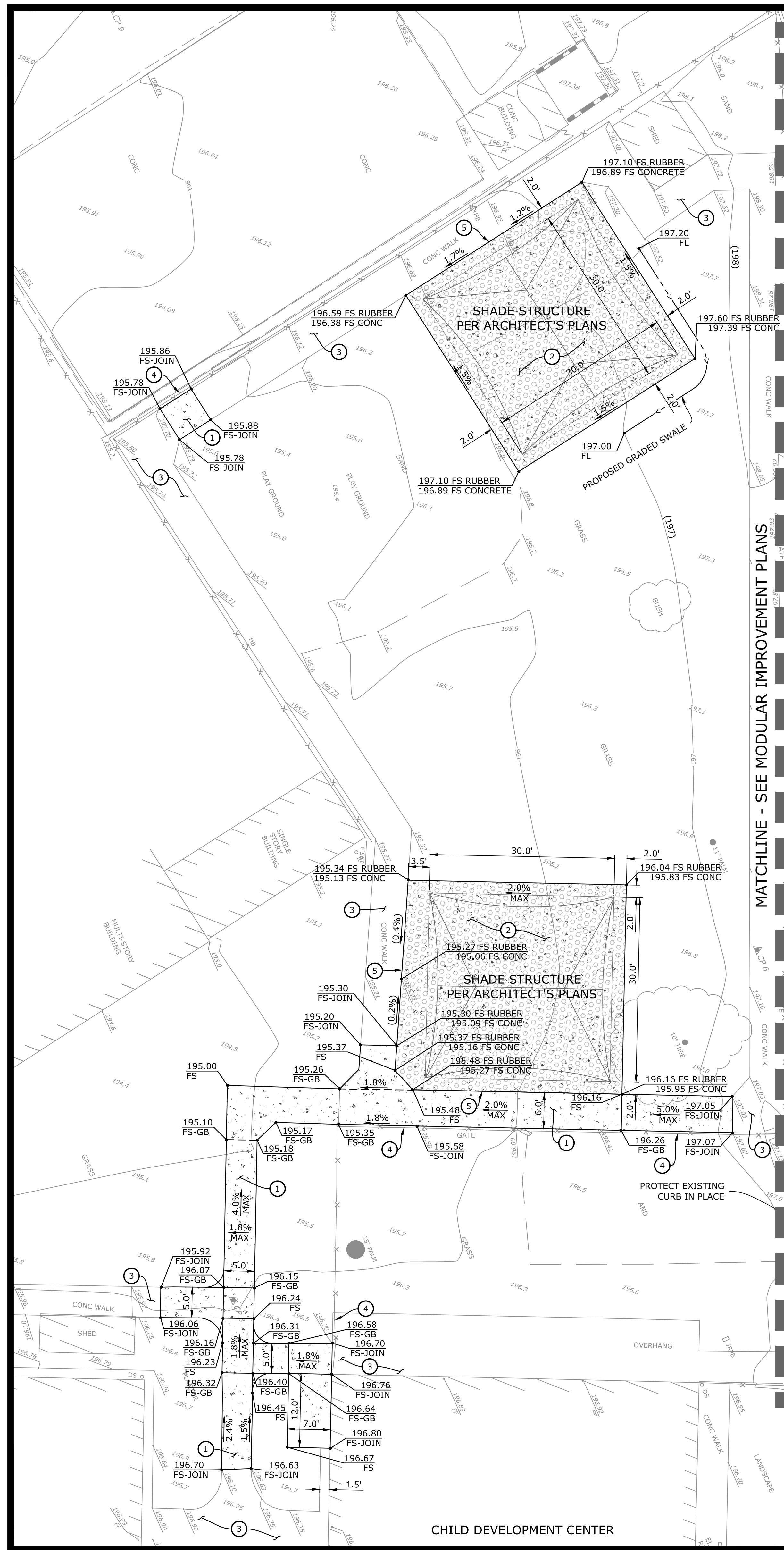
PROJECT NO.: 227 PROJECT ARCH: -
 DRAWN: FB CHECKED: GHP

C1.50

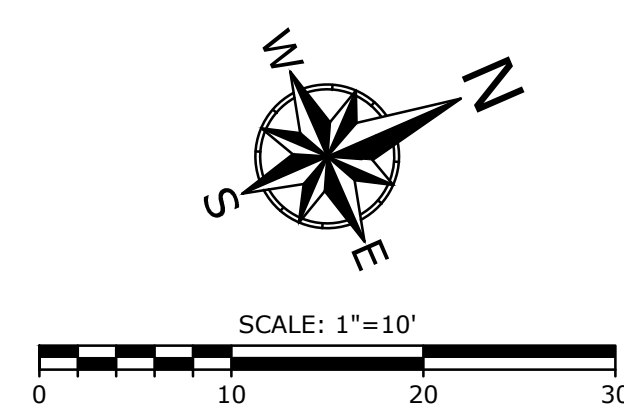
DATE: 01/24/2023 SHEET: 2 OF 3



DEMOLITION PLAN



GRADING PLAN



DEMOLITION NOTES

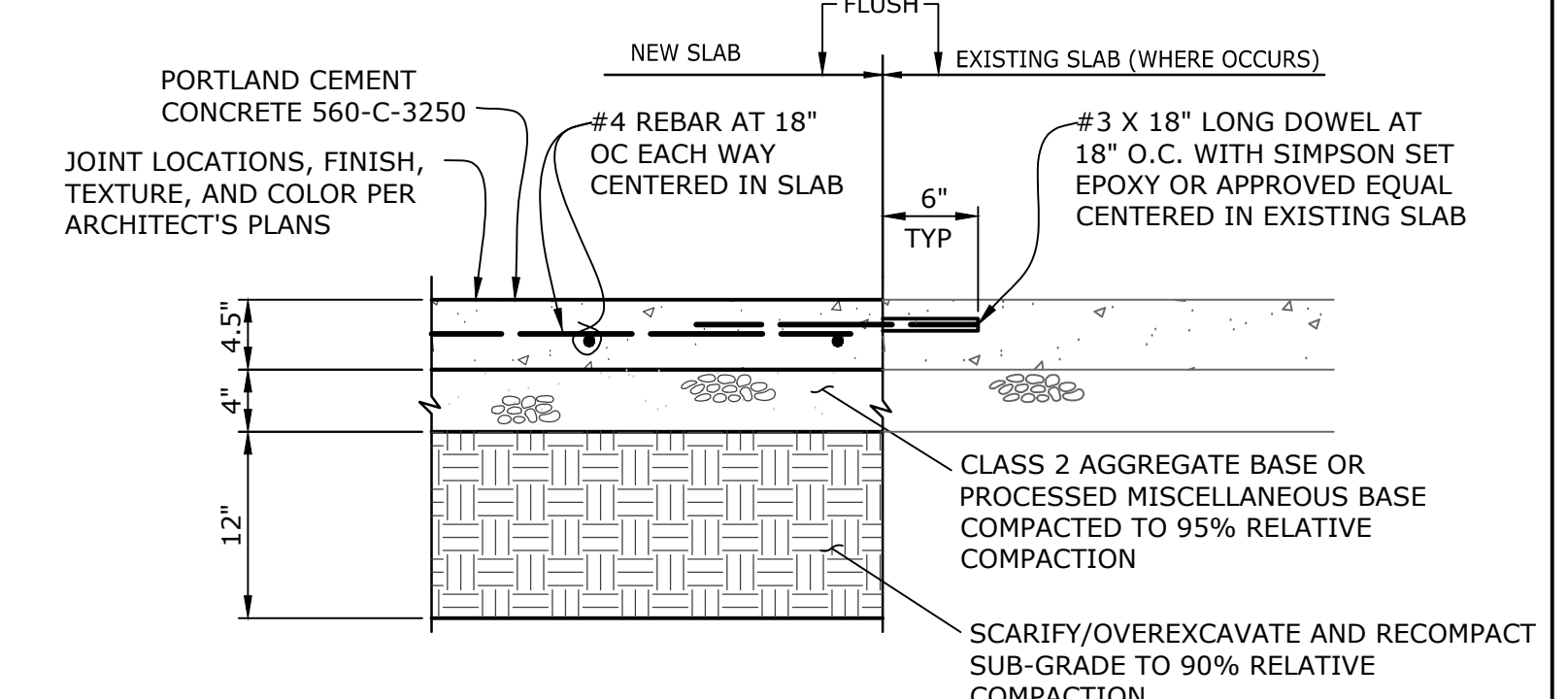
- (A) DEMOLISH AND REMOVE EXISTING CONCRETE WALKWAY. REFER TO ARCHITECTURAL PLANS FOR COLOR AND FINISH.
- (B) EXISTING LANDSCAPING/LAWN TO BE REMOVED.

CONSTRUCTION NOTES

- (1) CONSTRUCT 4.5" THICK CONCRETE WALKWAY PER DETAIL "A", HEREON. REFER TO ARCHITECTURAL PLANS FOR COLOR AND FINISH.
- (2) CONSTRUCT 4.5" THICK CONCRETE PAD PER DETAIL "A", HEREON. REFER TO ARCHITECTURAL PLANS FOR 2.5" PLAY GUARD VULCANIZED COMPOSITION RUBBER MOLDED TILE SAFETY SURFACING.
- (3) EXISTING CONCRETE WALKWAY TO REMAIN - PROTECT IN PLACE.
- (4) EXISTING CHAIN LINK FENCE TO REMAIN - PROTECT IN PLACE.
- (5) TRANSITION FROM CONCRETE WALKWAY TO RUBBERIZED SURFACE PER DETAIL "C" HEREON.

LEGEND

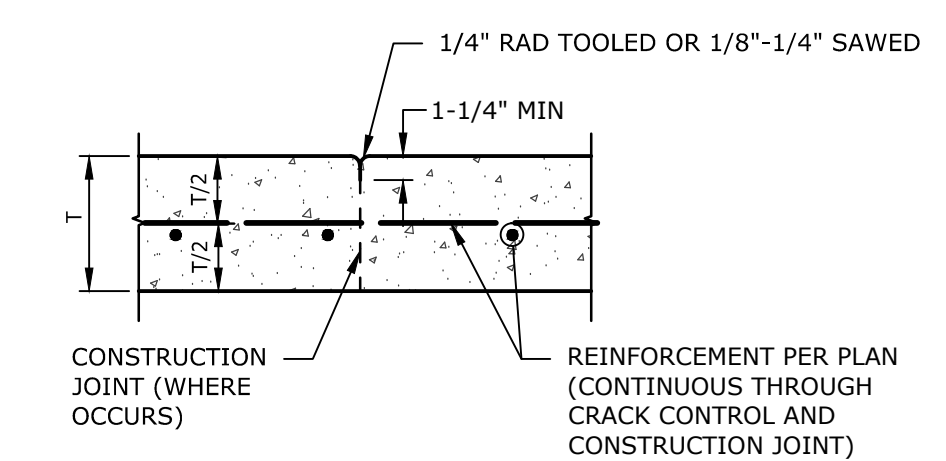
- EXISTING PCC CONCRETE TO BE REMOVED
- EXISTING LANDSCAPING/LAWN TO BE REMOVED
- PROPOSED CONCRETE PAVEMENT
- PROPOSED 4.5" CONCRETE PAVEMENT WITH 2.5" PLAY GUARD RUBBER TILE SURFACE
- SAWCUT
- GRADED SWALE (0.5% MIN)



- NOTES:
- 1. SAWCUT OR TOOLED CRACK CONTROL JOINTS AT 5' MAX O.C. E.W. PER DETAIL "B" THIS SHEET

PEDESTRIAN CONCRETE PAVEMENT SECTION

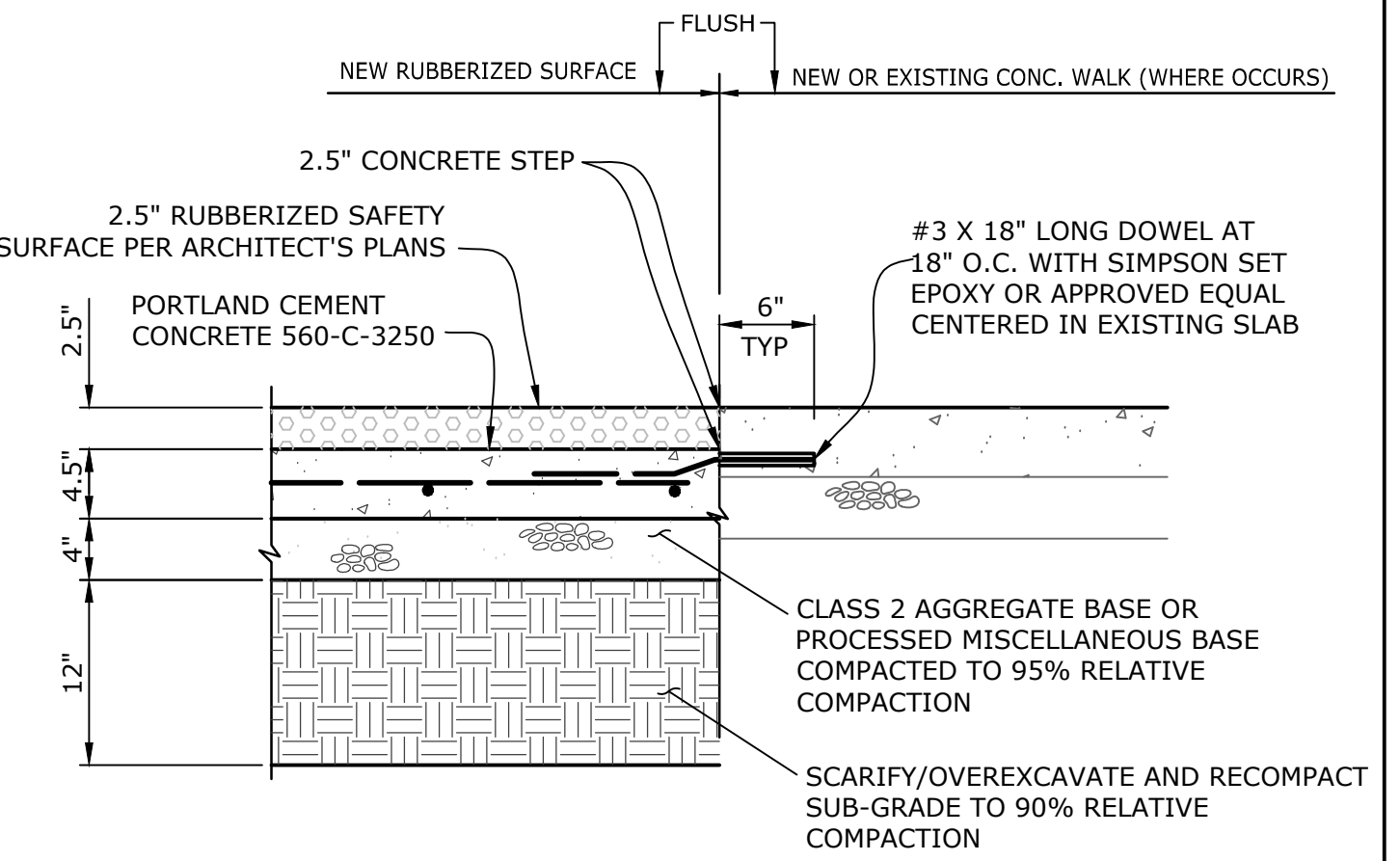
SCALE: N.T.S.



- NOTES:
- 1. CONSTRUCTION JOINTS SHALL ONLY BE LOCATED WHERE A CRACK CONTROL JOINT OR OTHER JOINT WOULD OTHERWISE HAVE BEEN REQUIRED.
 - 2. SEE PLAN FOR THICKNESS, T.
 - 3. FOR CRACK CONTROL JOINTS LOCATIONS, SEE ARCH. PLANS.
 - 4. CRACK CONTROL JOINTS TO BE SPACED AT 8' MAX O.C. E.W.
 - 5. SEE DETAIL "B" HEREON FOR DOWEL INTO EXISTING SLAB

CONSTRUCTION/CRACK CONTROL JOINT

SCALE: N.T.S.



- NOTES:
- 1. SAWCUT OR TOOLED CRACK CONTROL JOINTS AT 5' MAX O.C. E.W. PER DETAIL "B" THIS SHEET

CONCRETE WALK TO RUBBERIZED SURFACE TRANSITION

SCALE: N.T.S.

DIVISION OF THE STATE ARCHITECT
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR:
 SS FLS ACS
 DATE: 04/19/2023



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 761 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CHILD DEVELOPMENT CENTER
 SHADE STRUCTURES &
 POURED-IN-PLACE RUBBER
 SAFETY SURFACING

4667 TELEGRAPH ROAD
 VENTURA, CA 93003

COMMISSIONED ARCHITECT

AMADÒR

2828 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-968-4334

CONSULTANT



STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

DSA V2 SUBMITTAL 01/24/2023

SHEET TITLE:
 SITE DEMOLITION
 AND GRADING PLAN

PROJECT NO.: 227 PROJECT ARCH: -
 DRAWN: FB CHECKED: GHP
 SHEET NUMBER:

C2.00

DATE: 01/24/2023 SHEET: 3 OF 3

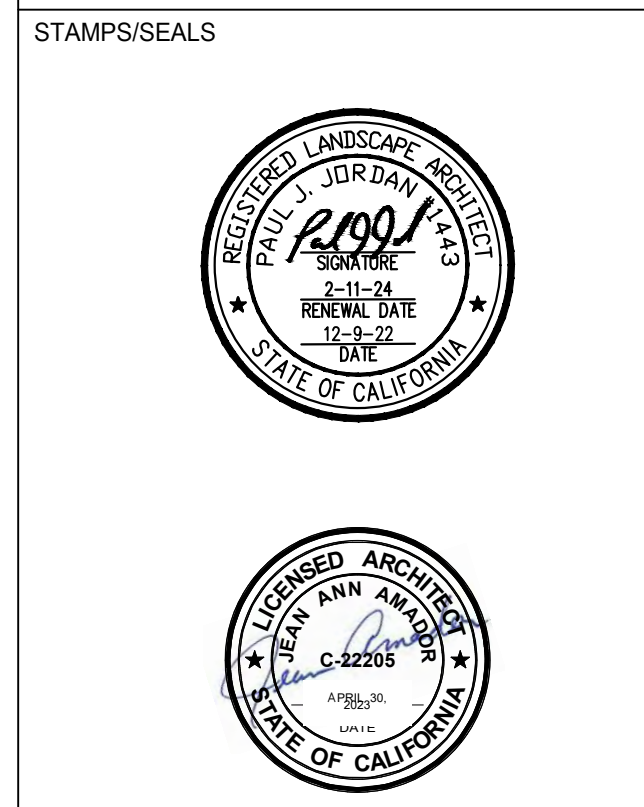


VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 761 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93001
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION
CDC-INSTALLATION (1) PC-MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
 4667 TELEGRAPH RD.
 VENTURA, CA. 93003

COMMISSIONED ARCHITECT
AMADOR

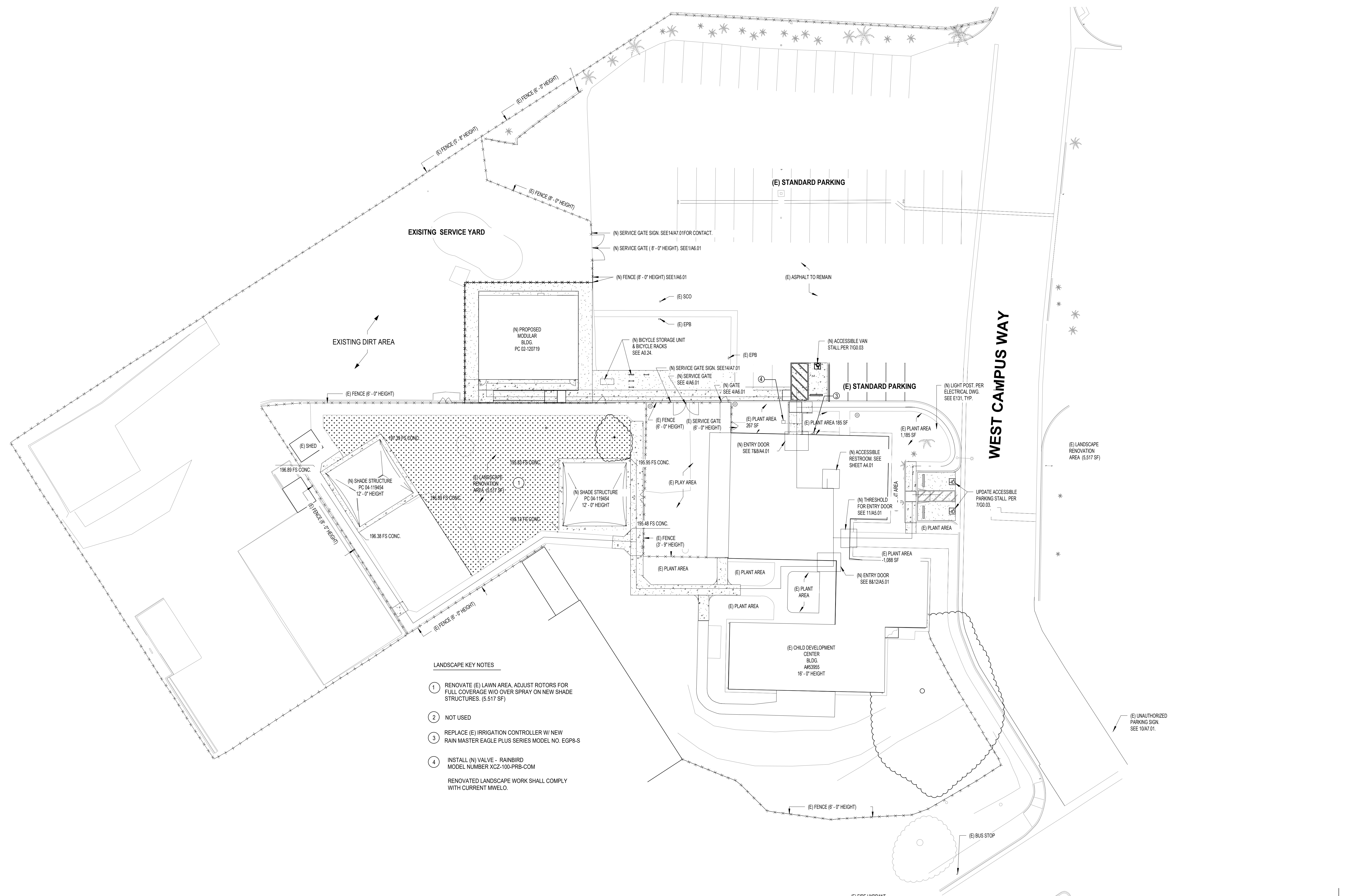
CONSULTANT
JORDAN, GILBERT & BAIN
 LANDSCAPE ARCHITECTS, INC.
 459 NORTH VENTURA AVE., VENTURA CA 93001
 (805) 642-3641 FAX (805) 653-7874



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:
REHABILITATED LANDSCAPE AREA

PROJECT NO.: VCCCD-16 PROJECT ARCH:
 DRAWN: PJ CHECKED: Checker
 SHEET NUMBER:
L1.1
 DATE: 11/29/2022 SHEET: OF



- LANDSCAPE KEY NOTES**
- RENOVATE (E) LAWN AREA, ADJUST ROTORS FOR FULL COVERAGE W/O OVER SPRAY ON NEW SHADE STRUCTURES. (5,517 SF)
 - NOT USED
 - REPLACE (E) IRRIGATION CONTROLLER W/ NEW RAIN MASTER EAGLE PLUS SERIES MODEL NO. EGP8-S
 - INSTALL (N) VALVE - RAINBIRD MODEL NUMBER XCZ-100-PRB-COM
- RENOVATED LANDSCAPE WORK SHALL COMPLY WITH CURRENT MWELC.

1 REHABILITATED LANDSCAPE AREA
 1" = 20'-0"

LEGEND

- +— F.H. FIRE HYDRANT
- BUILDING LINE
- OVERHANG
- PATH OF TRAVEL
- (N) ASPHALT PAVING
- (N) TRUNCATED DOMES
- (N) CONCRETE SIDEWALK
- AREA OF WORK

ROOM TAG

ROOM NO. 222
 ROOM NAME OFFICE, B
 S.F. OF ROOM 100 SF/100 = 1
 OCCUPANT FACTOR 1
 OCCUPANCY TYPE
 OCCUPANTS

- x — x — x — (NEW) 8' - 0" FENCE/GATE
- x — x — x — EXISTING FENCE/GATE

DESIGN PROFESSIONAL RESPONSIBLE CHARGE STATEMENT

THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTION OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

PARKING ANALYSIS

STANDARD STALLS	47
ACCESSIBLE STALLS REQUIRED	2
ACCESSIBLE VAN REQUIRED	1
TOTAL PARKING	50
ACCESSIBLE STALLS PROVIDED	2
ACCESSIBLE VAN PROVIDED	1

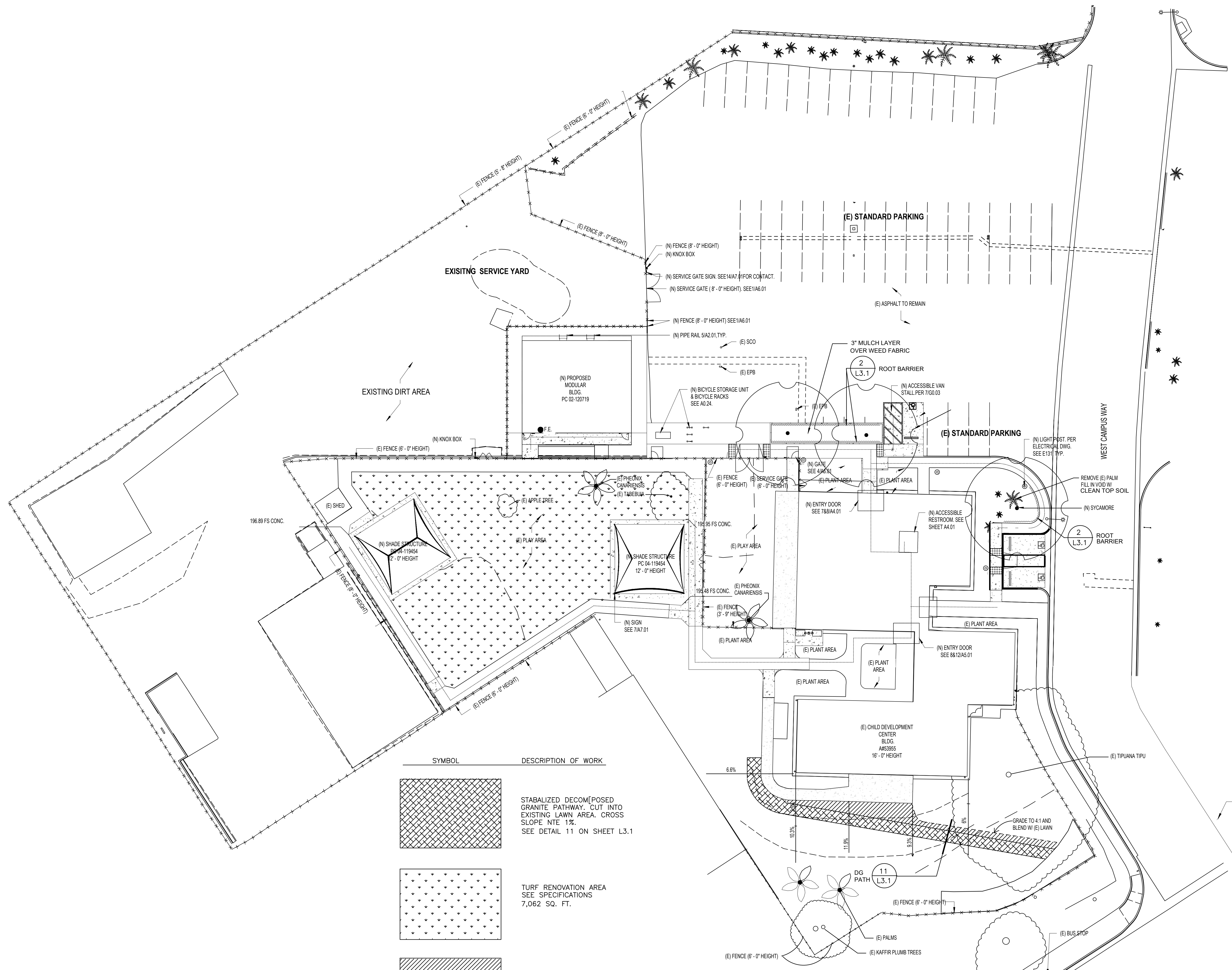
NOTE: NEW SHADE STRUCTURES (DSA #03-122783) DOES NOT INCREASE THE OCCUPANT LOAD OF THE CAMPUS. THEREFORE, THE TOTAL NUMBER OF EXISTING PARKING STALLS MEETS CODE REQUIREMENTS, AND NO ADDITIONAL PARKING SPACES WILL BE REQUIRED.

GENERAL NOTES

- ALL ITEMS SHOWN ARE EXISTING UNLESS NOTED NEW.
- ALL FIRE ACCESS ROADS, ACCESS GATES, FIRE HYDRANTS AND FIRE FLOW ARE (E) TO REMAIN UNMODIFIED.
- FOR WALKWAYS, THE SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT EXCEED 1:20 GRDIENT(5.0%) AND CROSS SLOPE SHALL NOT EXCEED 1:50 GRDIENT (2.0%) WITH A MINIMUM WIDTH OF FORTY EIGHT INCHES (48"). CBC 1133B.7.3 & 1133B7.1.3
- REFER TO CIVIL PLANS FOR NEW CONCRETE SIDEWALK AND ASPHALT PAVING GRADES.
- CONTRACTOR TO PROVIDE BICYCLE STORAGE UNIT AND BIKE RACKS.

DSA CERTIFICATION INFORMATION

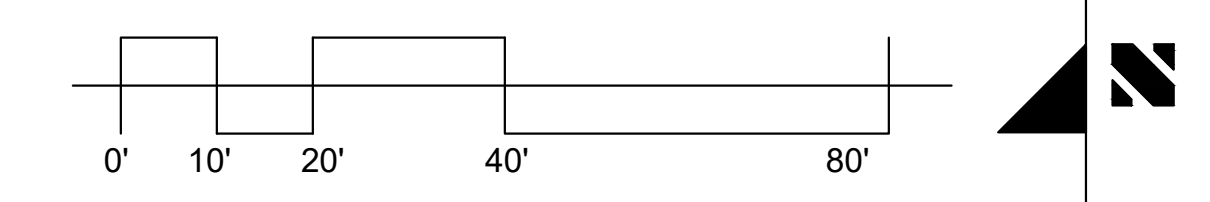
1. (E) CHILD DEVELOPMENT CENTER BUILDING A# 03-53955 WAS CERTIFIED 08/28/1998



SYMBOL	DESCRIPTION OF WORK
	STABILIZED DECOMPOSED GRANITE PATHWAY, CUT INTO EXISTING LAWN AREA. CROSS SLOPE: NTE 1% SEE DETAIL 11 ON SHEET L3.1
	TURF RENOVATION AREA SEE SPECIFICATIONS 7,062 SQ. FT.
	SOD GRADED AREA AND BLEND IN WITH EXISTING LAWN WITH SMOOTH EVEN TRANSITION. SOD - GN-1 HYBRID BERMUDA

PLANT LEGEND				
TREES				
SYMBOL	QUANTITY	SIZE	BOTANICAL NAME COMMON NAME	DETAIL REFERENCE
	3	24" BOX STANDARD	PLATANUS RACEMOSA CALIFORNIA SYCAMORE	DETAIL 1-2-4 SHEET L3.1

1 PLANTING PLAN
1" = 20'-0"



DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 04/19/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
WOODPARK OXNARD VENTURA

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION
CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADOR

28228 AGOURA RD, 203 | AGOURA HILLS CA, 91001 | 865-568-4284

CONSULTANT

JORDAN, GILBERT & BAIN
LANDSCAPE ARCHITECTS, INC.
459 NORTH VENTURA AVE., VENTURA CA 93001
(805) 642-3641 FAX (805) 653-7874
Jordan, Gilbert & Bain Landscape Architects, Inc. © 2019

STAMPS/SEALS

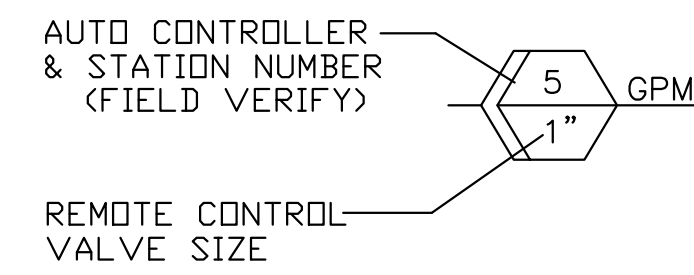
DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

△
△
△
SHEET TITLE:

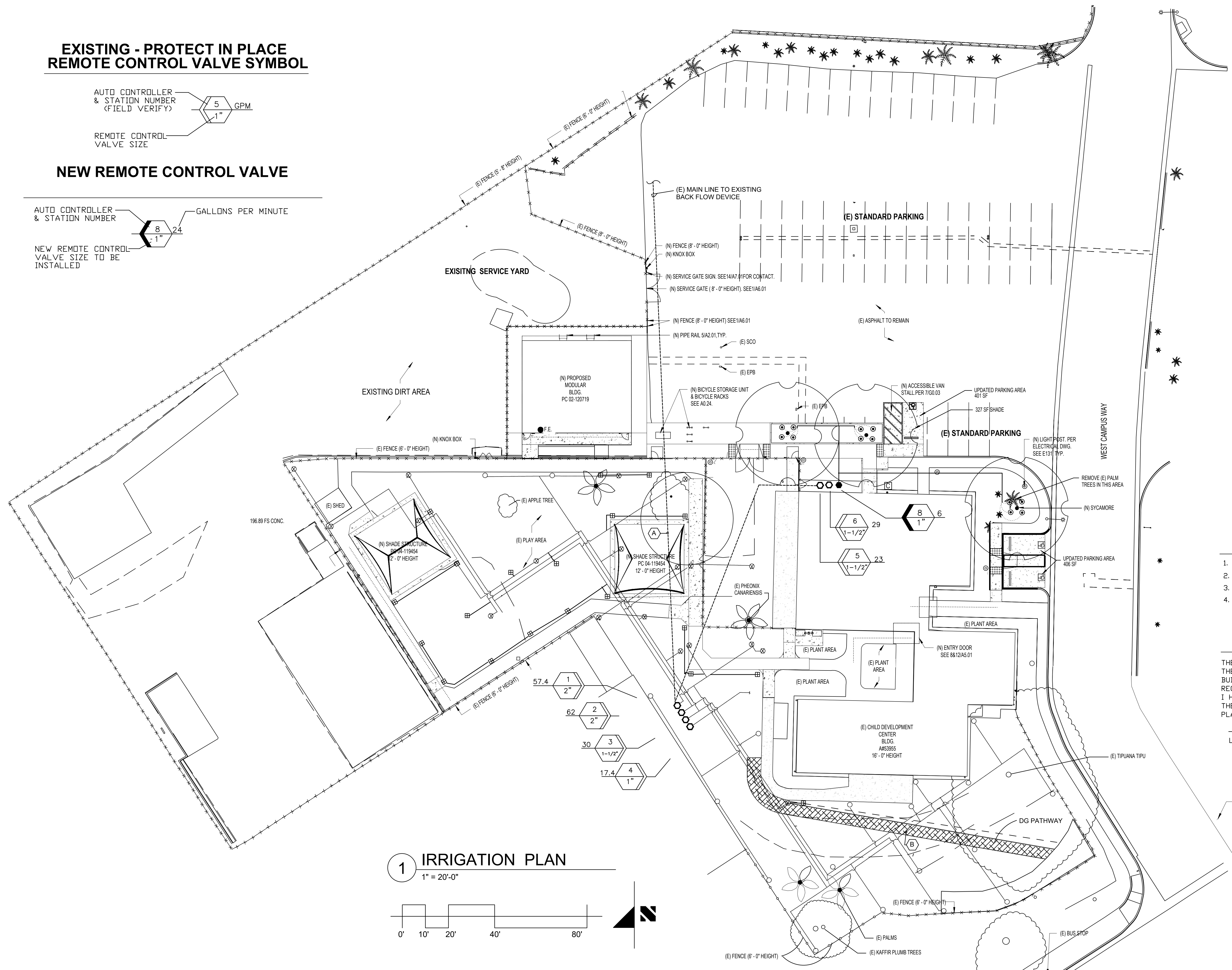
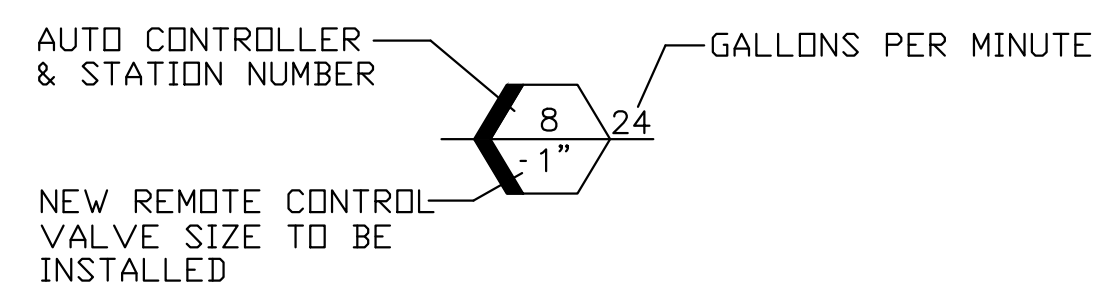
PLANTING PLAN

PROJECT NO.: 22-VCCCD-16	PROJECT ARCH: JA
DRAWN: PJ	CHECKED: Checker
L1.2	
DATE: 11/29/2022	SHEET: ___ OF ___

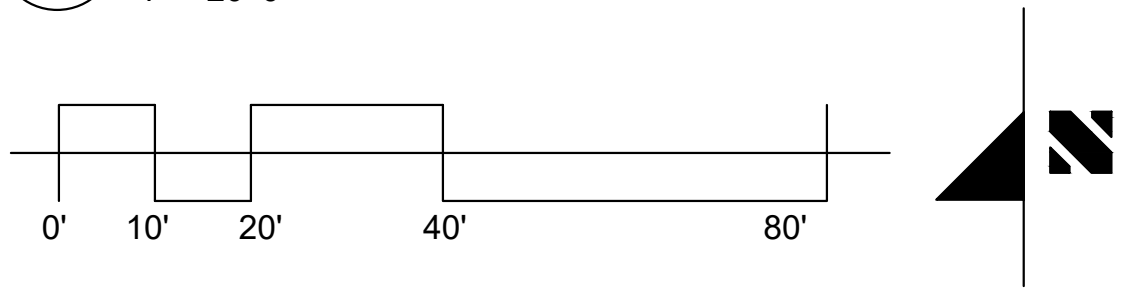
**EXISTING - PROTECT IN PLACE
REMOTE CONTROL VALVE SYMBOL**



NEW REMOTE CONTROL VALVE



1 IRRIGATION PLAN
1" = 20'-0"



IRRIGATION LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	DETAIL / SHEET
---	EXISTING LATERAL	EXISTING	EXISTING
---	EXISTING MAIN LINE	EXISTING	EXISTING
□	IRRIGATION CONTROLLER	RAN MASTER	REPLACE (E) IRRIGATION CONTROLLER W/ NEW P RAIN MASTER EAGLE PLUS SERIES MODEL NO. EGP8-S 6 / L3.1
---	LATERAL	PACIFIC PLASTICS	SCH. 40 PVC - 3/4" & LARGER - SOLVENT WELD - 12" BELOW GRADE 6 / L3.1
○	EXISTING ROTOR	HUNTER I20	REMOVE (E) ROTOR AND ABANDONED LATERAL
⊗	EXISTING ROTOR	HUNTER I20	REMOVE (E) ROTOR AND ABANDONED LATERAL
●	REMOTE CONTROL VALVE	RRRAINBIRD	EFB-CP-PRS-D SERIES - SIZES NOTED - IN A STANDARD RECTANGULAR VALVE BOX
⊞	(N) ROTOR	HUNTER I20	CUT INTO (E) LATERAL AS INDICATED 5 / L3.1
⊙	PRESSURE COMPENSATING FLOOD BUBBLER WITH BUILT IN CHECK VALVE	G.P.H. IRRIGATION PRODUCTS	MODEL GPCBCV50 / BLACK COLORED BUBBLER EQUIPPED WITH BUILT IN CHECK VALVE. INSTALL (1) BUBBLER PER EACH SHRUB ON 1/2" IRRIGATION SIZE (3/8" IPS) FLEXIBLE PVC HOSE, 'STICKY STRIPE' G.P.H. MODEL GPCVSSRARSORRR (BLACK HOSE WITH ORANGE STRIPE) WITH (2) SOLVENT WELD G.P.H. MODEL G436073B BLACK MALE ADAPTERS. CUT LENGTH OF FLEXIBLE PVC TUBING STARTING FROM RIGID PVC LATERAL SUPPLY TO LENGTH NEEDED TO INSTALL EMITTER WITHIN PLANT BASIN IN THE FIELD. USE I.P.S. PIPE PRIMER MODEL 'P-70' AND I.P.S. SOLVENT CEMENT MODEL '795' FOR ALL FLEXIBLE PVC TUBING SOLVENT WELDS TO BLACK COLORED G.P.H. MALE ADAPTERS. 30 1 0.50 9 / L3.1
---	FLEXIBLE PVC TUBING	G.P.H. IRRIGATION PRODUCTS	ORANGE STRIPE) WITH (2) SOLVENT WELD G.P.H. MODEL G436073B BLACK MALE ADAPTERS. CUT LENGTH OF FLEXIBLE PVC TUBING STARTING FROM RIGID PVC LATERAL 9 / L3.1

- SEASONAL MAINTENANCE SCHEDULE**
- CLEAN AND FLUSH ALL DRIP FILTERS ONCE (1) EVERY (4) MONTHS.
 - FLUSH PVC DRIP LATERAL PIPING A MINIMUM OF TWICE A YEAR.
 - ROTATE ALL BALL VALVE HANDLES A MINIMUM OF (3) TIMES PER YEAR.
 - THE BACKFLOW DEVICE MUST BE TESTED A MINIMUM OF ONCE PER YEAR.

2015 MWEO COMPLIANCE STATEMENT

THE LANDSCAPE DESIGN ILLUSTRATED ON THESE PLANS COMPLIES WITH THE MANDATORY ELEMENTS OF THE CITY OF MOORPARK DEPARTMENT OF BUILDING AND SAFETY GREEN BUILDING CODE AND MWEO REQUIREMENTS.

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

Jordan Gilbert 1443 1-27-23
LANDSCAPE ARCHITECT LICENSE NUMBER DATE

- KEY NOTES**
- (A) REROUTE IRRIGATION MAIN LINE AROUND NEW SHADE STRUCTURE CONC PAD
 - (B) IF LATERALS ARE EXPOSED DURING GRADING FOR D.G.PATH LOWER LATERALS MINIMUM 12" BELOW BOTTOM OF DG PATH.

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
781 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION
CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT
AMADÒR

28228 AGOURA RD. 203 | AGOURA HILLS CA. 91001 | 865-668-4284
CONSULTANT
JORDAN, GILBERT & BAIN
LANDSCAPE ARCHITECTS, INC.
459 NORTH VENTURA AVE., VENTURA CA 93001
(805) 642-3641 FAX (805) 653-7814
Jordan, Gilbert & Bain Landscape Architects, Inc. © 2019

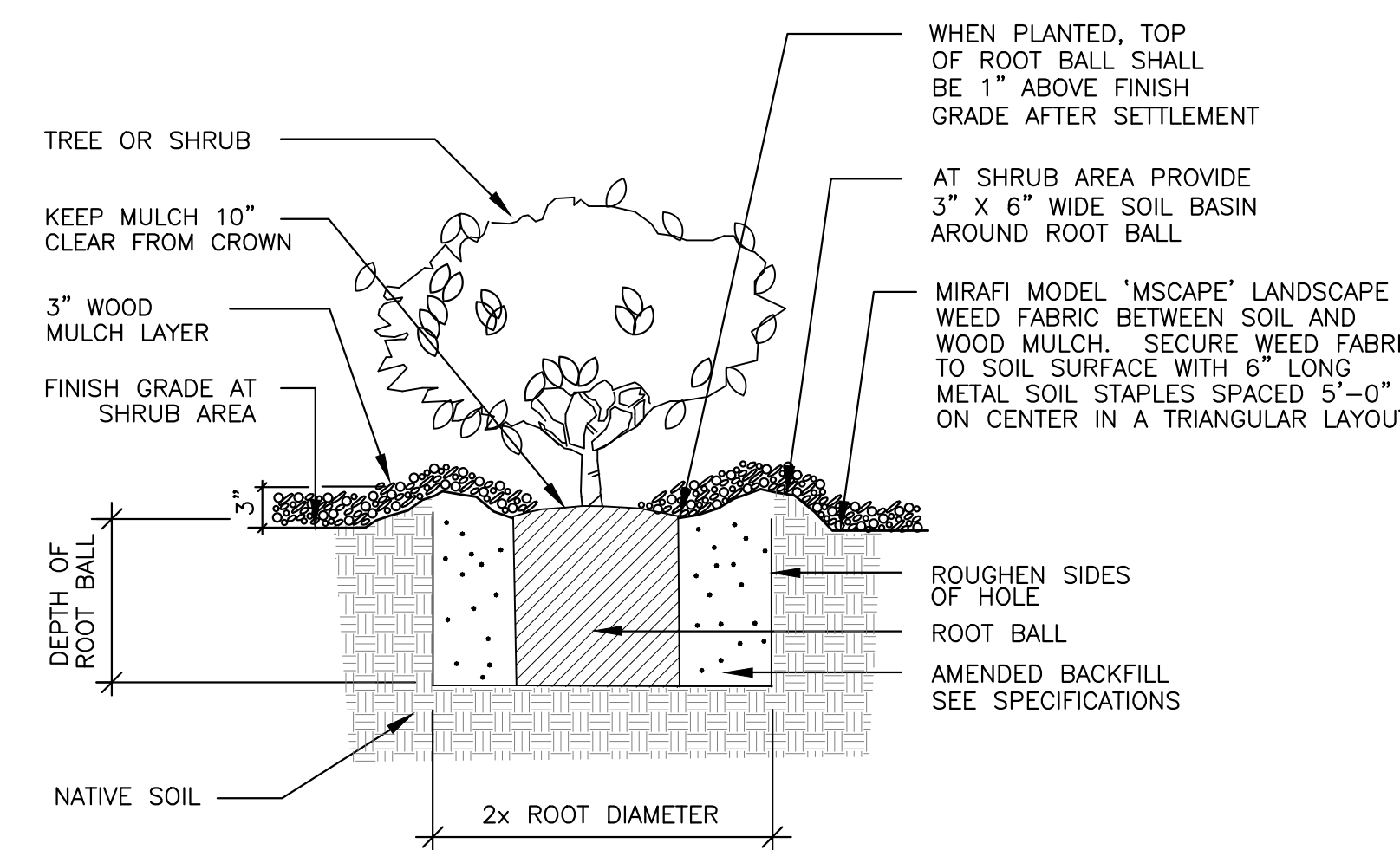
STAMPS/SEALS

DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

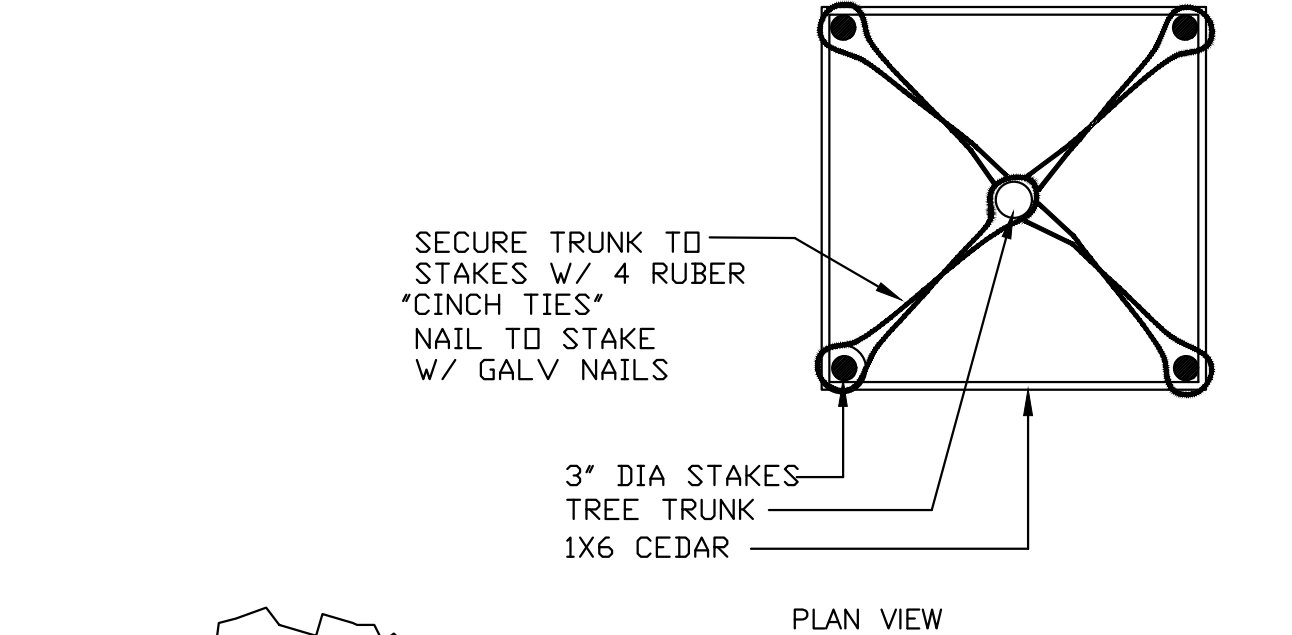
IRRIGATION PLAN

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
DRAWN: PJ CHECKED: Checker
SHEET NUMBER: **L2.1**
DATE: 11/29/2022 SHEET: OF

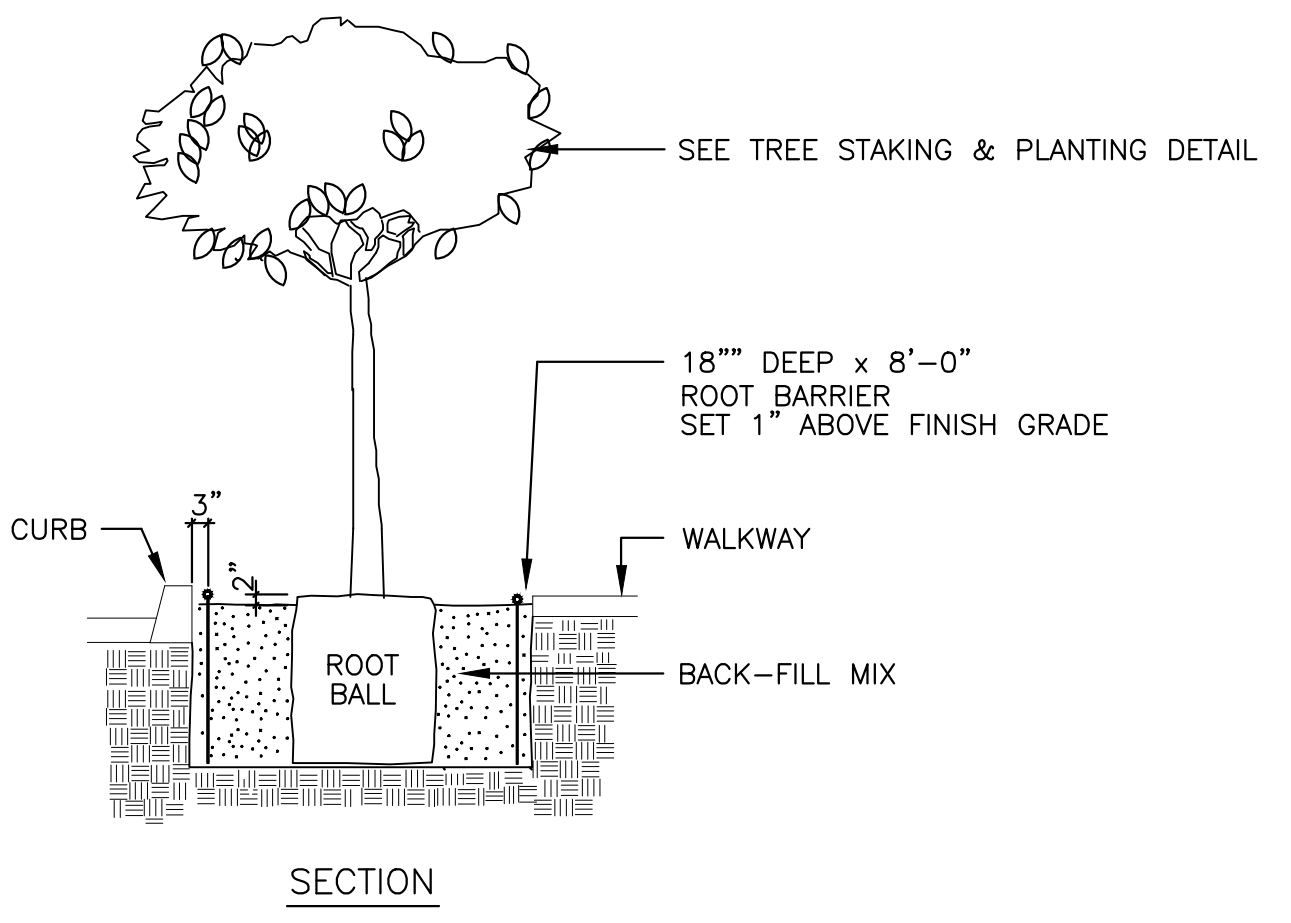


SCALE = N.T.S.

1 TREE PLANTING DETAIL

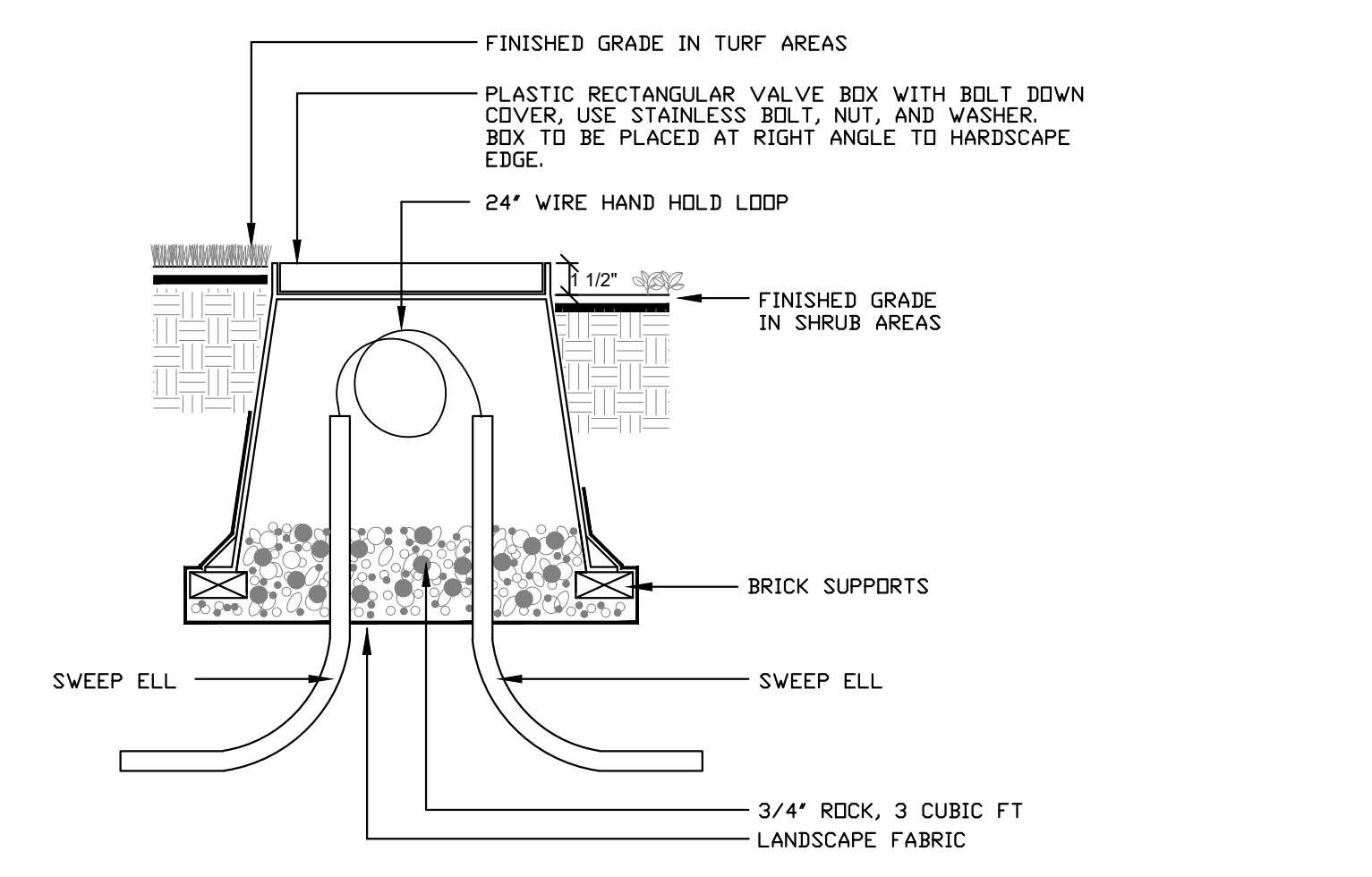


NOTE:
INSTALL ROOT BARRIER WHERE INDICATED ON THE PLAN

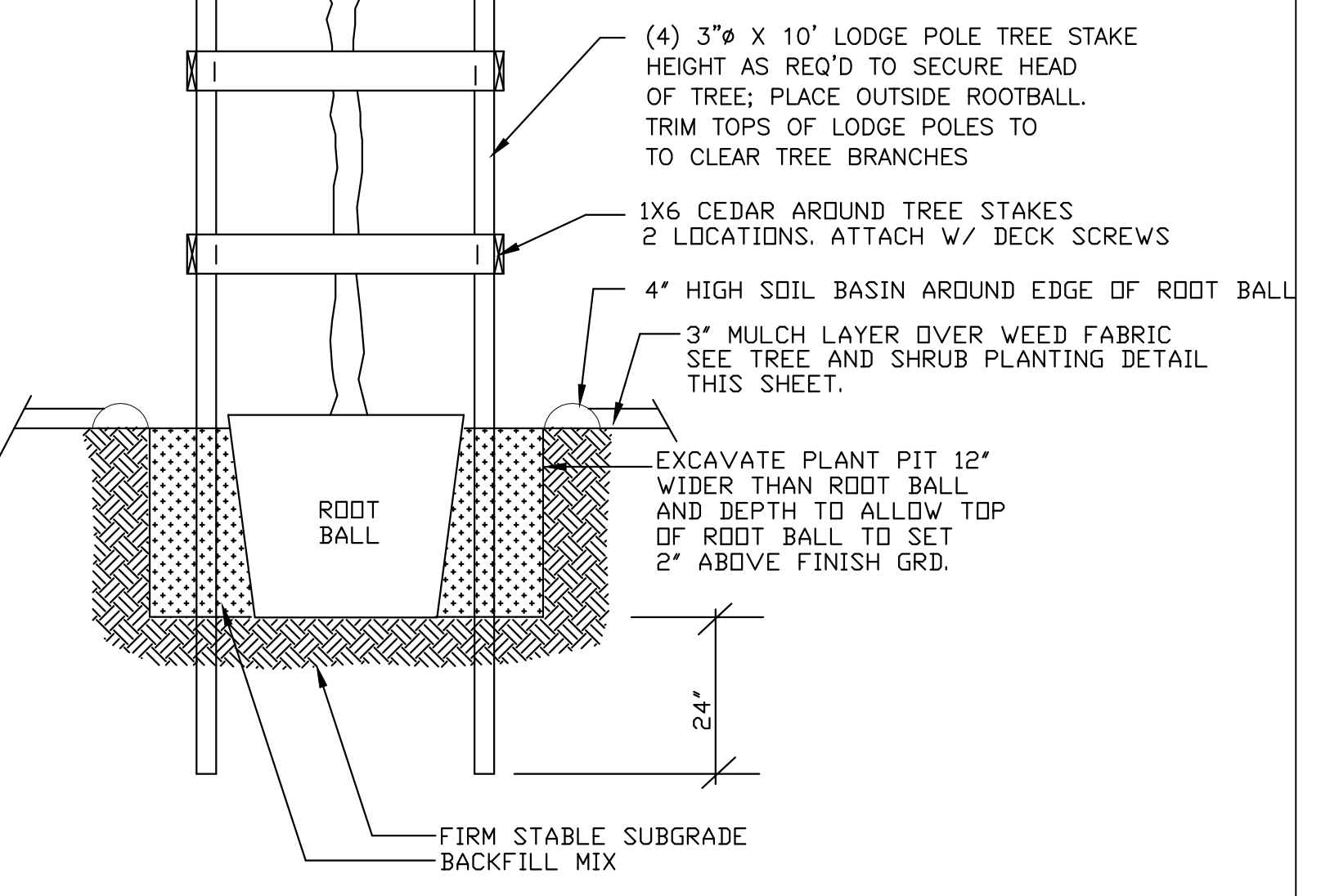


SCALE = N.T.S.

2 TREE ROOT BARRIER

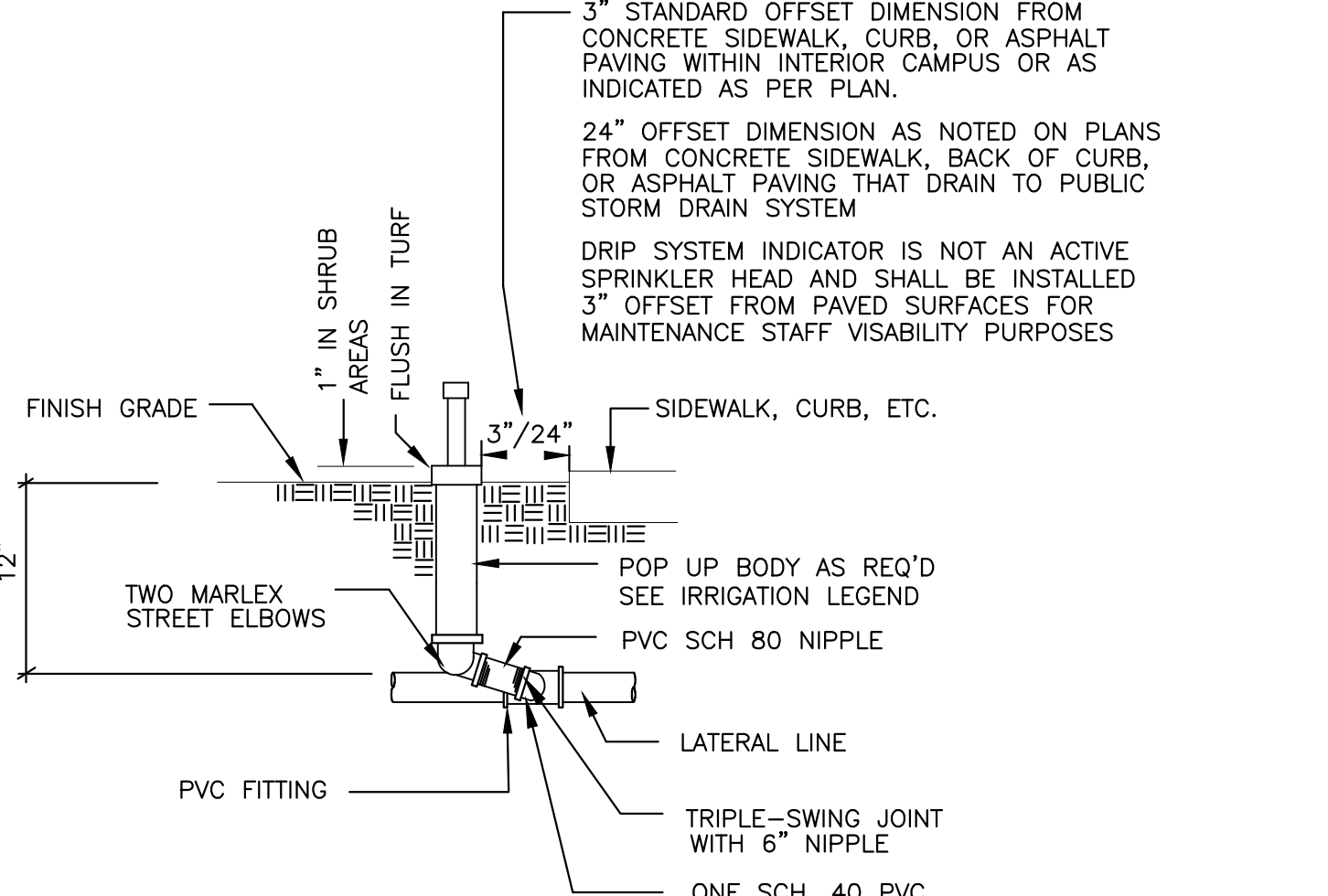


3 CONTROL WIRE SPLICE



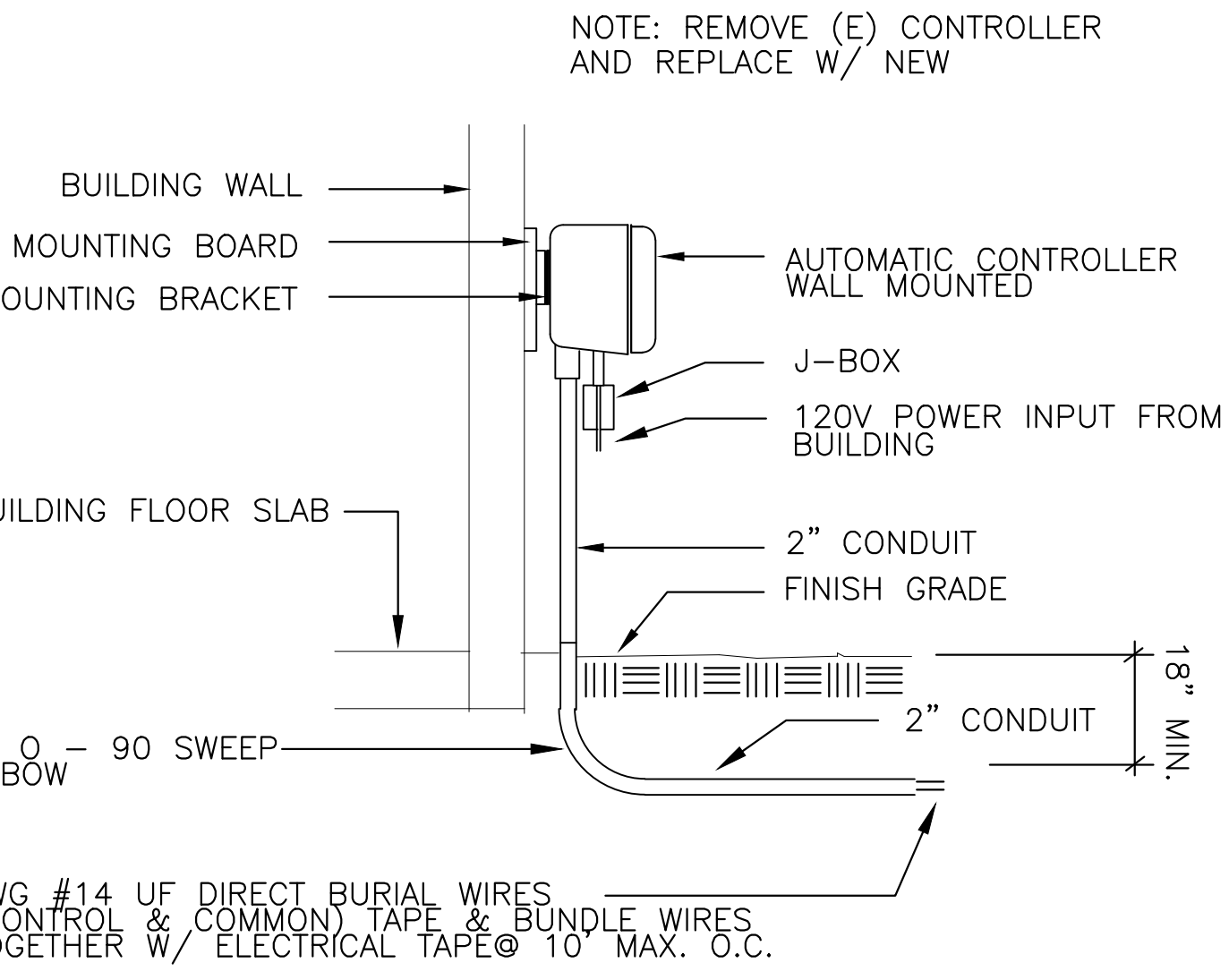
SCALE = 1/2\"/>

4 SPECIMEN TREE STAKING



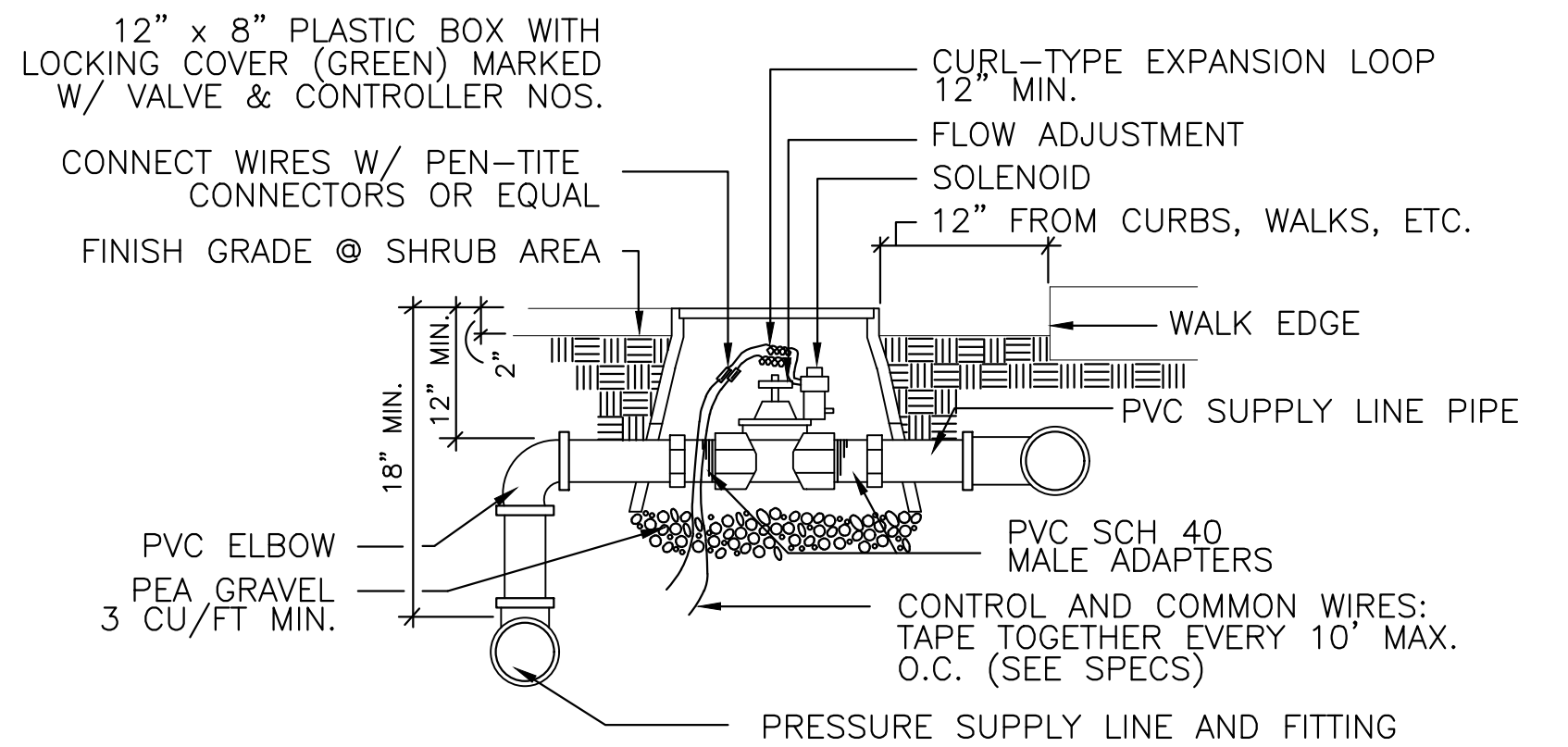
SCALE = N.T.S.

5 POP UP ROTATOR HEAD



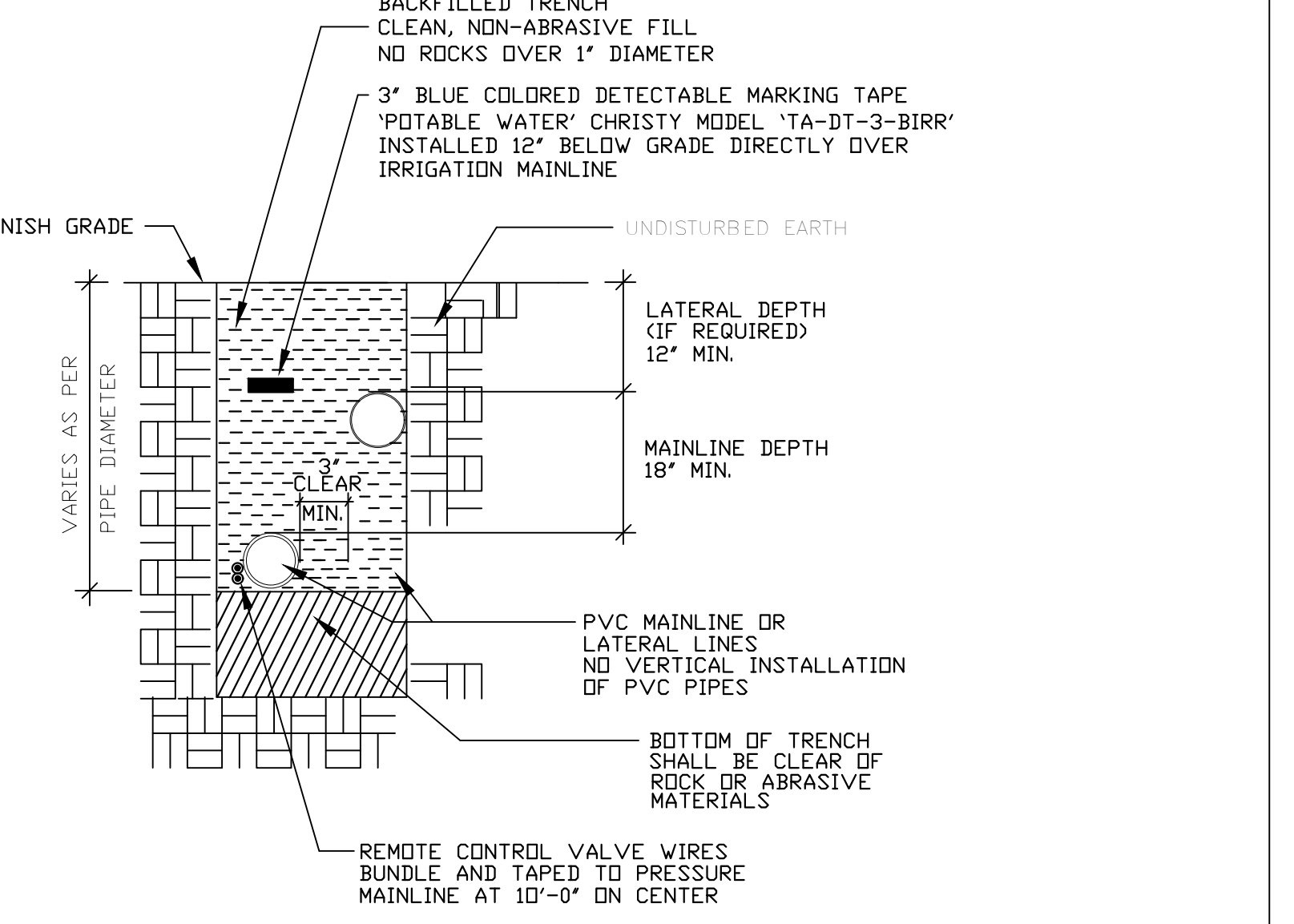
SCALE = N.T.S.

6 AUTO CONTROLLER

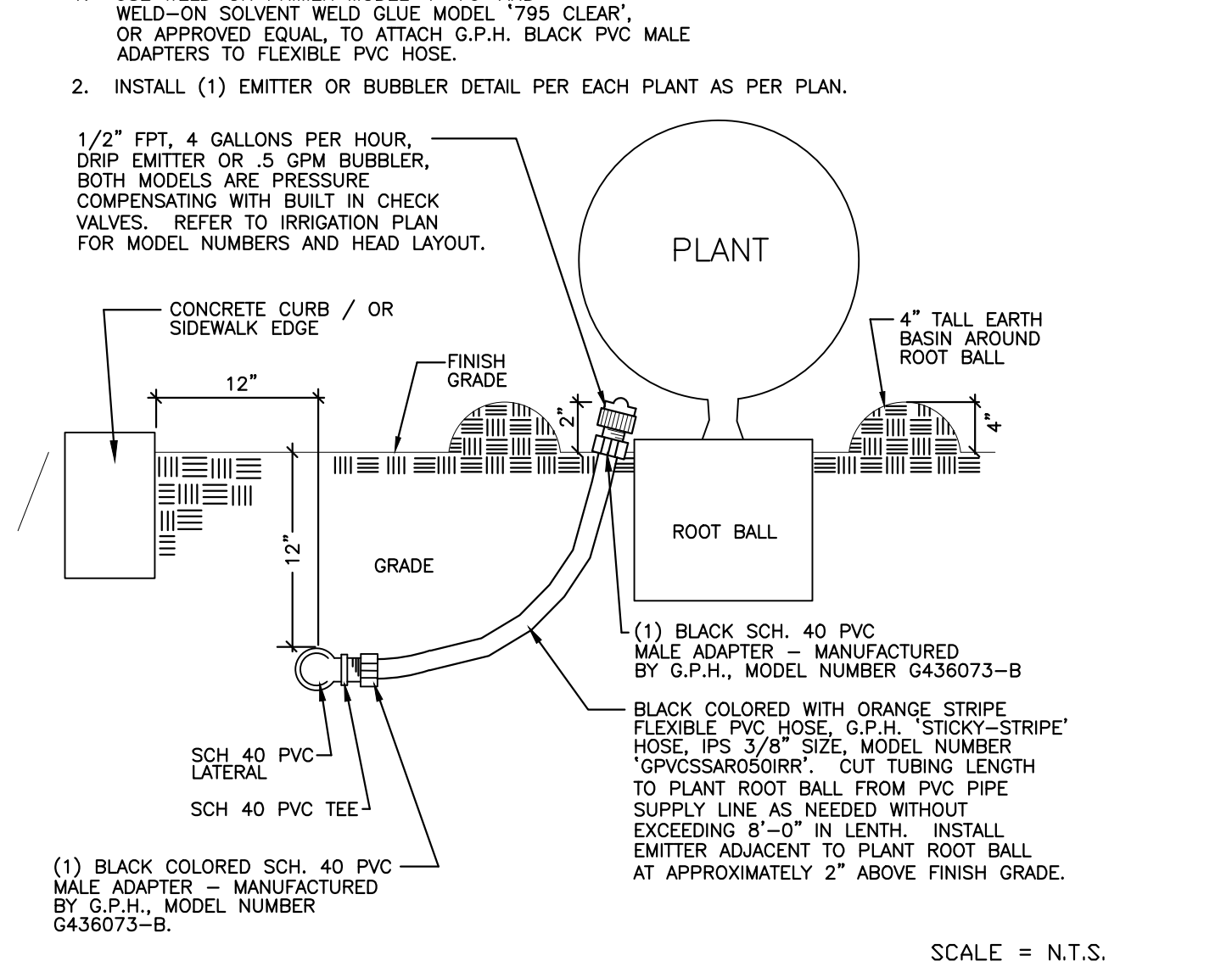


NOTE:
CONTRACTOR SHALL BRAND INTO VALVE BOX LID THE STATION NUMBER IN 1\"/>

7 REMOTE CONTROL VALVE



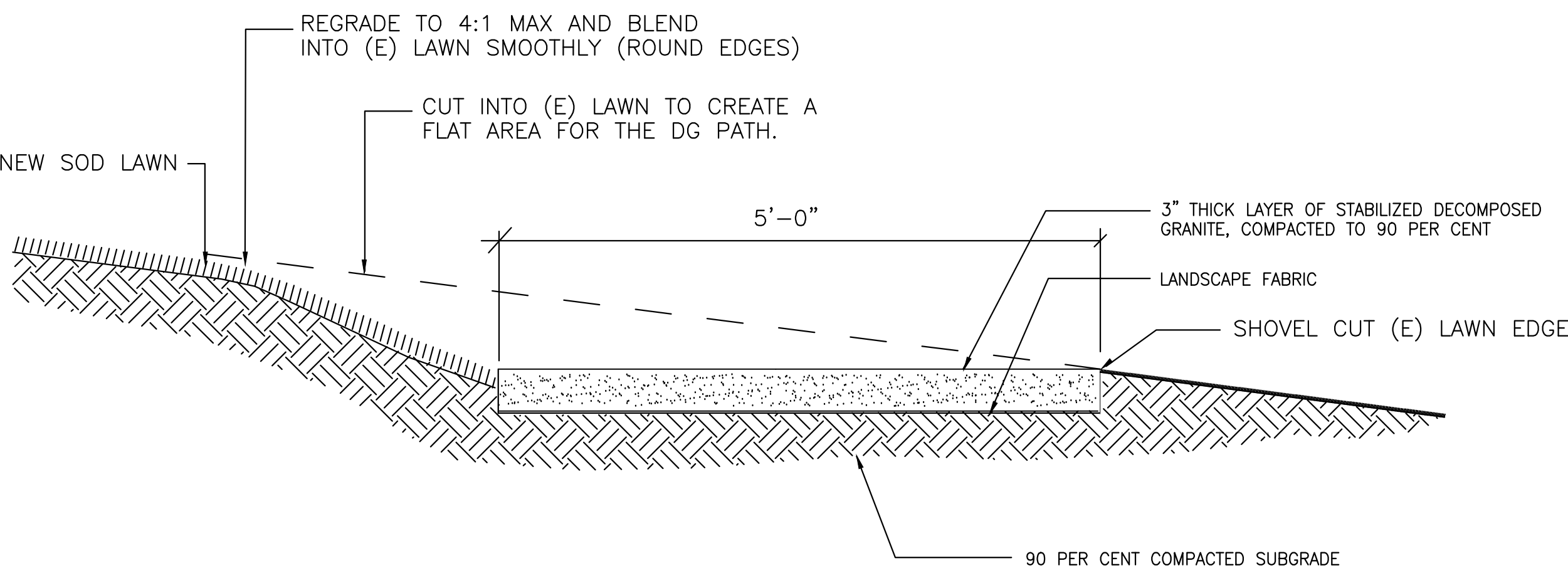
8 IRRIGATION PIPE AND CONDUIT TRENCH SECTION



SCALE = N.T.S.

9 SHRUB BUBBLER ON FLEXIBLE PVC TUBING

10 NOT USED



SCALE 1\"/>

11 DECOMPOSED GRANITE PATH

NOT USED

NOT USED



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION
CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADOR

28328 AGOURA RD. 203 | AGOURA HILLS CA. 91011 | 805-698-4334

CONSULTANT

JORDAN, GILBERT & BAIN
LANDSCAPE ARCHITECTS, INC.
459 NORTH VENTURA AVE., VENTURA CA 93001
(805) 642-3641 FAX (805) 653-7874
Jordan, Gilbert & Bain Landscape Architects, Inc. © 2019

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/29/2023

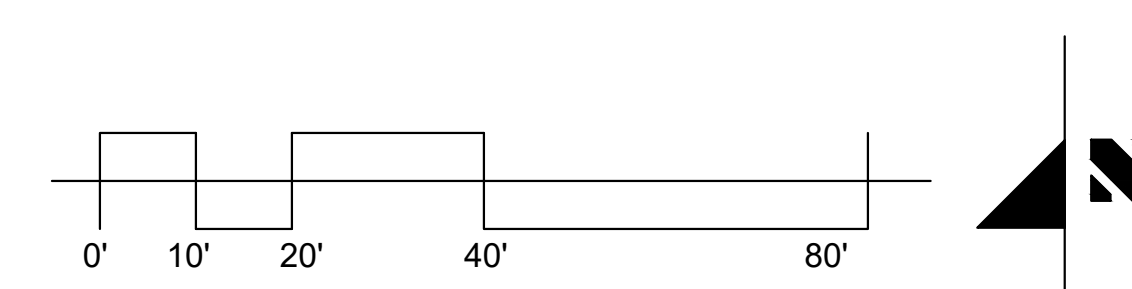
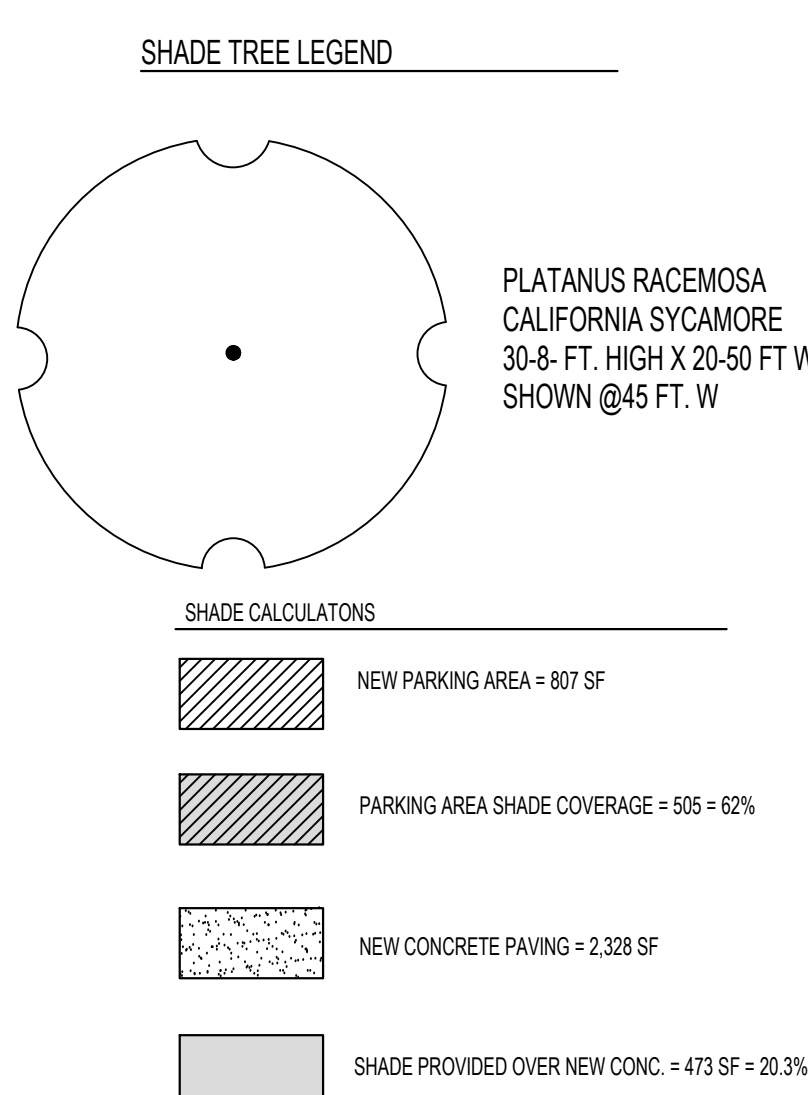
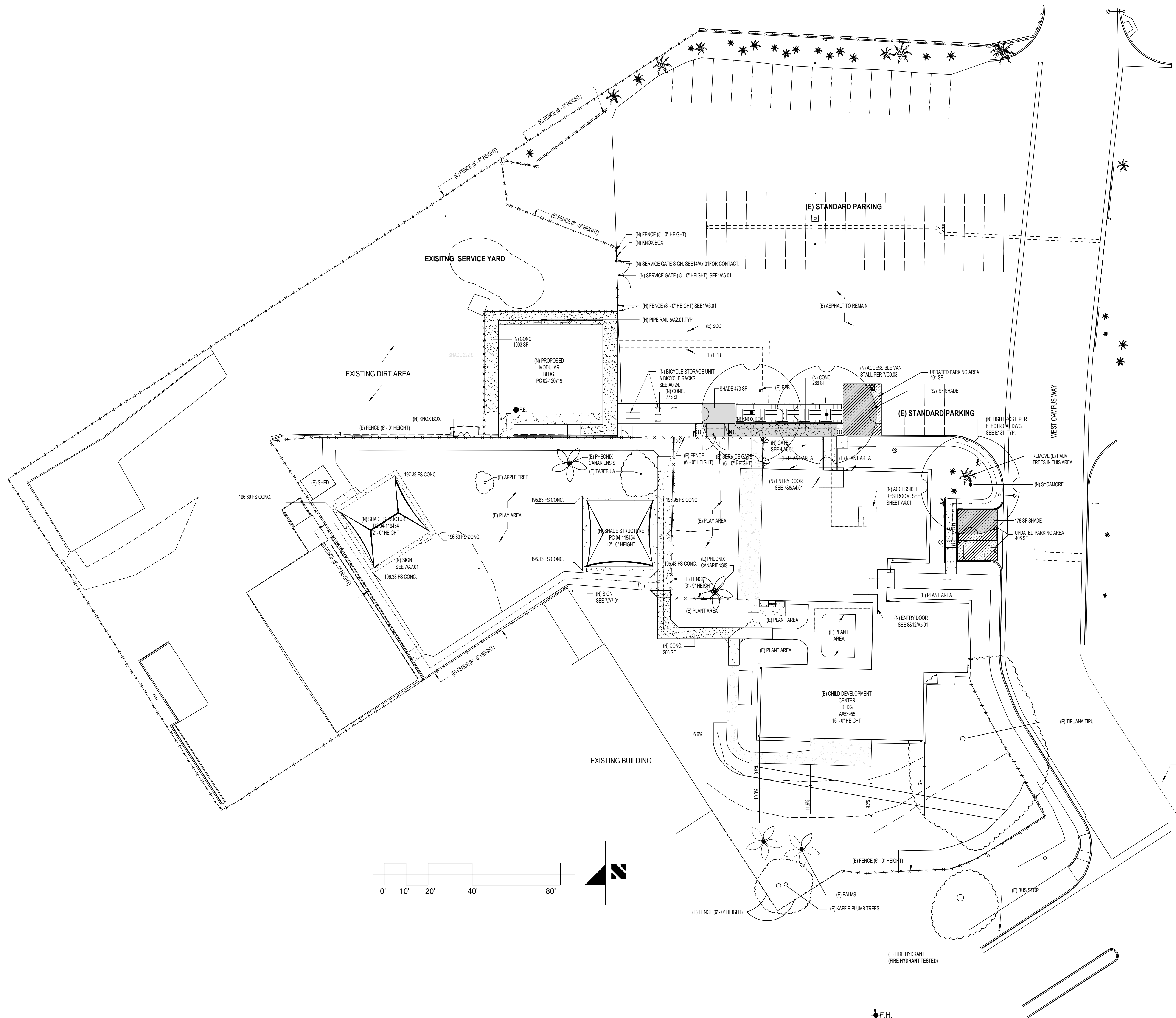
△
△
△
△
SHEET TITLE:

LANDSCAPE DETAILS

PROJECT NO.: 22-VCCCD-16 PROJECT ARCH: JA
DRAWN: Pj CHECKED: Checker
SHEET NUMBER:

L3.1

DATE: 11/29/2022 SHEET: ___ OF ___



1 SHADE CALCULATIONS
1" = 20'-0"

MWEL0 SUBMITTAL CHECKLIST PAGE 1

SUBMITTAL DATE: 1-27-23
 PROJECT ADDRESS: 4667 TELEGRAPH ROAD, VENTURA CA 93003
 WATER PURVEYOR: VENTURA WATER PHONE: (805) 667-6500

THE FOLLOWING CHECKLIST PROVIDES A LIST OF INFORMATION THAT MUST BE INCLUDED ON THE PLANS BEFORE YOUR PERMIT APPLICATION CAN BE PROCESSED. THIS CHECKLIST COVERS BOTH THE PERFORMANCE COMPLIANCE METHOD AND THE PRESCRIPTIVE COMPLIANCE METHOD. PLEASE INDICATE WHICH COMPLIANCE METHOD IS USED AND PROVIDE THE APPROPRIATE INFORMATION ON THE PLANS.

- PERFORMANCE APPROACH PRESCRIPTIVE APPROACH
 (SEE PRESCRIPTIVE COMPLIANCE OPTION - APPENDIX D)

PERFORMANCE APPROACH
 LANDSCAPE DOCUMENTATION PACKAGE (TITLE 23, CHAPTER 2.7, §492.3)

- THE PROJECT'S ADDRESS, TOTAL LANDSCAPE AREA, WATER SUPPLY TYPE, AND CONTACTS SHALL BE STATED ON THE PLANS.
 ADD, SIGN AND DATE THE FOLLOWING STATEMENT ON THE PLANS: "I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE."
 WATER EFFICIENT LANDSCAPE WORKSHEET THAT INCLUDES A HYDROZONE INFORMATION TABLE AND WATER BUDGET CALCULATIONS SHALL BE SUBMITTED FOR PLAN CHECK.
 NOT REQUIRED SINCE THE RENOVATED AREA IS LAWN PLAY FIELD WHICH ALLOWS FULL ET.

WATER EFFICIENT LANDSCAPE WORKSHEET (TITLE 23, CHAPTER 2.7, §492.4 AND §492.13)

- INCORPORATE THE WATER EFFICIENT LANDSCAPE WORKSHEET INTO PLANS. SHOW THAT THE MAXIMUM APPLIED WATER ALLOWANCE (MAWA) MEETS OR EXCEEDS THE CALCULATED ESTIMATED TOTAL WATER USE (ETWU).
 THE EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF) FOR THE LANDSCAPE PROJECT SHALL NOT EXCEED A FACTOR OF 0.65 FOR SCHOOLS.
 THE PLANT FACTOR USED SHALL BE FROM WUCOLS OR FROM HORTICULTURAL RESEARCHERS WITH ACADEMIC INSTITUTIONS. WUCOLS PLANTS DATABASE CAN BE FOUND ONLINE AT: <http://ucanr.edu/sites/WUCOLS/>
 ALL WATER FEATURES SHALL BE INCLUDED IN THE HIGH WATER USE HYDROZONE. ALL TEMPORARY IRRIGATED AREAS SHALL BE INCLUDED IN THE LOW WATER USE HYDROZONE NA.
 ALL SPECIAL LANDSCAPE AREAS SHALL BE IDENTIFIED ON THE PLANS. THE ETAF FOR NEW AND EXISTING (NON-REHABILITATED) SPECIAL LANDSCAPE AREAS SHALL NOT EXCEED 1.0.
 FOR THE PURPOSE OF CALCULATING ETWU, THE IRRIGATION EFFICIENCY IS ASSUMED TO BE 0.75 FOR OVERHEAD SPRAY DEVICES AND 0.81 FOR DRIP SYSTEM DEVICES.
 THE ANNUAL REFERENCE EVAPOTRANSPIRATION (ET^R) FOR VENTURA IS 43.5

MAXIMUM APPLIED WATER ALLOWANCE CALCULATIONS

MAWA = (ETo x 0.45 x Land. Area x 0.62)
 ETo = reference evapotranspiration of Ventura 43.5 (inches per year)
 0.65 = evapotranspiration adjustment factor (standard number)
 Land. Area. = total square feet of landscape area for the site
 0.62 = conversion factor (to gallons per square foot)

PROJECT SITE - MAWA = (43.5 x sla 1.0 x 5,517 x 0.62) = 148,783 G.P.Y.

ESTIMATED APPLIED WATER USE FORMULA

EAWU = (ETo) x (.62) (PF x Land. Area)
 IE
 ETo = reference evapotranspiration of Ventura of 43.5 "/yr.
 0.62 = conversion factor (to gallons per square foot)
 PF = plant factor from WUCOLS
 LA = landscaped area covered by sprinkler valve (sq. ft.)
 IE = irrigation efficiency (0.75 spray irrigation)

SLA add .35
 EWU = (43.5 x sla 1.0 x 5,517 x 0.62) = 148,783 G.P.Y.

WATER USE SUMMARY FOR PROJECT SITE

REHABILITATED LANDSCAPE AREA IS A LAWN PLAY FIELD WHICH IS A SPECIAL LANDSCAPE AREA ALLOWING FULL ET FOR THE WATER CALCULATIONS. RENOVATION INCLUDES REVISION TO HEAD COVERAGE WHICH WILL ELIMINATE ANY OVERSPRAY.

MWEL0 SUBMITTAL CHECKLIST PAGE 2

IRRIGATION DESIGN PLAN (TITLE 23, CHAPTER 2.7, §492.7)

- THE IRRIGATION PLANS, AT A MINIMUM SHALL CONTAIN THE FOLLOWING:
 LOCATION AND SIZE OF WATER METER PROVIDING SERVICE TO THE LANDSCAPE AREA. (NA SINCE WATER SOURCE IS CONNECT TO CAMPUS WATER SUPPLY)
 A DEDICATED WATER SERVICE METER OR PRIVATE SUBMETER SHALL BE INSTALLED FOR ALL (NON-RESIDENTIAL IRRIGATED LANDSCAPES OF AT LEAST 1,000 SQ. FT.) (RESIDENTIAL IRRIGATED LANDSCAPE AREAS OF AT LEAST 5,000 SQ. FT.) (NA SEPARATE CAMPUS WATER SOURCE).
 LOCATION, TYPE, AND SIZE OF ALL COMPONENTS OF THE IRRIGATION SYSTEM, INCLUDING CONTROLLERS, MAIN AND LATERAL LINES, VALVES, SPRINKLER HEADS, MOISTURE SENSING DEVICES, RAIN SWITCHES, QUICK COUPLERS, PRESSURE REGULATORS, AND BACKFLOW PREVENTION DEVICES.
 STATIC WATER PRESSURE AT THE POINT OF CONNECTION THE PUBLIC WATER SUPPLY
 FLOW RATE (GALLONS PER MINUTE), APPLICATION RATE (INCHES PER HOUR), AND DESIGN OPERATING PRESSURE (PRESSURE PER SQUARE INCH) FOR EACH STATION.
 ADD NOTE TO PLANS: "PRESSURE REGULATING DEVICES ARE REQUIRED IF WATER PRESSURE IS BELOW OR EXCEEDS THE RECOMMENDED PRESSURE OF THE SPECIFIED IRRIGATION DEVICES." (NA) PRESSURE COMPENSATING VALVES AREA USED)
 MANUAL SHUT-OFF VALVES SHALL BE REQUIRED, AS CLOSE AS POSSIBLE TO THE POINT OF CONNECTION OF THE WATER SUPPLY, TO MINIMIZE WATER LOSS IN CASE OF AN EMERGENCY OR ROUTINE REPAIR.
 ADD NOTE TO PLANS: "CHECK VALVES OR ANTI-DRAIN VALVES ARE REQUIRED ON ALL SPRINKLER HEADS WHERE LOW POINT DRAINAGE COULD OCCUR." (NA) HEADS HAVE FLOW STOP BUILT IN)
 AREAS LESS THAN 10-FOOT IN WIDTH IN ANY DIRECTION SHALL BE IRRIGATED WITH SUBSURFACE OR DRIP IRRIGATION.
 OVERHEAD IRRIGATION SHALL NOT BE PERMITTED WITHIN 24-INCHES OF ANY NON-PERMEABLE SURFACE.

REQUIRED STATEMENTS AND CERTIFICATION (TITLE 23, CHAPTER 2.7, §492.6, §492.7, AND §492.9)

- ADD THE FOLLOWING STATEMENT ON THE LANDSCAPE AND IRRIGATION PLANS: "I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLANS."
 THE FINAL SET OF LANDSCAPE AND IRRIGATION PLANS SHALL BEAR THE SIGNATURE OF A LICENSED LANDSCAPE ARCHITECT.
 ADD NOTES TO PLANS: "A DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES (REQUIRED BY SPECS)."
 ADD NOTE TO PLANS: "A CERTIFICATE OF COMPLETION SHALL BE FILLED OUT AND CERTIFIED BY EITHER THE DESIGNER OF THE LANDSCAPE PLANS, IRRIGATION PLANS, OR THE LICENSED LANDSCAPE CONTRACTOR FOR THE PROJECT."

CERTIFICATION OF INSTALLATION ACCORDING TO THE APPROVED LANDSCAPE DOCUMENTS:

(TO BE COMPLETED AT PROJECT CLOSE-OUT)

I CERTIFY THAT BASED ON PERIODIC SITE OBSERVATIONS, THE WORK HAS BEEN COMPLETED IN ACCORDANCE WITH THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND THE APPROVED LANDSCAPE DOCUMENTS. ANY FIELD REVISIONS TO THESE PLANS ARE LISTED AND ATTACHED TO THIS FORM.

PROJECT: VENTURA COLLEGE CDC
 ADDRESS: 4667 TELEGRAPH ROAD, VENTURA CA 93003

PROFESSIONAL PERFORMING SITE INSPECTIONS:
 COMPANY: JORDAN, GILBERT & BAIN, LANDSCAPE ARCHITECTS, INC.
 ADDRESS: 459 NO. VENTURA AVE, VENTURA, CA 93001
 PHONE NUMBER: (805) 642-3641
 EMAIL: PAUL@JORDAN-GILBERT.COM
 NAME: PAUL JORDAN
 TITLE: LANDSCAPE ARCHITECT LICENSE NO. 1443
 SIGNATURE _____ DATE _____
 (TO BE SIGNED WHEN PROJECT IS COMPLETE AND APPROVED)

MWEL0 SUBMITTAL CHECKLIST PAGE 3

LANDSCAPE DESIGN PLAN (TITLE 23, CHAPTER 2.7, §492.6)
 THE LANDSCAPE DESIGN PLANS, AT A MINIMUM, SHALL:

- (NA) DELINEATE AND LABEL EACH HYDROZONE BY NUMBER, LETTER, OR OTHER METHODS.
 (NA) IDENTIFY EACH HYDROZONE AS LOW, MODERATE, HIGH WATER, OR MIXED WATER USE.
 IDENTIFY RECREATIONAL AREAS, AREAS SOLELY DEDICATED TO EDIBLE PLANTS, AREAS IRRIGATED WITH RECYCLED WATER, TYPE AND SURFACE AREA OF WATER FEATURES, IMPERMEABLE AND PERMEABLE HARDSCAPE, AND ANY INFILTRATION SYSTEMS.
 (NA) FOR HYDROZONE WITH A MIX OF BOTH LOW AND MODERATE WATER USE PLANTS OR BOTH MODERATE AND HIGH WATER USE PLANTS, THE HIGHER PLANT FACTOR OR THE PLANT FACTOR BASED ON THE PROPORTIONS OF THE RESPECTIVE PLANT WATER USES SHALL BE USED. HYDROZONES CONTAINING A MIX OF LOW AND HIGH WATER USE PLANTS IS NOT PERMITTED.
 TURF IS NOT ALLOWED ON SLOPES GREATER THAN 25% WHERE THE TOE OF THE SLOPE IS ADJACENT TO AN IMPERMEABLE HARDSCAPE
 (NA) ADD NOTE TO PLANS: "RECIRCULATING WATER SYSTEMS SHALL BE USED FOR WATER FEATURES"
 ADD NOTE TO PLANS: "A MINIMUM 3-INCH LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS, OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRAINDICATED."
 (NA) ADD NOTE TO PLANS: "FOR SOILS LESS THAN 6% ORGANIC MATTER IN THE TOP 6 INCHES OF SOIL, COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL."

I AGREE TO COMPLY WITH REQUIREMENTS OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE.

APPLICANT SIGNATURE Paul Jordan DATE 1-27-23

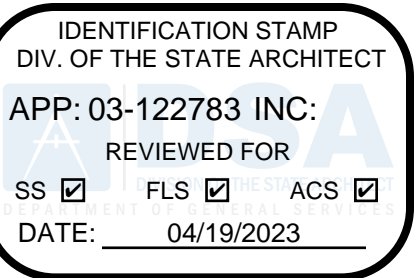
SEASONAL LANDSCAPE MAINTENANCE SCHEDULE

IRRIGATION SYSTEM

- CLEAN AND FLUSH ALL DRIP FILTERS ONCE (1) EVERY (2) MONTHS.
- FLUSH PVC DRIP LATERAL PIPING A MINIMUM OF TWICE A YEAR.
- ROTATE ALL BALL VALVE HANDLES A MINIMUM OF (4) TIMES PER YEAR.
- VERIFY CONTROLLER SCHEDULE IS OPERATIONAL EVERY MONTH
- INSPECT POP-UP HEADS FOR PROPER COVERAGE (2) TWICE A MONTH
- VERIFY THAT ALL VALVES ARE OPERATIONAL WEEKLY.

PLANTING

- CHECK FOR DRY AND/OR OVER WATER SPOTS EVERY TWO WEEKS
- CHECK FOR ANY PRUNING REQUIREMENTS EVERY MONTH.
- CHECK FOR GOPHER AND OR MOLE DAMAGE WEEKLY.
- CHECK FOR INSECT DAMAGE WEEKLY.
- CHECK FOR ANY PLANT FUNGUS AND OR DISEASE WEEKLY.
- INSPECT SITE FOR WEEDS AND DEBRIS WEEKLY.
- CHECK PLANT MATERIALS FOR FERTILIZER DEFICIENCY (4) TIMES A YEAR.
- CHECK TREES STAKES AND GUYS (4) TIMES A YEAR.



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 761 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
 VENTURA, CA. 93003

COMMISSIONED ARCHITECT

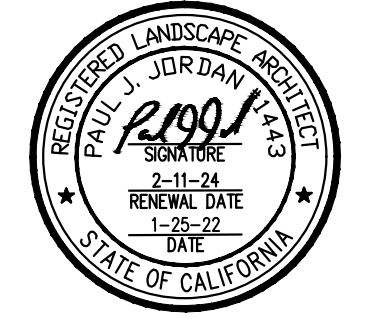


28328 AGOURA RD. 203 | AGOURA HILLS CA 91001 | 805-658-4334

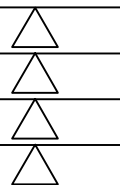
CONSULTANT

JORDAN, GILBERT & BAIN
 LANDSCAPE ARCHITECTS, INC.
 459 NORTH VENTURA AVE., VENTURA CA 93001
 (805) 642-3641 FAX (805) 653-7874
 Jordan, Gilbert & Bain Landscape Architects, Inc. © 2019

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023



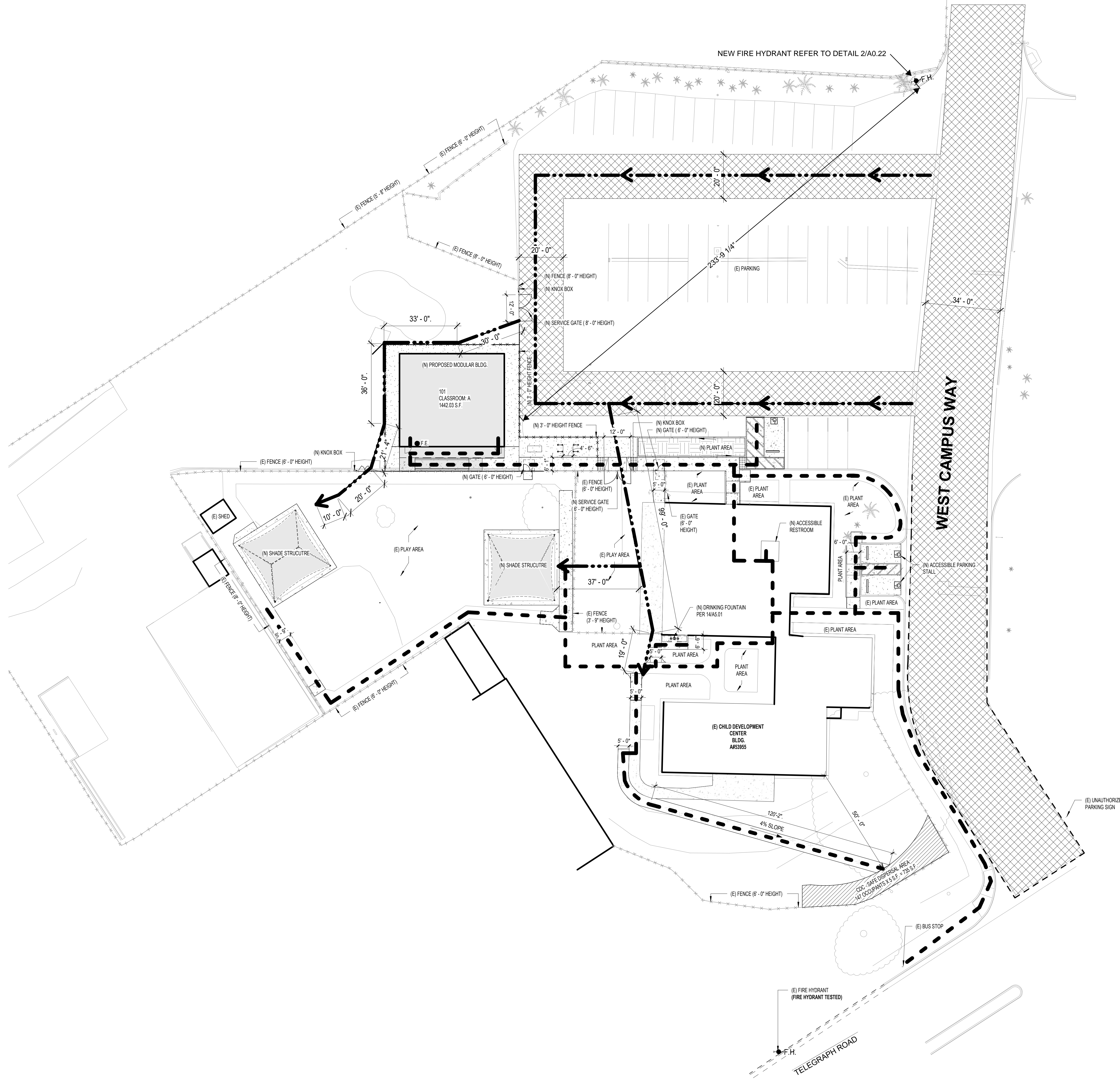
SHEET TITLE:

MWEL0 WORKSHEET

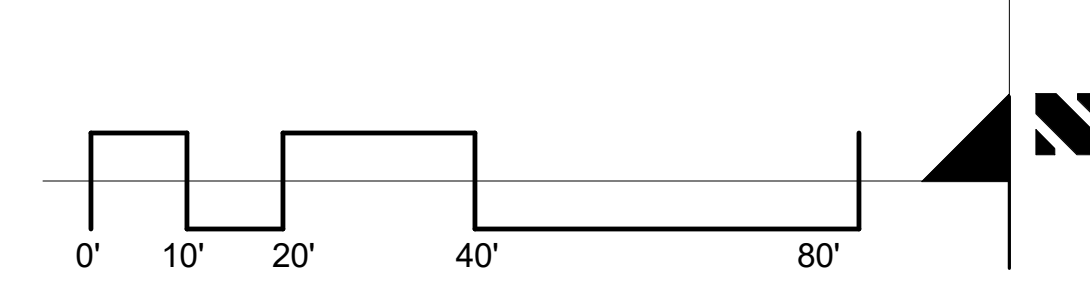
PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
 DRAWN: PJ CHECKED: Checker

SHEET NUMBER: L3.3

DATE: 11/29/2022 SHEET: ___ OF ___



1 SITE PLAN - FIRE PROTECTION LOCAL AUTHORITY
1" = 20'-0"



810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.
To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new buildings, additions to existing buildings, and for site alternate design means for the department emergency vehicle access, and fire suppression water supply.
Information associated with compliance items 1 through 3 below is to be provided for all projects indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgment by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.
The Project Information and Fire & Life Safety Information sections are to be completed for all projects and signed onto the fire access site plan. When an alternate design is proposed, all sections on pages 1 and 2 are to be completed and signed on the fire access site plan.
For additional information refer to the Instructions at the end of this form and DSA Policy PL 08-01: Fire Flow for Buildings.

PROJECT INFORMATION

School District/Owner: VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 Project Name/Address: VENTURA COLLEGE, CDC-INSTALLATION 1 PC-MODULAR & PC SHADE STRUCTURES
 Project Address: 4667 TELEGRAPH ROAD VENTURA, CA 93003

FIRE & LIFE SAFETY INFORMATION

1. Has a fire hydrant flow test been performed within the past 12 months? Yes (F) No (N)
 (If yes, provide a copy of the test data.)

2. Has the fire hydrant water flow test performed as part of the LFA review? Yes (F) No (N)

3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal Fire? (If yes, indicate FHSZ classification below.)
 Moderate (M) High (H) Very High (V)

Refer to the following website for FHSZ locations: <http://cal.fire.ca.gov/FHSZ/>

Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CDC Chapter 1A.)
 WIFA ()

DSR DSA 113 (Revised 10/2020) DEPARTMENT OF GENERAL SERVICES Page 1 of 4
 DIVISION OF THE STATE ARCHITECT STATE OF CALIFORNIA

2 810 DSA DOCUMENT

10/14/2022 City Of Ventura Water Loss Meter

FOR CODE:

Fire Flow

Respondor: Jacob Coffman
 Station Pressure: 100
 Line Reading: 100
 Differential Pressure: 100

Flow at Head: 20.99884
 Outlet Pressure (PSI): 302.88335
 Modulus of Pressure Loss: 901
 TOTAL GALLONS: 1,209,182
 Fire Flow: 95

CC: Fire Customer Service Water Loss Meter

3 FIRE FLOW TEST

FIRE DEPARTMENT GENERAL NOTE

1. PORTABLE FIRE EXTINGUISHER SHALL BE PROVIDED. TRAVEL DISTANCE TO ANY EXTINGUISHER SHALL NOT EXCEED 75 FEET FROM ANY PORTION OF THE BUILDING. EXTINGUISHER (S) SHALL BE HUNG NO HIGHER THAN 44 INCHES MEASURED FROM THE FLOOR TO THE TOP OF THE EXTINGUISHER. SHALL NOT CONTAIN CFCS OR HALONS.

LEGEND

- PATH OF TRAVEL
- BUILDING LINE
- (N) ASPHALT PAVING
- OVERHANG
- (N) TRUNCATED DOMES
- F.H. FIRE HYDRANT
- (N) CONCRETE SIDEWALK
- (NEW) 8'-0" FENCE/GATE
- EXISTING FENCE/GATE
- AREA OF WORK
- F.E. FIRE EXTINGUISHER
- FIRE LANE
- DISPERSAL AREA
- ←... FIRE ACCESS
- ←... VEHICULAR FIRE ACCESS
- (N) DECOMPOSED GRANITE WALK PATH

810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION	ACCEPTED	ALTERNATE ACCEPTED
4. Emergency vehicle access roadways do not meet CFC requirements.	Yes (F) No (N)	Yes (F) No (N)
5. Fire Hydrants: Number and spacing does not meet CFC requirements.	Yes (F) No (N)	Yes (F) No (N)
6. Fire Hydrants: Number of fire hydrants and spacing as proposed by the project architect is acceptable for the suppression and protection of life and property.	Yes (F) No (N)	Yes (F) No (N)
7. Fire Hydrants: Water flow and pressure are less than CFC minimum.	Yes (F) No (N)	Yes (F) No (N)
8. Fire Hydrants: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.	Yes (F) No (N)	Yes (F) No (N)
9. Location of the department connection serving the fire hydrant system is acceptable for providing fire suppression and protection of life and property.	Yes (F) No (N)	Yes (F) No (N)

School District Acceptance of Acceptable Design Alternatives

I, _____, agree to this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated in items 4, 5, 6, 7, 8, or 9, for providing fire and life safety protection of life and property.

Accepted by: _____ Title: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION

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

DSR DSA 113 (Revised 10/2020) DEPARTMENT OF GENERAL SERVICES Page 1 of 4
 DIVISION OF THE STATE ARCHITECT STATE OF CALIFORNIA

Hydrant Flow Calculations

Flow @ 20 PSI

Flow At 20psi	6,228.83 GPM
Flow During Test	1,805.71 GPM
Static Pressure	103.00 PSI
Residual Pressure	103.00 PSI
Desired Pressure for Flow	20.00 PSI

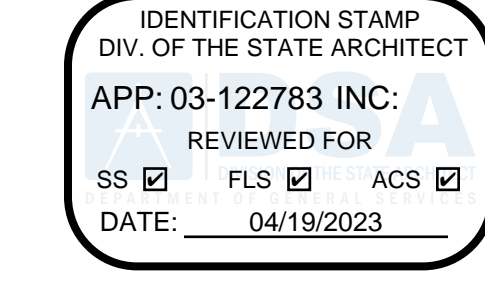
To use "Observed Flow" value from Pitot tube below, leave "Flow during Test" empty.

Observed Flow From Pitot PSI

Observed Flow	1,453.17 GPM
Outlet Coefficient	0.91
Outlet Size (inches)	2.50 inches
Pitot Size	3/8 inch

Outlet Coefficients:
 (Typical) 0.90: Smooth and Rounded
 0.80: Square and Sharp
 0.70: Square and Projecting

DIVISION OF THE STATE ARCHITECT



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 761 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC-MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
 VENTURA, CA. 93003

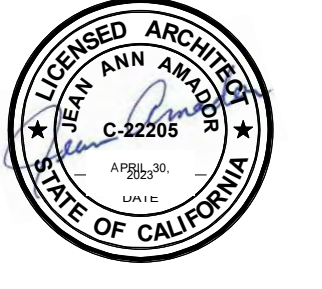
COMMISSIONED ARCHITECT

AMADOR

26328 AGOURA RD. 201 | AGOURA HILLS CA, 91301 | 805-658-4334

CONSULTANT

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

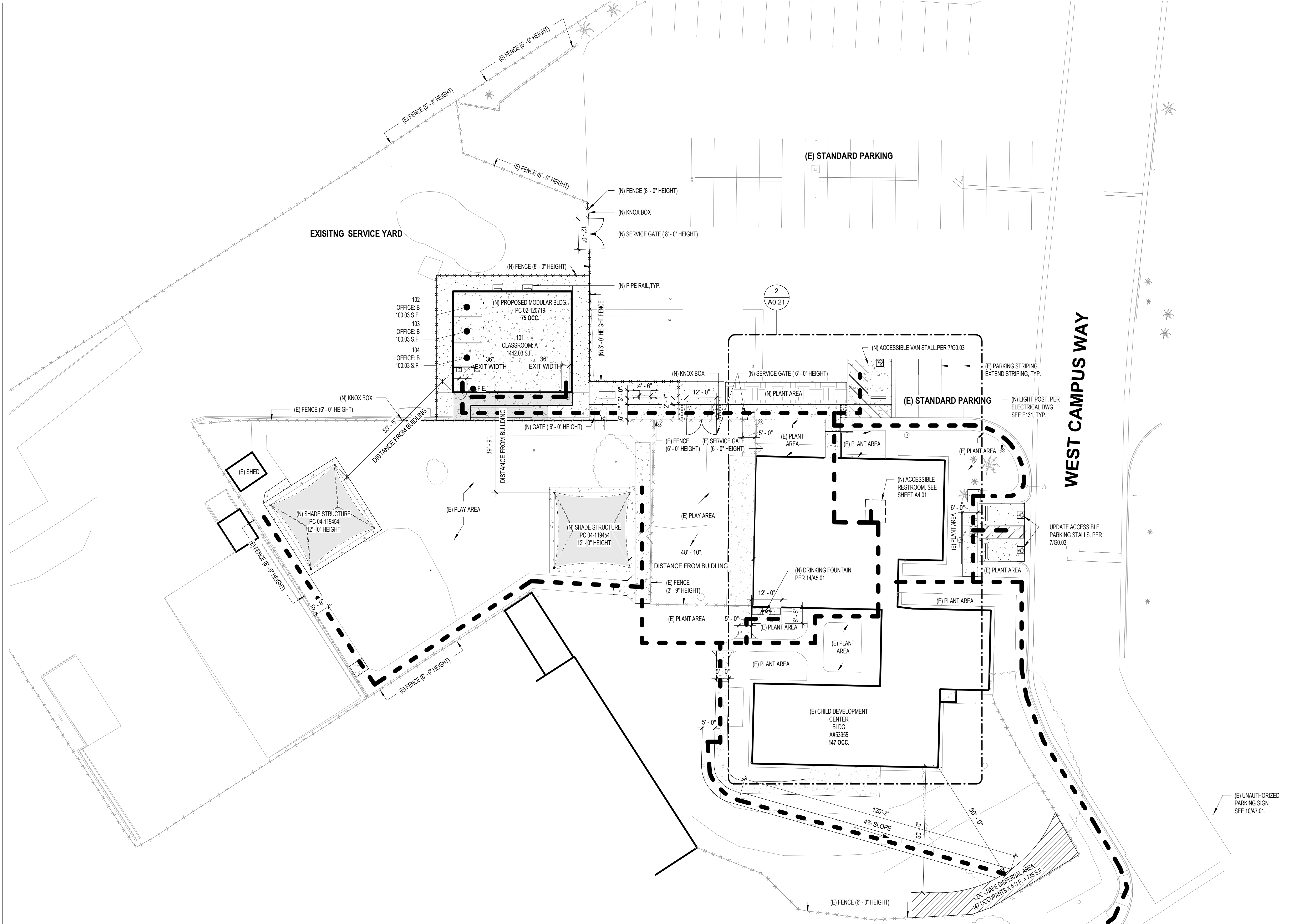
SHEET TITLE:

LOCAL FIRE AUTHORITY SITE PLAN

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
 DRAWN: MC CHECKED: JA
 SHEET NUMBER:

FP0.01

DATE: 11/29/2022 SHEET: OF



CODE ANALYSIS

EXISTING CHILD DEVELOPMENT CENTER A# 03-53955

(CONSTRUCTED PER 1988 UBC)
 OCCUPANCY GROUP: E DIV. 3
 CONSTRUCTION TYPE: V-N
 NUMBER OF STORIES: 1
 BUILDING HEIGHTS: 16 FEET (40 FEET MAX. ALLOWED PER UBC 1988 TABLE 5-D)
 BUILDING AREA: ENCLOSED AREA 7,782.25 SF
 COVERED WALKS 475.25 SF
 TOTAL: 8,257.50 SF
 FIRE SPRINKLERS: NONE
 OCCUPANT LOAD: 147 OCC.
PROPOSED MODULAR CLASSROOM
 (CONSTRUCTED PER 2019 CBC)
 OCCUPANCY GROUP: E (CLASSROOM USE FOR COLLEGE)
 CONSTRUCTION TYPE: V-B
 NUMBER OF STORIES: 1
 BUILDING HEIGHTS: 13.5 FEET
 BUILDING AREA: 1,903 SF
 FIRE SPRINKLERS: NONE
 OCCUPANT LOAD FACTOR (1004.5) ONE MODULAR BUILDING + (20 NET - ONE CLASSROOM USED FOR TABLES AND CHAIRS) + (150 GROSS - 3 OFFICES)
 OCCUPANT LOAD 142.03 S.F. / 20 S.F. PER OCCUPANT = 72 OCCUPANTS (CLASSROOM AREA 101)
 100.03 S.F. / 150 S.F. PER OCCUPANT = 1 OCCUPANT (OFFICE 102, 103, 104)

EXITING CALCULATIONS MODULAR BUILDING

RM #	USE OF ROOM	FLOOR AREA	OCCUPANT FACTOR	# OF OCCUPANTS	# OF EXITS REQ'D
101	CLASSROOM	1442.03 S.F.	20	72	2
102	OFFICE	100.03 S.F.	150	1	1
103	OFFICE	100.03 S.F.	150	1	1
104	OFFICE	100.03 S.F.	150	1	1
Grand total					75

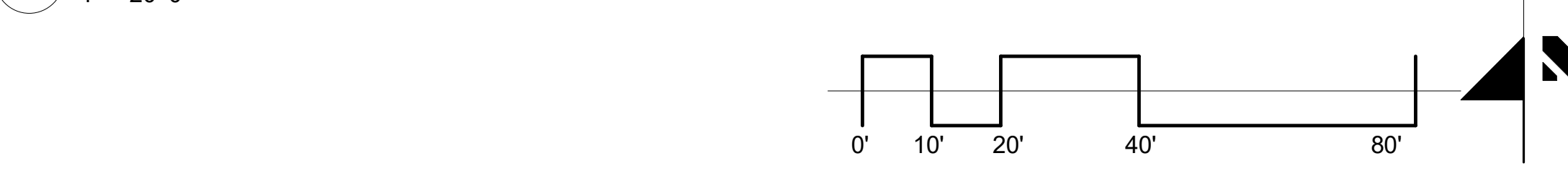
CBC SECTION 1005.3.2 OTHER EGRESS COMPONENTS
 OCCUPANT LOAD X 0.2 INCHES PER OCCUPANT =
 CLASSROOM 101: 72 OCC. X 0.2" = 14.4" REQUIRED (36" PROVIDED)
 OFFICE 102: 1 OCC. X 0.2" = 0.2" REQUIRED (36" PROVIDED)
 OFFICE 103: 1 OCC. X 0.2" = 0.2" REQUIRED (36" PROVIDED)
 OFFICE 104: 1 OCC. X 0.2" = 0.2" REQUIRED (36" PROVIDED)
CBC SECTION 1010.1.10 PANIC HARDWARE AND FIRE EXIT HARDWARE
 SWINGING DOORS SERVING ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE IN A GROUP "A" OR "E" OCCUPANCY ASSEMBLY ARE NOT CLASSIFIED AS AN ASSEMBLY OCCUPANCY. E, L2, OR L2.1 OCCUPANCIES SHALL NOT BE PROVIDED WITH A LATCH OR LOCK OTHER THAN PANIC HARDWARE OR FIRE EXIT HARDWARE.
CBC SECTION 1006.2.1
 COMMON PATH OF EGRESS TRAVEL DISTANCE
 OCCUPANCY: E-1 WITHOUT SPRINKLERS: 75 FEET
CBC SECTION 1017.2 EXIT ACCESS TRAVEL DISTANCE
 EXIT ACCESS TRAVEL DISTANCE
 OCCUPANCY: E-1 WITHOUT SPRINKLERS: 200 FEET
CBC SECTION 1028.5 ACCESS TO A PUBLIC WAY
 ACCESS PROVIDED TO PUBLIC WAY OF WEST CAMPUS WAY.

SHADE STRUCTURES - PC
 (CONSTRUCTED PER 2019 CBC)
 OCCUPANCY TYPE: A-3
 CONSTRUCTION TYPE: V-B
 ACTUAL BUILDING HEIGHT ABOVE GRADE: 14'-0" MAX.
 ALLOWABLE NUMBER OF STORIES ABOVE GRADE: (TABLE 504.4) 1 STORY
 ACTUAL NUMBER OF STORIES: 1 STORY COMPLIANT
 ALLOWABLE AREA FACTOR: (TABLE 506.2) 9,500 S.F.
 ACTUAL FLOOR AREA: (800 S.F. EACH) 800 S.F. COMPLIANT
 MAX. OCCUPANCY: 80
 OCCUPANT LOAD FACTOR: 35 S.F. PER OCCUPANT
 OCCUPANT LOAD: (800 S.F. / 35 S.F. = 26) 26 EACH SHADE STRUCTURE
 SHADE STRUCTURE HEIGHT: 12'-0"

LEGEND

- PATH OF TRAVEL
- BUILDING LINE
- OVERHANG
- (N) ASPHALT PAVING
- (N) TRUNCATED DOMES
- (N) CONCRETE SIDEWALK
- AREA OF WORK
- FIRE DEPARTMENT ACCESS
- F.E. FIRE EXTINGUISHER
- (N) DECOMPOSED GRANITE WALK PATH
- F.H. FIRE HYDRANT
- (NEW) 8'-0" FENCE/GATE
- EXISTING FENCE/GATE
- DISPERSAL AREA

1 SITE PLAN - EGRESS ANALYSIS



2 CDC - OCCUPANT LOAD ANALYSIS



DIVISION OF THE STATE ARCHITECT
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 761 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION
CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
 4667 TELEGRAPH RD.
 VENTURA, CA. 93003

COMMISSIONED ARCHITECT
AMADÒR

28328 AGOURA RD. 203 | AGOURA HILLS CA, 91501 | 805-698-4334
 CONSULTANT

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:
CODE & EGRESS ANALYSIS

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: Designer
 DRAWN: Author CHECKED: Checker
 SHEET NUMBER:

A0.21
 DATE: 11/29/2022 SHEET: OF



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 761 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC-MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
 VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADÒR

2828 AGUIRRA RD. | 2023 | AGUIRRA HILLS CA, 91301 | 805-698-4324

CONSULTANT

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

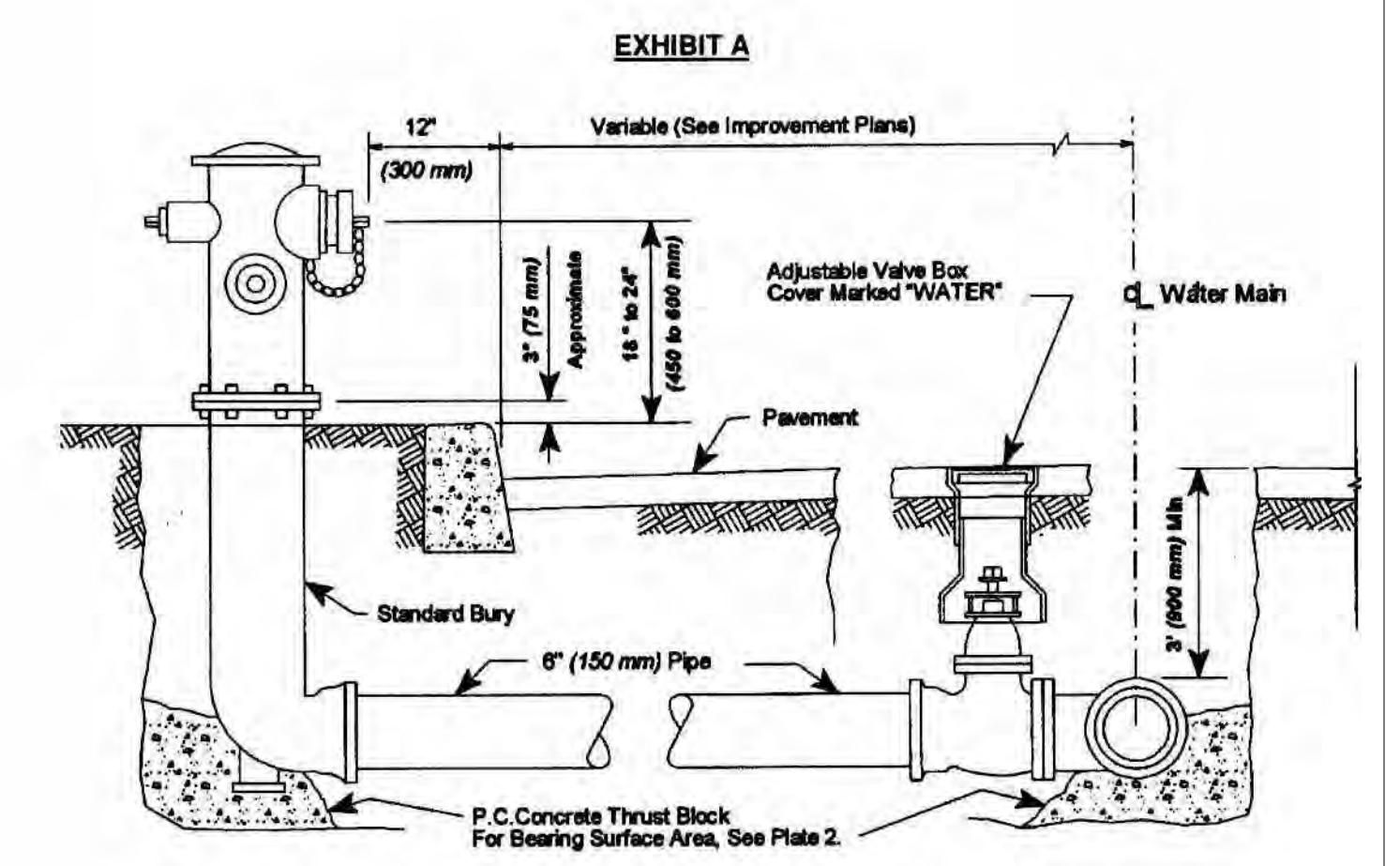
SHEET TITLE:

SITE PLAN

PROJECT NO: 22-VCCDD-16 PROJECT ARCH: JA
 DRAWN: MC CHECKED: Checker
 SHEET NUMBER: _____

A0.22

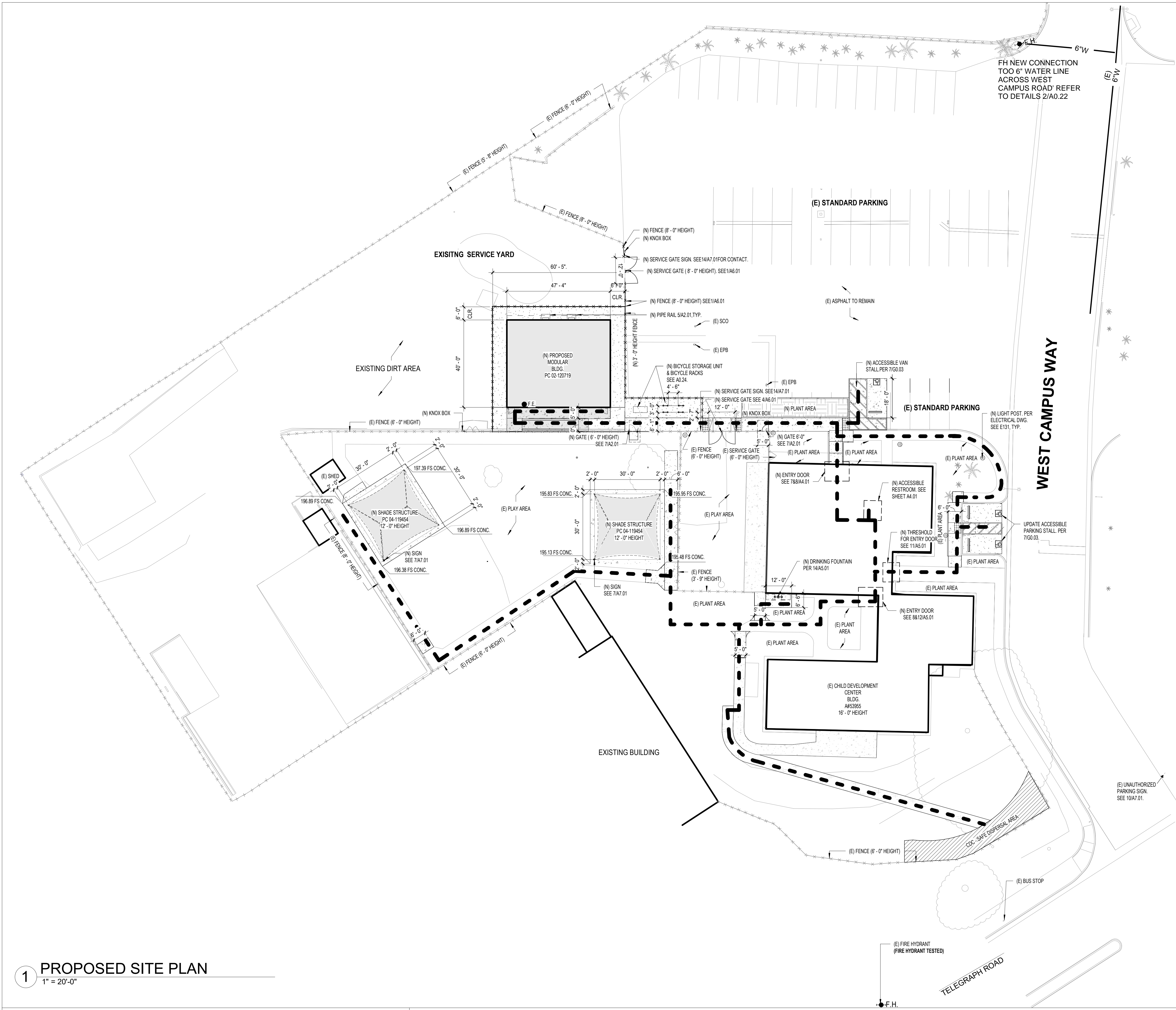
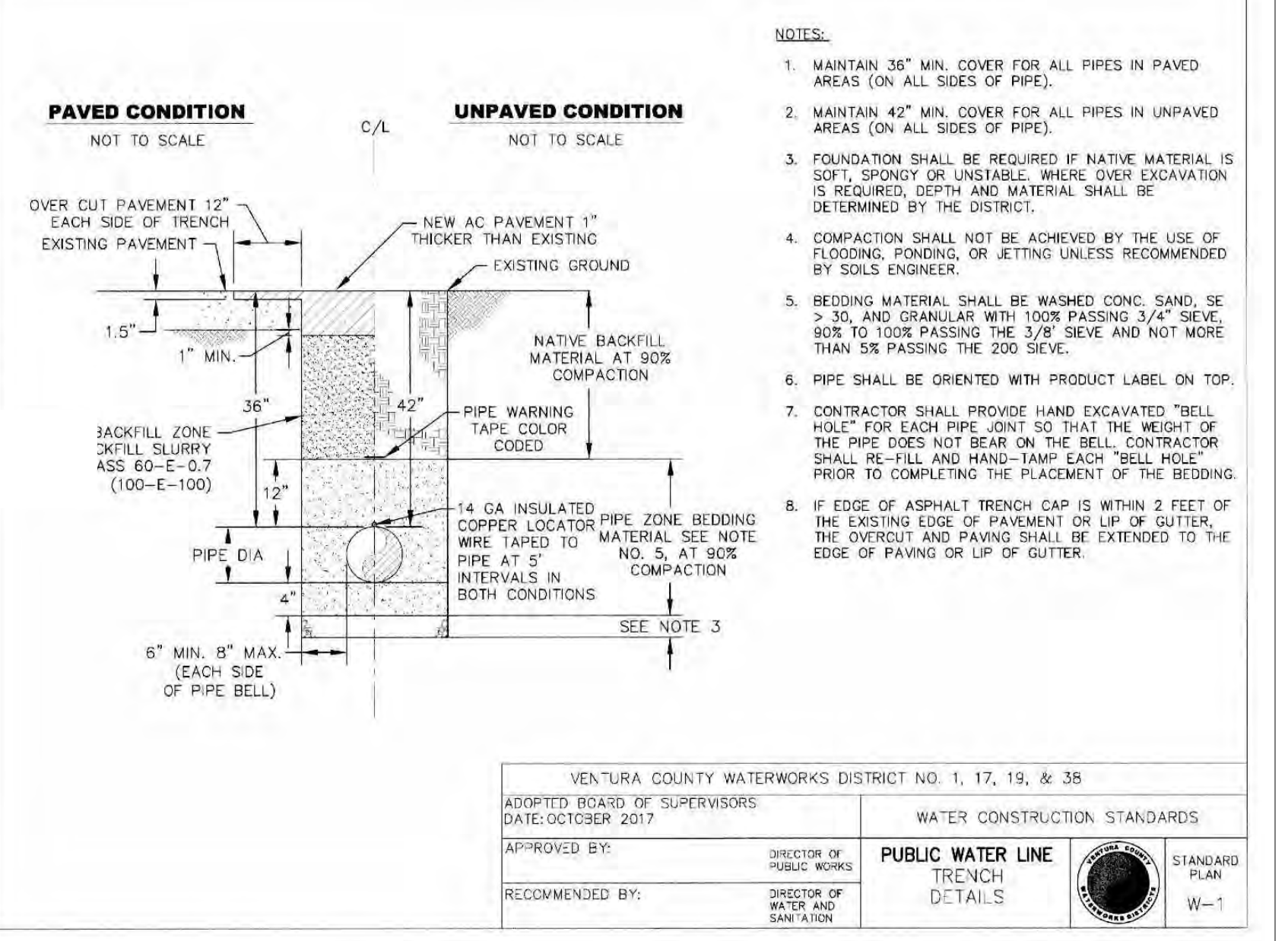
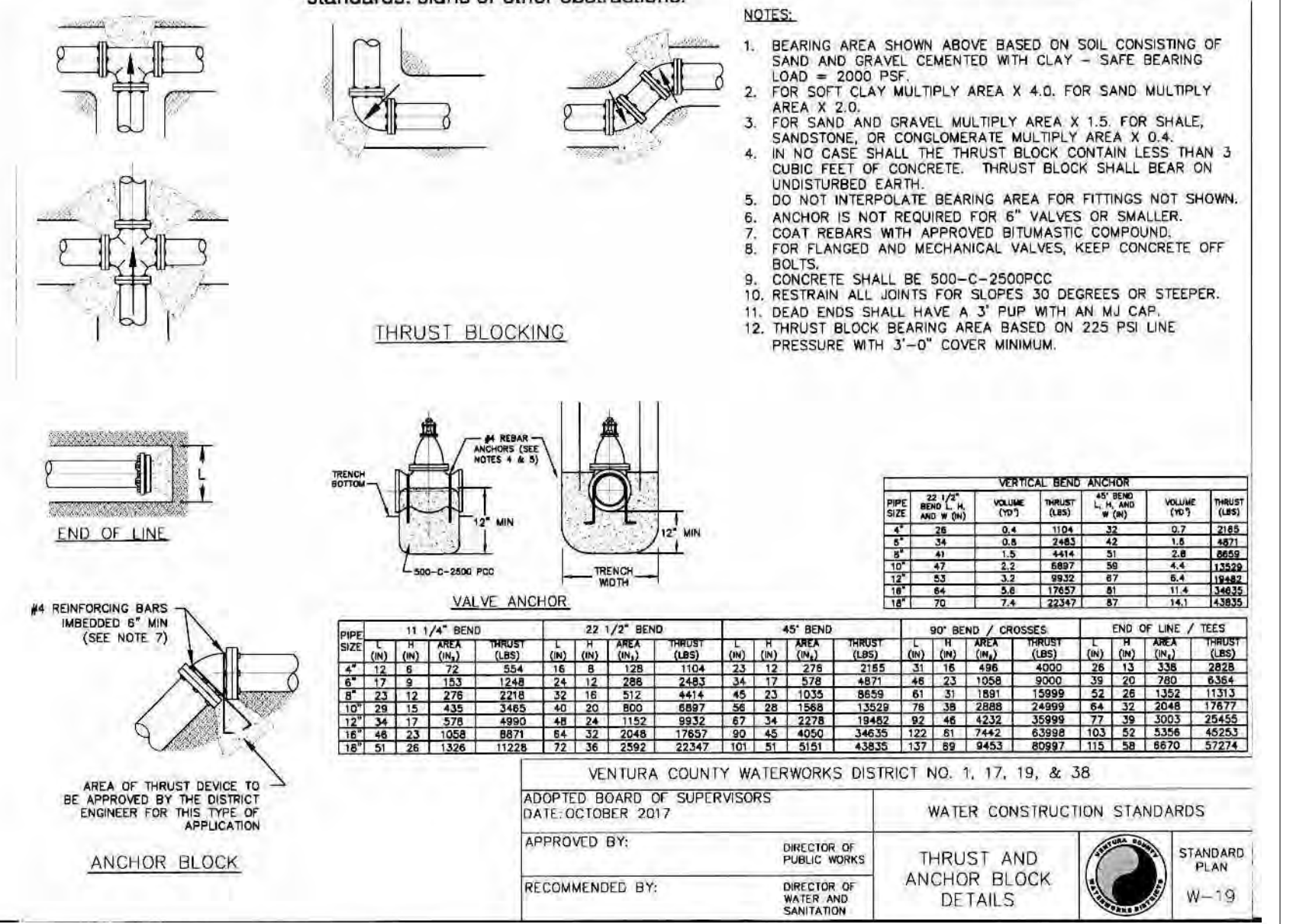
DATE: 11/29/2022 SHEET: _____ OF _____



Ref: Ventura County Water Works Manual

Notes

- All materials and installation shall conform to the applicable sections of the Ventura County Water Works Manual (VCWWM) or applicable City Water Works Manual.
- When installation is adjacent to roads without curbs, fire hydrants shall be located within the road right-of-way, three feet clear of the property line. An eight foot wide clear, level access to the fire hydrant across the roadside ditch shall be provided by the installation of a properly sized culvert and fill. A driveway adjacent to the fire hydrant may be used to provide the required access.
- Fire hydrants shall not be closer than three feet from driveways, street trees, lighting standards, signs or other obstructions.



1 PROPOSED SITE PLAN
 1" = 20'-0"

LEGEND

- F.H. FIRE HYDRANT
- BUILDING LINE
- OVERHANG
- PATH OF TRAVEL
- (N) ASPHALT PAVING
- (N) TRUNCATED DOMES
- (N) CONCRETE SIDEWALK
- AREA OF WORK
- (N) DECOMPOSED GRANITE WALK PATH

ROOM TAG

ROOM NO. ROOM NAME OCCUPANCY TYPE
 222 OFFICE: B 100 SF/100 = 1
 S.F. OF ROOM OCCUPANTS

(NEW) 8'-0" FENCE/GATE
 EXISTING FENCE/GATE
 F.E. FIRE EXTINGUISHER

PATH OF TRAVEL, TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTE

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

DESIGN PROFESSIONAL RESPONSIBLE CHARGE STATEMENT

THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTION OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARSHNESS ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

PARKING ANALYSIS

STANDARD STALLS	47
ACCESSIBLE STALLS REQUIRED	2
ACCESSIBLE VAN REQUIRED	1
TOTAL PARKING	50
ACCESSIBLE STALLS PROVIDED	2
ACCESSIBLE VAN PROVIDED	1

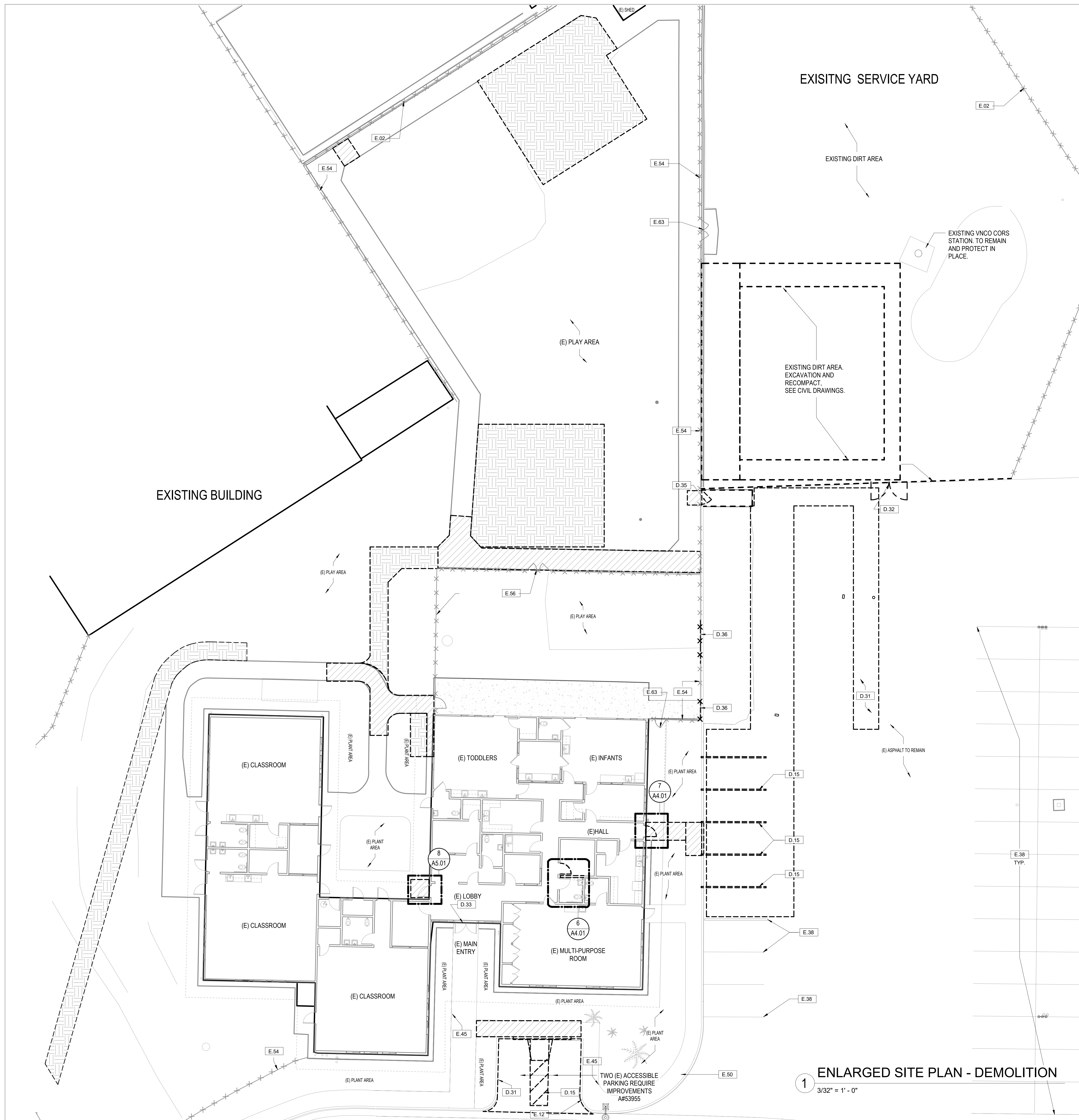
NOTE: NEW SHADE STRUCTURES (DSA AP03-122783) DOES NOT INCREASE THE OCCUPANT LOAD OF THE CAMPUS. THEREFORE, THE TOTAL NUMBER OF EXISTING PARKING STALLS MEETS CODE REQUIREMENTS, AND NO ADDITIONAL PARKING SPACES WILL BE REQUIRED.

GENERAL NOTES

- ALL ITEMS SHOWN ARE EXISTING UNLESS NOTED NEW.
- ALL FIRE ACCESS ROADS, ACCESS GATES, FIRE HYDRANTS AND FIRE FLOW ARE (E) TO REMAIN UNMODIFIED.
- FOR WALKWAYS, THE SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT EXCEED 1:20 GRADIENT (5.0%) AND CROSS SLOPE SHALL NOT EXCEED 1:50 GRADIENT (2.0%) WITH A MINIMUM WIDTH OF FORTY EIGHT INCHES (48"). CBC 11338.7.3 & 113387.1.3
- REFER TO CIVIL PLANS FOR NEW CONCRETE SIDEWALK AND ASPHALT PAVING GRADES.
- CONTRACTOR TO PROVIDE BICYCLE STORAGE UNIT AND BIKE RACKS.

DSA CERTIFICATION INFORMATION

1. (E) CHILD DEVELOPMENT CENTER BUILDING A# 03-53955 WAS CERTIFIED 08/28/1998



EXISTING SERVICE YARD

EXISTING DIRT AREA

EXISTING VNCO CORS STATION TO REMAIN AND PROTECT IN PLACE.

EXISTING DIRT AREA. EXCAVATION AND RECOMPACT, SEE CIVIL DRAWINGS.

EXISTING BUILDING

(E) CLASSROOM

(E) TODDLERS

(E) INFANTS

(E) HALL

(E) LOBBY

(E) MULTI-PURPOSE ROOM

(E) CLASSROOM

(E) CLASSROOM

(E) MAIN ENTRY

TWO (E) ACCESSIBLE PARKING REQUIRE IMPROVEMENTS A#53955

1 ENLARGED SITE PLAN - DEMOLITION

3/32" = 1' - 0"

GENERAL NOTES - SITE DEMOLITION

- EXECUTE ALL DEMOLITION REQUIRED FOR COMPLETION OF THE WORK.
- KEEP SITE AND ADJACENT AREAS CLEAN AND UNOBSTRUCTED. COORDINATE WITH THE VCCCD PROJECT MANAGER.
- REMOVE OR RELOCATE EXISTING POWER, DATA, IRRIGATION, PLUMBING AND OTHER UTILITIES AS REQUIRED TO ACCOMMODATE THE NEW IMPROVEMENTS.
- NO DEMOLITION SHALL BEGIN UNTIL PLANS AND DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

DEMOLITION KEYNOTES #

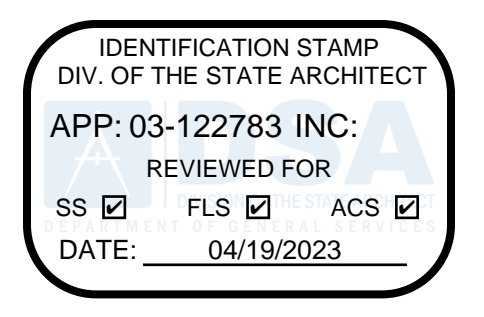
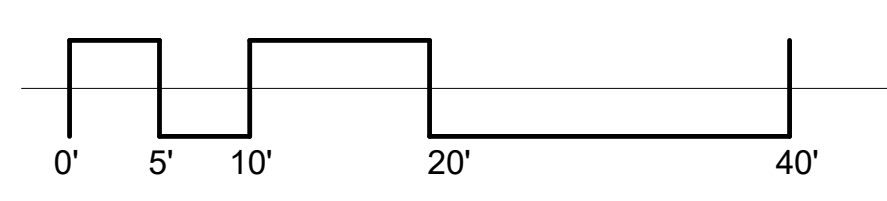
- D.31 DEMOLISH (E) ASPHALT. SEE CIVIL C1.50.
- D.32 REMOVE AND RELOCATE (E) 8'-0" HEIGHT SERVICE GATE.
- D.33 REMOVE AND REPLACE (E) THRESHOLD WITH NEW.
- D.35 REMOVE (E) 6 FT. HEIGHT CHAIN-LINK GATE.
- D.36 REMOVE (E) CHAIN-LINK FENCE.

EXISTING KEYNOTES #

- E.12 (E) CONCRETE CURB TO REMAIN AND PROTECT IN PLACE.
- E.38 (E) STANDARD PARKING & PAINTED STRIPING TO REMAIN.
- E.45 (E) CONCRETE WALKWAY TO REMAIN AND PROTECT IN PLACE.
- E.50 (E) CONCRETE SIDEWALK TO REMAIN AND PROTECT IN PLACE.
- E.54 (E) 6'-0" HEIGHT CHAIN-LINK FENCE TO REMAIN AND PROTECT IN PLACE.
- E.63 (E) 6'-0" HEIGHT GATE TO REMAIN AND PROTECT IN PLACE.

LEGEND

- SCD SEWER CLEAN OUT
- EPB ELECTRICAL PULL BOX
- (E) LIGHT POLES
- (E) LIGHT POLES
- TO BE DEMOLISHED
- EXISTING LANDSCAPING TO BE REMOVED
- EXISTING CONCRETE TO BE REMOVED
- (NEW) 8' - 0" FENCE/GATE
- EXISTING FENCE/GATE



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADÒR

2828 AGUIRA RD. 203 | AGUIRA HILLS CA, 91301 | 818-698-4334

CONSULTANT

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

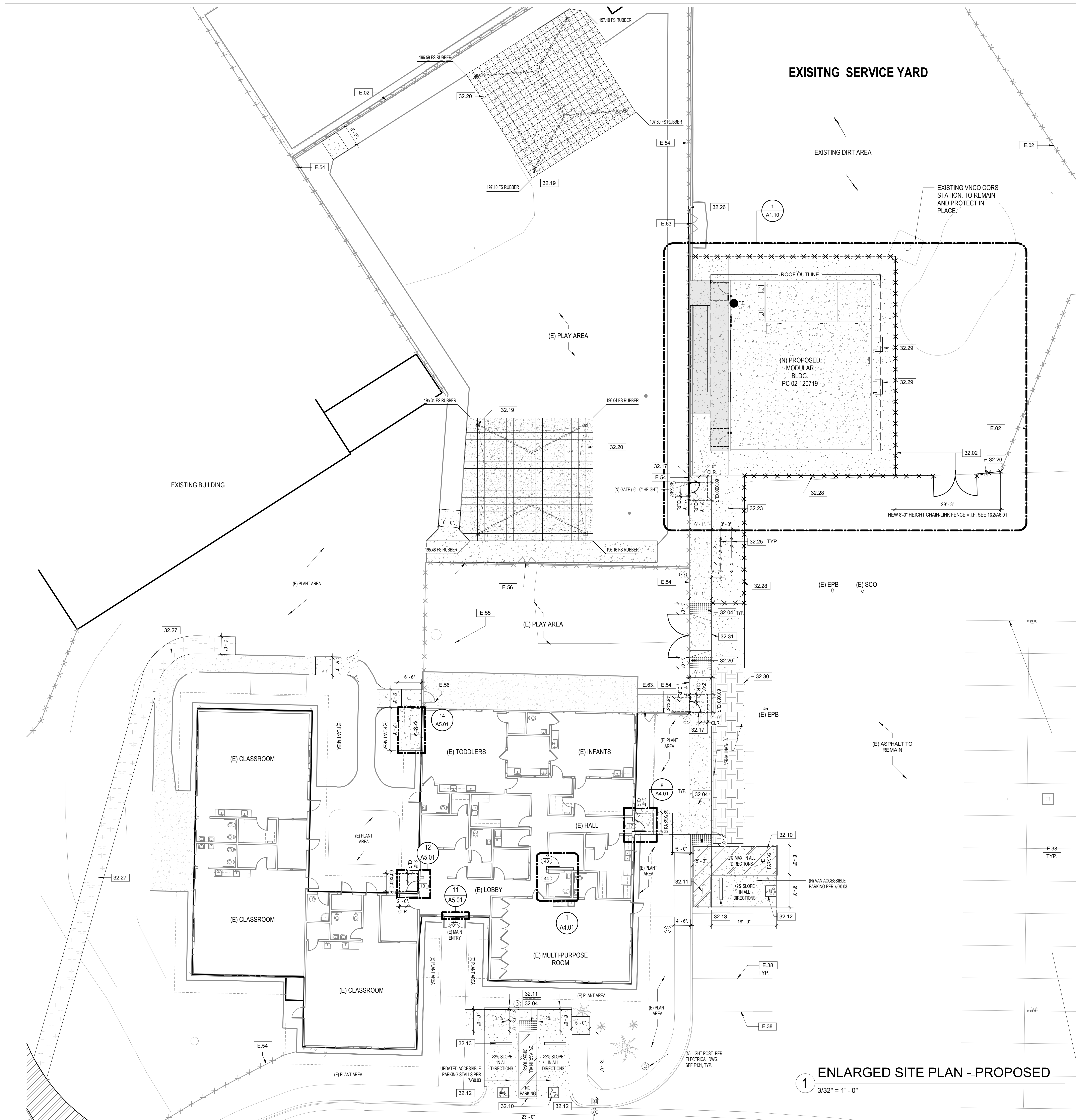
SHEET TITLE:

ENLARGED SITE PLAN-DEMOLITION

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
DRAWN: MC CHECKED: JA
SHEET NUMBER:

A0.23

DATE: 11/29/2022 SHEET: OF



EXISTING SERVICE YARD

GENERAL NOTES

1. ALL ITEMS SHOWN ARE EXISTING UNLESS NOTED NEW.
2. ALL FIRE ACCESS ROADS, ACCESS GATES, FIRE HYDRANTS AND FIRE FLOW ARE (E) TO REMAIN UNMODIFIED.
3. FOR WALKWAYS, THE SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT EXCEED 1:20 GRDIENT(5.0%) AND CROSS SLOPE SHALL NOT EXCEED 1:50 GRDIENT (2.0%) WITH A MINIMUM WIDTH OF FORTY EIGHT INCHES (48"). CBC 1133B.7.3 & 1133B7.1.3
4. REFER TO CIVIL PLANS FOR NEW CONCRETE SIDEWALK AND ASPHALT PAVING GRADES.
5. CONTRACTOR TO PROVIDE BICYCLE STORAGE UNIT AND BIKE RACKS.

KEYNOTES

- | | |
|-------|---|
| 32.02 | (N)8'-0" HEIGHT CHAIN LINK SERVICE GATE. SEE 1/A6.01 |
| 32.04 | (N)DETECTABLE WARNING SURFACE-TRUNCATED DOMES. SEE 2/A5.01 |
| 32.10 | (N)PAINTED 4" WIDE BLUE BORDELINE AND DIAGONAL LINES AT 36" O.C., DOUBLE COAT. SEE 7/G0.03. |
| 32.11 | (N)ACCESSIBLE PARKING STALL SIGN AND POST. SEE 2 & 4/G0.02 |
| 32.12 | (N)S.A. PARKING STALL PAINTED SYMBOL, DOUBLE COAT, SEE 3/G0.02 |
| 32.13 | (N)CONCRETE WHEEL STOP PER ACCESSIBLE PARKING STALL. SEE 9/G0.03 |
| 32.17 | (N)6'-0" HEIGHT CHAIN LINK GATE. SEE 7/A2.01 |
| 32.19 | (N)USA SHADE STRUCTURE, FABRIC COLOR DESERT SAND, POWDER COAT COLOR FOREST GREEN 115618FRG |
| 32.20 | (N)ENCORE PLAYGUARD TILE, 2.5" THICKNESS, COLOR CARAMEL CORN 2 - PG66A. SEE DETAIL C/C2.00 |
| 32.23 | (N)BICYCLE STORAGE UNIT.ECOPARK STANDARD MODEL.TWO DOOR. SANDSTONE.RAL 1019. T-HANDLE.KEYED. |
| 32.25 | (N)BICYCLE U RACK W/ CROSS BAR MODEL. STANDAR.BLACK PLASTISOL. SURFACE MOUNT. |
| 32.26 | (N)KNOX BOX 3200 MODEL NO.3261. SURFACE MOUNTED.BLACK;NONE-TAMPER SWITCH. |
| 32.27 | (N)5 FOOT WIDE DECOMPSED GRANITE PATH, REFER TO LANDSCAPE DRAWINGS. 4% SLOPE; 1 1/2% CROSS SLOPE. |
| 32.28 | (N)3'-0" HEIGHT CHAIN LINK GATE. SEE 9/A6.01 |
| 32.29 | (N)PIPE RAIL. SEE 5/A2.01 |
| 32.30 | (N)6" CURB. SEE C1.00 AND 2/L3.1 |
| 32.31 | (N)DRIVEWAY FOR FIRE DEPARTMENT TO ACCESS SERVICE GATE. |

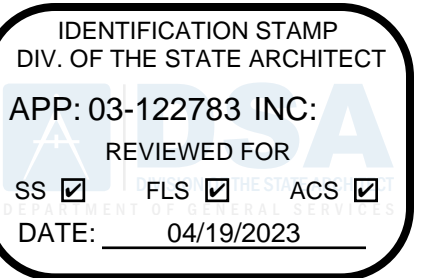
EXISTING KEYNOTES

- | | |
|------|---|
| E.02 | (E) 8'-0" HEIGHT CHAIN-LINK FENCE TO REMAIN AND PROTECT IN PLACE. |
| E.38 | (E) STANDARD PARKING & PAINTED STRIPING TO REMAIN. |
| E.54 | (E) 6'-0" HEIGHT CHAIN-LINK FENCE TO REMAIN AND PROTECT IN PLACE. |
| E.55 | (E) 3'-9" HEIGHT CHAIN-LINK FENCE TO REMAIN AND PROTECT IN PLACE. |
| E.56 | (E) 3'-9" HEIGHT GATE TO REMAIN AND PROTECT IN PLACE. |

LEGEND

- | | | | |
|-----|------------------------|--|----------------------------------|
| SCD | SEWER CLEAN OUT | | (N) DECOMPOSED GRANITE WALK PATH |
| EPB | ELECTRICAL PULL BOX | | (N) ASPHALT PAVING |
| | (E) LIGHT POLES | | (N) TRUNCATED DOMES |
| | (E) LIGHT POLES | | (N) CONCRETE SIDEWALK |
| | F.E. FIRE EXTINGUISHER | | AREA OF WORK |
| | | | (NEW) 8' - 0" FENCE/GATE |
| | | | EXISTING FENCE/GATE |

1 ENLARGED SITE PLAN - PROPOSED
3/32" = 1' - 0"



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADÒR

26328 AGOURA RD. 203 | AGOURA HILLS CA, 91301 | 805-698-4334

CONSULTANT

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

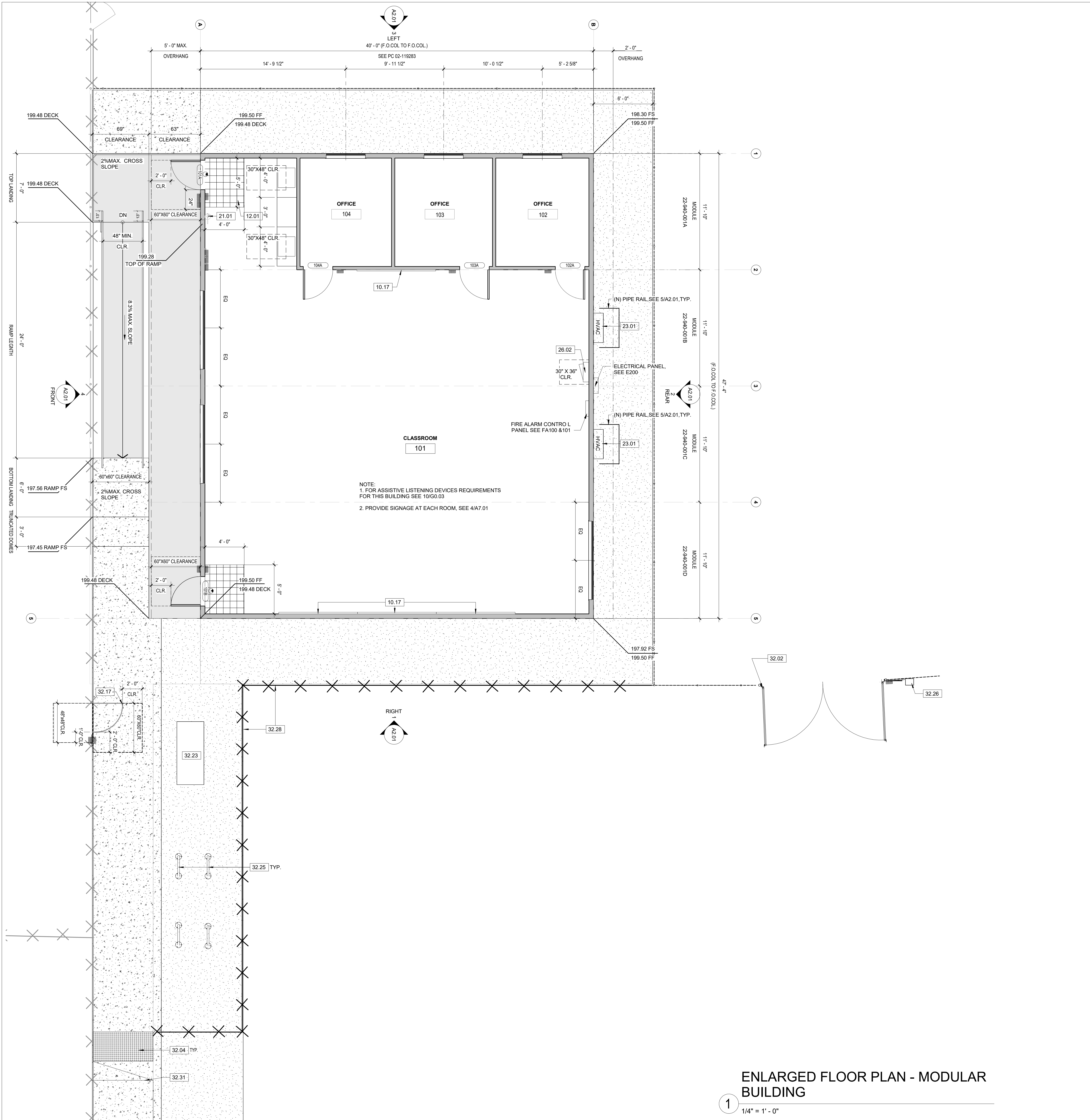
SHEET TITLE:

ENLARGED SITE PLAN - PROPOSED

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: Designer
DRAWING: MC CHECKED: Checker
SHEET NUMBER:

A0.24

DATE: 11/29/2022 SHEET: OF



1 ENLARGED FLOOR PLAN - MODULAR BUILDING
1/4" = 1' - 0"

KEYNOTES #

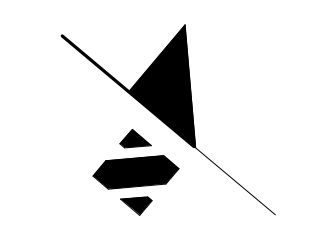
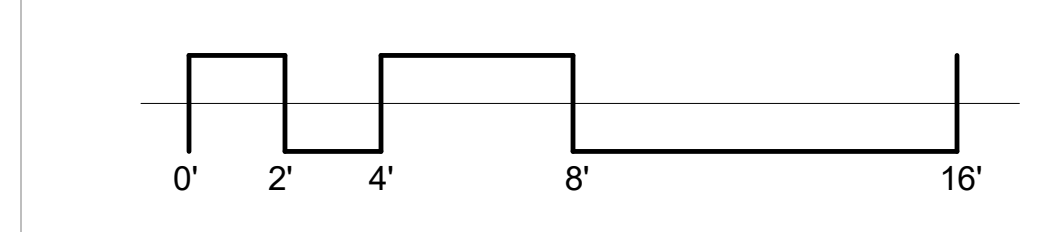
- 10.17 (N) 8'X4' WHITE BOARD. SEE PC DRAWINGS.
- 12.01 (N) 4'-0" WIDE WALK OFF MATT. NYSTORM, MAXTREAD ROLL UP MAT W/ POLYPROPYLENE CARPET
- 21.01 (N) FIRE EXTINGUISHER. SEE PC DRAWINGS.
- 23.01 (N) HVAC UNIT. SEE 10/M1.4 ON PC 02-120719.
- 26.02 (N) ELECTRICAL PANEL, SEE ELEC.PC DRAWINGS.
- 32.02 (N)8'-0" HEIGHT CHAIN LINK SERVICE GATE. SEE 1/A6.01
- 32.04 (N)DETECTABLE WARNING SURFACE-TRUNCATED DOMES, SEE 2/A5.01
- 32.17 (N)6'-0" HEIGHT CHAIN LINK GATE, SEE 7/A2.01
- 32.23 (N)BICYCLE STORAGE UNIT.ECOPARK STANDARD MODEL.TWO DOOR, SANDSTONE.RAL 1019, T-HANDLE,KEYED.
- 32.25 (N)BICYCLE U RACK W/ CROSS BAR MODEL, STANDAR-BLACK PLASTISOL, SURFACE MOUNT.
- 32.26 (N)KNOX BOX 3200 MODEL NO.3261, SURFACE MOUNTED,BLACK;NONE-TAMPER SWITCH.
- 32.28 (N)3'-0" HEIGHT CHAIN LINK GATE, SEE 9/A6.01
- 32.31 (N)DRIVEWAY FOR FIRE DEPARTMENT TO ACCESS SERVICE GATE.

GENERAL NOTES

1. ALL ITEMS SHOWN ARE EXISTING UNLESS NOTED NEW.

LEGEND

- (N) ASPHALT PAVING
- (N) TRUNCATED DOMES
- (N) CONCRETE SIDEWALK
- AREA OF WORK
- (NEW) 8' - 0" FENCE/GATE
- EXISTING FENCE/GATE
- EXIT SIGN



DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 04/19/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
781 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADÒR

28328 AGUORA RD. 203 | AGUORA HILLS CA. 91301 | 855-658-4334

CONSULTANT

STAMPS/SEALS

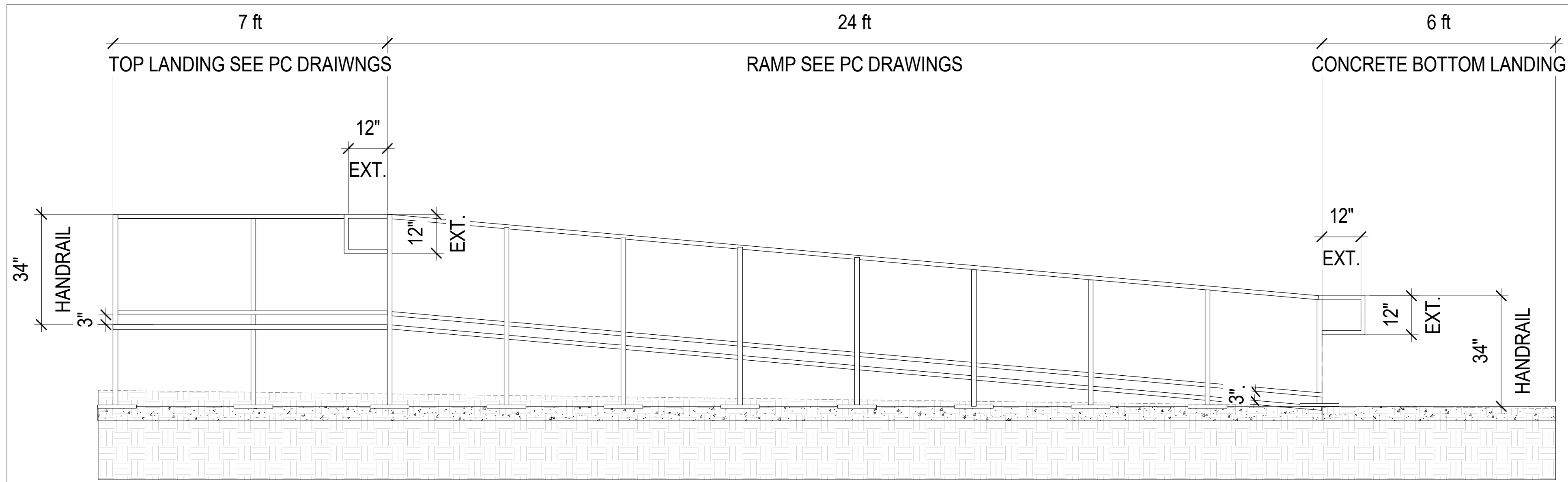
DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: Designer
DRAWN: MC CHECKED: Checker
SHEET NUMBER:

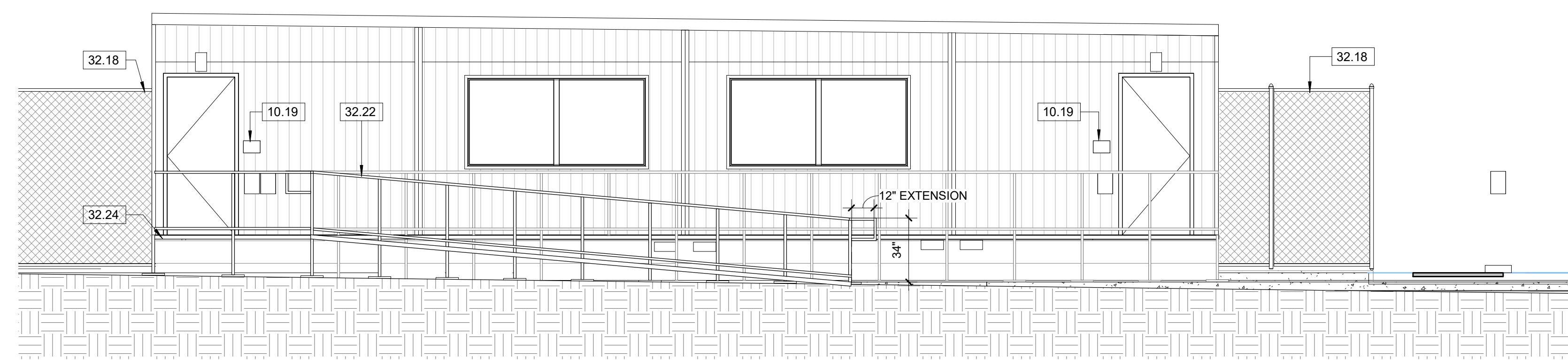
SHEET TITLE:

ENLARGE FLOOR PLAN - MODULAR BUILDING & ACCESSIBLE GATE

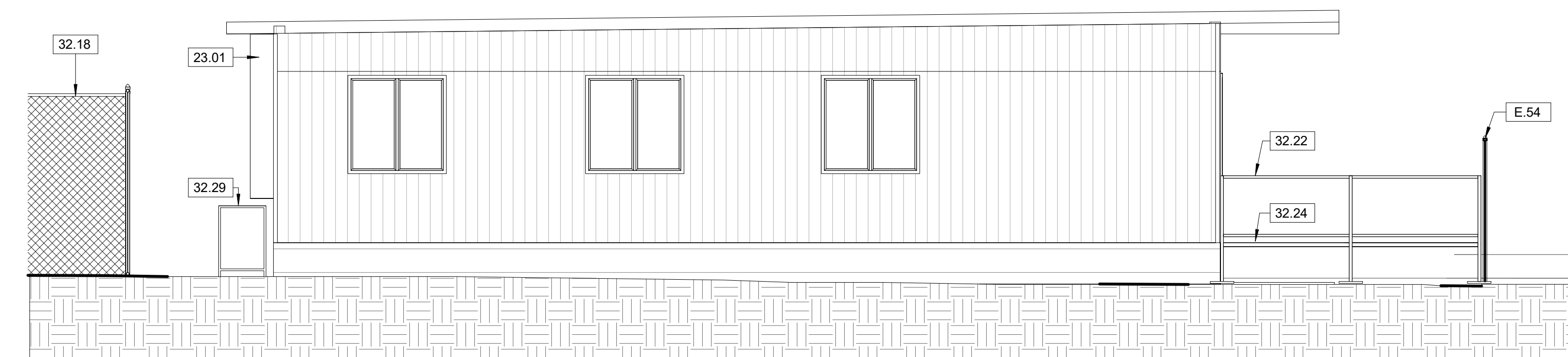
DATE: 11/29/2022 SHEET: **A1.10** OF



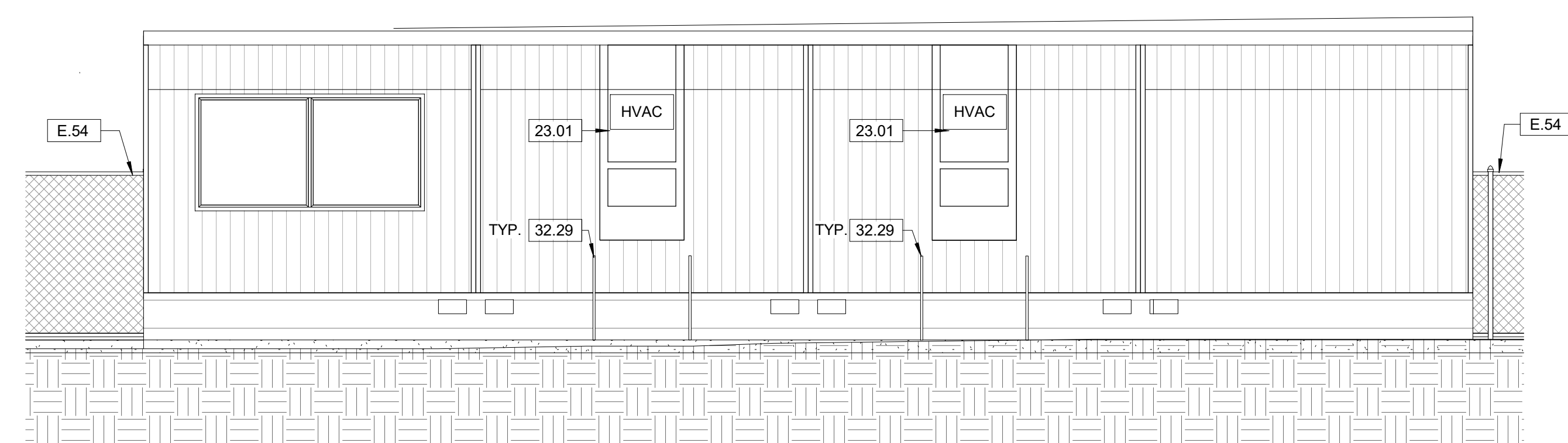
6 RAMP EXTENSION DETAIL (SEE PC 02-120719 DETAIL 3/S10.0)
1/2" = 1'-0"



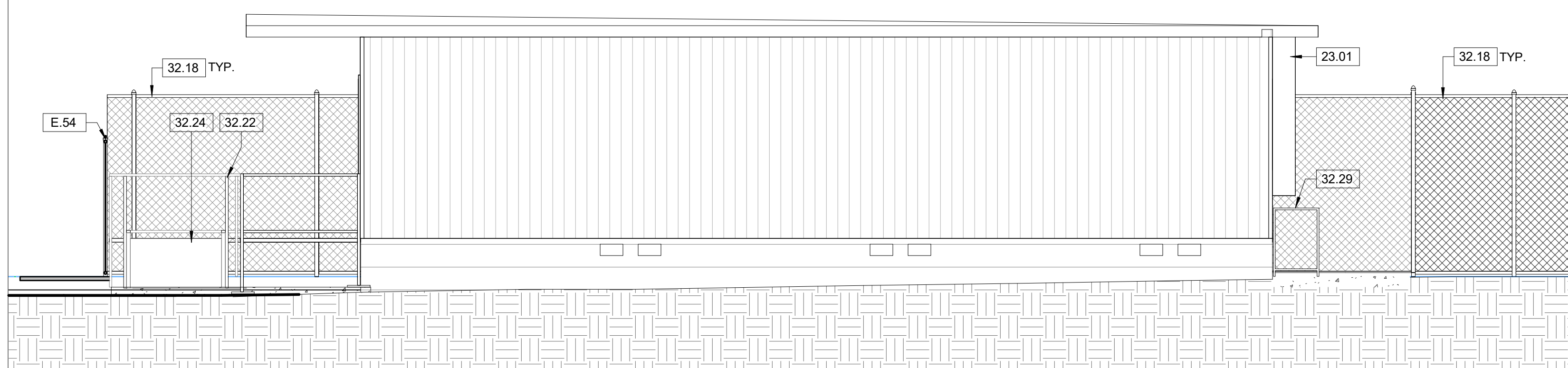
4 EXTERIOR ELEVATION - FRONT
1/4" = 1'-0"



3 EXTERIOR ELEVATION - LEFT
1/4" = 1'-0"

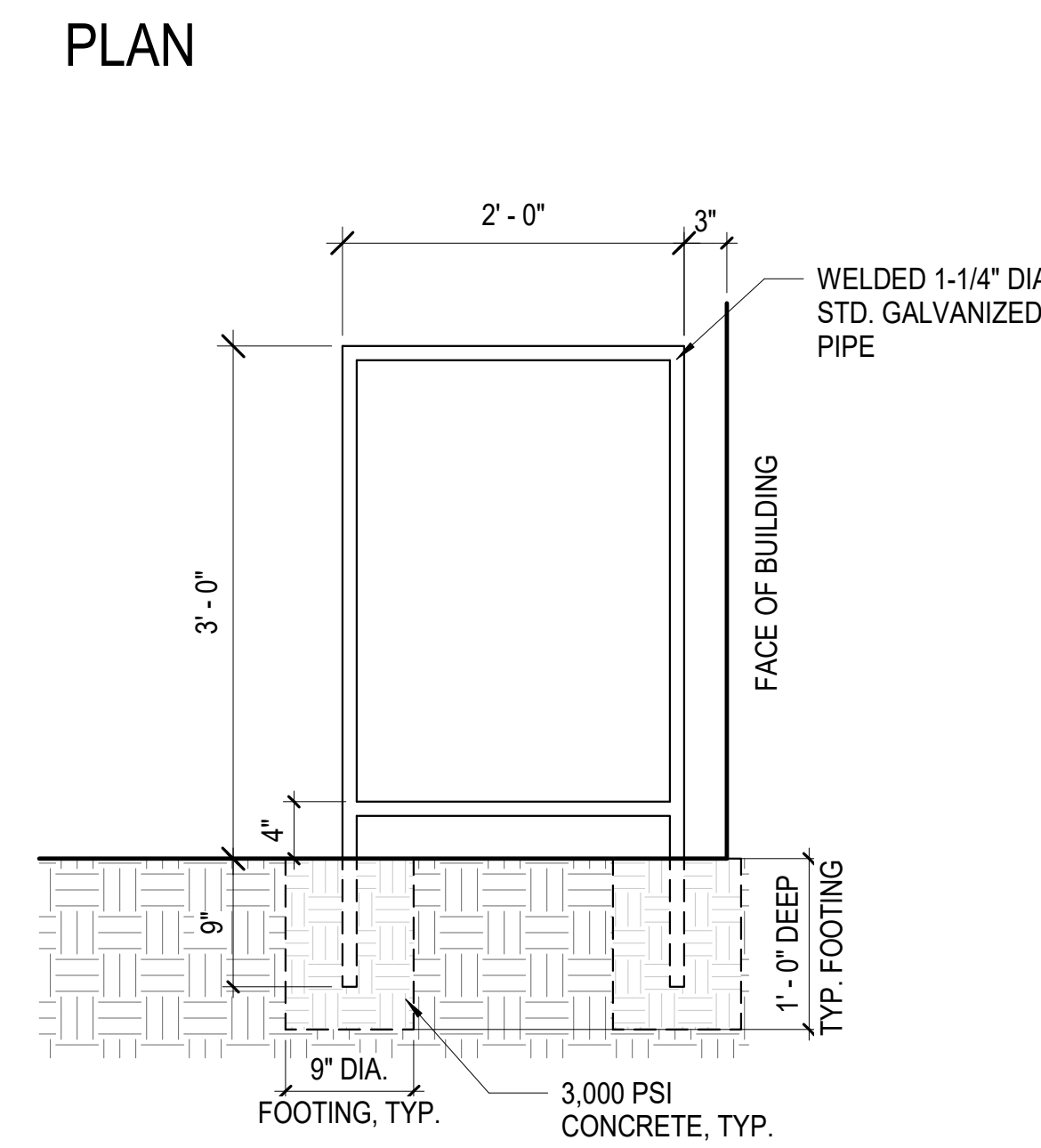
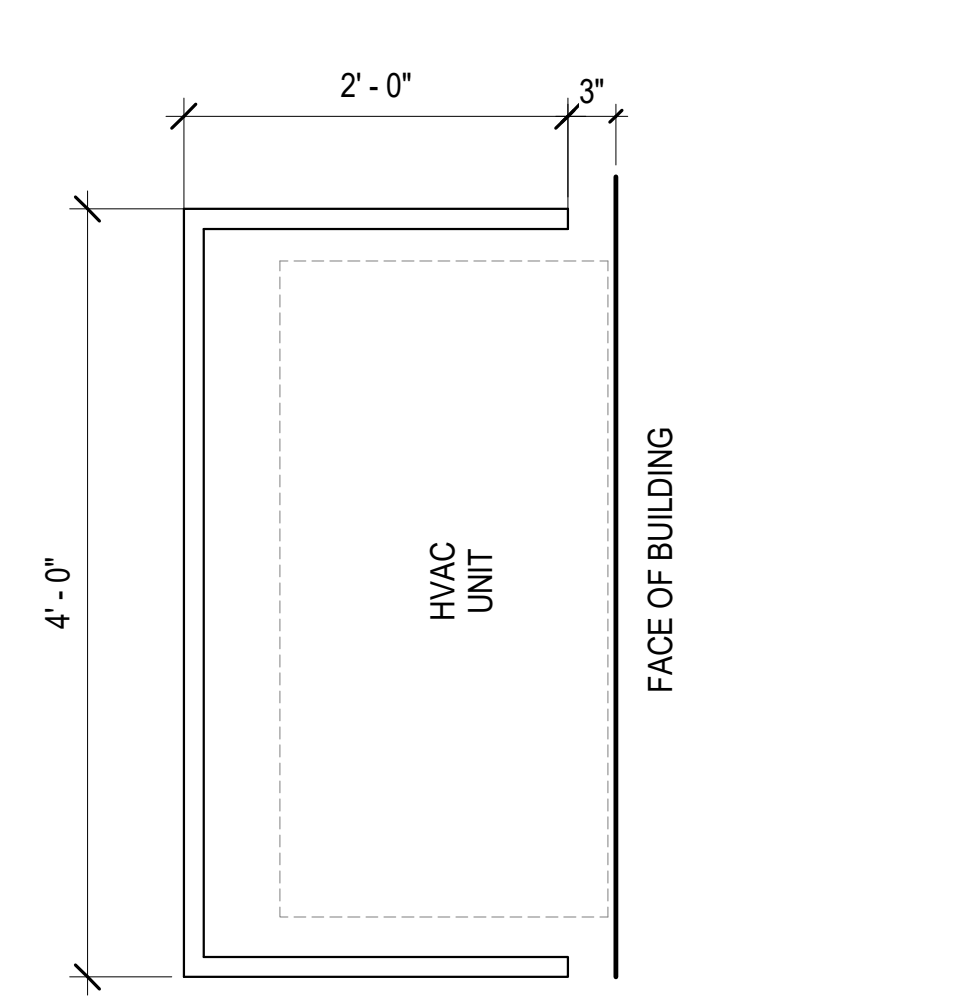


2 EXTERIOR ELEVATION - REAR
1/4" = 1'-0"



1 EXTERIOR ELEVATION - RIGHT
1/4" = 1'-0"

PLAN



5 PIPE RAILING DETAIL
1" = 1'-0"

KEYNOTES #

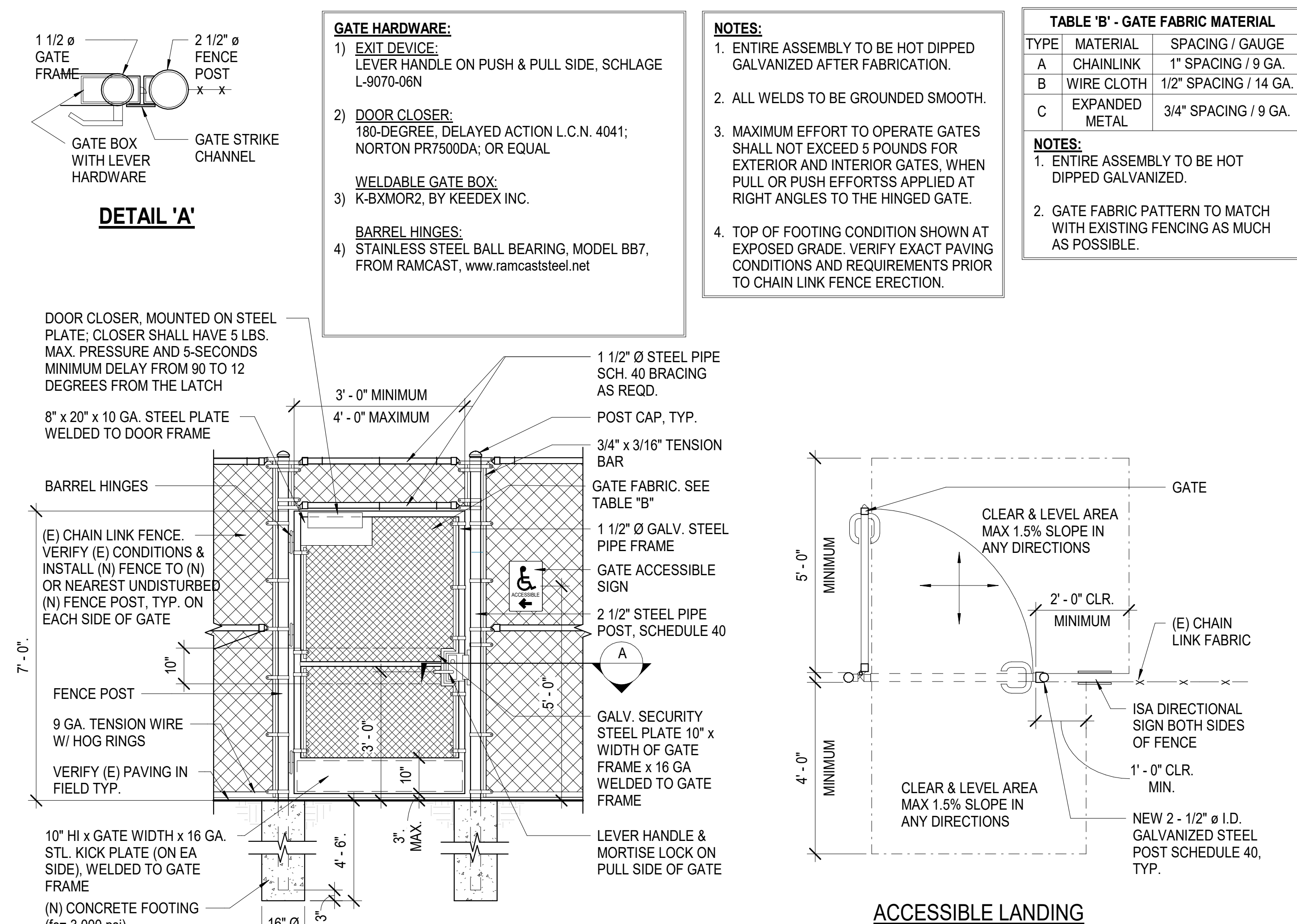
- 10.19 (N) WALL MOUNTED BUILDING I.D. SIGN TYPE B2 PER DETAIL 12/A.01
- 23.01 (N) HVAC UNIT. SEE 10/M1.4 ON PC 02-120719.
- 32.18 (N) 6'-0" HEIGHT CHAIN LINK DOUBLE SERVICE GATE. SEE 3/A6.01.
- 32.22 (N) HANDRAIL DETAILS. SEE PC 02-120719. 7/S10.1.
- 32.24 (N) RAMP & LANDING DETAILS. SEE PC 02-120719. 1/S10.0.
- 32.29 (N) PIPE RAIL. SEE 5/A2.01

EXISTING KEYNOTES #

- E.54 (E) 6'-0" HEIGHT CHAIN-LINK FENCE TO REMAIN AND PROTECT IN PLACE.

GENERAL NOTES

1. SEE CIVIL DRAWINGS AND SPECIFICATIONS FOR CONSTRUCTION SPECIFICS OF GRADING, DRAINAGE AND SURFACING.
2. PIPE HANDRAILS / POSTS SHALL BE GALVANIZED FINISHED.
3. SOIL UNDER NEW CONCRETE PAVING / RAMP SHALL BE COMPACTED PER CIVIL DRAWINGS SEE C1.00.



7 ACCESSIBLE PEDESTRIAN GATE (CHAIN LINK)
1/2" = 1'-0"

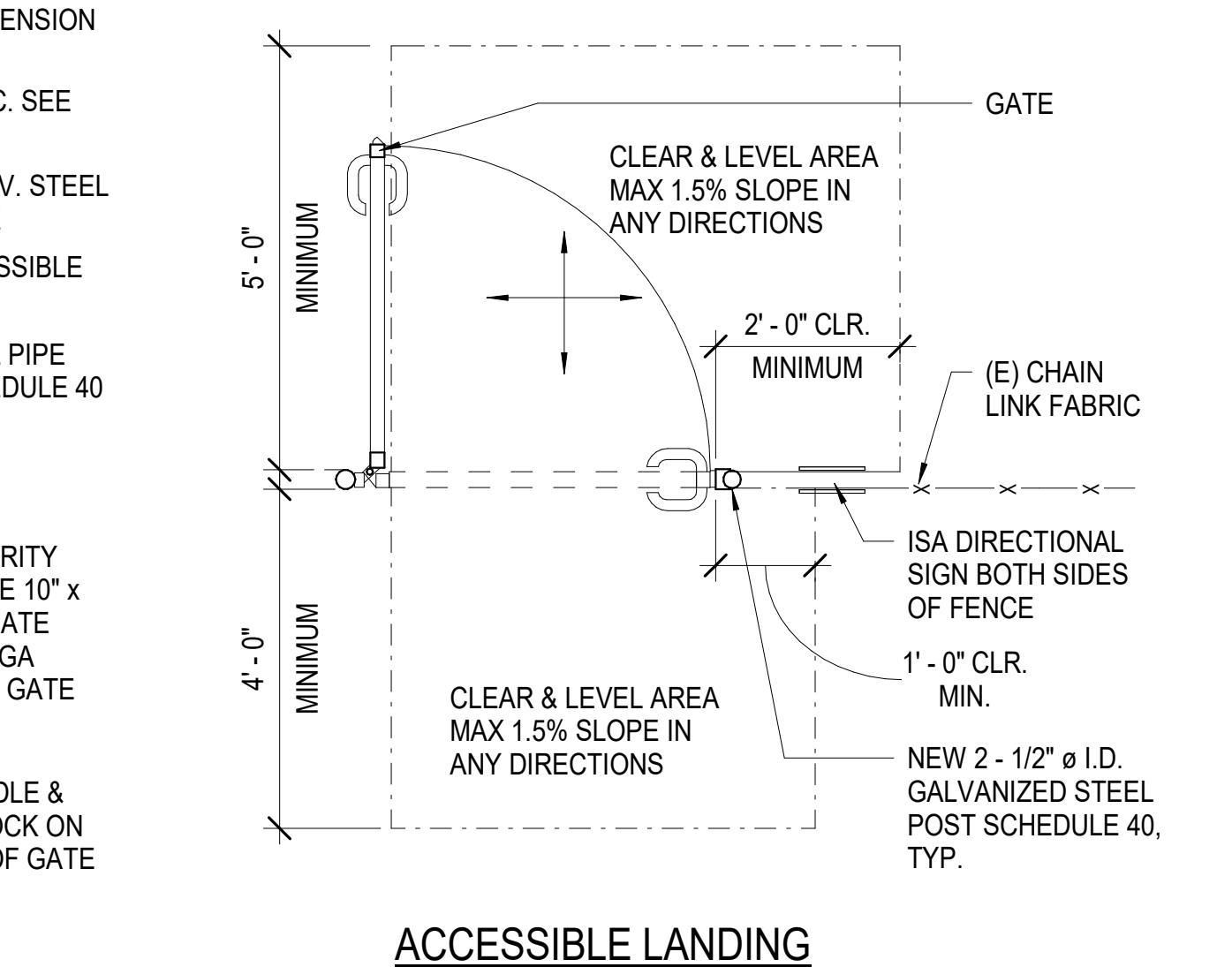
TABLE 'B' - GATE FABRIC MATERIAL

TYPE	MATERIAL	SPACING / GAUGE
A	CHAINLINK	1" SPACING / 9 GA.
B	WIRE CLOTH	1/2" SPACING / 14 GA.
C	EXPANDED METAL	3/4" SPACING / 9 GA.

NOTES:

1. ENTIRE ASSEMBLY TO BE HOT DIPPED GALVANIZED.
2. GATE FABRIC PATTERN TO MATCH WITH EXISTING FENCING AS MUCH AS POSSIBLE.

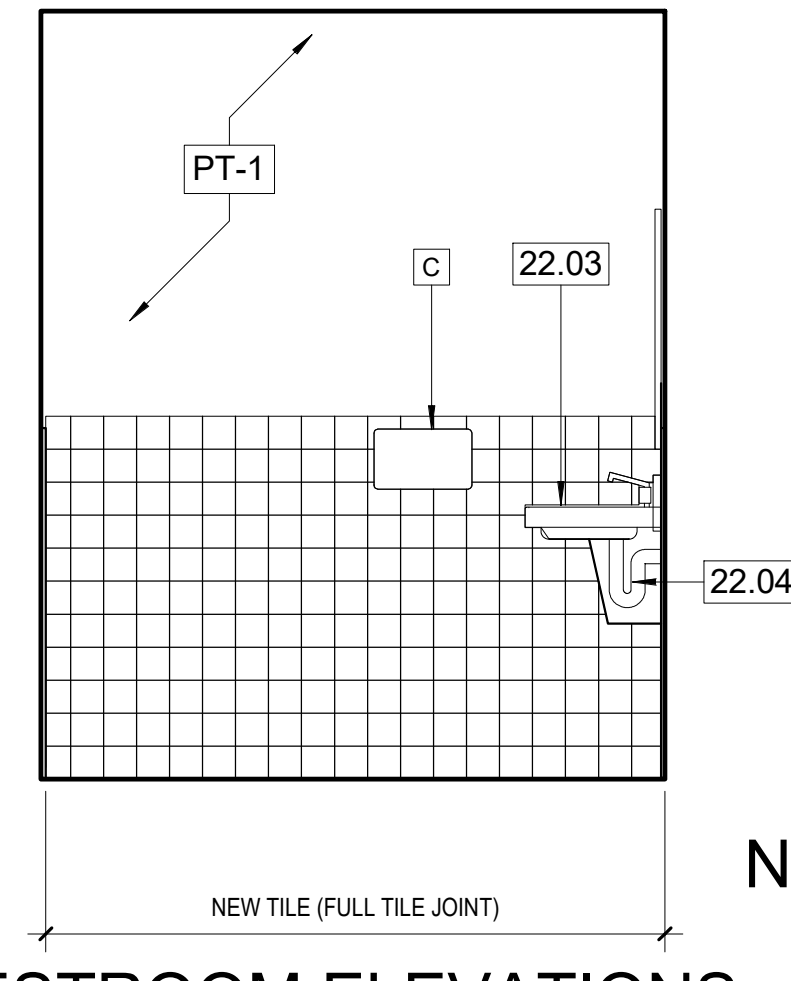
- GATE HARDWARE:**
- 1) EXIT DEVICE: LEVER HANDLE ON PUSH & PULL SIDE, SCHLAGE L-9070-06N
 - 2) DOOR CLOSER: 180-DEGREE, DELAYED ACTION L.C.N. 4041; NORTON PR7500DA, OR EQUAL
 - 3) WELDABLE GATE BOX: K-BXMOR2, BY KEEDEX INC.
 - 4) BARREL HINGES: STAINLESS STEEL BALL BEARING, MODEL BB7, FROM RAMCAST, www.ramcaststeel.net
- NOTES:**
1. ENTIRE ASSEMBLY TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
 2. ALL WELDS TO BE GROUNDED SMOOTH.
 3. MAXIMUM EFFORT TO OPERATE GATES SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR AND INTERIOR GATES, WHEN PULL OR PUSH EFFORTS APPLIED AT RIGHT ANGLES TO THE HINGED GATE.
 4. TOP OF FOOTING CONDITION SHOWN AT EXPOSED GRADE. VERIFY EXACT PAVING CONDITIONS AND REQUIREMENTS PRIOR TO CHAIN LINK FENCE ERECTION.



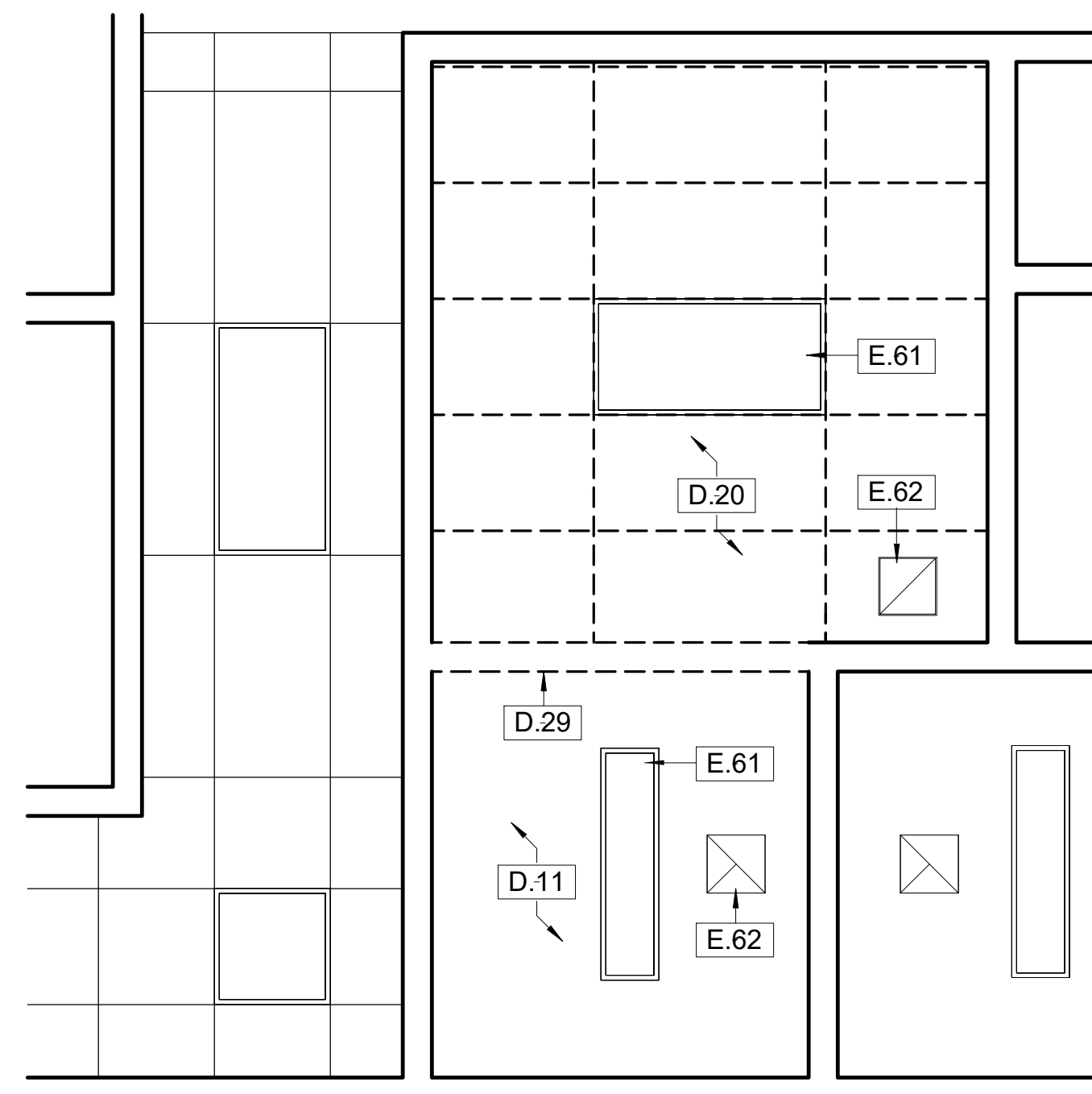
ACCESSIBLE LANDING



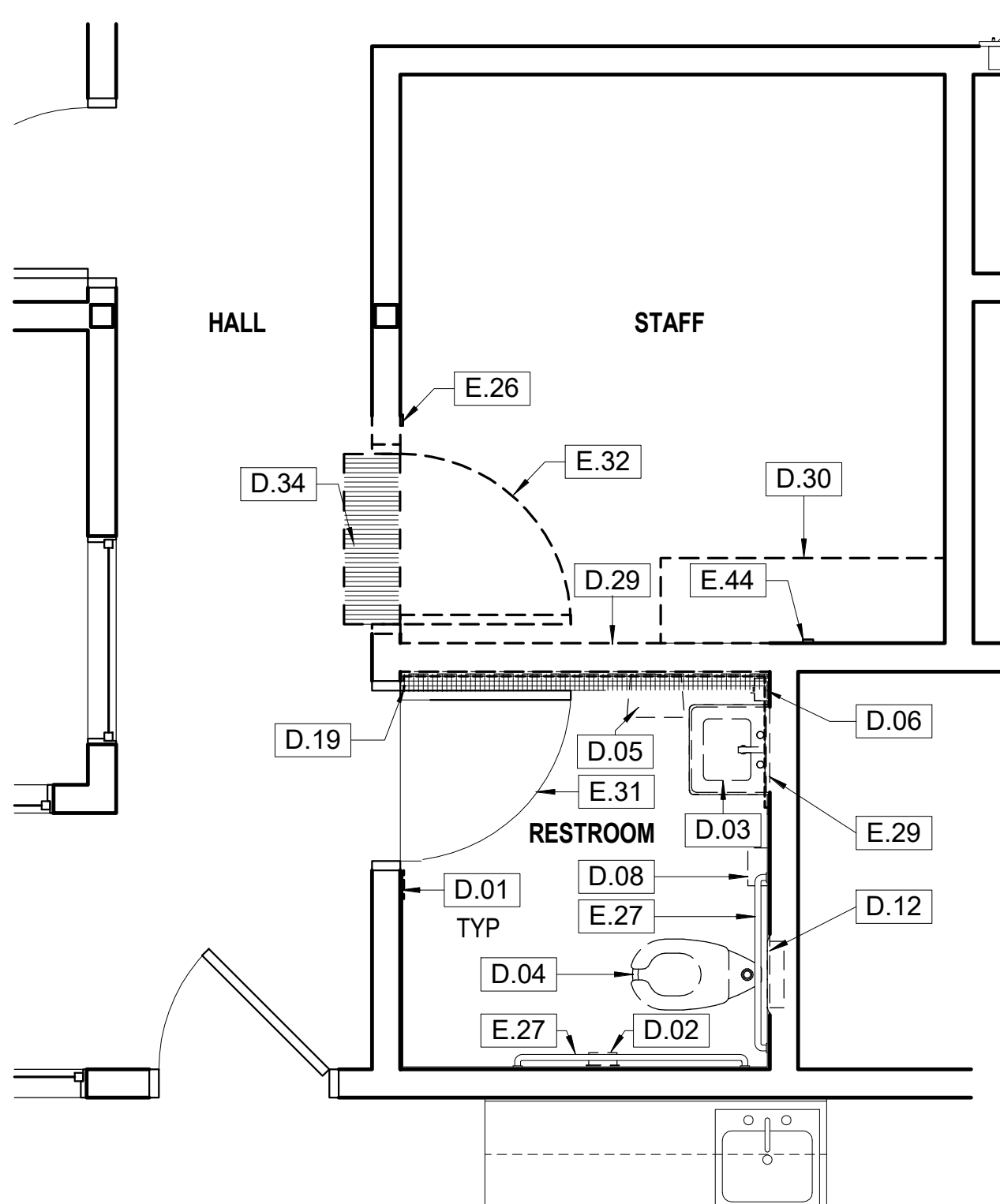
2 (E) RESTROOM STALL IMAGE
3" = 1'-0"



5 RESTROOM ELEVATIONS
1/2" = 1'-0"



4 RCP - DEMOLITION
3/8" = 1'-0"

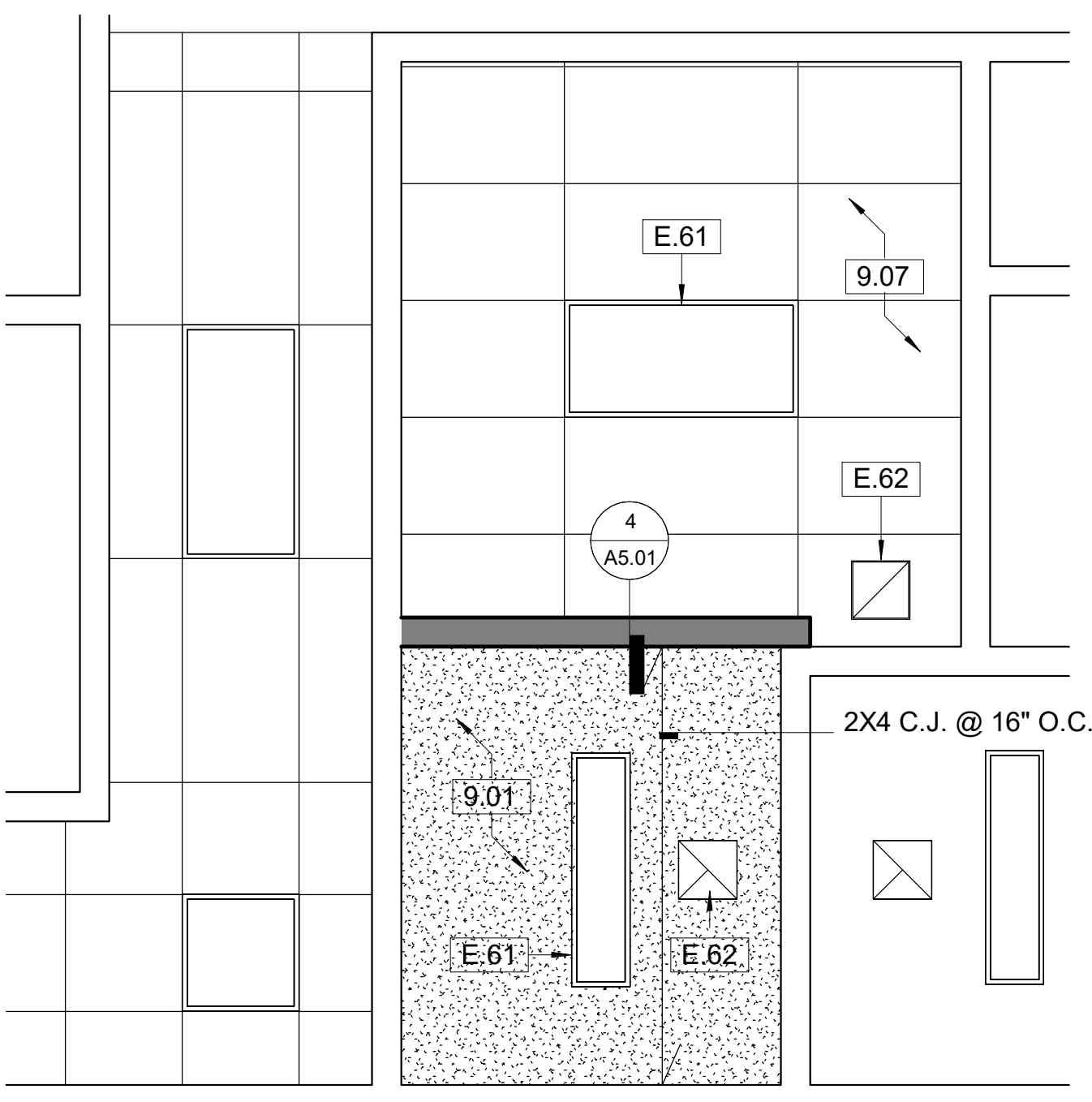
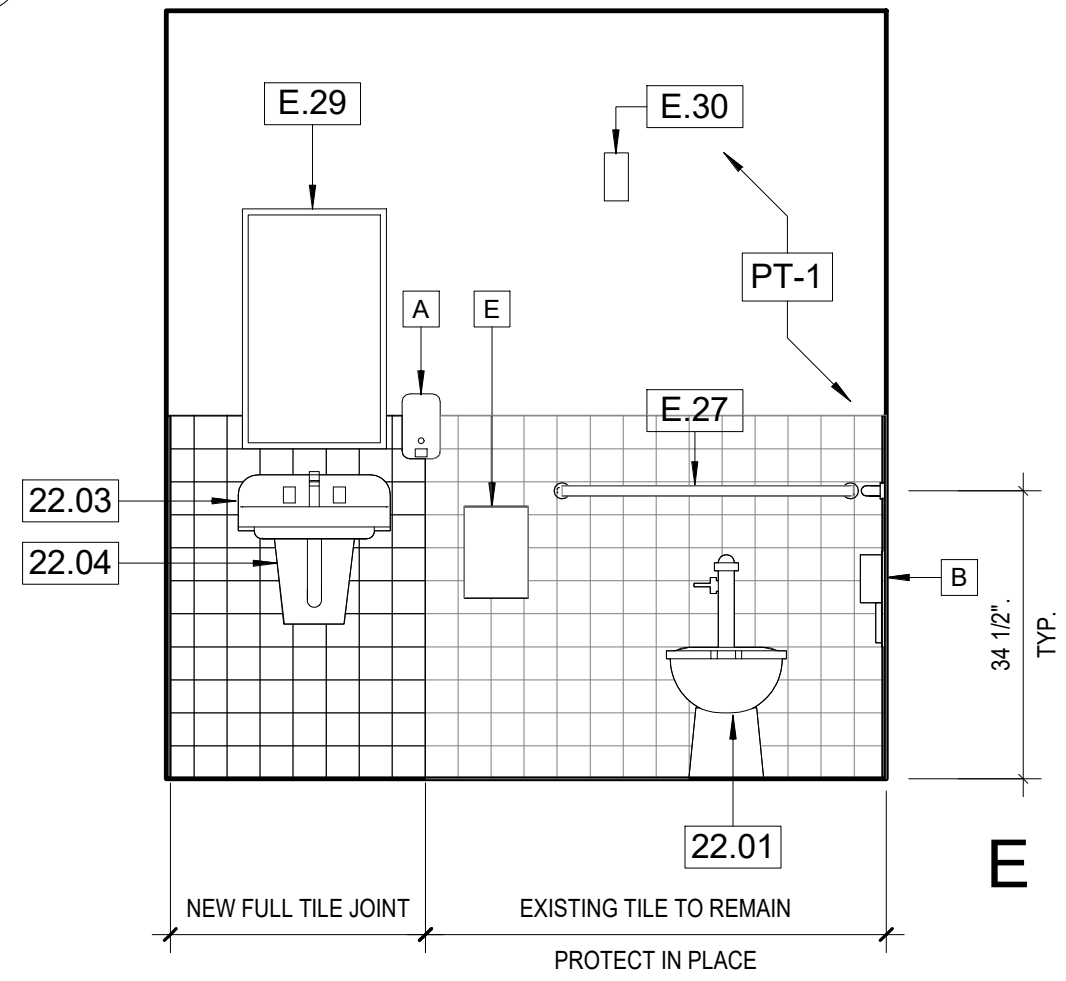


6 RESTROOM - DEMOLITION
3/8" = 1'-0"

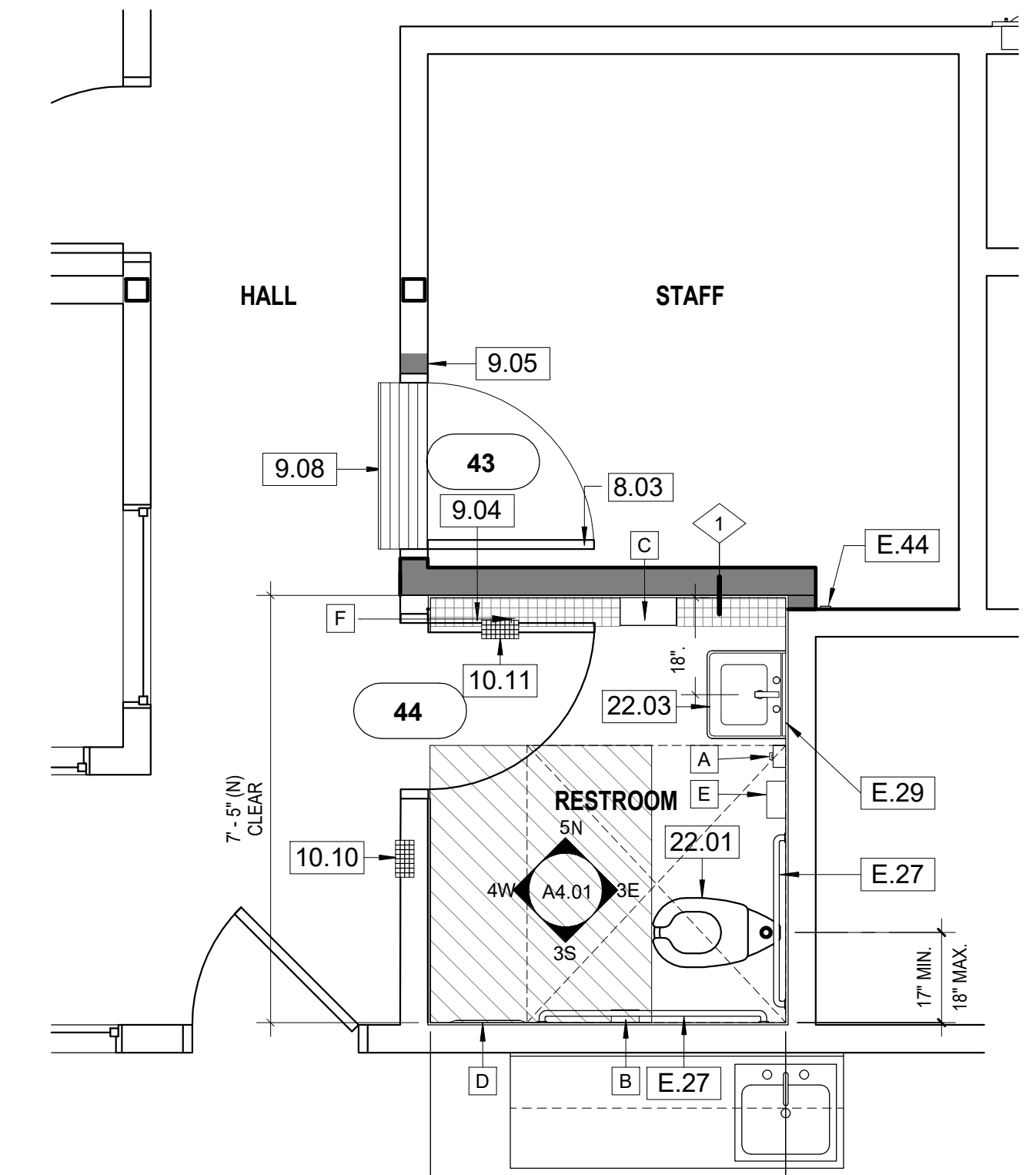
NOTE: FROM FIXTURE REMOVAL COVER SCREW HOLES WITH GROUT.



9 (E) STAFF ROOM
3/8" = 1'-0"



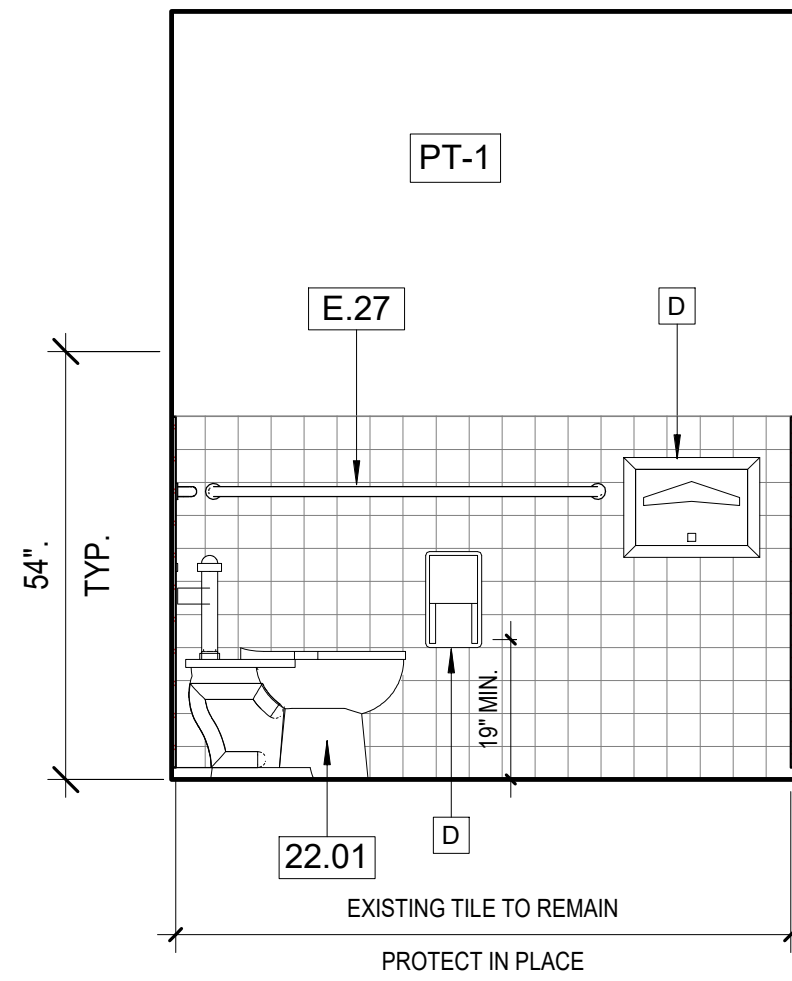
3 RCP - NEW CONSTRUCTION
3/8" = 1'-0"



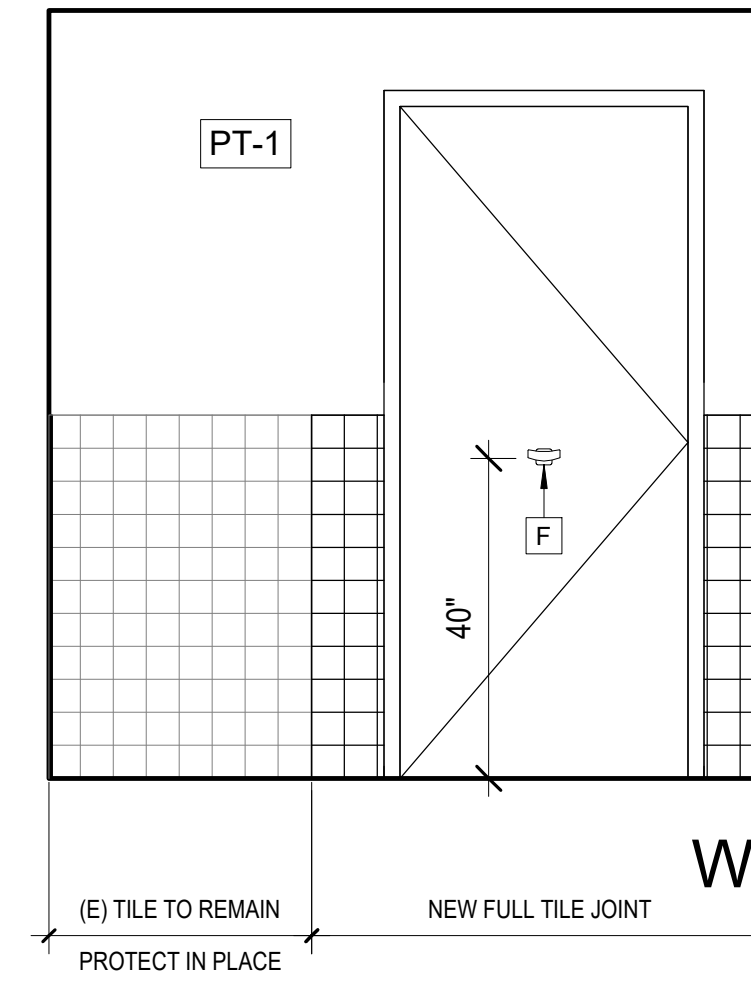
1 RESTROOM - REMODEL PLAN
3/8" = 1'-0"

MATERIAL LIST LEGEND

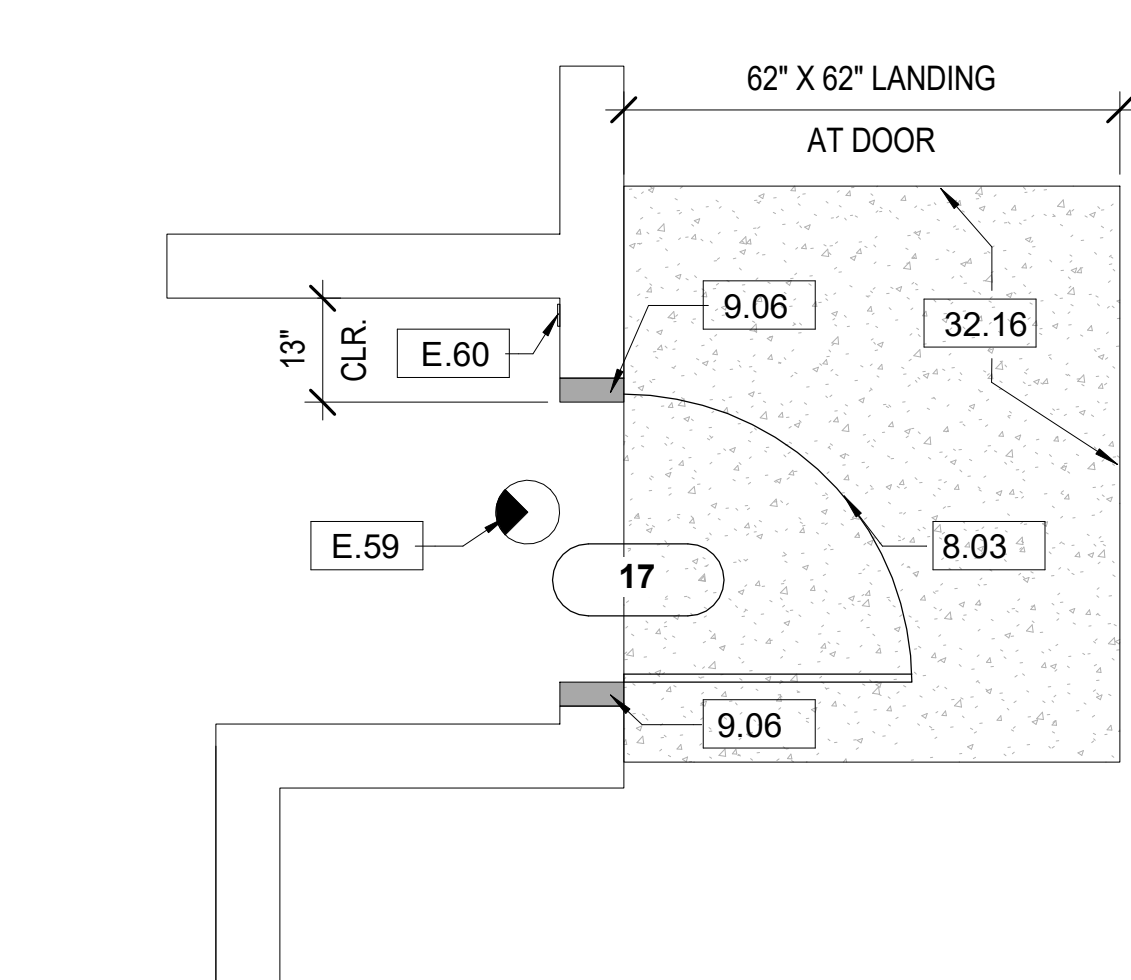
PT-1	PAIN - TO MATCH (E), SEE 2/A4.01
	NEW TILE, TO MATCH (E) COLOR. SEE 2/A4.01
	EXISTING TILE TO REMAIN.



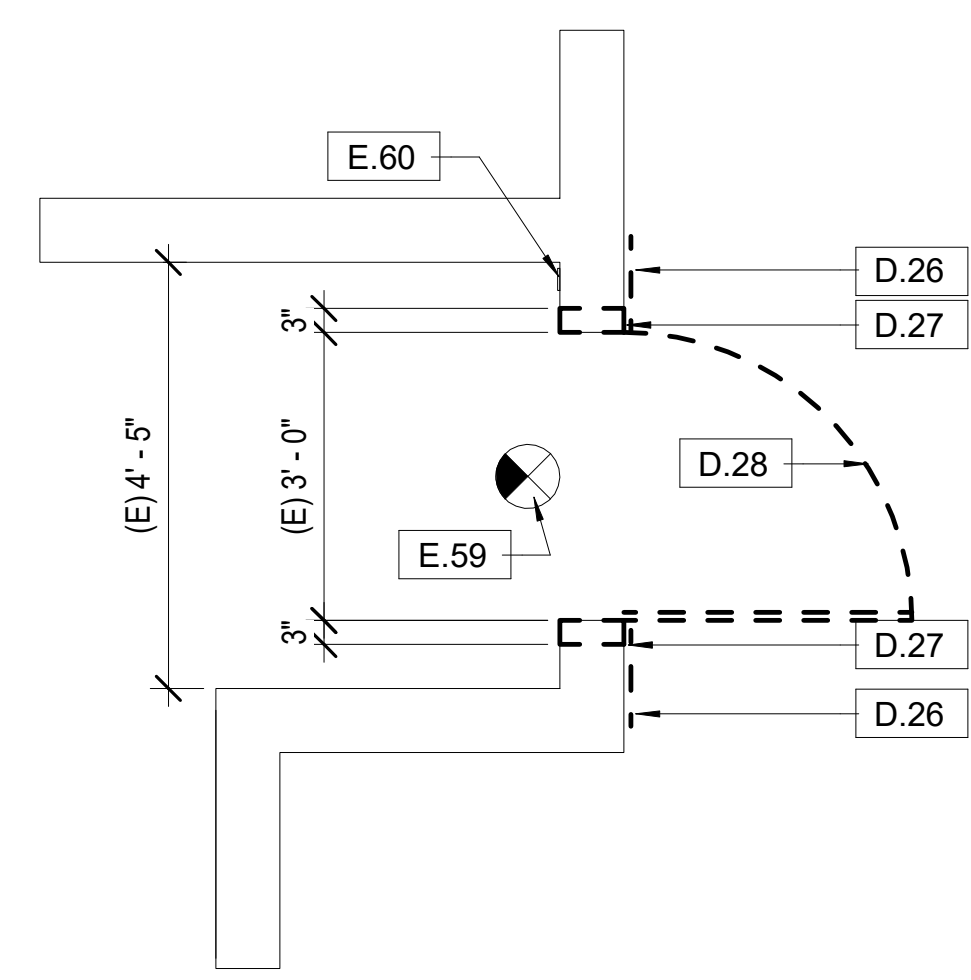
S



W



8 EXTERIOIR ENTRY NORTH - NEW CONSTRUCTION
1/2" = 1'-0"



7 EXTERIOIR ENTRY NORTH - DEMOLITION
1/2" = 1'-0"

DEMOLITION KEYNOTES

- D.01 DEMOLISH (E) CERMAIC TILE WAINSCOT TO FULL TILE JOINT. SEE ELEVATIONS FOR NEW & EXISTING TILE.
- D.02 DEMOLISH (E) TOILET PAPER DISPENSER
- D.03 DEMOLISH (E) LAVATORY
- D.04 DEMOLISH (E) WATER CLOSET
- D.05 DEMOLISH (E) PAPER TOWEL DISPENSER
- D.06 DEMOLISH (E) SOAP DISPENSER
- D.08 DEMOLISH (E) FEM-NAPKIN DISPOSAL
- D.11 DEMOLISH (E) GYPSUM BOARD CEILING FINISH & (E) 2X4 CEILING JOISTS AT 16" O.C.
- D.12 DEMOLISH (E) TOILET SEAT COVER DISPENSER
- D.19 DEMOLISH (E) MOSAIC TILE FLOOR. DEMO TO FULL TILE JOINT.
- D.20 DEMOLISH (E) TEE BAR CEILING.
- D.26 DEMOLISH PORTION OF (E) EXTERIOR PLASTER FINISH ALL AROUND.
- D.27 DEMOLISH PORTION OF (E) WALL (NON SHEAR WALLS).
- D.28 REMOVE AND RELOCATE (E) DOOR AND FRAME, PROTECT DOOR & FRAME.
- D.29 DEMOLISH (E) NON - BEARING STUD WALL
- D.30 DEMOLISH (E) BASE CABINET.
- D.34 REMOVE (E) VCT FLOORING ADJACENT TO WORK AND REPLACE WITH NEW.

EXISTING KEYNOTES

- E.26 (E) LIGHT SWITCH TO BE REMOVED AND RELOCATED, SEE IMAGE 9/A4.01
- E.27 (E) GRAB BAR TO REMAIN & BE REUSED
- E.29 (E) MIRROR TO BE RETAINED & RELOCATED
- E.30 (E) FIRE ALARM HORN/STROBE TO REMAIN AND PROTECT IN PLACE
- E.31 (E) DOOR TO REMIAN AND PROTECT IN PLACE
- E.32 (E) DOOR TO BE REMOVED & RELOCATED
- E.44 (E) ELECTRICAL OUTLET TO REMAIN, REUSE AND PROTECT IN PLACE.
- E.59 (E) EXIT SIGN TO REMAIN, REUSE AND PROTECT IN PLACE.
- E.60 (E) LIGHT SWITCH TO REMAIN, REUSE AND PROTECT IN PLACE.
- E.61 (E) 2X4 LIGHT FIXTURE TO REMAIN, REUSE AND PROTECT IN PLACE.
- E.62 (E) HVAC GRILLE TO REMAIN, REUSE AND PROTECT IN PLACE.

KEYNOTES

- 8.01 REUSE EXISTING DOOR. RELOCATE TO NEW POSITION.
- 8.03 REUSE EXISTING DOOR & FRAME. SEE DOOR SCHEDULE A6.01.
- 9.01 (N) GYP BOARD CEILING FINISH OVER 2X4 CEILING JOISTS AT 16" O.C.
- 9.04 (N) MOSAIC TILE FLOOR TO MATCH (E), JOINT TO FULL TILE.
- 9.05 (N) PATCH AND PAINT WALL AROUND DOOR OPENING TO MATCH (E)
- 9.06 (N) WOOD FRAMING W/ EXTERIOR PLASTER FINISH & GYP. BOARD INTERIOR. SEE 9/A5.01
- 9.07 (N) TEE BAR CEILING. SEE SHEET A5.02 FOR DETAILS.
- 9.08 (N) VCT. PATCH AREA ADJACENT TO WORK.
- 10.10 (N) WALL MOUNTED RESTROOM SIGN TYPE C6 PER DETAIL 6/A7.01
- 10.11 (N) DOOR MOUNTED RESTROOM SIGN TYPE C3 PER DETAIL 6/A7.01
- 22.01 (N) ACCESSIBLE WATER CLOSET, AMERICAN STANDARD MADERA FLOWISE 16-1/2" HEIGHT ELONGATED BOWL, WHITE VITREOUS CHINA WITH EVERCLEAN ANTIMICROBIAL SURFACE, FLOOR MOUNT, 1.6 GPF MAX. WITH BENKE EXTRA HEAVY DUTY SOLID PLASTIC SEAT, FLUSH VALVE: SLOAN ROYAL FLUSHOMETER MODEL 111-1.28 SMO
- 22.03 (N) ACCESSIBLE LAVATORY, WALL HUNG KOHLER HUDSON MODEL K-2810, WITH 4" CENTERS, CHICAGO FAUCETS MODEL 3400-ABCP MVP FAUCET, 0.5 GPM. INSTALL ON JR SMITH OR ZURN CARRIER.
- 22.04 TRUEBRO ADA COMPLIANT LAV SHIELD AROUND WASTE & WATER PIPES

ACCESSORIES SCHEDULE

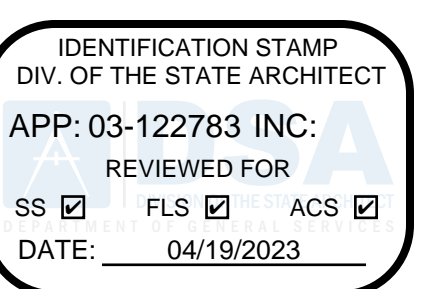
- A LIQUID SOAP DISPENSER
- B TOILET PAPER DISPENSER
- C PAPER TOWEL DISPENSER - SEMI-RECESSED
- D TOILET SEAT COVER DISPENSER
- E NAPKIN DISPOSAL
- F COAT HOOK

GENERAL NOTES

1. REMODELED RESTROOM SHALL COMPLY WITH ACCESSIBILITY REQUIREMENTS INDICATED ON SHEET G0.03
2. PATCH AND REPAIR EXISTING FLOOR, WALL OR CEILING SURFACES AS REQUIRED TO ACCOMMODATE THE NEW WORK.
3. REMOVE ALL WALL AND FLOOR TILE AND REPLACE WITH NEW MATERIALS.
4. PREP AND RE-PAINT ALL WALL AND CEILING SURFACES.

LEGEND

- INDICATES 56" x 60" CLEAR FLOOR SPACE
- INDICATES 48" x 60" MANEUVERING SPACE
- INDICATES WALL TYPE - SEE 4/A5.01



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
781 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADÒR

28328 AGOURA RD. 203 | AGOURA HILLS CA, 91301 | 805-698-4334

CONSULTANT

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

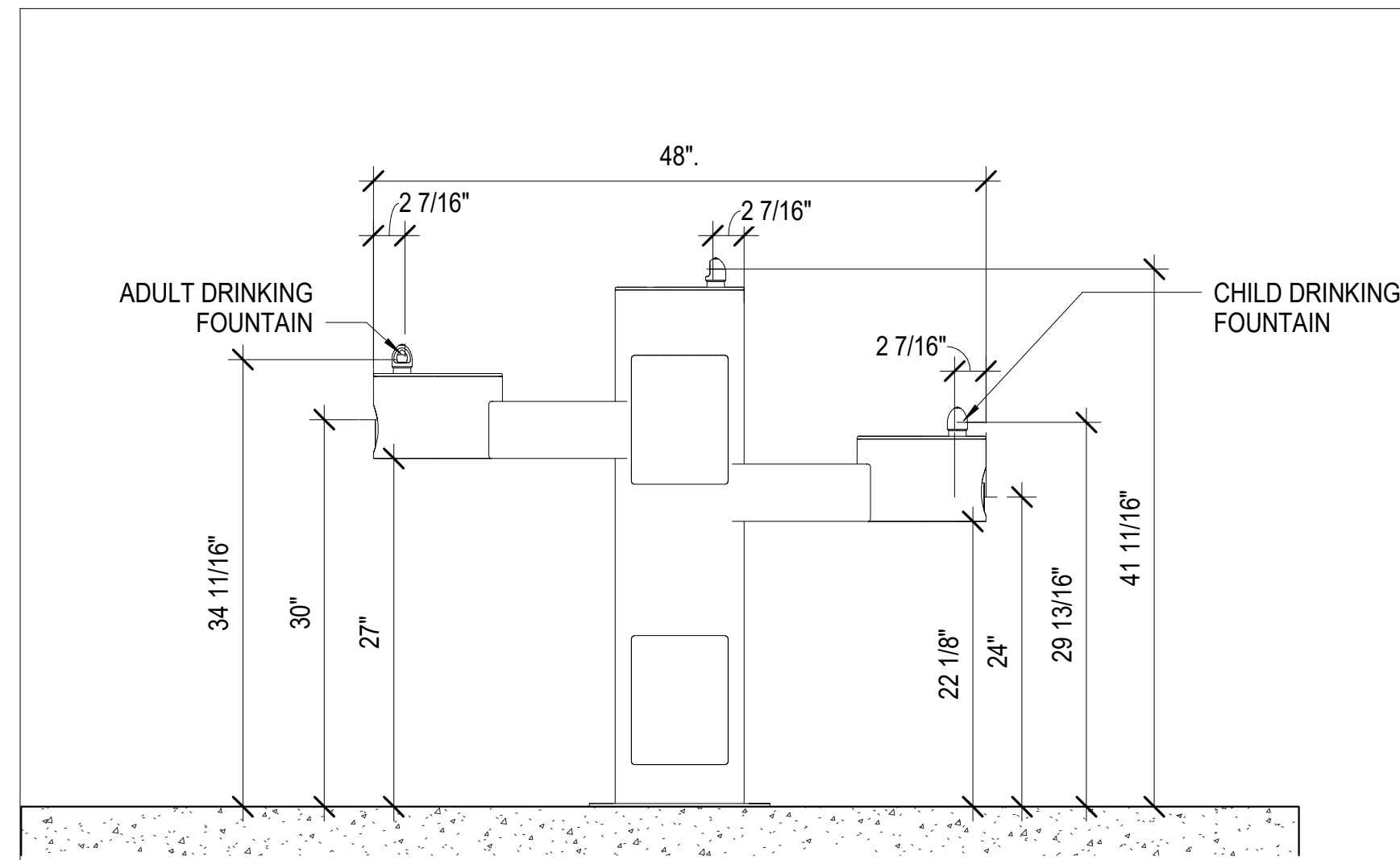
SHEET TITLE:

INTERIOR ELEVATIONS - RESTROOM

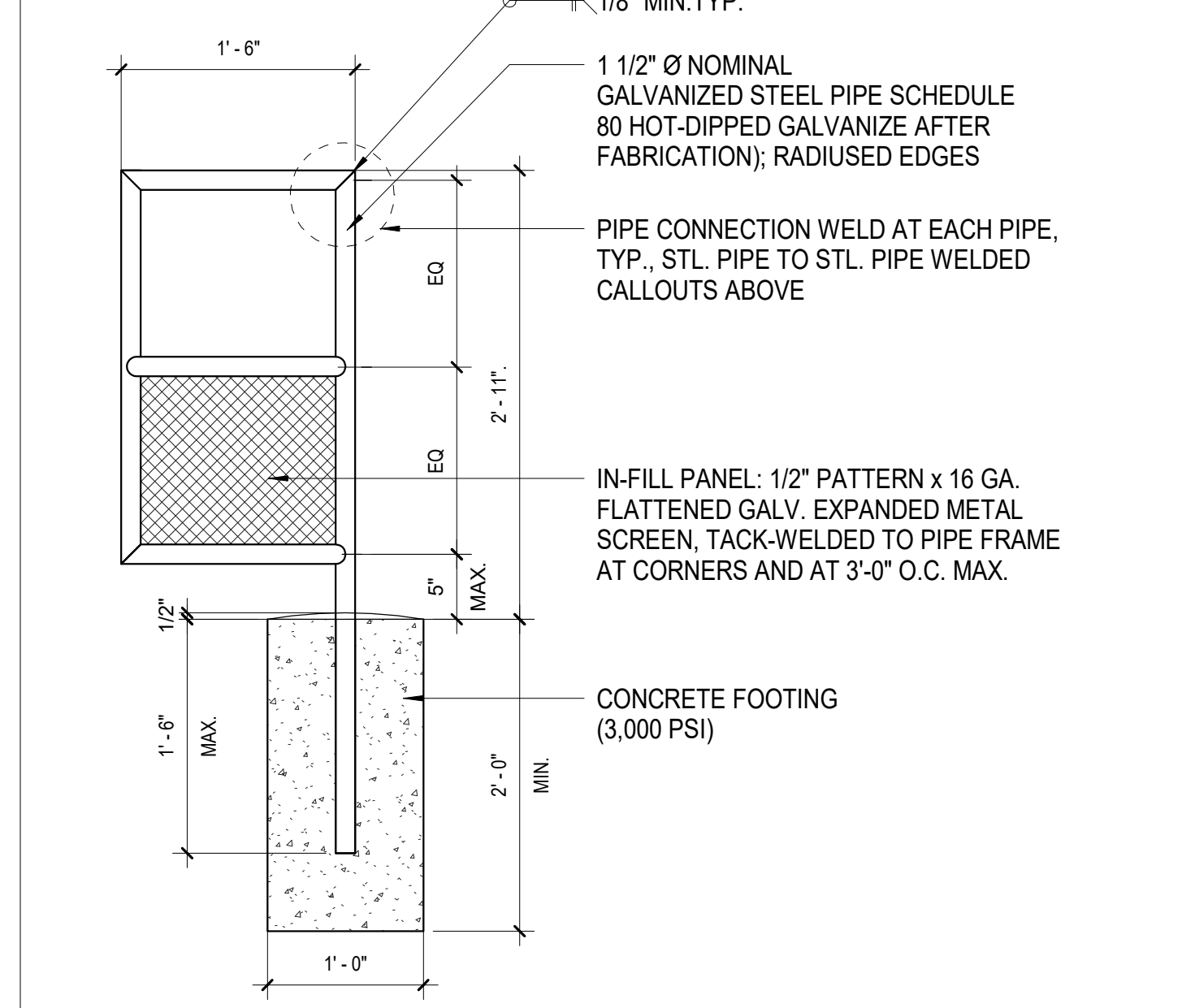
PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
DRAWN: MC CHECKED: Checker
SHEET NUMBER:

A4.01

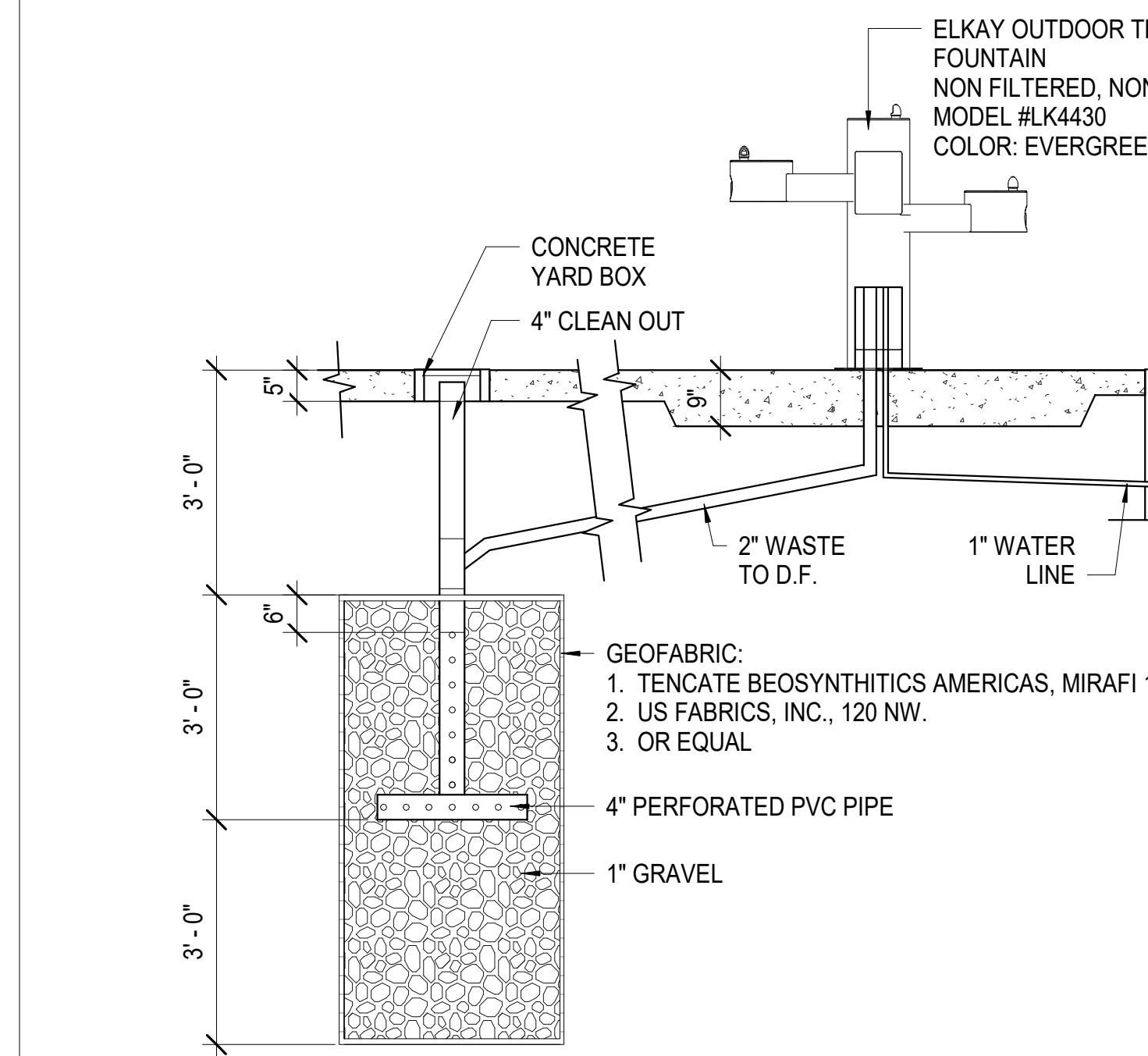
DATE: 11/29/2022 SHEET: OF



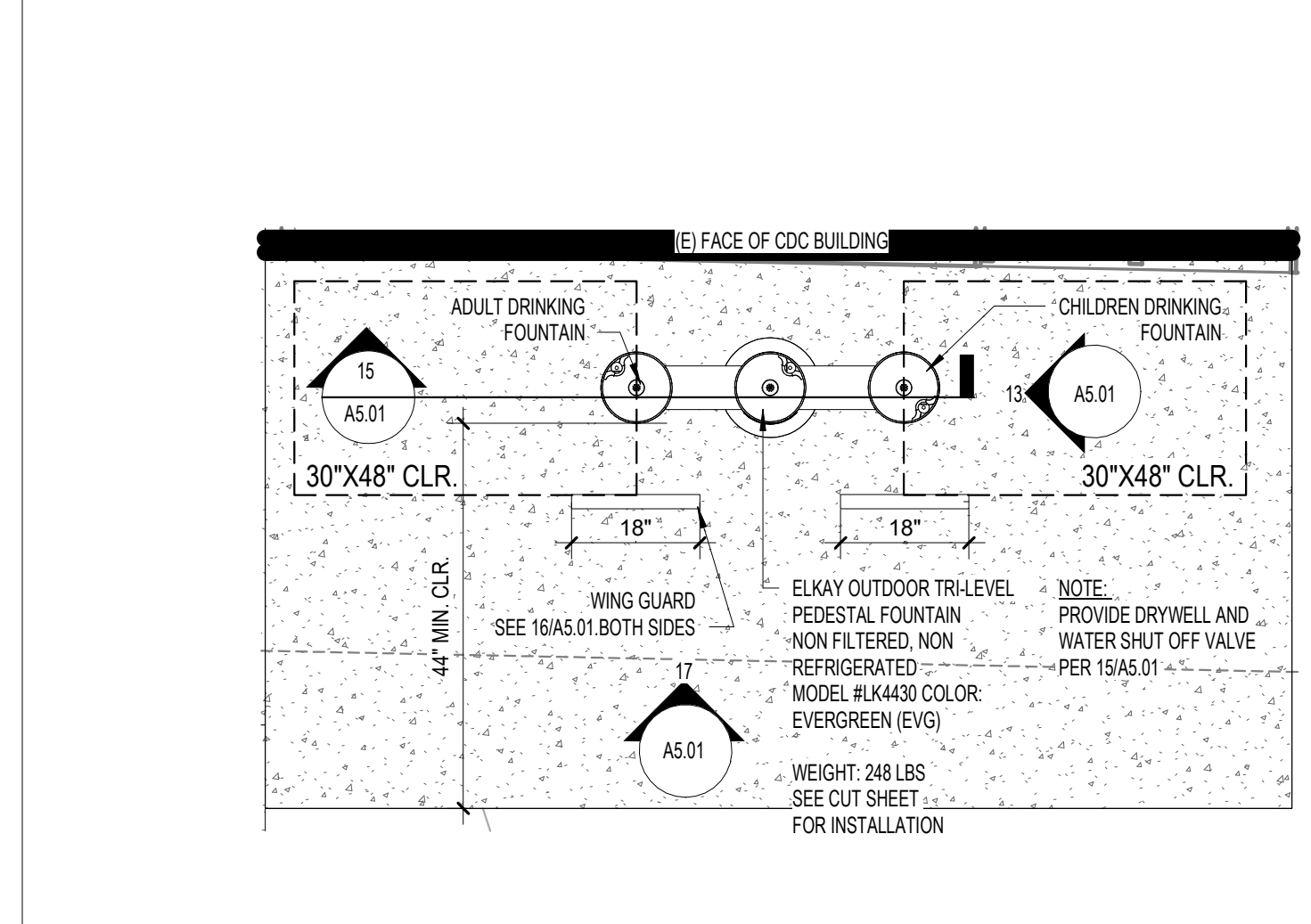
17 ELEVATION DRINKING FOUNTAIN
1" = 1'-0"



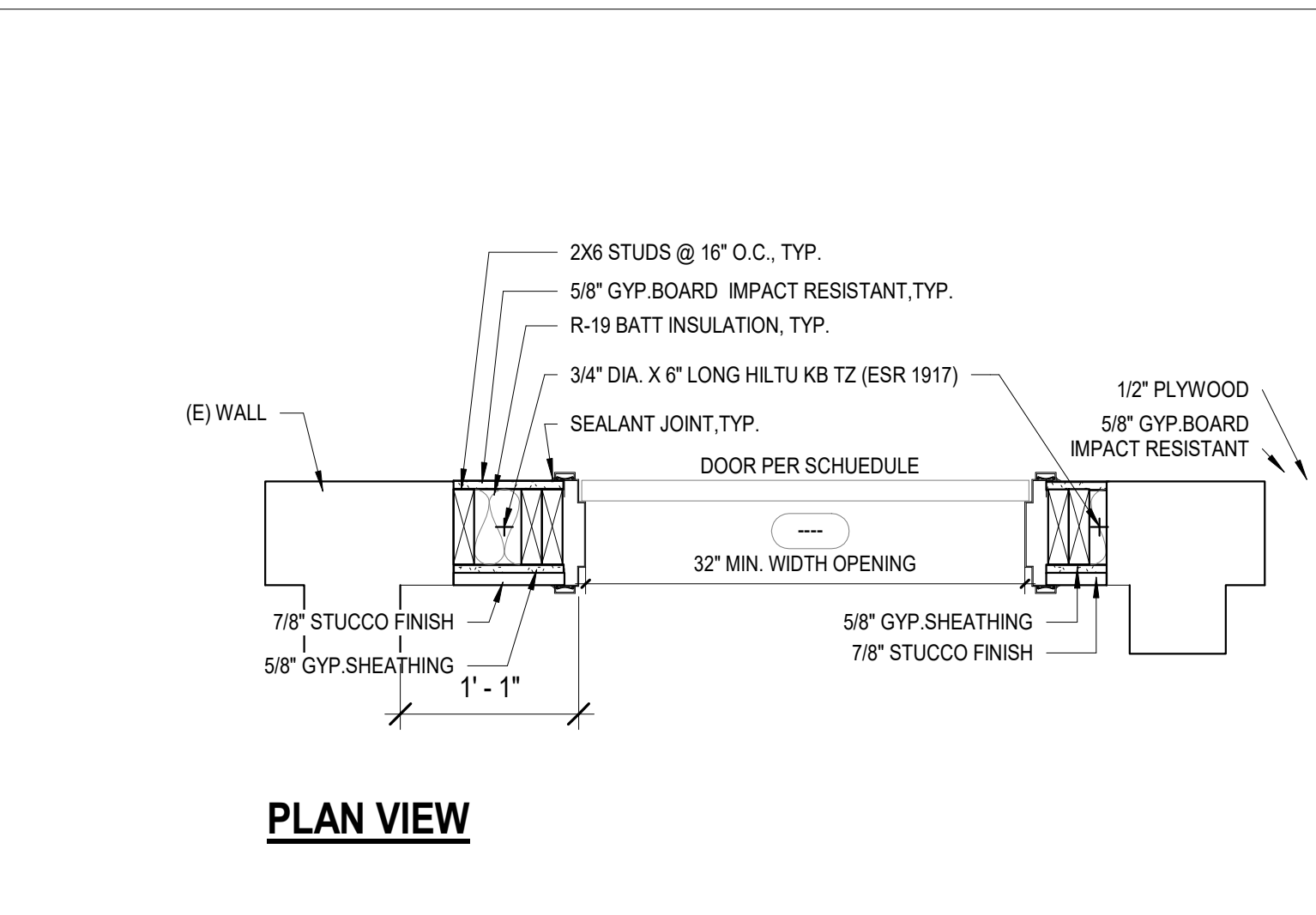
16 WING GUARD DETAIL
1" = 1'-0"



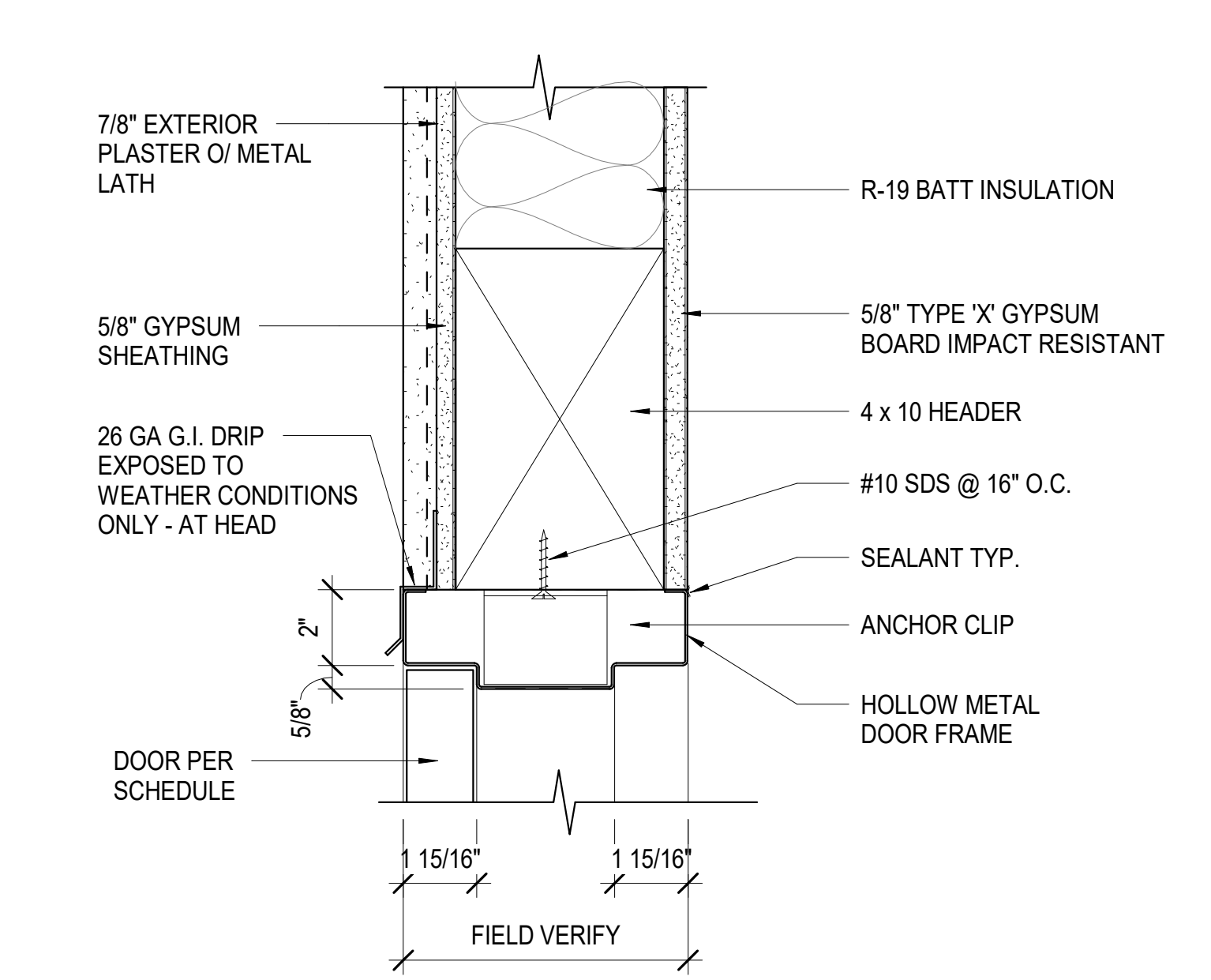
15 CLEAN OUT AT DRINKING FOUNTAIN
1/2" = 1'-0"



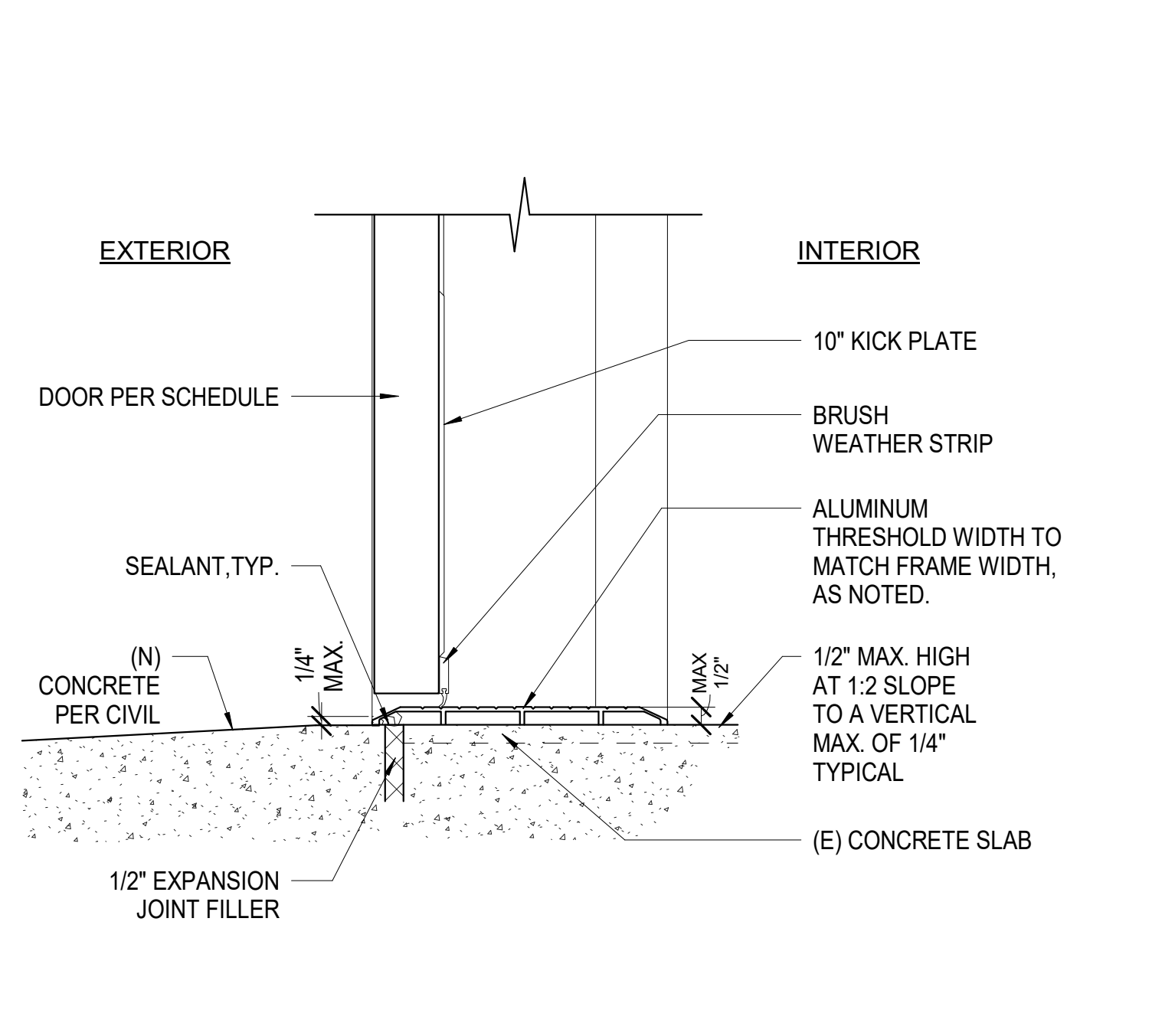
14 PROPOSED PLAN - DRINKING FOUNTAIN
1/2" = 1'-0"



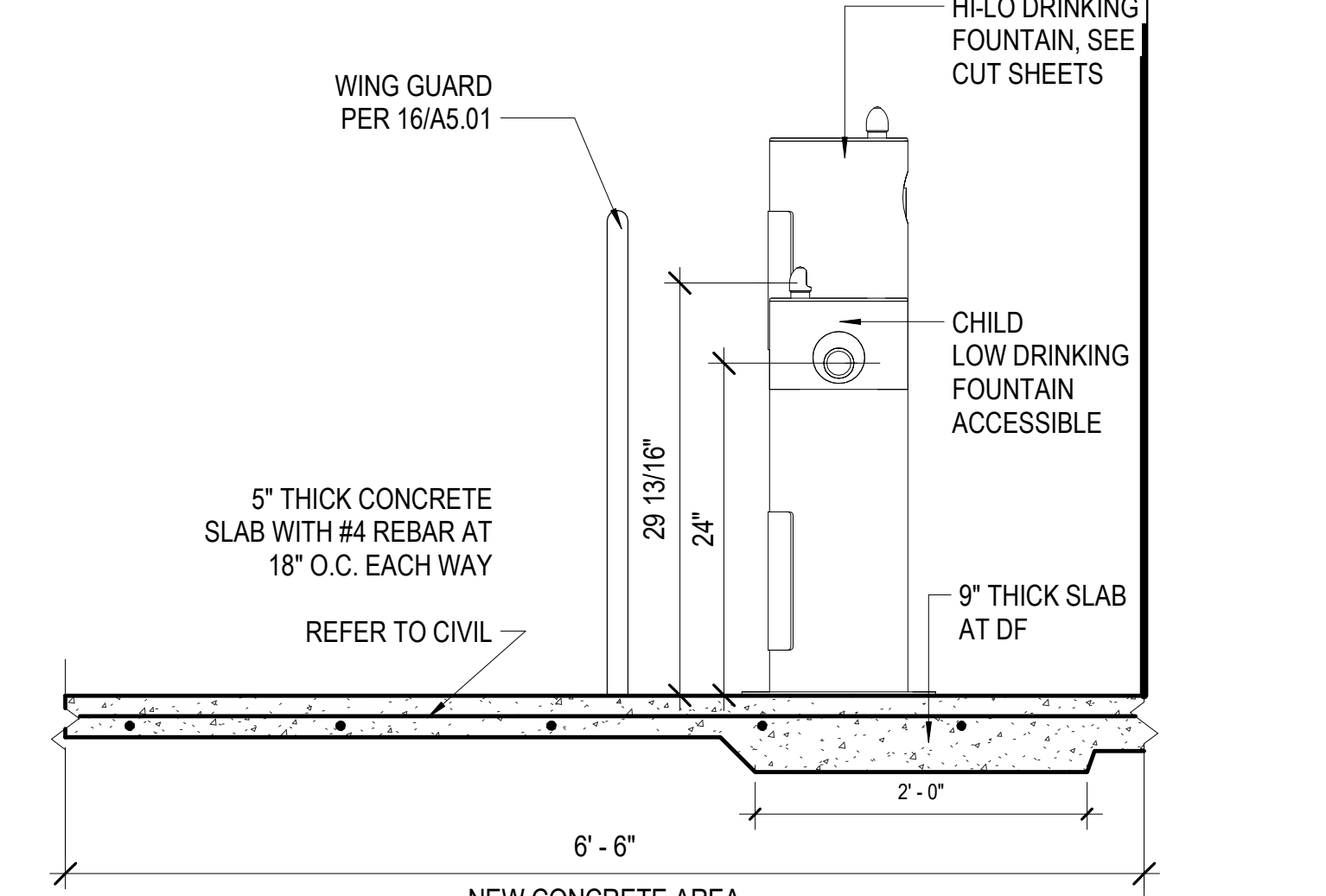
9 ENTRY DOOR PLAN DETAIL (SIM.)
1" = 1'-0"



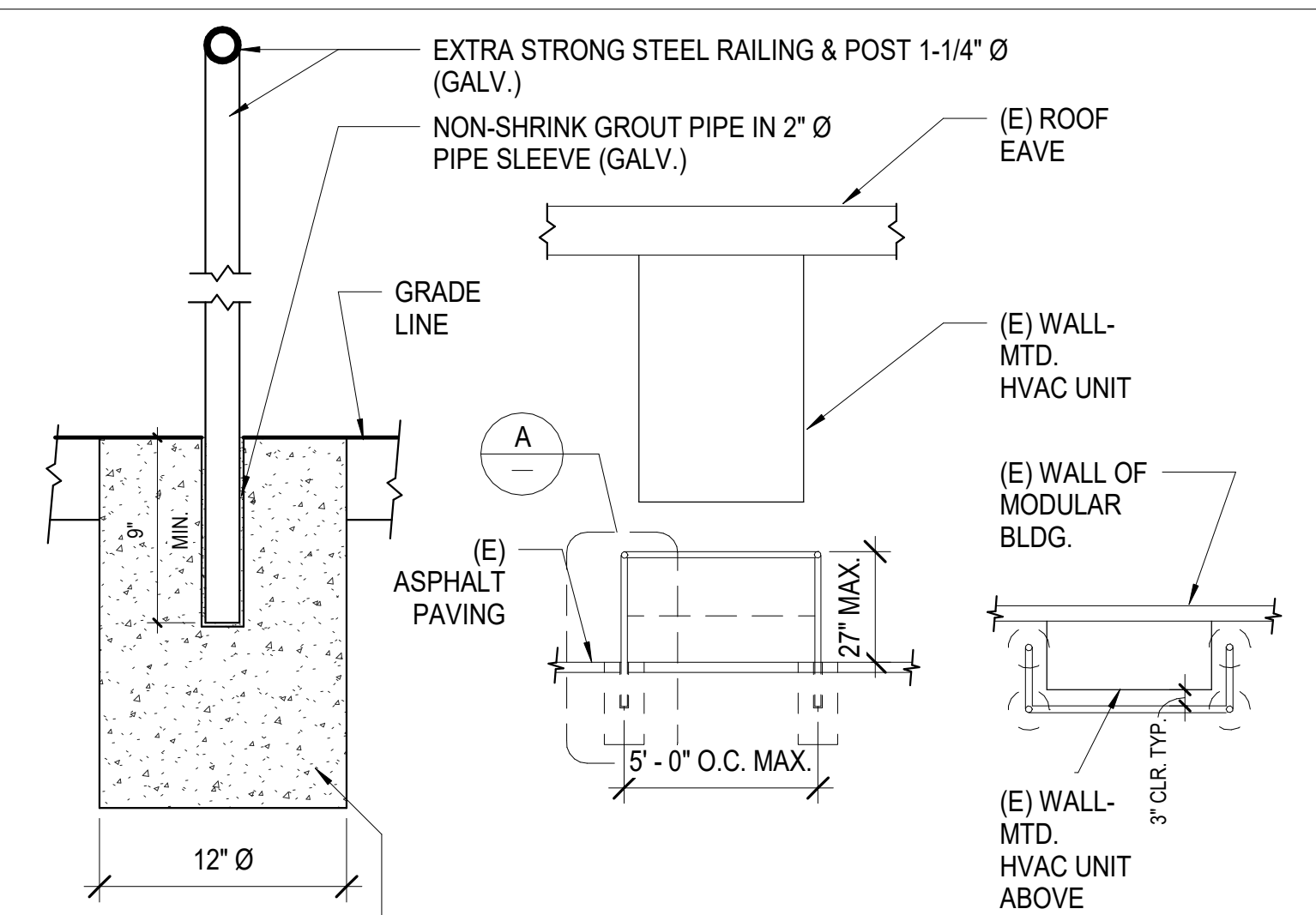
10 EXTERIOR H.M. DOOR HEAD (JAMB SIM.)
3" = 1'-0"



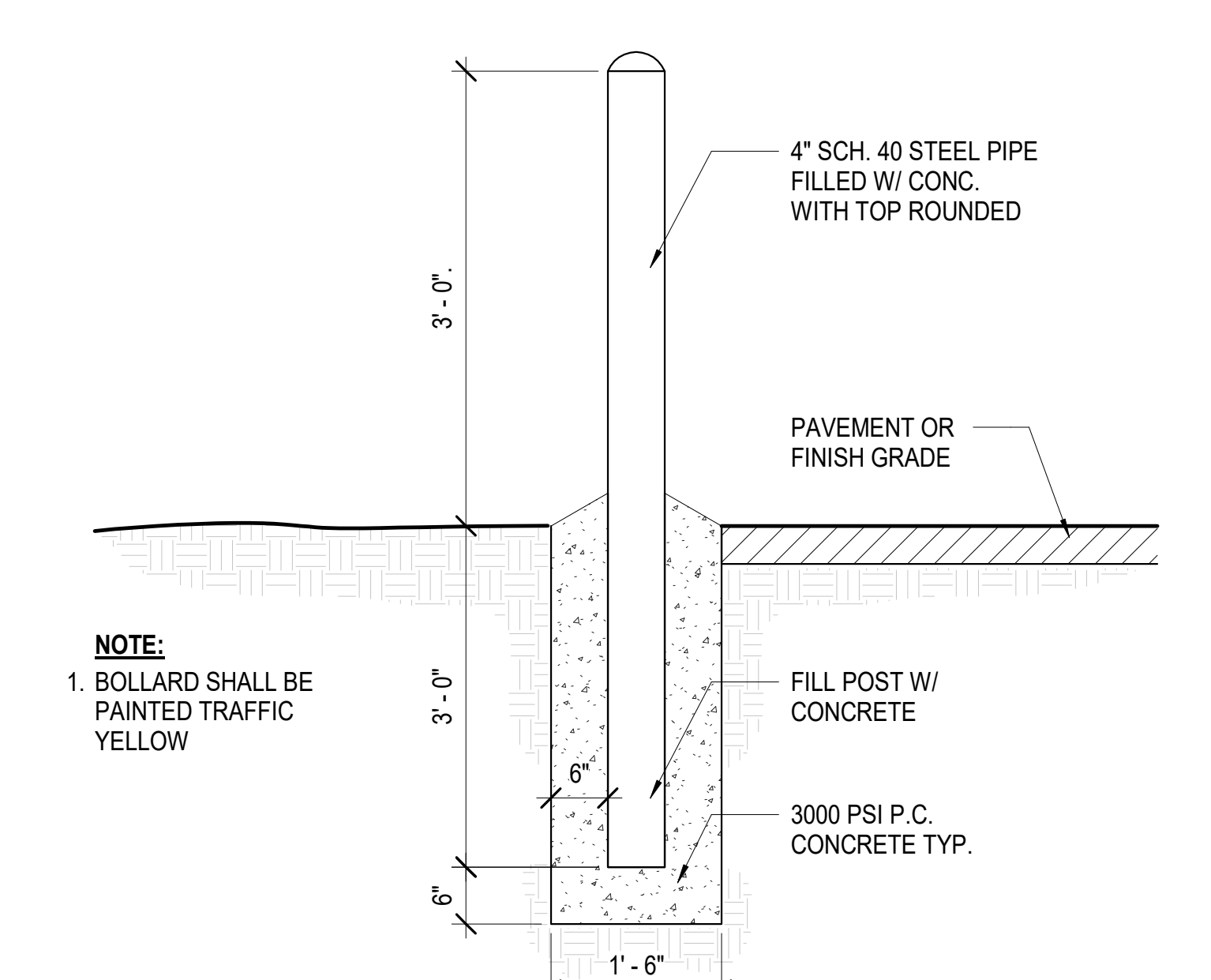
11 EXTERIOR DOOR SILL
3" = 1'-0"



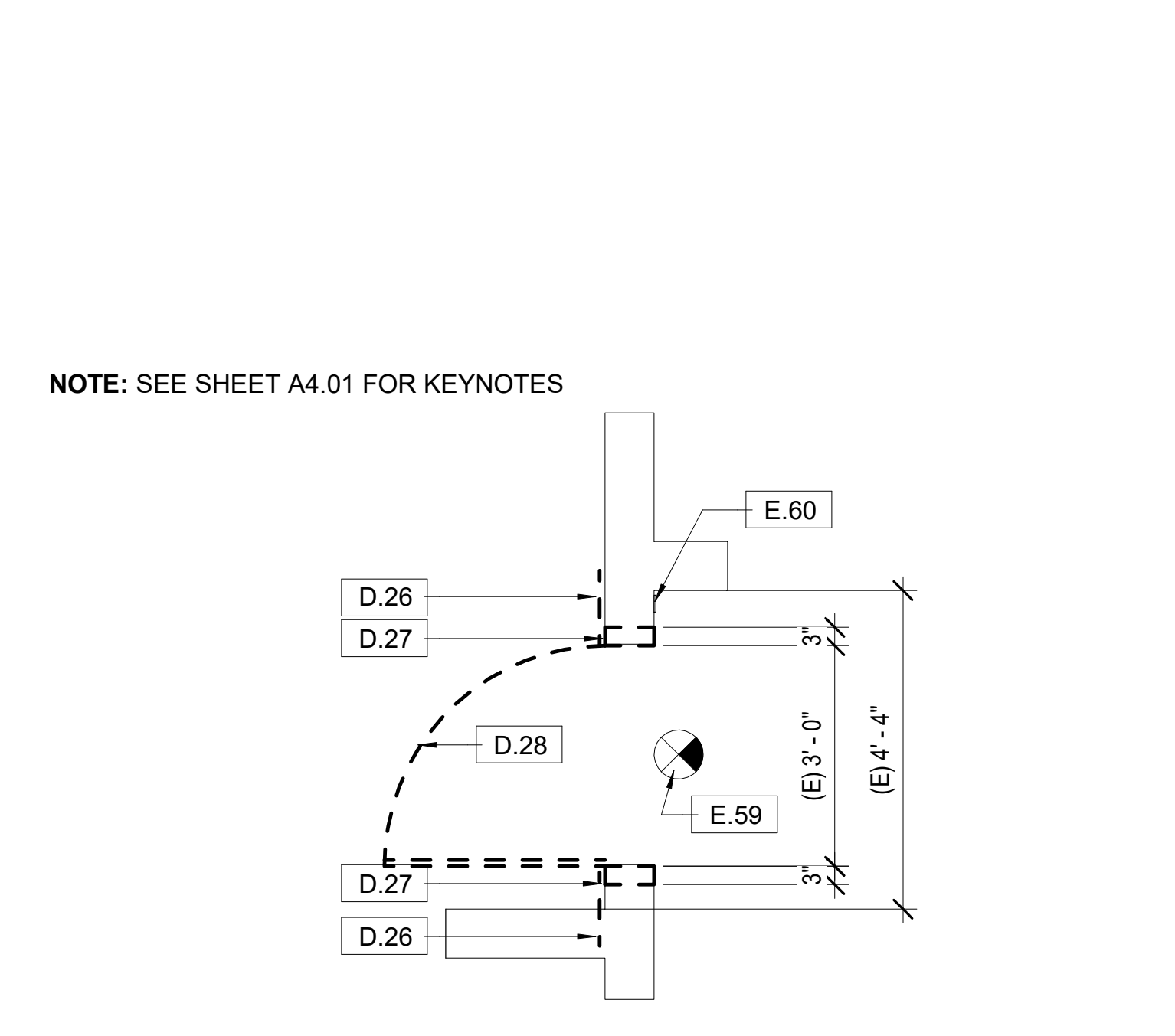
13 DRINKING FOUNTAIN DETAIL
1" = 1'-0"



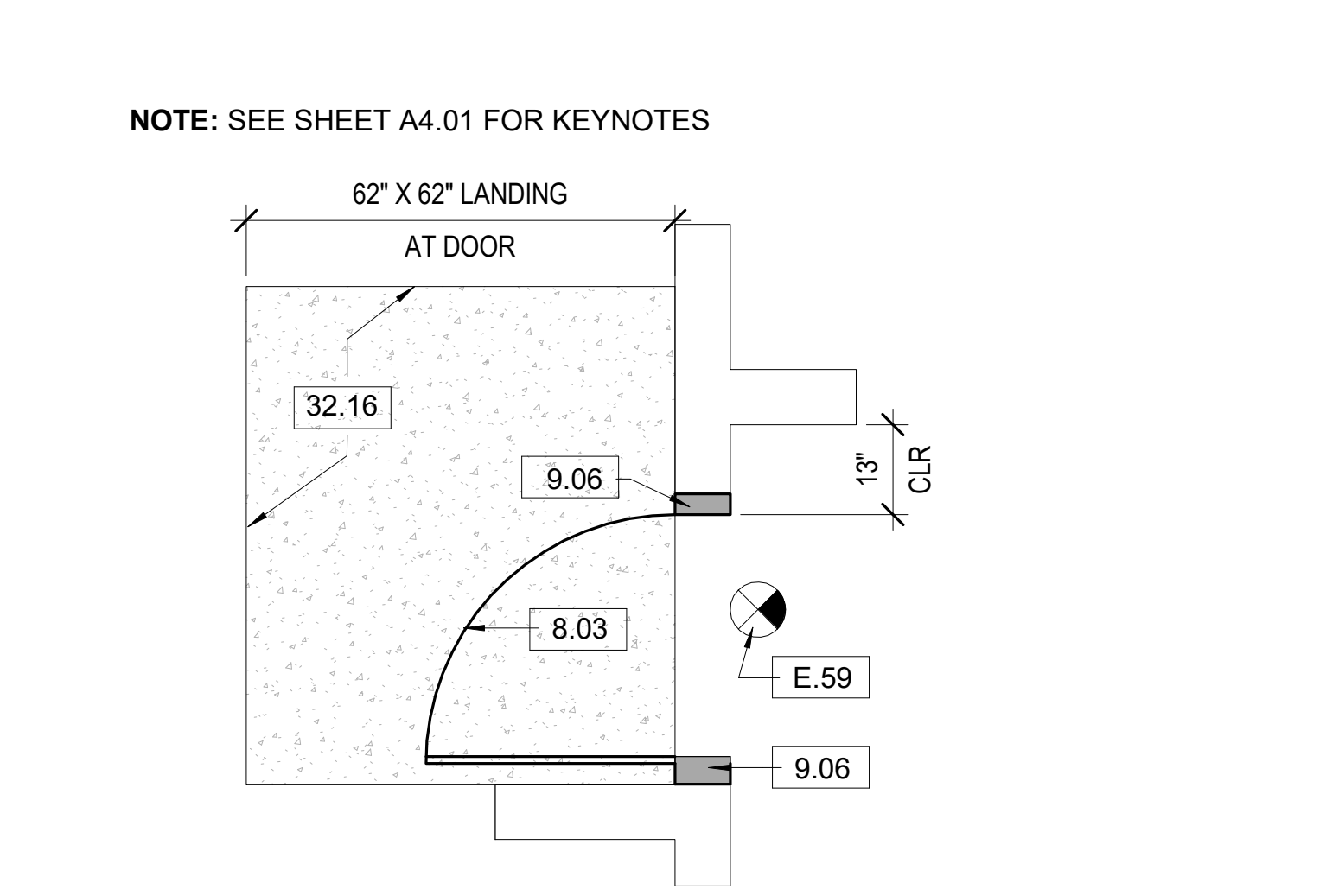
5 CANE DETECTION RAILING
1 1/2" = 1'-0"



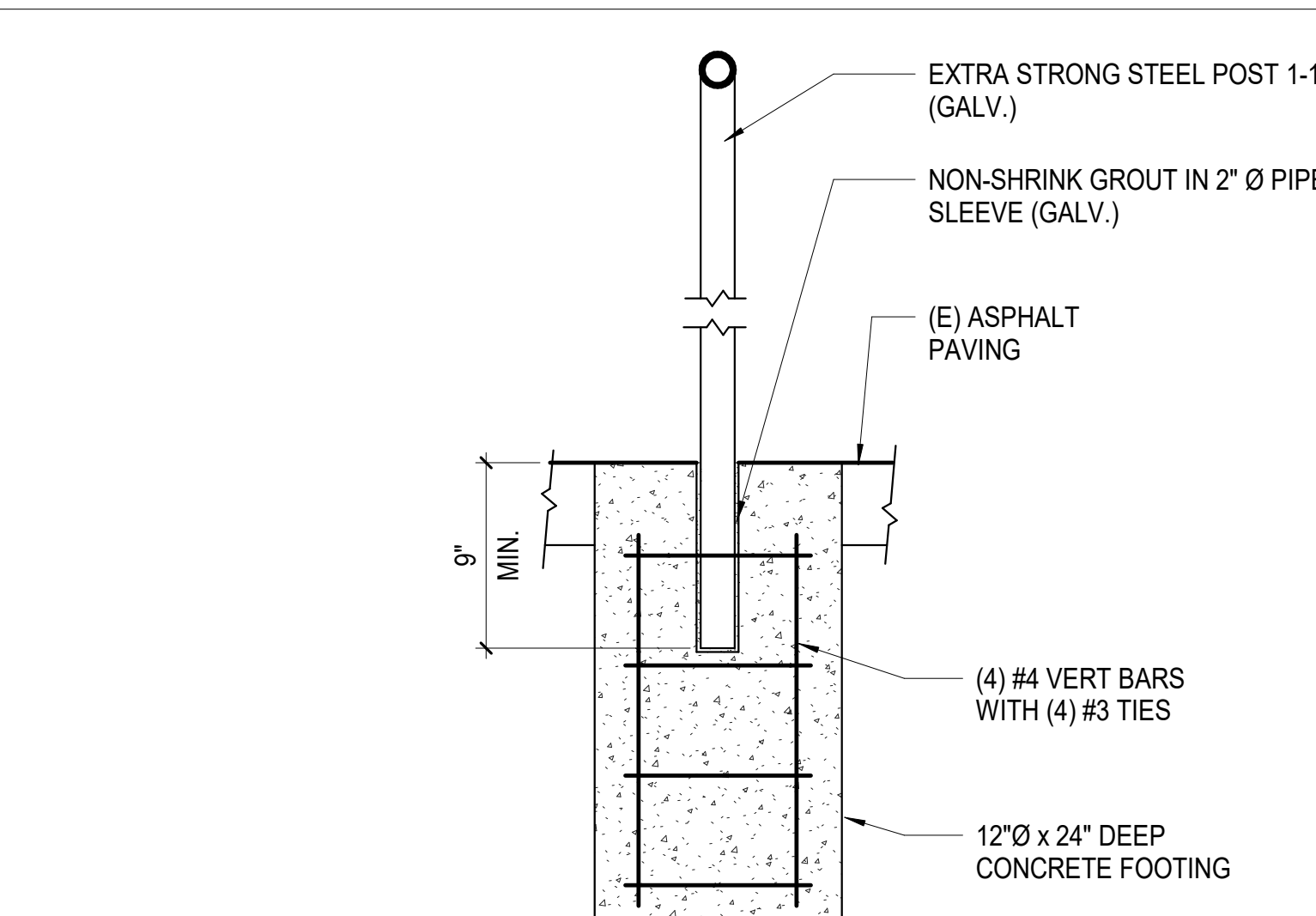
6 PIPE BOLLARD
3/4" = 1'-0"



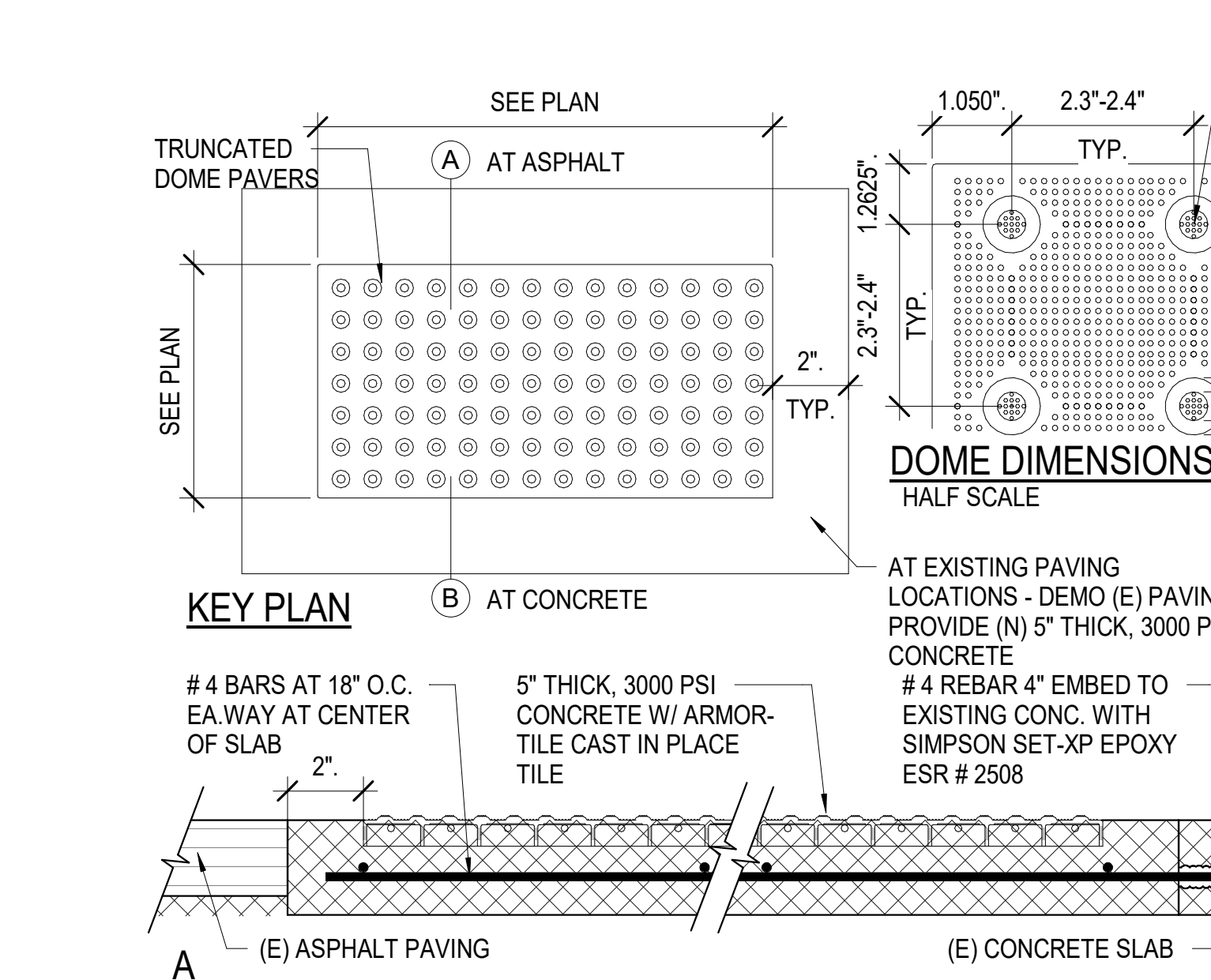
8 EXTERIOR DOOR ENTRY SOUTH - DEMOLITION
1/2" = 1'-0"



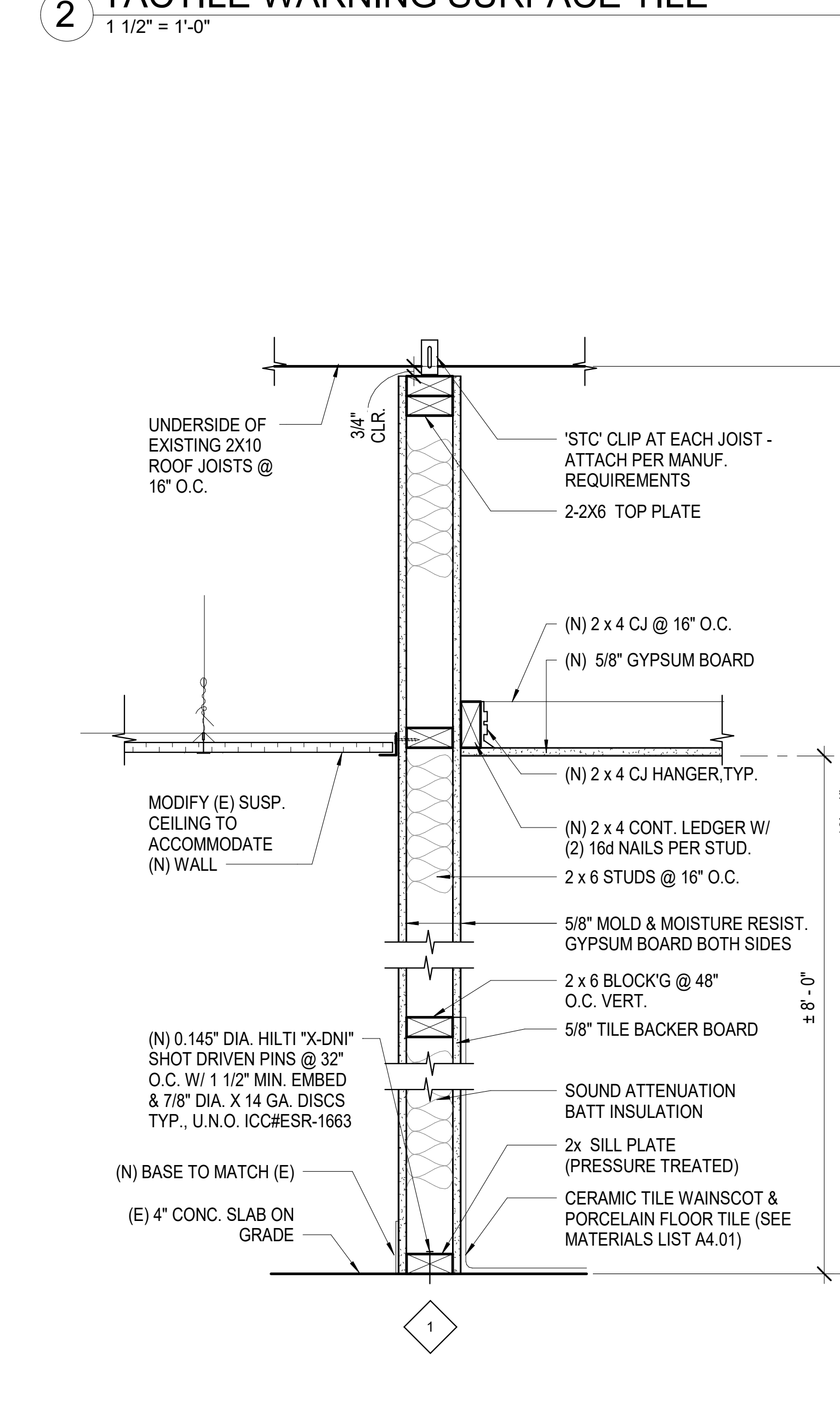
12 EXTERIOR DOOR ENTRY SOUTH - NEW CONSTRUCTION
1/2" = 1'-0"



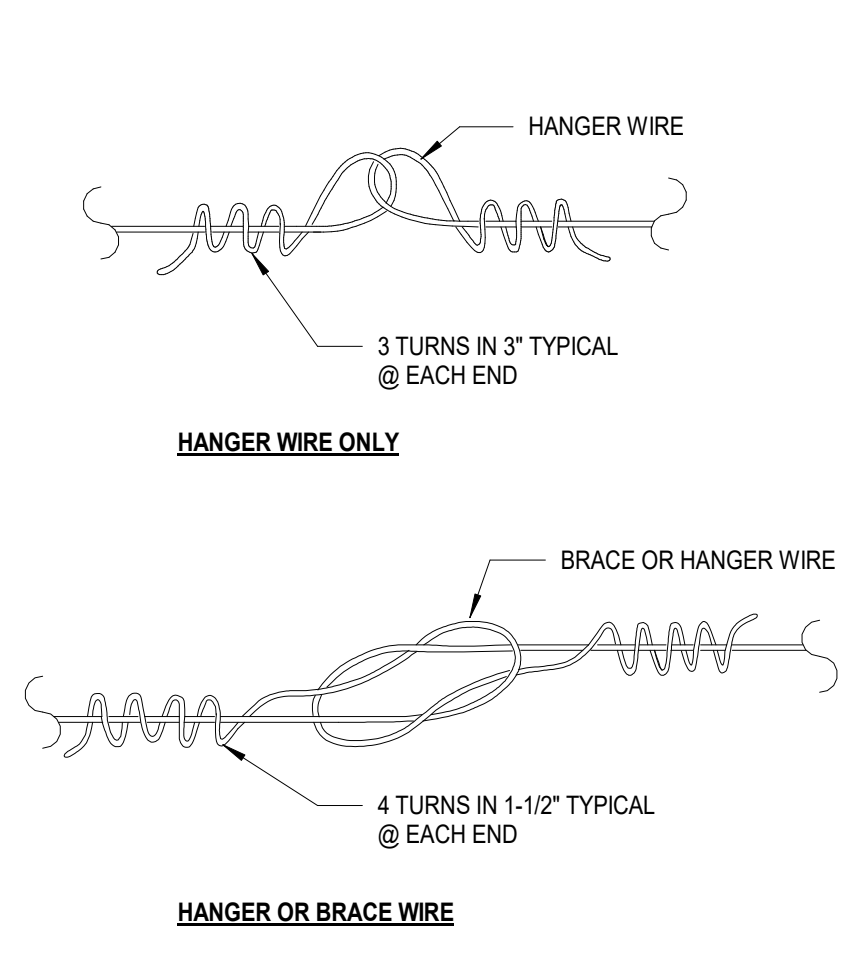
7 RAILING POST FOOTING
1 1/2" = 1'-0"



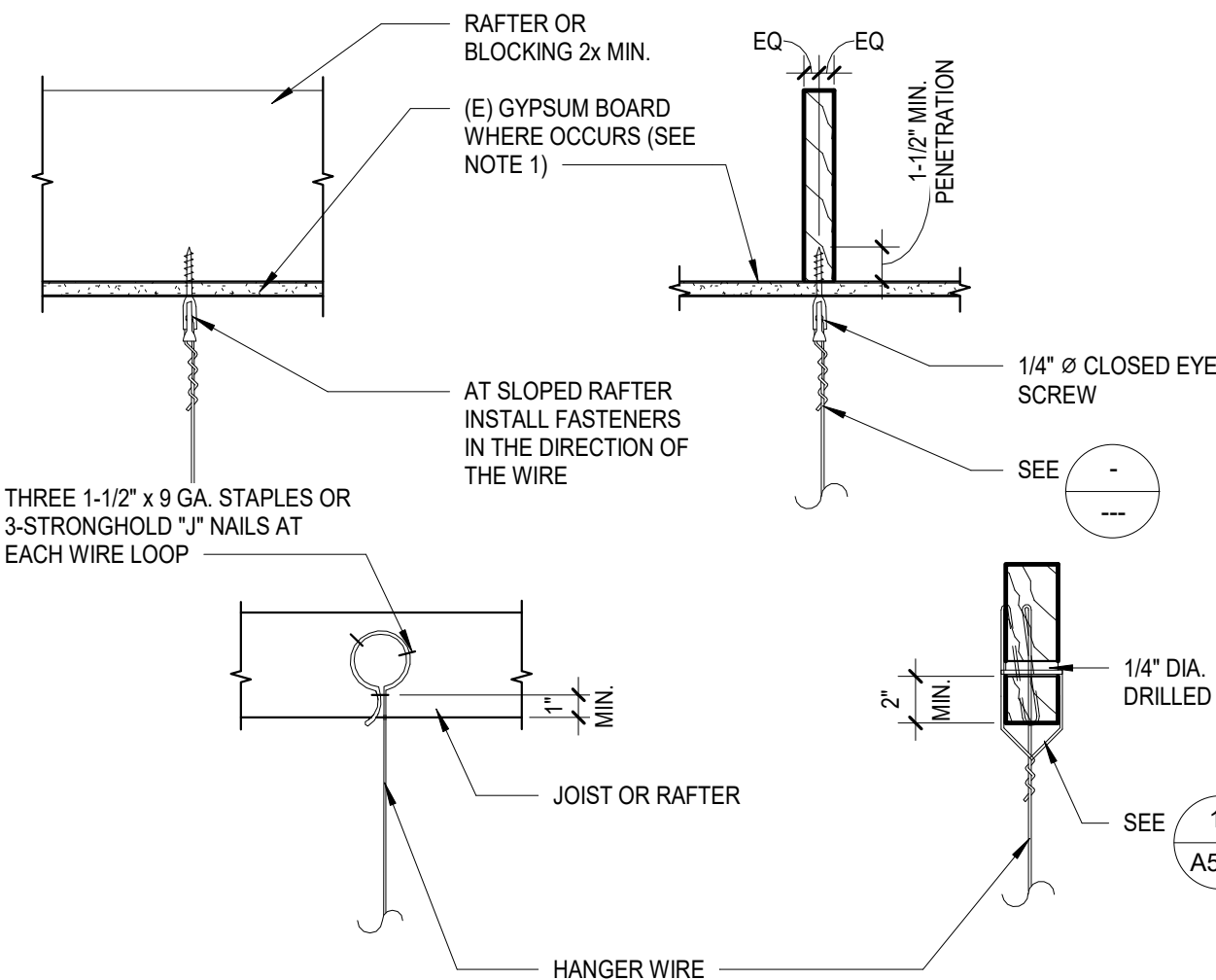
2 TACTILE WARNING SURFACE TILE
1 1/2" = 1'-0"



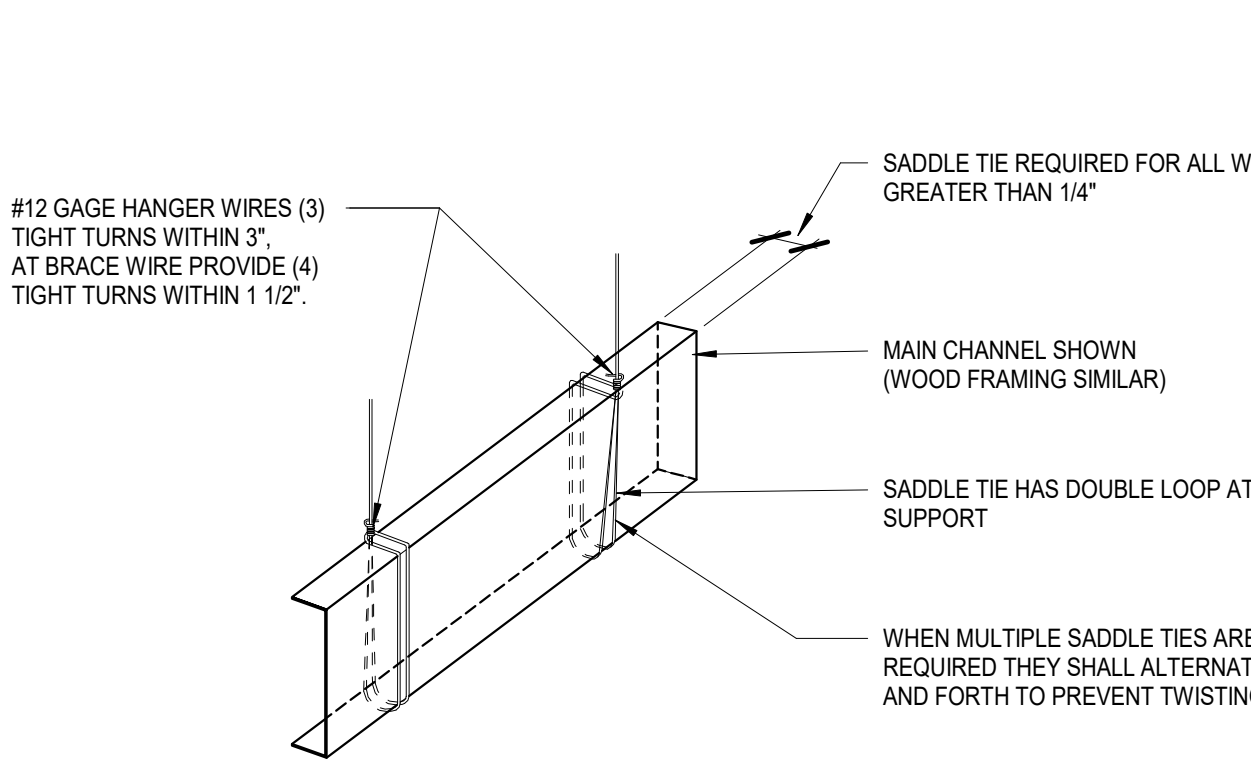
4 WALL TYPES
1 1/2" = 1'-0"



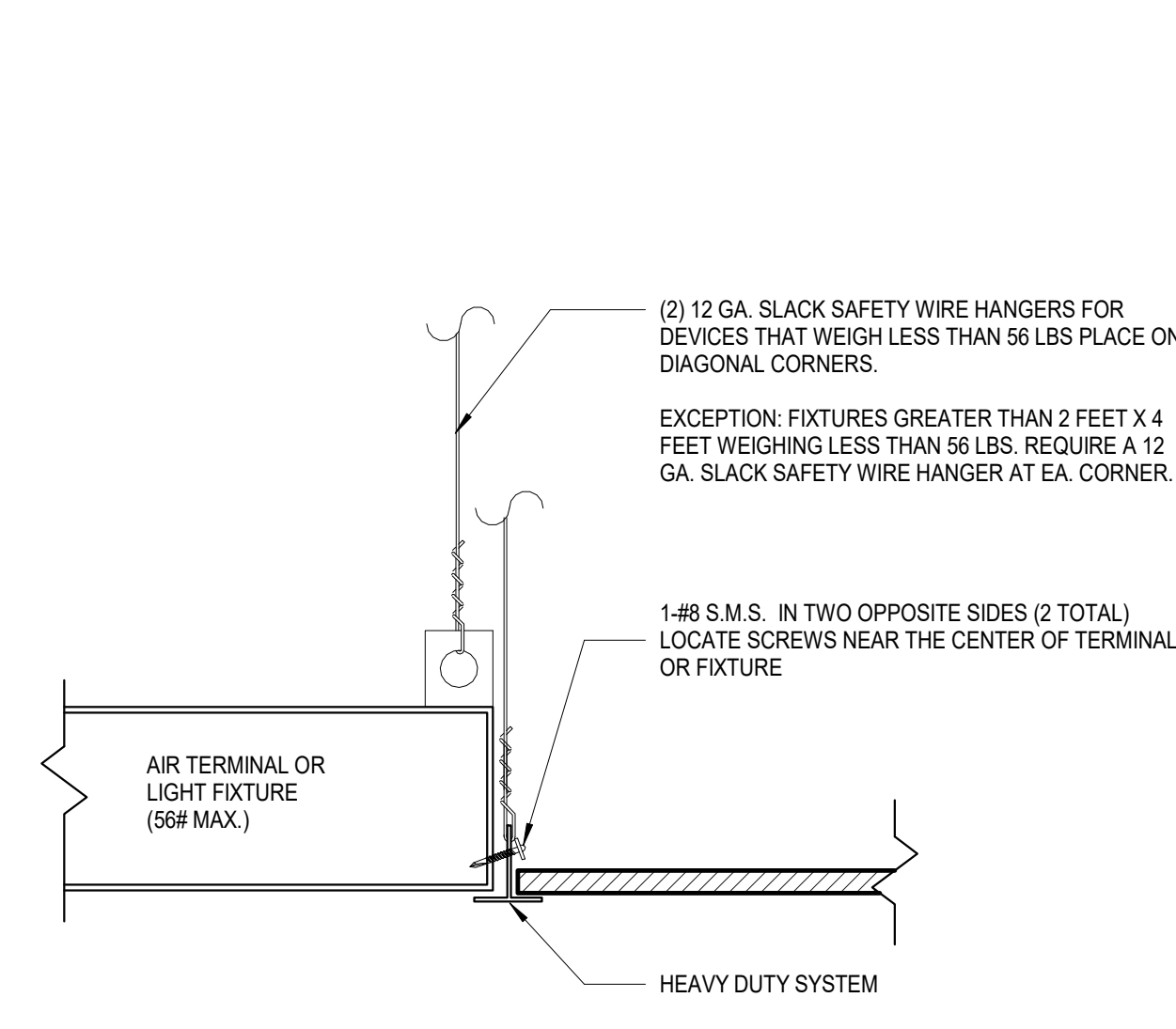
15 CEILING WIRE SPLICES
3" = 1'-0"



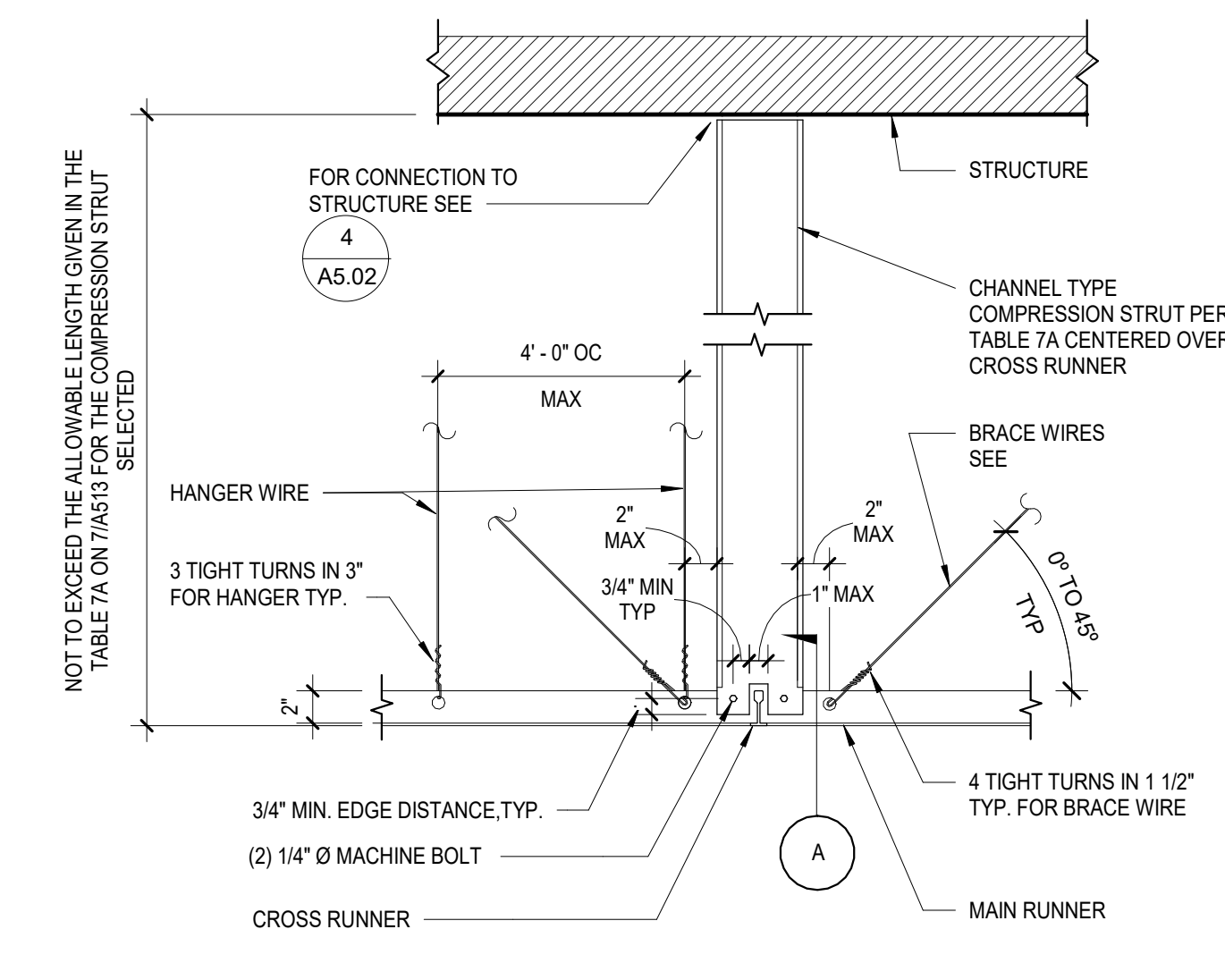
14 HANGER WIRE CONNECTION TO SAWN TIMBER
1 1/2" = 1'-0"



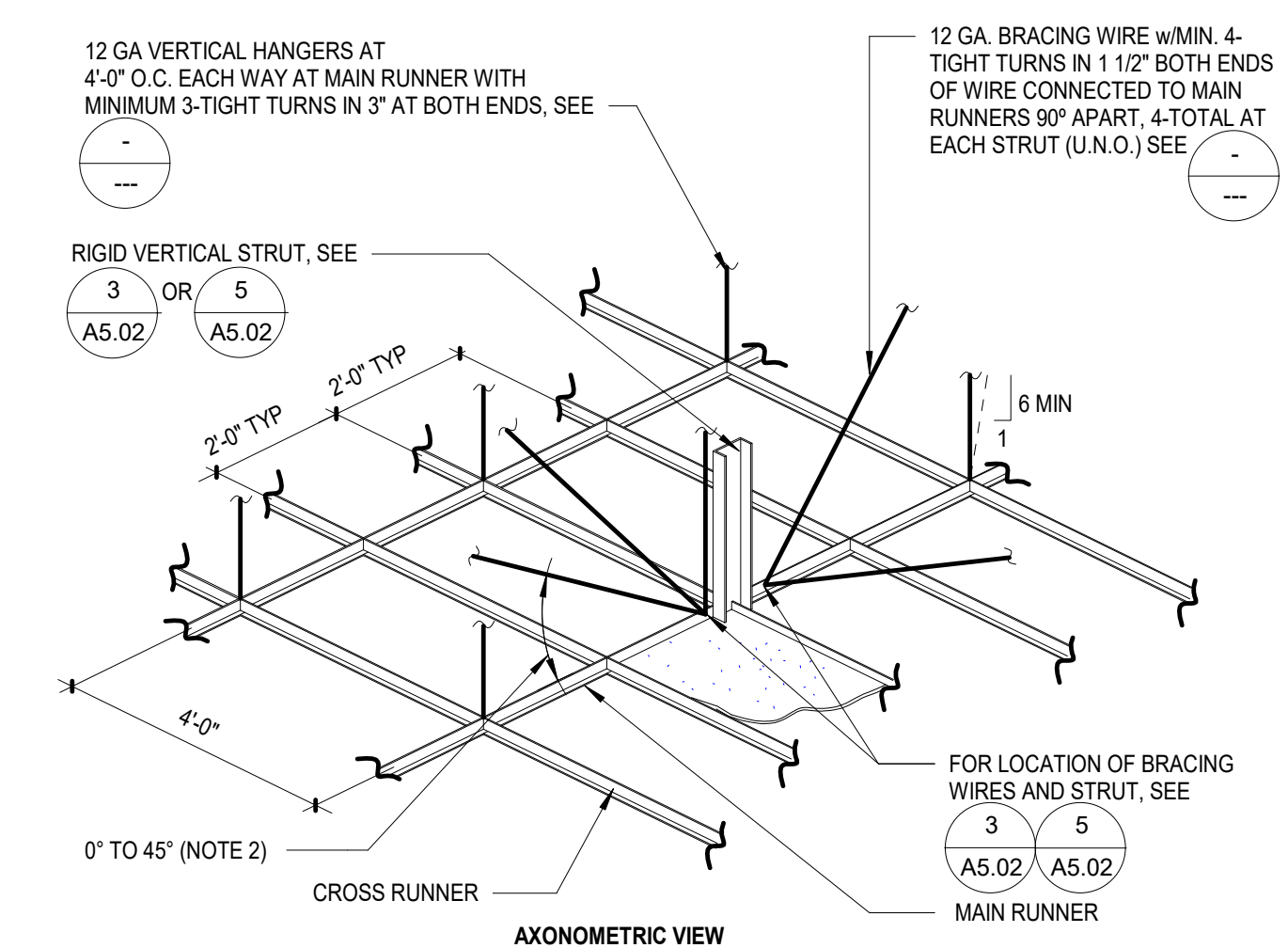
11 TYPICAL SADDLE TIE DETAIL
NTS



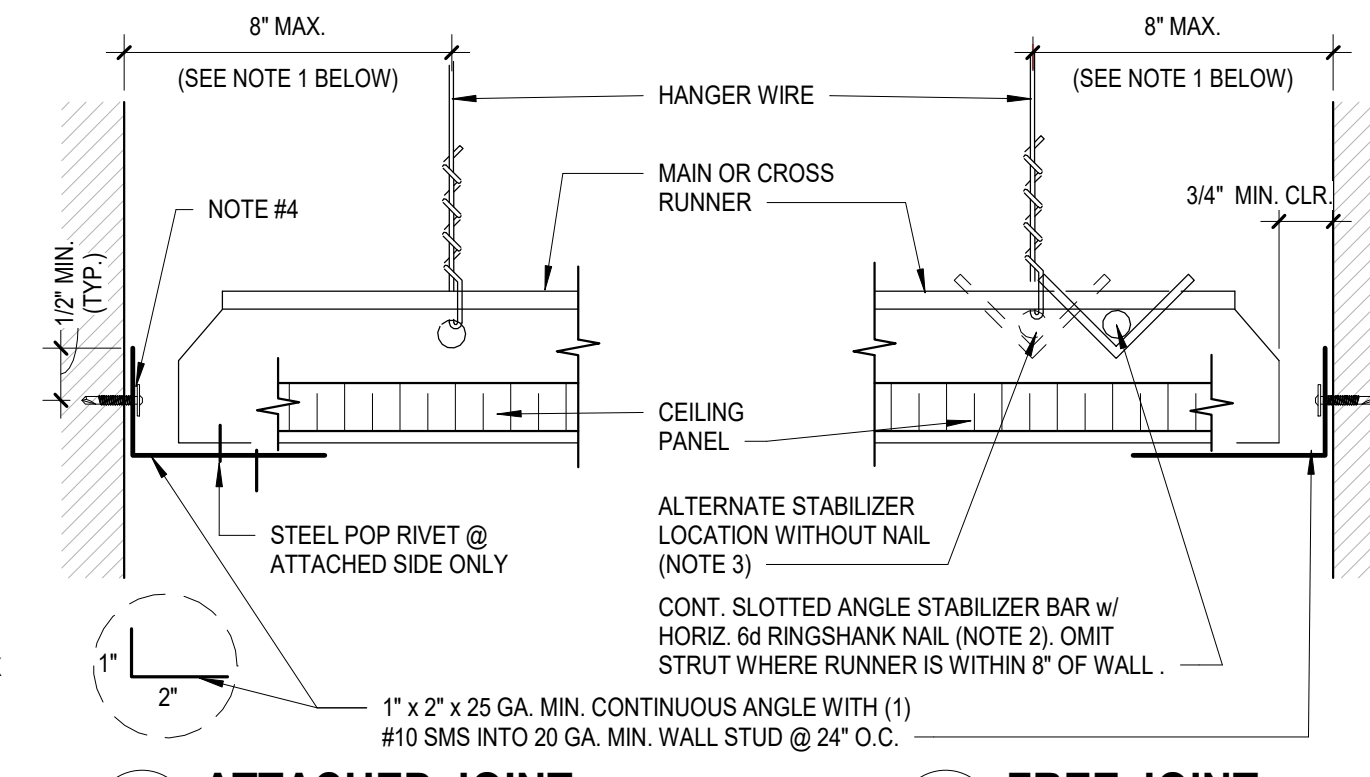
12 LIGHT FIXTURE/ DEVICE SUPPORT
3" = 1'-0"



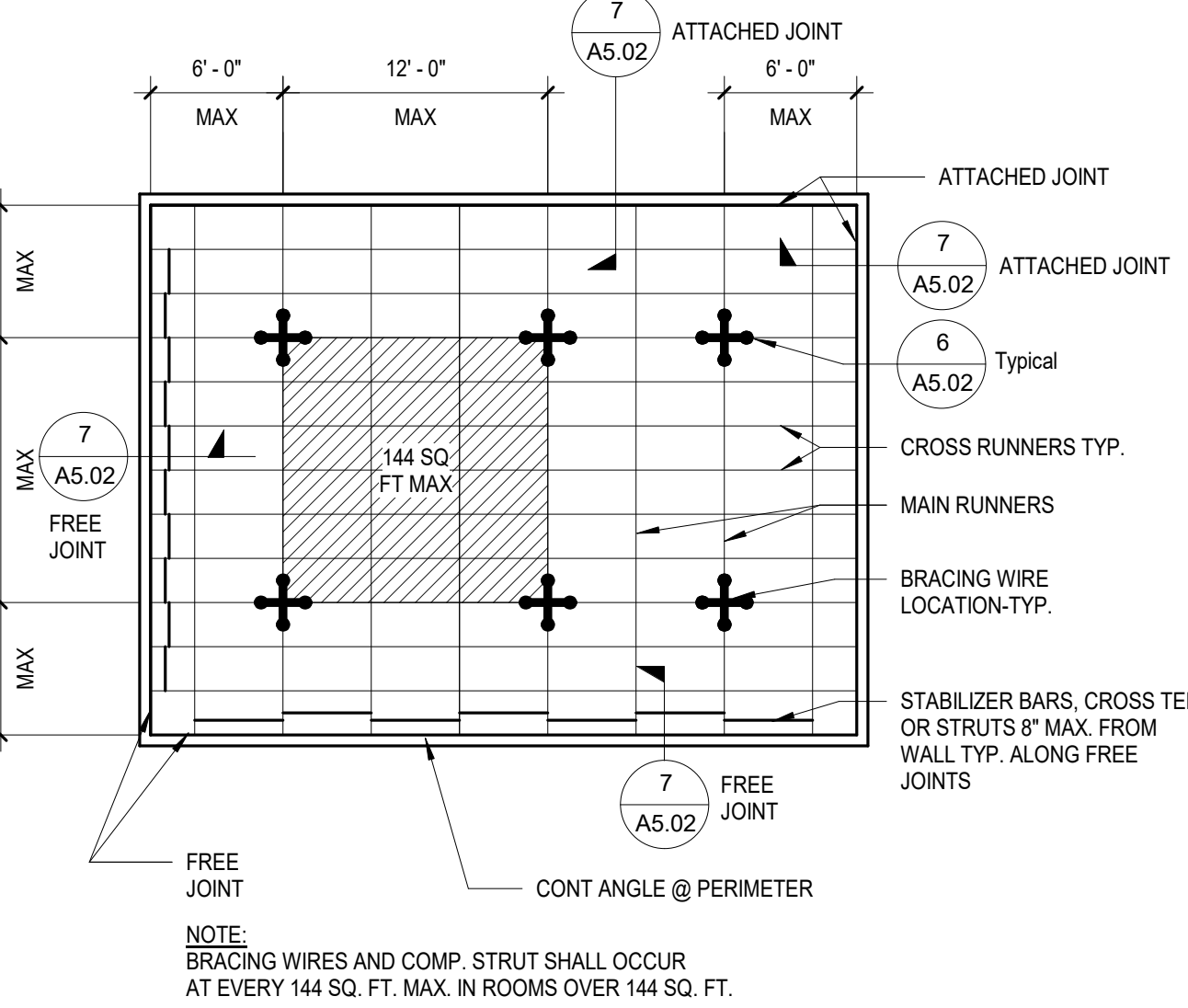
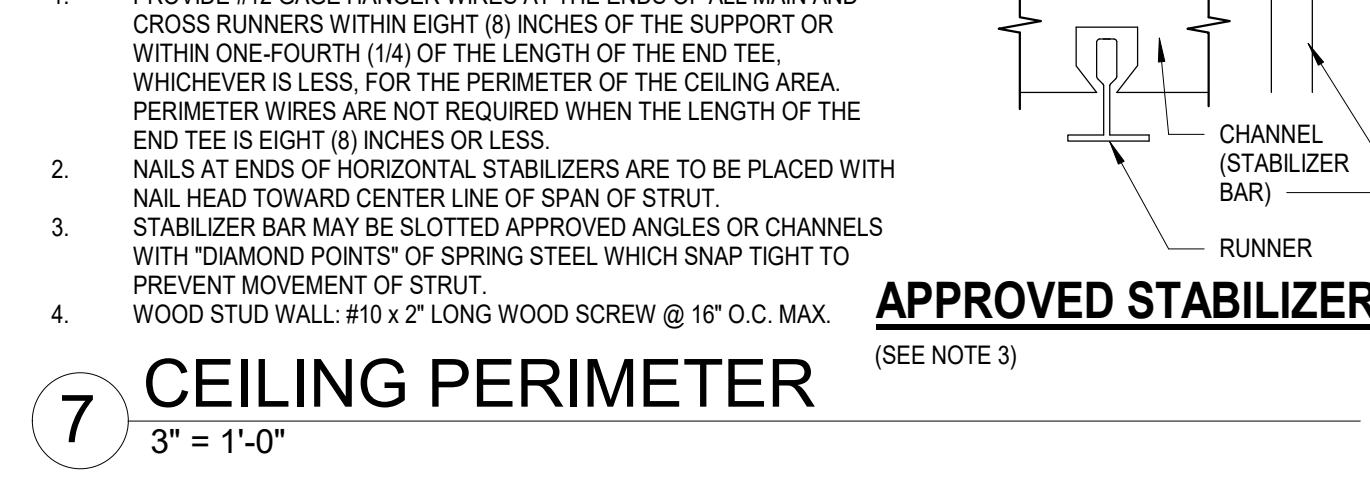
5 CHANNEL TYPE STRUT
1 1/2" = 1'-0"



6 SUSP. CLG. BRACING ASSEMBLY
3" = 1'-0"



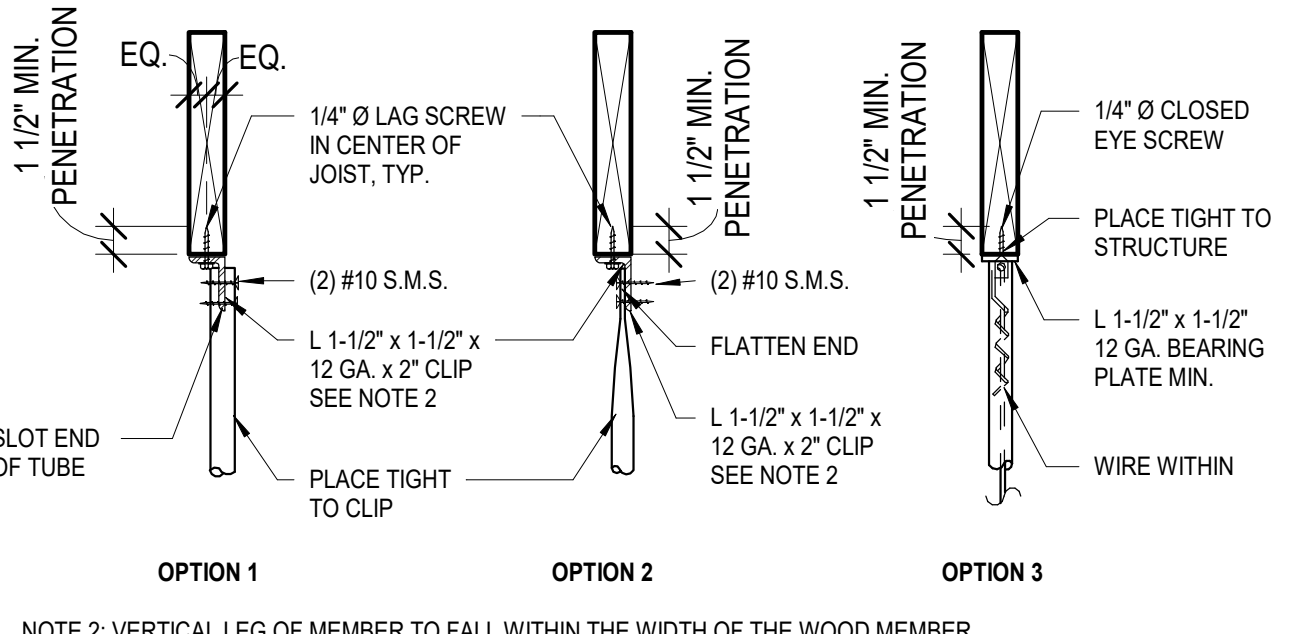
3 EMT TYPE STRUT
1 1/2" = 1'-0"



TYPICAL CEILING PLAN FOR 12' X 12' BRACE ASSEMBLY SPACING
1 1/2" = 1'-0"

TABLE 9

EMT COMPRESSION STRUT	MAX. LENGTH
1/2" DIAMETER EMT (0.042" WALL THICKNESS)	3' - 11"
3/4" DIAMETER EMT (0.049" WALL THICKNESS)	6' - 4"
1" DIAMETER EMT (0.057" WALL THICKNESS)	9' - 9"
1 1/4" DIAMETER EMT (0.065" WALL THICKNESS)	12' - 9"
1 1/2" DIAMETER EMT (0.065" WALL THICKNESS)	14' - 9"
2" DIAMETER EMT (0.065" WALL THICKNESS)	18' - 10"



2 TUBE STRUT (TOP CONNECTION)
1 1/2" = 1'-0"

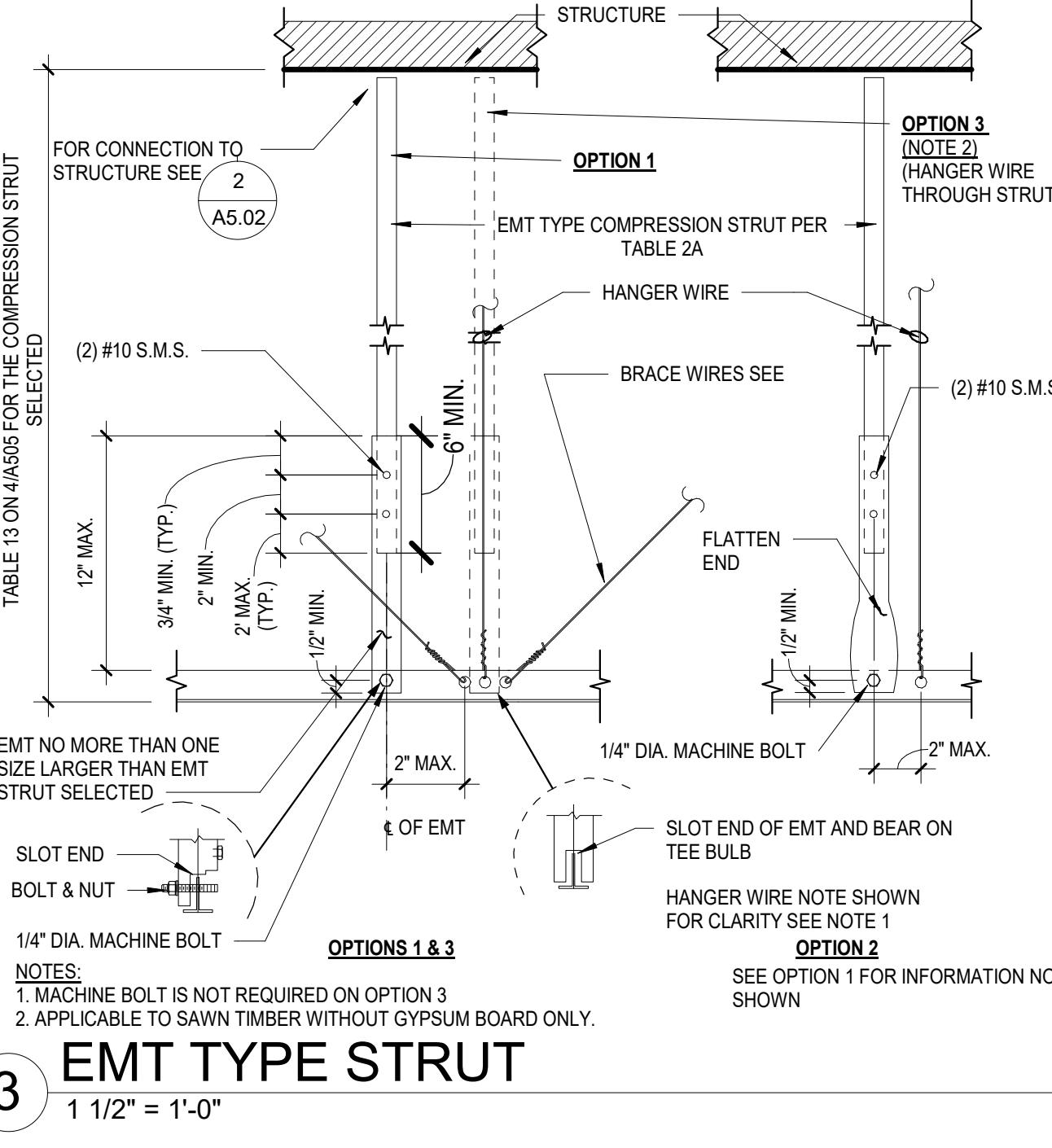
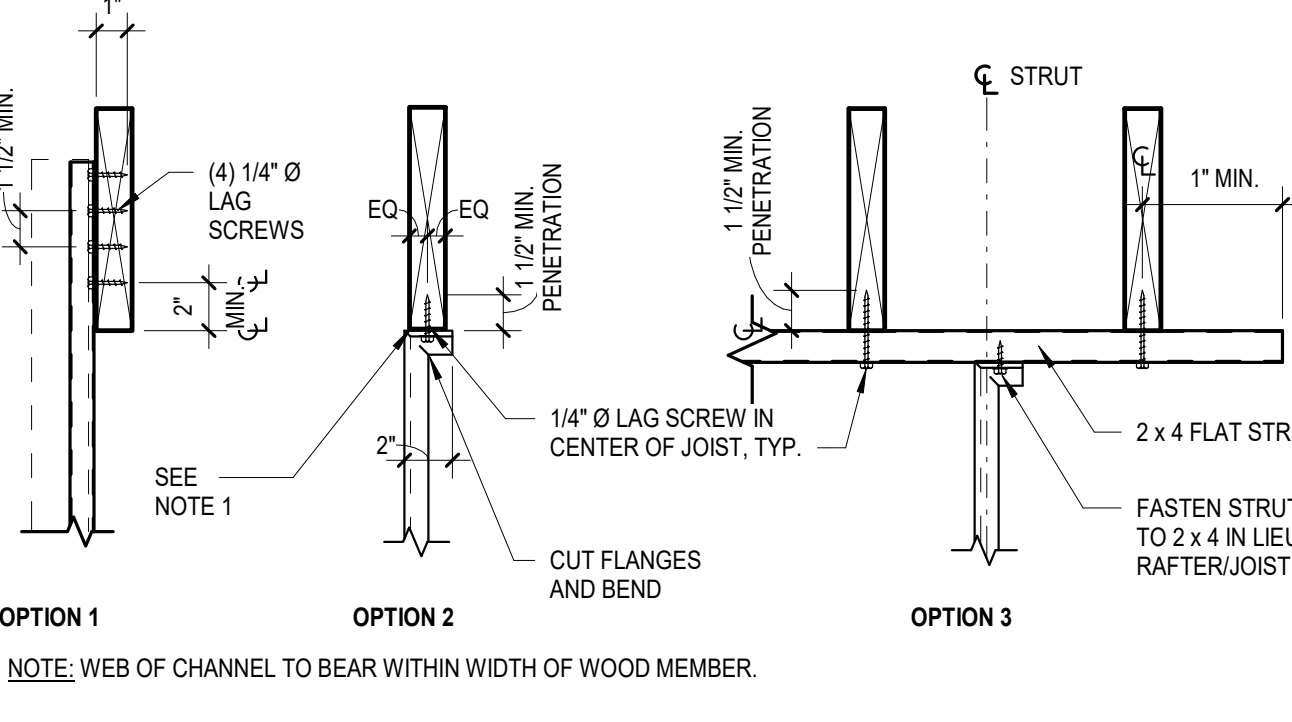
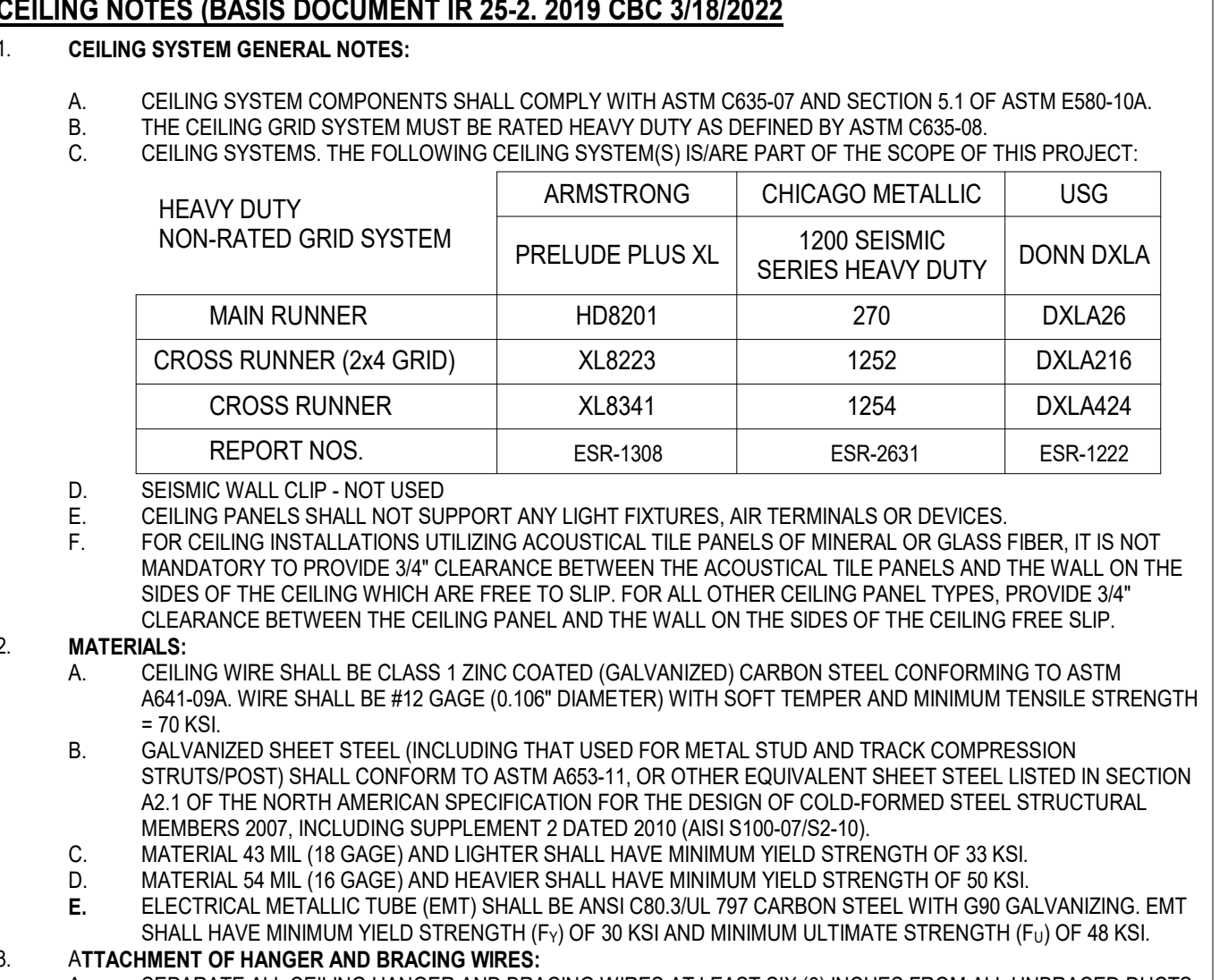


TABLE 13

CHANNEL COMPRESSION STRUT	MAX. LENGTH
250S125-33	5' - 10"
250S137-33	6' - 10"
362S137-33	8' - 0"
250137-43	8' - 10"
400S137-43	10' - 10"



4 CHANNEL STRUT (TOP CONNECTION)
1 1/2" = 1'-0"



CEILING NOTES (BASIS DOCUMENT IR 25-2, 2019 CBC 3/18/2022)

CEILING SYSTEM GENERAL NOTES:

- CEILING SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635-07 AND SECTION 5.1 OF ASTM E580-10A. THE CEILING GRID SYSTEM MUST BE RATED HEAVY DUTY AS DEFINED BY ASTM C635-06.
- CEILING SYSTEMS, THE FOLLOWING CEILING SYSTEM(S) IS/ARE PART OF THE SCOPE OF THIS PROJECT:

HEAVY DUTY NON-RATED GRID SYSTEM	ARMSTRONG PRELUDE PLUS XL	CHICAGO METALLIC SERIES HEAVY DUTY	USG DONN DXLA
MAIN RUNNER	HD201	270	DXLA26
CROSS RUNNER (2x4 GRID)	XL8223	1252	DXLA216
CROSS RUNNER	XL8341	1254	DXLA424
REPORT NOS.	ESR-1308	ESR-2631	ESR-1222

TABLE 1

LATERAL FORCE BRACE ASSEMBLY SPACING

Design Spectral Acceleration Parameter, S _{DS}	z/h ≤ 0.5 a,b	z/h > 0.5 a,b
S _{DS} ≤ 1.15	12 x 12	12 x 12
1.15 < S _{DS} ≤ 1.73	12 x 12	8 x 12
S _{DS} > 1.73	8 x 12	8 x 8

FOOTNOTES:
A. WHERE AS DEFINED IN ASCE 7, SECTION 13.3.1:
Z = HEIGHT IN STRUCTURE OF POINT OF ATTACHMENT OF CEILING WITH RESPECT TO THE BASE.
H = AVERAGE ROOF HEIGHT OF THE STRUCTURE WITH RESPECT TO THE BASE.
IT SHALL BE PERMITTED TO USE THE CEILING ASSEMBLY SPACING FOR "Z" > 0.5" FOR THE FULL BUILDING HEIGHT.

METAL SUSPENSION SYSTEMS FOR LAY-IN PANEL CEILING:
2013 CBC (Basis Document IR 25-2, 2019 CBC 3/18/2022)

LATERAL FORCE BRACING ASSEMBLY INSTALLATION

- LATERAL FORCE BRACING ASSEMBLIES CONSISTING OF A COMPRESSION STRUT AND FOUR (4) #12 GAUGE SPREAD BRACING WIRES ORIED 90 DEGREES FROM EACH OTHER ARE REQUIRED FOR ALL CEILING AREAS.
- EXCEPTION: LATERAL FORCE BRACING MAY BE OMITTED FOR SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA NOT TO EXCEED 144 SQUARE FEET, FOR ALL VALUES OF S_{DS}, WHEN PERIMETER SUPPORT IS PROVIDED IN ACCORDANCE WITH SECTION 2.2 OF THIS DOCUMENT AND PERIMETER WALLS ARE DESIGNED TO CARRY THE CEILING LATERAL FORCES.
- LATERAL FORCE BRACING ASSEMBLIES SHALL BE SPACED PER TABLE 1 FOR ALL VALUES OF THE COMPONENT IMPORTANCE FACTOR (I_p) OF THE CEILING.
- THERE SHALL BE A BRACE ASSEMBLY A DISTANCE OF NOT MORE THAN ONE-HALF (1/2) OF THE ABOVE SPACING FROM EACH SURROUNDING WALL, EXPANSION JOINT AND AT THE EDGES OF ANY CEILING VERTICAL OFFSET. FOR EXAMPLE, WHERE THE BRACE SPACING IS 8' X 12', THE EDGE DISTANCE SHALL BE A FEET IN THE DIRECTION OF THE 8 FOOT SPACING AND 6 FEET IN THE DIRECTION OF THE 12 FOOT SPACING.
- THE SLOPE OF BRACING WIRES SHALL NOT EXCEED 45 DEGREES FROM THE HORIZONTAL PLANE AND WIRES SHALL BE TAUT. SPLICES IN BRACING WIRES SHALL DEVELOP THE WIRE ALLOWABLE LOAD.
- COMPRESSION STRUTS SHALL MEET THE FOLLOWING REQUIREMENTS:
 - THE STRUT SHALL BE SIZED TO ADEQUATELY RESIST THE VERTICAL COMPONENT FORCE INDUCED BY THE CEILING BRACING WIRES AND HAVE A MAXIMUM KL/R NOT TO EXCEED 300. THE STRUTS LISTED IN APPENDIX A MEET THIS REQUIREMENT FOR CEILING COMPLIING WITH THE GENERAL REQUIREMENTS OF THIS DOCUMENT.
 - THE STRUT SHALL BE NOT MORE THAN ONE (HORIZONTAL) IN SIX (VERTICAL) OUT OF PLUMB.

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
DATE: 04/19/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
OXNARD VENTURA

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
4667 TELEGRAPH RD.
VENTURA, CA 93003

COMMISSIONED ARCHITECT

AMADOR

2828 AGUIRRA RD. 201 | AGUIRRA HILLS CA 93011 | 800-504-6234

CONSULTANT

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

CEILING NOTES AND DETAILS

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
DRAWN: MC CHECKED: JA
SHEET NUMBER:

A5.02

DATE: 11/29/2022 SHEET: OF

GENERAL DOOR NOTES

- SCHEDULE DOORS AND FRAMES SHALL BE PRIMED AND PAINTED SEMI-GLOSS.
- REFER TO FLOOR PLANS FOR LOCATIONS OF SIGNAGE, AND SHEET A7.01 FOR SIGNAGE DETAILS. SIGNS SHALL BE INSTALLED ADJACENT TO DOORS UNLESS NOTED OTHERWISE.
- ALL DOORS SHALL BE PROVIDED WITH MINIMUM 32" CLEAR WIDTH.

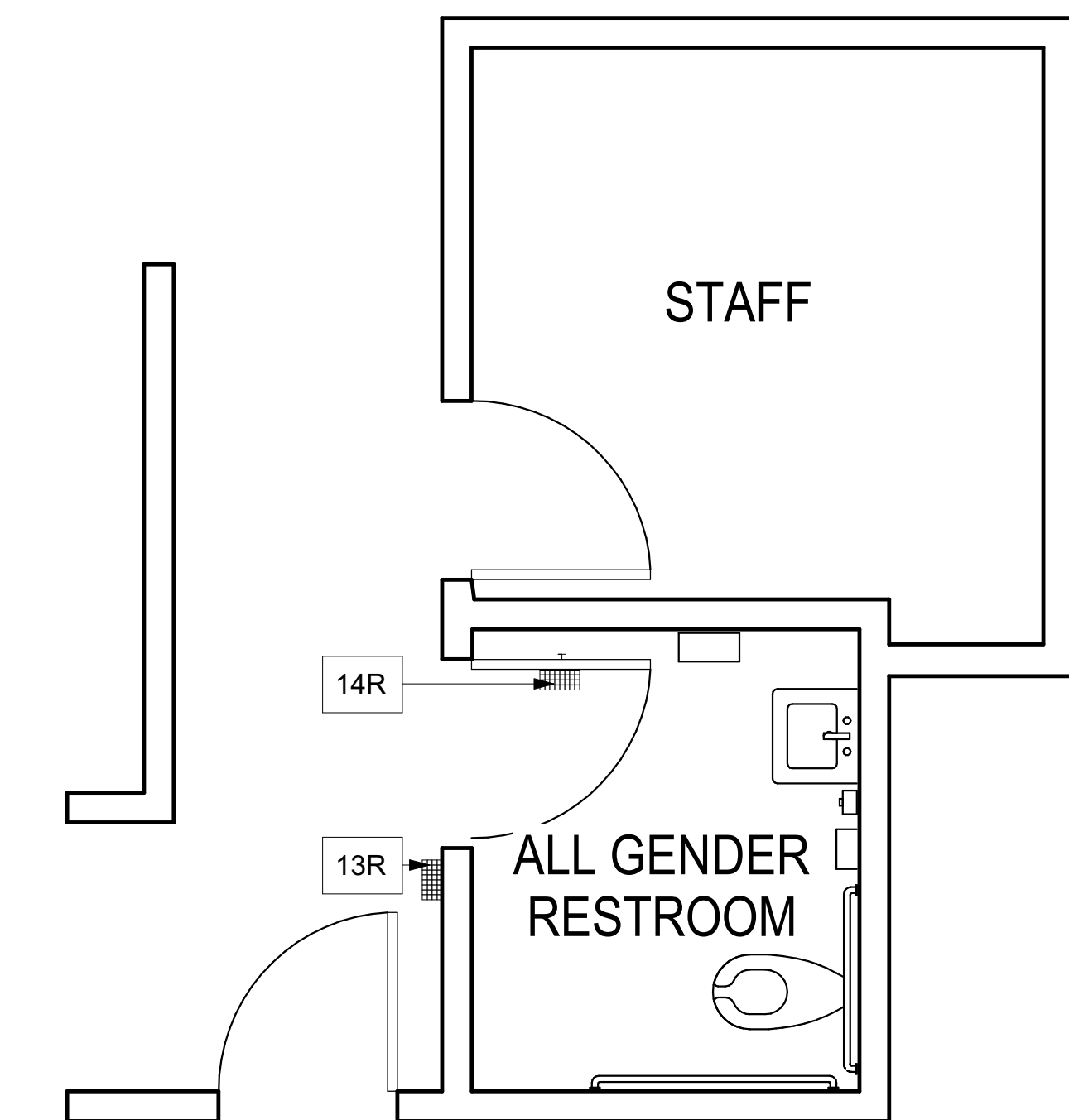
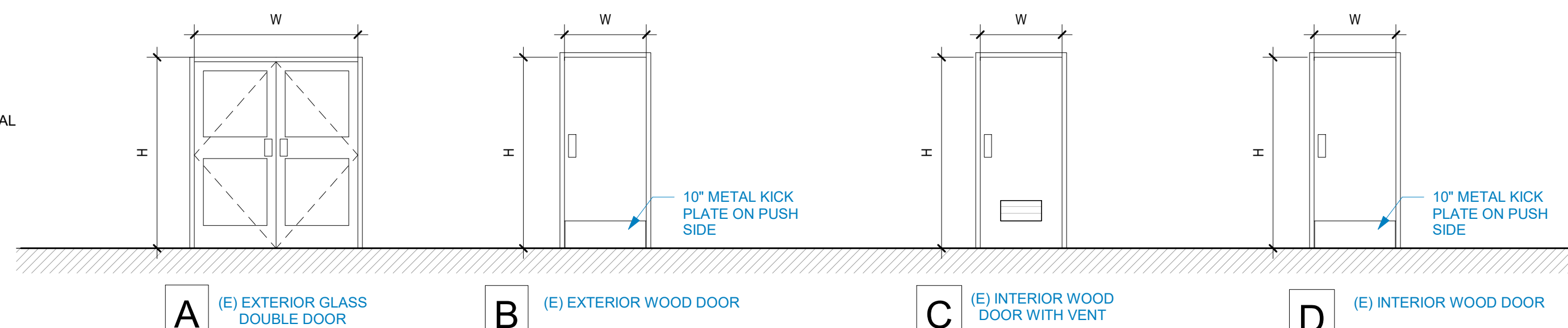
EXIT DOOR REQUIREMENTS

- ALL EXIT DOORS IN SCHOOL BUILDINGS, INCLUDING BUT NOT LIMITED TO DOORS OF TOILETS AND STORAGE ROOMS, SHALL CONFORM WITH THE REQUIREMENTS OF SECTION 2-3304 TITLE 24 CAC. THE FOLLOWING ARE SOME OF THE REQUIREMENTS:
- EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITH NON-GRIP OPENABLE HARDWARE THAT DOES NOT REQUIRE THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34 AND 44 INCHES ABOVE THE FLOOR.
- DEADBOLTS ARE NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE.

MARK	TYPE	DOOR					FRAME			DETAILS			HWD SET	FIRE RATING	PANIC HWD	REMARKS
		WIDTH	HEIGHT	THICK	MATERIAL	FINISH	MATERIAL	FRAME FINISH	HEAD	JAMB	SILL					
01	A	6'-0"	7'-0"	-	ALUMN. W/GLASS	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	11/A5.01	EXISTING	NO	NO	YES	PHASE CREATED: EXISTING PROTECT IN PLACE, REPLACE THRESHOLD. SEE 11/A5.01
13	B	3'-0"	7'-0"	-	SC WOOD	PAINT	EXISTING	EXISTING	10/A5.01	10/A5.01	11/A5.01	---	NO	NO	YES	PHASE CREATED: EXISTING, RELOCATING DOOR, SEE 12/A5.01.
17	B	3'-0"	7'-0"	-	SC WOOD	PAINT	EXISTING	EXISTING	10/A5.01	10/A5.01	11/A5.01	---	NO	NO	YES	PHASE CREATED: EXISTING, RELOCATING DOOR, SEE 8/A4.01.
43	D	3'-0"	7'-0"	-	SC WOOD	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	---	NO	NO	NO	PHASE CREATED: EXISTING, RELOCATING DOOR, SEE 1/A4.01.
44	C	3'-0"	7'-0"	-	SC WOOD	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	---	NO	NO	NO	PHASE CREATED: EXISTING, PROTECT IN PLACE, SEE 186/A4.01

DOOR SCHEDULE LEGEND

- HM HOLLOW METAL
- SC SOLID CORE
- ALUMN. ALUMINUM

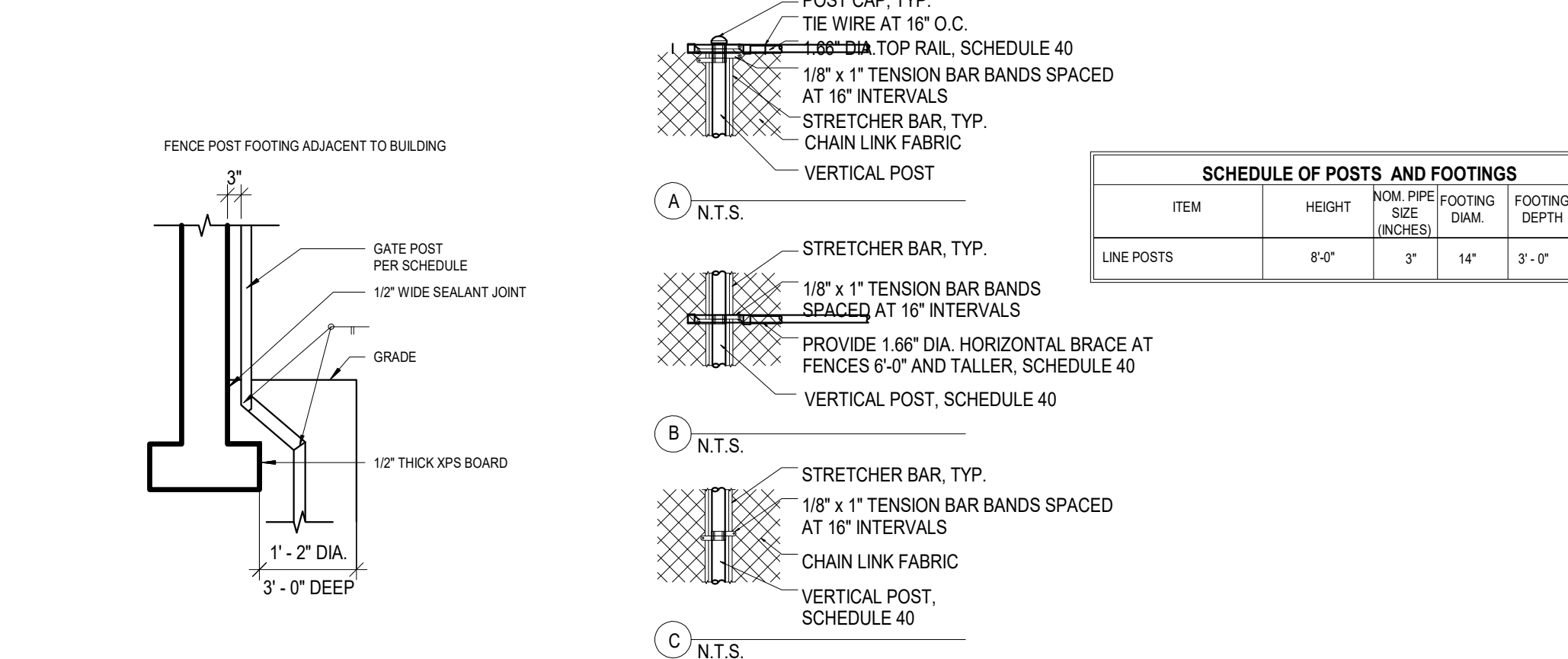


SIGNAGE PLAN - ALL GENDER RESTROOM

3/8" = 1' - 0"

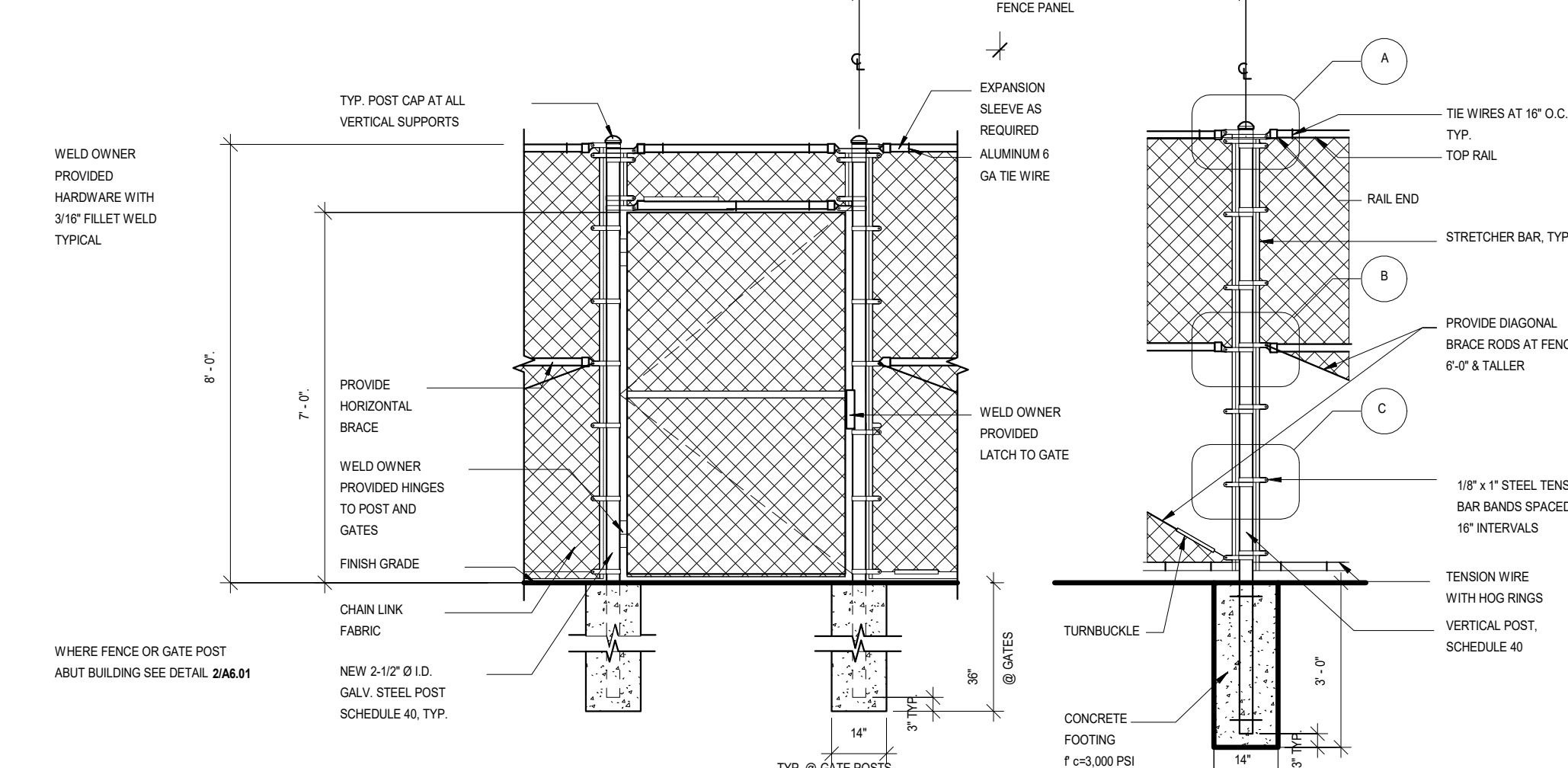
CHAINLINK FENCE/GATE - 6 FEET HEIGHT

3/8" = 1'-0"



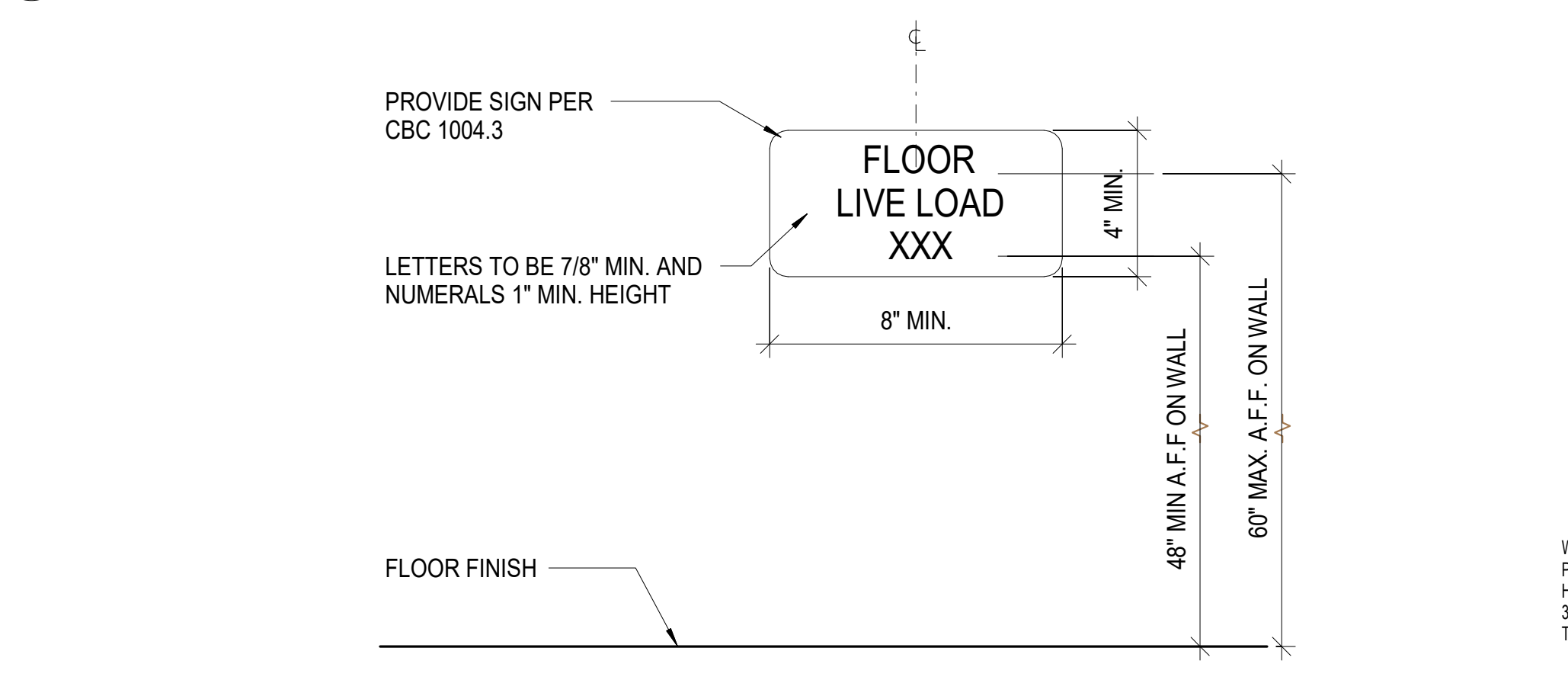
CHAINLINK FENCE DETAILS

3/8" = 1'-0"



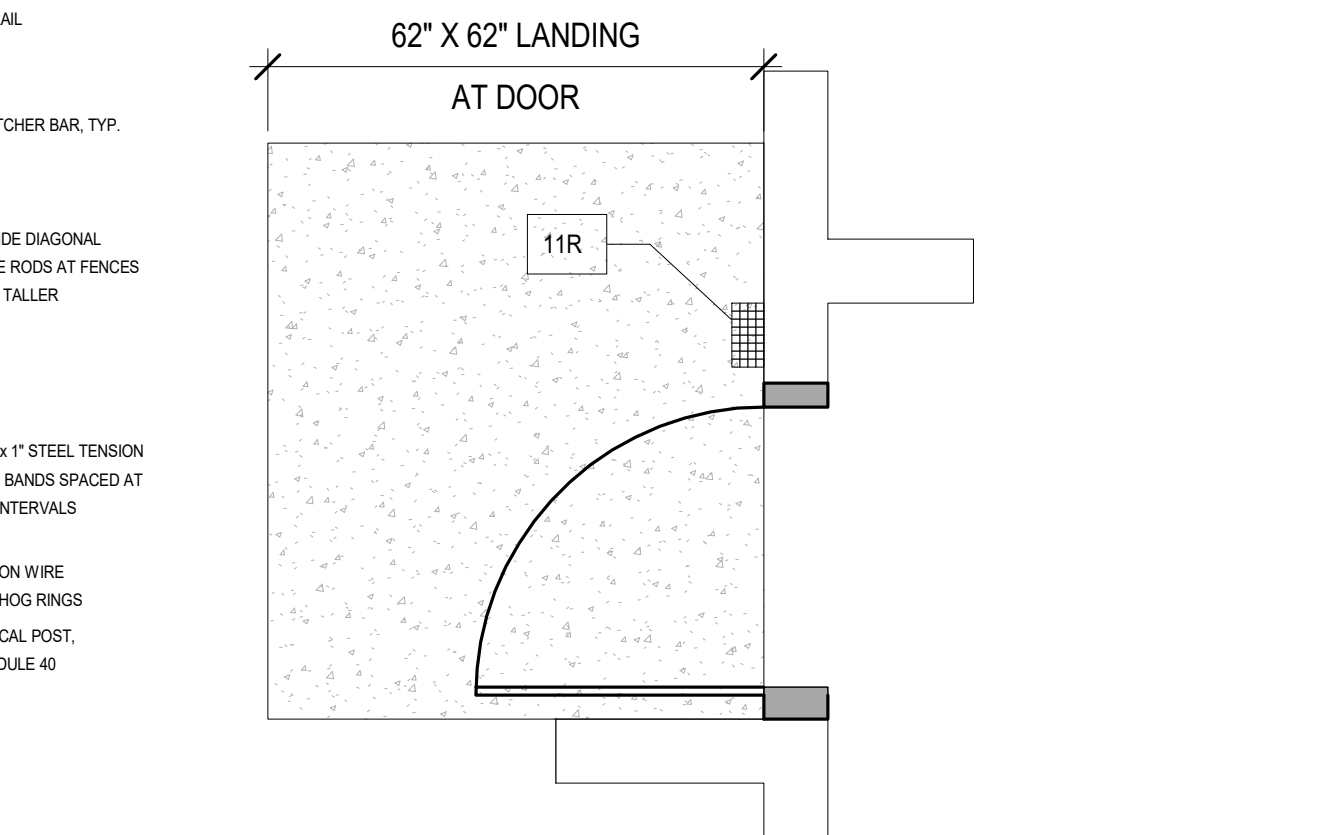
CHAINLINK FENCE - 8 FEET HEIGHT

3/8" = 1'-0"



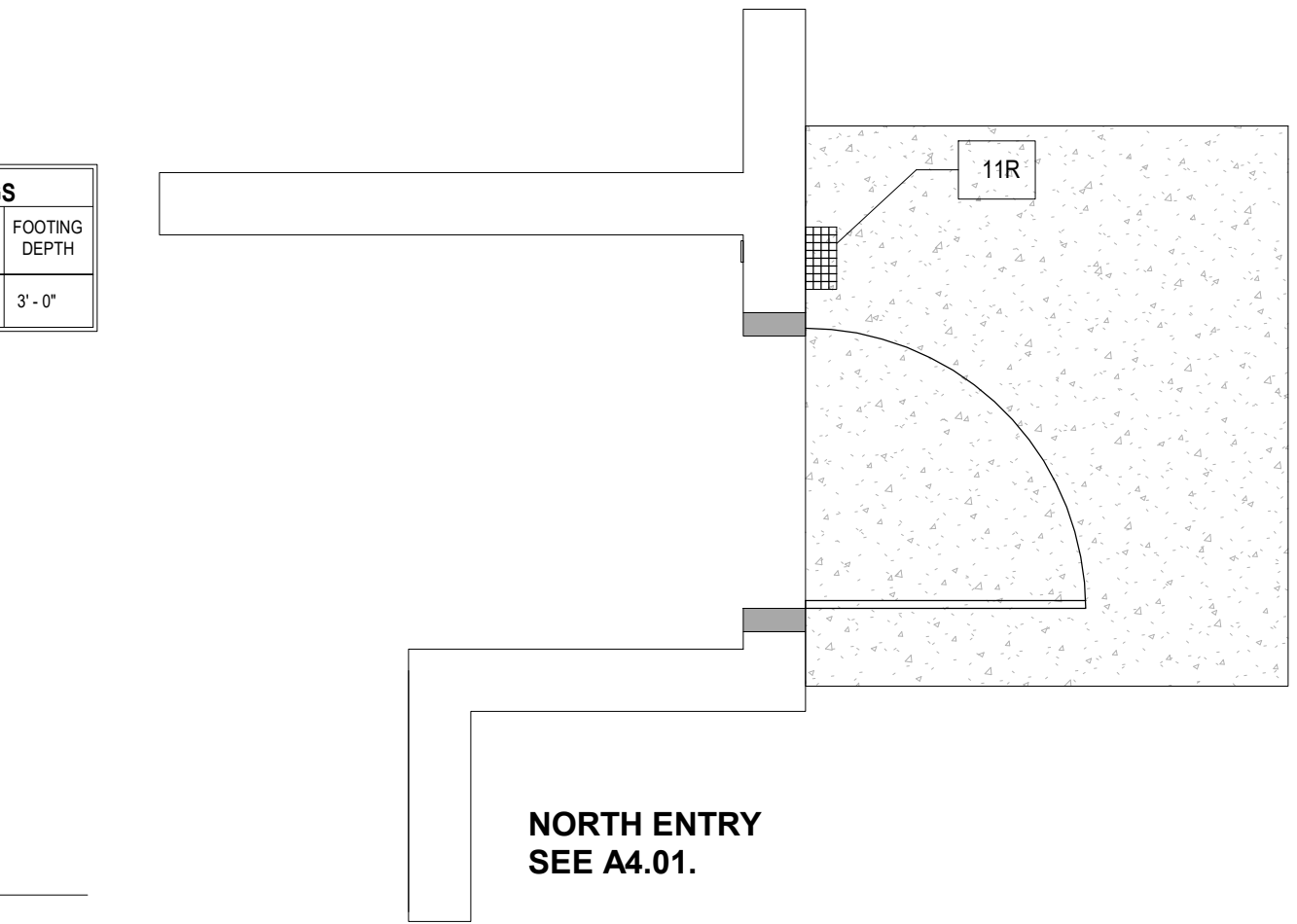
LIVE LOAD SIGN

3" = 1'-0"



SOUTH ENTRY

SEE A4.01.

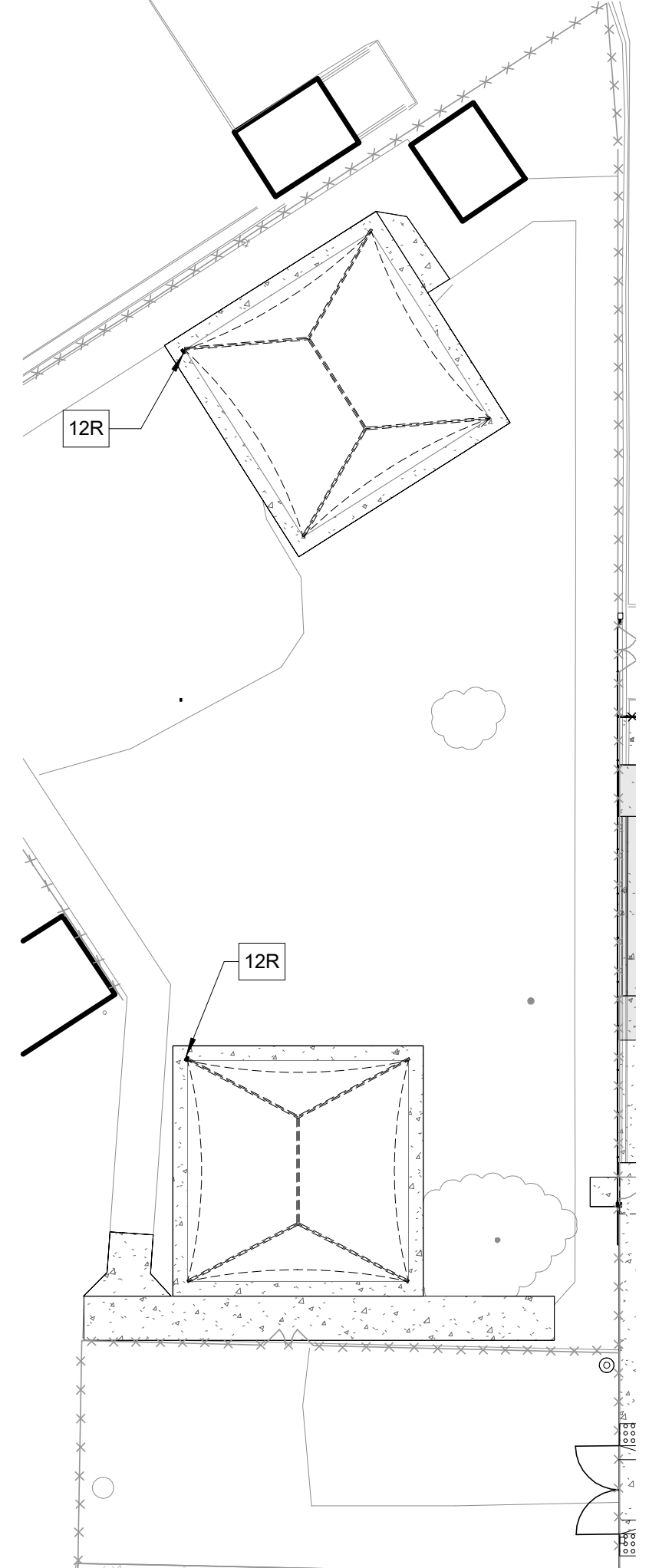


NORTH ENTRY

SEE A4.01.

SIGNAGE PLAN - CDC ENTRY

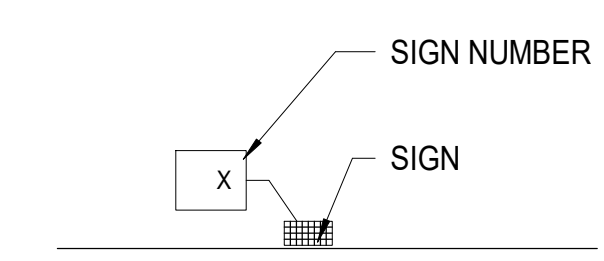
1/2" = 1' - 0"



SIGNAGE PLAN - SHADE

1/20" = 1' - 0"

SIGNAGE LEGEND



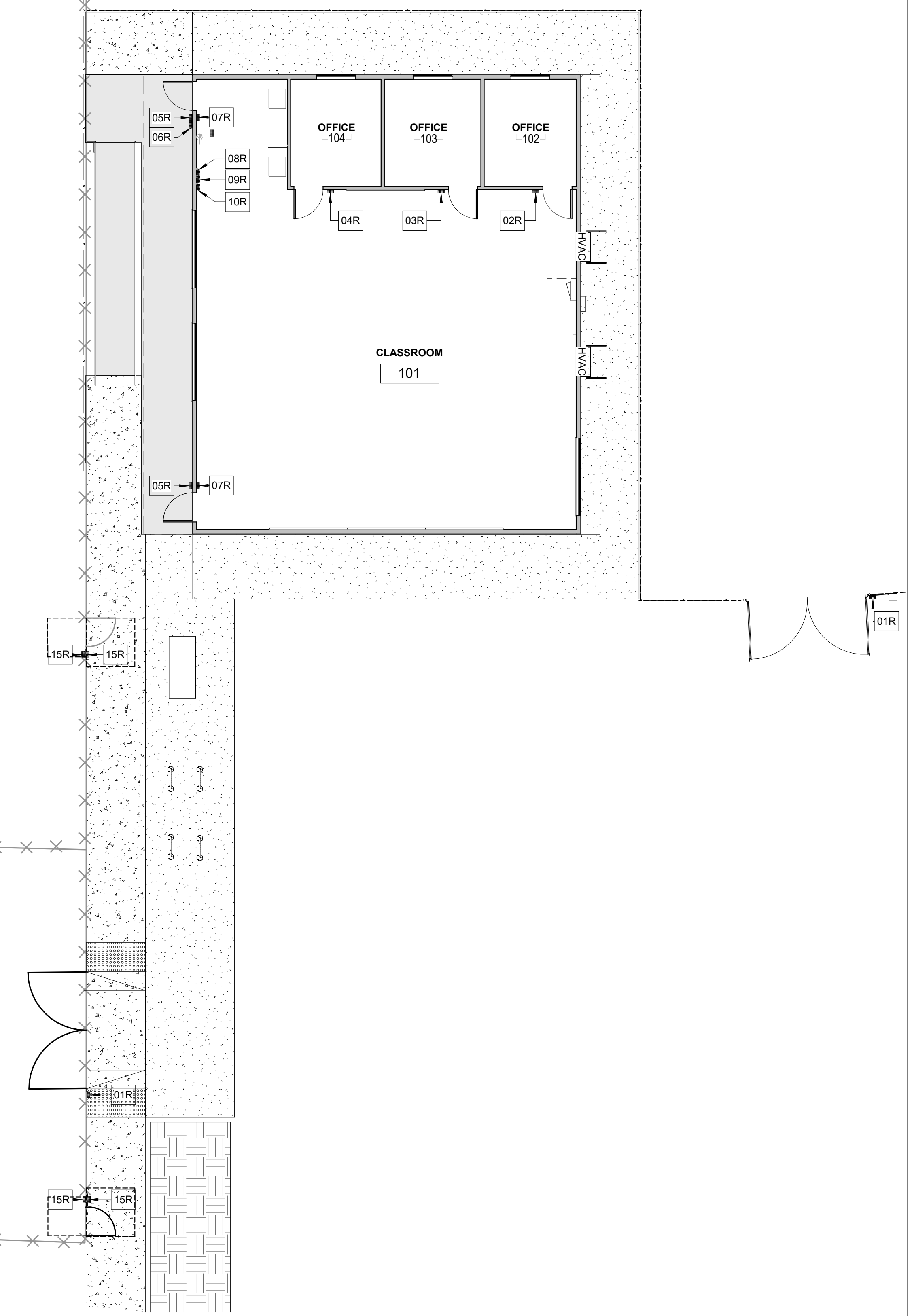
GENERAL SIGNAGE NOTES

- REFER TO SHEET A7.01 FOR SIGNAGE DETAILS INCLUDING CHARACTERS & BRAILLE SIGN DETAILS.
- SIGNS SHALL BE LOCATED ADJACENT TO EXIT ACCESS DOORS UNLESS OTHERWISE NOTED.

GENERAL SIGNAGE NOTES

- SEE A0.22 SITE PLAN FOR LOCATION OF EXISTING ADA COMPLIANT TOW-AWAY SIGN.

SIGN NO.	BUILDING NAME	ROOM NO.	SIGNAGE NAME	SIGN TYPE	DETAIL
01R	EXTERIOR GATES	-	SERVICE GATE	SERVICE GATE	14A7.01
02R	MODULAR BUILDING	101	OFFICE 102	ROOM ID SIGN - A	13A7.01
03R	MODULAR BUILDING	101	OFFICE 103	ROOM ID SIGN - A	13A7.01
04R	MODULAR BUILDING	101	OFFICE 104	ROOM ID SIGN - A	13A7.01
05R	MODULAR BUILDING	101	CLASSROOM 101	BUILDING ID SIGN - B2	12A7.01
06R	MODULAR BUILDING	101	INTERNATIONAL ACCESSIBILITY SYMBOL	ENTRY I.S.A SIGN - A	5A7.01
07R	MODULAR BUILDING	101	EXIT	EXIT TACTILE SIGN - E1	11A7.01
08R	MODULAR BUILDING	101	A.L.S. SYMBOL & INFO	A.L.S. SIGN	4A7.01
09R	MODULAR BUILDING	101	OCCUPANT LOAD	OCC. LOAD SIGN	15A7.01
10R	MODULAR BUILDING	101	FLOOR LIVE LOAD	FLOOR LIVE LOAD SIGN	6A6.01
11R	CDC BUILDING	-	INTERNATIONAL ACCESSIBILITY SYMBOL	ENTRY I.S.A SIGN - A	5A7.01
12R	SHADE STRUCTURES	-	COOKING PROHIBITED	SHADE SIGN	7A7.01
13R	CDC BUILDING	-	ALL GENDER WALL SYMBOL	RESTROOM SIGN - C6	6A7.01
14R	CDC BUILDING	-	ALL GENDER DOOR SYMBOL	RESTROOM SIGN - C3	6A7.01
15R	CDC BUILDING	-	ACCESSIBLE SIGN	GATE ACCESSIBLE SIGN	5A7.01



SIGNAGE PLAN - MODULAR BLDG.

1/8" = 1' - 0"

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 04/19/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADOR

20228 AGUIRRE RD. 201 | AGUIRRE HILLS CA, 91301 | 805-658-4334

CONSULTANT

STAMPS/SEALS

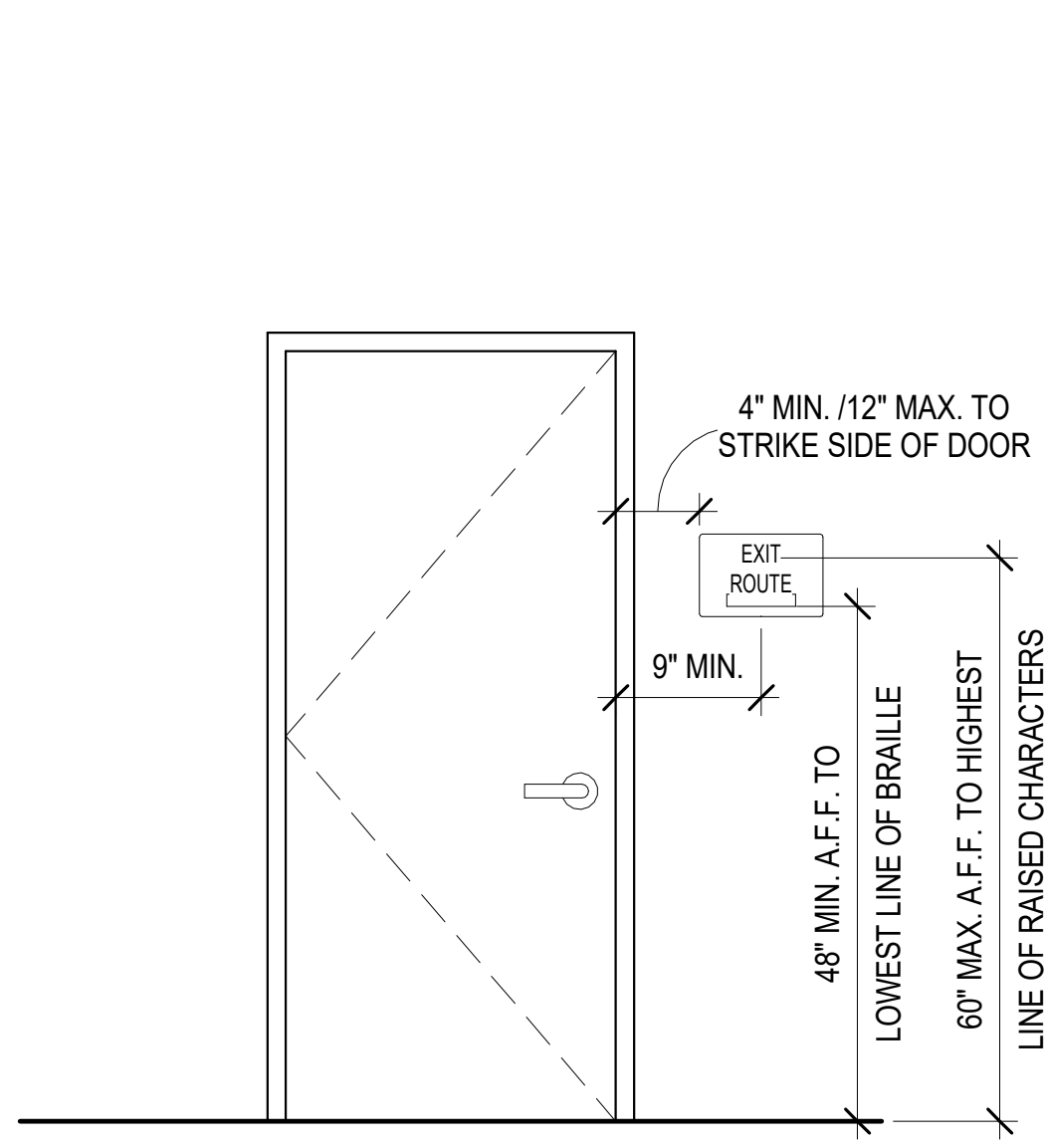
DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

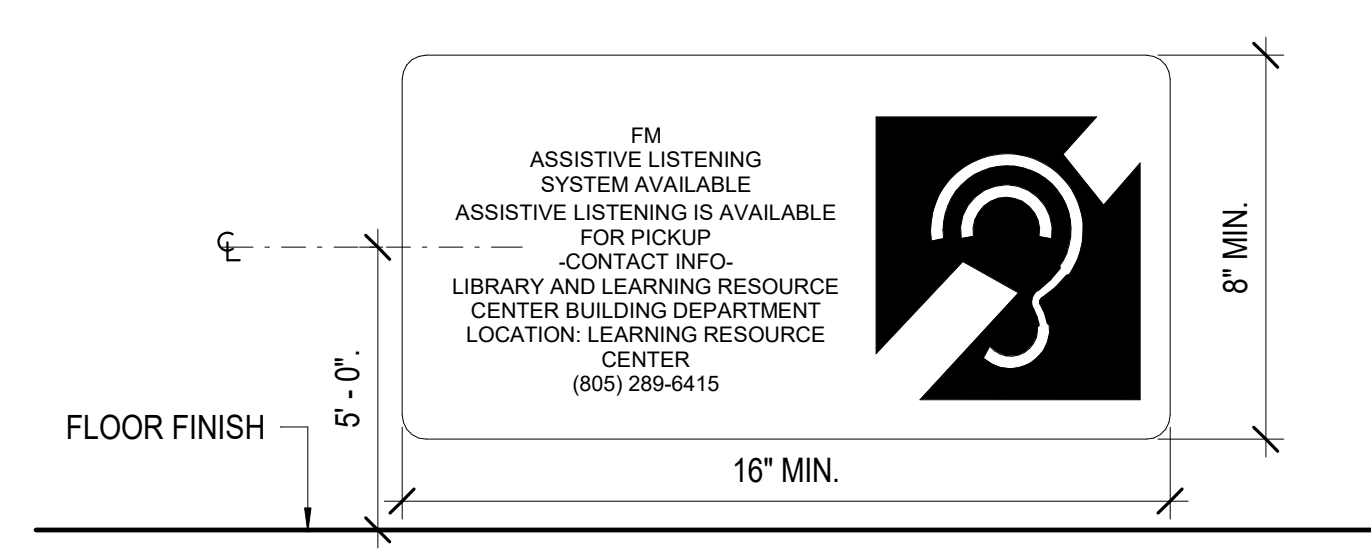
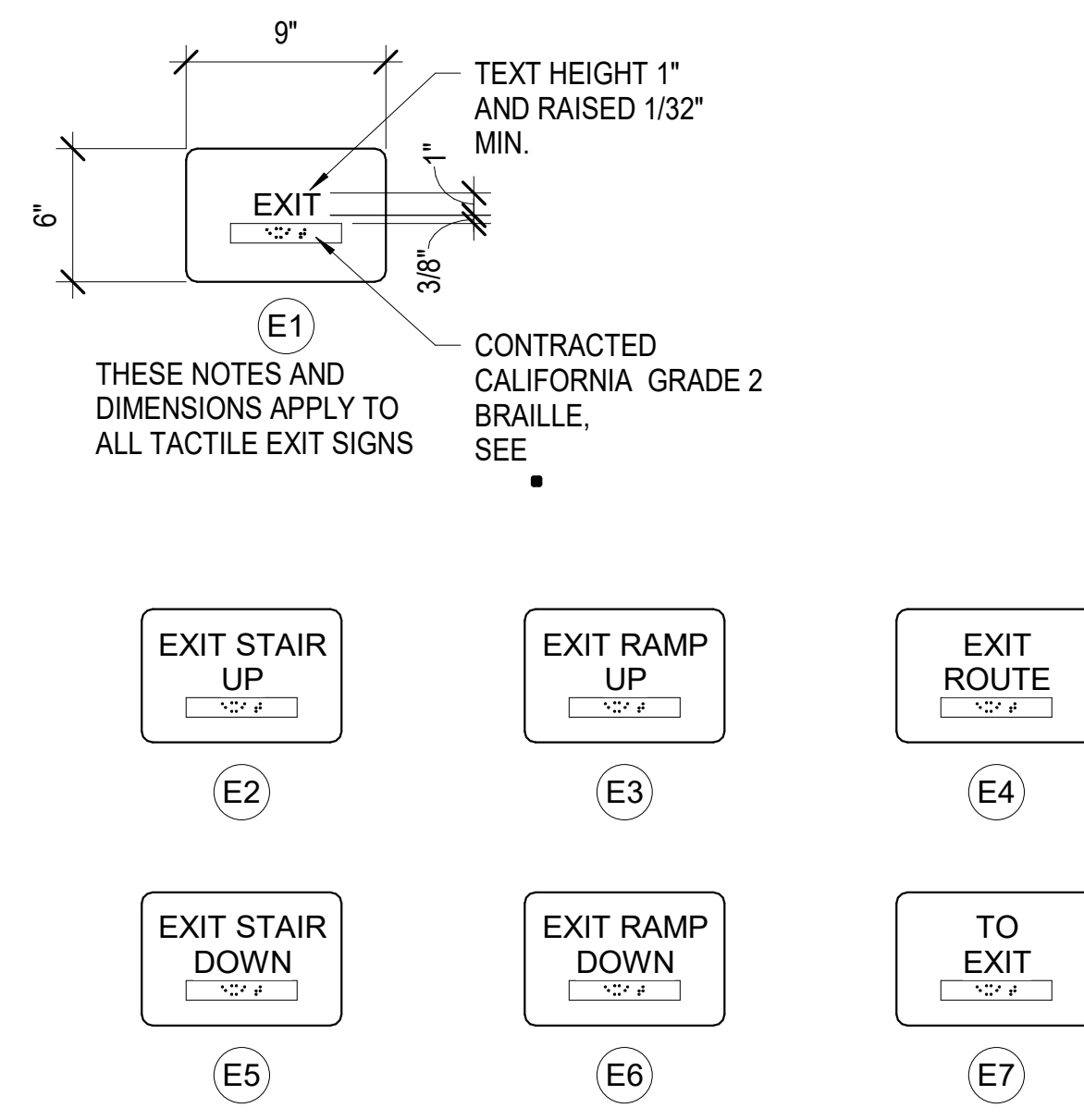
DOOR SCHEDULE, SIGNAGE SCHEDULE & DETAILS

PROJECT NO: 22-VCCDD-16 PROJECT ARCH: Designer
DRAWN BY: Author CHECKED: Checker
SHEET NUMBER: DATE: 11/29/2022 SHEET: OF

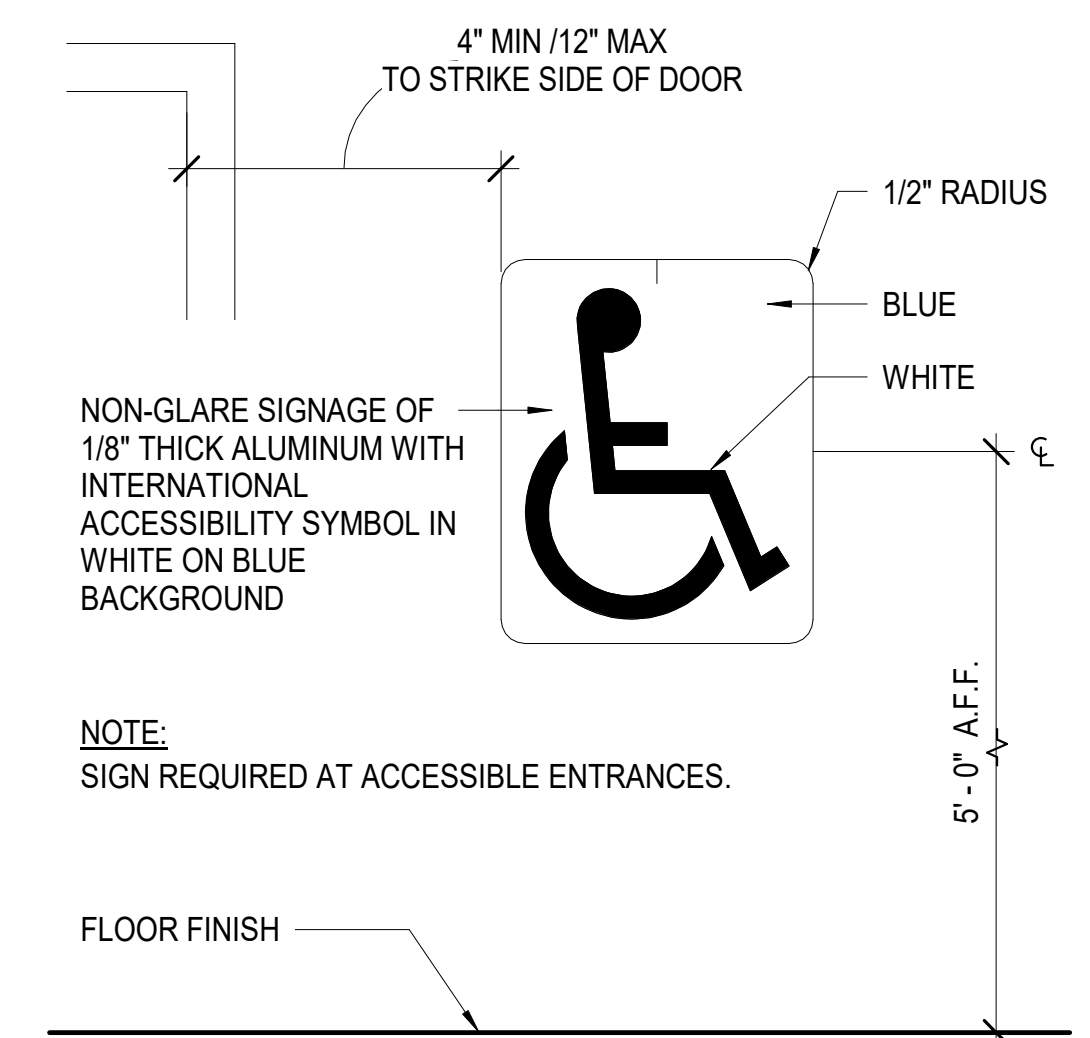
A6.01



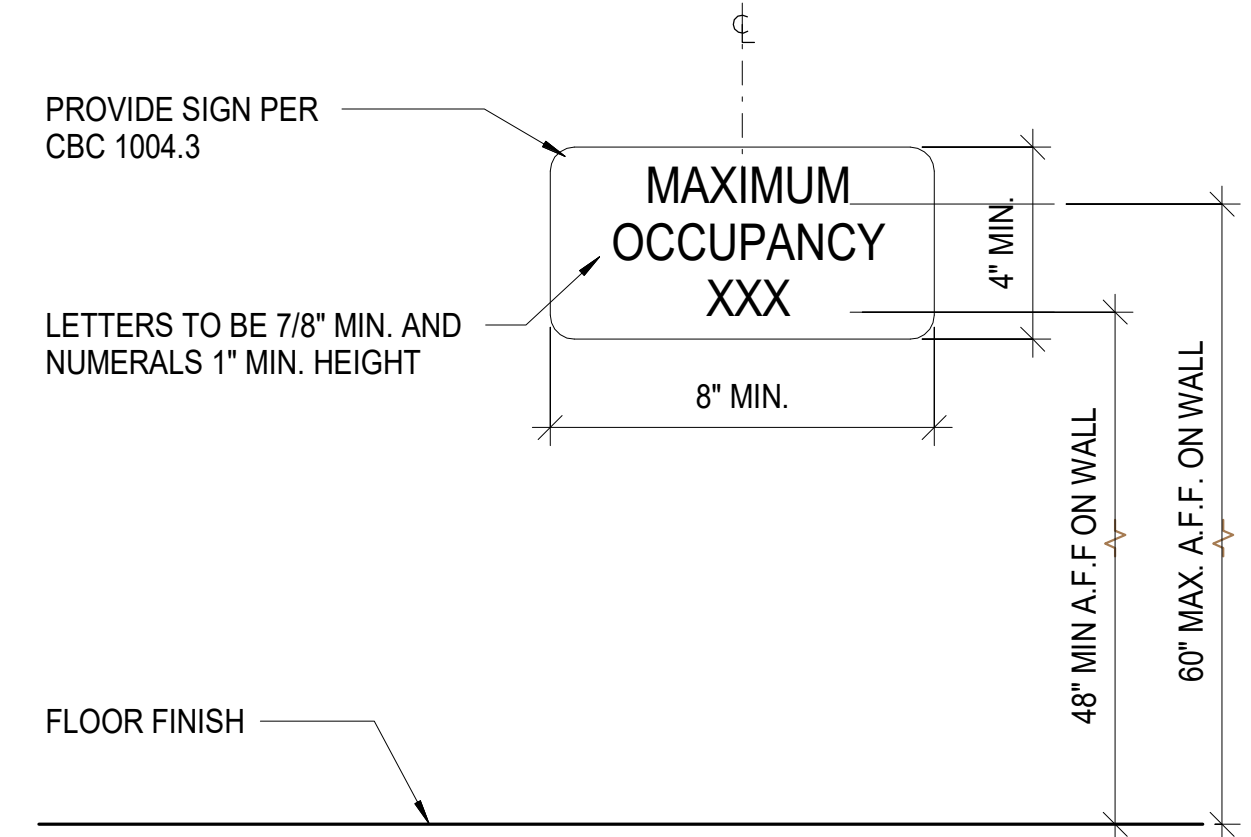
11 TACTILE EXIT SIGNS (TYPE E)
1 1/2" = 1'-0"



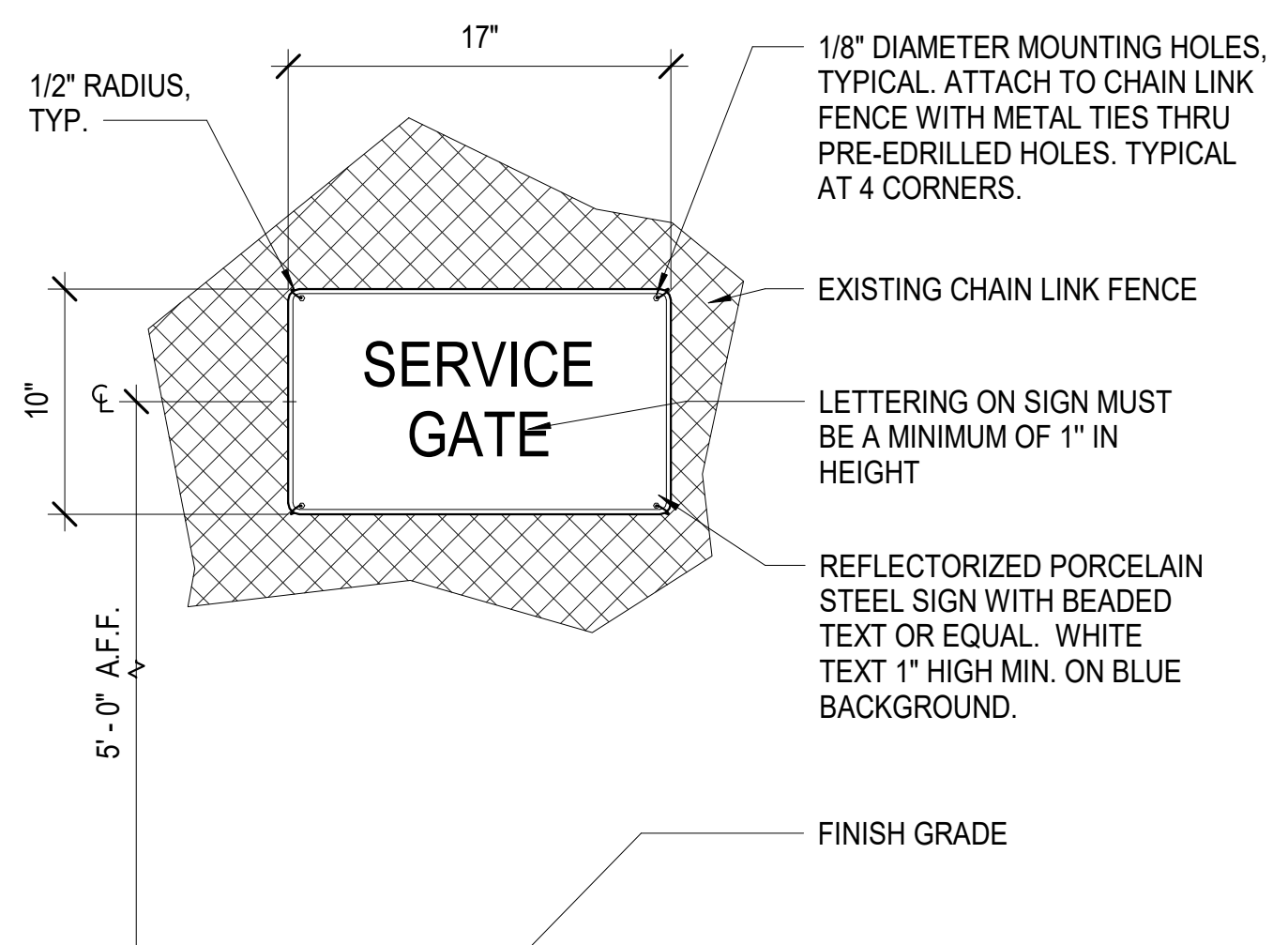
4 ALS SIGN
3" = 1'-0"



5 BUILDING ENTRY SIGN (I.S.A) (TYPE A)
3" = 1'-0"



15 OCCUPANT LOAD SIGN
3" = 1'-0"

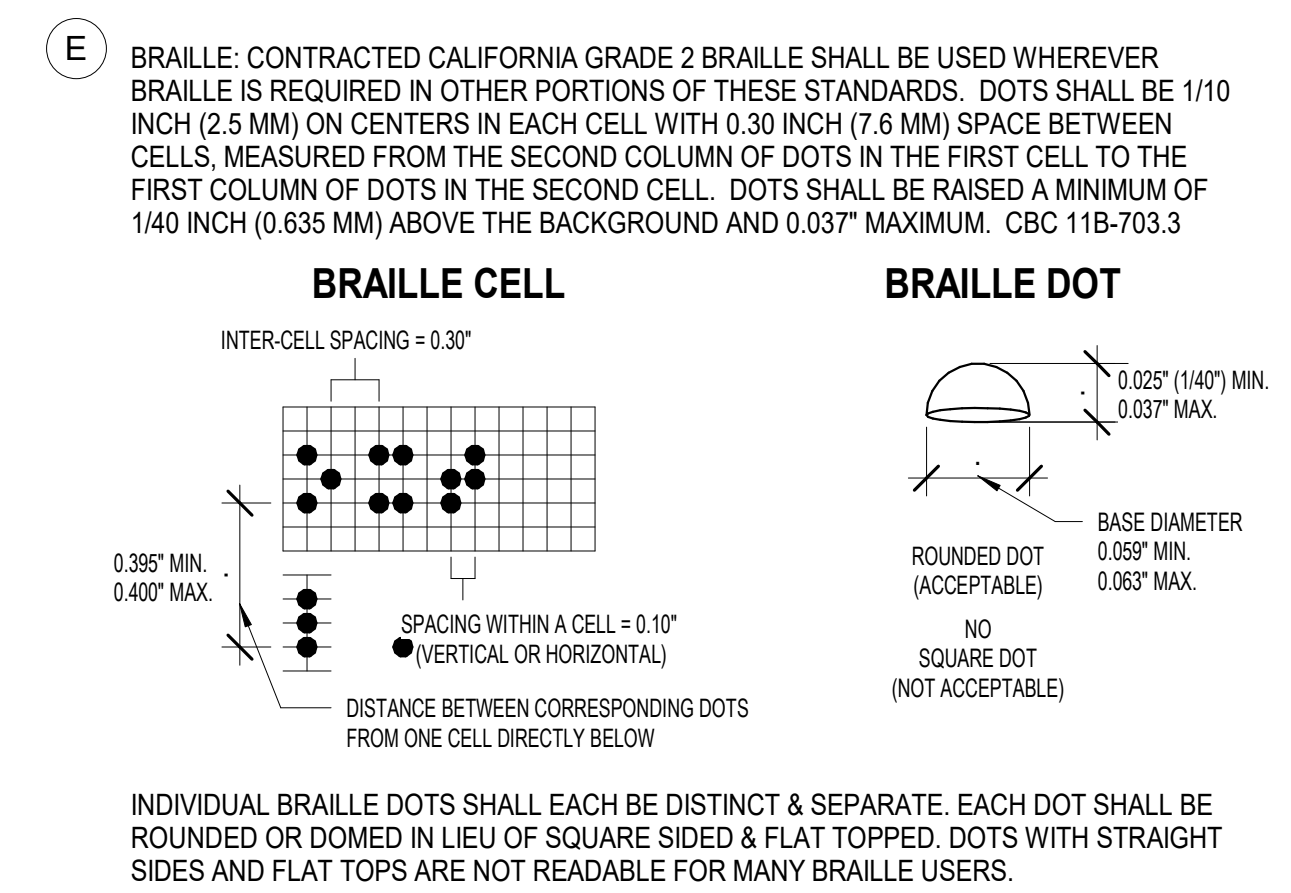
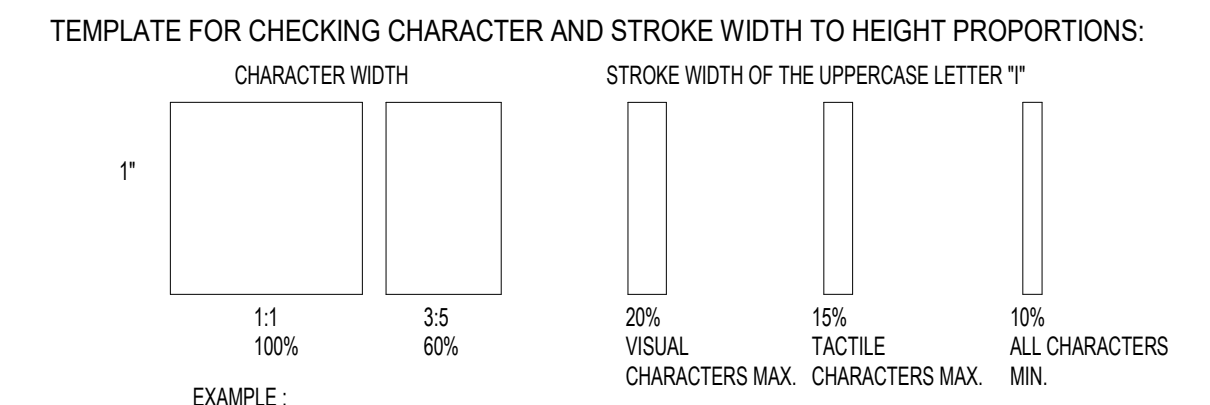


14 CHAIN LINK FENCE-MOUNTED SERVICE GATE SIGN
1 1/2" = 1'-0"

GENERAL NOTES - SIGNAGE

- PROVIDE SIGNAGE THAT CONFORMS WITH CBC CHAPTER 10 & CFC TITLE 19 PROVISIONS.
- SIGNS SHALL BE FABRICATED TO MATCH COLOR & MATERIALS OF (E) BUILDING SIGNAGE.

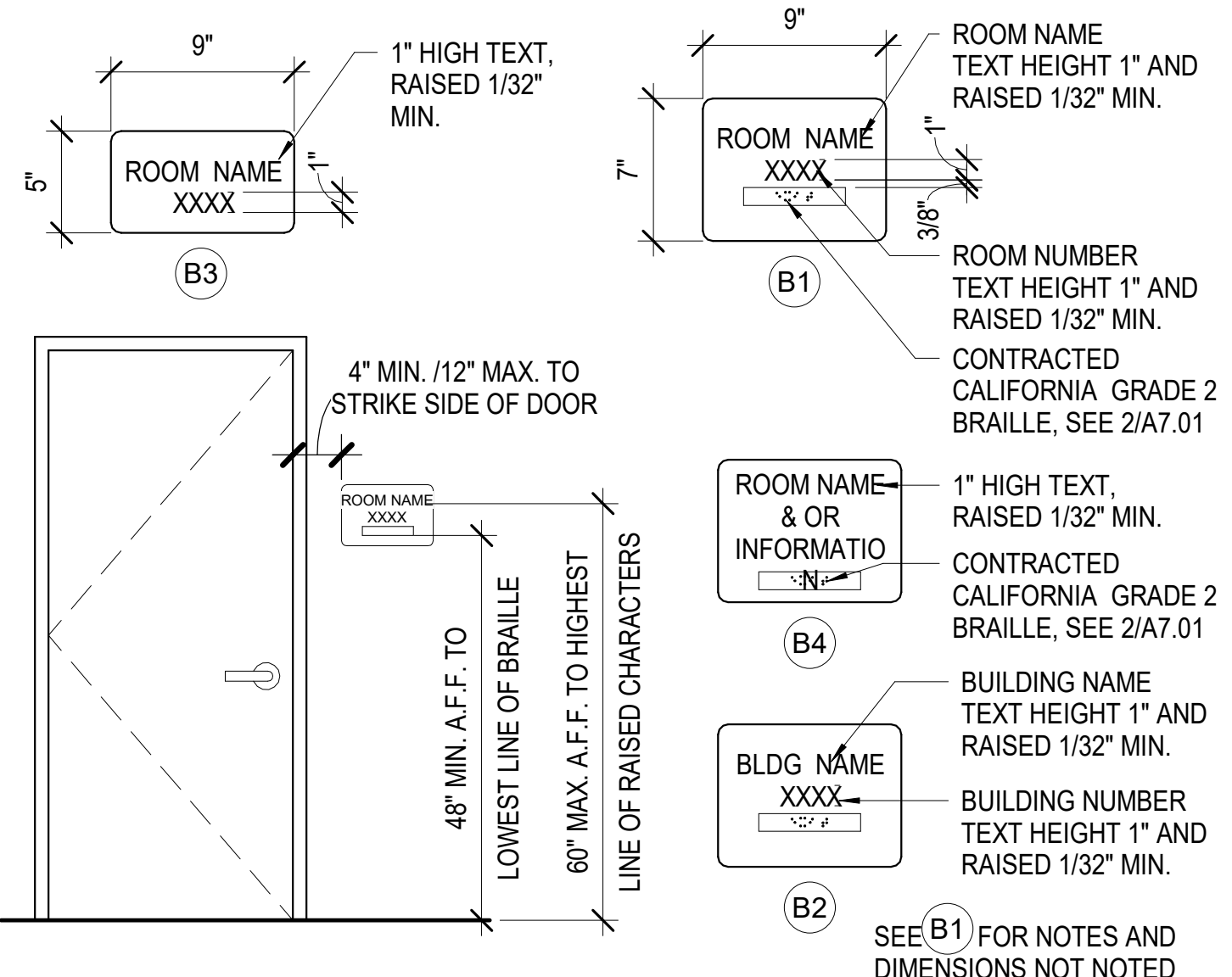
- CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32" (0.794 MM) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE (SEE NOTE E BELOW). CBC 11B-703.2
- CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" (15.9 MM) AND A MAXIMUM OF 2 INCHES (51 MM) HIGH BASED ON THE HEIGHT OF THE UPPERCASE LETTER "T". CBC 11B-703.2.5
- FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, PICTOGRAMS, SYMBOLS AND THEIR BACKGROUND MUST HAVE A NON-GLARE FINISH. CHARACTERS, PICTOGRAMS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. CBC 11B-703.5.1, 11B-703.6.2, 11B-703.7.1
- PROPORTIONS: CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "T". CBC 11B-703.2.4, 11B-703.5.4. STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAXIMUM OF THE HEIGHT OF THE CHARACTER FOR RAISED CHARACTERS AND 10% MINIMUM AND 20% MAXIMUM OF THE HEIGHT OF THE CHARACTER FOR VISUAL CHARACTERS. CBC 11B-703.2.6, 11B-703.5.7



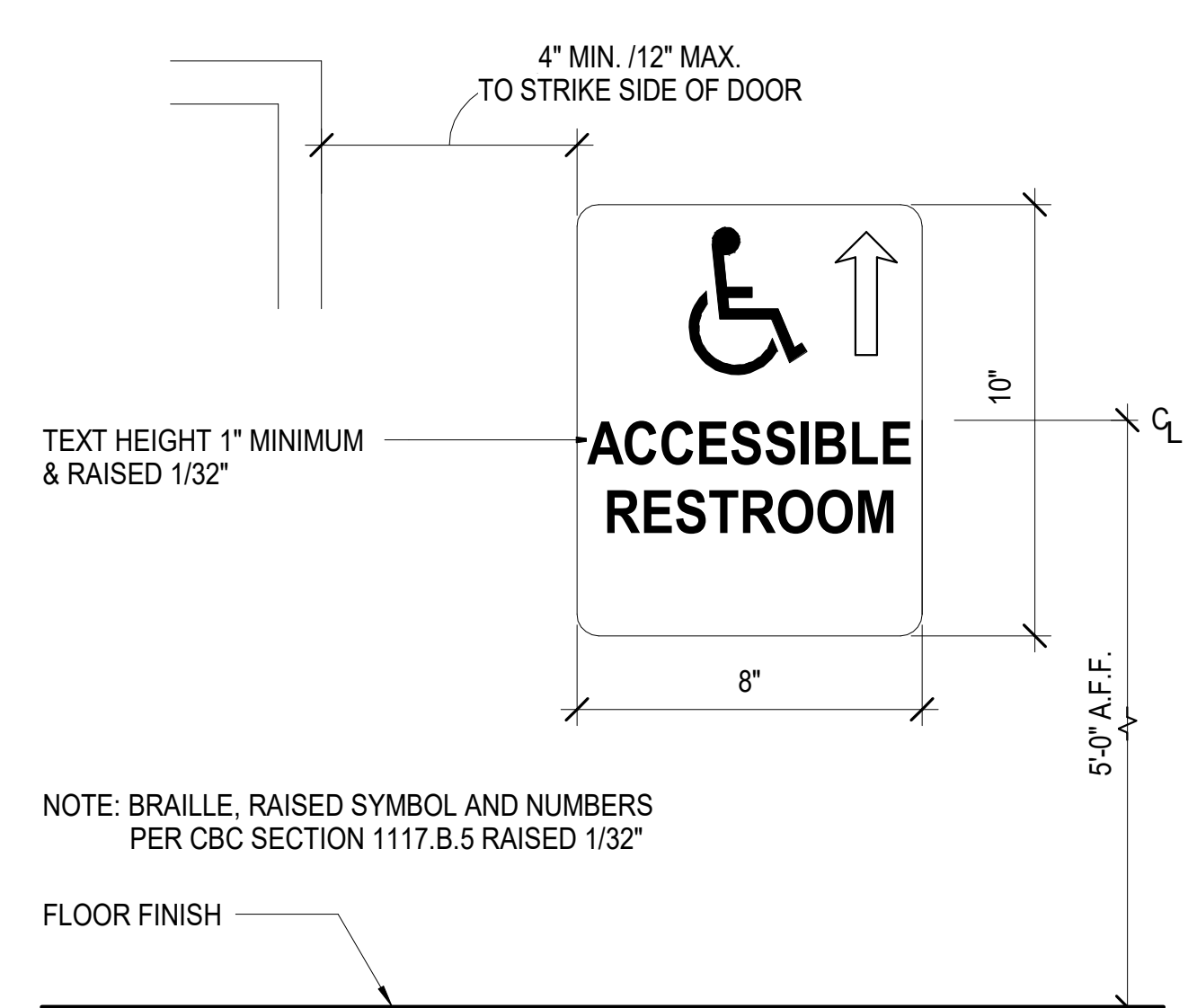
2 CHARACTERS & BRAILLE SIGN DETAIL
6" = 1'-0"

NOTES ON RESTROOM SIGNAGE:

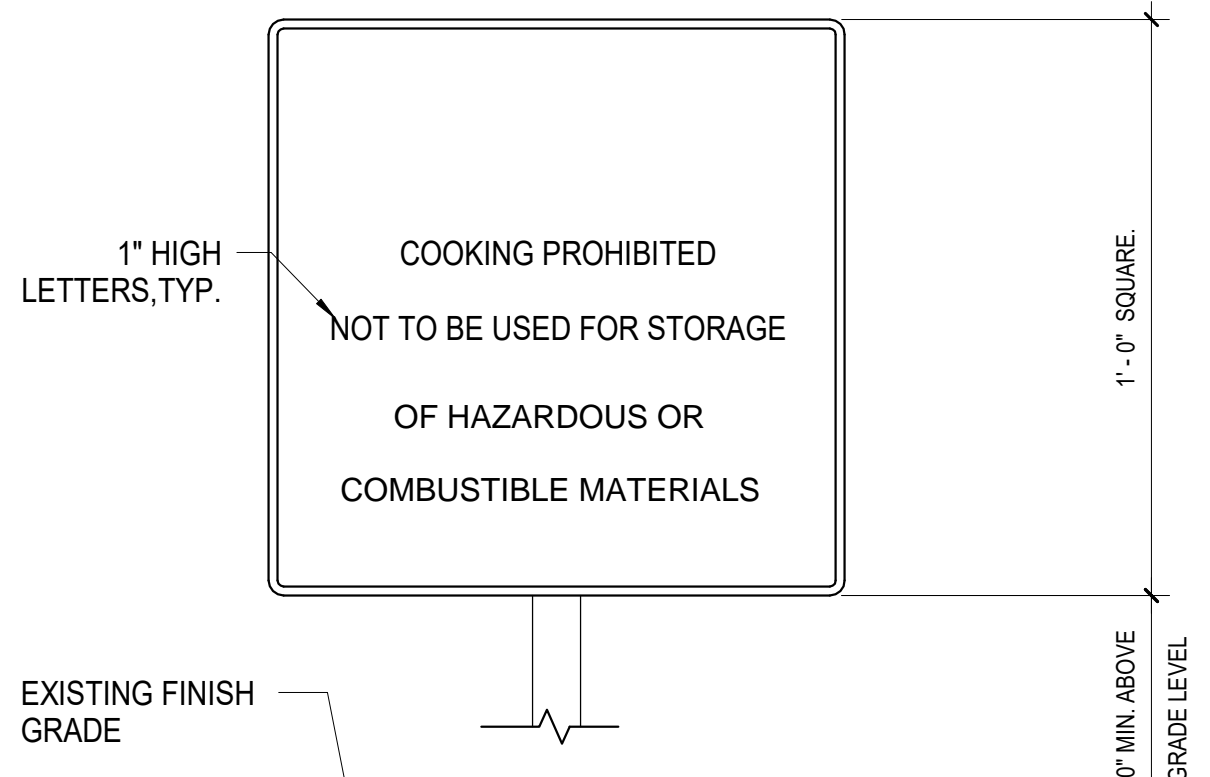
- ALL RESTROOM DOOR SIGNS SHALL BE MOUNTED AT 58" MINIMUM AND 60" MAXIMUM ABOVE FINISH FLOOR TO CENTER OF SIGN.
- ATTACH SIGN USING (3) THREE FLATHEAD WOOD SCREWS, COUNTER-SUNK AND ADHESIVE.
- ISA SYMBOL REQUIRED ON DOOR, WALL OR SEPARATE SIGN, NOT REQUIRED TO BE RAISED FROM BACKGROUND.
- GEOMETRIC SYMBOL DOOR SIGNS FOR RESTROOMS MUST CONTRAST WITH DOOR, DARK ON LIGHT OR LIGHT ON DARK. FOR LINES & DOOR SIGNS, TRIANGLE TO CONTRAST WITH CIRCLE, WHICH MUST CONTRAST WITH THE DOOR. 70% MINIMUM LIGHT/DARK. ENTIRE BACKGROUND COLOR OF GEOMETRIC SYMBOL SIGN MUST CONTRAST WITH DOOR. IT IS NOT ALLOWED TO HAVE A THIN CONTRASTING BORDER AROUND SYMBOL, WITH REMAINDER OF SIGN BACKGROUND IN A NON-CONTRASTING COLOR. ISA, CONTRASTING WITH BACKGROUND, MAY BE ON SIGN.
- EDGES OF SIGNS SHALL BE ROUNDED, CHAMFERED OR EASED. CORNERS OF SIGNS SHALL HAVE A MINIMUM RADIUS OF 1/8 INCH.



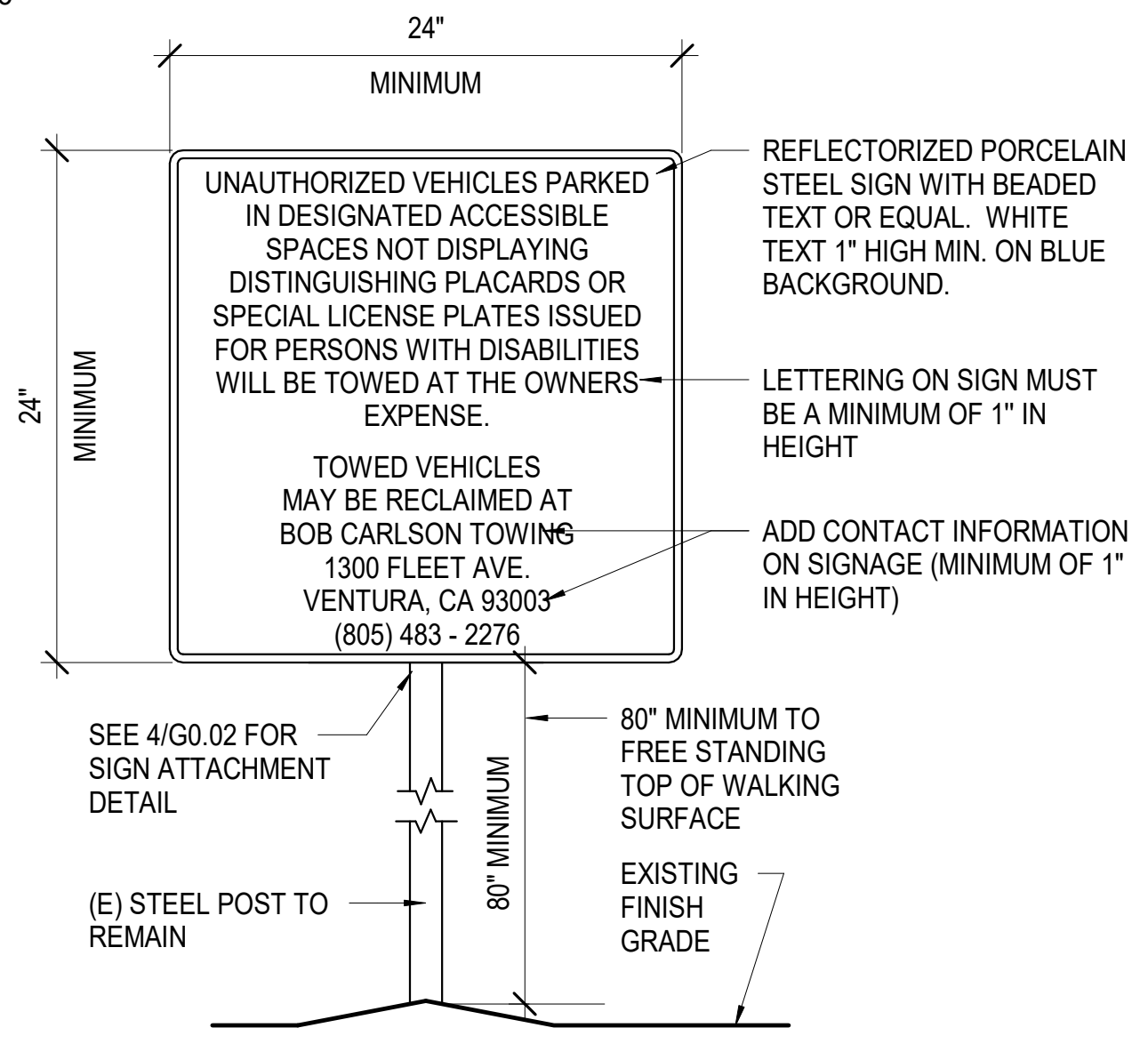
12 (B) BUILDING & ROOM I.D. SIGNS
1 1/2" = 1'-0"



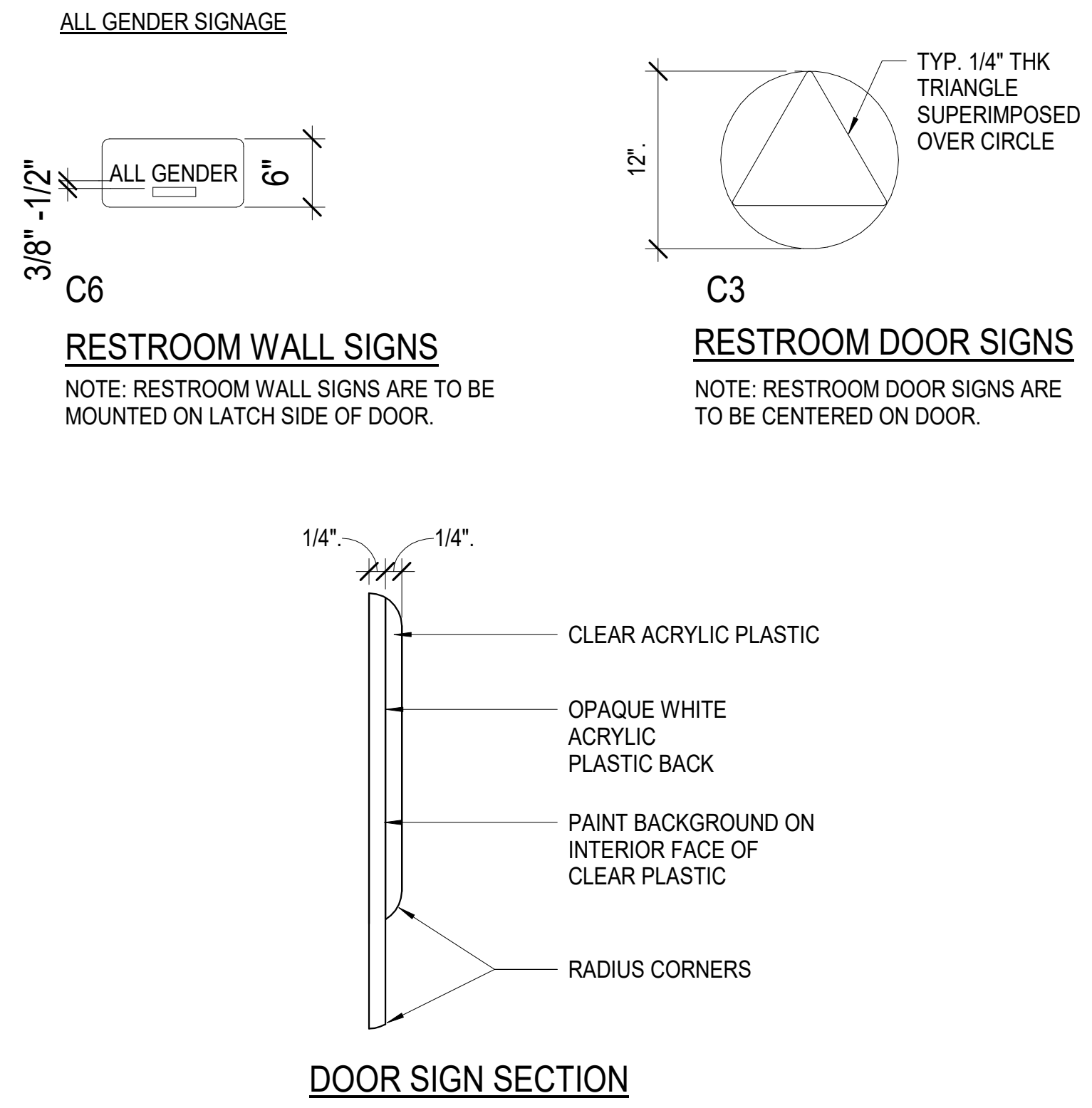
9 ACCESSIBLE RR DIRECTIONAL SIGN
3" = 1'-0"



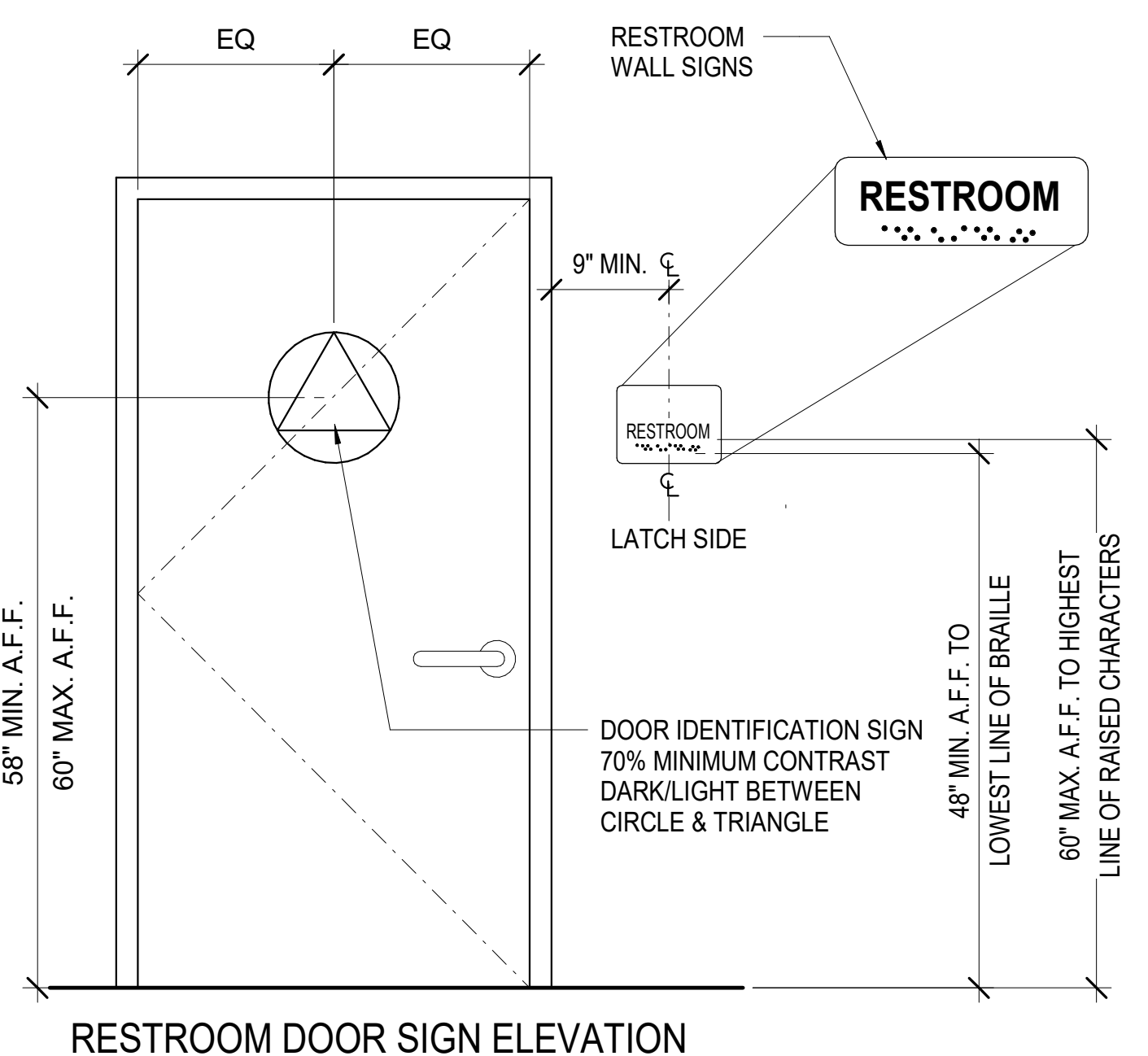
7 SHADE STRUCTURE SIGN
1 1/2" = 1'-0"



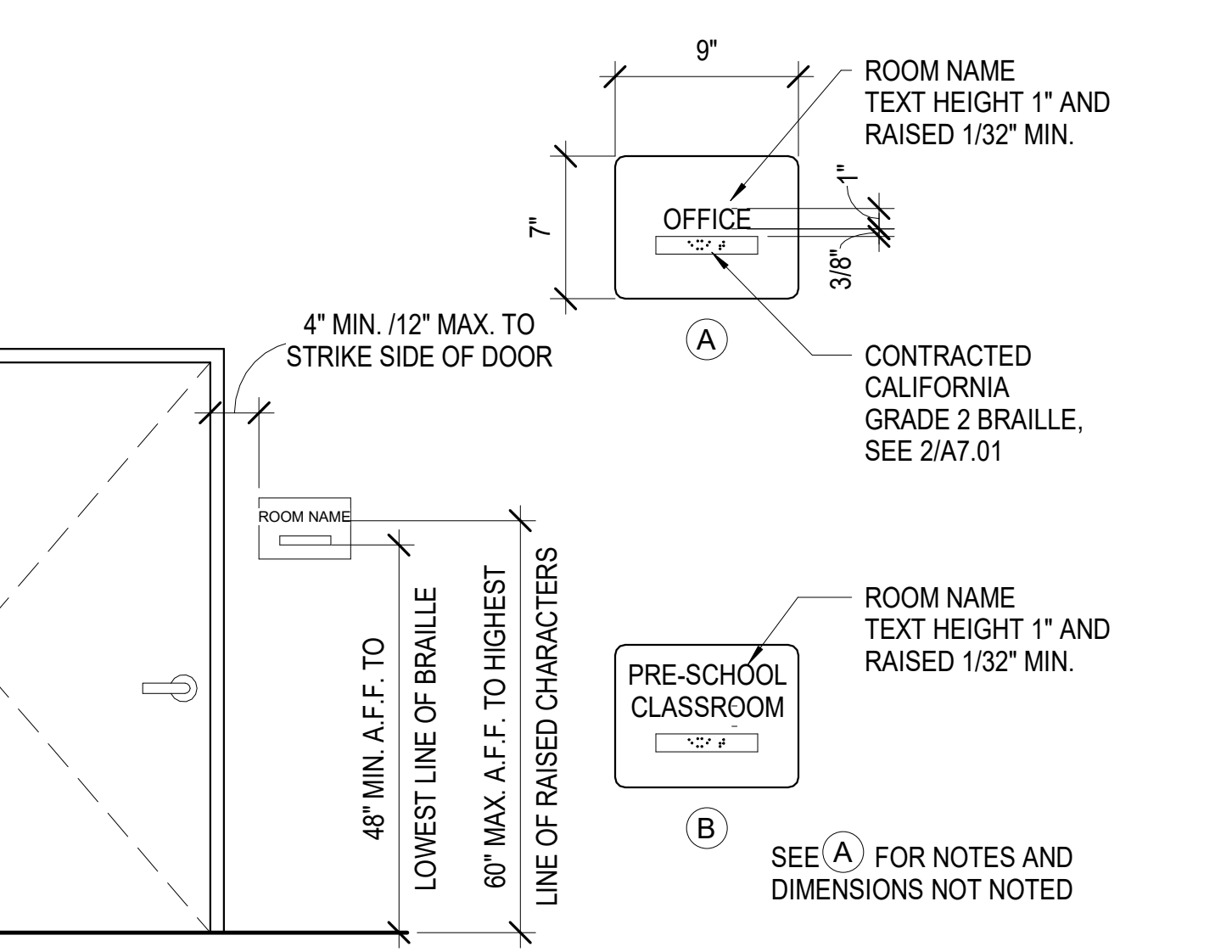
10 TOW-AWAY SIGN
1 1/2" = 1'-0"



6 RESTROOM SIGNAGE (TYPE C1 thru C6)
1" = 1'-0"



RESTROOM DOOR SIGN ELEVATION



13 ROOM I.D. SIGNS
1 1/2" = 1'-0"





FABRIC SHADE STRUCTURE

DSA P.C. 04-119454

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN

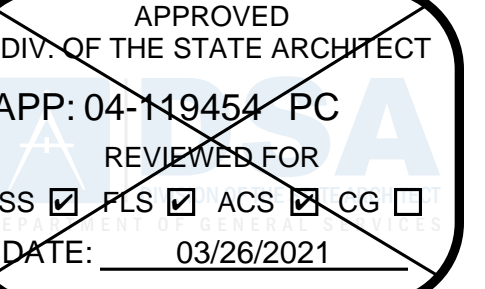


CORPORATE HEADQUARTERS
2580 ESTERS BLVD. SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER
CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Ventura Community
College District
PROJECT NAME:
Ventura College

LOCATION:
4667 Telegraph Rd.
Ventura, CA 93003
MODEL NUMBER:



SITE SPECIFIC APPLICATION TITLE SHEET SHALL INCLUDE:

- PARTIAL LIST OF APPLICABLE CODES
- 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.
 - 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
 - (2018 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2019 CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
 - (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
 - (2018 IAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
 - (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
 - 2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
 - (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R.
 - (2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.
 - 2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.
 - TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
 - 2016 ASME A17.1, CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS (PER 2019 CBC, PART 2, CHAPTER 35)
- NOTE: CAL/OSHA ELEVATOR UNIT ENFORCES C.C.R. TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION

- PARTIAL LIST OF APPLICABLE STANDARDS
- | | | |
|----------|--|--------------|
| NFPA 13 | STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED) | 2016 EDITION |
| NFPA 14 | STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS | 2016 EDITION |
| NFPA 17 | STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS | 2017 EDITION |
| NFPA 17A | STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS | 2017 EDITION |
| NFPA 20 | STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION | 2016 EDITION |
| NFPA 22 | STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION | 2013 EDITION |
| NFPA 24 | STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES | 2016 EDITION |
| NFPA 72 | NATIONAL FIRE ALARM & SIGNALING CODE (CA AMENDED) | 2016 EDITION |
| NFPA 80 | STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES | 2016 EDITION |
| NFPA 801 | STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS | 2015 EDITION |
| UL 300 | STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT | 2005 (R2010) |
| UL 464 | AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES | 2003 EDITION |
| UL521 | STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS | 1999 EDITION |
| UL 1971 | STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED | 2002 (R2010) |
| ICC 300 | STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING AND GRANDSTANDS | 2017 EDITION |
- FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2019 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.
- SEE CALIFORNIA BUILDING CODE, CHAPTER 35, FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

SEE INDIVIDUAL STRUCTURAL DRAWINGS FOR SPECIFIC DESIGN NOTES AND LOADING.

ALL WORK SHALL CONFORM TO 2019 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (C.C.R.).

ALL WORK SHALL BE IN COMPLIANCE WITH CFC CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.

SITE SPECIFIC APPLICATION SITE PLAN SHALL INCLUDE:

- ACTUAL DIMENSIONS OF SHADE STRUCTURES.
- DIMENSIONS FROM ADJACENT STRUCTURES AND PROXIMITY OF ASSUMED OR ACTUAL PROPERTY LINES.
- PROVIDE CODE ANALYSIS INCLUDING ACTUAL SHADE STRUCTURE AREA (SQ. FT.), OCCUPANCY TYPE (A-3), AND TYPE OF CONSTRUCTION (V-B), INDICATE OCCUPANT LOAD FACTOR per 2019 CBC, SECTION 1004.
- INDICATE LOCATIONS OF FIRE EXTINGUISHER WITHIN 75 FEET.
- SHOW LOCATIONS OF AUDIBLE FIRE ALARM.
- INDICATE DIMENSIONS FROM THE ROOF TO THE HIGHER STRUCTURE OR TERRAIN FEATURE. MINIMUM DIMENSION OF 20' FOR SNOW LOAD MODEL (ASCE 7-16).
- ACTUAL SITE ELEVATION (FT.) TO DETERMINE SITE OCCURS AT OR BELOW THE UPPER ELEVATION LIMIT FOR THE GROUND SNOW LOAD SHOWN IN ASCE 7-16 (FOR SNOW LOAD MODEL).
- FOR RECESSED BASE PLATE (RBP) OPTION: ARCHITECT/ENGINEER OF RECORD TO SPECIFY THE LOWEST ANTICIPATED SERVICE TEMPERATURE (LAST), AS DEFINED IN AISC 341-10 SECTION A.3.4b, A4.1 AND A4.2 PER NOTE ON EACH INDIVIDUAL MODEL ENGINEERING DRAWING WHICH RELATES TO DEMAND CRITICAL WELD AND "L.A.S.T." TEMPERATURE (EITHER STRUCTURAL STEEL NOTE #14).
- COMPLETE SCOPE OF WORK INCLUDING THE SHADE STRUCTURE MODEL NUMBER, P.C. NUMBER, AND SPECIFIC SIZE OF SHADE STRUCTURE.
- ALL SADDLES, CLAMPS AND FITTINGS SHALL CONFORM TO THE GUIDELINES AS SPECIFIED IN APPENDICES 'A, B & C' RESPECTIVELY IN ASCE 19-16. "STRUCTURAL APPLICATIONS OF STEEL CABLES FOR BUILDINGS."
- ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS IN MAPPED GEOLOGIC HAZARD ZONE. GEOHAZARD REPORT REQUIREMENTS PER DSA IR A-4.
- ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS IN A MAPPED FIRE HAZARD SEVERITY ZONE OR WILDLAND INTERFACE AREA.

DRAWING NUMBER	DRAWING DESCRIPTION	STRUCTURE TYPE	MAX SIZE	MODEL NUMBER
P.C. T-1.0	P.C. TITLE SHEET			
P.C. T-2.0	DSA 103 SAMPLE FORM			
P.C. T-2.1	DSA 103 SAMPLE FORM			
P.C. T-3.0	DSA 103 SAMPLE FORM			
P.C. T-3.1	DSA 103 SAMPLE FORM			
16.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID	20 X 20	DSA1032020-19
16.2-2000	REACTIONS	SINGLE POST PYRAMID	20 X 20	DSA1032020-19
17.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID CANTILEVER	14 X 14	DSA1241414-19
17.2-2000	REACTIONS	SINGLE POST PYRAMID CANTILEVER	14 X 14	DSA1241414-19
18.1-1000	PRODUCT INFORMATION	TRIANGLE	25 X 25	DSA30125-19
18.2-2000	REACTIONS	TRIANGLE	25 X 25	DSA30125-19
19.1-1000	PRODUCT INFORMATION	TRIANGLE	40 X 40	DSA30140-19
19.2-2000	REACTIONS	TRIANGLE	40 X 40	DSA30140-19
20.1-1000	PRODUCT INFORMATION	HIP	20 X 30	DSA401203012-19
20.2-2000	REACTIONS	HIP	20 X 30	DSA401203012-19
21.1-1000	PRODUCT INFORMATION	HIP	30 X 30	DSA401303012-19
21.2-2000	REACTIONS	HIP	30 X 30	DSA401303012-19
22.1-1000	PRODUCT INFORMATION	HIP	30 X 40	DSA401304012-19
22.2-2000	REACTIONS	HIP	30 X 40	DSA401304012-19
23.1-1000	PRODUCT INFORMATION	HIP	40 X 40	DSA4014040-19
23.2-2000	REACTIONS	HIP	40 X 40	DSA4014040-19
24.1-1000	PRODUCT INFORMATION	JOINED HIPS	VARIES	DSA401J-19
24.2-1001	DETAILS	JOINED HIPS	VARIES	DSA401J-19
24.3-2000	REACTIONS	JOINED HIPS	VARIES	DSA401J-19
25.1-1000	PRODUCT INFORMATION	QUAD JOINED HIPS	VARIES	DSA401Q-19
25.2-1001	DETAILS	QUAD JOINED HIPS	VARIES	DSA401Q-19
25.3-2000	REACTIONS	QUAD JOINED HIPS	VARIES	DSA401Q-19
26.1-1000	PRODUCT INFORMATION	HEXAGON	40 Ø	DSA60340-19
26.2-2000	REACTIONS	HEXAGON	40 Ø	DSA60340-19
27.1-1000	PRODUCT INFORMATION	HEXAGON	60 Ø	DSA60360-19
27.2-2000	REACTIONS	HEXAGON	60 Ø	DSA60360-19
28.1-1000	PRODUCT INFORMATION	MARINER PEAK	30 X 40	DSA4073040-19
28.2-2000	REACTIONS	MARINER PEAK	30 X 40	DSA4073040-19

DRAWING NUMBER	DRAWING DESCRIPTION	STRUCTURE TYPE	MAX SIZE	MODEL NUMBER
TOTAL SHEET COUNT: 33 SHEETS				

BUILDING CODE DATA

GENERAL NOTES

UNIT SELECTION AND DESCRIPTION

ARCHITECT

ENGINEER

DAVID HIGGINSON, AIA, ARCHITECT
38868 BUTTERFLY DRIVE
YUCAIPA, CA 92399
(909) 499-0058
dhigginson.arch@gmail.com



MARK LOWE, STRUCTURAL ENGINEER
19471 MISTY RIDGE LANE
TRABUCO CANYON, CA 92367
PH. 949-400-1265
malowe@me.com



PRE-CHECK (PC) DOCUMENT

Code : 2019 CBC
A separate project application for construction is required.

Eng. By :	DWH	10/16/20
Design By :	DWH	10/16/20
Approved By :	DWH	10/16/20

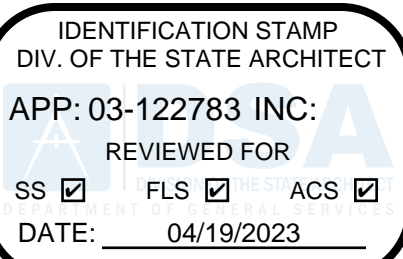
DRAWING DESCRIPTION:

P.C. TITLE SHEET

DWG.

SHEET **P.C. T-1.0**

REV.



DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2019 CBC

Application Number: 04-119454 School Name: TO BE DETERMINED School District: USA SHADE
Date Created: 2021-03-26 08:15:52

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC

Application Number: 04-119454 School Name: TO BE DETERMINED School District: USA SHADE
Date Created: 2021-03-26 08:15:52

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC

Application Number: 04-119454 School Name: TO BE DETERMINED School District: USA SHADE
Date Created: 2021-03-26 08:15:52

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

Application Number: 04-119454 School Name: TO BE DETERMINED School District: USA SHADE
Date Created: 2021-03-26 08:15:52

2019 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2019 CBC).

**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

Table with 2 columns: 1. TYPE, 2. PERFORMED BY. Includes definitions for Continuous, Periodic, and Test inspection types and GE, LOR, PI, SI performed by roles.

DGS DSA 103-19 (Revised 07/16/2020) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 1 of 19

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for drilling operations and pier verifications.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for retaining walls (placement, segmental, concrete, masonry).

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes item for other soils.

DGS DSA 103-19 (Revised 07/16/2020) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 4 of 19

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for shotcrete placement and sample testing.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for post-installed anchors.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes item for other concrete.

DGS DSA 103-19 (Revised 07/16/2020) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 8 of 19

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes item for high-strength bolts, nuts and washers.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for high-strength bolt installation (bearing type, pretensioned).

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes item for welding.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for material verification (filler material, welder qualifications).

DGS DSA 103-19 (Revised 07/16/2020) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 10 of 19

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC

Application Number: 04-119454 School Name: TO BE DETERMINED School District: USA SHADE
Date Created: 2021-03-26 08:15:52

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC

Application Number: 04-119454 School Name: TO BE DETERMINED School District: USA SHADE
Date Created: 2021-03-26 08:15:52

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC

Application Number: 04-119454 School Name: TO BE DETERMINED School District: USA SHADE
Date Created: 2021-03-26 08:15:52

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

Application Number: 04-119454 School Name: TO BE DETERMINED School District: USA SHADE
Date Created: 2021-03-26 08:15:52

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

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for general soil improvements and inspection of soil improvements.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for soil compaction and fill, and driven deep foundations (piles).

DGS DSA 103-19 (Revised 07/16/2020) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 2 of 19

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for soil improvements.

DGS DSA 103-19 (Revised 07/16/2020) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 5 of 19

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for shotcrete placement and sample testing.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for post-installed anchors.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes item for other concrete.

DGS DSA 103-19 (Revised 07/16/2020) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 8 of 19

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for shop welding (groove welds, fillet welds, welding of stairs).

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for field welding (groove welds, fillet welds, welding of reinforcing steel).

DGS DSA 103-19 (Revised 07/16/2020) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 11 of 19

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC

Application Number: 04-119454 School Name: TO BE DETERMINED School District: USA SHADE
Date Created: 2021-03-26 08:15:52

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC

Application Number: 04-119454 School Name: TO BE DETERMINED School District: USA SHADE
Date Created: 2021-03-26 08:15:52

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

Application Number: 04-119454 School Name: TO BE DETERMINED School District: USA SHADE
Date Created: 2021-03-26 08:15:52

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

Application Number: 04-119454 School Name: TO BE DETERMINED School District: USA SHADE
Date Created: 2021-03-26 08:15:52

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for pile materials, driving operations, and steel piles.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes item for cast-in-place deep foundations (piers).

DGS DSA 103-19 (Revised 07/16/2020) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 3 of 19

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for prestressing tendons and post-tensioning tendons.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for precast concrete.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes item for shotcrete.

DGS DSA 103-19 (Revised 07/16/2020) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 7 of 19

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for structural steel cold-formed steel and aluminum used for structural purposes.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes item for high-strength bolts.

DGS DSA 103-19 (Revised 07/16/2020) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 9 of 19

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items for cold-formed steel and reinforcing steel.

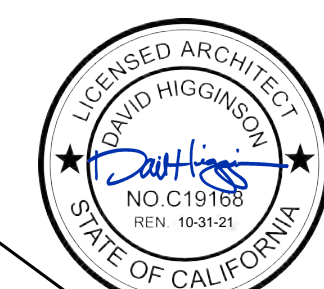
Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes item for nondestructive testing (ultrasonic).

DGS DSA 103-19 (Revised 07/16/2020) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 12 of 19

THE SAMPLE DSA-103 FORM SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTURE PROJECTS SPECIFIC FORM DSA-103. A CURRENT DSA-103 FORM IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL SAMPLE DSA-103 SHEETS ARE TO BE CROSSED OUT ON THIS DRAWING.

ADDITIONAL TESTING AND INSPECTION NOTES:

- 1. THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE SELECTED BY THE SCHOOL DISTRICT AND APPROVED BY DSA AND THE ARCHITECT OF RECORD.
2. THE SITE PROJECT INSPECTOR SHALL BE CLASS 2.
3. THE COSTS OF THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE BORNE BY THE SCHOOL DISTRICT.
4. COPIES OF VERIFIED REPORTS SHALL BE SENT TO DSA, THE ARCHITECT, THE SCHOOL DISTRICT, THE CONTRACTOR, AND THE PROJECT INSPECTOR.
5. THE IN-PLANT INSPECTOR SHALL BE WELDING SPECIAL INSPECTOR FOR MATERIAL VERIFICATION AND WELDING.
6. PER 2019 CBC, SECTION 1705A.3.3, BATCH PLANT INSPECTION MAY BE WAIVED WHEN THE FOLLOWING REQUIREMENTS ARE MET:
6.1. A LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
6.2. BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY THE TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR OF RECORD SHALL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK ITS LOAD, AND TIME OF RECEIPT AT THE SOURCE, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND SHALL MAINTAIN A COPY OF THE DAILY RECORD AS REQUIRED BY THE ENFORCEMENT AGENCY.



SAMPLE DSA 103 - STATEMENT OF STRUCTURAL TESTS AND INSPECTIONS FORM - FOR ALL UNITS EXCEPT CANTILEVER AND SINGLE POST UNITS

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN

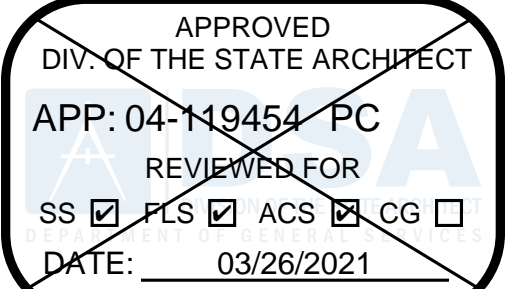


CORPORATE HEADQUARTERS 2580 ESTERS BLVD, SUITE 100 DFW AIRPORT, TX, 75261 800-966-5005

CERTIFICATIONS: IAS CERTIFICATION No: FA-428 CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER: Ventura Community College District PROJECT NAME: Ventura College

LOCATION: 4667 Telegraph Rd. Ventura, CA 93003 MODEL NUMBER:



STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE: D

PRE-CHECK (PC) DOCUMENT Code : 2019 CBC

A separate project application for construction is required.

Eng. By : DWH 10/16/20

Design By : DWH 10/16/20

Approved By : DWH 10/16/20

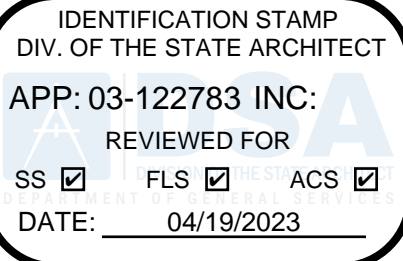
DRAWING DESCRIPTION:

DSA 103 SAMPLE FORM

DWG.

SHEET P.C. T-2.0

REV.



DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC
1705A.2.1, Table 1705A.2.1, AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16, AISI S100-16
Application Number: 04-119454
School Name: TO BE DETERMINED
School District: USA SHADE
Date Created: 2021-03-26 08:15:52
DSA File Number: Increment Number:

Table with 4 columns: Test, LOR, Code References and Notes. Row 1: b. Magnetic Particle, Test, LOR, 1705A.2.1, 1705A.2.5, AISC 341-16, J6.2, AISC 360-16 N5.5, ANSI/ASNT CP-189, SNT-TC-1A, AWS D1.1, AWS D1.8, DSA IR 17-2.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Row 1: 21. STEEL JOISTS AND TRUSSES: 1705A.2.1, Table 1705A.2.1, AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16, AISI S100-16.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Row 1: 22. SPRAY APPLIED FIRE-PROOFING: 1705A.2.1, Table 1705A.2.1, AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16, AISI S100-16.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 13 of 19

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC
1705A.2.1, Table 1705A.2.1, AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16, AISI S100-16
Application Number: 04-119454
School Name: TO BE DETERMINED
School District: USA SHADE
Date Created: 2021-03-26 08:15:52
DSA File Number: Increment Number:

Table with 4 columns: Test, LOR, Code References and Notes. Row 1: c. Test density, Test, LOR, 1705A.14.5.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Row 1: 23. ANCHOR BOLTS AND ANCHOR RODS.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Row 1: Other Steel.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 14 of 19

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections
Application Number: 04-119454
School Name: TO BE DETERMINED
School District: USA SHADE
Date Created: 2021-03-26 08:15:52
DSA File Number: Increment Number:

Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. Items marked as exempt shall be identified on the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.

Table with 4 columns: Test, LOR, Code References and Notes. Row 1: SOILS: 1. Deep foundations acting as a cantilever footing designed based on minimum allowable pressures per CBC Table 1806A.2 and having no geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 8'-0" above adjacent grade.

Table with 4 columns: Test, LOR, Code References and Notes. Row 1: CONCRETE/MASONRY: 1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see Item 7 for "Welding") given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding."

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 15 of 19

THE SAMPLE DSA-103 FORM SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTURE PROJECTS SPECIFIC FORM DSA-103. A CURRENT DSA-103 FORM IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL SAMPLE DSA-103 SHEETS ARE TO BE CROSSED OUT ON THIS DRAWING.

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections
Application Number: 04-119454
School Name: TO BE DETERMINED
School District: USA SHADE
Date Created: 2021-03-26 08:15:52
DSA File Number: Increment Number:

Table with 4 columns: Test, LOR, Code References and Notes. Row 1: 3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1.16. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.

Table with 4 columns: Test, LOR, Code References and Notes. Row 1: Welding: 1. Solid clad and open-mesh gates with maximum leaf span or rolling section for rolling gates of 10' and apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 16 of 19

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections
Application Number: 04-119454
School Name: TO BE DETERMINED
School District: USA SHADE
Date Created: 2021-03-26 08:15:52
DSA File Number: Increment Number:

Table with 4 columns: Test, LOR, Code References and Notes. Row 1: 6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for section 19, 19.1 and/or 19.2 located in the Steel/Aluminum category.

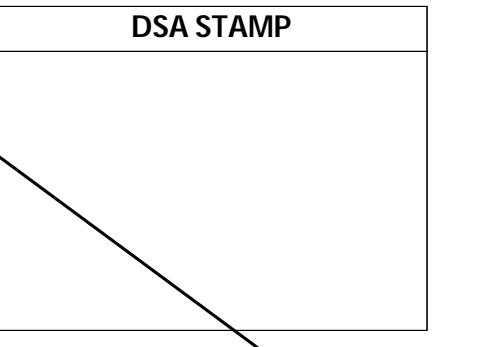
Table with 4 columns: Test, LOR, Code References and Notes. Row 1: 7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) <4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 psf for distributed systems.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 17 of 19

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SIGNATURE), 2019 CBC
Application Number: 04-119454
School Name: TO BE DETERMINED
School District: USA SHADE
Date Created: 2021-03-26 08:15:52
DSA File Number: Increment Number:

Name of Architect or Engineer in general responsible charge:
Name of Structural Engineer (When structural design has been designed):
Signature of Architect or Structural Engineer: Date:

Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.



DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 18 of 19

- ADDITIONAL TESTING AND INSPECTION NOTES:
1. THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE SELECTED BY THE SCHOOL DISTRICT AND APPROVED BY DSA AND THE ARCHITECT OF RECORD.
2. THE SITE PROJECT INSPECTOR SHALL BE CLASS 2.
3. THE COSTS OF THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE BORNE BY THE SCHOOL DISTRICT.
4. COPIES OF VERIFIED REPORTS SHALL BE SENT TO DSA, THE ARCHITECT, THE SCHOOL DISTRICT, THE CONTRACTOR, AND THE PROJECT INSPECTOR.
5. THE IN-PLANT INSPECTOR SHALL BE WELDING SPECIAL INSPECTOR FOR MATERIAL VERIFICATION AND WELDING.
6. PER 2019 CBC, SECTION 1705A.3.3, BATCH PLANT INSPECTION MAY BE WAIVED WHEN THE FOLLOWING REQUIREMENTS ARE MET:
6.1. A LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
6.2. BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY THE TRUCK DRIVER WITH LOAD IDENTIFIED THEREON.
7. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR OF RECORD SHALL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK ITS LOAD, AND TIME OF RECEIPT AT THE JOBSITE, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND SHALL MAINTAIN A COPY OF THE DAILY RECORD AS REQUIRED BY THE ENFORCEMENT AGENCY.



SAMPLE DSA 103 - STATEMENT OF STRUCTURAL TESTS AND INSPECTIONS FORM - FOR ALL UNITS EXCEPT CANTILEVER AND SINGLE POST UNITS

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN

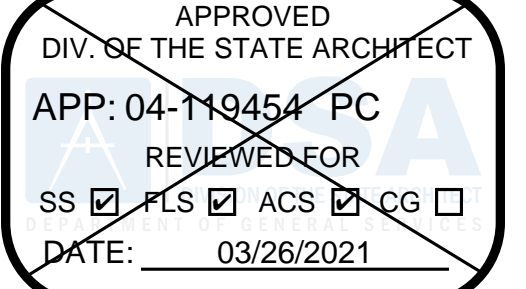


CORPORATE HEADQUARTERS
2580 ESTERS BLVD, SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Ventura Community College District
PROJECT NAME:
Ventura College

LOCATION:
4667 Telegraph Rd.
Ventura, CA 93003
MODEL NUMBER:



STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE: D

PRE-CHECK (PC) DOCUMENT
Code : 2019 CBC
A separate project application for construction is required.

Table with 3 columns: Role, Name, Date. Row 1: Eng. By: DWH, 10/16/20. Row 2: Design By: DWH, 10/16/20. Row 3: Approved By: DWH, 10/16/20.

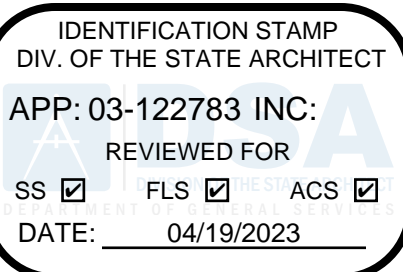
DRAWING DESCRIPTION:

DSA 103 SAMPLE FORM

DWG.

SHEET P.C. T-2.1

REV.



DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2019 CBC
Application Number: 04-119455
School Name: TBD
School District: USA Shade & Fabric Structures
Date Created: 2021-03-25 21:00:56

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC
Application Number: 04-119455
School Name: TBD
School District: USA Shade & Fabric Structures
Date Created: 2021-03-25 21:00:56

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2019 CBC
Application Number: 04-119455
School Name: TBD
School District: USA Shade & Fabric Structures
Date Created: 2021-03-25 21:00:56

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC
Application Number: 04-119455
School Name: TBD
School District: USA Shade & Fabric Structures
Date Created: 2021-03-25 21:00:56

2019 CBC
IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project.
Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector.
The actual complete test and inspection program must be performed as detailed on the DSA approved documents.
The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing.
The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2019 CBC).
**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections for 5. RETAINING WALLS and 6. OTHER SOILS.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections for 9. PRECAST CONCRETE and 10. SHOTCRETE.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections for 19. WELDING and 19.1 SHOP WELDING.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT
DEPARTMENT OF GENERAL SERVICES
Page 1 of 20
STATE OF CALIFORNIA

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT
DEPARTMENT OF GENERAL SERVICES
Page 4 of 20
STATE OF CALIFORNIA

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT
DEPARTMENT OF GENERAL SERVICES
Page 7 of 20
STATE OF CALIFORNIA

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT
DEPARTMENT OF GENERAL SERVICES
Page 10 of 20
STATE OF CALIFORNIA

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC
Application Number: 04-119455
School Name: TBD
School District: USA Shade & Fabric Structures
Date Created: 2021-03-25 21:00:56

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC
Application Number: 04-119455
School Name: TBD
School District: USA Shade & Fabric Structures
Date Created: 2021-03-25 21:00:56

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC
Application Number: 04-119455
School Name: TBD
School District: USA Shade & Fabric Structures
Date Created: 2021-03-25 21:00:56

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC
Application Number: 04-119455
School Name: TBD
School District: USA Shade & Fabric Structures
Date Created: 2021-03-25 21:00:56

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report. Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections for 5. SOIL IMPROVEMENTS and 6. OTHER SOILS.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections for 11. POST-INSTALLED ANCHORS and 12. OTHER CONCRETE.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections for 19.2 FIELD WELDING and 20. NONDESTRUCTIVE TESTING.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT
DEPARTMENT OF GENERAL SERVICES
Page 2 of 20
STATE OF CALIFORNIA

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT
DEPARTMENT OF GENERAL SERVICES
Page 5 of 20
STATE OF CALIFORNIA

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT
DEPARTMENT OF GENERAL SERVICES
Page 8 of 20
STATE OF CALIFORNIA

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT
DEPARTMENT OF GENERAL SERVICES
Page 11 of 20
STATE OF CALIFORNIA

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC
Application Number: 04-119455
School Name: TBD
School District: USA Shade & Fabric Structures
Date Created: 2021-03-25 21:00:56

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC
Application Number: 04-119455
School Name: TBD
School District: USA Shade & Fabric Structures
Date Created: 2021-03-25 21:00:56

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC
Application Number: 04-119455
School Name: TBD
School District: USA Shade & Fabric Structures
Date Created: 2021-03-25 21:00:56

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC
Application Number: 04-119455
School Name: TBD
School District: USA Shade & Fabric Structures
Date Created: 2021-03-25 21:00:56

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections for 4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS) and 7. CAST-IN-PLACE CONCRETE.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections for 7. CAST-IN-PLACE CONCRETE and 8. PRESTRESSED / POST-TENSIONED CONCRETE.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections for 17. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES and 18. HIGH-STRENGTH BOLTS: RCSC 2014.

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections for 19.3 FIELD WELDING and 20. NONDESTRUCTIVE TESTING.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT
DEPARTMENT OF GENERAL SERVICES
Page 3 of 20
STATE OF CALIFORNIA

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT
DEPARTMENT OF GENERAL SERVICES
Page 6 of 20
STATE OF CALIFORNIA

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT
DEPARTMENT OF GENERAL SERVICES
Page 9 of 20
STATE OF CALIFORNIA

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT
DEPARTMENT OF GENERAL SERVICES
Page 12 of 20
STATE OF CALIFORNIA

THE SAMPLE DSA-103 FORM SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTURE PROJECTS SPECIFIC FORM DSA-103. A CURRENT DSA-103 FORM IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL SAMPLE DSA-103 SHEETS ARE TO BE CROSSED OUT ON THIS DRAWING.

- ADDITIONAL TESTING AND INSPECTION NOTES:
1. THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE SELECTED BY THE SCHOOL DISTRICT AND APPROVED BY DSA AND THE ARCHITECT OF RECORD.
2. THE SITE PROJECT INSPECTOR SHALL BE CLASS 2.
3. THE COSTS OF THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE BORNE BY THE SCHOOL DISTRICT, THE CONTRACTOR, AND THE PROJECT INSPECTOR.
4. COPIES OF VERIFIED REPORTS SHALL BE SENT TO DSA, THE ARCHITECT, THE SCHOOL DISTRICT, THE CONTRACTOR, AND THE PROJECT INSPECTOR.
5. THE IN-PLANT INSPECTOR SHALL BE WELDING SPECIAL INSPECTOR FOR MATERIAL VERIFICATION AND WELDING.
6. PER 2019 CBC, SECTION 1705A.3.3, BATCH PLANT INSPECTION MAY BE WAIVED WHEN THE FOLLOWING REQUIREMENTS ARE MET:
6.1. A LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
6.2. BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY THE TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR OF RECORD SHALL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK'S LOAD, AND TIME OF RECEIPT AT THE JURISDICTION AND APPROXIMATE LOCATION OF DEPOSIT OF THE STRUCTURE AND SHALL MAINTAIN A COPY OF THE DAILY RECORD AS REQUIRED BY THE ENFORCEMENT AGENCY.



SAMPLE DSA 103 - STATEMENT OF STRUCTURAL TESTS AND INSPECTIONS FORM - FOR CANTILEVER AND SINGLE POST UNITS

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN

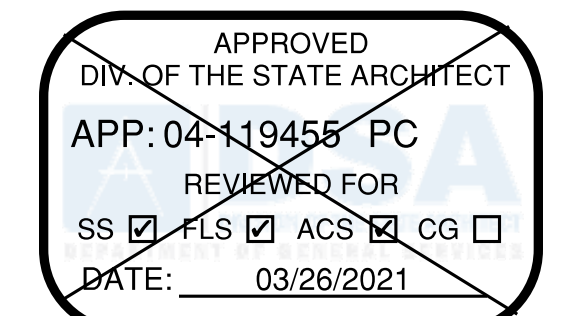


CORPORATE HEADQUARTERS
2580 ESTERS BLVD, SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Ventura Community College District
PROJECT NAME:
Ventura College

LOCATION:
4667 Telegraph Rd.
Ventura, CA 93003
MODEL NUMBER:



STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE: D

PRE-CHECK (PC) DOCUMENT
Code : 2019 CBC
A separate project application for construction is required.

Eng. By : DWH 09/18/20
Design By : DWH 09/18/20
Approved By : DWH 09/18/20

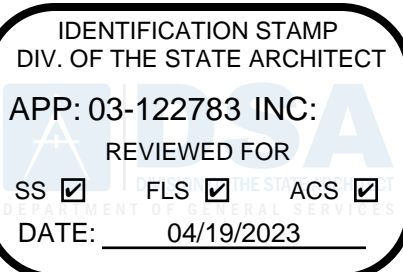
DRAWING DESCRIPTION:

DSA 103 SAMPLE FORMS

DWG.

SHEET P.C. T-3.0

REV.



DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

Table 2.1, Table 1705A.2.1, AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16, AISI S100-16
Application Number: School Name: School District:
04-119455 TBD USA Shade & Fabric Structures
Date Created:
DSA File Number: Increment Number: 2021-03-25 21:00:56

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items like Magnetic Particle, Steel Joists and Trusses, and Spray Applied Fire-Proofing.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 13 of 20

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

Table 2.1, Table 1705A.2.1, AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16, AISI S100-16
Application Number: School Name: School District:
04-119455 TBD USA Shade & Fabric Structures
Date Created:
DSA File Number: Increment Number: 2021-03-25 21:00:56

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items like Test density, Anchor Bolts and Anchor Rods, and Other Steel.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 14 of 20

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Other), 2019 CBC

School Name: School District:
04-119455 TBD USA Shade & Fabric Structures
Date Created:
DSA File Number: Increment Number: 2021-03-25 21:00:56

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes items like Load test for identified products, Installation torque for non-HS bolts, and Other.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 15 of 20

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number: School Name: School District:
04-119455 TBD USA Shade & Fabric Structures
Date Created:
DSA File Number: Increment Number: 2021-03-25 21:00:56

Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. Items marked as exempt shall be identified on the approved construction documents.

Table with 2 columns: SOILS, CONCRETE/MASONRY. Lists exemptions for deep foundations, shallow foundations, and concrete batch plant inspection.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 16 of 20

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number: School Name: School District:
04-119455 TBD USA Shade & Fabric Structures
Date Created:
DSA File Number: Increment Number: 2021-03-25 21:00:56

Table with 2 columns: Welding. Lists exemptions for solid-clad and open-mesh gates, handrails, and non-structural interior cold-formed steel framing.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 17 of 20

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number: School Name: School District:
04-119455 TBD USA Shade & Fabric Structures
Date Created:
DSA File Number: Increment Number: 2021-03-25 21:00:56

Table with 2 columns: TV Brackets, projector mounts with a valid listing (per DSA IR A-5) and recreational equipment.

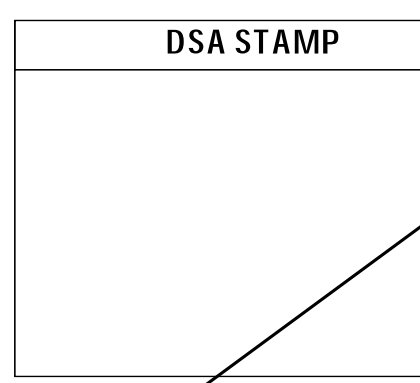
DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 18 of 20

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS(SIGNATURE), 2019 CBC

Application Number: School Name: School District:
04-119455 TBD USA Shade & Fabric Structures
Date Created:
DSA File Number: Increment Number: 2021-03-25 21:00:56

Form for Name of Architect or Engineer in general responsible charge, Name of Structural Engineer, and Signature of Architect or Structural Engineer.

Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.



DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 19 of 20

DSA 103-19: LIST OF REQUIRED VERIFIED REPORTS, CBC 2019

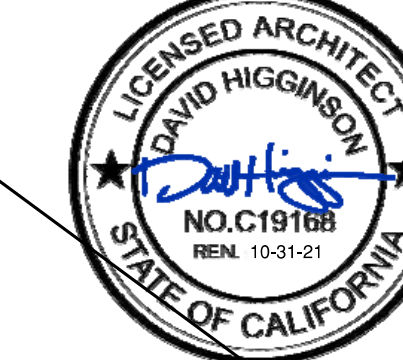
Application Number: School Name: School District:
04-119455 TBD USA Shade & Fabric Structures
Date Created:
DSA File Number: Increment Number: 2021-03-25 21:00:56

- 1. Soils Testing and Inspection: Geotechnical Verified Report Form DSA 293
2. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
3. Post-installed Anchors: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
4. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 20 of 20

THE SAMPLE DSA-103 FORM SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTURE PROJECTS SPECIFIC FORM DSA-103. A CURRENT DSA-103 FORM IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL SAMPLE DSA-103 SHEETS ARE TO BE CROSSED OUT ON THIS DRAWING.

- ADDITIONAL TESTING AND INSPECTION NOTES:
1. THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE SELECTED BY THE SCHOOL DISTRICT AND APPROVED BY DSA AND THE ARCHITECT OF RECORD.
2. THE SITE PROJECT INSPECTOR SHALL BE CLASS 2.
3. THE COSTS OF THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE BORN BY THE SCHOOL DISTRICT.
4. COPIES OF VERIFIED REPORTS SHALL BE SENT TO DSA, THE ARCHITECT, THE SCHOOL DISTRICT, THE CONTRACTOR, AND THE PROJECT INSPECTOR.
5. THE IN PLANT INSPECTOR SHALL BE WELDING SPECIAL INSPECTOR FOR MATERIAL VERIFICATION AND WELDING. PER 2019 CBC, SECTION 1705A.3.3, BATCH PLANT INSPECTION MAY BE WAIVED WHEN THE FOLLOWING REQUIREMENTS ARE MET:
6.1. A LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
6.2. BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD. SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY THE TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR OF RECORD SHALL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK ITS LOAD, AND TIME OF RECEIPT AT THE JOBSITE, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND SHALL MAINTAIN A COPY OF THE DAILY RECORD AS REQUIRED BY THE ENFORCEMENT AGENCY.



SAMPLE DSA 103 - STATEMENT OF STRUCTURAL TESTS AND INSPECTIONS FORM - FOR CANTILEVER AND SINGLE POST UNITS

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN



CORPORATE HEADQUARTERS
2580 ESTERS BLVD, SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Ventura Community College District
PROJECT NAME:
Ventura College

LOCATION:
4667 Telegraph Rd.
Ventura, CA 93003
MODEL NUMBER:

STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE: D

PRE-CHECK (PC) DOCUMENT
Code : 2019 CBC
A separate project application for construction is required.

Eng. By : DWH 09/14/20
Design By : DWH 09/14/20
Approved By : DWH 09/14/20

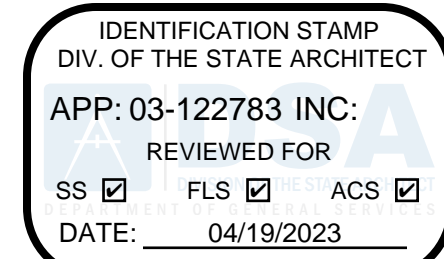
DRAWING DESCRIPTION:

DSA 103 SAMPLE FORMS

DWG.

SHEET P.C. T-3.1

REV.



GENERAL NOTES
DESIGN LOADS

BUILDING CODE CBC 2019 (BASED ON IBC 2018)
 WIND LOADS 5 PSF
 SNOW LOAD 5 PSF
 WIND LOADS 115 MPH (3-Sec. Gust); EXPOSURE C; TOPOGRAPHIC FACTOR, Kzt = 1.0

1.- SPECIAL INSPECTION REQUIREMENTS SHALL FOLLOW THE ATTACHED SAMPLE TEST AND INSPECTION LIST (T & I LIST) APPROVED BY DSA. THE SHOP WELDING INSPECTION SHALL INCLUDE WELDING OF ALL STEEL MEMBERS AND IDENTIFICATION OF STEEL THROUGH MILL CERTIFICATE OR MATERIAL TESTING. UNCERTIFIED STEEL SHALL BE TESTED TO THE REQUIREMENTS OF CBC 2019 CHAPTER 17A. THE FIELD SPECIAL INSPECTION SHALL INCLUDE COMPRESSION CYLINDER TESTS FOR THE CONCRETE FOUNDATION.

2.- STRUCTURE SHALL BE IN THE LOCATION SHOWN ON THE SITE SPECIFIC DSA APPLICATION DRAWING.

3.- FOUNDATION DESIGN BASED ON CBC 2019, TABLE 1806A.2, SOIL CLASS 5 (ALLOWABLE FOUNDATION PRESSURE 1500 PSF)

4.- DESIGN PER FOLLOWING CODES: CBC 2019, ASCE 7-16, AISC 360-16, AISC 341-16, ACI 318-14, ASCE 55-16 & ASCE 19-16

STRUCTURAL STEEL

1.- FABRICATION OF THE STEEL STRUCTURES SHALL BE PERFORMED BY SHADE STRUCTURES OR AN AUTHORIZED LICENSEE. MATERIAL TESTING (OR MILL CERTIFICATES) AND INSPECTION OF WELDING SHALL BE CONDUCTED PER CBC 2019 SECTIONS 1704A, 1705A, 1705A.2, AND TABLE 1705A.2.1.

2.- ONLY CALIFORNIA LICENSED CONTRACTORS AUTHORIZED BY SHADE STRUCTURES SHALL INSTALL THE SHADE STRUCTURES.

3.- ALL WORK SHALL CONFORM TO CBC 2019 EDITION, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

4.- ALL GALVANIZED STEEL TUBE PRODUCTS MANUFACTURED BY ALLIED TUBE & CONDUIT FOR THIS STRUCTURE SHALL BE, AND CONFORM TO ASTM A500-16, IN ITS ENTIRETY. TYPICAL MECHANICAL PROPERTIES ARE:
 ROUND TUBE 42,000 PSI YIELD STRESS MINIMUM / 48,000 PSI TENSILE STRESS MINIMUM

5.- ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE B, UNLESS OTHERWISE NOTED. TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR HSS PRODUCTS:
 SQUARE AND RECTANGULAR 46,000 PSI YIELD STRESS / 58,000 PSI TENSILE STRESS
 ROUND PIPE 42,000 PSI YIELD STRESS / 58,000 PSI TENSILE STRESS

6.- ALL PLATES PRODUCTS SHALL COMPLY WITH ASTM A572 GRADE 50.

7.- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERRECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.

8.- ALL WELDING TO CONFORM WITH AMERICAN WELDING SOCIETY STANDARDS AND SHALL BE INSPECTED BY AN AWS/CWI INSPECTOR. AWS D1.1 FOR HOT ROLLED, AWS D1.3 FOR SHEET/COLD FORMED, AWS D1.8 SEISMIC SUPPLEMENT.

9.- ALL FULL PENETRATION WELD SHALL BE CONTINUOUSLY INSPECTED PER AWS D1.1 & D1.8.

10.- SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. FIELD CONNECTIONS SHALL BE AS INDICATED ON THE DRAWINGS (IF REQUIRED). ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" ER70SX ELECTRODES UNLESS OTHERWISE NOTED. EITHER SMAW OR GMAW IS ACCEPTABLE.

11.- ALL STAINLESS STEEL BOLTS SHALL COMPLY WITH ASTM F-593, YIELD STRENGTH= 65 KSI, TENSILE STRENGTH=100 KSI MINIMUM, ALLOY GROUP 1, CONDITION CW1, ALL NUTS SHALL COMPLY WITH ASTM F-594 ALLOY GROUP 1, CONDITION CW1. REFERRING TO RCSC, ASTM F-593 IS NOT CONSIDERED AS HIGH STRENGTH BOLTS.

12.- ALL STRUCTURAL STEEL (ITEMS FROM NOTE 5) SHALL BE POWDER COATED WITH ONE SHOP COAT (2.5 MILS MIN.) OF ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT, OR EQUIVALENT PAINT SYSTEM. THIS COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TGIC (MANUFACTURED BY SHERWIN WILLIAMS, ASKO NOBEL, PPG OR TIGER DRYLAC), TO ACHIEVE OPTIMUM ADHESION. IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS:
 - PENCIL HARDNESS (ASTM D-3363) - HUMIDITY (ASTM D-2247)
 - SOLVENT RESISTANCE (PCI METHOD) - 50 DBL RUBS SL. SOFTNESS.

13.- ALL STEEL ROUND TUBING (ITEMS FROM NOTE 4) SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS. TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.

14.- COLD-FORMED STEEL MEMBERS SHALL BE 55% ALUMINUM ZINC ALLOY COATED PER ASTM A752/752M STANDARD IN ACCORDANCE TO ANSI S300 TABLE A4-1. G70 COATING DESIGNATION. ALL EXPOSED STEEL FASTENERS SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT DIP GALVANIZED (ASTM A153, CLASS D MINIMUM OR ASTM F2329), OR PROTECTED WITH CORROSION PREVENTIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST IN MINIMUM 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT.

CONCRETE SPECIFICATION

1.- CONCRETE SHALL BE SAMPLED AND TESTED PER CBC 2019 SECTION 1903A & SHALL BE INSPECTED PER SECTION 1903A.

2.- CONCRETE TO BE F_{cc} 4500 PSI, TYPE V CEMENT, WATER/CEMENT RATIO OF 0.45, PER ACI 318-14 CHAPTER 5, REINFORCING STEEL TO BE F_y = 60000 PSI, MIN. GR. 60

3.- ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 55 (GALVANIZED PER ASTM A153, CLASS D MINIMUM OR ASTM F232). ANCHOR BOLTS EMBEDMENT NEEDS TO BE AS FOLLOWS:
 A) ANCHOR BOLT Ø1 1/4" 30 IN (MINIMUM EMBEDMENT)

4.- CERTIFIED MILL TEST REPORTS ARE TO BE PROVIDED FOR EACH SHIPMENT OF REINFORCEMENT.

5.- ALL NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 5000 PSI, AND SHALL COMPLY THE REQUIREMENTS OF ASTM C109, ASTM C939, ASTM C1090, ASTM C1107, WHEN APPLICABLE.

FABRIC SPECIFICATION

1.- FABRIC SHALL BE MANUFACTURED BY MULTIKINT LTD. OR OTHER COMPANY WHO CAN MANUFACTURE FABRIC, WHICH MEETS THE SPECIFICATIONS LISTED ON PAGE 2000, AND SHALL BE FABRICATED FROM POLYETHYLENE MATERIALS.

2.- THE FABRIC SHALL RETAIN 80% OF ITS TENSILE AND TEARING STRENGTH AFTER ULTRAVIOLET EXPOSURE PER ASTM G53 USING A 313 NM LIGHT SOURCE FOR 500 HOURS WHILE MOISTENED FOR 1 HOUR EVERY 12 HOURS.

3.- PROVIDE CERTIFICATION BY MANUFACTURER AND STATE FIRE MARSHAL TO SCHOOL'S DISTRICT INSPECTOR OF RECORD AT SITE SPECIFIC INSTALLATION. COPY OF FIRE CERTIFICATION SHALL BE SENT TO DSA.

4.- FABRIC SHALL REQUIRE ANNUAL INSPECTION AND MAINTENANCE BY THE DISTRICT. FABRICS SAMPLES OF THE SAME MATERIAL WHICH ARE MAINTAINED AT THE PROJECTS SITE SHALL BE TESTED TO BE IN COMPLIANCE WITH ASTM D5034 AND D2251. THE ANNUAL TESTING ON THE APPROVED PLANS SHALL BE COMPARED TO THE FABRIC SPECIFICATIONS INDICATED IN NOTE 1 OF "FABRIC SPECIFICATION" OR THE APPROVED PLANS. THE FABRIC SHALL BE REPLACED WHEN THE TEST RESULTS RETURN LESS THAN 50% OF THE ULTIMATE VALUES IN NOTE 1 OF "FABRIC SPECIFICATION". FIRE TEST ON FABRIC: NFPA 701 TEST 2 AND ASTM E 84 EXTENDED 30 MINUTES TEST, FLAME SPREAD INDEX (FSI): 10, SMOKE DEVELOPED INDEX (SDI): 50. FABRIC IS ACCEPTABLE FOR USE IN WILDLIFE URBAN INTERFACE AREA.

5.- FABRIC TOP NEEDS TO BE REMOVED IF SNOW EXCEEDING 5 PSF ARE ANTICIPATED, FABRIC TOP NEEDS TO BE REMOVED IF WINDS EXCEEDING 115 MPH ARE ANTICIPATED.

6.- A VISUAL INSPECTION LOOKING FOR TEAR AND ABNORMAL WEAR IN FABRIC MATERIAL AND THREAD IS REQUIRED PRIOR TO RE-INSTALLATION. USA SHADE & FABRIC STRUCTURES SHALL BE NOTIFIED IF SIGNIFICANT DAMAGE IS PRESENT BEFORE RE-INSTALLATION.

AIRCRAFT CABLE

1.- FOR FABRIC ATTACHMENT USE 3/8" 7x19 GALV. CABLE PER ASTM A1023A, ASTM 1023M-02, WITH A BREAKING STRENGTH VALUE OF 14,400 LBS. CABLE SHALL BE TENSIONED TO 250 LBS MINIMUM. THE MAXIMUM CALCULATED CABLE ALLOWABLE CAPACITY IS 5a=4909 LB.

2.- CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTING VISITS AS REQUIRED.

2019 CBC PC DESIGN NOTES

FLOOR LIVE LOAD N/A
 ROOF LIVE LOAD 5 PSF

ALLOWABLE SOIL PRESSURE:
 DL + LL (CONC FTG) 1500 PSF
 DL + LL + SEISMIC (CONC FTG) 1500 PSF
 LATERAL BEARING DESIGN VALUE 100 PSF/FT BELOW NATURAL GRADE, PER TABLE 1806A.2

TWO TIMES THE TABULAR VALUE IS USED (200 PSF/FT)
 PER CBC SECTION 1806A.3.4.

ALLOWABLE PIER FRICTIONAL RESISTANCE 250 PSF MAXIMUM
 BASED ON SECTION 1810A.3.3.1.4 (ONE-SIXTH OF THE BEARING VALUE).
 UPLIFT FRICTIONAL RESISTANCE HAVE A SAFETY FACTOR OF 3.

ROOF SNOW LOAD 5 PSF
 ICE LOAD ZERO PSF
 FLOOD HAZARD AREA NO
 WHEN A SITE SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A SOILS ENGINEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED IN THE PC ARE STILL APPLICABLE.

WIND DESIGN DIRECTIONAL PROCEDURE: ASCE 7-16, SECTION 27.3.2
 -BASIC DESIGN WIND SPEED (3 SEC GUST) V C 115 MPH

-WIND EXPOSURE FACTOR Kzt 1
 -TOPOGRAPHIC FACTOR Kd 1
 -RISK CATEGORY II
 -VELOCITY PRESSURE EXPOSURE COEFFICIENT Kz 0.85
 -VELOCITY PRESSURE qz 24.46 PSF

SEISMIC DESIGN:
 -SITE CLASS D

-SPECTRAL RESPONSE COEFFICIENTS SDS 2.00
 SD1 1.39

-LATERAL FORCE RESISTING SYSTEM G.2 ORDINARY CANTILEVERED COLUMN SYSTEM.

-SEISMIC IMPORTANCE FACTOR I 1.0
 -DESIGN BASE SHEAR V 2275 LB
 -SEISMIC RESPONSE COEFFICIENTS Cs 1.6
 -RESPONSE MODIFICATION FACTOR R 1.25
 -ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE
 -RISK CATEGORY II

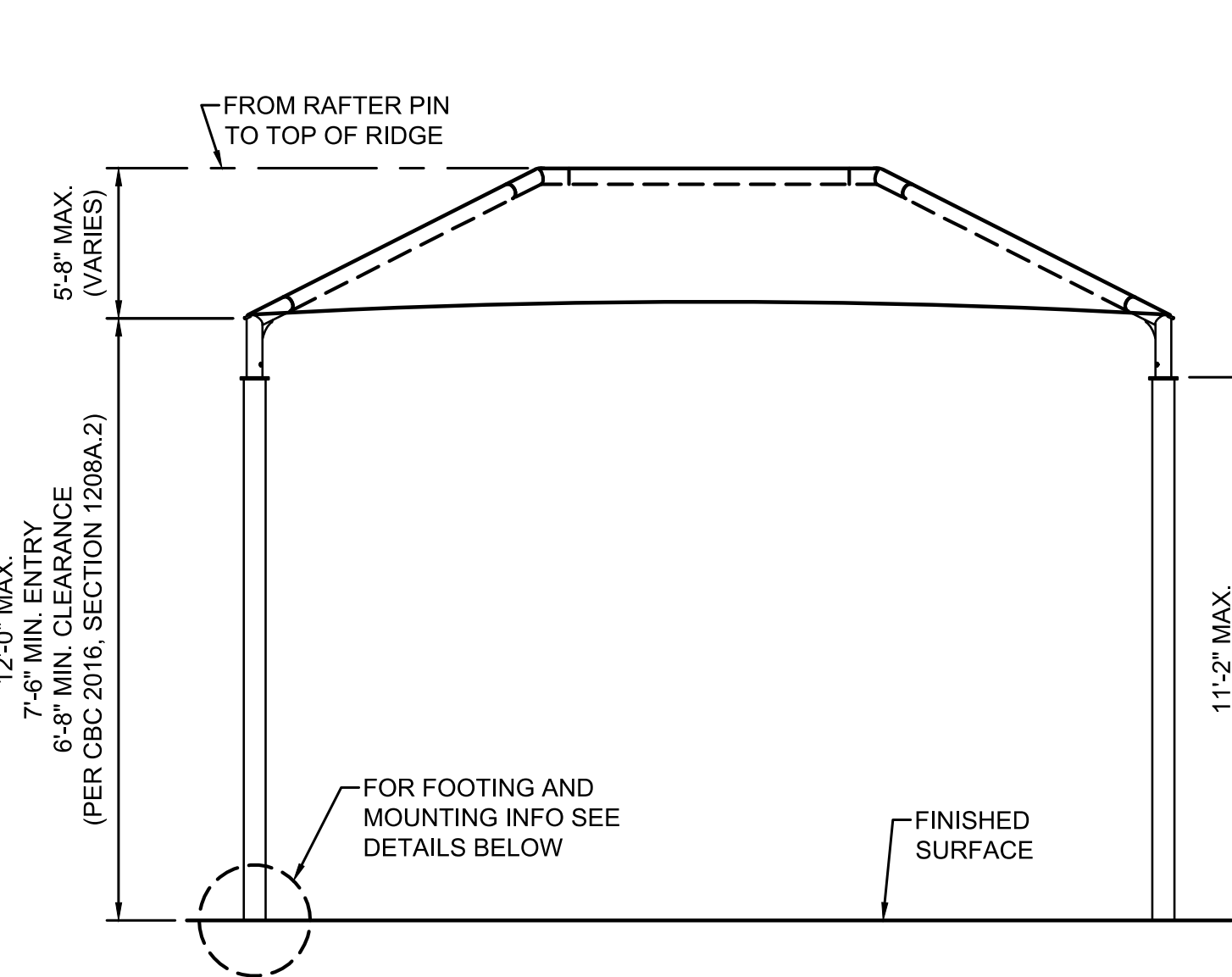
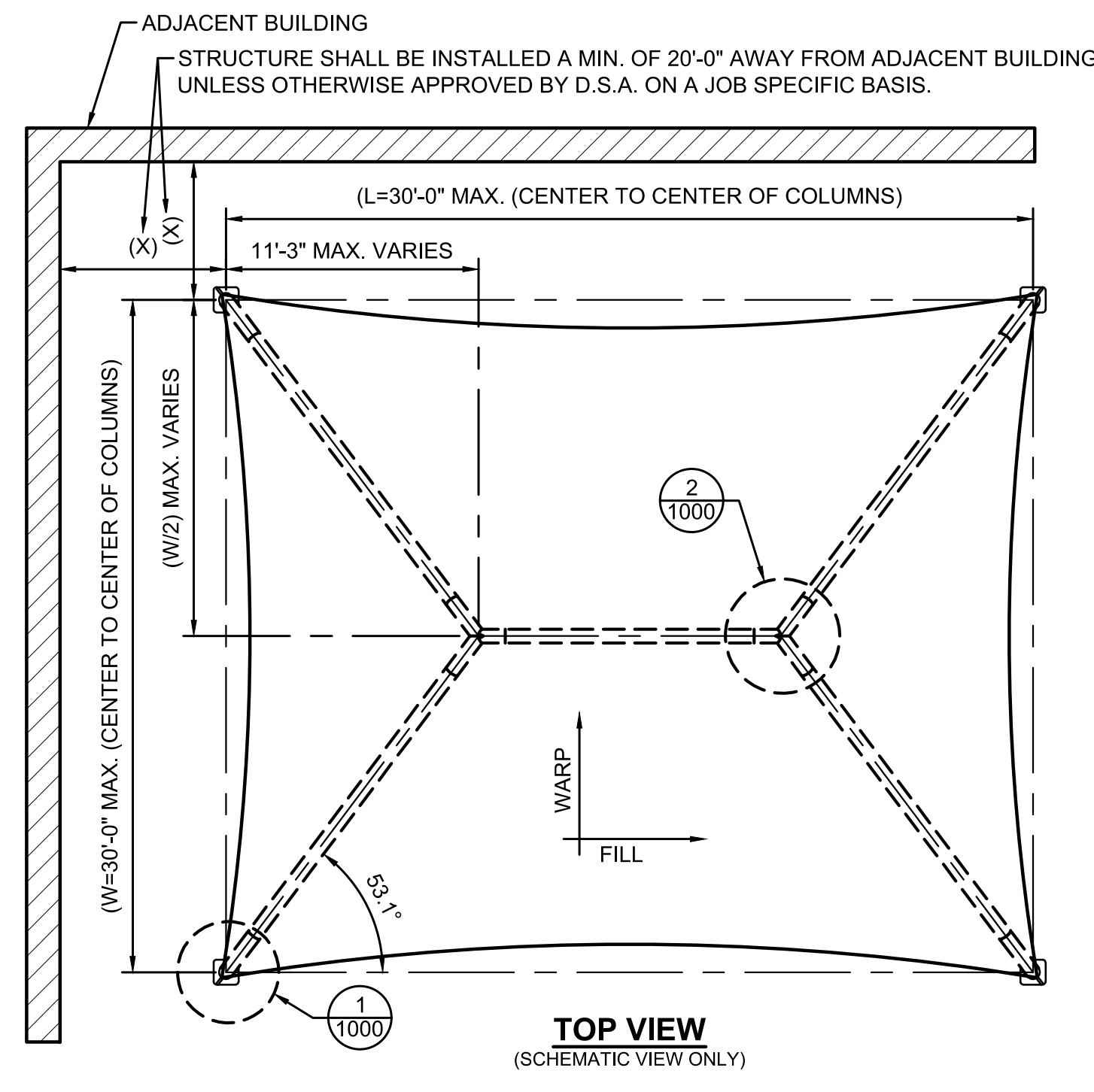
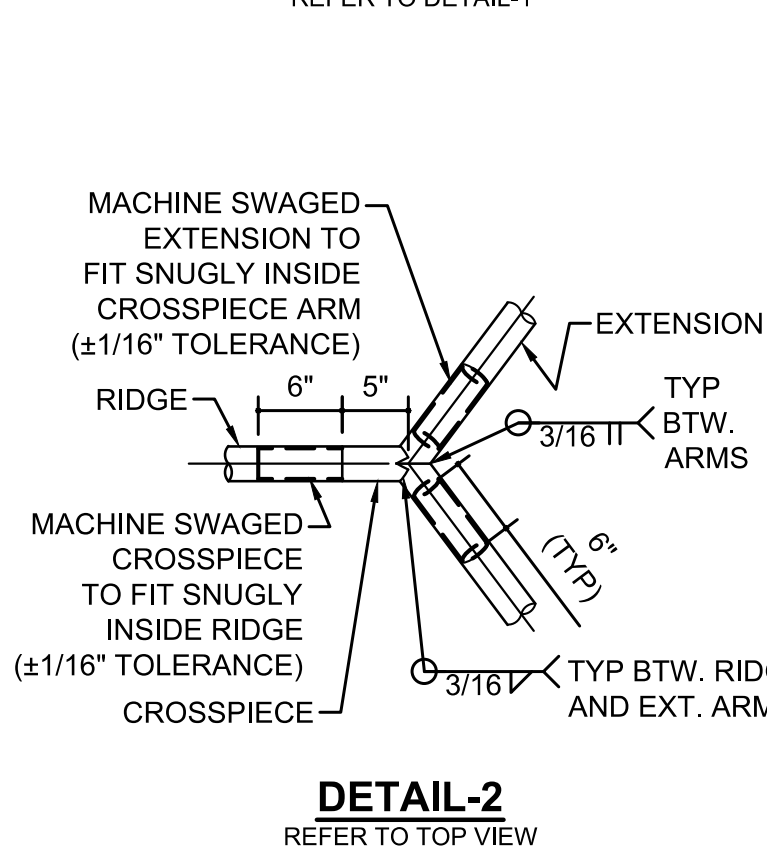
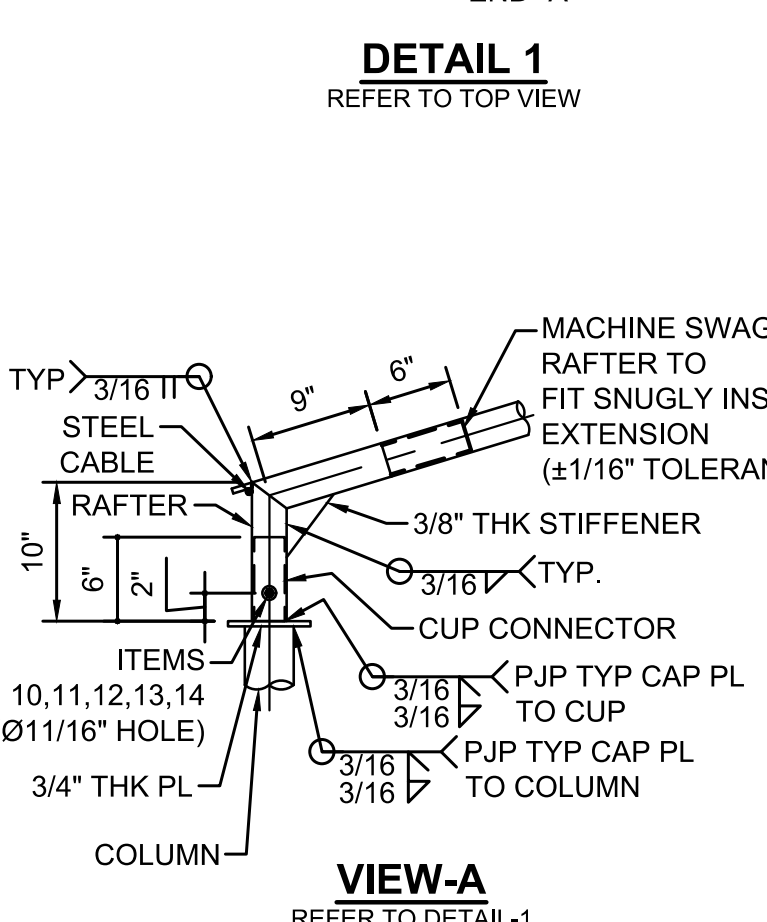
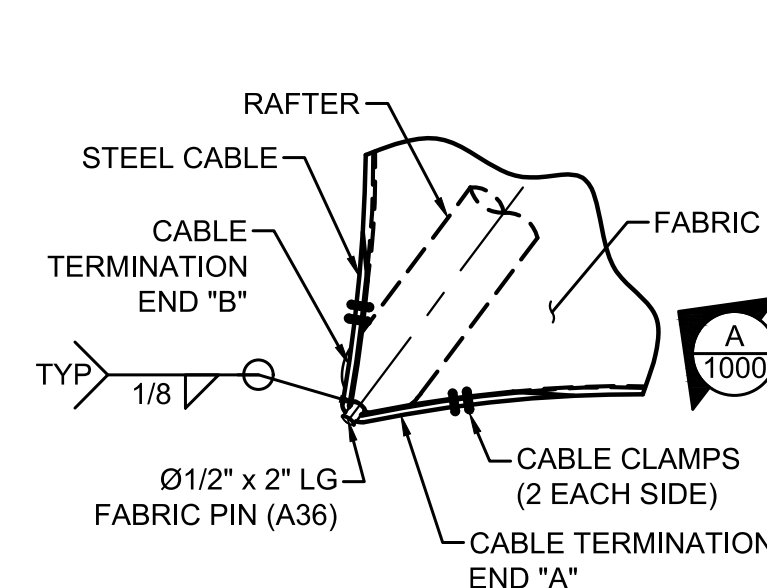
-SEISMIC DESIGN CATEGORY E
 -SITE COEFFICIENT CATEGORY Fv 1.5

GEOHAZARD REPORT IS NOT REQUIRED FOR OPEN FABRIC STRUCTURES 1,600 SQF OR LESS, COMPLYING WITH THE REQUIREMENTS OF IR A-4 SECTION 3.1.1. OPEN FABRIC SHADE STRUCTURES GREATER THAN 1,600 SQUARE FEET UP TO A MAXIMUM OF 4,000 SQUARE FEET AND COMPLYING WITH THE REQUIREMENTS NOTED IN IR A-4 SECTION 3.1.1. DO NOT REQUIRE A GEOHAZARD REPORT PROVIDED A GEOTECHNICAL REPORT INDICATES THAT NO LIQUEFACTION POTENTIAL EXISTS.

ARCHITECT OF RECORD TO DETERMINE IF SPECIFIC SITE IS IN GEOLOGIC HAZARD ZONE. GEOHAZARD REPORT REQUIREMENTS PER DSA IR A-4.
 PC OPTIONS SHALL NOT INCLUDE LIQUEFIABLE SOIL (EXCEPTION: OPEN FABRIC SHADE STRUCTURES 1,600 SQUARE FEET OR LESS COMPLYING WITH REQUIREMENTS OF IR A-4 SECTION 3.1.1). IF STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND REGULAR PROJECT SUBMITTAL IS REQUIRED. IF SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY BE PRESUMED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD.

MINIMUM FOUNDATION SETBACK LIMIT IN ADJACENT SLOPE: THE DEPTH OF REQUIRED PIER EMBEDMENT SHALL START FROM AN ELEVATION THAT CORRESPONDS WITH A HORIZONTAL CLEAR DISTANCE OF 14 FEET THAT INTERSECT WITH THE SLOPE (DAYLIGHTING). IF SETBACK LIMITS ARE SMALLER THAN CBC REQUIRES, A SITE-SPECIFIC SOILS REPORT IS REQUIRED.
 MINIMUM CLASS 2 PROJECT INSPECTOR REQUIRED.

CODE ANALYSIS					
BUILDING	OCCUPANCY	CONST. TYPE	AREA (SQ. FT.)	OCCUPANT LOAD FACTOR	OCCUPANT LOAD
SHADE STRUCTURE					



LIST OF MATERIALS			
ITEM	QTY	DESCRIPTION	MATERIAL
1	4	COLUMN	HSS 5.0 x 5.0 x 0.250
2	4	CUP CONNECTOR (6" LG)	HSS 4.0 x 0.25
3	4	RAFTER (GALVANIZED STEEL TUBE)	4.50 GA 7 RD. TUBE (4.5 x 0.188)
4	4	EXTENSION (GALVANIZED STEEL TUBE)	4.50 GA 7 RD. TUBE (4.5 x 0.188)
5	2	CROSSPIECE (GALVANIZED STEEL TUBE)	4.50 GA 7 RD. TUBE (4.5 x 0.188)
6	1	RIDGE (GALVANIZED STEEL TUBE)	4.50 GA 7 RD. TUBE (4.5 x 0.188)
7	1	FABRIC TOP	FR COLOURSHADE Z25
8	1	Ø3/8" CABLE	GALVANIZED STEEL
9	4	Ø3/8" GALV. CLAMP	GALVANIZED STEEL
10	4	Ø5/8"-11NC x 6" HEX BOLT	18-8 SS
11	4	Ø5/8"-11NC HEX NUT	18-8 SS
12	8	Ø5/8" FLAT WASHER	18-8 SS
13	8	Ø5/8" FLAT WASHER	DELFIN (ACETAL)
14	4	Ø5/8" SPLIT LOCK WASHER	18-8 SS

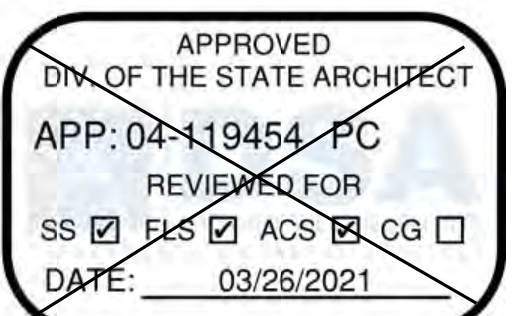
THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

USASHADE & Fabric Structures
 CORPORATE HEADQUARTERS
 2580 ESTERS BLVD, SUITE 100
 DFW AIRPORT, TX, 75261
 800-966-5005

CERTIFICATIONS:
 IAS CERTIFICATION No: FA-428
 CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
 Ventura Community College District
PROJECT NAME:
 Ventura College

LOCATION:
 4667 Telegraph Rd.
 Ventura, CA 93003
MODEL NUMBER:
 DSA401303012-19



STRUCTURE TYPE:
 H I P
 DSA

SIZE:
 MAXIMUM
 30' x 30' x 12'6 MAX.

SCALE: NONE

DRAWING SIZE:
 D

PRE-CHECK (PC) DOCUMENT
 Code : 2019 CBC
 A separate project application for construction is required.

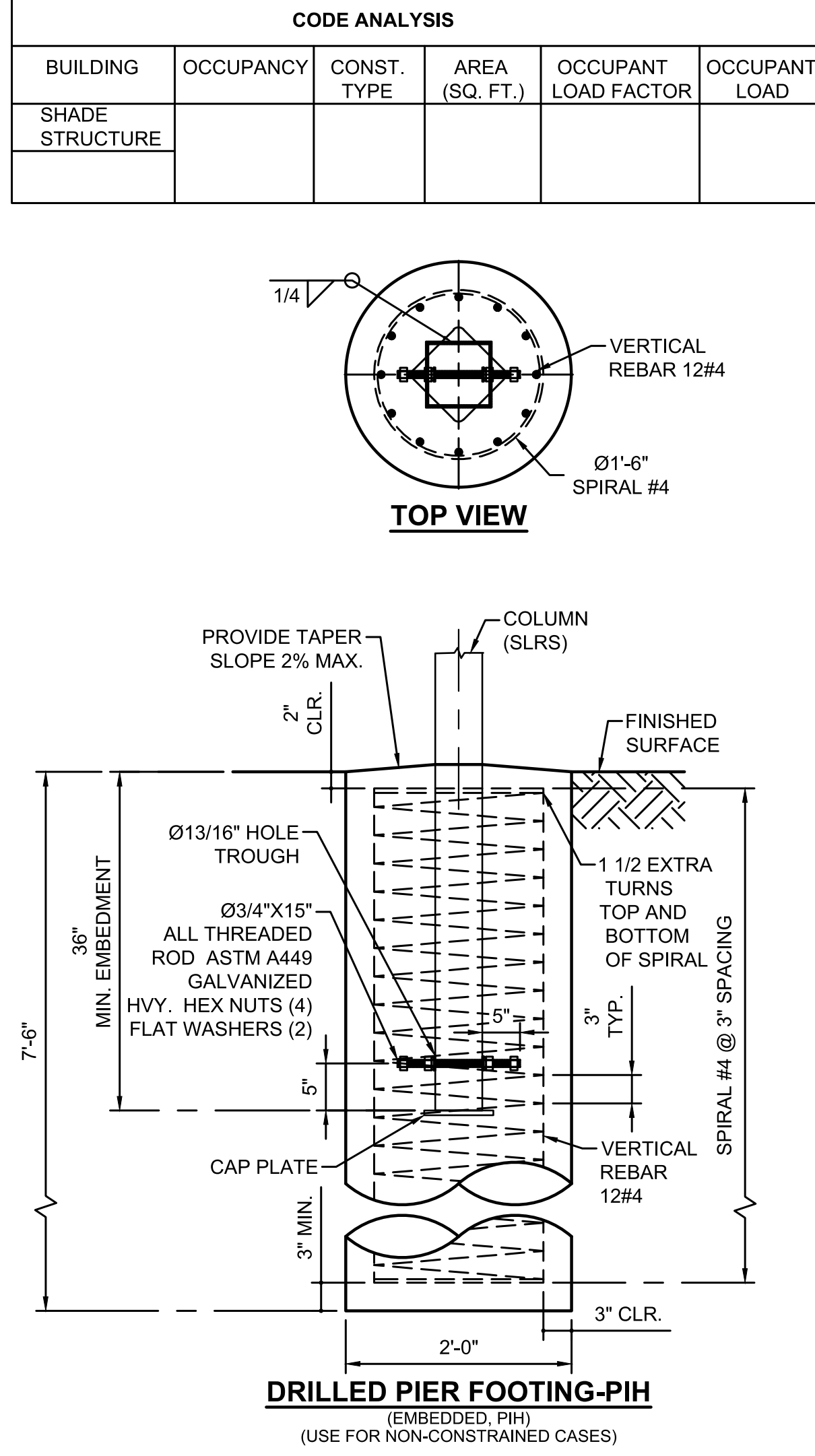
Eng. By :	JO	08/15/20
Design By :	MP	08/15/20
Approved By :	JO	08/15/20

DRAWING DESCRIPTION:
 PRODUCT INFORMATION

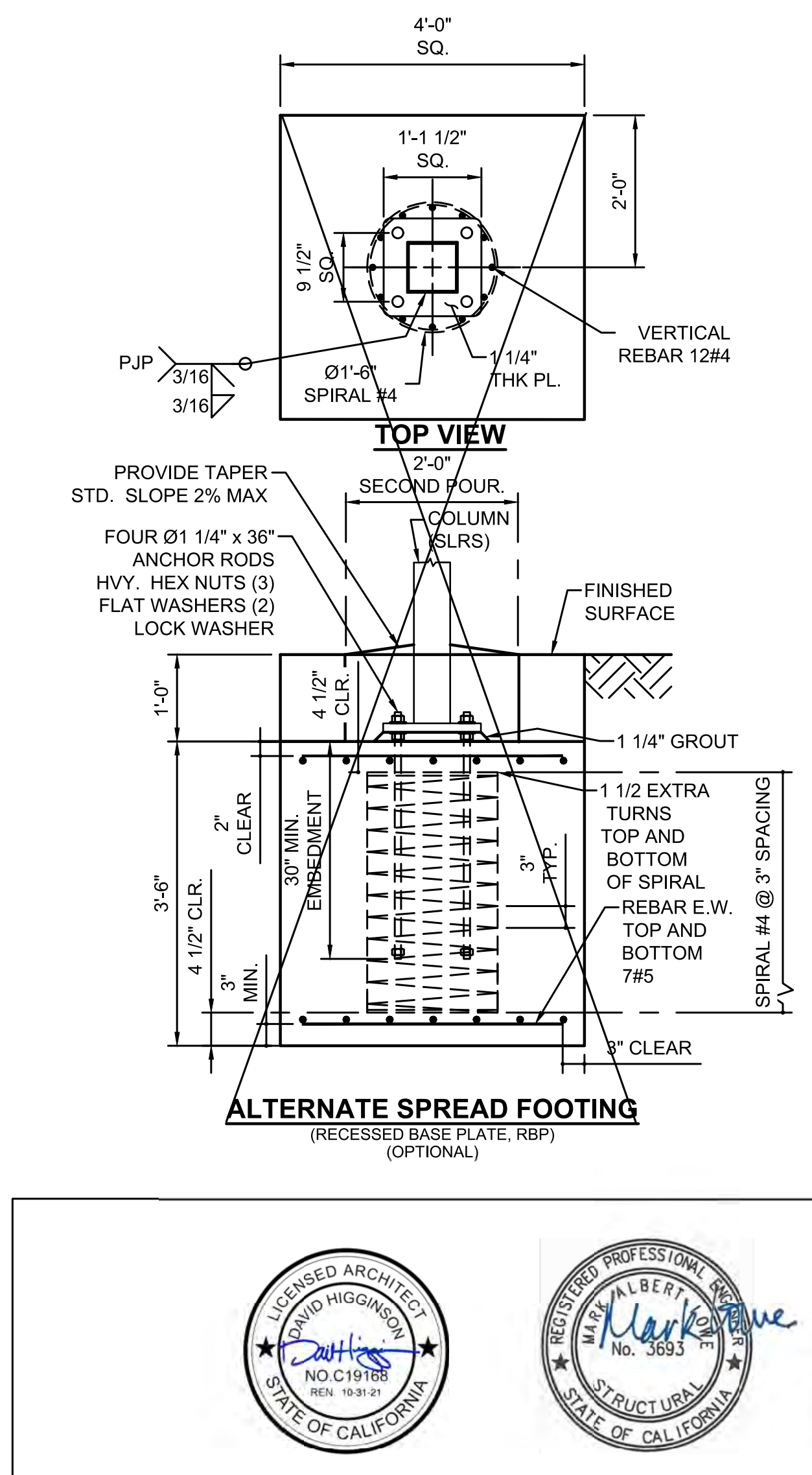
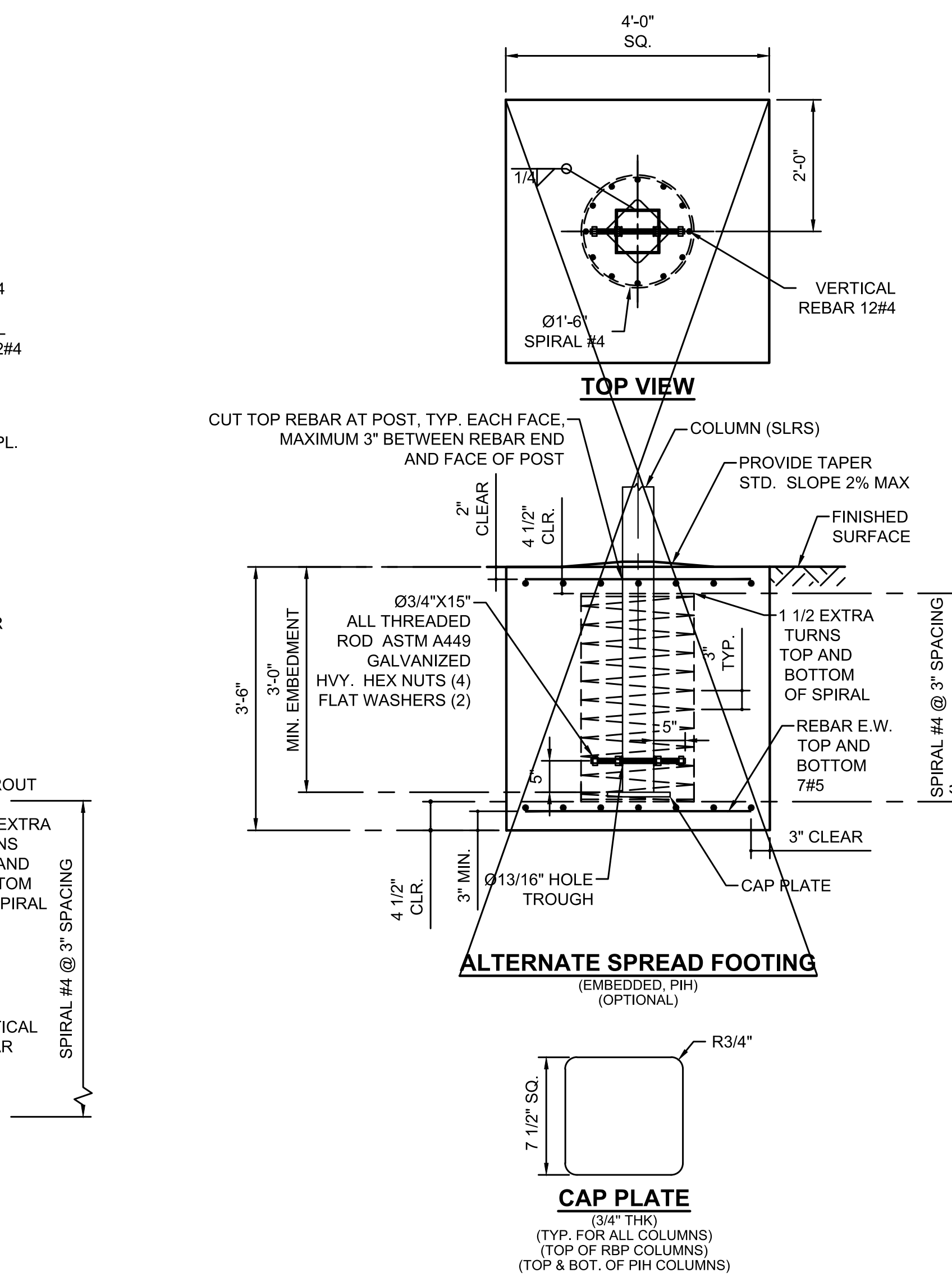
DWG. DSA401303012-19

SHEET 21.1-1000

REV. NC



MAXIMUM OCCUPANT LOAD (PER CBC 2019 TABLE 1604A.5)
 -K-12: 250 PERSONS
 -PUBLIC ASSEMBLY: 300 PERSONS
 -EDUCATIONAL OCCUPANCIES ABOVE 12TH GRADE: 500 PERSONS



ENVELOPE JOINT REACTIONS

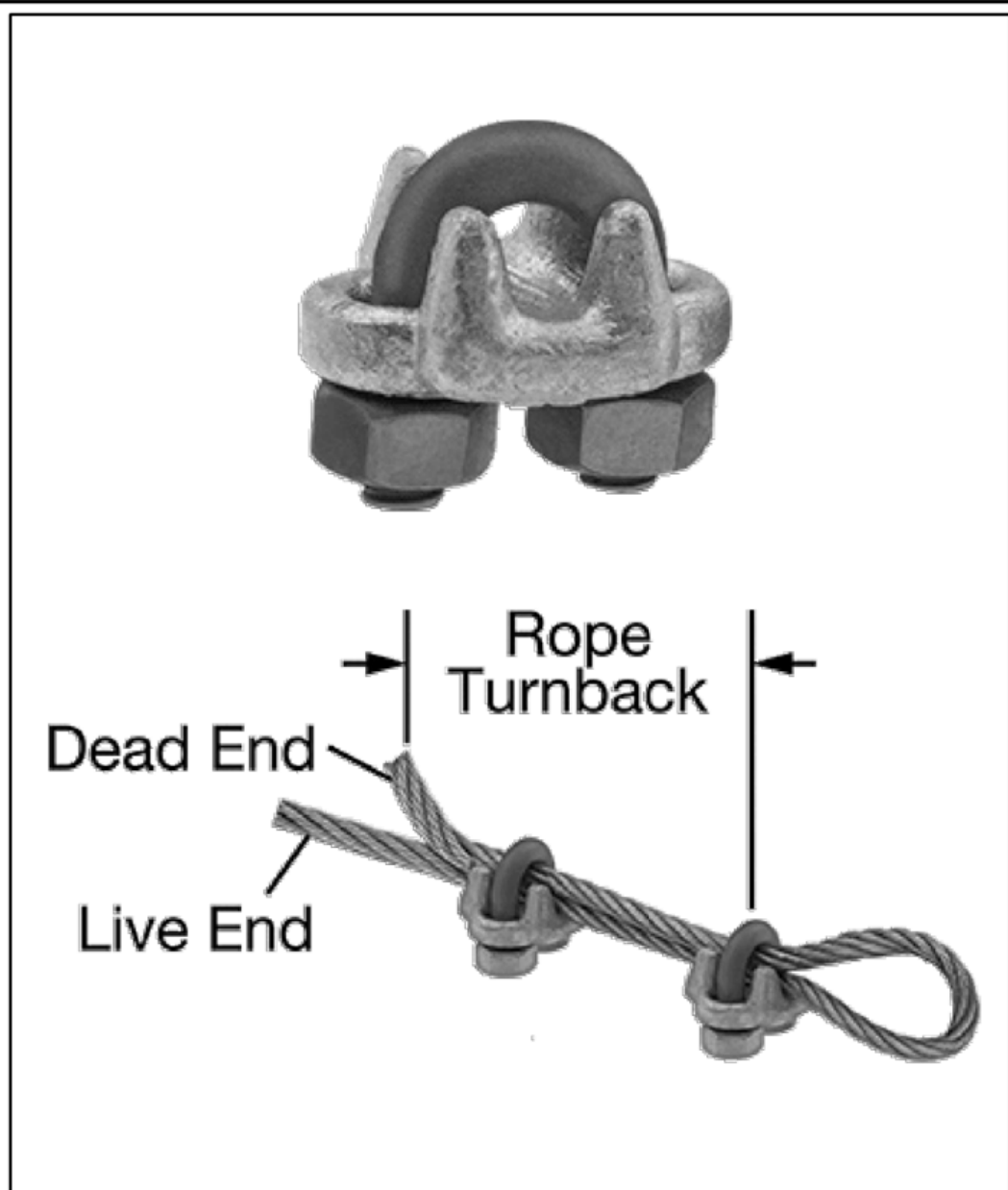
Shear resultant = $\sqrt{Px^2 + Py^2 + Pz^2}$

Moment resultant = $\sqrt{Mx^2 + My^2 + Mz^2}$

ASD REACTIONS										
Node No.	Support Forces (kip)			Support Moments (kipft)			Support Forces (kip)	Support Moments (kipft)	Support Forces (kip)	Support Forces (kip)
	P _x	P _y	P _z	M _x	M _y	M _z				
	MAXIMUM REACTIONS						1.308	11.906	1.091	-2.123
84	Max	1.261	0.934	1.091	4.200	11.836	1.308	11.906	1.040	
	Min	-0.327	-0.360	-1.915	-8.481	-3.312	-0.907			
	Max P _x	1.261	-0.349	1.040	1.289	11.836	-0.904	CO 5		
	Min P _x	-0.327	0.851	-1.046	-8.481	-3.312	0.447	CO 32		1.046
	Max P _y	-0.325	0.934	-1.741	-8.471	-2.445	0.134	CO 11	0.989	
	Min P _y	0.871	-0.360	0.421	2.057	7.612	-0.400	CO 4		0.421
	Max P _z	1.123	-0.316	1.091	1.169	10.346	-0.886	CO 34	1.167	
	Min P _z	0.293	0.134	-1.915	0.399	4.515	0.574	CO 10		0.322
	Max M _x	0.569	-0.309	-1.264	4.200	6.495	0.987	CO 2	0.647	
	Min M _x	-0.327	0.851	-1.046	-8.481	-3.312	0.447	CO 32		9.105
	Max M _y	1.261	-0.349	1.040	1.289	11.836	-0.904	CO 5		1.040
	Min M _y	-0.327	0.851	-1.046	-8.481	-3.312	0.447	CO 32	0.912	
	Max M _z	0.536	-0.256	-1.258	3.738	6.324	1.032	CO 31	0.584	
	Min M _z	1.229	-0.310	0.895	1.012	11.622	-0.907	CO 9	1.267	0.895
86	Max	0.904	0.764	0.442	3.106	11.114	1.731			
	Min	-0.074	-0.406	-2.122	-5.915	0.000	-1.037			
	Max P _x	0.904	0.275	-1.550	-3.266	11.114	1.689	CO 3	0.945	
	Min P _x	-0.074	-0.390	-1.173	2.976	0.342	0.244	CO 30		1.584
	Max P _y	0.471	0.764	0.438	-5.915	3.264	-1.102	CO 5		0.438
	Min P _y	-0.026	-0.406	-1.358	3.106	0.900	0.296	CO 1	0.407	
	Max P _z	0.413	0.709	0.442	-5.476	2.834	-0.116	CO 34	0.821	
	Min P _z	0.518	-0.149	-2.122	0.186	7.661	1.401	CO 11	0.539	0.442
	Max M _x	-0.026	-0.406	-1.358	3.106	0.900	0.296	CO 1	0.407	
	Min M _x	0.471	0.764	0.438	-5.915	3.264	-1.102	CO 5	0.898	0.438
	Max M _y	0.904	0.275	-1.550	-3.266	11.114	1.689	CO 3	0.945	
	Min M _y	0.000	0.000	0.000	0.000	0.000	0.000		0.000	
	Max M _z	0.777	0.319	-1.581	-3.939	9.762	1.731	CO 32	0.840	
	Min M _z	0.534	0.257	-1.258	-3.745	6.305	-1.037	CO 31	0.593	10.527
88	Max	0.453	0.851	0.875	5.492	3.715	0.160			
	Min	-0.904	-0.605	-2.123	-6.690	-11.113	-1.726			
	Max P _x	0.453	-0.108	-0.554	0.981	3.715	-0.357	CO 16	0.466	
	Min P _x	-0.904	0.275	-1.550	-3.272	-11.113	-1.686	CO 3	0.945	3.842
	Max P _y	-0.506	0.851	0.839	-6.690	-3.798	0.142	CO 4	0.990	
	Min P _y	0.292	-0.605	-1.633	5.492	2.048	-0.991	CO 10	0.672	0.839
	Max P _z	-0.426	0.784	0.875	-6.113	-3.080	0.160	CO 33	0.892	
	Min P _z	-0.518	-0.149	-2.123	0.178	-7.661	-1.399	CO 11	0.539	0.875
	Max M _x	0.292	-0.605	-1.633	5.492	2.048	-0.991	CO 10	0.672	
	Min M _x	-0.506	0.851	0.839	-6.690	-3.798	0.142	CO 4	0.990	0.839
	Max M _y	0.453	-0.108	-0.554	0.981	3.715	-0.357	CO 16	0.466	
	Min M _y	-0.904	0.275	-1.550	-3.272	-11.113	-1.686	CO 3	0.945	3.842
	Max M _z	-0.426	0.784	0.875	-6.113	-3.080	0.160	CO 33	0.892	
	Min M _z	-0.777	0.319	-1.582	-3.945	-9.763	-1.726	CO 32	0.840	10.530
90	Max	0.453	0.933	1.091	6.681	3.711	1.093			
	Min	-1.261	-0.850	-1.739	-8.470	-11.834	-0.446			
	Max P _x	0.453	0.108	-0.554	0.981	3.711	0.357	CO 16	0.466	
	Min P _x	-1.261	-0.349	1.040	1.288	-11.834	0.904	CO 5	1.308	3.838
	Max P _y	0.323	0.933	-1.739	-8.463	2.431	-0.133	CO 11	0.987	
	Min P _y	-0.506	-0.850	0.839	6.681	-3.796	-0.144	CO 4	0.989	0.839
	Max P _z	-1.123	-0.315	1.091	1.167	-10.343	0.886	CO 34	1.166	
	Min P _z	0.323	0.933	-1.739	-8.463	2.431	-0.133	CO 11	0.987	1.091
	Max M _x	-0.506	-0.850	0.839	6.681	-3.796	-0.144	CO 4	0.989	0.839
	Min M _x	0.325	0.849	-1.043	-8.470	3.286	-0.446	CO 32	0.909	
	Max M _y	0.453	0.108	-0.554	0.981	3.711	0.357	CO 16	0.466	
	Min M _y	-1.261	-0.349	1.040	1.288	-11.834	0.904	CO 5	1.308	11.904

BASIC LOAD CASES

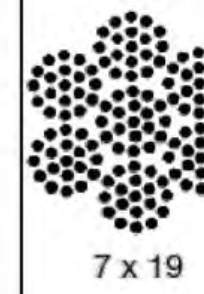
DEAD LOAD	0.0378 PSF (FABRIC)
FLOOR LIVE LOAD	N/A
ROOF LIVE LOAD	5 PSF
ROOF SNOW LOAD	5 PSF
SUPERIMPOSED LOADS	N/A
WIND LOAD	
BASIC DESIGN WIND SPEED (3 SEC GUST)	115 MPH
VELOCITY PRESSURE qz	24.46 PSF
COMPONENT AND CLADDING C _z	
(CABLE AND CABLE HARDWARE ONLY)	24.46 PSF
SEISMIC LOAD	
SEISMIC RESPONSE COEFFICIENTS C _s	1.6
DESIGN BASE SHEAR	2275 LB



FORGED WIRE ROPE CLAMP
FITTING TYPE ROPE CLAMP
FABRICATION: FORGED
MATERIAL: GALVANIZED STEEL
FOR WIRE ROPE DIAMETER 3/8"
NUMBER OF CLAMPS REQUIRED: 2
ROPE TURNBACK: 6 1/2"
FOR WIRE ROPE CONSTRUCTION 7 x 19
ATTACHMENT TYPE: LOOP
CLAMP WIDTH 2", HEIGHT 1 15/16", THICKNESS 1 11/16"
REQUIRED INSTALLATION TOOL TORQUE WRENCH
REQUIRED TORQUE 45 FT.-LBS.
CAPACITY 80% OF THE ROPE'S CAPACITY
SPECIFICATIONS MET ASME B30.26, FED. SPEC. FF-C-450

Aircraft Cable

Preformed, made in accordance with commercial specifications military and federal specification rope available.
Carbon Steel (Aircraft Cable) - Galvanized cable has the highest strength and greatest fatigue life of the materials offered. It has good to fair corrosion resistance in rural to industrial atmosphere environments. This material is most widely used for small diameter cables. Tin over galvanized cable offers greater corrosion resistance and reduced friction over pulleys.



7 x 19		Galvanized Min Breaking Strengths (lbs)
Dia. (In)	Approx. Wt 1000 Ft/lbs	
3/32	17	1,000
1/8	29	2,000
5/32	45	2,800
3/16	65	4,200
7/32	86	5,600
1/4	110	7,000
9/32	139	8,000
5/16	173	9,800
3/8	243	14,400

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

USASHADE & Fabric Structures
CORPORATE HEADQUARTERS
2580 ESTERS BLVD, SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER
CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Ventura Community College District
Ventura College

PROJECT NAME:
Ventura College

LOCATION:
4667 Telegraph Rd.
Ventura, CA 93003

MODEL NUMBER:
DSA401303012-19



190/F5 Fire rated specifications

Standard range

Revision 0 28-Oct-12

Colour	Shade %	UV Block %	Average GSM	Average Warp break strength kgs	Average Elongation %	Average Weft break strength kgs	Average Elongation %	Average Burst Kpa	Average Burst mpa
Desert Sand	80	92	185	50	40	72	73	156	0.84
Blue	80	85	185	50	40	72	73	156	0.84
Brown	85	85	185	50	40	72	73	156	0.84
Green	80	85	185	50	40	72	73	156	0.84
Red	80	86	185	50	40	72	73	156	0.84
Silver	80	81	185	50	40	72	73	156	0.84
Terracotta	75	82	185	50	40	72	73	156	0.84
Yellow	80	89	185	50	40	72	73	156	0.84

CONVERSION TO IMPERIAL UNITS:
185 GSM = 0378 psf
50 KGS = 110 LB
72 KGS = 159 LB
156 Kpa = 3258 psf

Notes:
190/F5 conforms to The California State Fire Marshal Title 19 Test for Small scale Fabrics
Tear tests are done using a 50mm wide strip and a cross head speed of 500mm/min
This report has been compiled using the mean results from all tests conducted on the given sample by our Quality Control Laboratory, the information provided is considered to be a good reflection of the relevant properties of the fabric tested. These results must only be used as an indication of the quality and characteristics of the fabric tested.
Company cannot be held responsible or liable in any way whatsoever should this information differ to that of a registered testing institution.

Deon Joubert
General Manager - Multiknit (Pty) Ltd

Tommy Rogers
Managing Director - Multiknit (Pty) Ltd

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119454-PC
REVIEWED FOR
SS FLS ACS CG
DATE: 03/26/2021

STRUCTURE TYPE:
H I P DSA

SIZE:
MAXIMUM 30' x 30' x 12'e MAX.

SCALE: NONE

DRAWING SIZE:
D

PRE-CHECK (PC) DOCUMENT
Code : 2019 CBC
A separate project application for construction is required.

Eng. By: JO 08/15/20
Design By: MP 08/15/20
Approved By: JO 08/15/20

DRAWING DESCRIPTION:
REACTIONS

DWG. DSA401303012-19
SHEET 21.2-2000
REV. NC



PLUMBING NOTES

1. SCOPE OF WORK: FURNISH AND INSTALL ALL FIXTURES & PIPING SHOWN ON THE PLUMBING AND ARCHITECTURAL DRAWINGS AND DESCRIBED IN THESE NOTES AND THE BOOK SPECIFICATIONS, UNLESS OTHERWISE DIRECTED BY BUILDING OWNER, CONTRACTOR SHALL ARRANGE FOR AND MAKE CONNECTIONS TO UTILITIES FOR WATER, & SEWER, IN CONNECTION WITH THIS WORK. CONTRACTOR SHALL ALSO FURNISH AND INSTALL ALL NECESSARY LABOR, DEVICES, HARDWARE AND SYSTEMS REQUIRED TO MAKE SAID SYSTEMS PROPERLY AND SAFELY OPERABLE, INCLUDING, BUT NOT LIMITED TO, TRENCHING, BACKFILL, CUTTING, AND PATCHING. PROVIDE ALL SEWER & WATER PIPING TO NEW MODULAR CLASSROOMS INCLUDING BUT NOT LIMITED TO PIPE, VALVES, & CONNECTIONS TO EXISTING UTILITIES NECESSARY FOR A COMPLETE SYSTEM. SEE BOOK SPECIFICATIONS FOR MORE INFORMATION. VERIFY ALL CONNECTION SIZES. CUT AND PATCH FINISHED SURFACES AS REQUIRED. REPAIR ANY DAMAGED (E) PIPING. DO NOT COVER UNTIL RECEIVING POSITIVE APPROVAL FROM INSPECTOR. PROVIDE CONNECTIONS TO MODULAR CLASSROOM PIPING. VERIFY LOCATION.

2. EXAMINATION OF SITE AND CONTRACT DOCUMENTS. EACH BIDDER SHALL, AT ITS SOLE COST AND EXPENSE, INSPECT THE SITE OF THE PROPOSED WORK TO BECOME FULLY ACQUAINTED WITH CONDITIONS RELATING TO THE WORK AND TO FULLY UNDERSTAND THE FACILITIES, DIFFICULTIES AND RESTRICTIONS ATTENDING THE EXECUTION OF THE WORK UNDER THE CONTRACT DOCUMENTS AND COST THEREOF. BIDDERS SHALL THOROUGHLY REVIEW AND BE FAMILIAR WITH THE CONTRACT DOCUMENTS, INCLUDING WITHOUT LIMITATION, THE SPECIFICATIONS AND THE DRAWINGS. THE FAILURE OR OMISSION OF ANY BIDDER TO RECEIVE OR EXAMINE ANY OF THE CONTRACT DOCUMENTS, FORMS, INSTRUMENTS, ADDENDA, OR OTHER DOCUMENTS OR TO INSPECT THE SITE SHALL NOT RELIEVE SUCH BIDDER FROM ANY OBLIGATIONS WITH RESPECT TO THE BID PROPOSAL. THE CONTRACTOR OR THE WORK REQUIRED UNDER THE CONTRACT DOCUMENTS. THE OWNER ASSUMES NO RESPONSIBILITY OR LIABILITY TO ANY BIDDER FOR, NOR SHALL THE OWNER BE BOUND BY, ANY UNDERSTANDINGS, REPRESENTATIONS OR AGREEMENTS OF THE OWNER'S AGENTS, EMPLOYEES OR OFFICERS CONCERNING THE CONTRACT DOCUMENTS OR THE WORK MADE PRIOR TO EXECUTION OF THE CONTRACT. THE SUBMISSION OF A BID PROPOSAL SHALL BE DEEMED PRIMA FACIE EVIDENCE OF THE BIDDERS FULL COMPLIANCE WITH THE REQUIREMENTS OF THIS SECTION.

3. INTERPRETATION OF DRAWINGS, SPECIFICATIONS OR CONTRACT DOCUMENTS. IF ANY BIDDER IS IN DOUBT AS TO THE TRUE MEANING OF ANY PART OF THE DRAWINGS, THE SPECIFICATIONS OR OTHER PORTIONS OF THE CONTRACT DOCUMENTS, FINDS DISCREPANCIES, ERRORS OR OMISSIONS THEREIN, OR FINDS VARIANCES IN ANY OF THE CONTRACT DOCUMENTS WITH APPLICABLE RULES, REGULATIONS, ORDINANCES AND/OR LAWS, A WRITTEN REQUEST FOR AN INTERPRETATION OR CORRECTION THEREOF MAY BE SUBMITTED TO THE ENGINEER. IT IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE BIDDER TO SUBMIT SUCH REQUEST IN SUFFICIENT TIME FOR THE PREPARATION OF A RESPONSE THERETO AND DELIVERY OF SUCH RESPONSE TO ALL BIDDERS PRIOR TO THE SCHEDULED CLOSING FOR RECEIPT OF BID PROPOSALS. ANY REQUEST OF ANY BIDDER, PURSUANT TO THE FOREGOING SENTENCE THAT IS MADE LESS THAN SEVEN DAYS PRIOR TO THE SCHEDULED CLOSING DATE FOR THE RECEIPT OF BID PROPOSALS SHALL BE DEEMED UNTIMELY. ANY INTERPRETATION OR CORRECTION OF THE CONTRACT DOCUMENTS WILL BE MADE ONLY BY WRITTEN ADVICE DULY ISSUED BY THE OWNER OR THE ENGINEER. A COPY OF ANY SUCH ADDENDUM WILL BE MAILED OR OTHERWISE DELIVERED TO EACH BIDDER RECEIVING A SET OF THE CONTRACT DOCUMENTS. NO PERSON IS AUTHORIZED TO RENDER AN ORAL INTERPRETATION OR CORRECTION OF ANY PORTION OF THE CONTRACT DOCUMENTS TO ANY BIDDER, AND NO BIDDER IS AUTHORIZED TO RELY ON ANY SUCH ORAL INTERPRETATION OR CORRECTION. FAILURE TO REQUEST INTERPRETATION OR CLARIFICATION OF THE DRAWINGS, THE SPECIFICATIONS OR OTHER PORTIONS OF THE CONTRACT DOCUMENTS PURSUANT TO THE FOREGOING SHALL BE DEEMED TO BE A WAIVER OF ANY DISCREPANCY, DEFECT, OR CONFLICT THEREIN.

4. DIMENSIONS. ALL DIMENSIONS SHALL HAVE PREFERENCE OVER SCALE. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS BEFORE PROCEEDING WITH WORK. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON WORKING DRAWINGS. ALL SIZES OF EQUIPMENT AND MATERIALS SHALL BE VERIFIED WITH EQUIPMENT MANUFACTURER. ALL PLUMBING FIXTURES SHALL BE INSTALLED PER THE DIMENSIONS ON THE ARCHITECTURAL DRAWINGS.

5. CODES AND STANDARDS: ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE 2019 CALIFORNIA PLUMBING CODE, THE 2019 CALIFORNIA MECHANICAL CODE, THE 2019 CALIFORNIA BUILDING CODE, THE STATE OF CALIFORNIA, THE LOCAL JURISDICTION, AND STANDARD CONSTRUCTION PRACTICES. ALL PLUMBING FIXTURES SHALL BE IN STRICT ACCORDANCE WITH THE FIXTURE SCHEDULE, AND SHALL BE NEW AND FREE FROM DEFECTS. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES, AND SHALL OBTAIN APPROVED INSPECTIONS FOR ALL WORK AS REQUIRED BY OWNER, DSA, AND LOCAL JURISDICTION. CONTRACTOR SHALL MAINTAIN IN EFFECT ALL INSURANCE REQUIRED BY STATE LAWS, LOCAL JURISDICTION, AND GENERAL CONTRACTOR / OWNER, WHERE CONFLICT OR VARIATION EXISTS AMONGST CODES, SPECIFICATIONS, OR DRAWINGS. THE MOST STRINGENT SHALL GOVERN.

6. SUBMITTALS REQUIRED: PRIOR TO ORDERING FIXTURES AND MATERIALS, CONTRACTOR SHALL FURNISH SUBMITTALS OF ALL FIXTURES AND MATERIALS PROPOSED FOR USE IN THIS PROJECT. ALL FIXTURES AND MATERIALS SHALL BE INSTITUTIONAL GRADE HEAVY DUTY QUALITY. ORDERING OF FIXTURES AND MATERIALS SHALL ONLY PROCEED AFTER SATISFACTORY REVIEW OF ALL SUBMITTALS BY ENGINEER / OWNER. COPIES OF ALL OWNER'S MANUALS, WARRANTIES, AND OTHER WRITTEN INFORMATION REGARDING SYSTEMS SHALL BE SUBMITTED TO OWNER.

7. CONSTRUCTION OBSERVATION: IN ADDITION TO THE REQUIREMENT FOR OBTAINING INSPECTIONS BY THE LOCAL JURISDICTION, CONTRACTOR SHALL NOTIFY ENGINEER AT APPROPRIATE TIMES DURING THE CONSTRUCTION PROCESS SO THAT ENGINEER CAN VISIT SITE TO BECOME GENERALLY FAMILIAR WITH THE PROGRESS AND QUALITY OF CONTRACTOR'S WORK AND TO DETERMINE IF THE WORK IS PROCEEDING IN GENERAL ACCORDANCE WITH THE CONTRACT DOCUMENTS.

8. UNDERGROUND ALERT: CALL 811 BEFORE YOU DIG OR VISIT CALIFORNIA811.ORG TO REQUEST A TICKET ONLINE."

DO NOT START ANY EXCAVATION JOB WITHOUT FIRST OBTAINING A POSITIVE RESPONSE FROM SOCGAS THAT YOUR LOCATE AND MARK REQUEST HAS BEEN ADDRESSED.

BEFORE LAYING OUT PIPING AND PERFORMING TRENCHING, CONTRACTOR SHALL DETERMINE LOCATIONS OF EXISTING UNDERGROUND UTILITIES. CONTACT "DIG ALERT / UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA" - 811 OR CALIFORNIA811.ORG. CONTRACTOR SHALL ALSO CONTACT OWNER'S REPRESENTATIVE TO ASCERTAIN LOCATIONS OF UNDERGROUND PIPING AND OTHER CONDITIONS AFFECTING TRENCHING, AND SHALL PERFORM TESTING AND SUBSURFACE EXPLORATION AS NECESSARY TO LOCATE UTILITIES.

9. TRENCHING: MATERIAL SHALL BE EXCAVATED FROM TRENCHES AND PILED ADJACENT TO THE TRENCH. MATERIAL SHALL BE PILED IN SUCH A MANNER THAT WILL CAUSE A MINIMUM OF INCONVENIENCE TO PUBLIC TRAVEL. ALL ROCK, BOULDERS, AND STONES SHALL BE REMOVED TO PROVIDE A MINIMUM CLEARANCE OF SIX (6) INCHES UNDER AND AROUND PIPES. EXCAVATIONS SHALL BE KEPT FREE OF WATER. TRENCHES SHALL BE DUG TO TRUE AND SMOOTH BOTTOM GRADES AND IN ACCORDANCE WITH THE LINES INDICATED ON DRAWINGS AND AS DIRECTED. TRENCH WIDTHS SHALL NOT EXCEED 30 INCHES OR 1.5 TIMES OUTSIDE DIAMETER OF THE PIPE PLUS 18 INCHES WHICHEVER IS GREATER. MINIMUM TRENCH WIDTH SHALL BE THE OUTSIDE DIAMETER OF PIPE INSTALLED PLUS 12 INCHES.

DEPTH OF TRENCHING FOR WATER AND GAS PIPING SHALL BE SUCH AS TO GIVE A MINIMUM COVER OF 18 INCHES OVER THE TOP OF THE PIPE. DEEPER EXCAVATION MAY BE REQUIRED DUE TO LOCALIZED BREAKS IN GRADE, OR TO INSTALL THE NEW PIPING UNDER EXISTING CULVERTS OR OTHER UTILITIES WHERE NECESSARY.

TRENCHING FOR SEWERS AND DRAINS SHALL BE OF SUFFICIENT WIDTH TO PERMIT PROPER JOINTING OF THE PIPE AND BACKFILLING OF MATERIAL ALONG THE SIDES OF THE PIPE. TRENCH WIDTH AT THE SURFACE OF THE GROUND SHALL BE KEPT TO THE MINIMUM AMOUNT NECESSARY TO INSTALL THE PIPE IN A SAFE MANNER. TRENCHES SHALL BE EXCAVATED BELOW THE BARREL OF THE PIPE A SUFFICIENT DISTANCE TO PROVIDE FOR BEDDING MATERIAL.

WHERE THE TRENCH BOTTOM IS IN A MATERIAL WHICH IS UNSUITABLE FOR FOUNDATION OR WHICH WILL MAKE IT DIFFICULT TO OBTAIN UNIFORM BEARING FOR THE PIPE, SUCH MATERIAL SHALL BE REMOVED AND A STABLE FOUNDATION PROVIDED. THIS SHALL INCLUDE THE PREPARATION OF THE NATIVE TRENCH BOTTOM AND/OR THE TOP OF THE FOUNDATION MATERIAL TO A UNIFORM GRADE SO THAT THE ENTIRE LENGTH OF PIPE RESTS FIRMLY ON A SUITABLE PROPERLY COMPACTED MATERIAL. GRAVEL TO BE USED FOR FOUNDATION PURPOSES SHALL BE OF A TYPE AND GRADATION TO PROVIDE A SOLID COMPACT BEDDING IN THE TRENCH.

10. BEDDING: CONTRACTOR SHALL COMPLETE 4" SAND (COMPACTED) BEDDING AND THEN BACKFILL TO 6 INCHES OVER THE TOP OF THE PIPE WITH SAND BEFORE STARTING BACKFILL OPERATIONS. TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE PIPE FROM DAMAGE. MOVEMENT OF THE PIPE OR EQUIPMENT USED ABOVE THE PIPE ZONE SHALL BE OF A TYPE THAT DOES NOT INJURE THE PIPE. WHERE ORIGINAL EXCAVATED MATERIAL IS UNSUITABLE FOR TRENCH BACKFILL, BACKFILL GRAVEL SHALL BE PLACED. UNSUITABLE MATERIAL SHALL BE REMOVED TO A DISPOSAL AREA. WHEREVER A TRENCH IS EXCAVATED IN A PAVED ROADWAY, SIDEWALK OR OTHER AREA WHERE MINOR SETTLEMENTS WOULD BE DETRIMENTAL AND WHERE NATIVE EXCAVATED MATERIAL IS NOT SUITABLE FOR COMPACTION AS BACKFILL, BACKFILL SHALL BE BACKFILLED WITH BACKFILL GRAVEL. WARNING TAPE MARKERS AND TRACER WIRES SHALL BE INSTALLED DURING BACKFILL OPERATIONS.

THE METHOD OF COMPACTION SHALL BE AT CONTRACTOR'S OPTION, UNLESS EXCAVATION PERMIT REQUIRES A SPECIFIC TYPE. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE PROPER SIZE AND TYPE OF COMPACTION EQUIPMENT AND SELECT THE PROPER METHOD OF UTILIZING SAID EQUIPMENT TO ATTAIN THE REQUIRED COMPACTION DENSITY. COMPACTION BY WATER JETTING WILL NOT BE PERMITTED.

WHERE BACKFILL IS REQUIRED TO BE COMPACTED TO A SPECIFIED DENSITY, TESTS FOR COMPLIANCE SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GOVERNING AUTHORITY. ALLOW TESTING SERVICE TO INSPECT AND APPROVE EACH SUBGRADE AND FILL LAYER BEFORE FURTHER FILL, BACKFILL OR CONSTRUCTION WORK IS PERFORMED.

11. PIPING LOCATIONS: PIPING LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL LATERAL STUBS, OFFSETS, OBSTRUCTIONS, ETC. REQUIRED IN THE FIELD. THE ACTUAL LOCATIONS OF LINES, CLEANOUTS AREA CONNECTED MAY VARY PROVIDED THAT COMPLETE SYSTEMS ARE INSTALLED IN COMPLIANCE WITH CODES. ANY SIGNIFICANT DEVIATIONS FROM THE PLANS SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER PRIOR TO INSTALLATION. VERIFY CONNECTIONS LOCATIONS AND RELOCATABLES. CUT & PATCH FINISHED SURFACES AS NEEDED FOR PIPE INSTALLATION. PATCH SHALL MATCH ADJACENT SURFACES.

12. WASTE AND VENT PIPING: ALL DRAINS, VENTS, FITTINGS, AND THE BUILDING DRAIN SHALL BE US - MANUFACTURED CAST IRON BEYOND THE BUILDING DRAIN (BEYOND 5 FEET OF FOUNDATION) SHALL BE US - MANUFACTURED ABS DWV SCH. 40 PIPE MEETING THE REQUIREMENTS OF ASTM D3965. EXTENSIONS TO SERVE CLEANOUTS AT GRADE SHALL BE CAST IRON. ALL LINES SHALL BE SLOPED AS PER PLAN IN COMPLIANCE WITH CODE. WHERE VENT PIPES PENETRATE THE ROOF, PIPING SHALL BE FLASHED AND COUNTER-FLASHED. VANDAL-PROOF VENT CAPS (JR SMTH 1748, ZURN Z-193, OR EQUAL) SHALL BE INSTALLED ON EVERY PLUMBING VENT. LAVATORY AND SINK P-TRAPS SHALL BE CHROME PLATED VANDAL-PROOF CAST BRASS. MCGUIRE MFG CO "VANDAL TRAP", OR EQUAL. WHERE PIPING PENETRATES WALL, CHROME PLATED CAST BRASS ESCUTCHEONS WITH SET SCREWS SHALL BE INSTALLED. INSTALL TAPE MARKERS AND TRACER WIRES FOR ALL BURIED PLASTIC PIPE.

13. SITE SEWER PIPING SHALL BE US - MANUFACTURED ABS DWV SCH. 40 PIPE MEETING THE REQUIREMENTS OF ASTM D-3965. EXTENSIONS TO SERVE CLEANOUTS TO GRADE SHALL BE CAST IRON. ALL LINES SHALL BE SLOPED @ 1/4"FT MIN OR IN COMPLIANCE WITH CODE. WHERE PIPING SLOPES LESS THAN 1/4"FOOT A LICENSED SURVEYOR SHALL BE EMPLOYED TO VERIFY SEWER SLOPE. PROVIDE ACTUAL INVERT ELEVATIONS AT CLEANOUTS.

14. WATER PIPING: ALL UNDERGROUND SITE PIPING SHALL BE U.S. MANUFACTURED SCHEDULE 80 PVC. ALL ABOVEGROUND PIPING SHALL BE U.S. MANUFACTURED TYPE "L" HARD COPPER WITH (NON-LEAD) SOLDER SWEAT JOINTS. TRANSITIONS BETWEEN PVC TO ABOVE GROUND COPPER SHALL BE MADE WITH U.S. MANUFACTURED TYPE "K" SOFT COPPER, USING MALE PVC / FEMALE COPPER ADAPTERS, WITH NO JOINTS ALLOWED UNDER BUILDING SLABS. UNDERGROUND JOINTS SHALL BE BRAZED. DEPTH OF COVER 30" IN PAVED AREAS / 18" IN LANDSCAPING. INSTALL TAPE MARKERS AND TRACER WIRES FOR ALL BURIED PLASTIC PIPE. INDIVIDUAL SHUTOFF VALVES SHALL BE NIBCO - S-685-80-LF BALL VALVES. MAIN SHUTOFF VALVES SHALL BE NIBCO T-113-LF GATE VALVE.

15. CLEANOUTS: CLEANOUTS TO GRADE SHALL BE J.R. SMITH 4253S OR EQUAL WITH BRONZE PLUG AND NON-SKID COVER WITH LIFTING DEVICE SET FLUSH WITH SURFACE FOR PAVED AREAS. NON-TRAFFIC OR NON-SURFACE AREAS SHALL BE INSTALLED WITH CAST IRON CLEANOUT RISERS TERMINATING WITH BRONZE PLUG WITHIN CHRISTY (OR EQUAL) CONCRETE YARD BOX WITH CAST IRON COVER AND THE WORDS "SEWER" MARKED ON COVER.

16. PIPING SUPPORT: ALL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2019 CALIFORNIA PLUMBING CODE. HORIZONTAL WATER PIPES AND CONDENSATE DRAINS SHALL BE HUNG WITH SUPERSTRUT C-727-F ADJUSTABLE FELT-LINED SUPPORT HANGERS, THREADED RODS, AND BEAM ATTACHMENT BRACKETS, LOCATED AT SIX FOOT MAXIMUM INTERVALS. VERTICAL WATER PIPES AND CONDENSATE DRAINS SHALL BE SUPPORTED AT THEIR BASES AND AT EACH STORY OR AT TEN FOOT MAXIMUM INTERVALS. TO PREVENT SWAYING, PROVIDE LATERAL BRACING AT SIX FOOT INTERVALS ANCHORED TO OVERHEAD FRAMING. HORIZONTAL CAST IRON PIPING SHALL BE HUNG WITH SUPERSTRUT C-710 ADJUSTABLE CLEVIS HANGERS, THREADED ROD, AND BEAM ATTACHMENT BRACKETS, LOCATED AT FIVE FOOT MAXIMUM INTERVALS. TO PREVENT SWAYING, PROVIDE LATERAL BRACING AT FIVE FOOT INTERVALS ANCHORED TO OVERHEAD FRAMING. VERTICAL PIPING SHALL BE SUPPORTED AT EACH FLOOR WITH SUPERSTRUT C-720 RISER CLAMPS AND AT MIDSPAN WITH C-708 CLAMPS INTO SUPERSTRUT CHANNEL.

17. TESTING: ALL PIPING AND FIXTURES INSTALLED SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2019 CALIFORNIA PLUMBING CODE AND THE LOCAL JURISDICTION.

18. CORRECTION OF WORK: THE CONTRACTOR SHALL PROMPTLY CORRECT ALL WORK THE SCHOOL FINDS DEFECTIVE OR FAILING TO CONFORM TO THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BEAR ALL COSTS REQUIRED BY THE CONTRACT DOCUMENTS. IF ANY OF THE WORK IS FOUND TO BE DEFECTIVE OR NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL CORRECT IT PROMPTLY AFTER RECEIPT OF A WRITTEN NOTICE FROM THE SCHOOL DISTRICT TO DO SO.

19. WARRANTY: THE CONTRACTOR SHALL WARRANT THAT ALL SYSTEMS, SUBSYSTEMS, AND COMPONENT PARTS ARE FULLY FREE FROM DEFECTIVE DESIGN, MATERIALS, AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.

20. AS-BUILT DRAWINGS SHALL BE GIVEN TO THE SCHOOL DISTRICT PRIOR TO ACCEPTANCE OF THE PROJECT.

21. CLEANUP: CONTRACTOR SHALL THOROUGHLY CLEAN ENTIRE JOBSITE EVERY DAY OF ALL DEBRIS ASSOCIATED WITH PLUMBING INSTALLATION.

22. COORDINATION: CONTRACTOR SHALL COORDINATE WITH THE SCHOOL DISTRICT'S PROJECT MANAGER AND ALL RELATED TRADES.

23. CUTTING AND PATCHING: WORK INCLUDES CUTTING AND PATCHING (TO MATCH EXISTING) ALL SURFACES AND SYSTEMS DISTURBED BY THE PLUMBING WORK.

24. TEST & VIDEO NEW SEWER MAIN AFTER SOIL COMPACTION TO VERIFY NO BELLIES EXIST. RUN APPROX 2 GALLON/MIN WHILE VIDEOING THE ENTIRE MAIN SEWER. REVIEW VIDEO W/ INSPECTOR & ENGINEER. REINSTALL PIPE AT ANY LOCATION WHERE STANDING WATER OCCURS.

25. POTHOLE EXISTING UTILITIES AT BEGINNING OF PROJECT. PROVIDE LOCATION, SIZE, & INVERT ON AS-BUILTS. VERIFY AVAILABLE INVERT FOR SEWER DRAINAGE.

26. DISINFECTION OF DOMESTIC WATER PIPING SYSTEM:
A. PRIOR TO STARTING WORK, VERIFY SYSTEM IS COMPLETE, FLUSHED AND CLEAN.
B. ENSURE PH OF WATER TO BE TREATED IS BETWEEN 7.4 AND 7.6 BY ADDING ALKALI (CAUSTIC SODA OR SODA ASH) OR ACID (HYDROCHLORIC).
C. INJECT DISINFECTANT, FREE CHLORINE IN LIQUID, POWDER, TABLET OR GAS FORM, THROUGHOUT SYSTEM TO OBTAIN 50 TO 80 mg/L RESIDUAL.
D. BLEED WATER FROM OUTLETS TO ENSURE DISTRIBUTION AND TEST FOR DISINFECTANT RESIDUAL AT MINIMUM 15 PERCENT OF OUTLETS.
E. MAINTAIN DISINFECTANT IN SYSTEM FOR 24 HOURS.
F. IF FINAL DISINFECTANT RESIDUALS LESS THAN 25 mg/L, REPEAT TREATMENT.
G. FLUSH DISINFECTANT FROM SYSTEM UNTIL RESIDUAL EQUAL TO THAT OF INCOMING WATER OR 1.0 mg/L.
H. TAKE SAMPLES NO SOONER THAN 24 HOURS AFTER FLUSHING, FROM 10 PERCENT OF OUTLETS AND FROM WATER ENTRY AND ANALYZE IN ACCORDANCE WITH AWWA C651.
I. PRIOR TO PLACING DOMESTIC WATER SYSTEM IN SERVICE FOR HUMAN CONSUMPTION, THE PLUMBING CONTRACTOR SHALL PROVIDE PROMPTLY TO THE OWNER AND ENGINEER THE WRITTEN TEST RESULTS.

PLUMBING SCHEDULE:

WC 1	4"	2"	1"	TOILET, WHITE VITREOUS CHINA, ELONGATED BOWL, FLOOR-MOUNT, AMERICAN STANDARD "MADERA" 2854,128, WITH CHURCH #9500CT HEAVY DUTY SOLID PLASTIC SEAT. SENSOR BATTERY FLUSH VALVE SLOAN MODEL 111-1 2B SMO, WITH 1.28 GAL MAX. FLUSH. PROVIDE A 1.5" SLOAN OFFSET TAILPIECE TO AVOID CONFLICT WITH GRAB BAR WHERE APPLICABLE. SEE ARCH FOR ACCESSIBLE INSTALLATION DETAILS.	
L 1	2"	1-1/2"	1/2"	1/2"	LAVATORY, WALL MOUNT, KOHLER HUDSON MODEL K-2810 WITH 4" CENTERS. CHICAGO FAUCETS MODEL 3400-ABCP MVP FAUCET, 0.5 GPM, COLD & HOT WATER W/ MIXING VALVE. INSTALL TRUEBRO LAV SHIELD. INSTALL ON JR SMITH CARRIER. SEE ARCH. PLANS FOR ACCESSIBLE INSTALLATION DETAILS.
SOV 1	-	-	1-1/2"	-	SHUT-OFF VALVE, NIBCO S-685-80-LF, 1/2" THRU 2", BRONZE BALL VALVE, FULL PORT, SOLDER END, BRASS BALL VALVE, FULL PORT.
HB 1	-	-	-	3/4"	HYDRANT WITH VACUUM BREAKER & QUICK COUPLER, NIBCO, WATTS, OR EQUAL WITH LOOSE KEY.
DF 1	2	1-1/2"	1/2"	-	DRINKING FOUNTAIN, TRI-LEVEL ELKAY MODEL LK4430, OUTDOOR, HEAVY DUTY VANDAL RESISTANT. NON-REFRIGERATED. SEE ARCHITECTURAL PLANS FOR LOCATIONS AND DETAILS.

ABBREVIATIONS

ABBREV	ABBREVIATIONS
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
APPROX	APPROXIMATELY
BLW	BELOW
BFF	BELOW FINISHED FLOOR
BOT BTM	BOTTOM
BLDG	BUILDING
CLG	CEILING
CD	CEILING DIFFUSER
CL	CENTERLINE
CONC	CONCRETE
COND	CONDENSATE
CONT	CONTINUATION
COTG	CLEAN-OUT TO GRADE
DIA	DIAMETER
DCW	DOMESTIC COLD WATER
DN DWN	DOWN
DS	DOWN SPOUT
DWG	DRAWING
EA	EACH
ELEC	ELECTRIC
EL ELEV	ELEVATION
EQ EQUIP	EQUIPMENT
EXH	EXHAUST
(E)	EXISTING
FCO	FLOOR CLEAN-OUT
FD	FLOOR DRAIN
FIN	FINISHED
FLR	FLOOR
FRM	FROM
FU	FIXTURE UNIT
GPM	GALLONS PER MINUTE
GALV	GALVANIZED
GSM	GALVANIZED STEEL METAL GAS
HP	HORSE POWER
HD	HOT DIPPED GALVANIZED
HWR	HOT WATER RETURN (HYDRONIC)
HWS	HOT WATER SUPPLY (HYDRONIC)
ICW	INDUSTRIAL COLD WATER
IDW	INDIRECT WASTE PIPING
IWR	INDIRECT WASTE RECEPTOR
LPG	LOW PRESSURE GAS
MAX	MAXIMUM
MPG	MEDIUM PRESSURE GAS
MTL	METAL
MIN	MINIMUM
(N)	NEW
OC	ON CENTER
OVDR	OVERHEAD
PCW	PROCESS COLD WATER
POC	POINT OF CONNECTION
POD	POINT OF DISCONNECTION
PSI	POUNDS PER SQUARE INCH
RAG	RETURN AIR GRILLE
RAR	RETURN AIR REGISTER
RD	ROOF DRAIN
RO	ROOF OVERFLOW
SHT	SHEET
SMS	SHEET METAL SCREW
SOV	SHUT-OFF VALVE
SR	SIDEWALL REGISTER
SD	SMOKE DETECTOR
SPEC	SPECIFICATIONS
SS	SANITARY SEWER
STL	STEEL
(TYP)	TYPICAL
UGND	UNDERGROUND
UWV	UNTREATED INDUSTRIAL WASTE
VAV	VARIABLE AIR VOLUME BOX
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT TO ROOF
VD	VOLUME DAMPER (LOCKING)
W	DOMESTIC WASTE
WCO	WALL (OR ON RISER)CLEAN-OUT
W.C.	WATER COLUMN
WFO	WASTE FIXTURE UNITS

SYMBOL LEGEND

	COLD WATER
	HOT WATER
	CONDENSATE
	WALL CLEAN-OUT
	CLEAN OUT TO GRADE
	VENT TO ROOF
	FLOOR DRAIN
	WALL CLEAN OUT
	FLOOR CLEAN OUT
	COTG IN YARD BOX
	FLOOR SINK
	WATER HAMMER ARRESTOR
	HOSE BIB
	SHUT-OFF VALVE (SOV)
	P.O.D. POINT OF DISCONNECTION
	P.O.C. POINT OF CONNECTION

LINE LEGEND

	COLD WATER
	HOT WATER
	VENT
	WASTE
	GAS
	CONDENSATE

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 SECTION 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26, AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. PERMANENTLY ATTACHED SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVEABLE 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 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 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 DIRECTION.

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

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED 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.1.24, 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 PREPARED INSTALLATION GUIDE (E.G. OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

- MP MD PP E - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
 MP MD PP E - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #)

DIVISION OF THE STATE ARCHITECT



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 761 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL. (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD., VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADOR

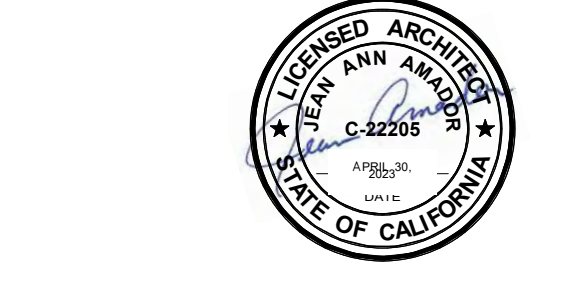
2828 AGOURA RD. 201 | AGOURA VILLAS, CA. 91301 | 866-566-0384

CONSULTANT

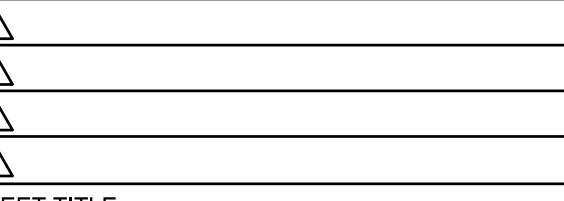


838 East Front Street
 Ventura, California 93001-2925
 (805) 653-1722
hugh@aegroupme.com

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023



SHEET TITLE:

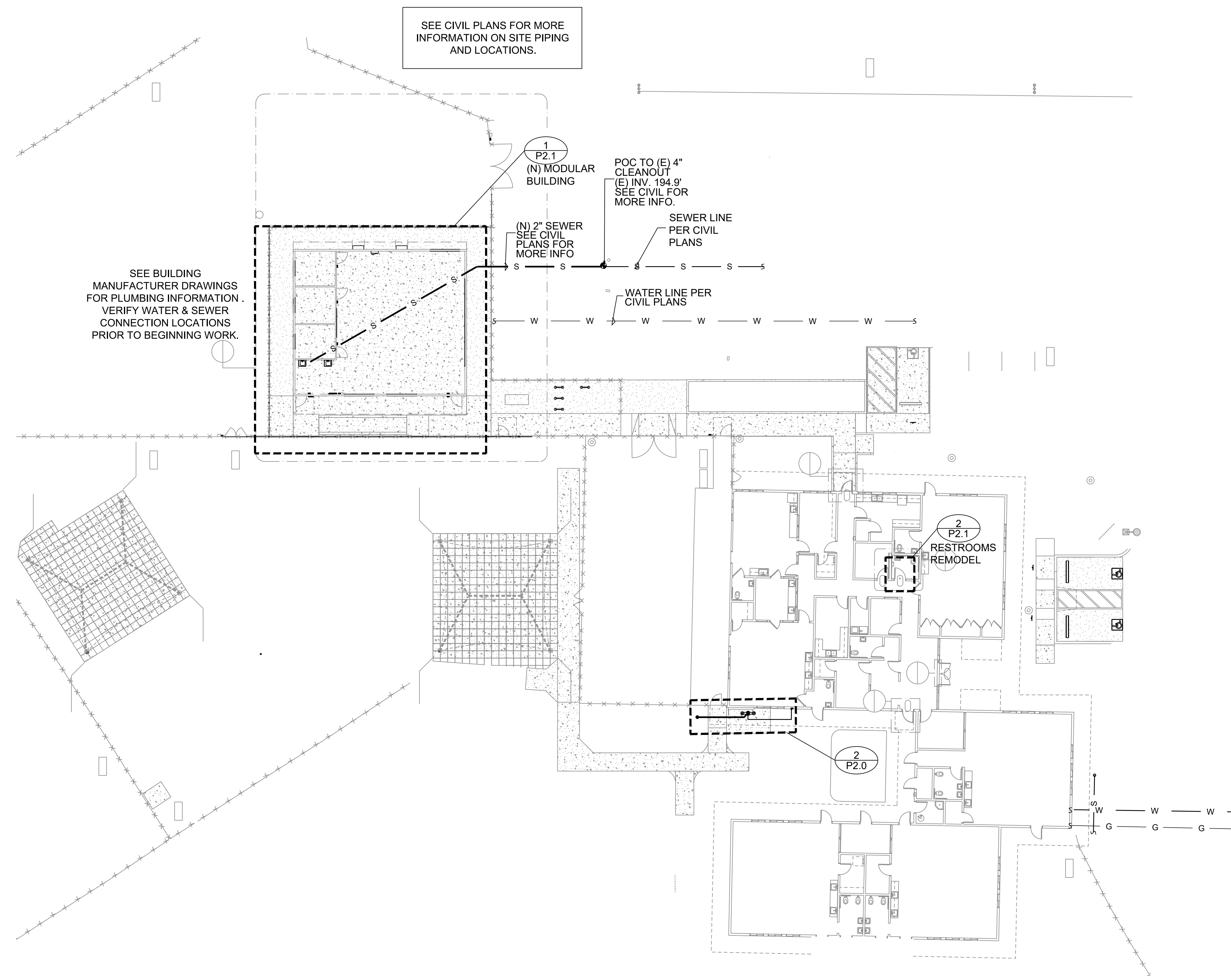
PLUMBING NOTES & SCHEDULE

PROJECT NO.: PROJECT ARCH:

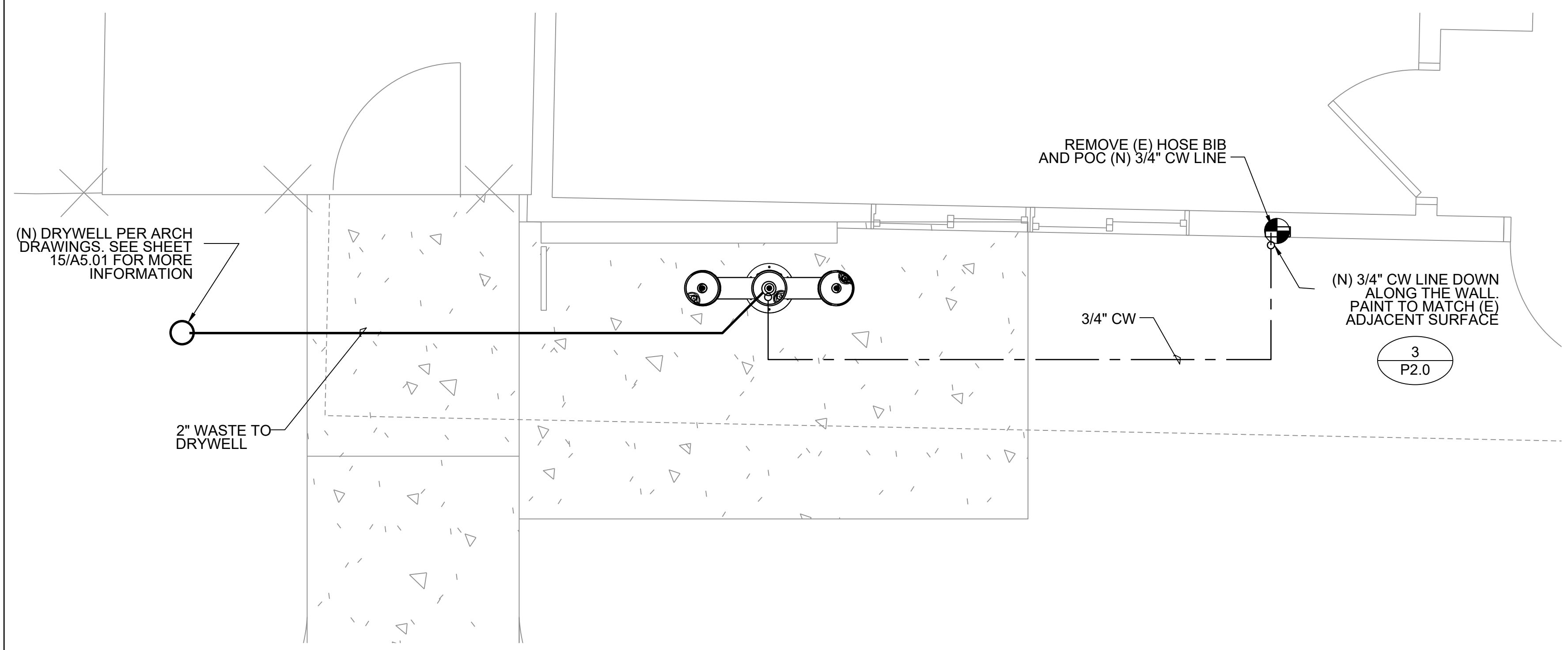
DRAWN: JS CHECKED: HMBPW

SHEET NUMBER:

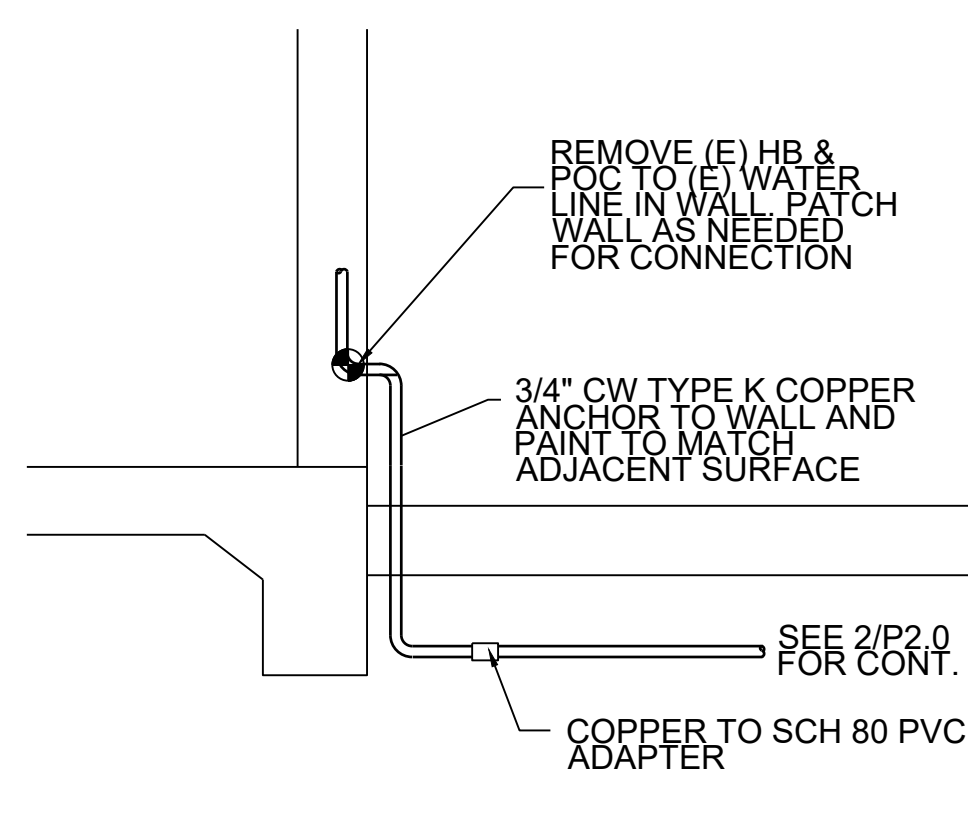
</



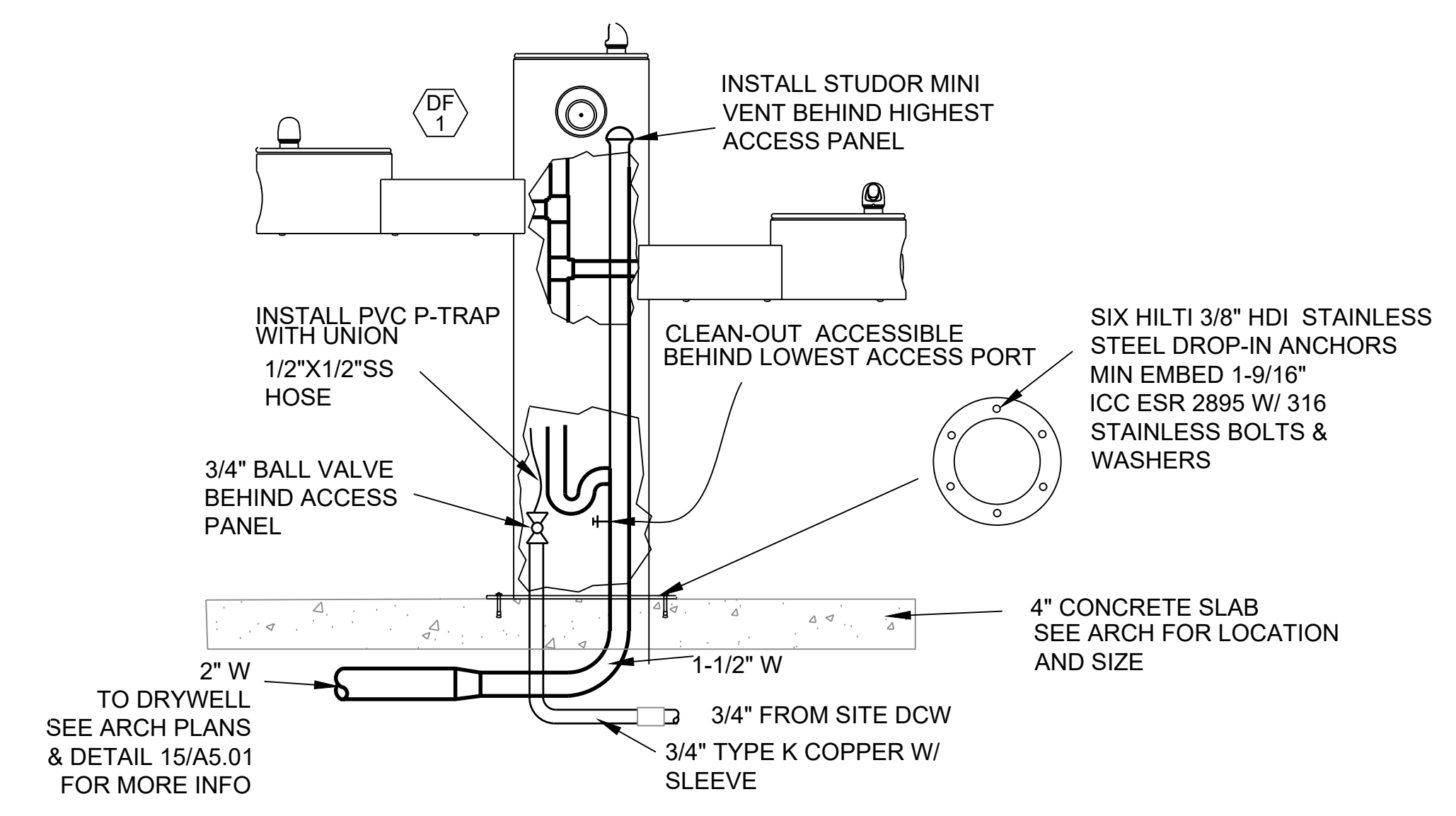
① PLUMBING SITE PLAN
SCALE: 1/16"=1'-0"



② PLUMBING ENLARGED PLAN
SCALE: 1/2"=1'-0"



③ WATER LINE AT WALL DETAIL
SCALE: NTS



④ DRINKING FOUNTAIN DETAIL
SCALE: NTS



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
81 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION
CDC-INSTALLATION (1) PC-MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADOR

2828 AGOURA RD, 281 | AGOURA HILLS CA, 91001 | 866-568-034

CONSULTANT

AE Group
Mechanical Engineers
838 East Front Street
Ventura, California 93001-2925
(805) 653-1722
hugh@aegroupme.com

STAMPS/SEALS



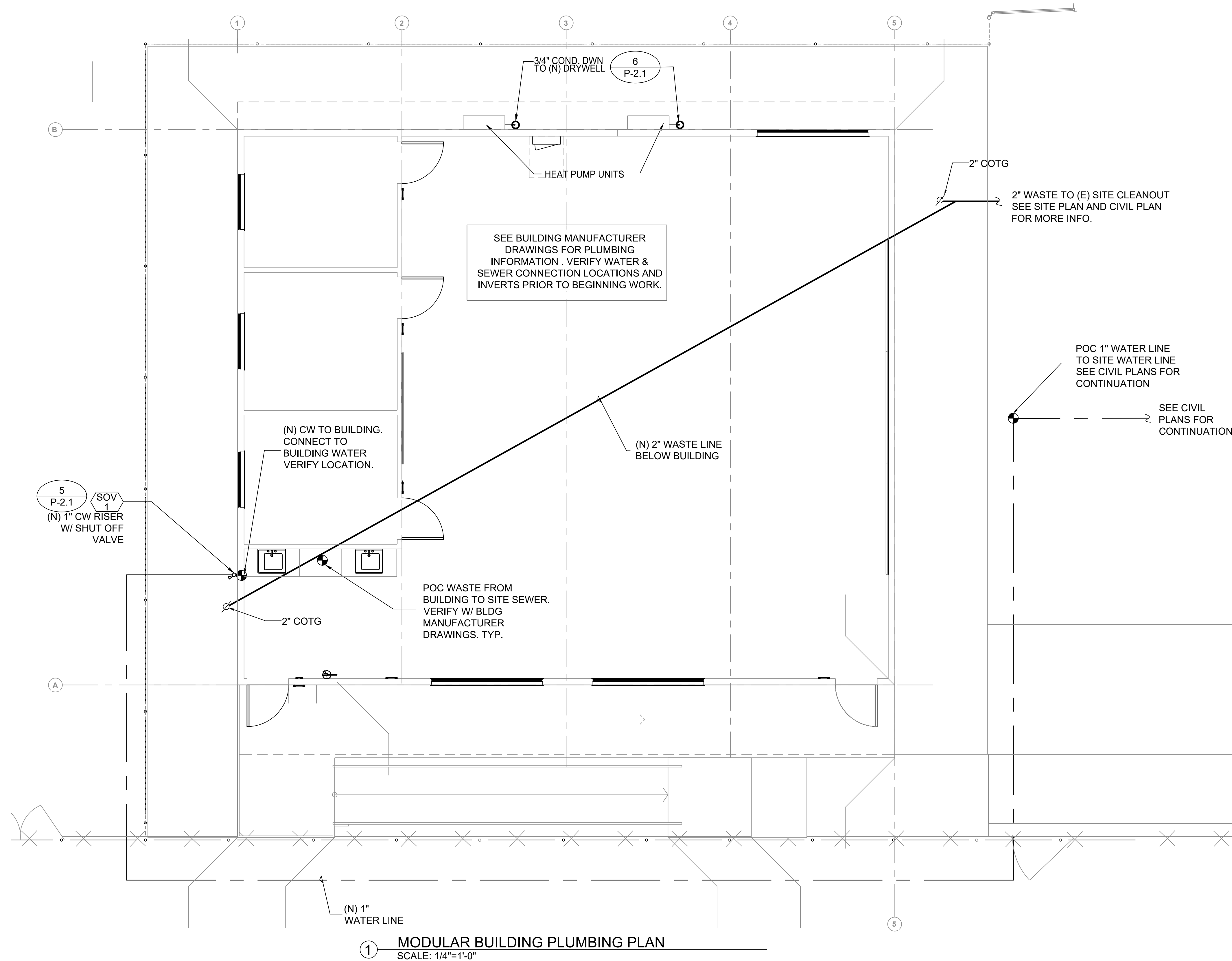
DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:
PLUMBING SITE PLAN

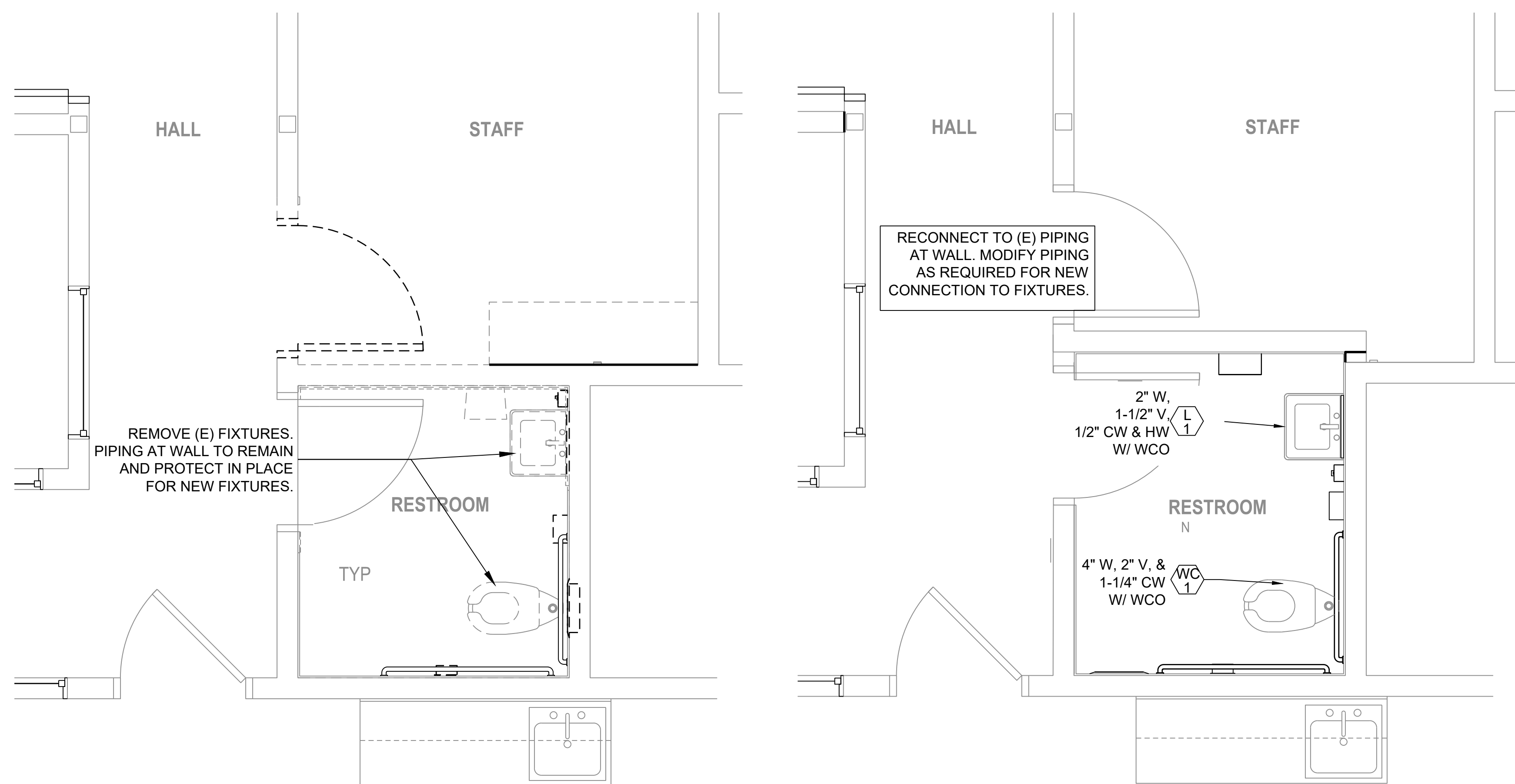
PROJECT NO.: PROJECT ARCH:
DRAWN: JS CHECKED: HMB/PW

SHEET NUMBER:
P2.0

DATE: SHEET: OF

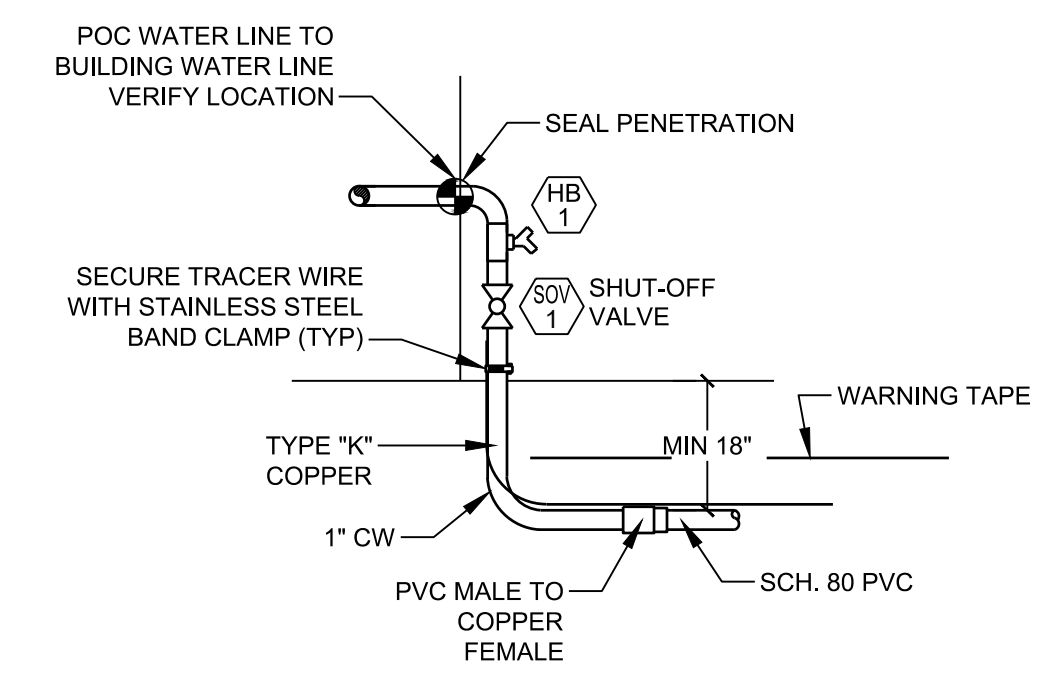


1 MODULAR BUILDING PLUMBING PLAN
SCALE: 1/4"=1'-0"

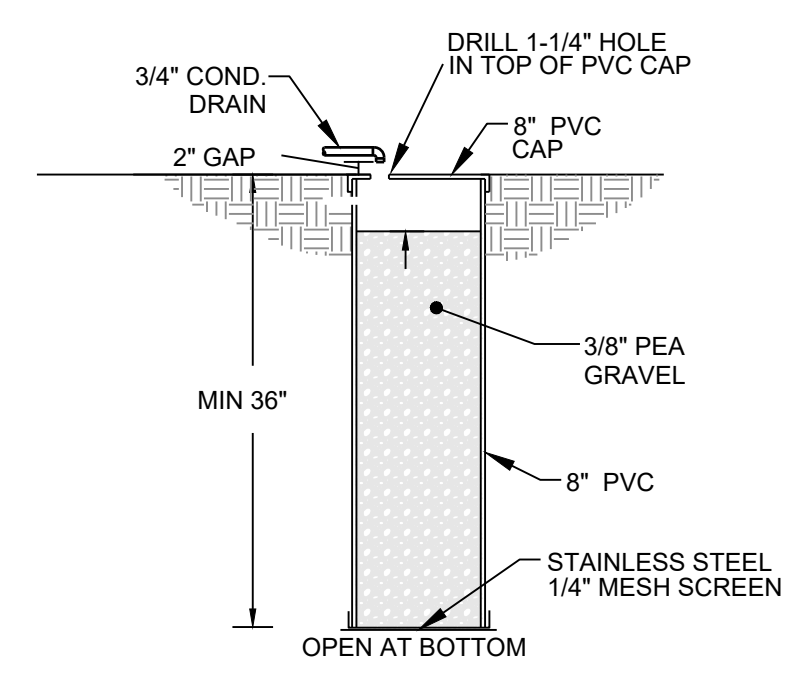


2 RESTROOM PLUMBING DEMOLITION PLAN
SCALE: 1/2"=1'-0"

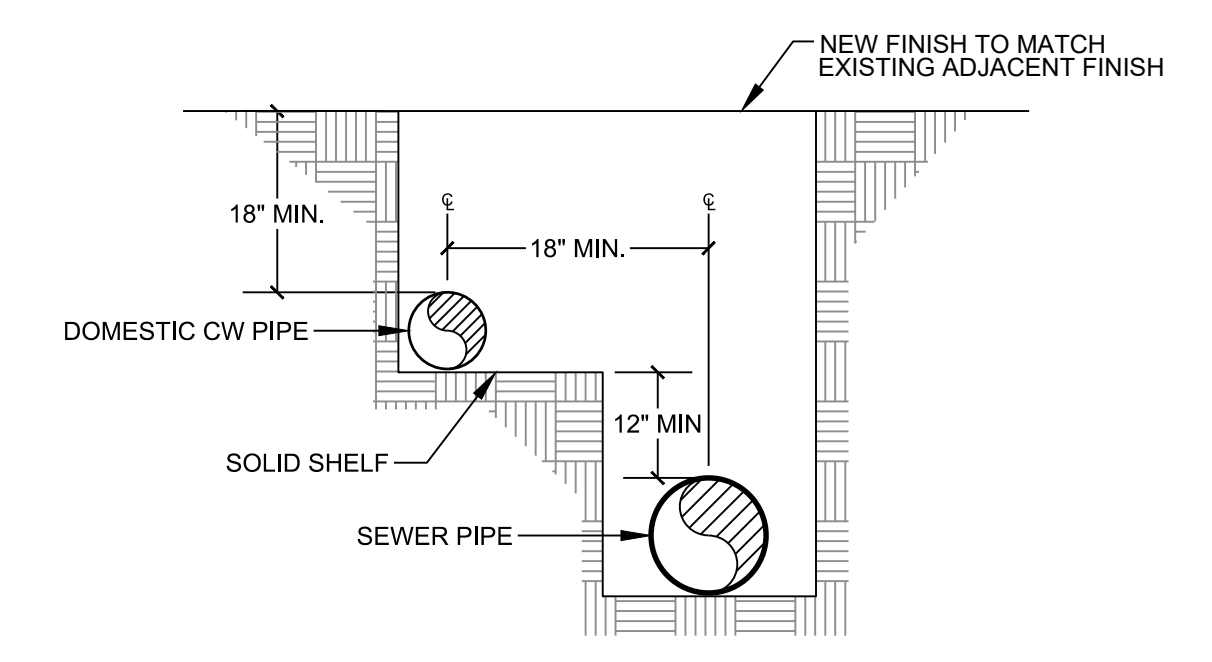
3 RESTROOM PLUMBING PLAN
SCALE: 1/2"=1'-0"



4 BUILDING WATER SUPPLY DETAIL
SCALE: NTS



5 DRYWELL DETAIL
SCALE: NTS



6 TYPICAL TRENCH & INSTALLATION OF PIPING WHERE LINES RUN PARALLEL
SCALE: NTS

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR: SS FLS ACS
DATE: 04/19/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION
CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
4667 TELEGRAPH RD.
VENTURA, CA, 93003

COMMISSIONED ARCHITECT

AMADOR
2628 AGOURA RD, 203 | AGOURA HILLS CA, 91001 | 865-664-0344

CONSULTANT
AE Group Mechanical Engineers
838 East Front Street
Ventura, California 93001-2925
(805) 653-1722
hugh@aegroupme.com

STAMPS/SEALS
REGISTERED PROFESSIONAL ENGINEER
MECHANICAL
STATE OF CALIFORNIA
M030626
Exp. 03/30/24
REGISTERED ARCHITECT
STATE OF CALIFORNIA
C-22203

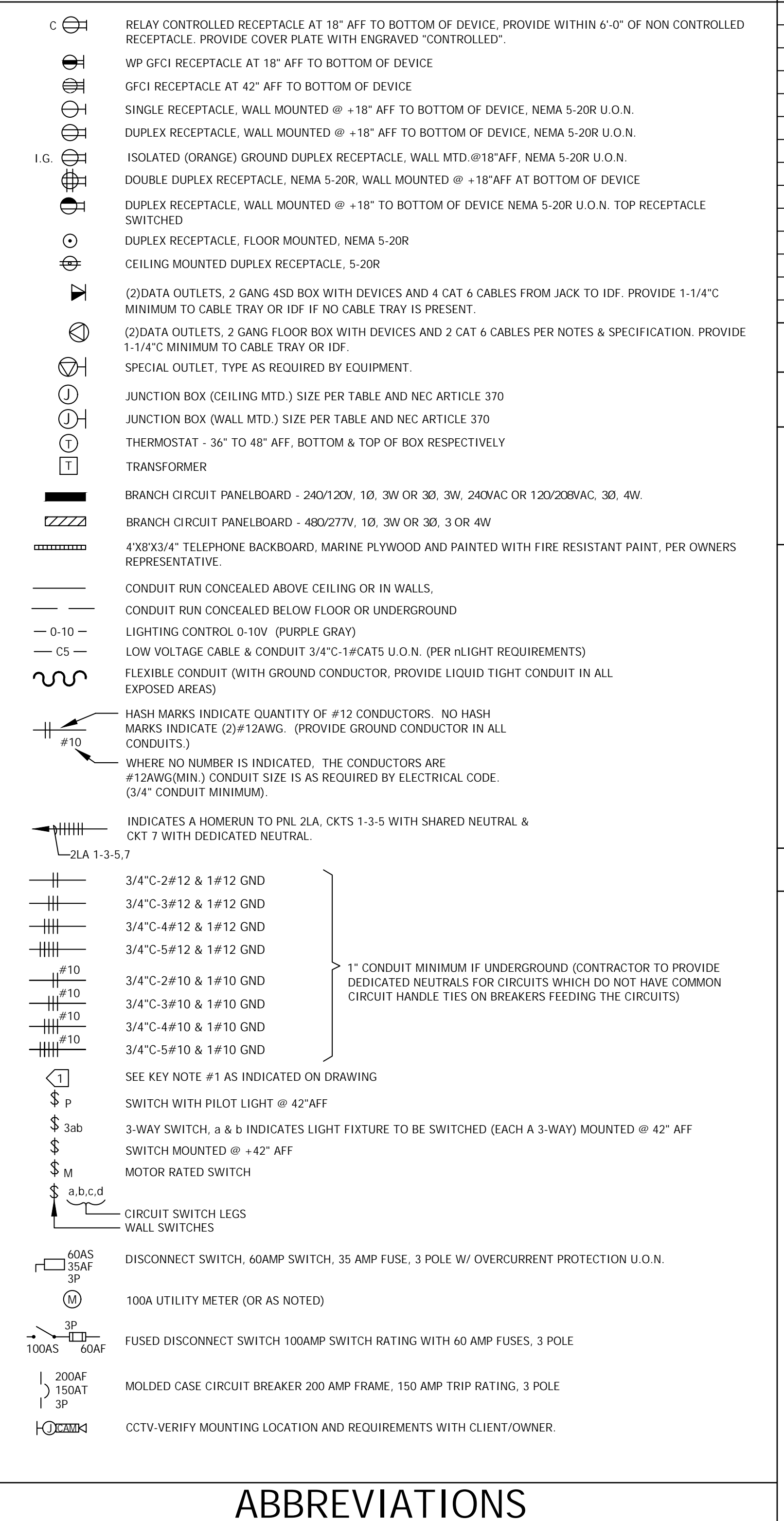
DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:
ENLARGED PLUMBING PLANS
PROJECT NO.: PROJECT ARCH:
DRAWN: JS CHECKED: HMM/PW
SHEET NUMBER:
P2.1
DATE: SHEET: OF:

GENERAL NOTES

- A. GENERAL**
- SCOPE**
THE DRAWINGS AND THESE GENERAL NOTES DESCRIBE THE SCOPE OF WORK AND SYSTEMS. THE MATERIAL REQUIRED FOR THE WORK SHALL BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED. UNLESS SPECIFICALLY NOTED OTHERWISE, THE WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING PRINCIPAL SYSTEMS AND EQUIPMENT.
 - PERMITS AND CHARGES**
OBTAIN AND PAY FOR ALL NECESSARY CONSTRUCTION PERMITS, INSPECTION FEES, AND OTHER CHARGES BY AGENCIES HAVING JURISDICTION.
 - REGULATIONS AND CODES**
PROVIDE AND INSTALL ALL MATERIALS IN CONFORMANCE WITH THE 2019 C.E.C., CALIFORNIA ADMINISTRATIVE CODE TITLE 8, AND OTHER CODES AND REGULATIONS HAVING JURISDICTION. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE INSPECTING AUTHORITY AND THE MANUFACTURERS RECOMMENDATIONS.
 - VERIFYING EXISTING CONDITIONS**
BEFORE SUBMITTING BID, BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS AT THE BUILDING. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREAFTER. BY THE ACT OF SUBMITTING A BID PROPOSAL FOR THE WORK, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH STUDY AND EXAMINATION AND TO ACCEPT ALL CONDITIONS PRESENT AT THE SITE. NO REQUEST FOR ADDITIONAL PAYMENT WILL BE CONSIDERED AS VALID, DUE TO FAILURE TO ALLOW FOR CONDITIONS WHICH MAY EXIST.
 - COORDINATION**
COORDINATE ALL WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTION REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
ELECTRICAL EQUIPMENT LOCATIONS INDICATED ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATION SHALL BE VERIFIED.
SCALING OFF OF DRAWINGS SHALL BE DONE AT CONTRACTORS RISK. DO NOT SCALE DEVICES, LIGHTING FIXTURES OR ANY EQUIPMENT FROM PLANS.
LIGHTING FIXTURE QUANTITIES AND LENGTHS SHALL BE CONTRACTORS RESPONSIBILITY. FIXTURES ARE SHOWN FOR CIRCUITING ONLY. CONTRACTOR TO VERIFY SIZES & QUANTITIES PRIOR TO BID.
 - SERVICE CONTINUITY**
UNINTERRUPTED EXISTING ELECTRICAL POWER SHALL BE MAINTAINED TO OTHER TRADES FOR TEMPORARY POWER AREAS OF THE SITE DURING CONSTRUCTION. PROVIDE ANY TEMPORARY SERVICES AS MAY BE REQUIRED. IDENTIFY AT BID TIME, ALL WORK TO BE DONE ON PREMIUM TIME AND THE TOTAL OVERTIME MAN-HOURS REQUIRED FOR COMPLETION.
 - AS BUILT**
PROVIDE RECORD DRAWINGS IN ACAD TO THE OWNER WITH ALL CHANGES NOTED THEREON AT THE COMPLETION OF THE PROJECT. RECORD DRAWINGS SHALL BE SIGNED AND DATED BY CONTRACTOR PRIOR TO RELEASE OF FINAL RETENTION OF ALL MONIES.
 - GUARANTEE**
CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE ALL LABOR AND MATERIALS ON ALL WORK AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR.
 - SHOP DRAWINGS**
SUBMIT SHOP DRAWINGS AND MATERIAL LIST FOR REVIEW PRIOR TO COMMENCING ANY WORK. ALL EQUIPMENT TO BEAR U.L. LABEL OR THAT OF ANOTHER ACCEPTABLE TESTING LABORATORY. SHOP DRAWINGS MUST BE STAMPED BY THE CONTRACTOR FOR CONFORMANCE PRIOR TO SUBMITTAL.
SUBMIT THREE HARD COPY SETS OF SHOP DRAWINGS FOR REVIEW PRIOR TO PURCHASING ALL BREAKER MOUNTING HARDWARE, DISCONNECT SWITCHES, FUSES, CONTROLLERS, LIGHTING FIXTURES, LIGHT SWITCHES, RECEPTACLES, ETC.
 - CONTRACTOR BID**
CONTRACTOR'S BID SHALL BE BASED ON ALL WORK SHOWN ON THE PLANS AND AS SPECIFIED. IF CONTRACTOR PROPOSES TO SUBSTITUTE FOR EQUIPMENT SPECIFIED, HE SHALL SUBMIT HIS REQUEST FOR CONSIDERATION OF THE OWNER AND ENGINEER PRIOR TO BID IN WRITING. ALL SUBSTITUTIONS MUST BE REVIEWED BY THE ENGINEER IN WRITING. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS, AND THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS OWN EXPENSE FOR ANY CHARGES RESULTING FROM HIS PROPOSED SUBSTITUTIONS WHICH AFFECT OTHER PARTS OF HIS OWN WORK. THE OWNER, ENGINEER OF RECORD OR THE WORK OF OTHER CONTRACTORS.
- B. MATERIAL AND INSTALLATION**
- ALL WORK AND MATERIAL SHALL CONFORM TO THE LATEST RULES OF THE GOVERNING ELECTRICAL CODE AND INSTALLATION SHALL BE OF THE LATEST INDUSTRY STANDARDS OF WORKMANSHIP.
- ALL MATERIALS SHALL BE NEW AND LISTED FOR THE APPLICATION BY UNDERWRITERS LABORATORY (UL).
- CONDUITS**
CONDUIT SHALL BE EMT, PVC, IMC, RIGID OR FLEXIBLE STEEL, TYPE. CONDUIT SHALL BE MANUFACTURED IN ACCORDANCE WITH U.L. A GROUND WIRE IS REQUIRED IN ALL FLEXIBLE CONDUIT AND UNDERGROUND CONDUIT. BUSINGS SHALL BE INSTALLED ON ALL COMMUNICATION, TELEPHONE & SPEAKER CONDUITS, PROVIDE 3/16" NYLON PULL STRING IN ALL EMPTY CONDUITS, NO MC, BX OR AC90 SHALL BE PERMITTED. FLEXIBLE STEEL CONDUIT RUNS SHALL BE LIMITED TO A MAXIMUM LENGTH OF 6 FOOT.
 - SWITCHES AND RECEPTABLES**
PROVIDE 20AMP NEMA RATED SWITCHES AND RECEPTABLES OF SPECIFICATION GRADE. ALL SWITCHES SHALL BE RATED FOR 120 AND/OR 277 VOLT AND RECEPTABLES SHALL BE NEMA 5-20R. IN ALL OFFICES AND OFFICE AREAS DEVICES SHALL BE DECORA SERIES TYPE WITH COLOR SELECTION BY CONTRACTOR/OWNERS REPRESENTATIVE.
 - FEEDERS AND BRANCH CIRCUITS IDENTIFICATION**
IDENTIFY FEEDERS WITH THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, LOAD END, AND IN PULL BOXES WITH E-Z CODE OR OTHER APPROVED WIRE MARKER.
IDENTIFY BRANCH CIRCUITS WITH I.D. MARKERS, THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, AT ALL SPLICES, IN JUNCTION BOXES, AND IN OUTLETS. USE PLASTIC COATED SELF-STICKING MARKERS SUCH AS THOMAS & BETTS E-Z CODE FOR IDENTIFICATION OF CONDUCTORS.
IDENTIFY SIGNAL & COMMUNICATION CABLES AT TERMINAL AND OUTLET UNIQUELY WITH PERMANENT LABELING.
 - CONDUCTORS**
DELIVER ALL CONDUCTORS TO THE JOB SITE IN ORIGINAL UNBROKEN CARTON OR REEL, PROPERLY TAGGED WITH U.L. LABEL, SIZE, TYPE, MANUFACTURER, TRADE NAME AND THE DATE OF MANUFACTURE. (MUST BE MANUFACTURED WITHIN 6 MONTHS)
PROVIDE COPPER CONDUCTORS #12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. PROVIDE STRANDED COPPER CONDUCTORS FOR ALL WIRING. USE CONDUCTORS WITH 90°C THHN/THWN 600 VOLTS INSULATION, UNLESS OTHERWISE NOTED.
 - STRUCTURAL SUPPORT**
EACH SECTION OF FLOOR MOUNTED SWITCHBOARD, DISTRIBUTION BOARD, MCC, ETC. SHALL BE BOLTED TO THE CONCRETE HOUSEKEEPING PAD USING (6) 3/4" x 10 GRAD 2 BOLTS AND CONICAL WASHERS TORQUED TO 70LB-FT. PROVIDE MINIMUM 4000 PSI STRENGTH CONCRETE BELOW ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT. THE TOP OF ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT TO THE BUILDING STRUCTURE IN A SEISMICALLY APPROVED MANNER.
 - ELECTRICAL CERTIFICATION**
"ELECTRICIANS" PERFORMING WORK ON THIS PROJECT SHALL BE CURRENTLY CERTIFIED IN ACCORDANCE WITH THE STATE OF CALIFORNIA A8931 AND THE DIVISION OF APPRENTICESHIP STANDARDS SECTION 3099.
- C. DEMOLITION**
- NOTIFY THE OWNER IMMEDIATELY WHEREVER EXISTING EQUIPMENT IS ENCOUNTERED WHICH MUST BE RELOCATED DUE TO THE NEW CONSTRUCTION, AND WHICH IS NOT INDICATED ON THE PLANS.
 - ALL REMOVED MATERIALS AND EQUIPMENT WHICH ARE SALVAGEABLE SHALL REMAIN THE PROPERTY OF THE OWNER. DELIVER SUCH SALVAGED MATERIALS AND EQUIPMENT ON THE PREMISES AS DIRECTED BY OWNER, AND NEATLY PILE OR STORE THEM AND PROTECT FROM DAMAGE. REMOVE FROM PREMISES AND DISPOSE OF ALL MATERIALS CONSIDERED BY THE OWNER TO BE SCRAP.
 - ALL DEVICES, CIRCUITS CONDUCTORS, FEEDERS ETC., WHEN NOTED TO BE REMOVED, SHALL BE REMOVED TO THE LAST ACTIVE DEVICE. ALL OVER-CURRENT PROTECTION AND DISCONNECT DEVICES NO LONGER UTILIZED BUT REMAINING AS LAST ACTIVE DEVICE SHALL BE LABELED AS "SPARE". COORDINATE ALL OUTAGES WITH OWNERS REPRESENTATIVE.
 - DISCONNECT AND MAKE SAFE ALL ELECTRICAL SYSTEMS ON SITE AND IN WALL, FLOORS, AND CEILING SCHEDULED FOR REMOVAL.
 - REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.
 - REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY AND RE-LABEL DEVICES AS SPARES.
 - REMOVE ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CUT CONDUIT FLUSH WITH WALLS AND FLOOR, AND PATCH SURFACES.
 - DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVE. PROVIDE BLANK COVER FOR ABANDONED OUTLETS WHICH ARE NOT REMOVED.
 - DISCONNECT AND REMOVE ABANDONED LUMINAIRES. REMOVE BRACKETS, STEM, HANGERS, AND OTHER ACCESSORIES.
 - REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK
 - MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.
 - BEGINNING OF DEMOLITION MEANS CONTRACTOR ACCEPTS EXISTING CONDITIONS.
- D. EXECUTION**
- CAREFULLY PROTECT ALL WALLS, TRIM, FLOORS, EQUIPMENT UTILITY LINES AND MATERIALS. WHEN WORKING ON FINISHED SURFACES, LIMIT DAMAGE TO THE DERATING FACTORS SUCH AS POSSIBLE AND RESTORE TO THE ORIGINAL CONDITION ALL SURFACES WHICH ARE DAMAGED BECAUSE OF THE INSTALLATION OF THIS WORK.
 - EQUIPMENT, MATERIALS AND SUPPLIES REMOVED FOR PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY.
 - DO ALL DRILLING, CUTTING, CHANNELING AND PATCHING REQUIRED TO INSTALL ELECTRICAL WORK AS INDICATED OR HEREIN SPECIFIED. ALL HOLES, CURBS, ETC., IN FLOORS, CEILING AND WALLS SHALL BE PATCHED, UNLESS INDICATED OTHERWISE. PAINT ALL NEW ELECTRICAL RACEWAYS, CABINETS, ENCLOSURES AND FITTINGS PENETRATING INTO FIRE RATED ENVELOPES, SPACES, ETC.
 - ALL CONDUIT RUNS SHALL BE CONCEALED, UNLESS SHOWN OTHERWISE. PROVIDE A PULL WIRE IN ALL EMPTY CONDUITS.
 - EXISTING CONDITION SHOWN IS FROM AVAILABLE RECORD DRAWINGS AND VISUAL FIELD SURVEY AND SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ACTUAL EXISTING CONDITION AT SITE.

SYMBOLS



ABBREVIATIONS

A	AMPERES	(F)	STATION	NC	NORMALLY CLOSED
AF	AMP FRAME/AMP FUSE	FR	FRONT	OH	OVERHEAD
AFC	AVAILABLE FAULT CURRENT	FS	SHALLOW FLOOR BOX	PO	POWER OR POLE
AFI	ABOVE FINISHED FLOOR	FT	FEET	PBO	PROVIDED BY OTHERS
AIC	AMP INTERRUPTING CURRENT	GC	GENERAL CONTRACTOR	PNL	PANEL
ARCH	ARCHITECT	GFI	GROUND FAULT INTERRUPTER	PV	PHOTO VOLT/AC
AS	AMP SWITCH	GND	GROUND	(R)	REMOVED
ASTM	AMERICAN SOCIETY OF TESTING MATERIAL(S)	HP	HORSEPOWER	RMS	RIGID GALVANIZED STEEL
AT	AMP TRIP	ID	IDENTIFICATION	CONDUIT	CONDUIT
ATG	AUTOMATIC TRANSFER SWITCH	IDF	INTERMEDIATE DISTRIBUTION FRAME	RM	ROOM
ATM	AMERICAN WIRE GAGE	IG	FRAME	SN	SYSTEM NEUTRAL
BBKD	BACKBOARD	IS	ISOLATED GROUND	SPD	SURGE PROTECTION DEVICE
B	CONDUIT OR CEILING	JB	JUNCTION BOX	TC	TIME CLOCKS
CB	CIRCUIT BREAKER	K	KILO	TB	TELEPHONE TERMINAL BOARD
CB	CIRCUIT BREAKER	KVA	KILO VOLT AMPS-1000VA	TIC	TELEPHONE TERMINAL CABINET
CONT	CONTINUATION	LC	LIGHTING CONTACTOR	TR	TRANSFORMER
CKT	CIRCUIT	LCL	LONG CONTINUOUS LOAD	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
CLC	CELLING	LV	LOW VOLTAGE	M	METER
CO	CONDUIT ONLY	MC	METAL CLAD	TYP	TYPICAL
CTV	CABLE TELEVISION	MD	MAIN DISTRIBUTION FRAME	UG	UNDERGROUND
CU	COPPER	MIN	MINIMUM	UL	UNDERWRITERS LABORATORY
CW	COLD WATER PIPE	MTD	MOUNTED	UN	UNLESS OTHERWISE NOTED
DIS	DISCONNECT	MTB	MAIN TELEPHONE BACKBOARD	UNSW	UNSWITCHED
DS	DISCONNECT SWITCH	MOUNTING	MOUNTING	V	VOLTS/VOLTAGE
DWG	DRAWING	MV	MEDIUM VOLTAGE	VA	VOLT AMPS
ECD	ELECTRICAL CONTRACTOR	MH	MAN HOLE	VD	VOLTAGE DROP
EM	EMERGENCY LIGHT FEEDER	MFG	MANUFACTURER	W	WATTS/WATTAGE
EMT	ELECTRICAL METAL TUBING	NEC	NATIONAL ELECTRICAL CODE	WP	WEATHERPROOF
EOR	ENGINEER OF RECORD	N	NEW	W/	WITH
ETP	ETHYLENE PROPYLENE RUBBER	NIC	NOT IN CONTRACT	W/	WITH
EVC5	ELECTRIC VEHICLE CHARGING	NL	NIGHT LIGHT	Ø	PHASE
		NO	NORMALLY OPEN		

COLOR CODE FOR CONDUCTORS

PROVIDE CONDUCTOR COLOR CODE AS FOLLOWS:
120/208VAC, 30-4W: BLUE, BLACK, RED FOR PHASE CONDUCTORS AND WHITE FOR NEUTRAL, GREEN FOR GROUND.
277/480VAC, 30-4W: ORANGE, BROWN, YELLOW FOR PHASE CONDUCTORS AND WHITE FOR NEUTRAL, GREEN FOR GROUND.

DERATING TABLE

NEC #310-8 ADJUSTMENT FACTORS	
NUMBER OF CURRENT-CARRYING CONDUCTORS	PERCENT OF VALUES IN TABLES AS ADJUSTED FOR AMBIENT TEMPERATURE IF NECESSARY
4 THROUGH 6	80
7 THROUGH 9	70
10 THROUGH 20	50
21 THROUGH 30	45
31 THROUGH 40	40
41 AND ABOVE	35

WHERE SINGLE CONDUCTORS OR MULTICONDUCTOR CABLES ARE STACKED OR BUNDLED LONGER THAN 24 INCHES (610 mm) WITHOUT MAINTAINING SPACING AND ARE NOT INSTALLED IN RACEWAYS, THE ALLOWABLE AMPCACITY OF EACH CONDUCTOR SHALL BE REDUCED AS SHOWN IN THE ABOVE TABLE.

EXCEPTION NO. 1: WHERE CONDUCTORS OF DIFFERENT SYSTEMS, AS PROVIDED IN SECTION 300-3, ARE INSTALLED IN A COMMON RACEWAY OR CABLE, THE DERATING FACTORS SHOWN ABOVE SHALL APPLY TO THE NUMBER OF POWER AND LIGHTING (ARTICLES 210, 215, 220, AND 230) CONDUCTORS ONLY.

EXCEPTION NO. 2: FOR CONDUCTORS INSTALLED IN CABLE TRAYS, THE PROVISIONS OF SECTION 318-11 SHALL APPLY.

EXCEPTION NO. 3: DERATING FACTORS SHALL NOT APPLY TO CONDUCTORS IN NIPPLES HAVING A LENGTH NOT EXCEEDING 24 INCHES (610mm).

EXCEPTION NO. 4: DERATING FACTORS SHALL NOT APPLY TO UNDERGROUND CONDUCTORS ENTERING OR LEAVING AN OUTDOOR TRENCH IF THOSE CONDUCTORS HAVE PHYSICAL PROTECTION IN THE FORM OF RIGID METAL CONDUIT, INTERMEDIATE METAL CONDUIT, OR RIGID NONMETALLIC CONDUIT HAVING A LENGTH NOT EXCEEDING TO FEET (3.05m) ABOVE GRADE AND THE NUMBER OF CONDUCTORS DOES NOT EXCEED FOUR.

EXCEPTION NO. 5: FOR OTHER LOADING CONDITIONS, ADJUSTMENT FACTORS AND AMPCITIES SHALL BE PERMITTED TO BE CALCULATED UNDER SECTION 310-15(b)

(FMC) SEE APPENDIX B, TABLE B-310-11 FOR ADJUSTMENT FACTORS FOR MORE THAN THREE CURRENT-CARRYING CONDUCTORS IN A RACEWAY OR CABLE WITH LOAD DIVERSITY.

(b) MORE THAN ONE CONDUIT, TUBE, OR RACEWAY. SPACING BETWEEN CONDUITS, TUBING, OR RACEWAYS SHALL BE MAINTAINED.

LIST OF DRAWINGS

SHEET	DESCRIPTION	SHEET	DESCRIPTION
E100	GENERAL NOTES, ABBREVIATIONS, SYMBOLS & DRAWING LIST	FA101	ENLARGED FIRE ALARM PLAN
E130	SITE LIGHTING PLAN	FA102	FIRE ALARM DETAIL SHEET
E131	SITE LIGHTING PHOTOMETRIC PLAN	FA103	FIRE ALARM RISER DIAGRAM, VOLTAGE DROP, AND BATTERY CALCULATION
E132	ST FIXTURE MANUFACTURE SHEETS	FA104	FIRE ALARM DATA SHEETS
E133	S2A FIXTURE MANUFACTURE SHEETS	FA105	FIRE ALARM DATA SHEETS
E134	S2B FIXTURE MANUFACTURE SHEETS	FA106	FIRE ALARM DATA SHEETS
E140	POWER PLAN - ENLARGED AREAS	FA107	FIRE ALARM DATA SHEETS
E200	ELECTRICAL SINGLE LINE DIAGRAM AND PANEL SCHEDULES	FA108	FIRE ALARM DATA SHEETS
E401	SITE ELECTRICAL PLAN	FA109	FIRE ALARM DATA SHEETS
E405	POWER PLAN - MODULAR BUILDING	FA110	FIRE ALARM DATA SHEETS
E410	MODULAR ELECTRICAL PLAN		
E600	ELECTRICAL DETAILS		
FA100	FIRE ALARM GENERAL NOTES, SYMBOLS & ABBREVIATION		

SCOPE OF WORK

PROVIDE POWER, NORMAL AND EM LIGHTING, AND LOW VOLTAGE FOR NEW STRUCTURE.

APPLICABLE CODES

LIST OF 2019 CALIFORNIA CODE OF REGULATIONS (C.C.R.):
APPLICABLE CODES AS OF JANUARY 1, 2020

PART 1	2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.	PART 5	2019 CALIFORNIA PLUMBING CODE, TITLE 24 C.C.R. (2018 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)	PART 10	2019 CALIFORNIA EXISTING BUILDING CODE (2018 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)
PART 2	2019 CALIFORNIA BUILDING CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS)	PART 6	2019 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.	PART 11	2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN CODE), TITLE 24 C.C.R.
PART 3	2019 CALIFORNIA ELECTRICAL CODE, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)	PART 7	CURRENTLY VACANT	PART 12	2019 CALIFORNIA REFERENCE STANDARDS CODE, TITLE 24 C.C.R.
PART 4	2019 CALIFORNIA MECHANICAL CODE, TITLE 24 C.C.R. (2018 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)	PART 8	2019 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24 C.C.R.		
		PART 9	2019 CALIFORNIA FIRE CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)		

MEP ANCHORAGE NOTES

- 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.1.8 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13. 26, AND 30.
- ALL PERMANENT EQUIPMENT AND COMPONENTS.
 - TEMPORARY OR MOVABLE 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 PLUS FOR 110/200 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
 - TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.
- THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE 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.
- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
 - COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

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

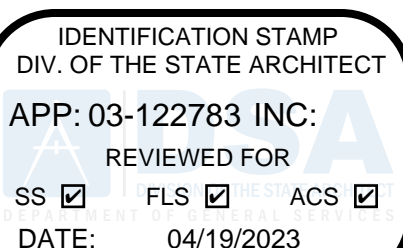
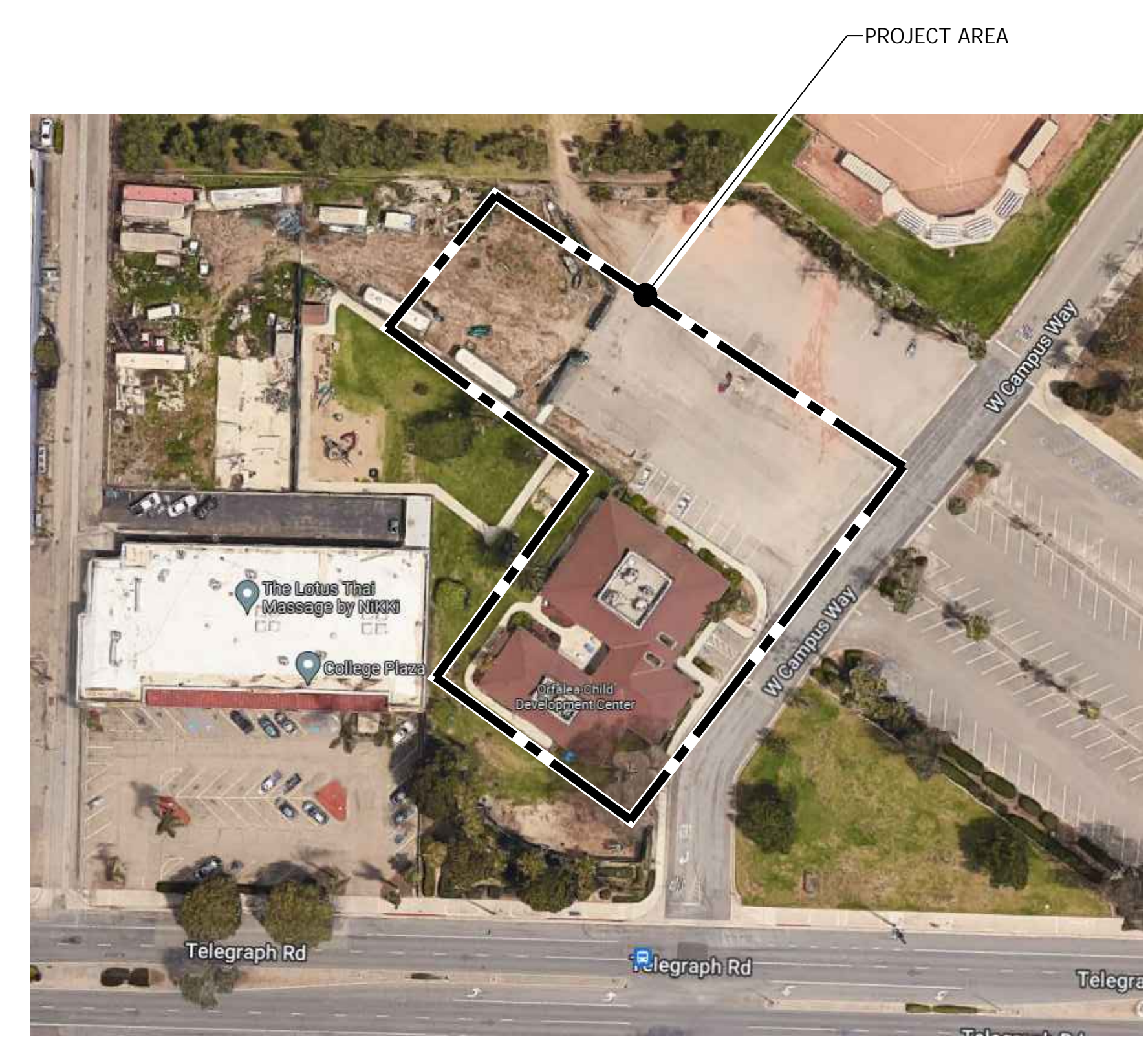
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A FIRE-APPROVED INSTALLATION GUIDE (E.G. CSHD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL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

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

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

MP MD PP E OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHD PER-APPROVAL (OPM)

SITE/AREA MAP



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
781 EAST DAILY DRIVE
CARMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
VENTURA, CA 93003

COMMISSIONED ARCHITECT

AMADÒR

CONSULTANT
LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CARMARILLO, CA 93021-8074
(805) 389-6520 FAX (805) 389-6519

(LUCCI & ASSOCIATES, INC. reserve their commonlaw copyright and other property rights in these plans. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the express written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.)

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

GENERAL NOTES, ABBREVIATIONS, SYMBOLS & DRAWING LIST

PROJECT NO: 22-VCCDD-16 PROJECT ARCH: JA

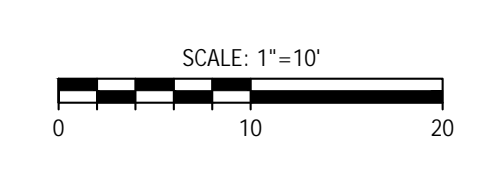
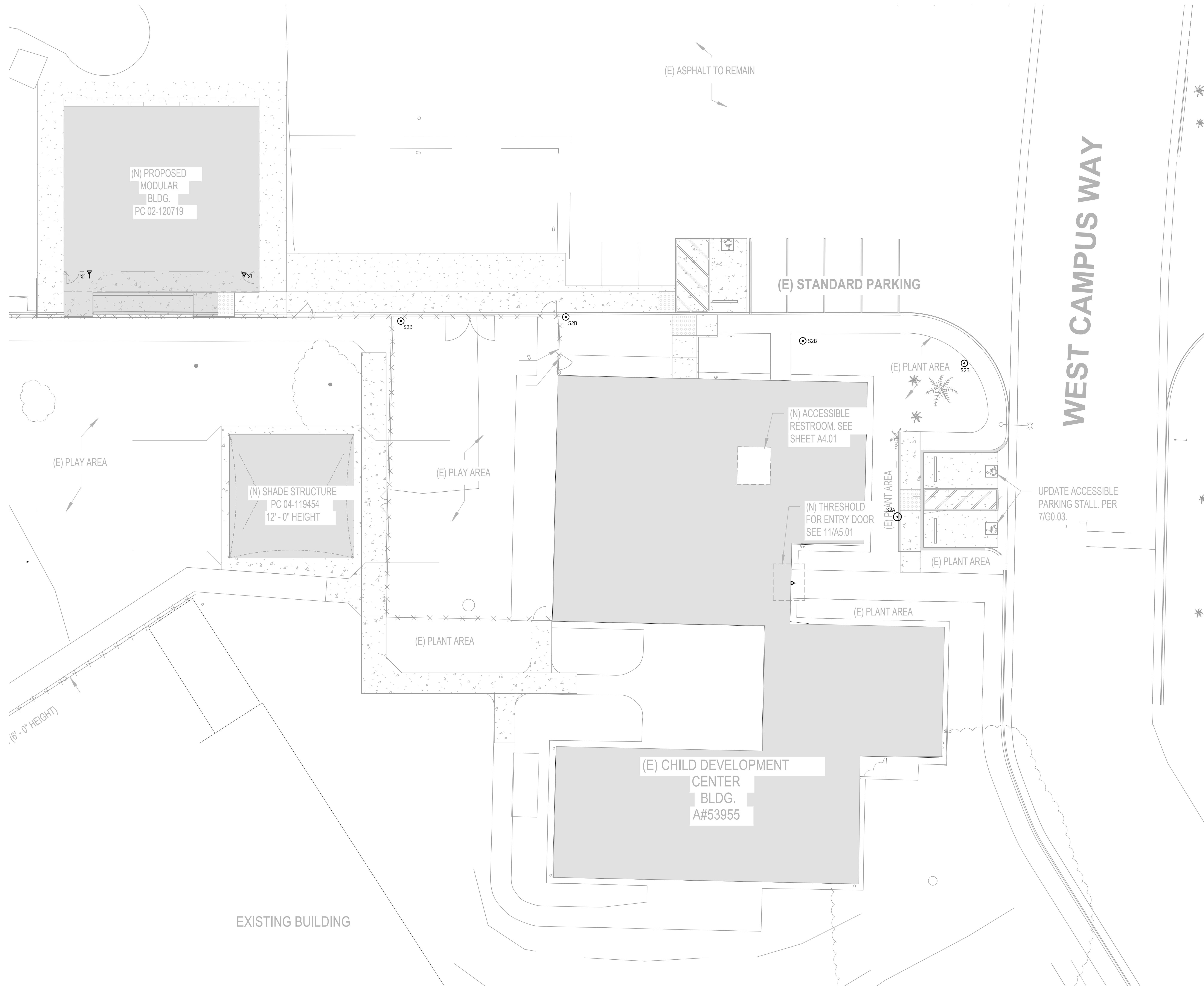
DRAWN: D.S.J.K. CHECKED: K.L.

SHEET NUMBER: _____

E100

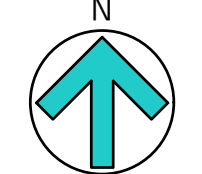
DATE: 11/29/2022 SHEET: _____ OF _____

DATE: 24 January 2023
 TIME: 4:47 pm
 DATE: 1/24/2023 1:27:06 PM
 DRAWING FILENAME: 22-554 E130
 SAVE DATE: 1/24/2023 1:27:06 PM
 DRAFTER: CM01
 DRAWING FILENAME: G:\22\554\NEL\Sheets\22-554 E130.dwg
 PLOT BY: Lee Keener
 PLOT DATE: 1/24/2023 4:47:18 PM



SITE LIGHTING PLAN
 SCALE: 1"=10'-0"

1
 E130



DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR:
 SS FLS ACS
 DATE: 04/19/2023



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 781 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
 4667 TELEGRAPH RD.
 VENTURA, CA 93003

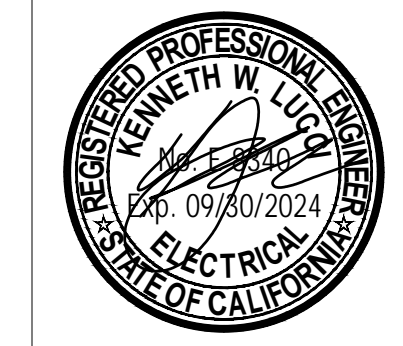
COMMISSIONED ARCHITECT

AMADÒR

28328 AGOURA RD. 203 | AGOURA HILLS CA, 91001 | 805-958-4234

CONSULTANT
LUCCI & ASSOCIATES INC.
 CONSULTING ELECTRICAL ENGINEERS
 3351 CORTE MALPASO, #511
 CAMARILLO, CA 93012-8094
 (805) 389-6520 FAX (805) 389-6519
LUCCI & ASSOCIATES, INC. reserve their common law copyright and other property rights in these plans. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the expressed written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

SITE LIGHTING PLAN

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
 DRAWN: D.S./L.K. CHECKED: K.L.
 SHEET NUMBER:

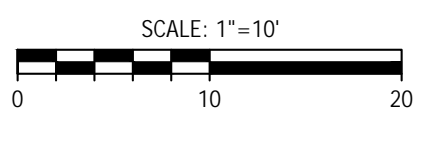
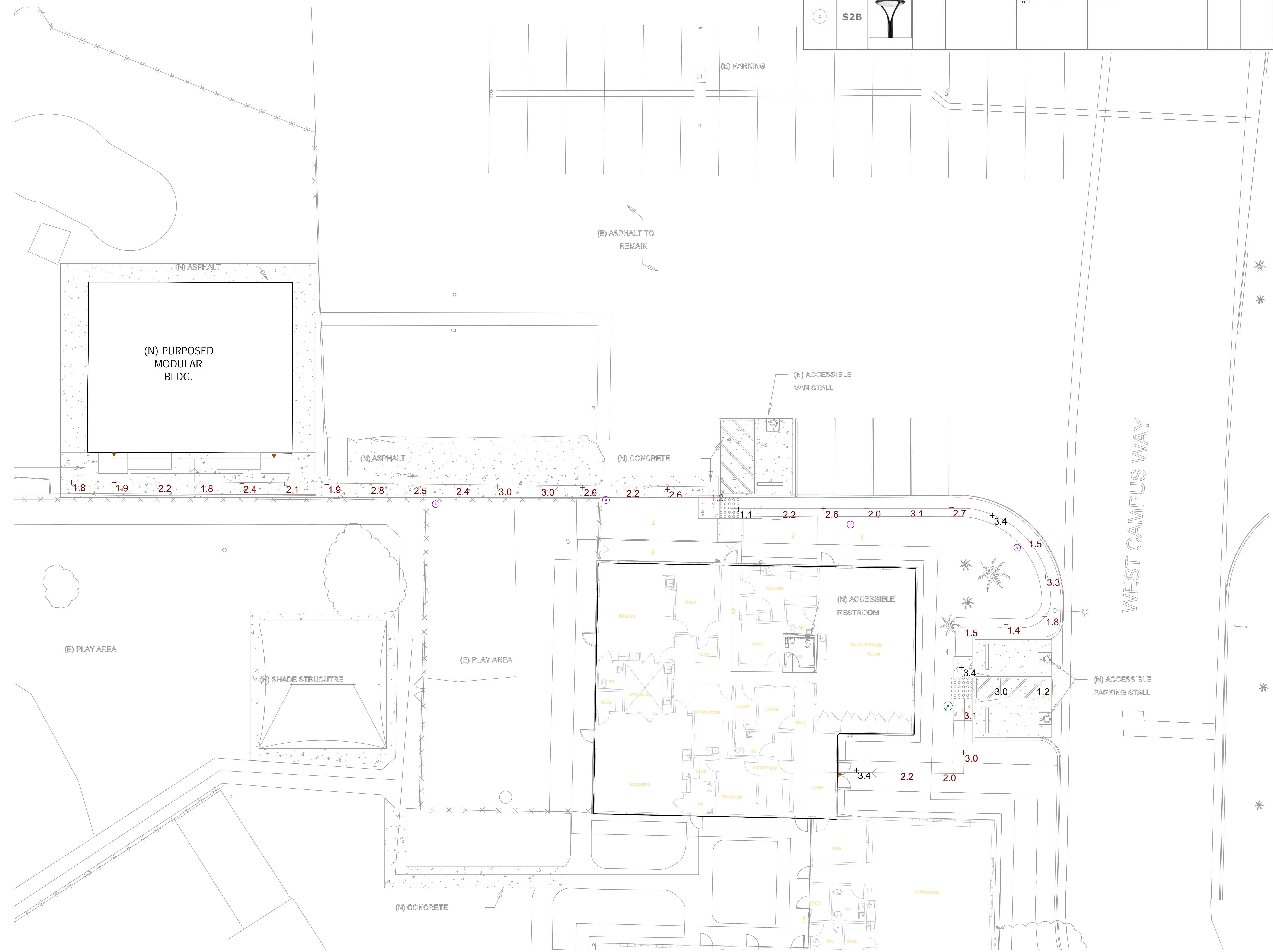
E130

DATE: 11/29/2022 SHEET: OF

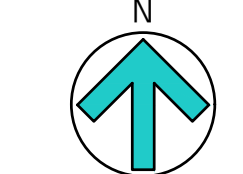
DATE: 24 January 2023 TIME: 4:47 pm
 DATE: 24 January 2023 TIME: 4:47 pm
 DATE: 24 January 2023 TIME: 4:47 pm
 DATE: 24 January 2023 TIME: 4:47 pm
 DATE: 24 January 2023 TIME: 4:47 pm
 DATE: 24 January 2023 TIME: 4:47 pm
 DATE: 24 January 2023 TIME: 4:47 pm
 DATE: 24 January 2023 TIME: 4:47 pm
 DATE: 24 January 2023 TIME: 4:47 pm
 DATE: 24 January 2023 TIME: 4:47 pm

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
HANDICAP RAMP	+	2.1 fc	3.0 fc	1.2 fc	2.5:1	1.8:1
EGRESS PATHWAY	+	2.4 fc	3.4 fc	1.1 fc	3.1:1	2.2:1

Schedule												
Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power	Polar Plot	
S1			3	Lithonia Lighting	WDGE2 LED P2 40K 80CRI T3M	WDGE2 LED WITH P2 - PERFORMANCE PACKAGE, 4000K, 80CRI, TYPE 3 MEDIUM OPTIC	1	2062	0.92	18.9815		
S2A			1	Lithonia Lighting	RADPT P2 40K SYM/RSS POLE 8FT TALL	RADEAN Post-Top with P2 4000K Symmetric distribution	1	5050	0.92	38.0107		
S2B			4	Lithonia Lighting	RADPT P2 40K PATH/RSS POLE 8FT TALL	RADEAN Post-Top with P2 4000K Pathway distribution	1	4009	0.92	38.01		



SITE LIGHTING PHOTOMETRIC PLAN
 SCALE: 1"=10'-0"
 1
 E131



DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 OXNARD VENTURA
 CAMARILLO

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 781 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
 4667 TELEGRAPH RD.
 VENTURA, CA 93003

COMMISSIONED ARCHITECT

AMADÒR

26328 AGOURA RD. 203 | AGOURA HILLS CA, 91301 | 805-958-4334

CONSULTANT

LUCCI & ASSOCIATES INC.
 CONSULTING ELECTRICAL ENGINEERS
 3251 CORTE MALPASO, #511
 CAMARILLO, CA 93012-8094
 (805) 389-6520 FAX (805) 389-6519

STAMPS/SEALS

DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

SITE LIGHTING PHOTOMETRIC PLAN


PROJECT NO: 22-VCCCD-16	PROJECT ARCH: JA
DRAWN: D.S./L.K.	CHECKED: K.L.
SHEET NUMBER:	
E131	
DATE: 11/29/2022	SHEET: OF

DATE: 24 January 2023
 TIME: 4:47 PM
 DRAWING FILENAME: G:\22\554\EL\Sheets\22-554-EL132.dwg
 DRAWING FILENAME: 22-554-EL132
 DRAFTER: CM01
 SAVE DATE: 1/19/2023 9:49:52 AM
 PLOT BY: Use Keiner
 PLOT DATE: 1/24/2023 4:47:41 PM

Mounting, Options & Accessories


Motion/Ambient Sensor

D = 7"
 H = 9" (Standalone controls)
 11" (nLight AIR controls, 2" antenna will be pointing down behind the sensor)
 W = 11.5"




PBBW - Surface-Mounted Back Box
Use when there is no junction box available.

D = 1.75"
 H = 9"
 W = 11.5"



AWS - 3/8inch Architectural Wall Spacer

D = 0.38"
 H = 4.4"
 W = 7.5"



FEATURES & SPECIFICATIONS

INTENDED USE
 Common architectural look, with clean, minimalist design, of the WEDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION
 The single piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The diver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH
 Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS
 Individually formed acrylic lenses are engineered for superior application efficiency which maximize the light in the areas where it is most needed. The WEDGE LED has zero spillage and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
 Light engine consists of high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L70/L90/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built-in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10V dimmable driver.


INSTALLATION
 A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for direct lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS
 CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/CPL to confirm which versions are qualified. International Dark-Sky Association (IDA) Future Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.


BUY AMERICAN
 Product with the BAA option is assembled in the USA and meets the Buy American® (government procurement requirements under FAR, DFARS and DOT. Please refer to www.buyusa.gov for additional information.

WARRANTY
 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/faq/terms-and-conditions.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



COMMERCIAL OUTDOOR
 One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (3787) • www.lithonia.com
 © 2019-2022 Acuity Brands Lighting, Inc. All rights reserved.



COMMERCIAL OUTDOOR
 One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (3787) • www.lithonia.com
 © 2019-2022 Acuity Brands Lighting, Inc. All rights reserved.

Electrical Load

Performance Package	System Watts	Current (A)					
		00% ⁽¹⁾	20% ⁽²⁾	50% ⁽²⁾	77% ⁽²⁾	100% ⁽²⁾	ASD ⁽³⁾
P0	7.0	0.061	0.042	0.04	0.039	—	—
	9.0	—	—	—	—	0.031	0.021
P1	11.0	0.100	0.064	0.059	0.054	—	—
	14.1	—	—	—	—	0.046	0.031
P2	19.0	0.168	0.106	0.095	0.083	—	—
	22.8	—	—	—	—	0.067	0.050
P3	32.0	0.284	0.163	0.144	0.131	—	—
	37.1	—	—	—	—	0.107	0.079
P4	47.0	0.412	0.234	0.207	0.185	—	—
	53.5	—	—	—	—	0.153	0.112

Lumen Output in Emergency Mode (4000K, 80 CRI, T3M)

Option	Lumens
E10WH	1,358
E20WC	2,230

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (based per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate Lf, use the Lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.


Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.87

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WEDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

LEGEND

- 0.25 fc
- 0.5 fc
- 1.0 fc
- 3.0 fc



MH = 10R
 Grid = 10R x 10R


P3 40K 80CRI T15 *P3 40K 80CRI T2M* *P3 40K 80CRI T3M* *P3 40K 80CRI T4M* *P3 40K 80CRI TFTM*

Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically engage the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9



COMMERCIAL OUTDOOR
 One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (3787) • www.lithonia.com
 © 2019-2022 Acuity Brands Lighting, Inc. All rights reserved.



COMMERCIAL OUTDOOR
 One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (3787) • www.lithonia.com
 © 2019-2022 Acuity Brands Lighting, Inc. All rights reserved.

Control / Sensor Options

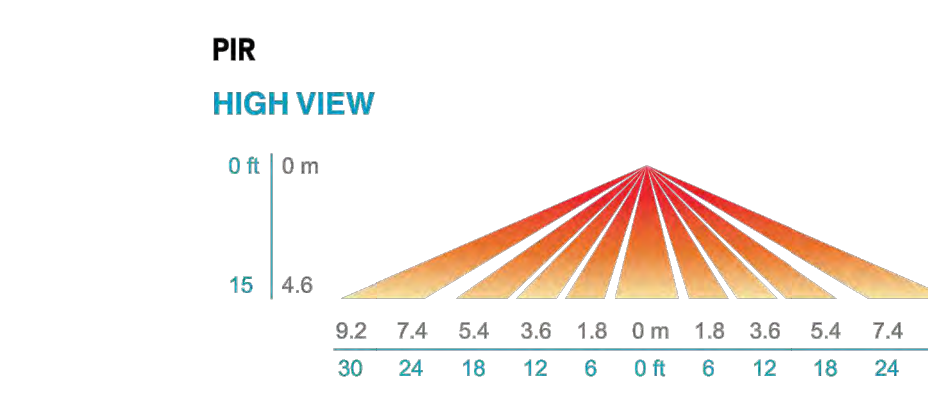
Motion/Ambient Sensor (PIR, PIRH, PIRH, PIRH)

Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photo-cell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting heights.

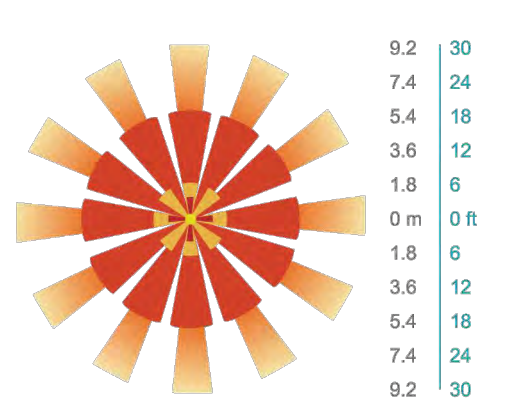
Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

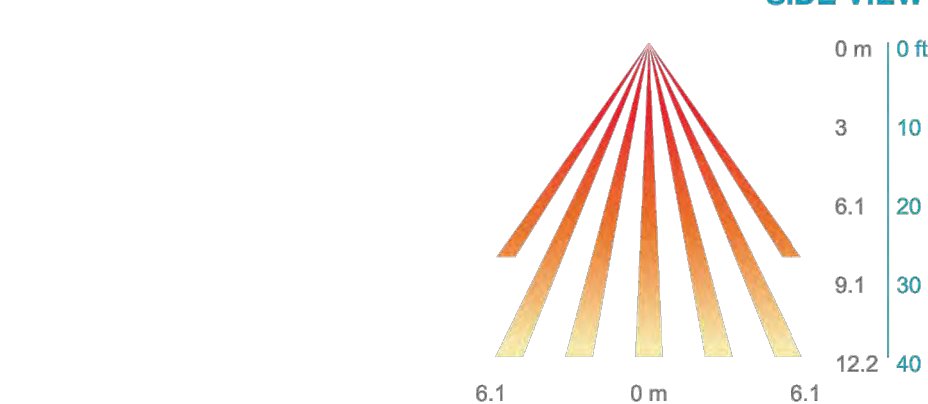
PIR HIGH VIEW



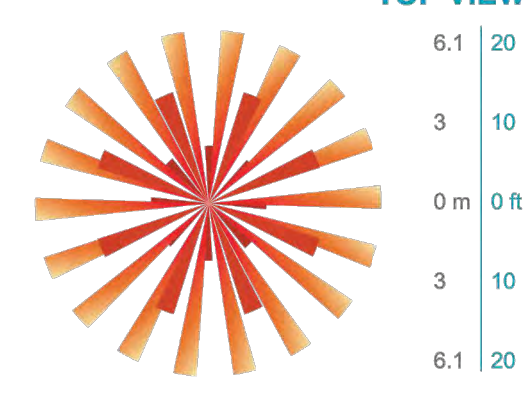
PIRH




PIRH SIDE VIEW




PIRH TOP VIEW



Option	Dim Level	High-Level valve/Triggered	Photo-cell Operation	Motion Time Delay	Run-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photo-cell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photo-cell - 45 sec
PIRH3V, PIRH3V	Motion - 3V (37% of full output) Photo-cell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photo-cell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photo-cell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photo-cell - 45 sec



COMMERCIAL OUTDOOR
 One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (3787) • www.lithonia.com
 © 2019-2022 Acuity Brands Lighting, Inc. All rights reserved.



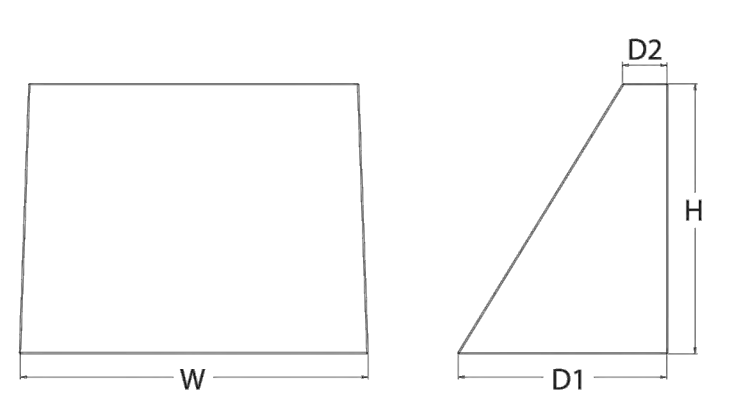
COMMERCIAL OUTDOOR
 One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (3787) • www.lithonia.com
 © 2019-2022 Acuity Brands Lighting, Inc. All rights reserved.

WEDGE LED

Architectural Wall Sconce Precision Refractive Optic

Specifications

Depth (D1): 7"
Depth (D2): 1.5"
Height: 9"
Width: 11.5"
Weight: 13.5 lbs
 (without options)



WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, 20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W			750	1,200	2,000	—	—	—	—
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	—	1,200	2,000	3,000	4,500	6,000	—
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	—	—
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	—	7,500	8,500	10,000	12,000	—	—
WDGE4 LED	Precision Refractive			Standalone / nLight	—	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information **EXAMPLE: WDGE2 LED P3 40K 80CRI VIF MVLT SRM DDBXD**

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting	Shipped separately	
WDGE2 LED	P0 ¹	27K / 2700K	70CR ²	T15 / Type I Short	MVLT ³	SRM ⁴	Shipped including bracket	Shipped separately
	P1 ²	30K / 3000K	80CR ²	T2M / Type II Medium	347 ³	ICW ⁵	Indirect Canopy/Ceiling Washer bracket (dry/damp locations only)	PBBW ⁶ Surface-mounted back box (top, left, right, and front). Use when there is no junction box available.
	P2 ²	40K / 4000K	LP ⁷ Limited Wavelength	T3M / Type III Medium	480 ³			
	P3 ²	50K / 5000K		T4M / Type IV Medium				
	P4 ²	AMB ⁸ Amber		TFTM / Forward Throw Medium				

Options

Options	Finish
E10WH Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)	DDBXD Dark bronze
E20WC Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, -20°C min)	DLBUD Black
PE ² Photo-cell, Button type	DNDAD Natural aluminum
DMG ⁴ 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	DNDWD White
BCE Bottom conduit entry for back box (PBBW), Total of 4 entry points.	DSSDD Sandstone
BAA Buy American/ Act Compliant	DBBTD Textured dark bronze
	DLBTD Textured black
	DNDTD Textured natural aluminum
	DSWTD Textured white
	DSSTD Textured sandstone

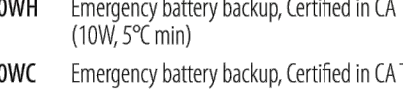


COMMERCIAL OUTDOOR
 One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (3787) • www.lithonia.com
 © 2019-2022 Acuity Brands Lighting, Inc. All rights reserved.




COMMERCIAL OUTDOOR
 One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (3787) • www.lithonia.com
 © 2019-2022 Acuity Brands Lighting, Inc. All rights reserved.

P3 40K 80CRI T15 *P3 40K 80CRI T2M* *P3 40K 80CRI T3M* *P3 40K 80CRI T4M* *P3 40K 80CRI TFTM*



COMMERCIAL OUTDOOR
 One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (3787) • www.lithonia.com
 © 2019-2022 Acuity Brands Lighting, Inc. All rights reserved.



COMMERCIAL OUTDOOR
 One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (3787) • www.lithonia.com
 © 2019-2022 Acuity Brands Lighting, Inc. All rights reserved.

Accessories

Ordered and shipped separately

WDGEAWS DDBXD WDGE 3/8inch Architectural Wall Spacer (specify finish)
 WDGE2PBBW DDBXD WDGE2 surface-mounted back box (specify finish)

NOTES

- P0 option not available with sensors/controls.
- P1-P4 not available with AMB and UV.
- AMB and UV always go together.
- 700CR only available with T3M and T4M.
- 347V and 480V not available with E10WH or E20WC.
- PE not available in 480V or with sensors/controls.
- Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
- DMG option not available with sensors/controls.

Performance Data

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)									30K (3000K, 80 CRI)									40K (4000K, 80 CRI)									50K (5000K, 80 CRI)									Number Lumens (Wavelength)						
			Lumens			LPW			E			S			Lumens			LPW			E			S			Lumens			LPW			E			S									
			L	B	U	B	U	S	B	U	S	B	U	S	L	B	U	B	U	S	L	B	U	B	U	S	L	B	U	B	U	S	B	U	S	B	U	S							
P0	7W	T15	436	92	0	0	0	666	97	0	0	0	699	101	0	0	1	491	150	0	0	1	712	47	0	0	1	712	47	0	0	1	712	47	0	0	1	712	47	0	0	1			
			T2M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0	741	48	0	0	0	741	48	0	0	0	741	48	0	0	0		
			T3M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0	741	48	0	0	0	741	48	0	0	0	741	48	0	0	0		
			T4M	648	94	0	0	0	679	96	0	0	0	712	105	0	0	0	704	103	0	0	0	726	47	0	0	0	726	47	0	0	0	726	47	0	0	0	726	47	0	0	0		
P1	11W	T15	652	95	0	0	0	683	99	0	0	0	717	104	0	0	1	504	163	0	0	1	730	48	0	0	1	730	48	0	0	1	730	48	0	0	1	730	48	0	0	1			
			T2M	1,150	103	0	0	1	1,204	108	0	0	1	1,264	113	0	0	1	1,249	112	0	0	1	1,249	112	0	0	1	1,249	112	0	0	1	1,249	112	0	0	1							
			T3M	1,150	103	0	0	1	1,204	108	0	0	1	1,264	113	0	0	1	1,249	112	0	0	1	1,249	112	0	0	1	1,249	112	0	0	1	1,249	112	0	0	1							
			T4M	1,126	101	0	0	1	1,179	106	0	0	1	1,238	111	0	0	1	1,223	110	0	0	1	1,223	110	0	0	1	1,223	110	0	0	1	1,223	110	0	0	1							
P2	19W	T15	1,801	95	1																																								

DATE: 24 January 2023
 TIME: 4:47 pm
 PLOT DATE: 1/24/2023 4:47:49 PM

PATHNAME: G:\23\454\KEL\Sheets
 PLOT BY: Lee Keimer

DRAWING FILENAME: 22-554 E133
 SAVE DATE: 1/19/2023 9:49:29 AM

DRIVER: CM01

DRAWING: G:\23\454\KEL\Sheets\22-554 E133.dwg

DATE: 11/29/2022
 TIME: 11:29 AM
 PLOT DATE: 11/29/2022 11:29:00 AM

Performance Data

Lumen Output
 Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Contact factory for performance data on any configurations not shown here.

Performance Package	Input Voltage	Distribution	2700K			3000K			3500K			4000K			5000K												
			Lumens	U	G	LPM	Lumens	U	G	LPM	Lumens	U	G	LPM	Lumens	U	G	LPM									
P1	25	ASY	2,924	2	1	2	115	3,022	2	2	2	119	3,095	2	2	2	122	3,168	2	2	2	125	3,168	2	2	2	125
		PATH	2,520	2	1	2	100	2,613	2	2	2	103	2,676	2	2	2	105	2,739	2	2	2	108	2,739	2	2	2	108
		SYM	3,086	2	1	1	121	3,189	2	1	1	126	3,266	2	1	1	129	3,344	2	1	1	132	3,344	2	1	1	132
P2	38	ASY	4,521	3	2	3	119	4,672	3	2	3	123	4,785	3	2	3	126	4,898	3	2	3	129	4,898	3	2	3	129
		PATH	3,909	2	2	2	103	4,040	2	2	2	106	4,137	2	2	2	109	4,235	3	2	3	111	4,235	3	2	3	111
		SYM	4,772	2	2	1	126	4,931	3	2	1	130	5,050	3	2	1	133	5,169	3	2	1	136	5,169	3	2	1	136
P3	54	ASY	6,387	3	2	3	119	6,608	3	2	3	123	6,760	3	2	3	126	6,919	3	2	3	129	6,919	3	2	3	129
		PATH	5,523	3	2	3	103	5,707	3	2	3	106	5,845	3	2	3	109	5,983	3	2	3	112	5,983	3	2	3	112
		SYM	6,741	3	2	2	126	6,966	3	2	2	130	7,135	3	2	2	133	7,303	3	2	2	136	7,303	3	2	2	136
P4	86	ASY	10,150	4	2	4	118	10,489	4	2	4	122	10,742	4	2	4	125	10,996	4	2	4	128	10,996	4	2	4	128
		PATH	8,777	3	2	3	102	9,070	3	2	3	106	9,289	3	2	3	108	9,509	3	2	3	111	9,509	3	2	3	111
		SYM	10,713	3	2	2	125	11,071	3	2	2	129	11,338	3	2	2	132	11,606	3	2	2	135	11,606	3	2	2	135
P5	123	ASY	14,250	4	2	4	116	14,724	4	2	4	120	15,081	4	2	4	123	15,437	4	2	4	126	15,437	4	2	4	126
		PATH	12,322	4	2	4	101	12,733	4	2	4	104	13,041	4	2	4	106	13,349	4	2	4	109	13,349	4	2	4	109
		SYM	15,040	4	2	3	123	15,541	4	2	3	127	15,917	4	2	3	130	16,293	4	2	3	133	16,293	4	2	3	133

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for a 27°C ambient based on 10,000 hours of testing (based per IESNA LM-80-08 and projected per IESNA TM-21-11).

Ambient Temp	LAT Factor
0°C	1.06
5°C	1.05
10°C	1.04
15°C	1.02
20°C	1.01
25°C	1.00
30°C	0.99
35°C	0.98
40°C	0.96

Projected LED Lumen Maintenance

DATA references the extrapolated performance projections for the RADPT LED platform at a 27°C ambient based on 10,000 hours of LED testing (based per IESNA LM-80-08 and projected per IESNA TM-21-11).

Performance Package	Projected LED Lumen Maintenance			
	0	25,000	50,000	100,000
P1	1.00	0.96	0.91	0.82
P2	1.00	0.96	0.91	0.82
P3	1.00	0.96	0.91	0.82
P4	1.00	0.96	0.91	0.82
P5	1.00	0.95	0.89	0.78

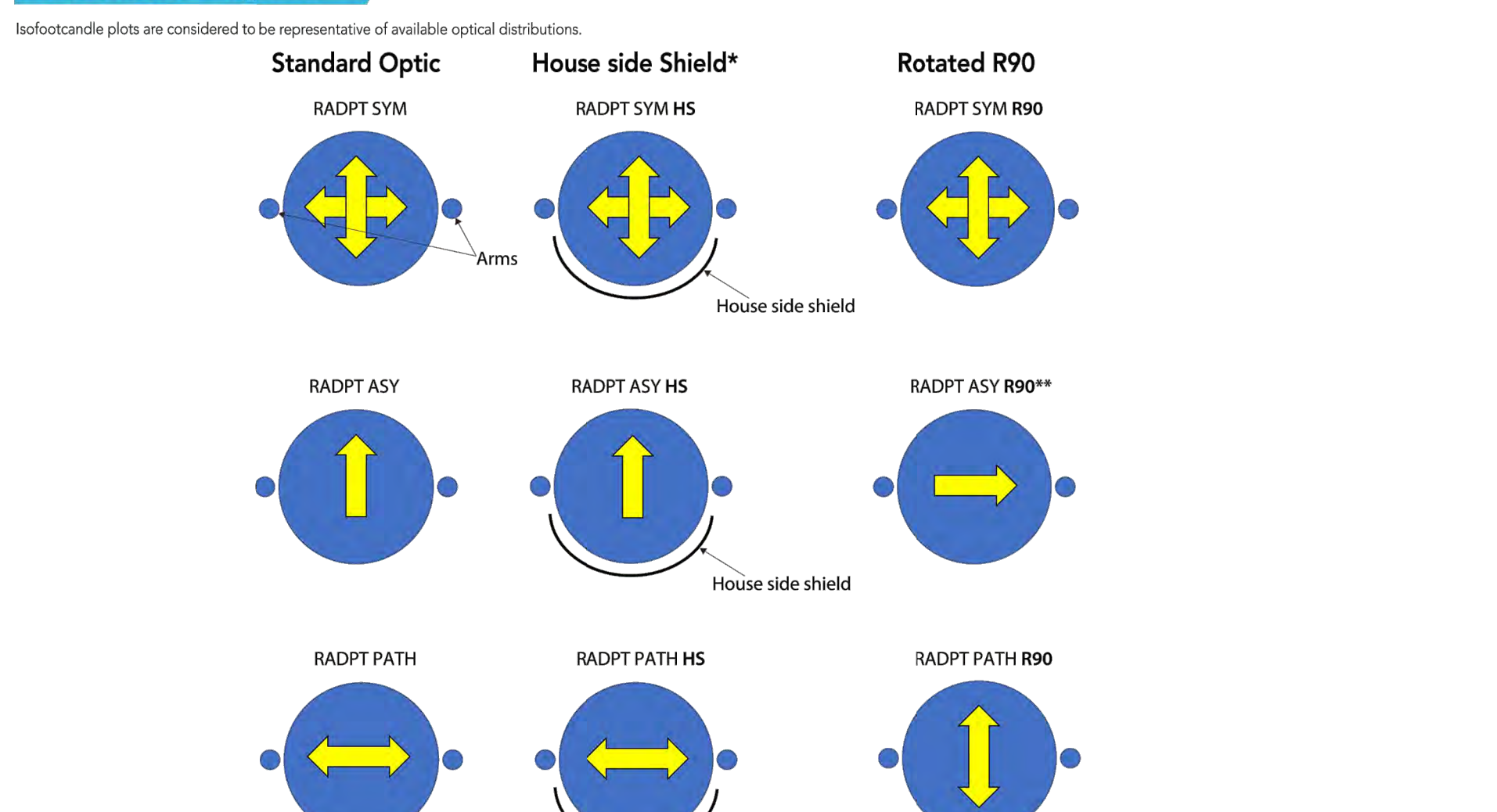
Electrical Load

Lumen Package	LED Drive Current	Voltage	Wattage	Current (A)						
				120	208	240	347	480		
P1	500	42.8	21.4	Input Current	0.22	0.13	0.11	0.1	0.08	0.06
				System Watts	26	26	26	27	25	24
P2	770	41	33.1	Input Current	0.33	0.19	0.16	0.14	0.11	0.08
				System Watts	39	39	39	39	38	38
P3	1100	43.2	47.5	Input Current	0.46	0.26	0.23	0.2	0.16	0.12
				System Watts	55	54	54	54	54	54
P4	900	87.3	76.6	Input Current	0.73	0.42	0.36	0.32	0.25	0.18
				System Watts	87	86	86	86	86	86
P5	1230	88.2	110.2	Input Current	1	0.58	0.5	0.44	0.35	0.25
				System Watts	120	119	119	119	120	120

LITHONIA LIGHTING. COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com RADPT LED Rev. 04/19/22

Orientation Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RADPT LED homepage.



FEATURES & SPECIFICATIONS

INTENDED USE
 Pedestrian areas such as parks, campuses, pathways, courtyards and pedestrian malls.

CONSTRUCTION
 Single-piece die-cast aluminum housing with nominal wall thickness of 0.125" on a 6mm thick acrylic waveguide is fully gasketed with a single piece tubular silicone gasket.

FINISH
 Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3-mil thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum and white. Available in textured and non-textured finishes.

OPTICS
 6MM thick acrylic waveguide with 30° flexible LED board. Available in 2700K, 3000K, 3500K, 4000K and 5000K (ICR10/CCT) configurations.

ELECTRICAL
 Light engine consists of 96 high-efficiency LEDs mounted to a flexible circuit board and aluminum heat sink, ensuring optimal thermal management and long life. Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Easily-removable 15W surge protection device meets a minimum Category C Low for operation per ANSI/IEEE C62.41.2.

INSTALLATION
 Standard post-top mounting configuration fits into a 4" OD open pole top (round pole only). Alternate tenon (2-3/8" or 2-7/8") mounting also available.

LISTINGS
 CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. Rated for -40°C minimum ambient.

DesignLight Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlightconsortium.com to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color or less. U.S. Patent No. D925,085

BUY AMERICAN
 This product is assembled in the USA and meets the Buy American(s) government procurement requirements under FARs, DFARS and DOT. Please refer to www.acuitybrands.com/resources/customer-education for additional information.

WARRANTY
 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/customer-education/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

LITHONIA LIGHTING. COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com RADPT LED Rev. 04/19/22

Radean Post Top LED Area Luminaire

Category Number: _____
 Notes: _____
 Type: **S2A**

For the full web or mobile view of the page to see all interactive elements.

Specifications

EPA: 1.02 ft² (0.105 m²)
 Length: 24" (61 cm)
 Width: 24" (61 cm)
 H1 Luminaire Height: 4" (10.16 cm)
 H2 Luminaire Height: 26" (66.04 cm)
 Weight: 38lbs (17.24 kg)

Ordering Information

EXAMPLE: RADPT LED P3 30K SYM MVOLT PT4 PIR DNAXD

Series	Performance package	Color temperature	Distribution	Voltage	Mounting required
RADPT LED	P1 3,000 Lumens P2 5,000 Lumens P3 7,000 Lumens P4 10,000 Lumens P5 15,000 Lumens	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	SYM Symmetric type I ASY Asymmetric type IV PATH Pathway type III	MVOLT1 277V 120V 347 208V 480 240V	PT4 Slips inside a 4" OD round metal pole RADPT20 Slips over a 2 7/8" diameter tenon RADPT25 Slips over a 2 7/8" diameter tenon
Control options	Other options	Finish required			
Shipped installed NLTAR2 rLight AR 2.0 enabled † PIR Bi-level motion/sensor (100% to 30%) ^{10,11} PE Button photocell † FAO Field adjustable output †	SF Single Face † DF Double Face † R90 Rotated optics †	Shipped installed HS House-side shield † D80XD Dark bronze D8LXD Black DNAXD Natural aluminum D8WXD White	D80TYD Textured dark bronze D8LXD Textured black DNAXD Textured natural aluminum D8WXD Textured white		

Ordering Information

Accessories

Ordered and shipped separately.

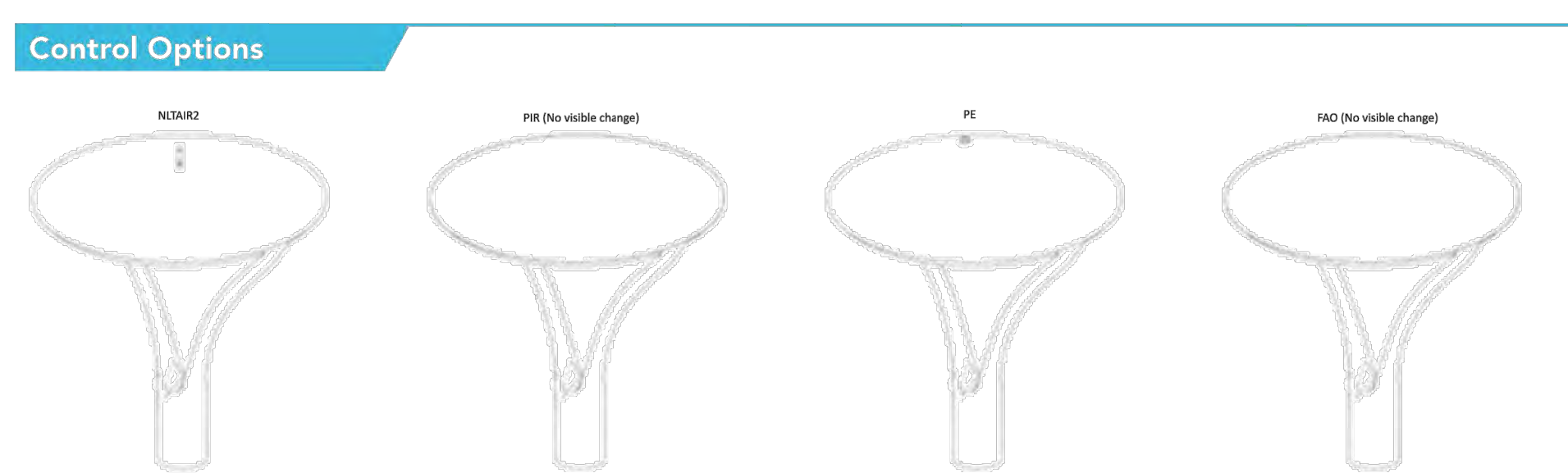
RADPT	House side shield (black or white)
RADPT0800U	Overseer-enabled backlit PIR gate (specify finish)
RADPT0800U	Full cover for PIR gate (specify finish)

[†] For more options contact your local sales representative.

Mounting

Acuity Part Number	Description	For luminaires	Used with Mounting
RSS 10 48 PT D80XD	10" Round Straight Steel - 4" O.D. - Open Top	RADPT LED	PT4
RSS 12 48 PT D80XD	12" Round Straight Steel - 4" O.D. - Open Top	RADPT LED	PT4
RSS 14 48 PT D80XD	14" Round Straight Steel - 4" O.D. - Open Top	RADPT LED	PT4
RSS 16 48 PT D80XD	16" Round Straight Steel - 4" O.D. - Open Top	RADPT LED	PT4
RSS 18 48 PT D80XD	18" Round Straight Steel - 4" O.D. - Open Top	RADPT LED	PT4
RSS 20 48 PT D80XD	20" Round Straight Steel - 4" O.D. - Open Top	RADPT LED	PT4
RSS 25 48 PT D80XD	25" Round Straight Steel - 4" O.D. - Open Top	RADPT LED	PT4
RSS 10 48 T20 D80XD	10" Round Straight Steel - 4" O.D. - Tenon Top	RADPT LED	RADPT20
RSS 12 48 T20 D80XD	12" Round Straight Steel - 4" O.D. - Tenon Top	RADPT LED	RADPT20
RSS 14 48 T20 D80XD	14" Round Straight Steel - 4" O.D. - Tenon Top	RADPT LED	RADPT20
RSS 16 48 T20 D80XD	16" Round Straight Steel - 4" O.D. - Tenon Top	RADPT LED	RADPT20
RSS 18 48 T20 D80XD	18" Round Straight Steel - 4" O.D. - Tenon Top	RADPT LED	RADPT20
RSS 20 48 T20 D80XD	20" Round Straight Steel - 4" O.D. - Tenon Top	RADPT LED	RADPT20
RSS 25 48 T20 D80XD	25" Round Straight Steel - 4" O.D. - Tenon Top	RADPT LED	RADPT20

* Customer must verify pole loading per required design criteria and specified wind speed. Consult pole specification sheet for additional details.



LITHONIA LIGHTING. COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com RADPT LED Rev. 04/19/22

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR: _____
 DATE: 04/19/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 761 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
 VENTURA, CA 93003

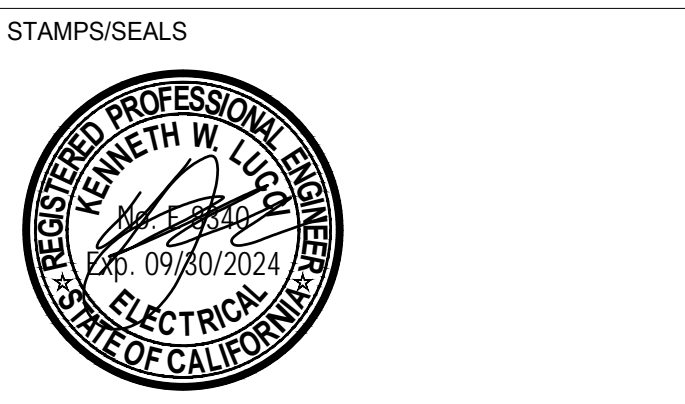
COMMISSIONED ARCHITECT

AMADÒR

28328 AGOURA RD., 203 | AGOURA HILLS CA, 91301 | 805-658-4234

CONSULTANT

LUCCI & ASSOCIATES INC.
 CONSULTING ELECTRICAL ENGINEERS
 3251 CORTE MALPASO, #511
 CAMARILLO, CA 93012-8094
 (805) 389-6520 FAX (805) 389-6519



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

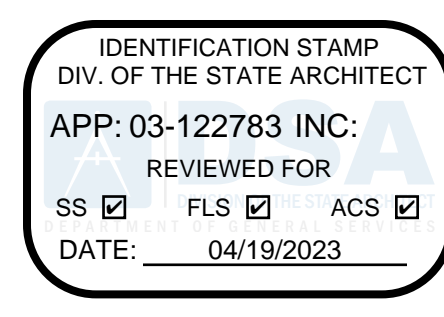
SHEET TITLE:

S2A FIXTURE MANUFACTURE SHEETS

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
 DRAWN: D.S./L.K. CHECKED: K.L.
 SHEET NUMBER: _____

E133

DATE: 11/29/2022 SHEET: _____ OF _____



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CARMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD. VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADOR

28328 AGOURA RD., 203 | AGOURA HILLS CA, 91301 | 805-568-4234

CONSULTANT: LUCCI & ASSOCIATES INC. CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CARMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

S2B FIXTURE MANUFACTURE SHEETS

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
DRAWN: D.S./L.K. CHECKED: K.L.

E134

DATE: 11/29/2022 SHEET: OF



Radean Post Top LED Area Luminaire



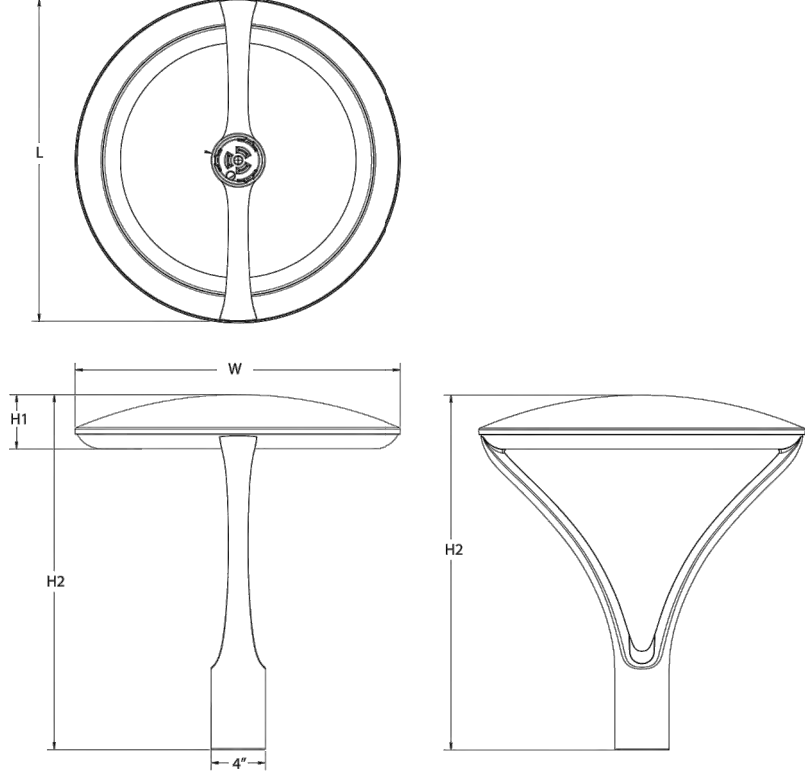
Form with fields for Catalog Number, Notes, Type (S2B), and a URL to view interactive elements.

Introduction

The architecturally-inspired shape of the RADEAN™ post top area luminaire embodies the grace and strength of the RADEAN family. The twin copper-core cast aluminum arms support the slender superstructure, creating a beautiful sculpture by day transforming into a beacon of comfort by night.

Specifications

- EPA: 1.02 ft² (0.105 m²)
Length: 24" (61 cm)
Width: 24" (61 cm)
H1 Luminaire Height: 4" (10.16 cm)
H2 Luminaire Height: 26" (66.04 cm)
Weight: 38lbs (17.24 kg)



Ordering Information

EXAMPLE: RADPT LED P3 30K SYM MVOLT PT4 PIR DNAXD

Table with columns for Series, Performance package, Color temperature, Distribution, Voltage, Mounting required, Control options, Other options, and Finish required.

Performance Data

Lumen Output

Table showing Lumen Output for packages P1 through P5 across various configurations (ASY, PATH, SYM) and temperatures (2700K, 3000K, 3500K, 4000K, 5000K).

Lumen Ambient Temperature (LAT) Multipliers

Table showing Lumen Ambient Temperature (LAT) Multipliers for temperatures from 0°C to 40°C.

Projected LED Lumen Maintenance

Table showing Projected LED Lumen Maintenance for packages P1 through P5 at 25,000, 50,000, and 100,000 hours.

Electrical Load

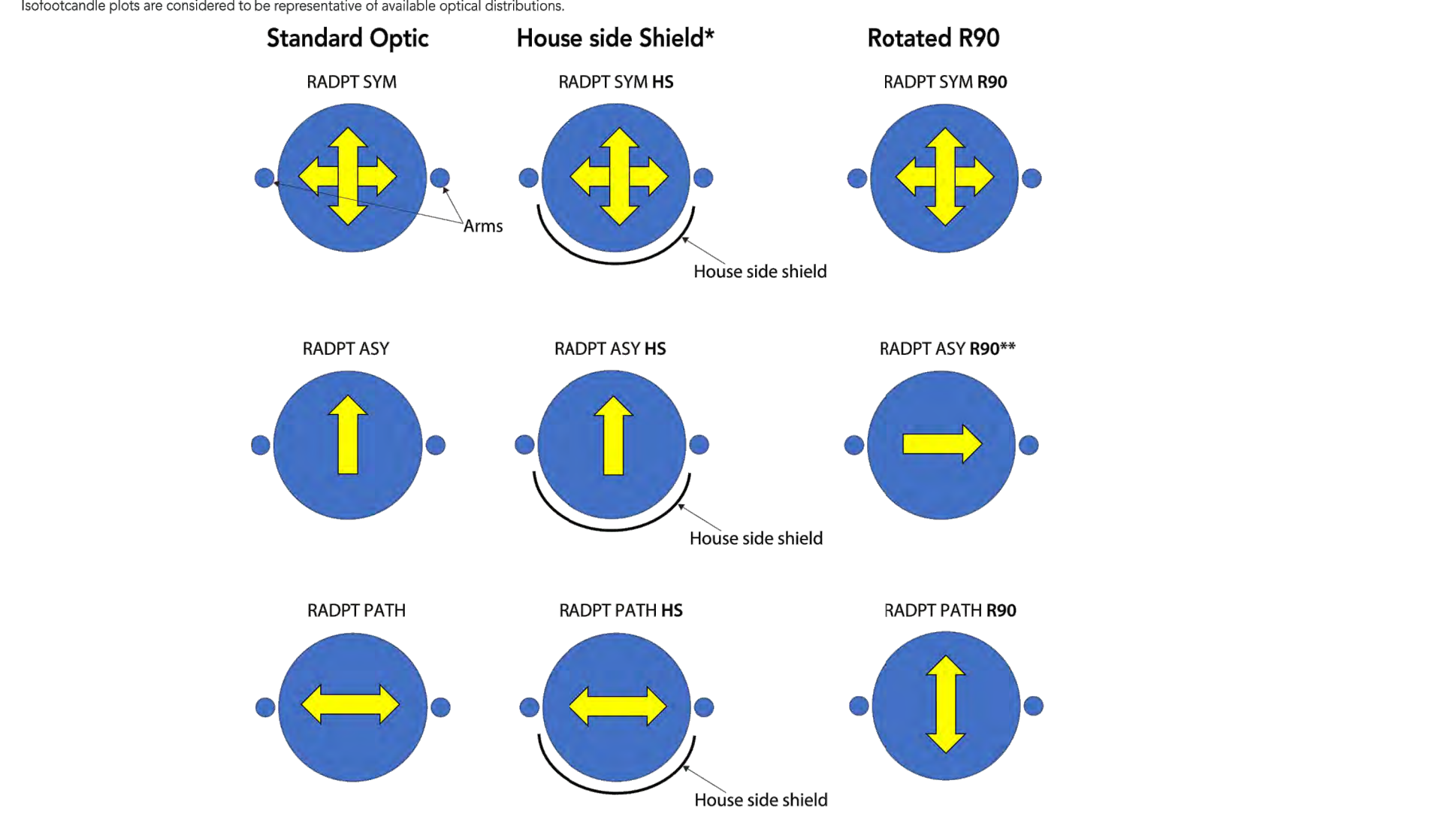
Table showing Electrical Load for packages P1 through P5, including LED Drive Current, Voltage, Wattage, and Current (A) at 120V, 208V, 240V, 347V, and 480V.

LITHONIA LIGHTING COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com RADPT LED Rev. 04/19/22

LITHONIA LIGHTING COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com RADPT LED Rev. 04/19/22

Orientation Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RADPT LED homepage.



*HS not available with R90
**For L90, use R90 and rotate luminaire 180° on pole

FEATURES & SPECIFICATIONS

INTENDED USE: Pedestrian areas such as parks, campuses, pathways, courtyards and pedestrian malls.
CONSTRUCTION: Single-piece die-cast aluminum housing with nominal wall thickness of 0.125" on a 6mm thick acrylic waveguide.
FINISH: Exterior parts are protected by a zinc-inflated Super Durable TGIC thermoset powder coat finish.
OPTICS: 6MM thick acrylic waveguide with 30° flexible LED board. Available in 2700K, 3000K, 3500K, 4000K and 5000K (BCD/BC) CCT configurations.
ELECTRICAL: Light engine consists of 96 high efficacy LEDs mounted to a flexible circuit board and aluminum heat sink.

LISTINGS: CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated.
BUY AMERICAN: This product is assembled in the USA and meets the Buy American's government procurement requirements.
WARRANTY: 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind.

LITHONIA LIGHTING COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com RADPT LED Rev. 04/19/22

Ordering Information

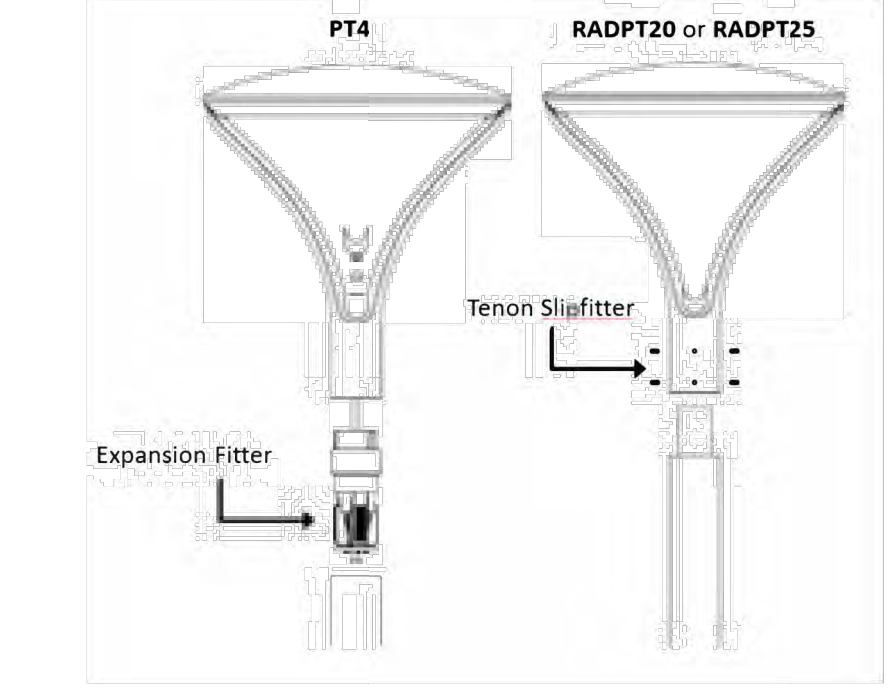
Accessories

- RA90: House side shield (black & white)
RA100: Rotated shield (black & white)
RA100: Rotated shield (black & white)
RA100: Rotated shield (black & white)

NOTES

- 1 2700K and 3500K may require extended lead-times.
2 MVOLT driver operates on any line voltage from 120V-277V (50/60 Hz). Single Line (SL) requires 120, 277 or 347 voltage option. Double Line (DL) requires 208, 240 or 480 voltage option.
3 Required nominal 4" round straight metal pole.
4 N2AR2 not available with PIR, FE or FAO. Must link to external HiLight Air network.
5 PIR will work with FAO, if adjustable toward trim is required.
6 PIR must specify 120V, 277V, 347V or 480V. Not available in MVOLT, 208V or 240V.
7 FE and PIR are available together.
8 PIR for use only on luminaires mounted under 15'.
9 Field adjustable high-end trim.
10 For left rotation, select R90 and rotate luminaire 180° on pole.
11 Also available as a separate accessory; see Accessories information at left. HS not available with R90. Shield is field rotatable in 180° increments.

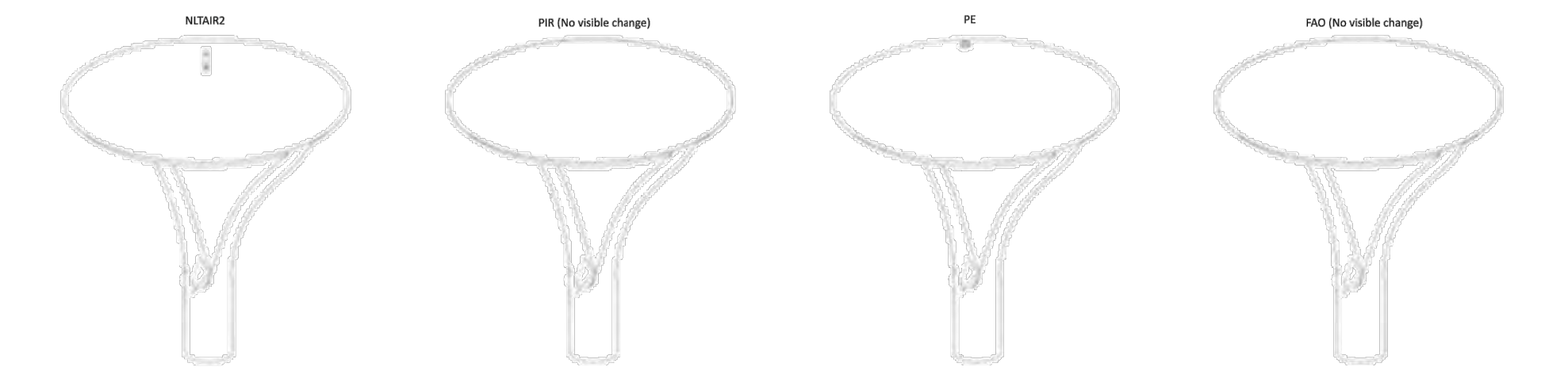
Mounting



Recommended Poles for use with RADEAN RADPT LED Luminaires

Table with columns for Acuity Part Number, Description, For luminaires, and Used with Mounting.

Control Options



LITHONIA LIGHTING COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com RADPT LED Rev. 04/19/22

TIME: 4:47 pm
DATE: 24 January 2023
PLOT DATE: 1/24/2023 4:47:56 PM

PATHNAME: G:\22\US4\NEL\Sheets
PLOT BY: Lee Keener

SAVE DATE: 1/19/2023 9:49:22 AM

DRAWING FILENAME: 22-554 E134
DRAWING: CM01

DRAWING: G:\22\US4\NEL\Sheets\22-554 E134.dwg

DATE: 11/29/2022 SHEET: OF

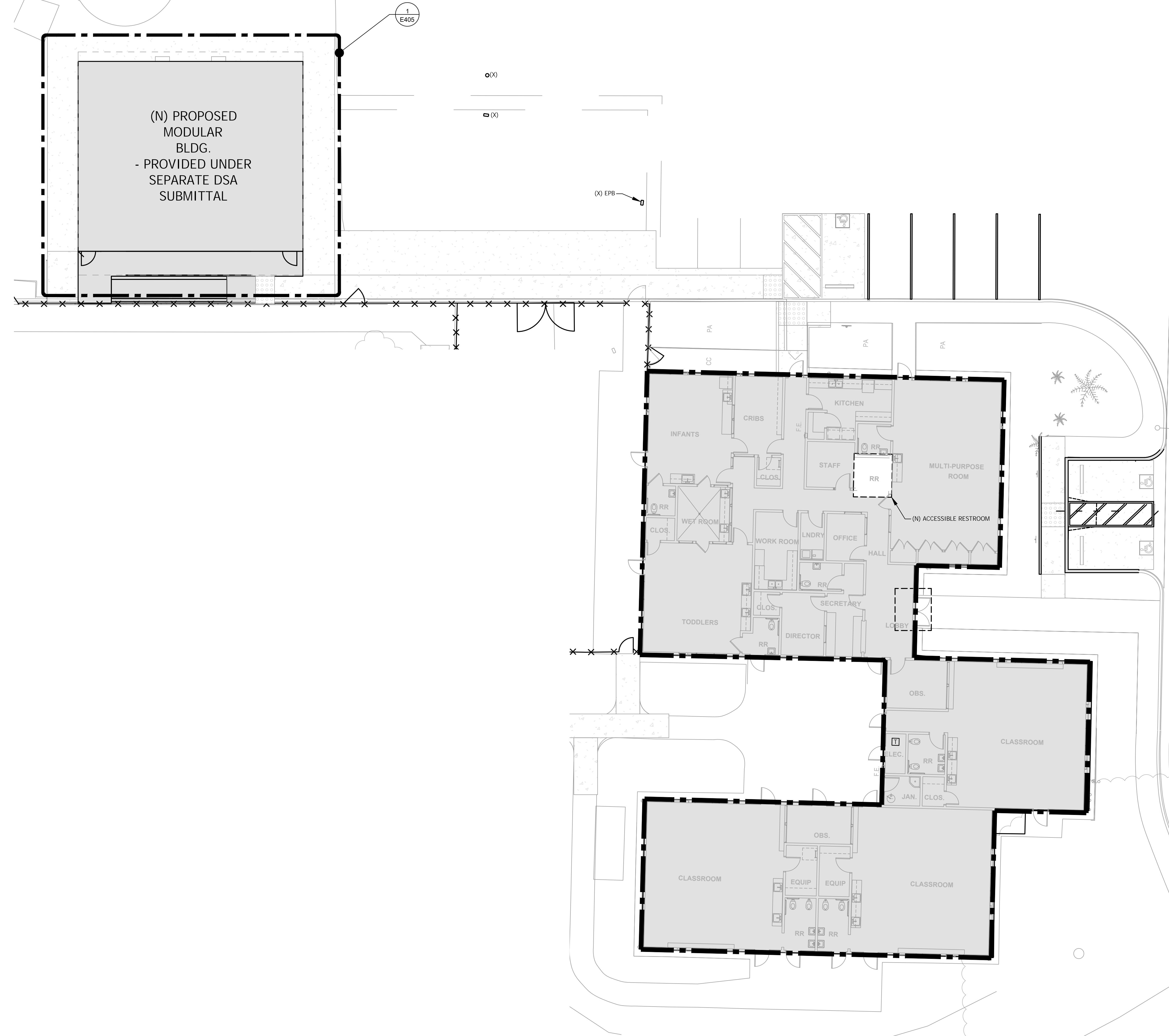
DATE: 24 January 2023
 TIME: 4:48 pm
 PLOT DATE: 1/24/2023 4:48:04 PM

PATHNAME: G:\2\54\NEL\Sheets
 PLOT BY: Lee Keener

DRAWING FILENAME: 22-554 E140
 SAVE DATE: 1/24/2023 1:22:35 PM

DRAFTER: CM01

DRAWING: G:\2\54\NEL\Sheets\22-554 E140.dwg



SCALE: 1/8"=1'-0"
 0 4 8 16

POWER PLAN - ENLARGED AREA

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

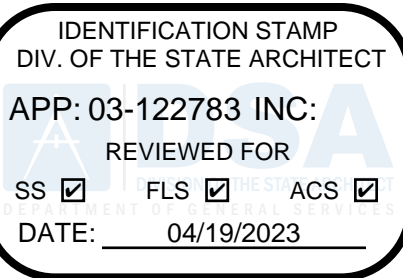
1
 E140



SHEET NOTES:

- CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN AND FINISH.
- CONTRACTOR SHALL IN ROUTING ALL CIRCUITS, INCREASE CONDUCTOR & CONDUIT SIZE TO ALLOW FOR VOLTAGE DROP SHOULD THE CONTRACTOR EXCEED ROUTING INDICATED ON DRAWING. ENGINEER OF RECORD MUST BE NOTIFIED PRIOR TO ANY DEVIATIONS FROM APPROVED PLAN CHECK (PERMIT SET) DRAWINGS.
- COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
- CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
- 3/4" CONDUIT MINIMUM U.O.N.
- PROVIDE CODE SIZE EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
- ALL DEVICES WITH IG SUBSCRIPT, ARE ISOLATED GROUND RECEPTACLES WITH SEPARATE IG CONDUCTOR TO PANELBOARD.
- PROVIDE CONTROLS FOR MECHANICAL EQUIPMENT PER MECHANICAL DOCUMENTS. VERIFY LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT ON MECHANICAL DOCUMENTS.
- VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
- VERIFY THE EXACT ROUTING OF ALL EXPOSED CONDUIT WITH OWNER PRIOR TO INSTALLATION.

DIVISION OF THE STATE ARCHITECT



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 761 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
 VENTURA, CA. 93003

COMMISSIONED ARCHITECT



2628 AGOURA RD. 203 | AGOURA HILLS CA, 91001 | 865-568-4234

CONSULTANT
LUCCI & ASSOCIATES INC.
 CONSULTING ELECTRICAL ENGINEERS
 3251 CORTE MALPASO, #511
 CAMARILLO, CA 93012-8094
 (805) 389-6520 FAX (805) 389-6519

LUCCI & ASSOCIATES, INC. reserve their copyright and other property rights in these plans. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the express written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

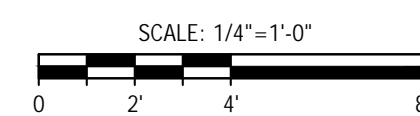
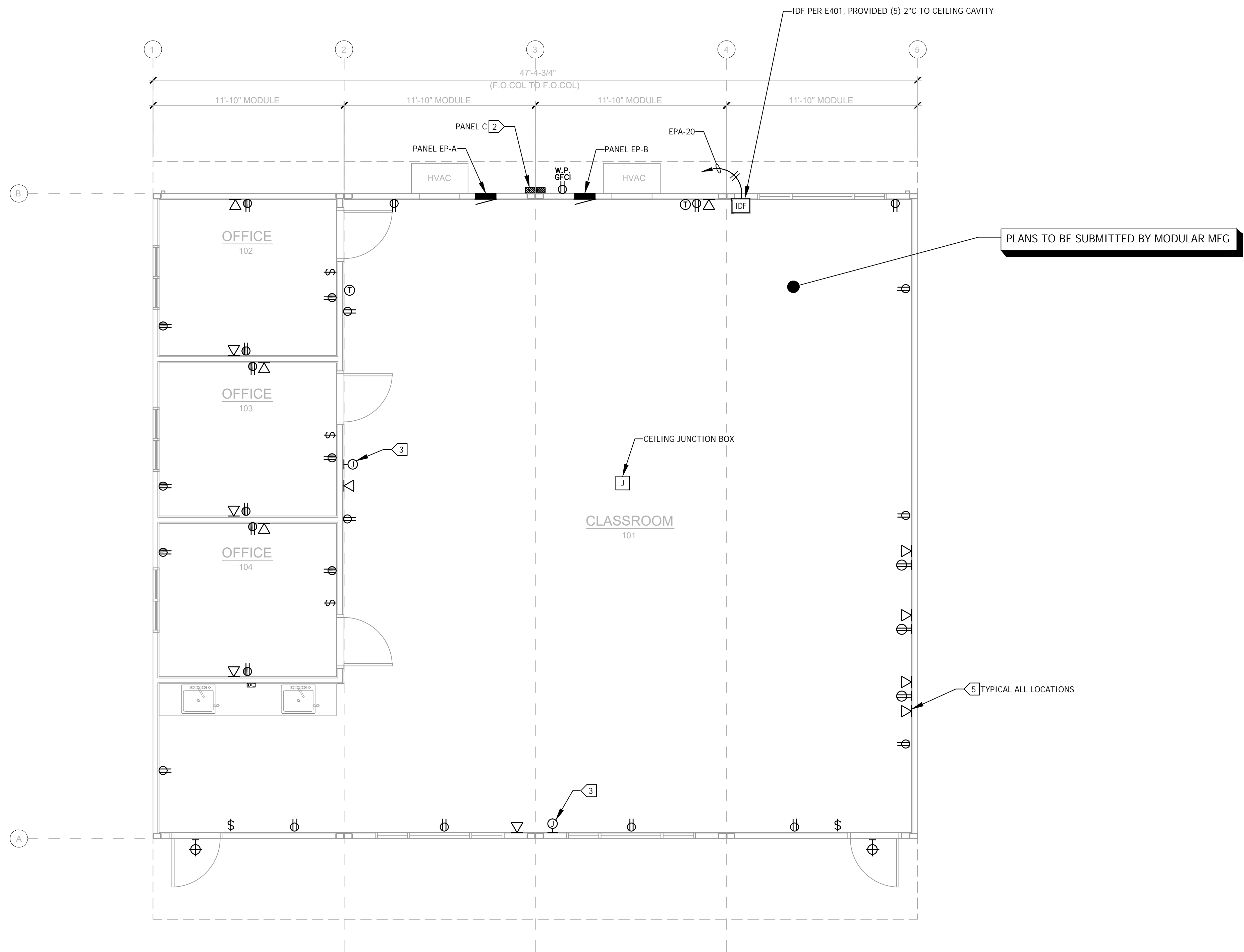
POWER PLAN - ENLARGED AREAS

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
 DRAWN: D.S./L.K. CHECKED: K.L.

SHEET NUMBER:
E140

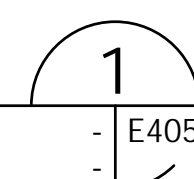
DATE: 11/29/2022 SHEET: OF

DRAFTER: CM01
 DRAWING FILENAME: 22-554 E405
 PATHNAME: G:\2\54\NEL\Sheets
 DATE: 24 January 2023
 TIME: 4:48 pm
 PLOT DATE: 1/24/2023 4:48:20 PM
 PLOT BY: Lee Koenig
 SAVE DATE: 1/24/2023 2:38:04 PM
 DRAWING: G:\2\54\NEL\Sheets\22-554 E405.dwg



ELECTRICAL PLAN - MODULAR BUILDING

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



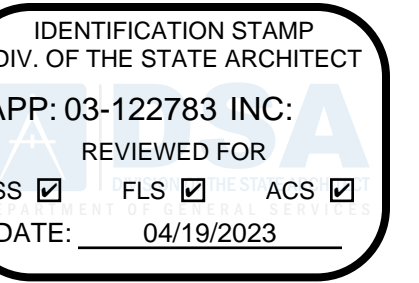
SHEET NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN AND FINISH.
2. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
3. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
4. 3/4" CONDUIT MINIMUM U.O.N., 1" MINIMUM UNDERGROUND.
5. PROVIDE CODE SIZE EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
6. VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.

KEY NOTES:

1. PROVIDED WITH MODULAR
2. NEW PANEL C PER E200/E201 & MOUNTED PER E600) DETAIL 5
3. EMERGENCY COM STATION (DEVICE BY OTHERS). PROVIDE ATLAS ED IP ENCLOSURE AT 1'-0" BELOW CEILING HEIGHT, AND 1" C.O. TO CEILING CAVITY.
4. 4-11/16" DEEP BOX WITH 1-1/4" C.O. TO CEILING CAVITY, MOUNT AT 18" AFF, PROVIDE 2 GANG RING & COVER PLATE.
5. PROVIDE 4-11/16" DEEP BOX WITH 1" C.O. TO CEILING CAVITY, MOUNT AT 18" AFF, PROVIDE 2 GANG RING & COVER PLATE.

DIVISION OF THE STATE ARCHITECT



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 781 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
 VENTURA, CA. 93003

COMMISSIONED ARCHITECT



2828 AGOURA RD. 203 | AGOURA HILLS CA, 91001 | 865-568-4234

CONSULTANT
LUCCI & ASSOCIATES INC.
 CONSULTING ELECTRICAL ENGINEERS
 3251 CORTE MALPASO, #511
 CAMARILLO, CA 93012-5094
 (805) 389-6520 FAX (805) 389-6519

LUCCI & ASSOCIATES, INC. reserve their copyright and other property rights in these plans. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the express written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

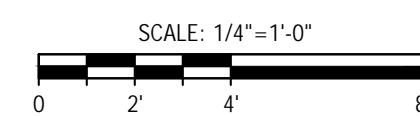
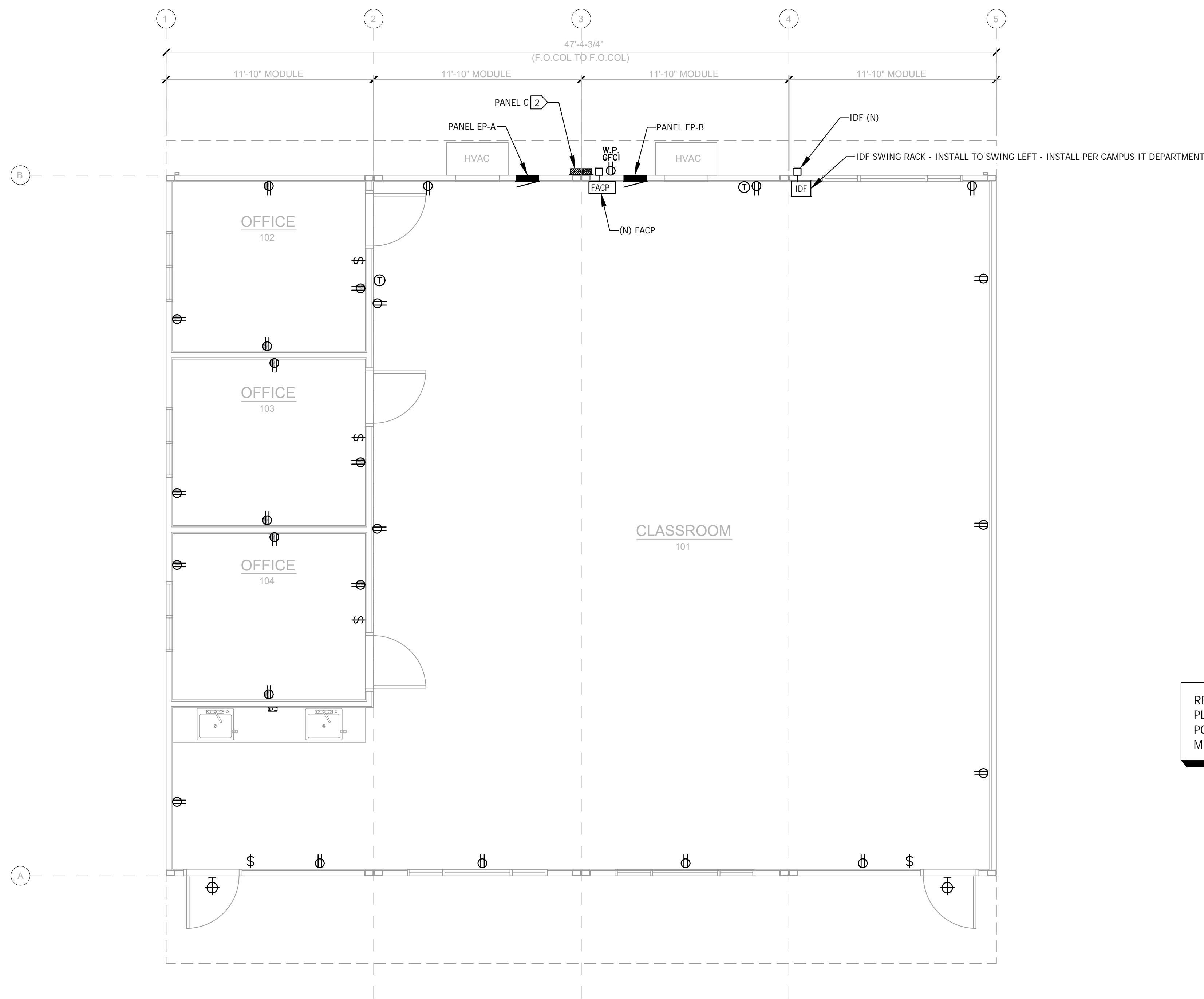
POWER PLAN - MODULAR BUILDING

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
 DRAWN: D.S.J.L.K. CHECKED: K.L.
 SHEET NUMBER:

E405

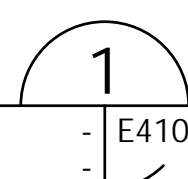
DATE: 11/29/2022 SHEET: ___ OF ___

DRAWING FILENAME: 22-554 E410
 DATE: 24 January 2023
 TIME: 4:48 pm
 PATHNAME: G:\2\554\NEL\Sheets
 PLOT BY: Lee Keener
 PLOT DATE: 1/24/2023 4:46:34 PM
 DRAFTER: CM01
 DRAWING FILENAME: 22-554 E410
 DATE: 24 January 2023
 TIME: 4:48 pm
 PATHNAME: G:\2\554\NEL\Sheets
 PLOT BY: Lee Keener
 PLOT DATE: 1/24/2023 4:46:34 PM
 DRAWING: G:\2\554\NEL\Sheets\22-554 E410.dwg



MODULAR ELECTRICAL PLAN

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

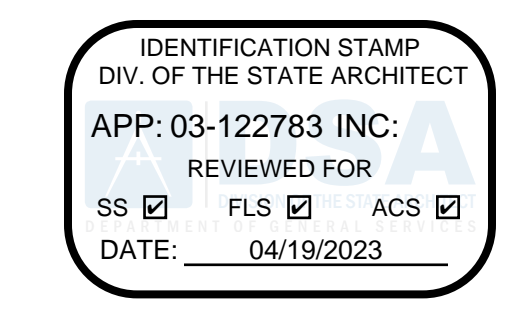


REFERENCE ONLY - FIRE ALARM PER FA PLANS, COM PLANS PER E405, INTERIOR POWER AND LIGHTING PLANS PER MODULAR MFG UNDER SEPARATE PERMIT

SYMBOL LIST

- ELECTRICAL PANEL - MOUNT FLUSH WITH WALL FINISH, U.O.N.
- ⊕ 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
- ⊕ UNCONTROLLED-DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N.
- ⊕ CONTROLLED-SINGLE POLE LIGHT SWITCHES - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX - HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- ⊕ SINGLE POLE SOLA-TUBE SWITCH - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX.
- ⊕ SPRING WOUND COUNTDOWN TIMER, 125-277 VAC, 50/60 Hz, DSPT, 90 MINUTE MAX, ITEM F0490/MV OR EQUAL. - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX.
- ⊕ THERMOSTAT - TOP OF BOX MOUNTED @ +48" A.F.F.

DIVISION OF THE STATE ARCHITECT



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 761 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
 4667 TELEGRAPH RD.
 VENTURA, CA. 93003

COMMISSIONED ARCHITECT

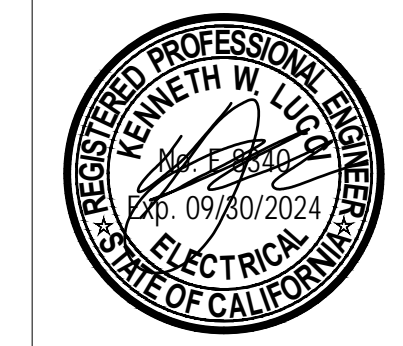
AMADÒR

26228 AGOURA RD. 203 | AGOURA HILLS CA, 91001 | 866-668-4264

CONSULTANT
LUCCI & ASSOCIATES INC.
 CONSULTING ELECTRICAL ENGINEERS
 3251 CORTE MALPASO, #511
 CAMARILLO, CA 93012-8094
 (805) 389-6520 FAX (805) 389-6519

LUCCI & ASSOCIATES, INC. reserve their common law copyright and other property rights in these plans. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the express written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

MODULAR ELECTRICAL PLAN

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
 DRAWN: D.S./L.K. CHECKED: K.L.
 SHEET NUMBER:

E410

DATE: 11/29/2022 SHEET: OF

TIME: 4:49 pm

DATE: 24 January 2023
PLOT DATE: 1/24/2023 4:49:01 PM

PATHNAME: G:\22554\NEL\Sheets
PLOT BY: Lee Keener

DRAWING FILENAME: 22-554 E600
SAVE DATE: 1/19/2023 9:30:42 AM

DRAFTER: CM01

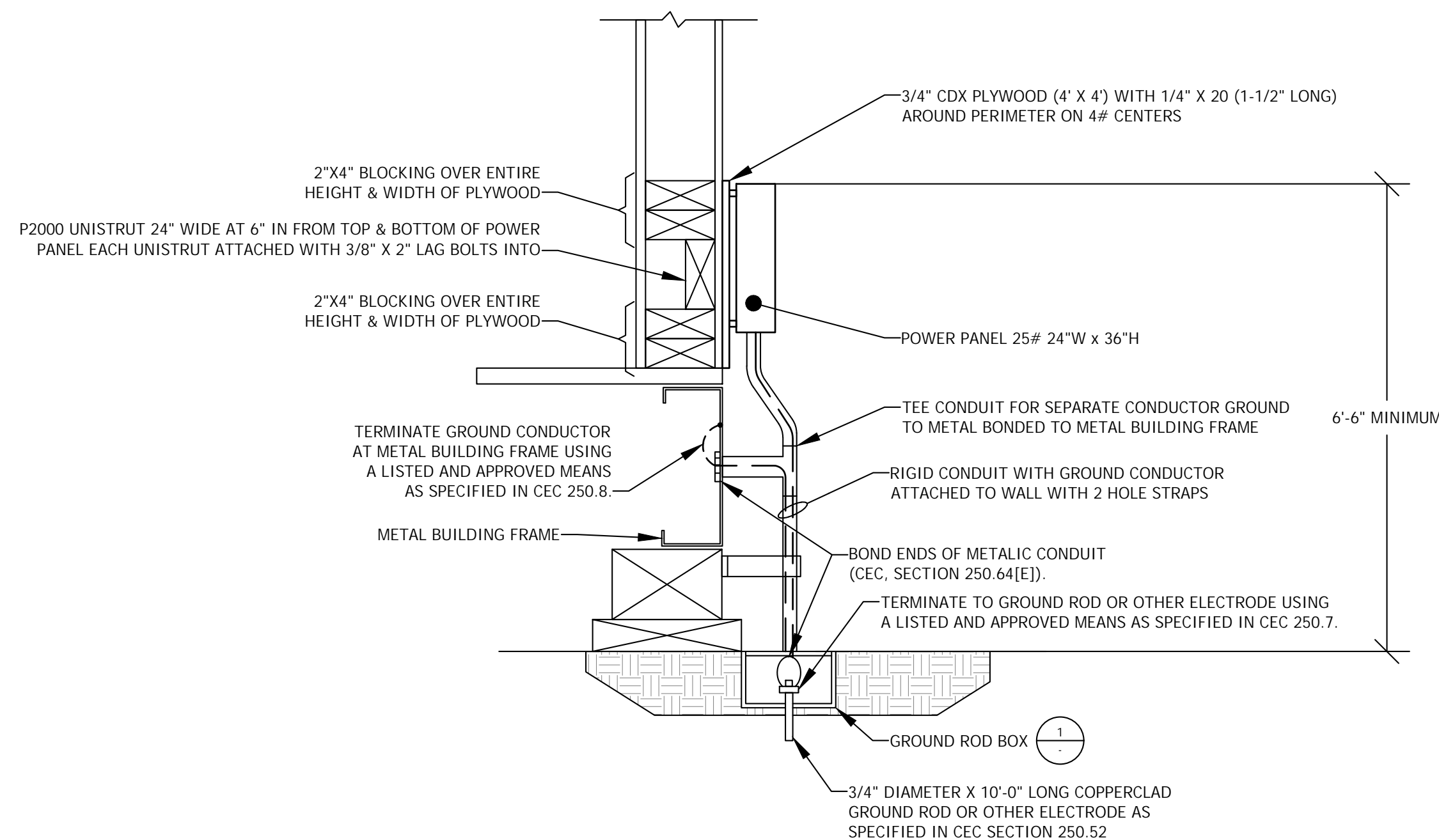
DRAWING: G:\22554\NEL\Sheets\22-554 E600.dwg

DATE: 11/29/2022

1. Size of conductors shall comply with CEC, Table 250.66. CONTRACTOR TO USE #4AWG.
2. Bond separate conductors from ground rod to electrical panel and to metal building frame. In addition to the detail shown above, bond the electrical ground to metal underground water pipe in direct contact with the earth for 10 ft. or more, if available. (CEC, § 250.52)
3. All modules of metal frame buildings shall be electrically bonded together. (Bolting only is not acceptable bonding.)
4. Check resistance to ground. If resistance exceeds 25 ohms, install additional ground rod six feet or greater away. Once the second ground rod is installed, additional ground resistance testing is not required. (CEC, § 250.53(A)(3))
5. Where modular buildings are grouped together, a ground rod may be installed at the end buildings and a ground ring may be installed between them. Each intermediate modular building may be grounded to that ground ring. Where this method is used, ground resistance testing shall not be required. (CEC, § 250.52(A)(4))
6. Where modular buildings are installed on concrete foundations, a concrete-encased electrode (Ufer) ground shall be installed in the footing per CEC Section 250.52(A)(3).
7. Other grounding methods identified in CEC Article 250 shall be acceptable means to achieve adequate grounding of metal buildings in compliance with the above.

All metal building components must be electrically bonded together, and each building must be independently grounded. Multiple buildings are not to be grounded through the electrical system. All grounding systems are to be tested with a low-resistance ohmmeter, or in an otherwise acceptable manner. Refer to CEC Section 250.52 for specific grounding requirements.

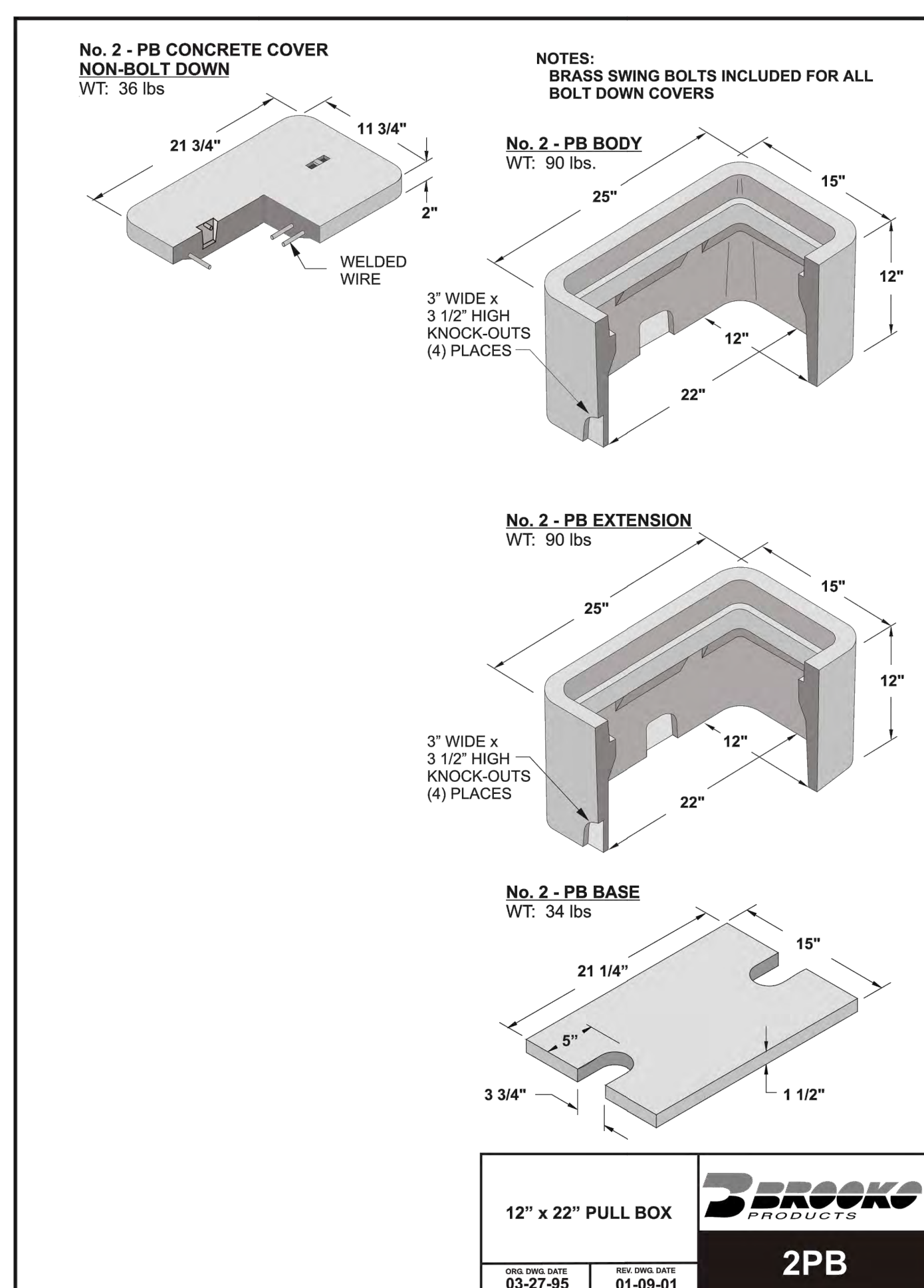
Grounding tests are to be observed and reported by the Project Inspector in their semi-monthly report (form DSA 155).



MODULAR BUILDING SYSTEM GROUND DETAIL

SCALE: NONE

5
- E600



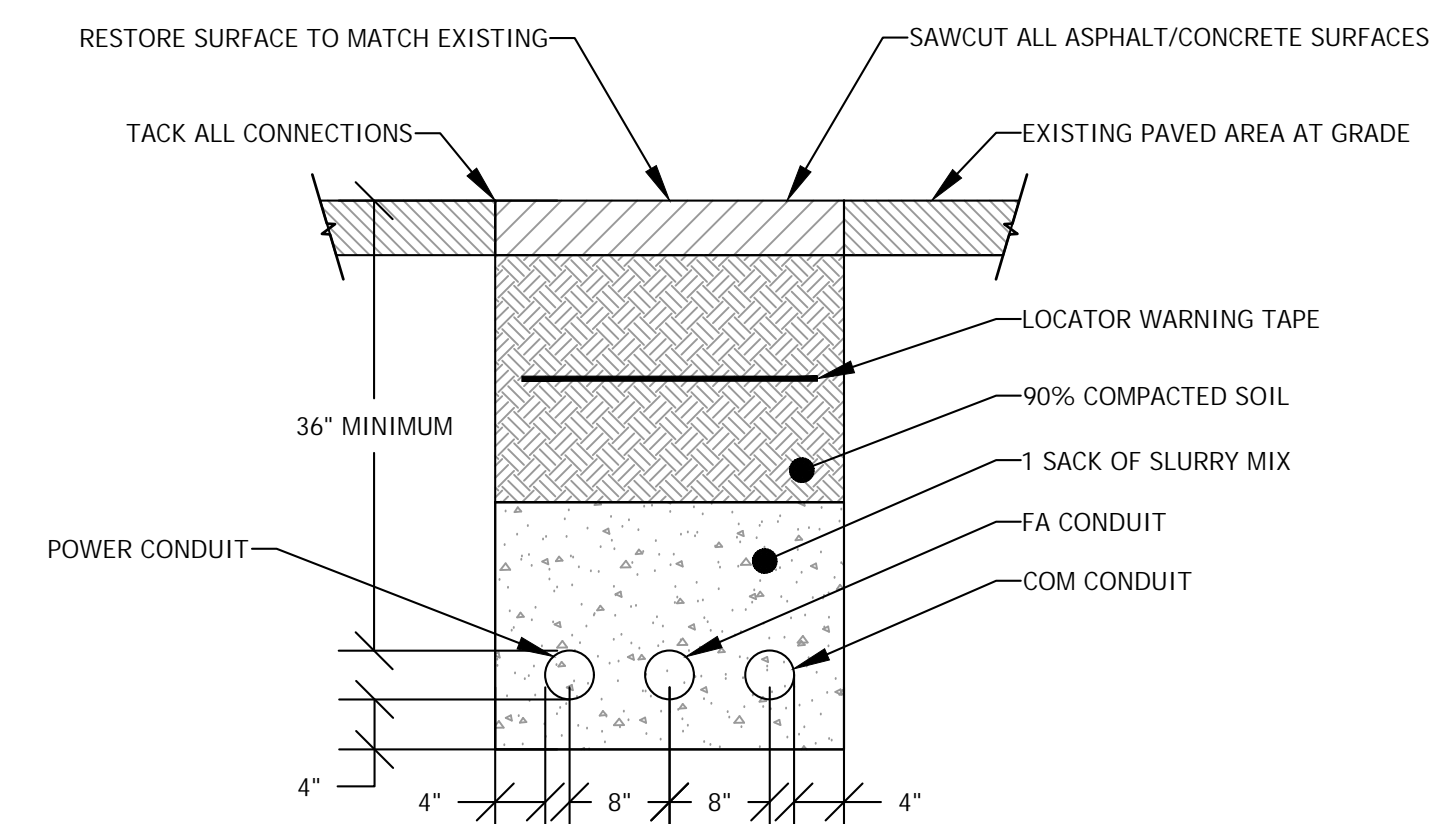
BROOKS #2 PULLBOX

SCALE: NONE

4
- E600

DETAIL NOTES:

1. ALL CONDUITS TO BE PROVIDED WITH METERED PULLWIRES THEIR ENTIRE LENGTH.
2. ALL CONDUITS BENDS SHALL BE FACTORY BENDS WITH MINIMUM 12 TIMES DIAMETER BEND RADIUS.
3. ALL CONCRETE TO BE 5 SACK MIX OR 2000psi
4. ALL FEEDERS TO BE PER ELECTRICAL SINGLE LINE SHEET E200.



DUCTBANK SECTION

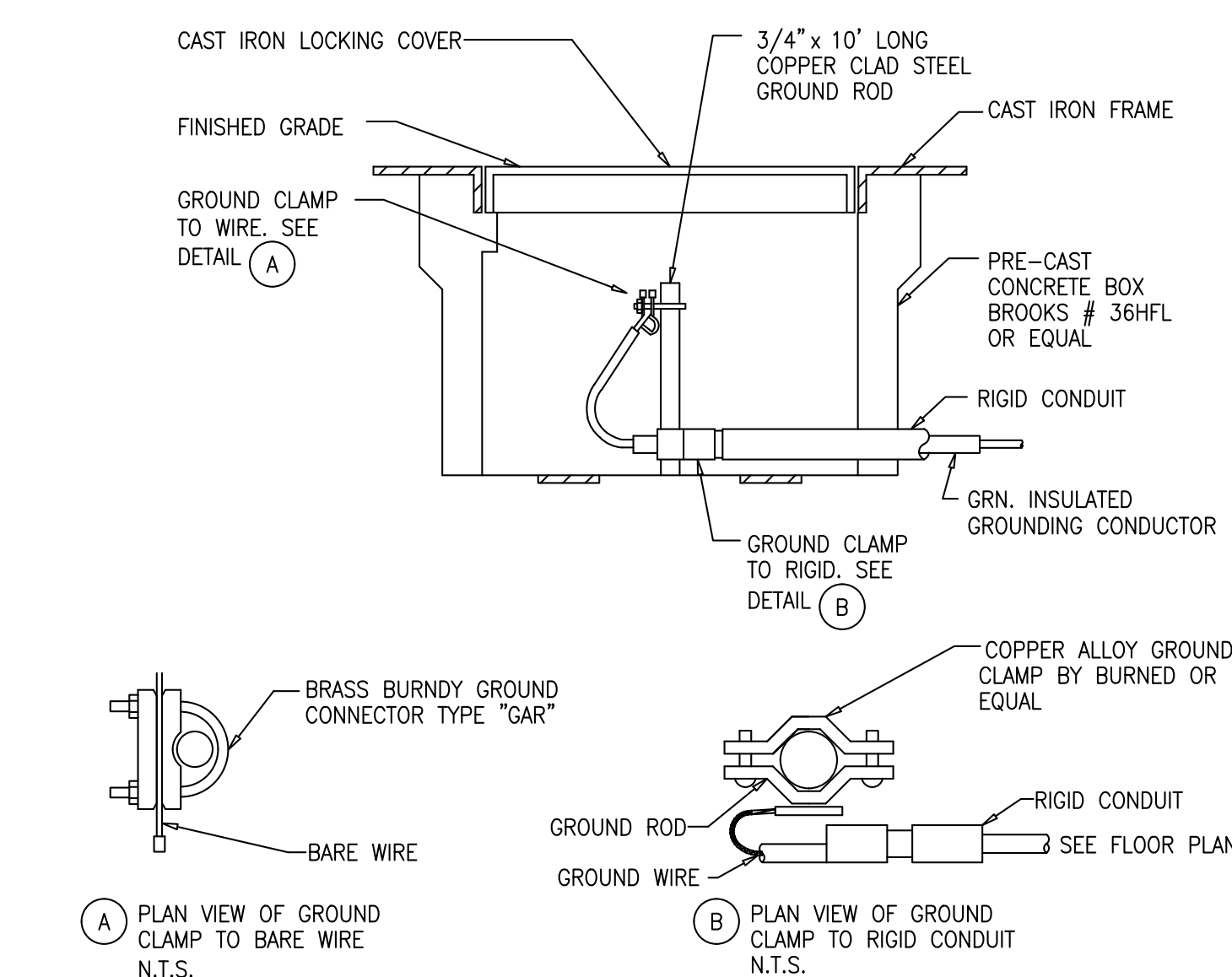
SCALE: NONE

3
- E600

NOT USED

SCALE: NONE

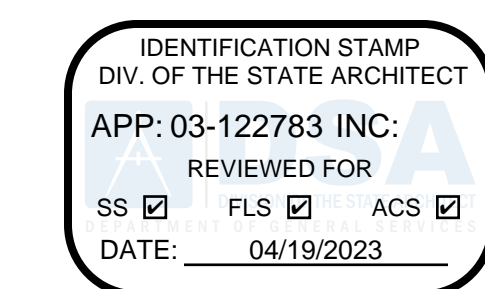
2
- E600



GROUND ROD AND PRE-CAST CONCRETE BOX DETAIL

SCALE: NTS PROVIDE AT EACH MODULAR PANEL

1
- E600



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
VENTURA, CA 93003

COMMISSIONED ARCHITECT

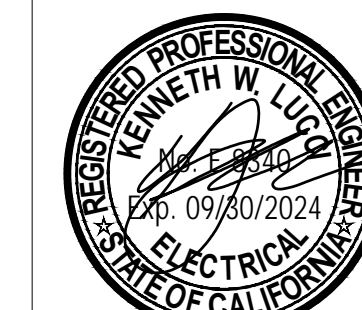
AMADÒR

2628 AGOURA RD. 203 | AGOURA HILLS CA, 91001 | 866-668-4264

CONSULTANT
LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-9074
(805) 389-6520 FAX (805) 389-6519

LUCCI & ASSOCIATES, INC. reserve their commonlaw copyright and other property rights in these plans. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the express written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

ELECTRICAL DETAILS

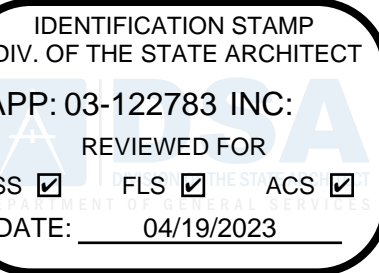
PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA

DRAWN: D.S./L.K. CHECKED: K.L.

SHEET NUMBER:

E600

DATE: 11/29/2022 SHEET: OF



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADÒR

2628 AGOURA RD. 203 | AGOURA HILLS CA, 91001 | 865-568-0244

CONSULTANT
LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-8074
(805) 389-6520 FAX (805) 389-6519

LUCCI & ASSOCIATES, INC. reserve their copyright and other property rights in these plans. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the expressed written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

FIRE ALARM GENERAL NOTES, SYMBOLS & ABBREVIATION

PROJECT NO: 22-VCCDD-16 PROJECT ARCH: JA
DRAWN: D.S./L.K. CHECKED: K.L.

SHEET NUMBER:

FA100

DATE: 11/29/2022 SHEET: OF

SCOPE OF WORK

NEW FIRE ALARM SYSTEM WILL INCLUDE MANUAL AND AUTOMATIC DETECTION AND VOICE EVACUATION.

NEW FIRE ALARM SYSTEM WILL BY MONITORED BY A UL LISTED CENTRAL STATION PER CFC 907.6.6 AND UTILIZE ALTERNATE MEANS OF COMMUNICATIONS PER NFPA 72 CHAPTER 26

CAMPUS HAS CAMPUS WIDE CONNECTION / MONITORING SERVICE AND MONITORING AT ADMIN & POLICE DEPARTMENT.

PROJECT DATA

APPLICABLE CODES:

- A. 2019 CALIFORNIA BUILDING CODE (CBC)
- B. 2019 CALIFORNIA ELECTRICAL CODE (CEC)
- C. 2019 CALIFORNIA MECHANICAL CODE (CMC)
- D. 2019 CALIFORNIA PLUMBING CODE (CPC)
- E. 2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R.
- F. TITLE 19, CCD, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
- G. NFPA 72-2016 EDITION
- H. CAL/OSHA CONSTRUCTION SAFETY ORDERS
- J. ADA, ADAAG, ARS, TITLE 24, CHAPTER 11

BUILDING CLASSIFICATION:

- A. OCCUPANCY TYPE: B
- B. OCCUPANCY LOAD: -
- C. CONSTRUCTION TYPE: -
- D. FIRE SPRINKLERS: NO

DSA TRACKING #

AGENCIES: DSA

DSA REQUIRED NOTES

- APPLICABLE STANDARD 2016 NFPA 72
- INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN APPROVED BY DSA.
- UPON COMPLETION OF THE INSTALLATION OF THE SYSTEMS, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.
- A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
- 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.
- DSA ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
- 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 LAB TESTING CRITERIA. APPROVED TYPE OF MATERIALS SHALL BE IDENTIFIED WITHIN THE SPECIFICATION WITHIN THE FIRE ALARM SECTION.
- WALL MOUNTED VISUAL NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.
- 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.
- AUDIBLE DEVICES TO BE AT LEAST 15 DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL BUT NOT LESS THAN 75 DBA AT 10 FEET OR MORE THAN 110 DBA AT THE MINIMUM HEARING DISTANCE. SOUND LEVEL SHALL BE MAINTAINED FOR DURATION OF AT LEAST 60 SECTIONS 5 DBA MUST BE MAINTAINED.
- AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.
- THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
- VISUAL DEVICES SHOULD NOT EXCEED 2 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISUAL DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
- UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATERTIGHT FITTINGS AND WIRE TO BE APPROVAL FOR WET LOCATIONS.
- ALL FIRE ALARM WIRING SHALL BE FLP OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THIN OR THWN.
- 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 IN UNDERGROUND LOCATIONS. THERE MUST BE AT LEAST 6' OF LEAD WIRE FROM THE BOX TO THE DEVICE. ALL BOXES TO BE SIZED PER CEC.
- SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
- ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANNER AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
- FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED THE WEIGHT OF 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
- A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS.
- THE INSTALLING CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION PER NFPA 72, FIGURE 10.18.2.1.1.
- CONTROL PANELS, REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48".
- THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
- SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
- OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.

EVACS LEGEND

SYMBOL	DESCRIPTION	MODEL #	C.S.F.M. #	BACK BOX REQUIREMENTS
[FACP]	FIRE ALARM CONTROL PANEL W/ EVACS *	GAMEWELL-FCI E3	7165-1703-0125	SURFACE MOUNT
[CELL]	HONEYWELL CELL/IP COMMUNICATOR	HONEYWELL HWF2V-COM	7300-1645-0511	SURFACE MOUNT
[DOC]	FIRE ALARM DOCUMENT BOX	SPACE AGE	-	SURFACE MOUNT
[P]	MANUAL PULL STATION	GAMEWELL-FCI MS-7AF	7160-1703-0170	SINGLE GANG BOX
[SD]	SMOKE DETECTOR W/ BASE	GAMEWELL-FCI ASD-LS3	7272-1703-0504	4" SQ. BOX W/ 3" ROUND RING
[HD]	HEAT DETECTOR W/ BASE	GAMEWELL-FCI ATD-L3H	7272-1703-0502	4" SQ. BOX W/ 3" ROUND RING
[SM]	SPEAKER/STROBE COMBO, WALL MOUNT	SYSTEM SENSOR SPSRL	7320-1653-0505	4" SQ. DEEP BOX
[SH]	OUTDOOR SPEAKER, RED	SYSTEM SENSOR SPRK	7320-1653-0201	SURFACE MOUNT BOX

- * INCLUDES:
- AOM TELF
 - ASM-16
 - INI VGE UTP
 - INI 7100 UTP
 - VOICE PAGING MICROPHONE ASSEMBLY
 - LCD NGA ANNUNCIATOR
 - FIRE FIGHTERS HANDSET

WIRE CHART

SYMBOL	CIRCUIT DESCRIPTION	CONDUCTOR COLOR	WIRE IN CONDUIT	NO CONDUIT NO PLENUM	NO CONDUIT IN PLENUM	UNDERGROUND / WET SYMBOL	WIRE IN CONDUIT UNDERGROUND/WET	CLASS
SBUS	SBUS COMM CIRCUIT - POWER	YELLOW / BLUE	2 CONDUCTOR 2/14 STRANDED TYPE THHN	2 CONDUCTOR 2/14 FPLR SOLID OR STRANDED TWISTED/ UNSHIELDED	2 CONDUCTOR 2/14 FPLR SOLID OR STRANDED TWISTED/ UNSHIELDED	SBUSU	2 CONDUCTOR 2/14 TYPE THWN	B
	SBUS COMM CIRCUIT - DATA	RED / BLACK	2 CONDUCTOR 2/18 FPLR SOLID TWISTED/ SHIELDED	2 CONDUCTOR 2/18 FPLR SOLID TWISTED/ SHIELDED	2 CONDUCTOR 2/18 FPLR SOLID TWISTED/ SHIELDED		2 CONDUCTOR 2/16 FPLR STRANDED TWISTED/ SHIELDED WEST PENN#AQ294	B
Z	SIGNAL LINE CIRCUIT (SLC)	RED / BLACK	2 CONDUCTOR 2/16 FPLR SOLID TWISTED/ UNSHIELDED	2 CONDUCTOR 2/16 FPLR SOLID TWISTED/ UNSHIELDED	2 CONDUCTOR 2/16 FPLR SOLID TWISTED/ UNSHIELDED	ZU	2 CONDUCTOR 2/16 FPLR STRANDED TWISTED/ SHIELDED WEST PENN#AQ225	B
V	VISUAL APPLIANCE CIRCUIT	YELLOW / BLUE RED / BLACK ORANGE / BROWN	2 CONDUCTOR 2/12 STRANDED TYPE THHN	2 CONDUCTOR 2/12 FPLR SOLID TWISTED/ UNSHIELDED	2 CONDUCTOR 2/12 FPLR SOLID TWISTED/ UNSHIELDED	VU	2 CONDUCTOR 2/12 STRANDED TYPE THWN	B
S	SPEAKER APPLIANCE CIRCUIT	RED / BLACK	2 CONDUCTOR 2/16 FPLR STRANDED TWISTED/ SHIELDED	2 CONDUCTOR 2/16 FPLR STRANDED TWISTED/ SHIELDED	2 CONDUCTOR 2/16 FPLR STRANDED TWISTED/ SHIELDED	SU	2 CONDUCTOR 2/16 FPLR STRANDED TWISTED/ SHIELDED WEST PENN#AQ294	B
Y	HANDSET/COM CIRCUIT	RED/BLACK/ BROWN/BLUE	2 PAIR 2/16 FPC TWISTED/ UNSHIELDED	2 PAIR 2/16 FPC TWISTED/ UNSHIELDED	2 PAIR 2/16 FPC TWISTED/ UNSHIELDED	SU	2 PAIR 16/4 FPC TWISTED/ UNSHIELDED WEST PENN#AQ245	B

FIRE ALARM INPUTS

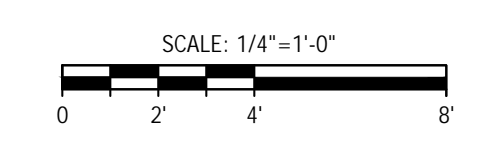
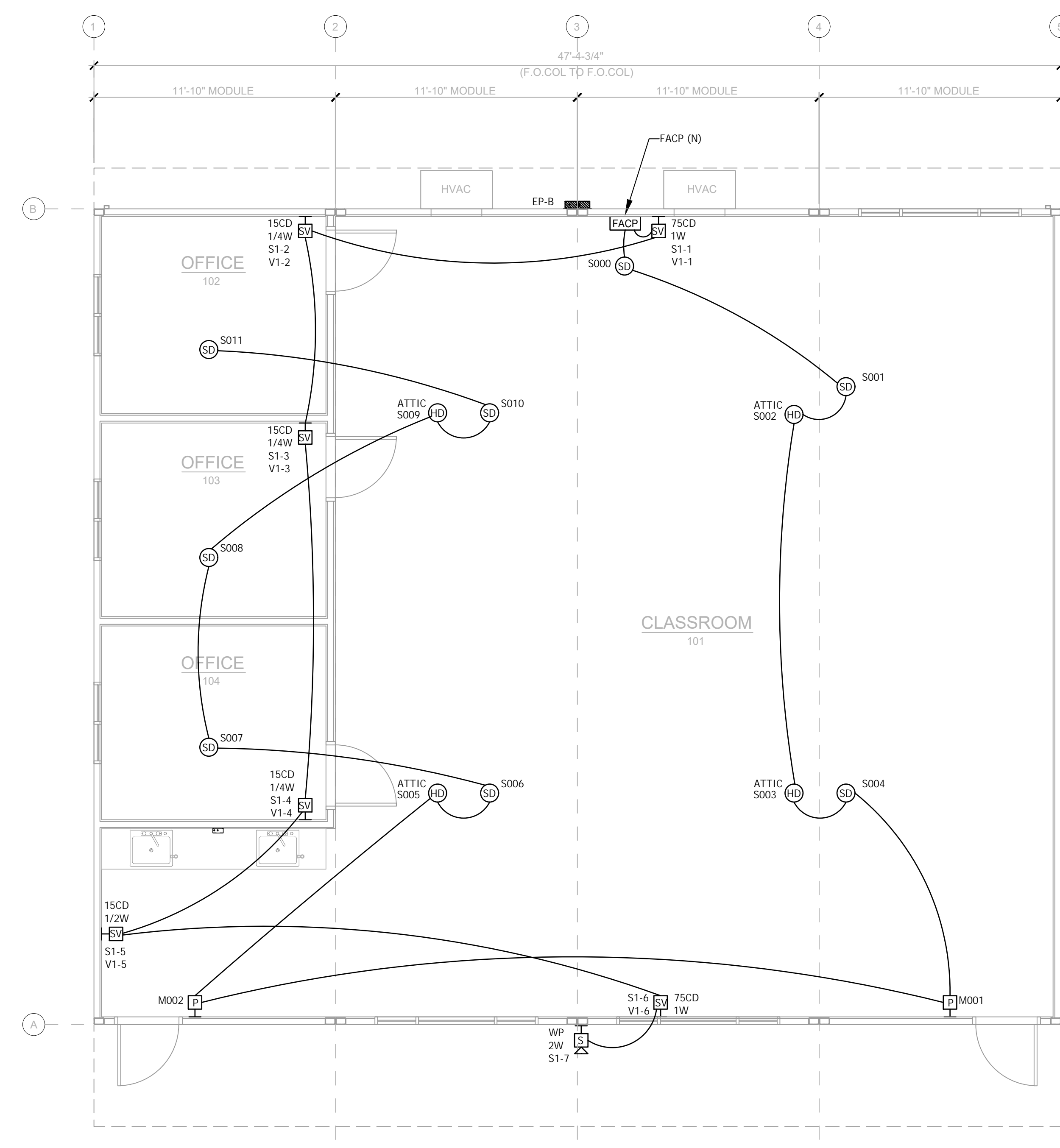
CONTROL MATRIX	ACTIVATE COMMON ALARM SIGNAL INDICATOR	ACTIVATE AUDIBLE ALARM SIGNAL	ACTIVATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTIVATE COMMON SUPERVISORY SIGNAL	ACTIVATE COMMON TROUBLE SIGNAL INDICATOR	ACTIVATE COMMON TROUBLE SIGNAL	DISPLAY CHANGE OF STATUS MESSAGE ON LCD DISPLAY	DISPLAY MESSAGE ON LCD DISPLAY	TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	TRANSMIT CARBON MONOXIDE DETECTOR SUPERVISORY SIGNAL	ACTIVATE 120VAC SPRINKLER BELL	ACTIVATE INTELLIGENT VOICE EVACUATION	NOT USED	ACTIVATE MANUAL OVER RIDE OF SPEAKERS "ALL CALL"	NOT USED	SYSTEM WILL BE 100% OPERATIONAL ON BATTERY BACK UP	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
MANUAL PULL STATION	●	●																						
AREA SMOKE / ATTIC HEAT DETECTOR	●	●																						
MICROPHONE KEY																●								
FIRE ALARM SYSTEM AC POWER FAIL				●	●	●	●											●						
FIRE ALARM SYSTEM LOW BATTERY				●	●	●	●																	
FIRE ALARM AMPLIFIER AC POWER FAIL				●	●	●	●																	
FIRE ALARM AMPLIFIER SYSTEM LOW BATTERY				●	●	●	●																	
GROUND FAULT				●	●	●	●																	
SIGNAL LINE "SHORT"				●	●	●	●																	
NOTIFICATION "OPEN" CIRCUIT				●	●	●	●																	
CELLULAR PANEL "FAIL TO COMMUNICATE"				●	●	●	●																	
CELLULAR PANEL "TELCO LINE CUT"				●	●	●	●																	

FIRE ALARM OUTPUTS

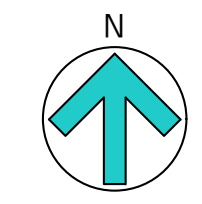
CONTROL UNIT ANNUNCIATION	NOTIFICATION												REQUIRED FIRE SAFETY CONTROL											
ACTIVATE COMMON ALARM SIGNAL INDICATOR																								
ACTIVATE AUDIBLE ALARM SIGNAL																								
ACTIVATE COMMON SUPERVISORY SIGNAL INDICATOR																								
ACTIVATE COMMON SUPERVISORY SIGNAL																								
ACTIVATE COMMON TROUBLE SIGNAL INDICATOR																								
ACTIVATE COMMON TROUBLE SIGNAL																								
DISPLAY CHANGE OF STATUS MESSAGE ON LCD DISPLAY																								
DISPLAY MESSAGE ON LCD DISPLAY																								
TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION																								
TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION																								
TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION																								
TRANSMIT CARBON MONOXIDE DETECTOR SUPERVISORY SIGNAL																								
ACTIVATE 120VAC SPRINKLER BELL																								
ACTIVATE INTELLIGENT VOICE EVACUATION																								
NOT USED																								
ACTIVATE MANUAL OVER RIDE OF SPEAKERS "ALL CALL"																								
NOT USED																								
SYSTEM WILL BE 100% OPERATIONAL ON BATTERY BACK UP																								
NOT USED																								
NOT USED																								
NOT USED																								
NOT USED																								
NOT USED																								
NOT USED																								

DATE: 24 January 2023 TIME: 4:49 pm
 PATHNAME: G:\22554\FA100
 DRAWING FILENAME: 22-554 FA 100
 DRAWING: G:\22554\FA100.dwg
 DRAFTER: CM01
 SAVE DATE: 1/24/2023 9:38:27 AM
 PLOT BY: Lee Koenig
 PLOT DATE: 1/24/2023 4:49:06 PM

DATE: 24 January 2023
 TIME: 4:49 pm
 PLOT DATE: 1/24/2023 4:49:11 PM
 PATHNAME: G:\22\554\EL\Sheets
 PLOT BY: Lee Keener
 DRAWING FILENAME: 22-554 FA 101
 SAVE DATE: 1/19/2023 9:23:36 AM
 DRAFTER: CM01
 DRAWING: G:\22\554\EL\Sheets\22-554 FA 101.dwg



ENLARGED FIRE ALARM PLAN
 SCALE: 1/4"=1'-0"
 1
 FA101



DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR:
 SS FLS ACS
 DATE: 04/19/2023



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 781 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
 VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADÒR



2828 AGOURA RD. 203 | AGOURA HILLS CA, 91001 | 865-668-4234

CONSULTANT

LUCCI & ASSOCIATES INC.
 CONSULTING ELECTRICAL ENGINEERS
 3251 CORTE MALPASO, #511
 CAMARILLO, CA 93012-5094
 (805) 389-6520 FAX (805) 389-6519

LUCCI & ASSOCIATES, INC. reserve their common law copyright and other property rights in these plans. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the express written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.

STAMPS/SEALS

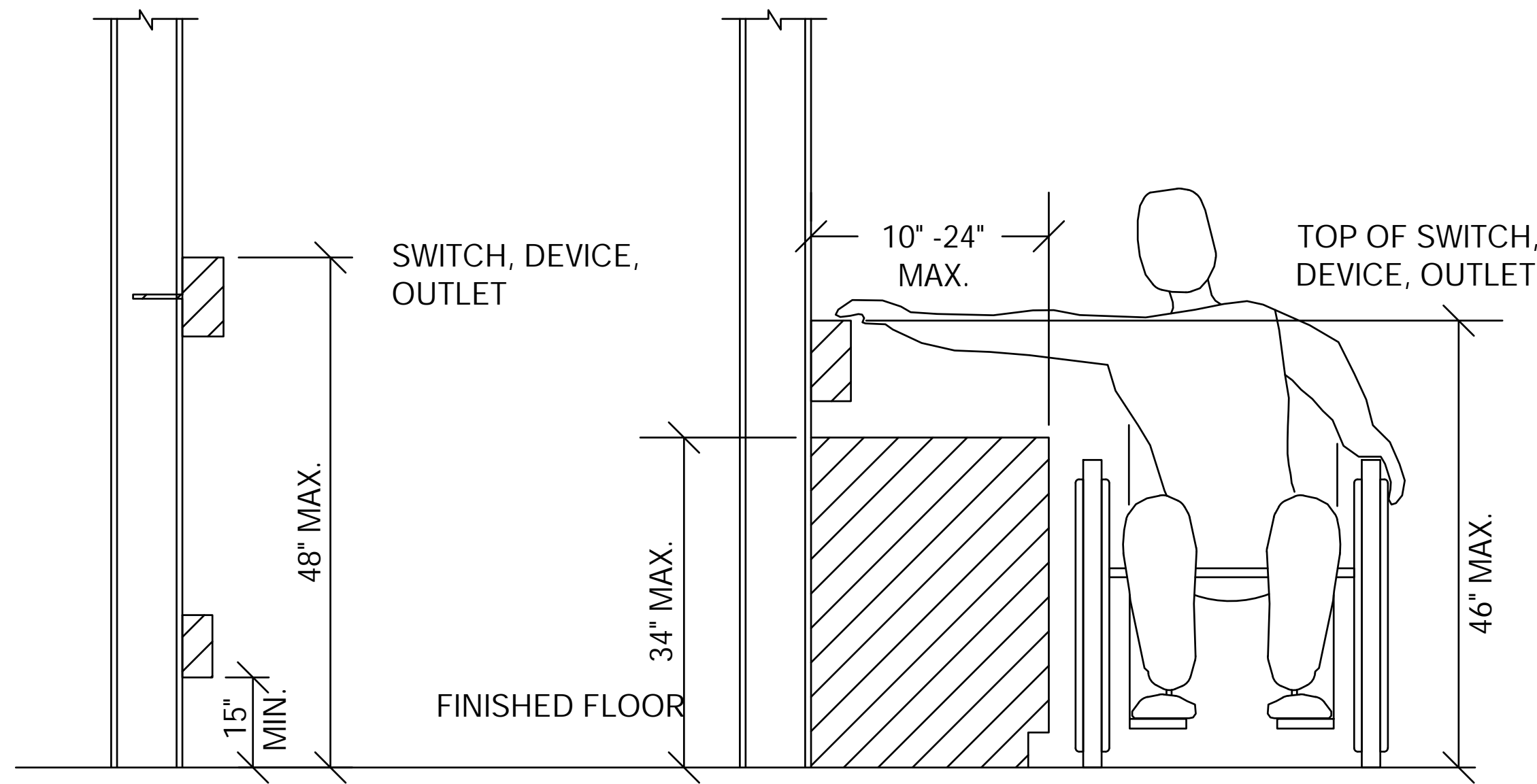
DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

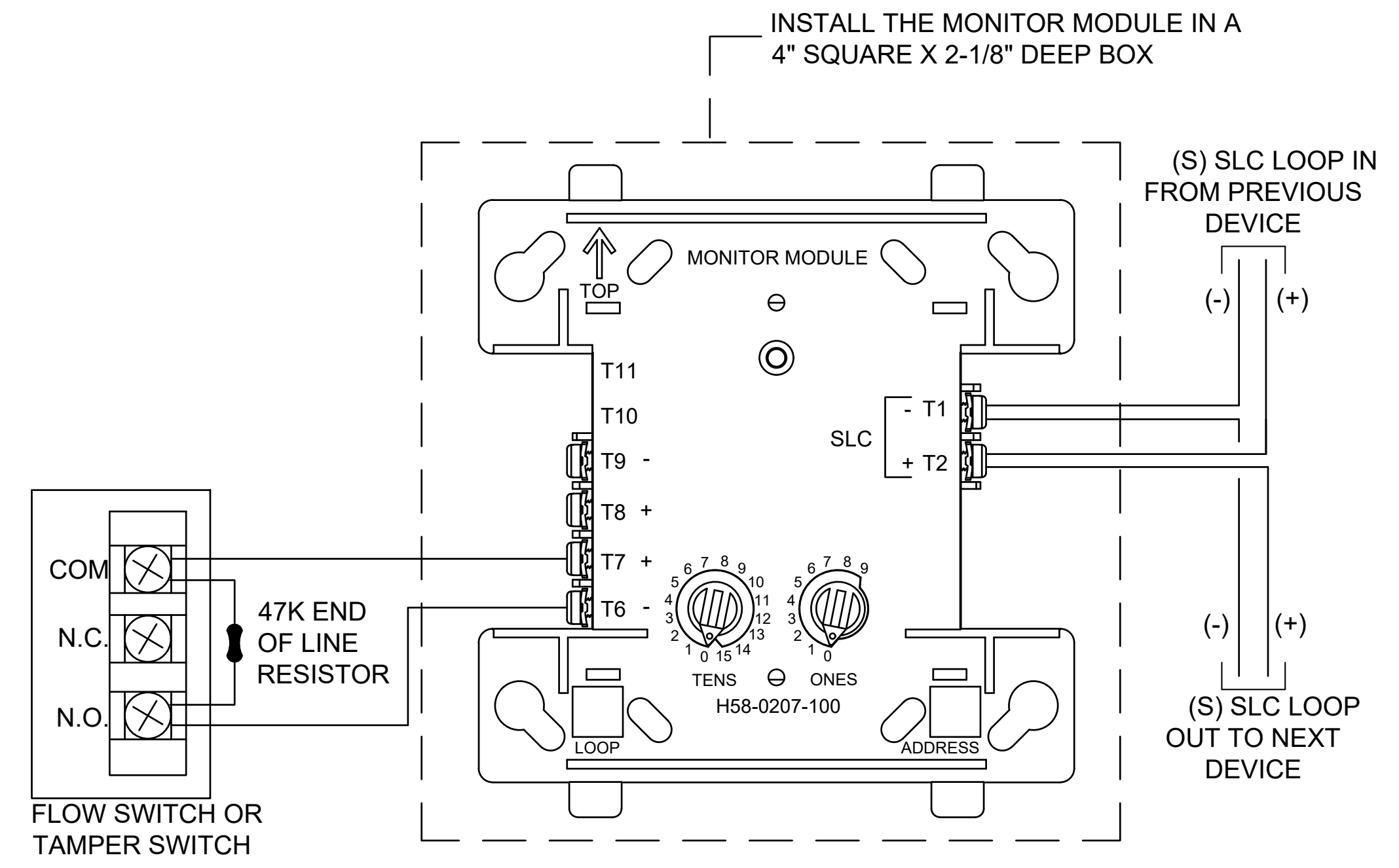
ENLARGED FIRE ALARM PLAN

PROJECT NO: 22-VCCCD-16	PROJECT ARCH: JA
DRAWN: D.S./L.K.	CHECKED: K.L.
FA101	
DATE: 11/29/2022	SHEET: ___ OF ___

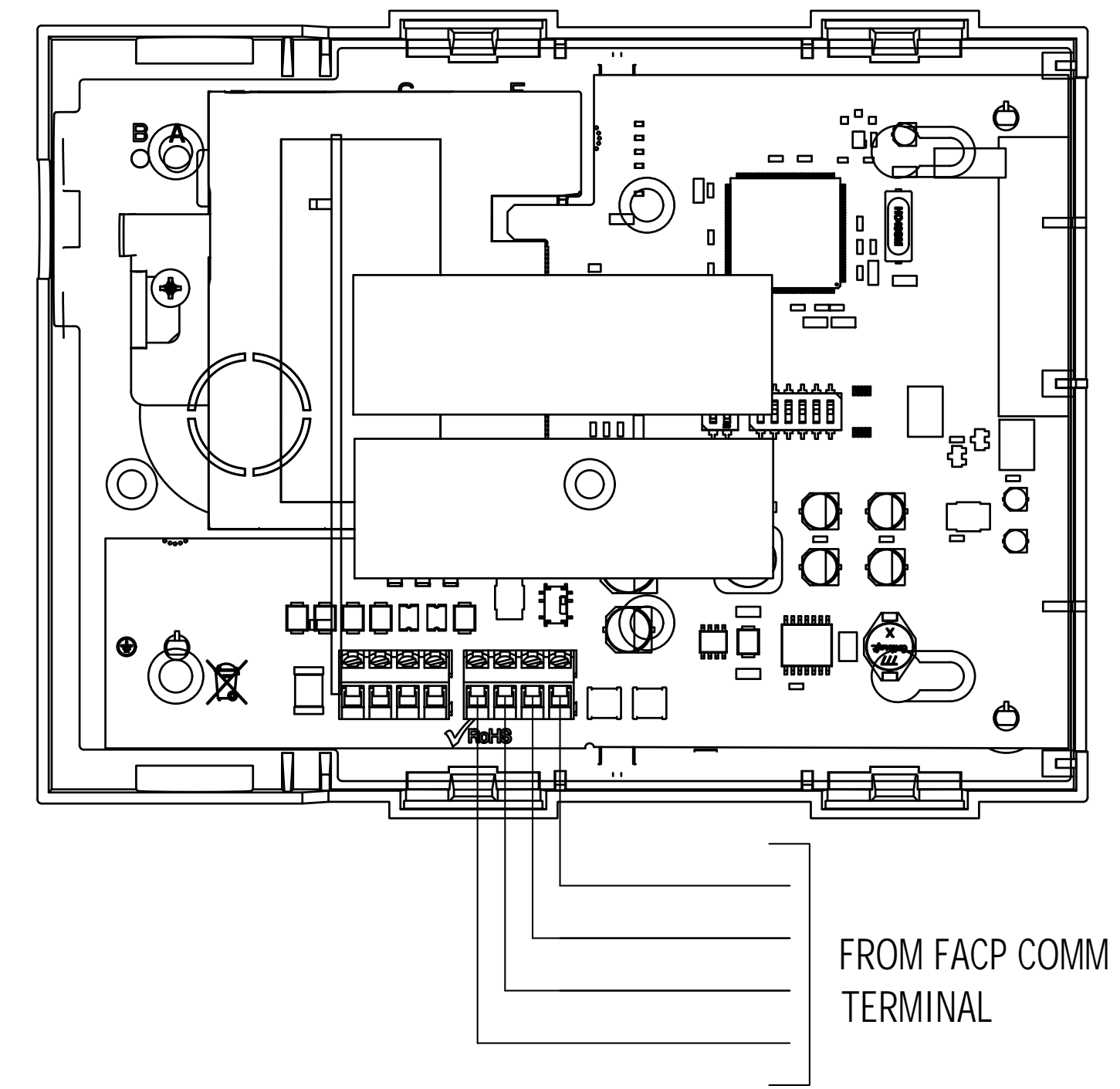
MOUNTING HEIGHT OVER OBSTRUCTION



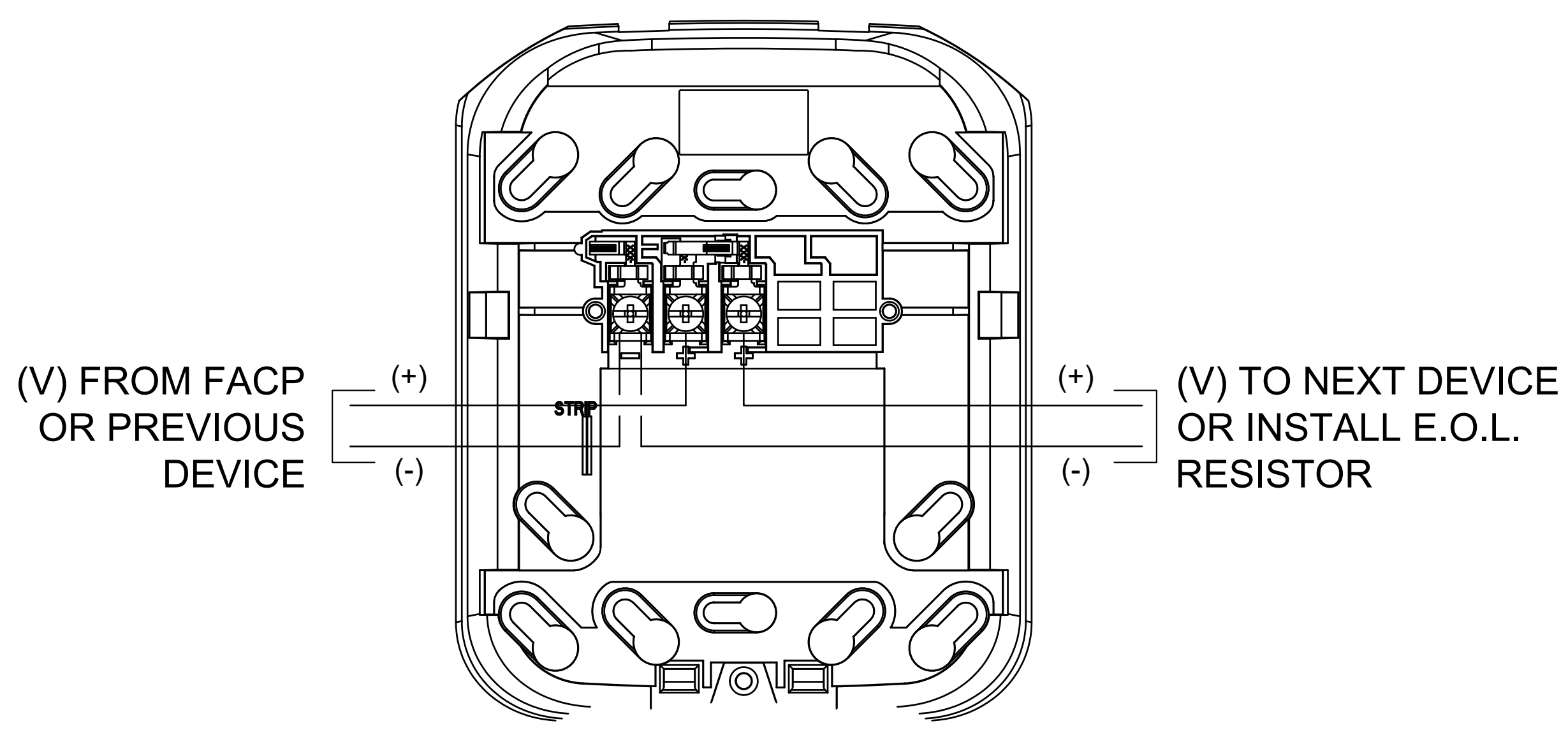
SILENT KNIGHT MONITOR MODULE WIRING DETAIL



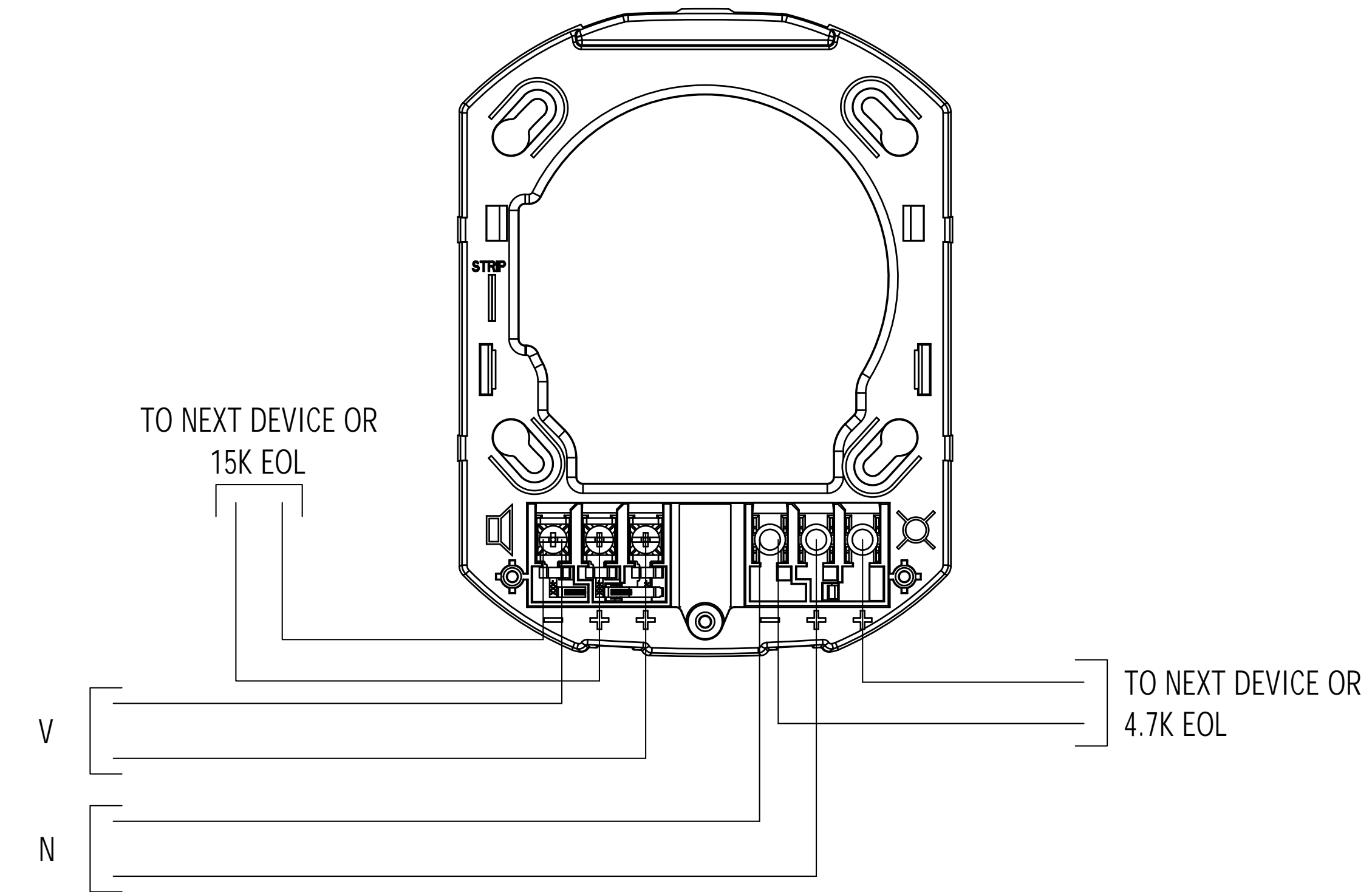
CELLULAR COMMUNICATOR WIRING DETAIL



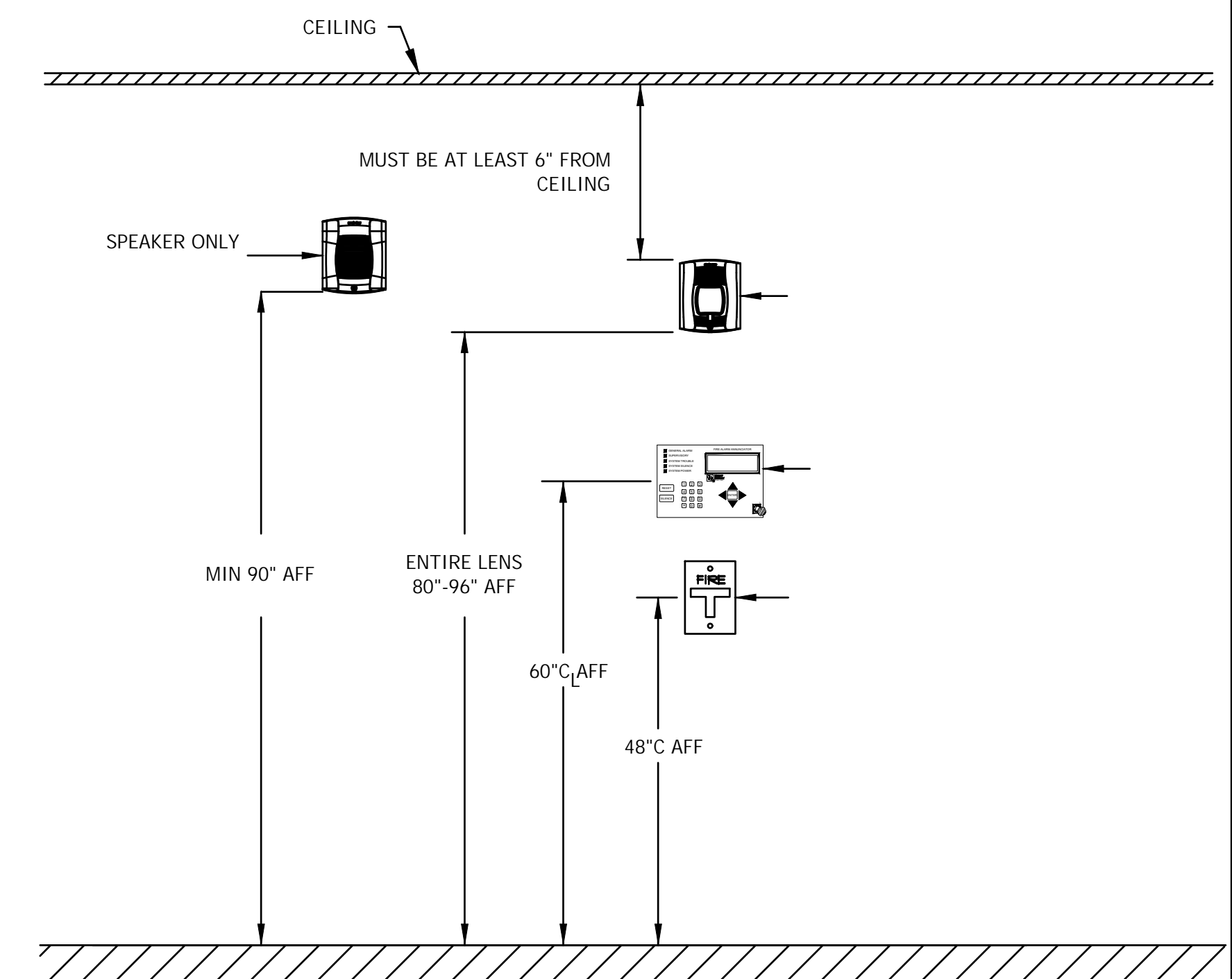
SYSTEM SENSOR HORN STROBE WIRING DETAIL



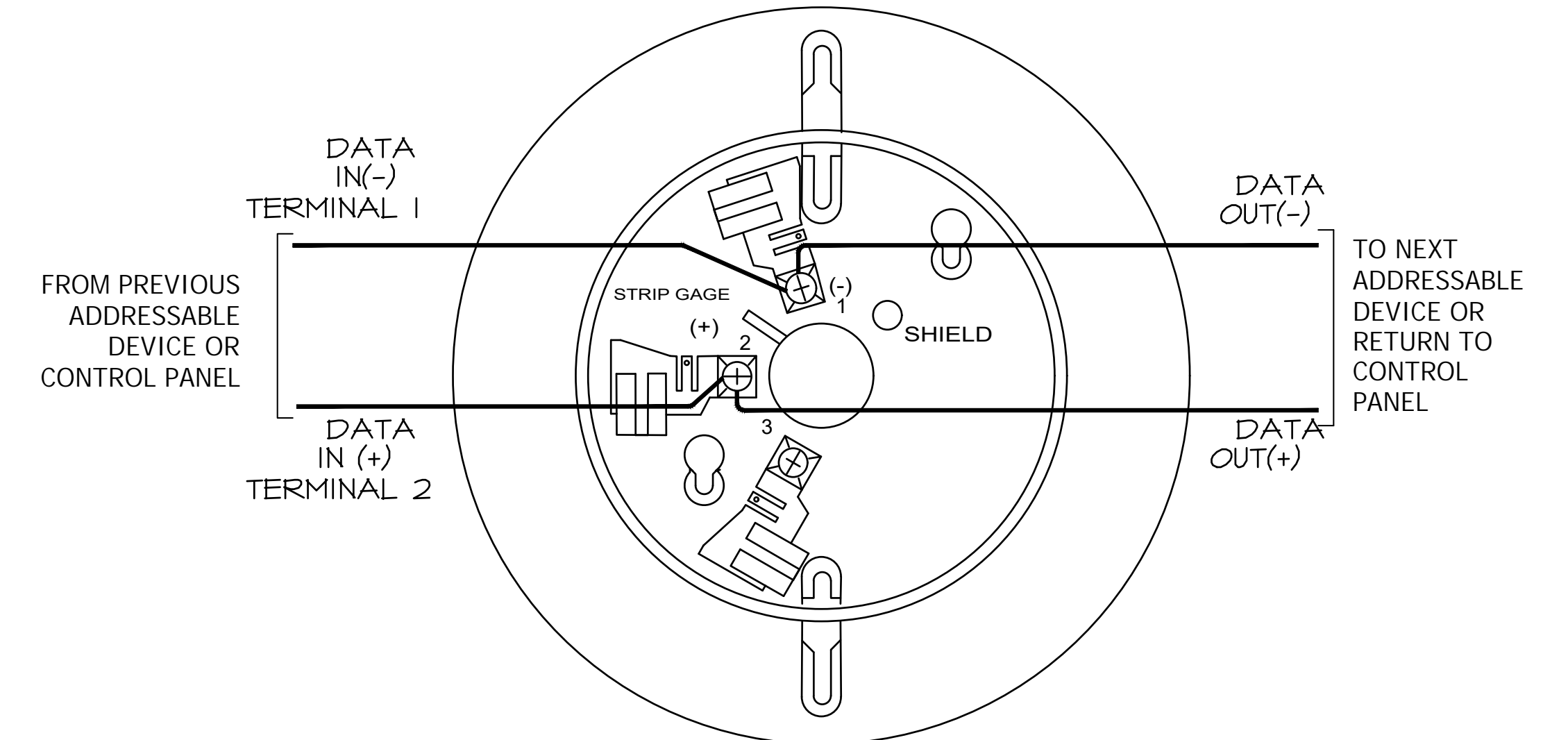
SYSTEM SENSOR SPEAKER/STROBE WIRING DETAIL



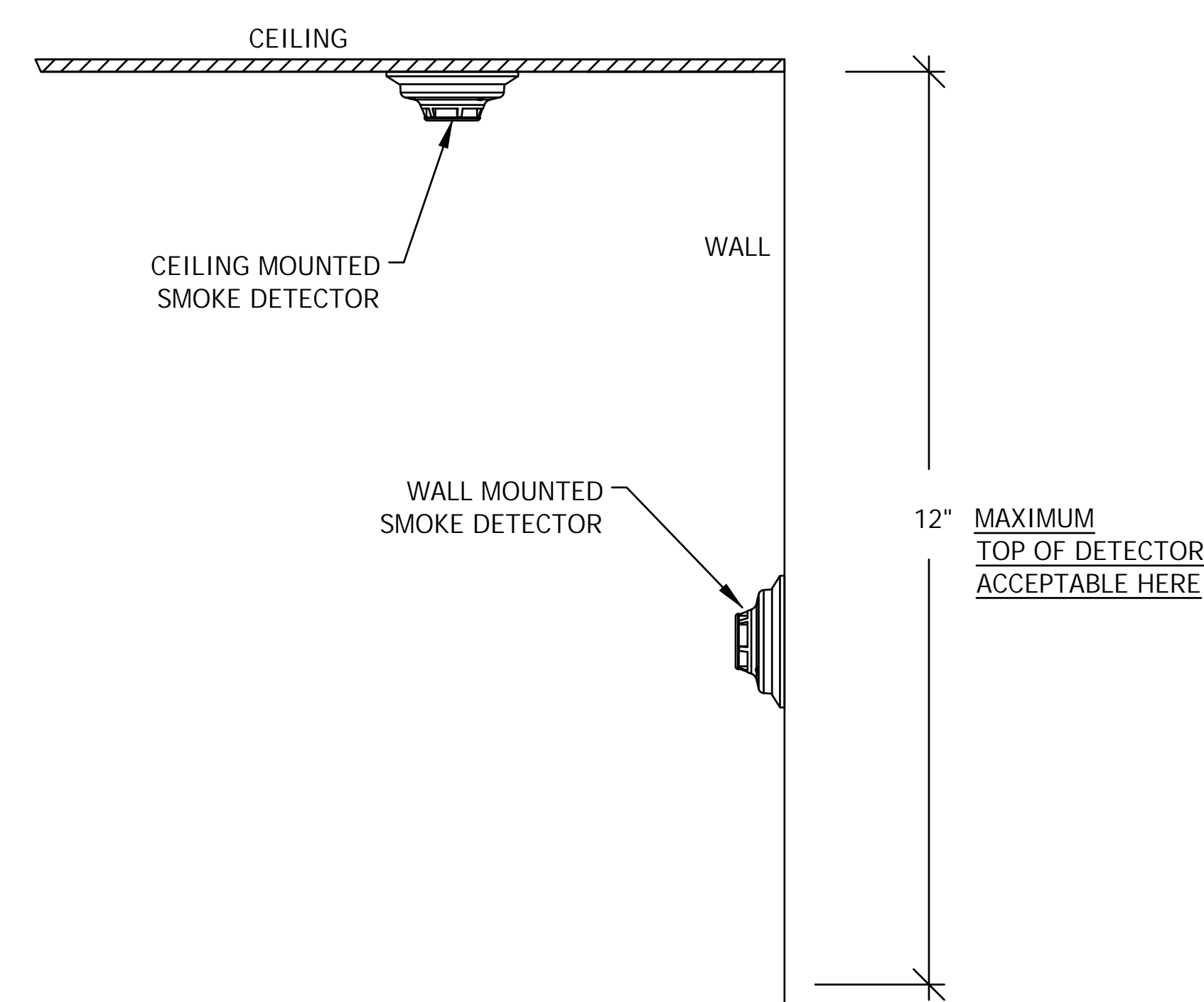
ANNUNCIATOR WIRING DETAIL



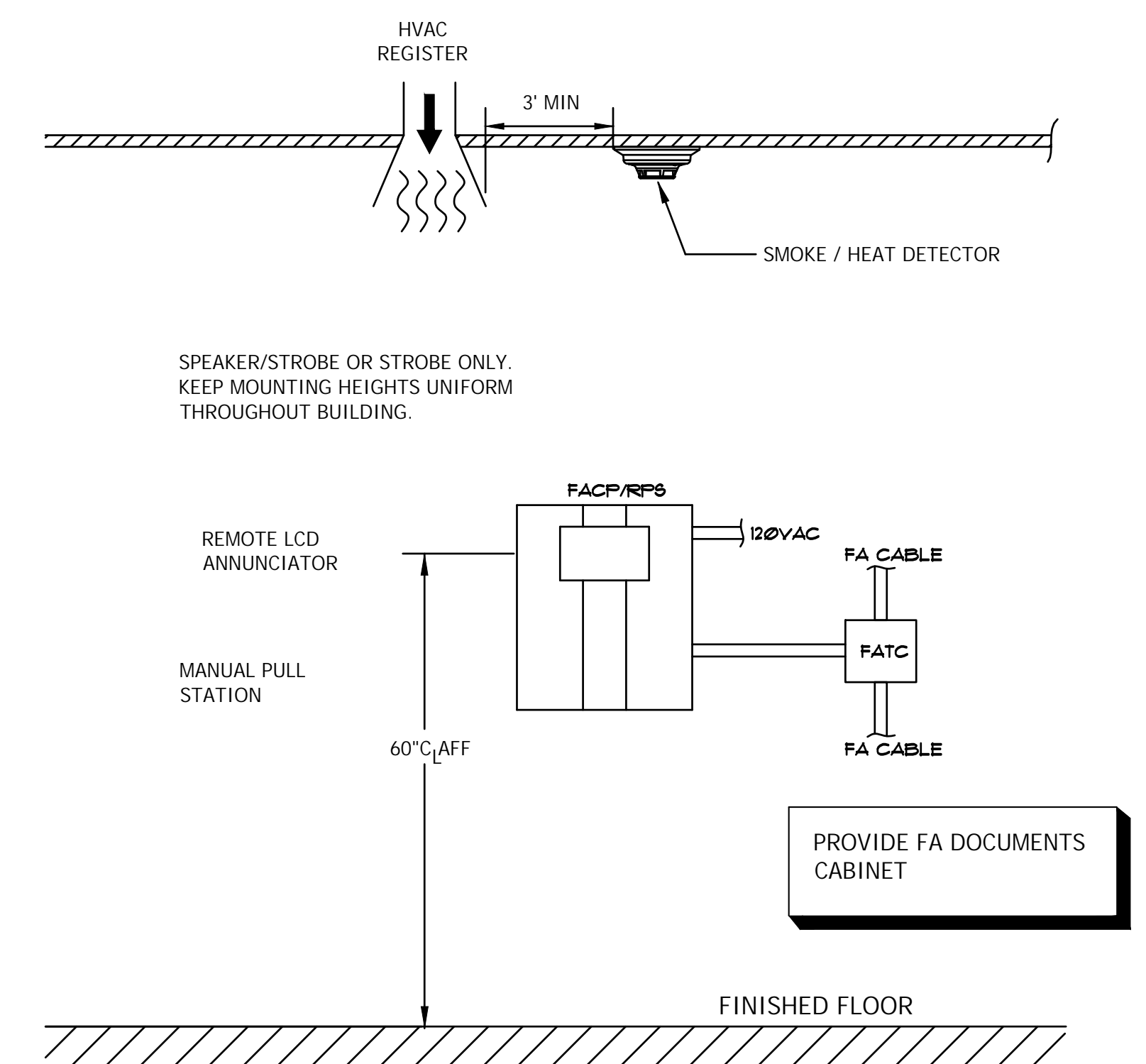
SILENT KNIGHT DETECTOR WIRING DETAIL



SMOKE DETECTOR MOUNTING DETAIL



MOUNTING HEIGHT & ROUGH-IN DETAIL



DIVISION OF THE STATE ARCHITECT
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023



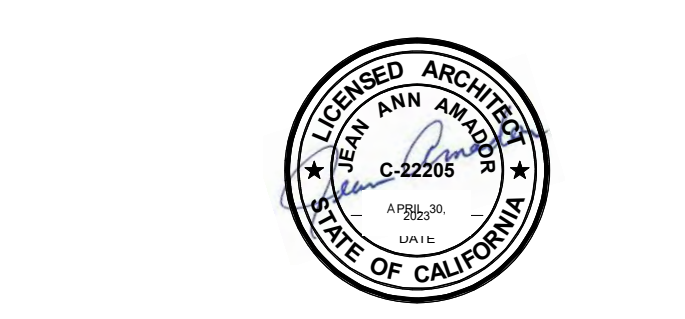
VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 781 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION
CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
 4667 TELEGRAPH RD.
 VENTURA, CA. 93003

COMMISSIONED ARCHITECT
AMADÒR

CONSULTANT
LUCCI & ASSOCIATES INC.
 CONSULTING ELECTRICAL ENGINEERS
 3251 CORTE MALPASO, #511
 CAMARILLO, CA 93012-8094
 (805) 389-6520 FAX (805) 389-6519

LUCCI & ASSOCIATES, INC. reserve their common law copyright and other property rights in these plans. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the express written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.

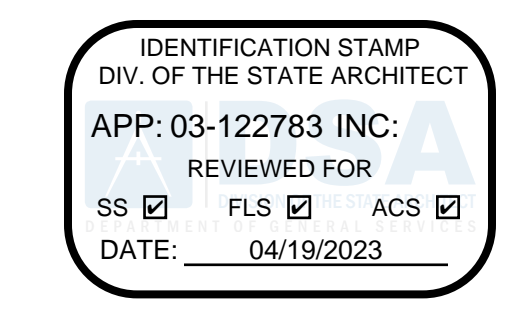


DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:
FIRE ALARM DETAIL SHEET

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
 DRAWN: D.S./L.K. CHECKED: K.L.
 SHEET NUMBER:
FA102
 DATE: 11/29/2022 SHEET: OF

TIME: 4:49 pm
 DATE: 24 January 2023
 PLOT DATE: 1/24/2023 4:49:16 PM
 PATHNAME: G:\22554\EL Sheets
 PLOT BY: Lee Keener
 DRAWING FILENAME: 22-554 FA 102
 SAVE DATE: 1/24/2023 9:38:17 AM
 DRAFTER: CM01
 DRAWING: G:\22554\EL Sheets\22-554 FA 102.dwg



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT



2828 AGOURA RD. 281 AGOURA HILLS CA, 91301 | 865-568-4234

CONSULTANT
LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-8074
(805) 389-6520 FAX (805) 389-6519

LUCCI & ASSOCIATES, INC. reserve their copyright and other property rights in these plans. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the express written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

FIRE ALARM RISER DIAGRAM, VOLTAGE DROP, AND BATTERY CALCULATION

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
DRAWN: D.S.J.K. CHECKED: K.L.
SHEET NUMBER:

FA103

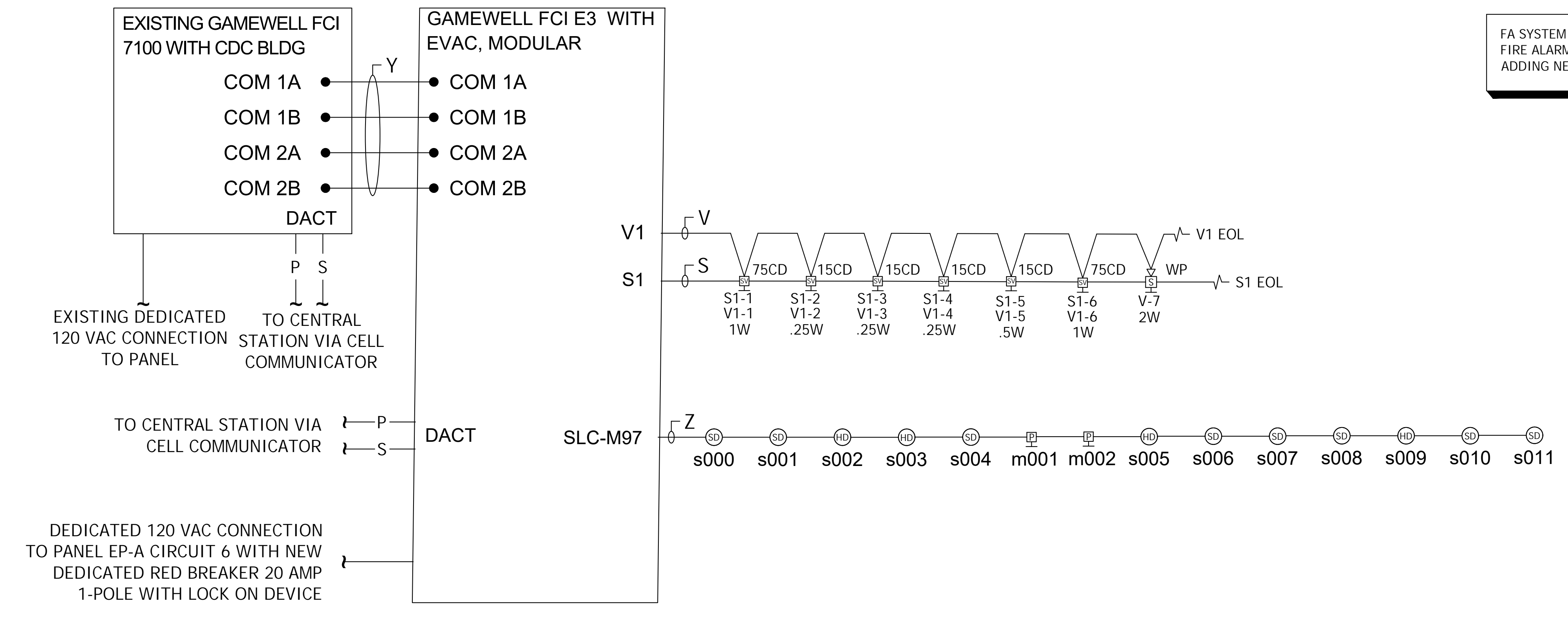
DATE: 11/29/2022 SHEET: ___ OF ___

AS NOTED ON E140 ALL NEW MODULAR BUILDINGS ARE MORE THAN 20 FEET FROM ANY ADJACENT STRUCTURES

PER 907 2.3.1 "SYSTEM CONNECTION"

EXCEPTION: INTERCONNECTION OF FIRE ALARM CONTROL UNITS IS NOT REQUIRED WHEN ALL THE FOLLOWING ARE PROVIDED: BUILDINGS THAT ARE SEPARATE A MINIMUM OF 20 FEET (6096MM) AND IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE; AND THERE IS A METHOD OF TWO WAY COMMUNICATION BETWEEN EACH CLASSROOM AND THE SCHOOL ADMINISTRATIVE OFFICE APPROVED BY THE FIRE ENFORCING AGENCY; AND A METHOD OF MANUAL ACTIVATION OF EACH FIRE ALARM SYSTEM IS PROVIDED.

FA SYSTEM IS TIED INTO EXISTING CAMPUS FIRE ALARM SYSTEM WHICH IS CAPABLE OF ADDING NEW PANELS / DEVICES



VOLTAGE DROP CALCULATIONS - VISUAL APPLIANCE CIRCUITS

PANEL ID	CKT #	15cd STROBE		30cd STROBE		75cd STROBE		110cd STROBE		15cd HORN-STROBE		30cd HORN-STROBE		75cd HORN-STROBE		110cd HORN-STROBE		-		(I) TOTAL CURRENT	LENGTH FT.	21.6 ÷ CIR MILS = 14awg	VOLTS DROPPED ÷ 24(V) x 100	% VOLTAGE DROP			
		QTY.	AMP	QTY.	AMP	QTY.	AMP	QTY.	AMP	QTY.	AMP	QTY.	AMP	QTY.	AMP	QTY.	AMP	QTY.	AMP								
RPS	S1	5	0.215		0.000	2	0.214		0.000		0.000		0.000		0.000		0.000		0.000	0.429	110	21.6	4110	0.248	24	100	1.0

I x FEET x 21.6 = VOLTAGE DROPPED C.M.
 I = TOTAL CIRCUIT CURRENT
 FEET = ONE WAY DISTANCE IN FEET MEASURED FROM SOURCE TO THE LAST DEVICE
 21.6 = FORMULA CONSTANT
 C.M. = CROSS SECTIONAL AREA OF CONDUCTOR IN CIRCULAR MILS. SEE CHART BELOW

WIRE SIZE	WIRE RESISTANCE	CIR. MILS
AWG 12	1.59 PER 1000'	6530
AWG 14	2.52 PER 1000'	4110
AWG 16	4.02 PER 1000'	2580
AWG 18	6.39 PER 1000'	1620

VOLTAGE DROP CALCULATIONS - SPEAKER APPLIANCE CIRCUITS

PANEL ID	CKT #	1/4 WATT		1/2 WATT		1 WATT		2 WATT		-		-		-		-		(I) TOTAL CURRENT	LENGTH FT.	21.6 ÷ CIR MILS = 16awg	VOLTS DROPPED ÷ 24(V) x 100	% VOLTAGE DROP			
		QTY.	AMP	QTY.	AMP	QTY.	AMP	QTY.	AMP	QTY.	AMP	QTY.	AMP	QTY.	AMP										
AMP	V1	3	0.051	1	0.034	2	0.136	1	0.132		0.000		0.000		0.000		0.000	0.353	120	21.6	2580	0.355	24	100	1.5

I x FEET x 21.6 = VOLTAGE DROPPED C.M.
 I = TOTAL CIRCUIT CURRENT
 FEET = ONE WAY DISTANCE IN FEET MEASURED FROM SOURCE TO THE LAST DEVICE
 21.6 = FORMULA CONSTANT
 C.M. = CROSS SECTIONAL AREA OF CONDUCTOR IN CIRCULAR MILS. SEE CHART BELOW

WIRE SIZE	WIRE RESISTANCE	CIR. MILS
AWG 12	1.59 PER 1000'	6530
AWG 14	2.52 PER 1000'	4110
AWG 16	4.02 PER 1000'	2580
AWG 18	6.39 PER 1000'	1620

Global Project Values:
 Project Name: Standby Hours:
 Project ID: Alarm Mins:
 Prepared By: Derating Factor:
 Date: Voltage Drop Warning Threshold %:

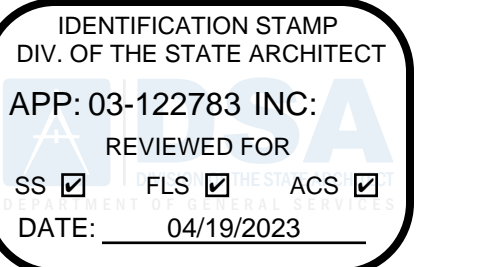
FCI E3
Version 04.16.18

Panel ID: Model: IFP-300/ECS Fire Alarm Control Panel Max NAC Current: 3.0 Amps
 Location: Volts: 24 VDC Max Panel Current: 6.0 Amps

Part.#	Description	Qty	Current Draw Standby	Current Draw Alarm	Wire AWG & Type	Ohms Per 1000 Ft.	Length(ft) One-Way	Actual Ohms	Volts @ EOL	% Drop
FCI-E3	Fire Alarm Control Unit	1	0.190	0.250						
MS-7AF	PULL STATION	2	0.0006	0.0006						
ASD-LS3	SMOKE DETECTOR	8	0.0024	0.0576						
ATD-L3H	Heat detector	4	0.0012	0.0012						
NAC #1	Notification Appl Circuit		0.000	0.429	#14 Solid	2.52		0.00	20.40	0.00%
NAC #2	Notification Appl Circuit		0.000	0.353	#12 Solid	1.59		0.00	20.40	0.00%
NAC #3	Notification Appl Circuit		0.000	0.000	#12 Solid	1.59		0.00	20.40	0.00%
NAC #4	Notification Appl Circuit		0.000	0.000	#12 Solid	1.59		0.00	20.40	0.00%
Total Standby Current (Amps)			0.194	1.091	Total Alarm Current (Amps)					
Standby Time In Hours			24	0.250	Alarm Time In Minutes / 60		(15 Mins)			
Total Standby AH Required			4.661	0.273	Total Alarm AH Required					
Total Combined AH Required					4.93					
Multiply By The Derating Factor					1.20					
Minimum Battery AmpHours Required					5.92					

Battery size to be supplied **21 Ah (7AH x 3)**

DATE: 24 January 2023 TIME: 4:49 pm
 DRAWING FILENAME: 22-554 FA 103
 PATHNAME: G:\22554\EL\Sheets
 DRAFTER: CM01
 SAVE DATE: 1/24/2023 9:36:25 AM
 PLOT BY: Lee Keener
 PLOT DATE: 1/24/2023 4:49:21 PM
 DRAWING: G:\22554\EL\Sheets\22-554 FA 103.dwg
 DATE: 11/29/2022 TIME: 10:40:15 AM
 USER: D.S.J.K.



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT 781 EAST DAILY DRIVE CAMARILLO, CALIFORNIA 93010 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD. VENTURA, CA 93003

COMMISSIONED ARCHITECT

AMADÒR

2628 AGUIRA RD. 201 | AGUIRA HILLS CA, 91301 | 865-668-0334

CONSULTANT LUCCI & ASSOCIATES, INC. CONSULTING ELECTRICAL ENGINEERS 3251 CORTE MALPASO, #511 CAMARILLO, CA 93012-3074 (805) 389-6520 FAX (805) 389-6519

LUCCI & ASSOCIATES, INC. reserve their copyright and other property rights in these plans, drawings and documents. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the expressed written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

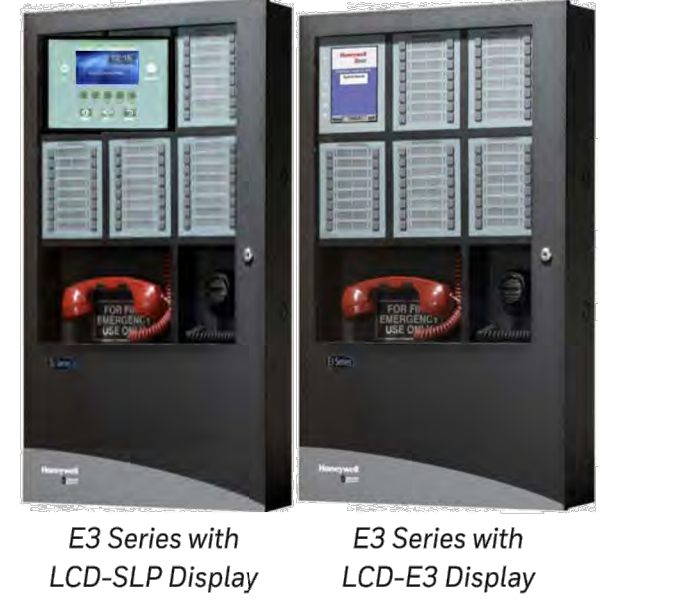
FIRE ALARM DATA SHEETS

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA DRAWN: D.S./L.K. CHECKED: K.L. SHEET NUMBER:

FA104

DATE: 11/29/2022 SHEET: OF

E3 SERIES® FIRE ALARM CONTROL PANEL Expandable Emergency Evacuation System



The E3 Series® fire alarm control panel is a flexible modular emergency evacuation fire system.

GENERAL The E3 Series® Expandable Emergency Evacuation System by Honeywell-FCI is in the forefront of the latest generation of fire alarm control panels. The E3 Series System is designed for use in virtually any application because it features a modular assembly that is configured per project requirements. Employing the new high-speed Velociti® sensors, the E3 Series provides previously unattainable polling speed and response together with the flexibility demanded by today's emergency evacuation systems. In addition to the sensors' high-speed polling rate, the Velociti Series of sensors feature bi-polar LEDs that flash green for normal polling, and light red steadily to indicate an alarm.

- Integral city connection
Up to 9 levels of sensitivity adjustment
Flexible 115,200 baud high speed RS-232 interface
40 character user-defined text per device
Supports the following:
+15 LCD-SLP display/annunciators
-6 LCD-E3 displays/annunciators
-5 LCD-7100/RAN-7100 remote LED annunciators per ILI-MB-E3/ILI95-MB-E3
Pois 31.8 devices in less than two seconds
Activates up to 159 outputs in less than five seconds
LED's blink associated device address during Walk Test.
Fully digital, high-precision protocol
Drift compensation
Pre-Alarm adjustable between 15 levels for both Alert and Action
Day/night automatic sensing adjustment
Sensitivity windows:
-1on 0.05 - 2% obscuration
-Photo 1 - 3% obscuration
-Laser 0.02 - 2% obscuration

FEATURES AND BENEFITS

- Offers Class B, Class A or Class X* signaling line circuits
IBC Seismic Certified
Listed under UL Standard 864, 10th Edition
Listed under UL Standard UL 2572 for Mass Notification
UL Listed for smoke control (dedicated and non-dedicated) when properly configured
UL Listed and FM Approved for Pre-action/Deluge and Agent Releasing
Provides two to 24a SLCs, each supporting 159 sensors, 159 modules and 159 addressable sounder bases
625K bits per second ARCNET communications using wire, fiber, or mixed configurations for installation flexibility
High-speed 32 bit processor and 81000 event history log
Advanced Boolean logic-based programming such as AND, OR, NOT, time delay and calendar functions configurable via computer programming
Supports up to (16), ASM-16 addressable switch or ANU-48 LED driver modules per ILI-MB-E3/ILI95-MB-E3
Two Class A or Class B notification appliance circuits rated at 2.0 amps. per circuit

GENERAL

A high-speed 32-bit processor can easily implement a wide array of applications used in small office buildings or used in multi-complex, high-rise installations. The 64 node networking is made possible by 625K bits per second ARCNET communications using twisted-pair copper cable, fiber-optic cable, or a combination of both. In addition, the Addressable Node Expander (ANX) board expands the network to 122 nodes. The basic E3 Series is equipped with the following modules:
- PM-9 Power Supply
- ASM-16 (Addressable Switch Module)
- ILI-MB-E3/ILI95-MB-E3 (Intelligent Loop Interface-Main Board)
- ILI-S-E3/ILI95-S-E3 (Intelligent Loop Interface-Expansion Board)
- LCD-E3 (LCD Keypad Display)

The ASM-16 features 16 software programmable switches, each accompanied by red, green and yellow LEDs that can be programmed to indicate the operation of the switches. Additional ASM-16 modules may be added to expand the operation to a plateau previously unimagined.
The Intelligent Loop Interface - Expansion Board (ILI-S-E3/ILI95-S-E3) provides the E3 Series control panel with two additional electrically isolated signaling line circuits. The layout is similar to the ILI-MB-E3/ILI95-MB-E3 with the exception that a number of components are omitted. It occupies one node on the Broadband network.
Each ILI-MB-E3/ILI95-MB-E3 can support as many as sixteen ANU-48 LED Driver modules supporting hundreds of LEDs on a third party graphic annunciator to use for remote annunciation. The ANU-48 modules may be installed in any Listed remote annunciator. It can be remotely located via an RS-485 serial interface. An array of cabinets allows for neat, compact, attractive installations.

INSTALLATION

The E3 Series Expandable Emergency Evacuation System offers four cabinet size options. A typical cabinet includes a backbox, an inner door, and an outer door. The E3 Series cabinet assembly is a compact 19 1/8" (49 cm) wide, wall-mounted enclosure.
Cabinet A includes the following four options:
- Cabinet A1 inner door mounted to the backbox. The backbox houses one NGA module.
- Cabinet A2 inner door mounted to the backbox. The backbox houses one LCD-E3 module.
- Two or three-bay inner door mounted to the backbox.
- The backbox typically houses one LCD-E3, or one NGA, and one or two ASM-16 modules.
Cabinet B contains a space for the following modules installed inside the backbox:
- ILI-MB-E3 - PM-9
- ILI95-MB-E3 - PM-9G
Additional module options mounted on the backbox include the following:
- ANX - DACT-E3
- ILI-S-E3 - ILI95-S-E3
- RPT-E3-UTP

The 2-bay inner door houses one LCD-E3 module and one ASM-16 module.
Both Cabinets C and D include the following:
- Pre-assembled outer door that provides visibility to the fire fighter's phone handset and a microphone voice messaging system.
- Two inner door panel selections that may contain optional modules to meet the facility operation requirements.

E3 SERIES® FIRE ALARM CONTROL PANEL TECHNICAL SPECIFICATIONS

System
Operating Voltage: 24 VDC
Operating Temperature: Not to exceed the range of 32°-120°F (0°-49° C)
Relative Humidity: Not to exceed 93%, non-condensing at 90° F (32° C)
Primary Power Supply: 9 amps @ 55 AH capacity
Temperature and Humidity Ranges
This system meets NFPA requirements for operation at 0 - 49°C/32 - 120°F, and at a relative humidity 93% ± 2% RH (noncondensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15 - 27°C/60 - 80°F.
Standards
The E3 Series fire alarm control panel is designed to comply with the following standards:
UL Standards
UL 864 10th Edition: Automatic Fire Detector Alarm Manual Fire Alarm Waterflow Alarm Supervisory Releasing Device Service Releasing/Pre-Action Deluge Releasing/Agent Releasing Automatic Smoke Alarm Non-coded and Master Coded Operation UUKL for Smoke Control UL 2572, 2nd Edition for Mass Notification Systems
NFPA Standards
NFPA 13 - Standard for Installation of Sprinkler Systems
NFPA 16 - Standard for Foam-Water Sprinkler and Foam Water Spray Systems
NFPA 72 - National Fire Alarm Code: Central Station Fire Alarm Systems Auxiliary Fire Alarm Systems Proprietary Fire Alarm Systems Local Fire Alarm Systems Remote Station Fire Alarm Systems
NFPA 13 Sprinkler
NFPA 12A Halon 1301
NFPA 15 Water Spray

E3 Series®, Velociti® Series and Gamewell-FCI® are registered trademarks of Honeywell International Inc.
UL® is a registered trademark of Underwriter's Laboratories Inc.
This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.
Country of origin: U.S.A.

Honeywell Gamewell-FCI
12 Clintonville Road
Northford, CT 06472-1610
203.484.7161
www.gamewell-fci.com
800.903.1711 | 06/20
©2020 Honeywell International Inc.



CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION OFFICE OF THE STATE FIRE MARSHAL FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM LISTING SERVICE



LISTING No. 7165-1703.0125 Page 1 of 2
CATEGORY: 7165 - FIRE ALARM CONTROL UNIT (COMMERCIAL)
LISTEE: GAMEWELL-FCI12 Clintonville Road, Northford, CT 06472
Contact: Lisa Brant (203) 484-6105 Fax (203) 484-7309 Email: lisa.brant@honeywell.com
DESIGN: Model E3 Series® BROADBAND and E3 Series® CLASSIC Voice Evacuation System. The E3 Systems may also work in conjunction with all the sub-assemblies of listee's 7100 Series Control Panel and NetSOLO systems (CSFM Listing No. 7165-1703.0105 and 6911-1703.0116, and 6911-1703.0118).
Unit conveys all fire alarm, audio evacuation, voice paging, and fire fighter communications. Power-limited; non-coded, automatic, manual, smoke control, water flow, sprinkler supervisory, local auxiliary, central station, remote station, and proprietary service. Refer to listee's data sheet for additional detailed product description and operational considerations.
System components:
ILI-MB-E3; Intelligent Loop Interface Master Board
PM-9, PM-9G; Power Supply
ILI-95-MB-E3, ILI-95-S-E3; Loop Interface Subassemblies
E3BB-FLUSH-LCD; Enclosure for ICD-E3
E3BB-BA-RA-BAA-RAA-BB-RB-BC-RC-BD; Cabinets
RPT-E3-FO; or Repeater Sub-assembly, Fiber Optic or
RPT-E3-UTP; Repeater Sub-assembly, Unshielded twisted pair wire
LCD-E3; LCD Keypad Display
*LCD-SLP; LCD Touchscreen Display Screen
DACT-E3 sub-assembly; Digital alarm communicator transmitter
ILI-S-E3; Intelligent Loop Unit, Expansion Board
ANX-SR, ANX-MR-FO, ANX-MR-UTP; Addressable Node Expanders Sub Assembly
INCC-E; Intelligent Network Enclosure
INCC; Intelligent Network Central Command
INI-VG, INI-VGC-UTP, INI-VGC-FO, INI-VGX-UTP; Intelligent Network Interface Sub Assembly
INI-VGX-FO, INI-VGE-UTP, INI-VGE-FO; Intelligent Network Interface Sub Assembly
ASM-16; Annunciator Switch Sub Assembly
INX; Network Audio Transponder Enclosure
ANU-48; Annunciator Sub-Assembly
NGA; Touch Screen LCD Display Sub Assembly
LCD-7100; Remote LCD Display
SBB-C4, SBB-D4; Backbox
*Revision 09-18-20 VVVV

This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other

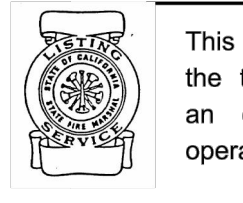
Date Issued: July 01, 2022 Listing Expires June 30, 2023
Authorized By: VICTOR WONG, Program Coordinator
Fire Engineering Division

Listing No. 7165-1703.0125 Page 2 of 2

FCI-VDR-D4B, FCI-DR-C4B, FCI-CR-D4B; Doors with locks
AA-100, AA-120; Amplifiers
AM-50-25, AM-50-70; Amplifier Sub Assembly
CHG120; Battery Charger with Cabinet
BC-1/FCI-LBB; Backbox
IPDACT-2; IP Digital Alarm Communicator
FPJ; Firefighters' Telephone Jack Receptacle
FHS; Portable Firefighters' Telephone Handset
7100 Series#; Fire Alarm Control Panel or
INI-7100 UTP#; Intelligent Network Interface Sub-assembly, [Twisted, unshielded wire] or
INI-7100 FO#; Intelligent Network Interface
RATING: 120 V, 60 Hz, 3.5 A Primary; 24 V dc, 9A Secondary
INSTALLATION: In accordance with listee's printed installation instructions, NFPA 72, applicable codes and ordinances, and in a manner acceptable to the authority having jurisdiction.
MARKING: Listee's name, model designation, electrical rating, and UL label.
APPROVAL: Listed as fire alarm control unit for use with separately listed electrically and functionally compatible initiating and indicating devices. Suitable for high-rise applications when used with the above voice evacuation systems.
This control unit can generate a distinctive three-pulse Temporal Pattern Fire Alarm Evacuation Signal (for total evacuation) in accordance with NFPA 72.
This control unit meets the requirements of UL Standard 864, 9th Edition.
NOTE: For Fire Alarm Verification Feature (delay of alarm signaling), the Retard/Reset/Restart period shall be 30 seconds or less.
*Revision 09-18-20 VVVV

This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other

Date Issued: July 01, 2022 Listing Expires June 30, 2023
Authorized By: VICTOR WONG, Program Coordinator
Fire Engineering Division



CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM
LISTING SERVICE



LISTING No. 7300-1645.0511 Page 1 of 1
CATEGORY: 7300 - FIRE ALARM CONTROL UNIT ACCESSORIES/MISC. DEVICES
LISTEE: ADEMCO INC.2 Corporate Center Drive, Melville, NY 11747
Contact: Issa Khouryaward (516) 577-2312 Fax (516) 577-3540
Email: issa.khouryaward@resideo.com
DESIGN: Models HWF2A-COM and HWF2V-Com Commercial Internet and LTE Communicator. The unit uses the Internet as its primary reporting path, and switches to cell service (secondary path as backup) when the Internet is not available. *The units are transmitters that captures DACT communication from a host panel and converts to IP and/or Cellular for transmission to the receiving station. Units also have the option for IP Only or Cellular only without a backup path.
Refer to listee's product specification data sheets and installation, operation, and maintenance manual for detailed product description and operational considerations.
RATING: Primary - 120 VAC, 60 Hz
Secondary - 18 VAC, 5 VA
INSTALLATION: In accordance with listee's printed installation instructions, applicable codes & ordinances and in a manner acceptable to the authority having jurisdiction.
MARKING: Listee's name, model number, electrical rating, and UL label.
APPROVAL: Listed as a control unit accessory for use with separately listed compatible commercial fire alarm control units. Refer to listee's installation Instruction Manual for details.

*Rev 08-01-19 gt



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other

Date Issued: **July 01, 2022** Listing Expires **June 30, 2023**
Authorized By: **VICTOR WONG, Program Coordinator**
Fire Engineering Division

HWF2-COM Series

Technical Specifications

ELECTRICAL

Transformer:
Primary: 120VAC, 60Hz, 0.5A
Secondary: 18VDC, 50VA
Battery:
One 12 V 7.0 AH lead-acid battery (not supplied)
Battery charging current:
1 Amp maximum
Battery discharge current:
Standby 210mA, Active 290mA

CABINET SPECIFICATIONS

Dimensions:
14.875" H x 12.75" W x 3.0" D
(37.8cm H x 32.4cm W x 7.6cm D)
Color: Red

SHIPPING DIMENSIONS

Weight: 5.3 lbs (6.94kg)
Dimensions:
15.875" H x 13.79" W x 9.25" D
(39.7cm H x 34.9cm W x 23.9cm D)

TEMPERATURE AND HUMIDITY RANGES

This system meets NFPA requirements for operation at 0-49° C/32-120° F and at a relative humidity 93% +/- 2% RH (noncondensing at 32° C + 2° C (90° F + 3° F). However the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15-27° C/60-80° F.

PRODUCT LINE INFORMATION

HWF2V-COM: LTE® Digital Cellular Fire Alarm Communicator and Internet Panel, Verizon® LTE/IP
HWF2A-COM: LTE Digital Cellular Fire Alarm Communicator and Internet Panel, AT&T® LTE/IP
Both models include:
Red cabinet with key and lock
Wall outlet box
Dialer capture module
LTE communications module
Antenna and mounting adapter
PowerBoost1 power supply
LED display board
Transformer
Manual and required screws
Cables, etc.

ANTENNA AND EXTERNAL HARDWARE

CELL-ANT3DB: 3dB gain antenna
WA7626-CA: SMA to N adapter cable
7626-50HC: 50 ft. antenna cable, low loss
Note: The WA7626-CA adapter cable and 7626-50HC antenna cable are only required when installing the CELL-ANT3DB antenna remotely.

OTHER ACCESSORIES

7720P: HWF2V-COM, HWF2A-COM and IPGSM-4G handheld programmer
HPTCOVER: Plug-in transformer box for HWF2V-COM, HWF2A-COM, and IPGSM-4G communicators
BAT-1270: Battery 12 Volts, 7AH, sealed

AGENCY LISTINGS AND APPROVALS

The listings and approvals below apply to the HWF2-COM Series communicators. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult the factory for latest listings.
UL Listed: S789
CSFM: 7300-1645.0511
FDNY: Approved



HWF2-COM Series

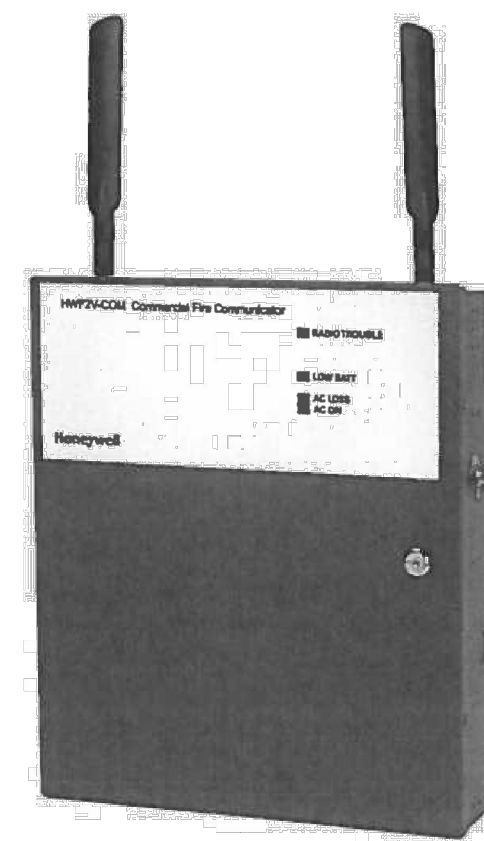
LTE®/IP Single or Dual Path Commercial Fire Communicators

The HWF2-COM Series LTE/IP fire communicators are single or dual path commercial fire alarm communicators that offer Contact ID reporting with any FACP (fire alarm control panel) with a built-in dialer.

Models include:
HWF2A-COM (AT&T® LTE and IP)
HWF2V-COM (Verizon® LTE and IP)

Both models connect directly to the primary or secondary communication ports of a fire panel's digital alarm communicator transmitter (DACT).

Three selectable reporting paths include: LTE cellular only, IP only, or IP primary with LTE cellular backup. All signals from the HWF2-COM Series are delivered to the AlarmNet® network control center which routes highly encrypted, cyberscured data packets via a customer-provided Internet connection or LTE cellular network to the appropriate central station. The AlarmNet network control center is fully redundant and monitored 24/7. Installation and programming are easy using the handheld 7720P Programming tool.



HWF2-COM Series:
HWF2A-COM and HWF2V-COM

Features & Benefits

- LTE and IP connection tested every day
- Three selectable reporting paths: LTE cellular only, IP only, or IP Primary with LTE cellular backup
- Requires no change to the existing FACP configuration
- Connects directly to the primary and secondary telephone ports of a DACT
- 15 choices range from 5 minute, 8 minute, 6 hour, and 24 hour supervision intervals
- Operates over hardened Ethernet @LTE
- Works over any type of customer provided Ethernet 10/100 based network connection (LAN or WAN), DSL model or cable modem
- Data transmits over standard Contact ID protocol but is secured with the industry's advanced encryption standard (AES 256 bit)
- Supports both dynamic (DHCP) or public and private Static IP addressing
- Reliable connection: IP and cellular connection tested every day
- Built-in, standalone power supply module. Onboard charging circuit design accommodates battery backup. Includes primary power and battery supervision
- Diagnostic LEDs indicate signal strength and status
- Choice of LTE provider services
- QOS: Quality of Service diagnostics via AlarmNet conveys vital communicator information including signal strength, message path used, and when the message was received
- 7720P Handheld programmer for easy setup

HWF2-COM Series

Ordering

HWF2A-COM	LTE® and IP Commercial Fire Communicator, AT&T®
HWF2V-COM	LTE and IP Commercial Fire Communicator, Verizon®

HWF2-COM Series

The HWF2-COM LTE/IP fire communicators operate over Verizon® and AT&T® cellular networks.

They connect to any customer provided Ethernet 10/100 base network connection (LAN or WAN), DSL or cable modem. Selectable reporting path feature allows the radios to be configured for a single or dual path, while providing appropriate supervision intervals based on NFPA 72 requirements. Selectable paths and supervision timing intervals include:

SELECTABLE PATH	DESCRIPTION	SUPERVISION TIMES
2010 Cell	Single path, cellular	5 Minutes
2010 IP	Single path, IP	5 Minutes
2010 IP & Cell	Dual path, IP, & cellular	24 Hours
2013 Cell	Single path, cellular	60 Minutes
2013 IP	Single path, IP	60 Minutes
2013 IP & Cell	Dual path, IP, & cellular	6 Hours

OPERATION

When an event occurs, the FACP goes off-hook to dial the central station. The HWF2-COM Series dialer capture module detects the off-hook condition and provides the fire panel with a dial tone. When the fire panel detects the dial tone, it begins dialing the central station.

After the dialing is completed, the dialer capture module returns a signal to the fire panel. The fire panel then sends the Contact ID reports to the dialer capture module, which in turn sends a signal after the report is successfully received from the fire panel. The dialer capture module sends the Contact ID reports to the HWF2-COM Series communications module. When all the reports are sent, the fire panel goes on-hook. The HWF2-COM Series communications module then transmits the messages to the central station either over the LTE network or the Internet (depending on configuration).

FIRE COMMUNICATOR/PANEL CAPABILITY

The HWF2-COM Series is compatible with fire alarm control panels that use the Contact ID communications format as described in the SIA DC-05 standard.

EASY TO PROGRAM

The HWF2-COM communicator can be pre-programmed using the 7720P programmer to enter all central station information. This is saved to the HWF2-COM communicator memory. When the HWF2-COM is installed at the site and connected to the Internet/Intranet, it registers with the AlarmNet® Receiver.

For most installations, the only required parameters are:
• Primary City ID (two digits), obtained from your monitoring station
• Primary Central Station ID (two digits), obtained from your monitoring station
• Primary Subscriber ID (four digits), obtained from your monitoring station
• Communication Module MAC ID, and MAC CRC number located on the outside of the box and inside of the module
All parameters are assigned by the monitoring station.

ALARMNET

AlarmNet communications technology provides a highly reliable alternative for the transmission of alarm signals. The network provides extensive coverage in the United States and Canada. The AlarmNet Network Control Center processes signals from powerful servers in multiple locations equipped with 24/7 infrastructure support. Redundant hardware servers, real-time backup databases, and generators with battery backup at all locations ensure continuity of service. Signals from AlarmNet are transmitted to central station receivers using multiple communication paths consisting of the Internet, LTE radio network, or toll free plain old telephone service (POTS).

INSTALLATION REQUIREMENTS, UL COMPLIANCE

To meet UL864/NFPA requirements, ensure the following:
• HWF2-COM Series must be installed in accordance with the National Fire Protection Association (NFPA) standards 70 and 72.
• HWF2-COM Series must be mounted in the same room and within 20 feet of the fire panel.
• HWF2-COM Series and all equipment used for the IP connection (e.g., router, hub, modem, etc) must be UL-listed, powered from an unswitched branch circuit, and be provided with appropriate standby power.
• HWF2-COM Series must use the 7AH battery (not included) to provide 24 hour backup capability.
• The Telco line wiring and the Power Transformer wiring must be routed through conduit.

resideo
Resideo Technologies, Inc.
2 Corporate Center Drive, Suite 100
P.O. Box 9040
Melville, NY 11747
Office: 1-800-645-7492

For more information
visit resideo.com

LHWF2COMDSB1 NM 1/09/22
© 2022 Resideo Technologies, Inc.

All rights reserved. The Honeywell trademark is used under license from Honeywell International, Inc. This product is manufactured by Resideo Technologies, Inc. and its affiliates.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC:
REVIEWED FOR:
SS FLS ACS
DATE: 04/19/2023



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
781 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
4667 TELEGRAPH RD.
VENTURA, CA 93003

COMMISSIONED ARCHITECT

AMADOR

2628 AGOURA RD. 203 | AGOURA HILLS CA, 91301 | 866-568-4264

CONSULTANT
LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-8074
(805) 389-6520 FAX (805) 389-6519

LUCCI & ASSOCIATES, INC. reserve their copyright and other property rights in these plans. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the express written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

FIRE ALARM DATA SHEETS

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
DRAWN: D.S./L.K. CHECKED: K.L.
SHEET NUMBER:

FA105

DATE: 11/29/2022 SHEET: OF

DATE: 24 January 2023
 TIME: 4:49 pm
 PLOT DATE: 1/24/2023 4:49:45 PM
 DATE: 22-554 FA 106
 TIME: 1/19/2023 9:24:40 AM
 DRAWING FILENAME: 22-554 FA 106
 SAVE DATE: 1/19/2023 9:24:40 AM
 DRAWING FILENAME: 22-554 FA 106.dwg
 DRAFTER: CM01
 PLOT BY: Lee Keener
 PATHNAME: G:\22554\EL\Sheets

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
 OFFICE OF THE STATE FIRE MARSHAL
 FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM
LISTING SERVICE



LISTING No. 7150-1703:0170 Page 1 of 1
 CATEGORY: 7150 -- FIRE ALARM PULL BOXES
 LISTEE: GAMEWELL-FCI12 Clintonville Road, Northford, CT 06472
 Contact: Lisa Brant (203) 484-6105 Fax (203) 484-7309
 Email: lisa.brant@honeywell.com
 DESIGN: Model MS-7ASF fire alarm single action pull station and MS-7LR*, MS-7LRA* fire alarm pull boxes intended for agent releasing device. Refer to listee's data sheet for detailed product description and operational considerations.
 INSTALLATION: In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.
 MARKING: Listee's name, model number, rating, and UL label.
 APPROVAL: Listed as fire alarm pull boxes for use with separately listed compatible fire alarm control units. Refer to listee's Installation Instruction Manual for details.
 * These manual pull boxes meet the requirements of UL Standard 38, 1999 Edition and California amendments.
 XLF: 7150-0028:0199

*Updated 09-17-09 fm



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other

Date Issued: **July 01, 2022** Listing Expires **June 30, 2023**
 Authorized By: **VICTOR WONG, Program Coordinator**
 Fire Engineering Division



MS-7



NON-CODED MANUAL
 FIRE ALARM STATIONS



Description
 The MS-7 Series Manual Fire Alarm Stations are available in a wide variety of configurations. They meet the requirement of the Americans with Disabilities Act (ADA) of a 5-lb maximum pull force to activate. Operating instructions are molded into the handle along with Braille text. All stations have a key lock/reset which is keyed alike with FCI fire alarm control panels and manual fire alarm stations.

MS-7A Addressable Station
 The MS-7A Addressable Station is a double action station designed for installation in the signaling line circuit of any FCI analog addressable control panel. Activation of the station causes its assigned address to register at the control panel. The signaling line circuits of FCI analog addressable panels are designed to accommodate up to 98 addressable stations per circuit.
 The door contains an LED which flashes red in normal condition and lights steadily when the station has been activated. The station features screw terminals.

MS-7 Double Action Station
 The MS-7 double action station is intended for use with conventional fire alarm control panels. It features a set of single pole contacts and screw terminals for connection to an initiating circuit.

MS-7S Single Action Station
 The MS-7S single action station is intended for use with conventional fire alarm control panels. It features a set of single pole contacts and wire leads for connection to an initiating circuit.

MS-7SP Double Action Station
 The MS-7SP is a double action station similar to the MS-7 station, with the additional feature of both English and Spanish instructions molded into the unit.

MS-7LOB Double Action Station (Listed for Outdoor Applications)
 The MS-7LOB station must be mounted on a Model WBB backbox. In retrofit applications, the station is UL Listed for use with the WP-10 backbox. It is intended for use with conventional control panels and has a set of single pole contacts and screw terminals.

Mounting
 The MS-7 interior stations may be surface (backbox SB-10) or semi-flush mounted on a standard double-gang, or 4-inch (10.16 cm) square electrical box. An optional trim ring (BG-TR) may also be used for semi-flush mounting.

FEATURES

- Addressable Versions Compatible With All FCI Analog Addressable Fire Alarm Controls
- Conventional Versions Suitable for Use With any UL Listed Control Panel
- Both Single and Double Action Versions
- Tumbler Lock for Test and Reset Keyed Alike With FCI Controls
- Surface or Semi-Flush Mounting
- Shock and Vibration Resistant
- Versions (MS-7LOB) Listed for Outdoor Applications
- Meets ADA Pull Force Requirements

16 Southwest Park, Westwood, MA 02090 USA TEL: (781) 471-3000 FAX: (781) 471-3099
 9020-0522 / Ver. 1.1

AGENCY APPROVALS

UL (Standard 38)	File S2465
CSFM	Approved
NYC-MEA	MEA 67-02-E Vol. II
Factory Mutual Research	3014708

SPECIFICATIONS

Material	Lexan
Contact Ratings	0.25 amp @ 30 VAC/VDC (resistive)
Dimensions	5 5/8" H x 4 1/4" W x 1 1/4" D (14 x 10.1 x 3.2 cm)
Operating temperature (MS-7A)	32 to 120° F (0 to 49° C)
Relative humidity (MS-7A)	10 to 93% non-condensing
Supervisory current (MS-7A)	.00030 amp.

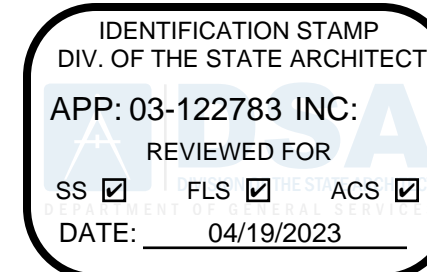
ORDERING INFORMATION

Part No.	Model	Description
1100-0430	MS-7	Double action station
1100-0431	MS-7A**	Addressable double action station
1100-0432	MS-7S	Single action station, wire leads
1100-0433	MS-7SP	Double action station, English and Spanish instructions
1100-0434	MS-7LOB	Double action station, outdoor use. Must use WBB Backbox
1100-0437	WBB	Back box, MS-7LOB
1100-0436	SB-10	Surface backbox
1100-0435	BG-TR	Trim ring for semi-flush mount

**For use with FCI analog addressable control panels only.

Specifications are provided for information only, are not intended to be used for installation purposes, and are believed to be accurate. However, no responsibility is assumed by Fire Control Instruments, Inc. for their use. Specifications subject to change without notice. © 2001 All Rights Reserved

DIVISION OF THE STATE ARCHITECT



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 781 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
 VENTURA, CA. 93003

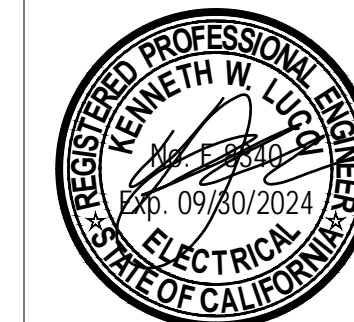
COMMISSIONED ARCHITECT

AMADOR

2028 AGOURA RD. 203 | AGOURA HILLS CA, 91301 | 866-568-4534

CONSULTANT
LUCCI & ASSOCIATES INC.
 CONSULTING ELECTRICAL ENGINEERS
 3251 CORTE MALPASO, #511
 CAMARILLO, CA 93012-8074
 (805) 389-6520 FAX (805) 389-6519
 LUCCI & ASSOCIATES, INC. reserve their commonlaw copyright and other property rights in these plans. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the express written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

FIRE ALARM DATA SHEETS

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA

DRAWN: D.S./L.K. CHECKED: K.L.

SHEET NUMBER:

FA106

DATE: 11/29/2022 SHEET: ___ OF ___

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM
LISTING SERVICE



Page 1 of 1

LISTING No. 7272-1703.0504

CATEGORY: 7272 -- SMOKE DETECTOR-SYSTEM TYPE-PHOTOELECTRIC

LISTEE: GAMEWELL-FCI 12 Clintonville Road, Northford, CT 06472
Contact: Lisa Brant (203) 484-6105 Fax (203) 484-7309
Email: lisa.brant@honeywell.com

DESIGN: Model ASD-LS3 addressable intelligent photoelectric smoke detector. Refer to listee's printed data sheet for additional detailed product description and operational considerations.

RATING: 24 VDC

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.

MARKING: Listee's name, model number, electrical rating, and UL label.

APPROVAL: Listed as photoelectric smoke detector for use with System Sensor base models B200S, B200S-WH, B200S-IV, B200SR, B200SR-WH, B200SR-IV (CSFM Listing 7300-1653:0213), B200S-LF, B200S-LF-WH, B200S-LF-IV, B200SR-LF, B200SR-LF-WH, B200SR-LF-IV (CSFM Listing 7300-1653:0238), B210LP, B300-6, B300-6-IV, B300-6-IS, B501, B501-BL, B501-IV, B501-WHITE (CSFM Listing 7300-1653:0109), B224BI, B224BI-WH, B224BI-IV, B224RB, B224RB-WH, B224RB-IV (CSFM Listing 7300-1653:0126), System Sensor duct smoke detector housing models DNR, DNRW, DNRHS (CSFM Listing 3242-1653:0209), and separately listed compatible fire alarm control units. For wall and ceiling mount. Suitable in open areas with air velocities up to 4000 ft/min. Suitable in duct applications with air velocities up to 4000 ft/min. Refer to Manufacturers Installation Instruction Manual for details.

XLF: 7272-0028:0506

08-01-18 gt



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other

Date Issued: **July 01, 2022** Listing Expires **June 30, 2023**

Authorized By: **VICTOR WONG, Program Coordinator**
Fire Engineering Division

Velociti® Series 3, ASD-LS3 Technical Specifications

SYSTEM

Physical/Operating Specifications:
Height: 2.0 inches (51 mm) installed in B300-6 base
Diameter: 6.2 inches (156 mm) installed in B300-6 base
4.1 inches (104 mm) installed in B501-WHITE/-IV/-BL base
Weight: 3.4 oz (95 g)
Operating Temperature Range: 14°F to 140°F (-10°C to 60°C)
Operating Humidity Range: 10% to 93% relative humidity, non-condensing
Air Velocity: 0 to 4,000 fpm (0 to 1219 m/minute)
Isolator Load Rating: 0.0063"
Self Diagnostics: Initiated by control panel
Activated by test magnet
Smoke Sensitivity: 9 levels: 0.02, 0.03, 0.05, 0.10, 0.20, 0.50, 1.00, 1.50, 2.00%/ft obscuration (0.06, 0.10, 0.16, 0.33, 0.66, 1.65, 3.24, 4.85, 6.41%/m obscuration)
Drift Compensation: High sensitivity maintenance alert signal
Low sensitivity maintenance alert signal
Maintenance urgent signal

Electrical Specifications:
Operating Voltage Range: 15 to 32 VDC
Operating Current: @ 24 VDC 300 µA (one communication every 5 seconds with green LED blink on communication)
Maximum Current: 4.5 mA @ 24 VDC (one communication every 5 seconds with amber LED solid on)
Maximum Alarm Current: 2 mA @ 24 VDC (one communication every 5 seconds with red LED solid on)

STANDARDS

The Velociti® Series 3, ASD-LS3, High Sensitivity Photoelectric Spot Detector is designed to comply with the following standard:

UL STANDARD
UL Standard: UL 864 9th Edition
AGENCY LISTINGS AND APPROVALS

These listings and approvals apply to the detectors specified in this document. In some cases, certain detectors or applications may not be listed by certain approval agencies, or listing may be in process. Consult the factory for the latest listing status.

UL Listed: UL 268 listed for Open Air Protection (0.5%/ft. to 2.0%/ft. obscuration)
UL 268 listed for Special Applications (0.02%/ft. to 0.5%/ft. obscuration)
UL 268A listed for Duct Applications

FM Approved: 450564
CSFM: 7272-1703:0504
ISO 9001 Certification

For a complete listing of all compliance approvals and certifications, please visit: <http://www.gamewell-fci.com/en-US/documentation/Pages/Listings.aspx>

UL® is a registered trademark of Underwriter's Laboratories Inc.

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For more information
Learn more about Gamewell-FCI's Velociti® Series 3, ASD-LS3 and other products available by visiting www.Gamewell-FCI.com

Honeywell Gamewell-FCI
12 Clintonville Road
Northford, CT 06472-1610
203.484.7161
www.honeywell.com

8021-610331 B | 08/18
©2018 Honeywell International Inc.



Honeywell | Addressable Devices

Velociti® Series 3, ASD-LS3

High-Sensitivity Photoelectric Spot Detector

General

The Velociti® Series 3, ASD-LS3 is a high-sensitivity photoelectric smoke detector designed for Very Early Warning Fire Detection. It is used to protect valuable assets and operations, where systems must remain functioning at all times.

The high-sensitivity detector features a smoke-sensing chamber and patented optic block designed to amplify signals from smoke, but diminish stray internal reflections that can cause false alarms. New LED technology allows the Velociti® Series 3, ASD-LS3 to achieve sensitivity levels from 0.02 percent-per-foot to 2 percent-per-foot obscuration – up to 25 times greater than a standard photoelectric detector. The extensive software processing includes multi-alert drift compensation, internal self-diagnostics, and superior transient signal rejection algorithms to produce unprecedented stability at ultra-high sensitivities across the full temperature range. The Velociti® Series 3, ASD-LS3 provides point identification of the fire location through addressability and offers complete supervision of both the wiring and detector.

The Velociti® Series 3, ASD-LS3 detector complies with the following UL Standards:

- UL® 268 listed for Open Air Protection (0.5%/ft. to 2.0%/ft. obscuration)
- UL® 268 listed for Special Applications (0.02%/ft. to 0.5%/ft. obscuration)
- UL® 268A listed for Duct Applications allowing both in duct and within System Sensor models DNR and DNRW duct smoke detectors

In addition, the new modern profile blends seamlessly with other Velociti Series 3 detectors, and offers expanded color options that support contemporary aesthetic demands.

The Velociti® Series 3, ASD-LS3, is the ideal detection solution for sensitive environments that cannot tolerate even small amounts of smoke:

- Telecommunications switching facilities
- Cellular telephone infrastructure
- Integrated circuit fabrication facilities
- Computer rooms
- Traffic control centers
- Data Centers

FEATURES & BENEFITS

- Provides superior EMI protection
- Supports Analog communications
- Contains rotary address switches
- Has dual LEDs for 360° visibility
- Includes On-board drift compensation
- Uses Transient rejection algorithms
- Employs a Microprocessor design either Velociti® or CLIP protocol
- Offers new modern profile with expanded color options



ASD-LS3

Accessories



Figure 1 RA100Z (Remote LED Annunciator)



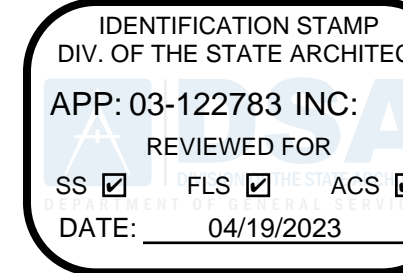
Figure 2 CK300-BL Color Kit



Figure 3 TR300 Trim Ring

Ordering Information

Part Number	Description	
White	Ivory	Black
ASD-LS3		High sensitivity photoelectric smoke detector (laser replacement)
BASES		
B501-WHITE	B501-IV	B501-BL
		4" Mounting base, bulk pack
B300-6	B300-6-IV	
		6" Flanged mounting base, bulk pack
B300-6-BP		
		6" Flanged mounting base, bulk pack
B200S-WH	B200S-IV	
		Intelligent sounder base
B200S-LF-WH	B200S-LF-IV	
		Intelligent sounder base, low frequency
B200SR-WH	B200SR-IV	
		Intelligent sounder base
B200SR-LF-WH	B200SR-LF-IV	
		Intelligent sounder base, low frequency
B224RB-WH	B224RB-IV	
		Relay base
B224BI-WH	B224BI-IV	
		Isolator base
Accessories		
	SMB600	Surface Mounting Kit (flanged)
TR300	TR300-IV	Trim ring
CK300	CK300-IV	CK300-BL Color Kit (includes cover and trim ring)
	RA100Z	RA100Z Remote LED annunciator
MO2-04-01		Detector test magnet
MO2-09-00		Telescoping test magnet



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT

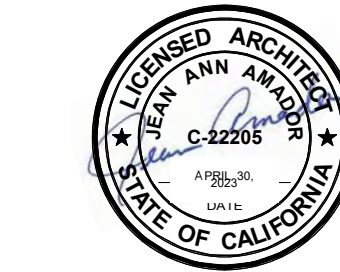
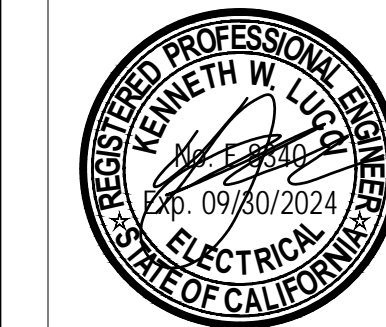
AMADÒR

2828 AGOURA RD. 203 | AGOURA HILLS CA, 91301 | 865-568-4234

CONSULTANT
LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519

LUCCI & ASSOCIATES, INC. reserve their common law copyright and other property rights in these plans. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the express written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

FIRE ALARM DATA SHEETS

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
DRAWN: D.S./L.K. CHECKED: K.L.

FA107

DATE: 11/29/2022 SHEET: OF



LISTING SERVICE

Page 1 of 1

LISTING No. 7270-1703:0502

CATEGORY: 7270 – HEAT DETECTOR

LISTEE: GAMEWELL-FCI12 Clintonville Road, Northford, CT 06472
Contact: Lisa Brant (203) 484-6105 Fax (203) 484-7309
Email: lisa.brant@honeywell.com

DESIGN: Models ATD-L3, ATD-L3H (fixed temperature) and ATD-L3R (fixed temperature with Rate-of-Rise) electronic heat detectors. Suffix -IV for ivory color and -BL for black color. Refer to listee's data sheet for additional detailed product description and operational considerations.

RATING: Model ATD-L3 (fixed temperature): 135°F.
Model ATD-L3H (fixed temperature): 190°F.
Model ATD-L3R (fixed temperature with rate of rise): 135°F.

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.

MARKING: Listee's name, model number, electrical ratings, and UL label.

APPROVAL: Listed as heat detectors for use with Notifier base B710LP (CSFM#7300-0028-173); System Sensor bases B501, B210LP, B300-6, B300-6-IS (CSFM#7300-1653:0109), B224BI, B224RB (CSFM#7300-1653:0126), B200S, B200SR (CSFM#7300-1653:0213), B200S-LF, B200SR-LF (CSFM#7300-1653:238); and separately listed compatible fire alarm control units. Refer to listee's Installation Instructions Manual for details.

XLF: 7270-0028:0502

02-01-18 gt



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other

Date Issued: **July 01, 2022** Listing Expires **June 30, 2023**

Authorized By: **VICTOR WONG, Program Coordinator**
Fire Engineering Division

Velociti® Series 3 Detectors Technical Specifications

SYSTEMS

Thermal Intelligent Detector
Physical Specifications
Height: 2.0 inches (51 mm) installed in B300-6 base
Diameter:
6.1 inches (15.6 cm) installed in B300-6 base
4 inches (10.2 cm) installed in B501 base
Shipping Weight: 3.4 oz (95 g)
Operating Temperature Range:
Thermal 135° F fixed: -4° F to 100° F (-20° C to 38° C)
Thermal 135° F Rate-of-rise: -4° F to 100° F (-20° C to 38° C)
Thermal 190° F Rate-of-rise: -4° F to 135° F (-20° C to 57° C)
Operating Humidity Range: 10% to 93% non-condensing
Rate-of-Rise Detection: Responds to greater than 1.5°F/minute or 1.35°F (8.3° C)/minute or 57°C
Electrical Specifications
Voltage Range: :15 to 32 VDC
Standby Current (@ 24 VDC): 200 uA (one communication every 5 seconds with green LED enabled)
Max Alarm Current (max.): : 2 mA @ 24 VDC (one communication every 5 seconds with red LED enabled)
Max Current (max.): : 4.5 mA @ 24 VDC (one communication every 5 seconds with amber LED enabled)
Isolator Load Rating: : 0.0063

STANDARDS

The Velociti® Series 3 Thermal Detectors are designed to comply with the following standard:
UL Standard: UL 268
AGENCY LISTINGS AND APPROVALS
These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.
UL: S23232
FM: 3023594
MEA-FDNY: 219-02-E Vol VI
CSFM: 7270-1703-0502
ISO 9001 Certification

For a complete listing of all compliance approvals and certifications, please visit:
<http://www.gamewell-fci.com/en-US/documentation/Pages/Listings.aspx>

E3 Series® "Velociti" and Gamewell-FCI are registered trademarks and CLIP™ is a trademark of Honeywell International Inc.

UL® is a registered trademark of Underwriter's Laboratories Inc.
This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For more information
Learn more about Gamewell-FCI's Velociti® Series 3 Detectors and other products available by visiting www.Gamewell-FCI.com

Honeywell Gamewell-FCI
12 Clintonville Road
Northford, CT 06472-1610
203.484.7161
www.honeywell.com

9020-0020 | G | 04/2018
©2018 Honeywell International Inc.



Velociti® Series 3 Detectors

Thermal Detectors

Description

The Gamewell-FCI Velociti® Series 3 intelligent thermal detectors with integral communication provide point location for alarm communication and selective maintenance. Designed in a modern bright white color, the Velociti Series 3 is aesthetically pleasing for today's contemporary buildings.

The Velociti Series 3 heat detectors are intelligent addressable detectors with point ID capability that enable each detector address to be set with rotary address switches providing exact device locations. The thermal detector continually monitors the detected temperature and reports it to the fire alarm control panel. The modern design and expanded color options support a variety of contemporary aesthetic demands. In addition, each detector is constructed for exceptional installation and maintenance efficiency. Velociti Series 3 thermal detectors provide cost-effective, intelligent property protection using the following single thermostat:

- ATD-L3 offers 135°F fixed thermal detection.
- ATD-L3R offers 135°F fixed and rate-of-rise thermal detection.
- ATD-L3H provides fixed high-temperature detection at 190°F.

For legacy installations, service detectors are available in the classic ivory color that will operate in both Velociti and CLIP protocol for backwards compatibility. Service models are designated by the -IV part number that appears after the detector model.

Note: The E3 Series® and S3 Series panels support both the Velociti® and CLIP™ protocols, and the GWF-7075 panel supports only the Velociti® protocol. To obtain a complete list of panels that are listed to Velociti Series 3 detectors, refer to the Compatibility Addendum for Gamewell-FCI Manuals, P/N9000-0427-L8.



Thermal Detector

FEATURES & BENEFITS

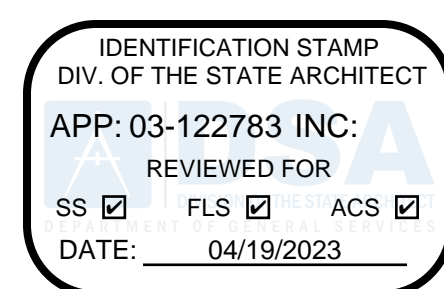
- Complies with UL® 268 7th Edition
- Designed with a new profile to offer modern and improved aesthetics
- Contains a built-in functional test switch activated by an external magnet
- Supports a low standby current
- Provides rotary address switches (01-159)
- Supplies optional relay, isolator, or sounder bases (standard or low frequency)
- Includes dual LEDs used for 360° visibility
- Offers expanded color options

Ordering Information

NOTE: -IV suffix indicates Ivory color model.
NOTE: -BL suffix indicates Black color model.
NOTE: -WH suffix indicates Bright White color model.
ATD-L3: Thermal heat detector, 135°F fixed, bright white, Velociti
ATD-L3-IV: Thermal heat detector, 135°F fixed, ivory, Velociti/CLIP
ATD-L3R: Thermal heat detector, 135°F rate of rise, bright white, Velociti
ATD-L3R-IV: Thermal heat detector, 135°F rate of rise, ivory, Velociti/CLIP
ATD-L3H: Thermal heat detector, 190°F high temp, bright white, Velociti
ATD-L3H-IV: Thermal heat detector, 190°F high temp, ivory, Velociti/CLIP
Intelligent Bases
For details on intelligent bases, refer to Data Sheet P/N: 9021-60540.
B501-White: 4" Flangeless mounting base, bright white
B501-White-BP: 4" Flangeless mounting base bulk pack, bright white
B501-IV: 4" Flangeless mounting base, ivory
B501-BL: 4" Flangeless mounting base.
B300-6: 6" Flanged mounting base, bright white
B300-6-IV: 6" Flanged mounting base, ivory
B300-6-BP: 6" Flanged mounting base bulk pack
B200SR-WH: Standard sounder base, bright white
B200SR-IV: Standard sounder base, ivory
B200S-WH: Intelligent addressable sounder base, bright white
B200S-IV: Intelligent addressable sounder base, ivory
B200SR-LF-WH: Standard low frequency sounder base, bright white
B200SR-LF-IV: Standard low frequency sounder base, ivory
B200S-LF-WH: Intelligent addressable low frequency sounder base, bright white
B200S-LF-IV: Intelligent addressable low frequency sounder base, ivory
B224RB-WH: Relay base, bright white
B224RB-IV: Relay base, ivory
B224BI-WH: Isolator base, bright white
B224BI-IV: Isolator base, ivory

Ordering Information

Accessories
SMB600: Surface Mounting Kit (flanged)
TR300: Accessory Flange Ring for B300 6" Base, bright white
TR300-IV: Accessory Flange Ring for B300 6" Base, bright white
RA100Z: Remote LED annunciator, 3-32 VDC
The annunciator mounts to a U.S. single-gang electrical box. For use with B501 and B300-6.
CK300: Bright White detector kit (Pack of 10)
CK300-IR: White, detector color kit for use with MCS-COF Series Detectors. (Pack of 10)
CK300-IV: Ivory, detector color kit. (Pack of 10)
CK300-IR-IV: Ivory, detector color kit for use with MCS-COF Series detectors. (Pack of 10)
CK300-BL: Black detector kit (Pack of 10)
CK300-IR-BI: Black, detector color kit for use with MCS-COF Series detectors. (Pack of 10)
M02-04-01: Detector test magnet.
M02-09-00: Test magnet with telescoping handle.
XR2B: Detector removal tool. Allows the installation and/or removal of the detector heads from the bases in high ceiling applications.
XP-4: Extension pole for XR2B. Shipped with three, 5-foot (1.524 m) sections.



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CARMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION
CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')
4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADÒR

2628 AGOURA RD. 203 | AGOURA HILLS CA, 91301 | 866-568-4264

CONSULTANT
LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CARMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519

LUCCI & ASSOCIATES, INC. reserve their common law copyright and other property rights in these plans. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the express written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

FIRE ALARM DATA SHEETS

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
DRAWN: D.S./L.K. CHECKED: K.L.

SHEET NUMBER:
FA108

DATE: 11/29/2022 SHEET: OF

DATE: 24 January 2023 TIME: 4:50 pm
DRAWING FILENAME: 22-554 FA 108
DRAWING: G:\22554\EL\Sheets\02-01-18 gt
DRAFTER: CM01
PATHNAME: G:\22554\EL\Sheets
PLOT BY: Lee Keener
PLOT DATE: 1/24/2023 4:50:00 PM
SAVE DATE: 1/19/2023 9:24:32 AM
DRAWING: G:\22554\EL\Sheets\02-554 FA 108.dwg

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM
LISTING SERVICE



LISTING No. 7320-1653-0505 Page 1 of 2
CATEGORY: 7320 - SPEAKERS
LISTEE: System Sensor, Unincorporated Div of Honeywell Int'l Inc. 3825 Ohio Ave, St. Charles, IL 60174
Contact: Lisa Brant (203) 484-6105 Fax (203) 484-7309
Email: lisa.brant@honeywell.com
DESIGN: System Sensor Indoor Models:
SPRL and SPWL Wall Speakers;
SPCRL and SPCWL Ceiling Speakers;
SPSRL, SPSWL, SPSRL-P, SPSRL-SP, SPSWL-P, SPSWL-ALERT and SPSWL-CLR-ALERT Wall Speaker Strobes;
SPSCL, SPSCL, SPSCL-P, SPSCL-SP and SPSCL-CLR-ALERT Ceiling Speaker Strobes.

Wall Bezel Parts:
BZSPR-P, BZSPR-AL, BZSPR-EV, BZSPR-AG, BZSPR-PG, BZSPR-F and BZSPR-SP,
BZSPW-P, BZSPW-AL, BZSPW-EV, BZSPW-AG, BZSPW-PG, BZSPW-F and BZSPW-SP.

Ceiling Bezel Parts:
BZSPRC-P, BZSPRC-AL, BZSPRC-EV, BZSPRC-AG, BZSPRC-PG, BZSPRC-F and BZSPRC-SP,
BZSPWC-P, BZSPWC-AL, BZSPWC-EV, BZSPWC-AG, BZSPWC-PG, BZSPWC-F and BZSPWC-SP.

Wall Trim Rings for Speaker Strobes:
TR2 and TR2W

Ceiling Trim Rings for Speaker Strobes:
TRC2 and TRC2W.

Wall Surface Mounted Back Boxes:
SBBSPL and SBBSPLW.

Ceiling Surface Mounted Back Boxes:
SBBCL and SBBCLW.

Refer to listee's data sheet for detailed product description and operational considerations.

02-27-17 gt



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other

Date Issued: **July 01, 2022** Listing Expires **June 30, 2023**
Authorized By: **VICTOR WONG, Program Coordinator**
Fire Engineering Division

Listing No. 7320-1653-0505
Page 2 of 2

RATING: 25 or 70.7 VAC, 1/4, 1/2, 1, 2 Watt outputs.
Regulated 12 VDC and 24 VDC/FWR is for 2-wire strobe pattern.

INSTALLATION: In accordance with listee's printed installation instructions, NFPA 72, applicable codes & ordinances and in a manner acceptable to the authority having jurisdiction.

MARKING: Listee's name, model number, electrical rating, and UL label.

APPROVAL: Listed as speakers and speaker-strobes when used with separately listed compatible fire alarm control units. Suitable for indoor use, dry and damp environments. *Listed with software code, S05-0048-001 for low temperature compensation. Authority having jurisdiction should be consulted prior to installation. Refer to listee's Installation Instruction Manual for details.

02-27-17 gt



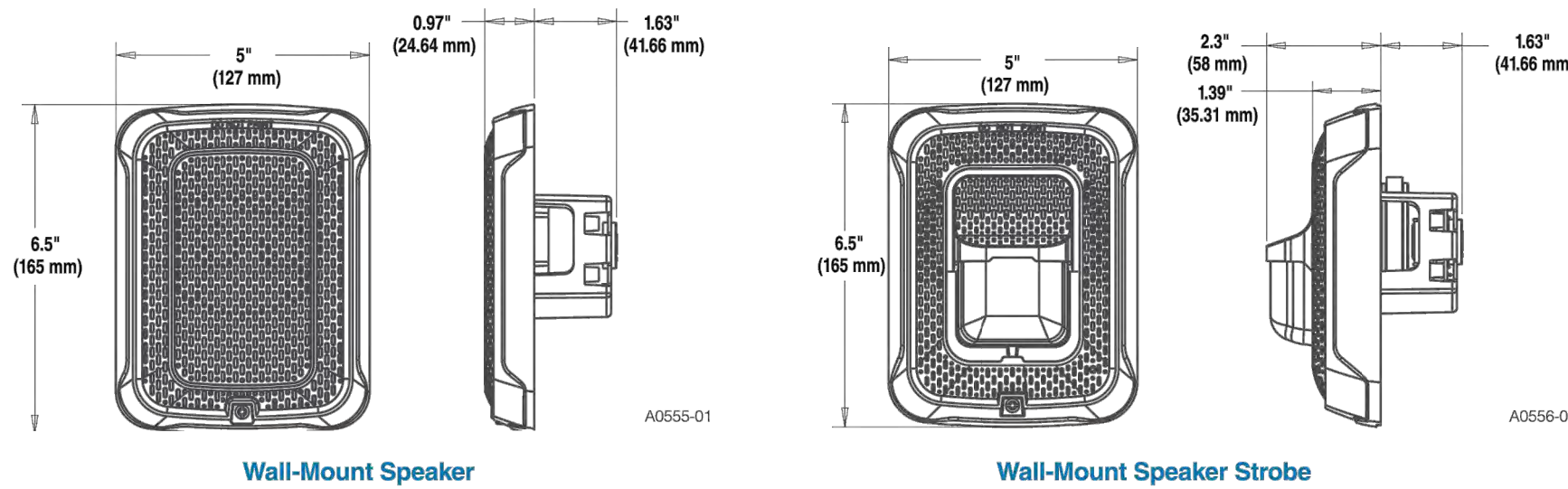
This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other

Date Issued: **July 01, 2022** Listing Expires **June 30, 2023**
Authorized By: **VICTOR WONG, Program Coordinator**
Fire Engineering Division

ULC Current Draw Data

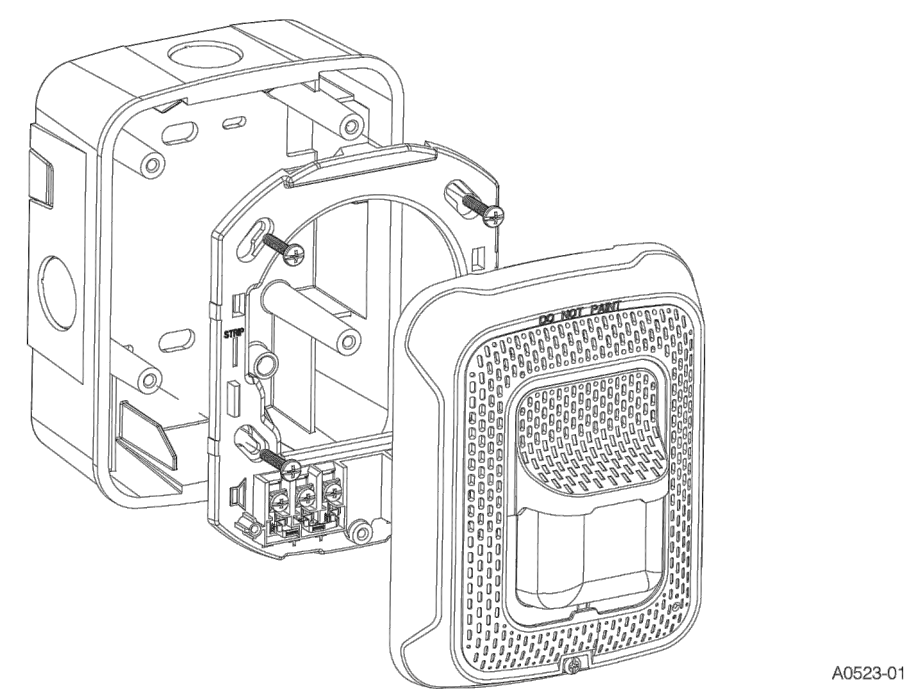
ULC Max Strobe Current Draw (mA RMS)	8 to 125 Volts	16 to 33 Volts		
Candela	DC	DC	FWR	
15	88	43	60	
30	143	63	83	
75	N/A	107	136	
95	N/A	121	155	
110	N/A	148	179	
135	N/A	172	209	
185	N/A	222	257	
Sound Output Speaker Strobe				
	1/4 W	1/2 W	1 W	2 W
Anechoic (dBA @ 10 ft)	77	80	83	86
Sound Output Speaker				
	1/4 W	1/2 W	1 W	2 W
Anechoic (dBA @ 10 ft)	79	82	85	88

L-Series Dimensions



AV02884-02 • 03/23/2018 • Page 3

Surface Mounting



AV023-01

Ordering Information for L-Series Speakers and Speaker Strobes

Wall Mount	Red	Description
SPWLA	SPRLA	Speaker only, Plain
SPSWLA	SPSRLA	Speaker Strobe, Bilingual
SPSWLA-P	SPSRLA-P	Speaker Strobe, Plain
Accessories		
White	Red	Description
RFPW	RFP	7 in x 9.5 in Retrofit Plate
SBBSPLW	SBBSPL	Surface Mount Back Box for Speakers and Speaker Strobes
TR-2W	TR-2	Wall Mount Trim Ring

For strobe models, add suffix -E for English only, -F for French only.



6581 Kilmat Rd., Unit 6 • Mississauga, Ont.
Phone: 800-SENSOR2 • Fax: 905-812-0771
www.systemsensor.ca

©2018 System Sensor
Product specifications subject to change without notice. Visit systemsensor.ca for current product information, including the latest version of the data sheet.
AV02884-02 • 03/23/2018



Indoor Selectable-Output Speaker Strobes and Dual Voltage Evacuation Speakers for Wall Applications

System Sensor L-Series selectable output speaker strobes and dual-voltage evacuation speakers can reduce ground faults and enable faster installation with lower current draw and modern aesthetics.



The System Sensor L-Series of speakers and speaker strobes reduce costly ground faults using a plug-in design and universal mounting plate that allow the installer to pre-wire mounting plates, dress the wires, and confirm wiring continuity before plugging in the speakers. In addition, a protective plastic cover prevents nicked wires by covering exposed speaker components.

These devices also enable faster installations by providing instant feedback to ensure that wiring is properly connected, rotary switches to select voltage and power settings, and 7 field-selectable candela settings for wall speaker strobes.

The low total harmonic distortion of the speaker offers high fidelity sound output while still offering high volume sound output for use in high ambient noise applications.

System Sensor L-Series makes installation easy

- Attach a universal mounting plate to a 4 x 4 x 2 1/4 inch back box. Flush-mount applications do not require an extension ring.
- Connect the notification appliance circuit or speaker wiring to the terminals on the mounting plate.
- Attach the speaker or speaker strobe to the mounting plate by inserting the product tabs into the mounting plate grooves. Hinge the device into position to lock the product pins into the mounting plate terminals. The device will temporarily hold in place with a catch until it is secured with a captured mounting screw.

Features

- Plug-in design and protective cover reduce ground faults
- Universal mounting plate with an onboard shoring spring tests wiring continuity before installation
- No extension ring required
- Field selectable candela settings on wall units: 15, 30, 75, 95, 110, 135, 185
- Automatic selection of 12- or 24-volt operation at 15 and 30 candela
- Rotary switch simplifies field selection of speaker voltage (25 and 70.7 Vrms) and power settings (1/4, 1/2, 1 and 2 watts)
- Speakers offer high fidelity and high volume sound output
- Compatible with System Sensor synchronization protocol
- Electrical compatibility with existing SpectraAlert and SpectraAlert Advance products
- Tamper-resistant construction
- Updated modern aesthetics

Agency Listings



AV02884-02 • 03/23/2018 • Page 1

L-Series Speaker and Speaker Strobe Specifications

Architectural/Engineering Specifications

General
L-Series speaker and speaker strobes shall mount to a 4 x 4 x 2 1/4-inch back box. A universal mounting plate shall be used for mounting ceiling and wall products. The notification appliance circuit and amplifier wiring shall terminate at the universal mounting plate. Also, L-Series speaker strobes, when used with the Sync+Circuit™ Module accessory, shall be powered from a non-coded notification appliance circuit output and shall operate on a nominal 12 or 24 volts. When used with the Sync+Circuit Module, 12-volt rated notification appliance circuit outputs shall operate between 8.5 and 17.5 volts; 24-volt rated notification appliance circuit outputs shall operate between 16.5 and 33 volts. Indoor L-Series products shall operate between 32°F and 120°F (0°C and 49°C) from a regulated DC, or full-wave rectified, unfiltered power supply. Wall-mount speaker strobes shall have field-selectable candela settings including 15, 30, 75, 95, 110, 135, 185.

Speaker
The speaker shall be a System Sensor L-Series model _____, dual-voltage transformer speaker capable of operating at 25.0 or 70.7 nominal Vrms. It should be ULC listed. The speaker shall have a frequency range of 400 to 4,000 Hz and shall have an operating temperature between 32°F and 120°F (0°C and 49°C). The speaker shall have power taps and voltage that are selected by rotary switches.

Speaker Strobe combination
The speaker strobe shall be a System Sensor L-Series model _____ and ULC listed. The speaker shall be capable of operating at 25.0 or 70.7 nominal Vrms selected via rotary switch, and shall have a frequency range of 400 to 4,000 Hz. The speaker shall have power taps that are selected by rotary switch. The strobe shall comply with the NFPA 72 requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system.

Synchronization Module
The module shall be a System Sensor Sync+Circuit model MDL3RA or MDL3WA and ULC listed. The module shall synchronize strobes at 1 Hz. The module shall mount to a 4 1/2 in x 4 1/2 in x 2 1/4-inch back box. The module shall also control two Style Y (class B) circuits or one Style Z (class A) circuit. The module shall synchronize multiple zones. Daisy chaining two or more synchronization modules together will synchronize all the zones they control. The module shall not operate on a coded power supply.

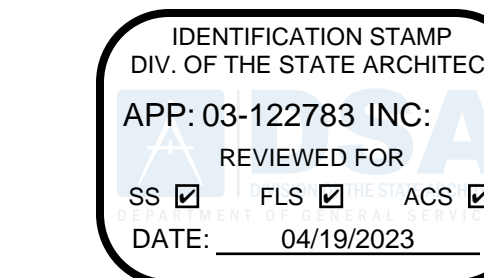
Physical Specifications			
Operating Temperature	32°F to 120°F (0°C to 49°C)		
Humidity Range	10 to 93% non-condensing		
Dimensions, Wall-Mount	Length	Width	Depth
SPL Speaker	6.5 in, 165 mm	5 in, 127 mm	0.97 in, 24.64 mm
With Surface Mount Back Box	6.6 in, 168 mm	5.1 in, 130 mm	3.2 in, 82 mm
SPSL Speaker/Strobe (including lens and speaker)	6.5 in, 165 mm	5.0 in, 127 mm	2.3 in, 58 mm
With Surface Mount Back Box	6.6 in, 168 mm	5.1 in, 130 mm	4.55 in, 116 mm

*When using 12AWG, 14 AWG, or adding extra wires in the box, a deeper box or extension ring is recommended.

Electrical/Operating Specifications	
Nominal Voltage (speakers)	25 or 70.7 (nominal)
Maximum Supervisory Voltage (speakers)	50 VDC
Strobe Flash Rate	1 flash per second
Nominal Voltage (strobes)	Regulated 12 VDC or regulated 24 DC/FWR ^{1,2}
Operating Voltage Range (includes fire alarm panels with built in sync)	8 to 17.5 V (12 V nominal) or 16 to 33 V (24 V nominal)
Operating Voltage with MDL3 Sync Module	8.5 to 17.5 V (12 V nominal) or 16.5 to 33 V (24 V nominal)
Frequency Range	400 to 4000 Hz
Power	1/4, 1/2, 1, 2 watts

1. Full Wave Rectified (FWR) voltage is a non-regulated, time-varying power source that is used on some power supply and panel outputs.
2. Strobe products will operate at 12 V nominal only for 15 and 30 cd.

AV02884-02 • 03/23/2018 • Page 2



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
781 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
VENTURA, CA. 93003

COMMISSIONED ARCHITECT

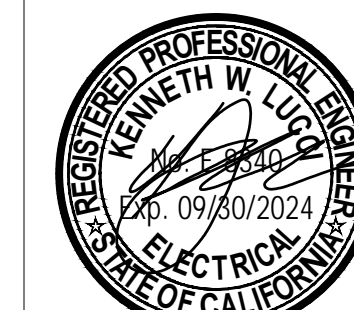
AMADÒR

2828 AGOURA RD. 201 | AGOURA HILLS CA, 91301 | 866-568-4384

CONSULTANT
LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-3074
(805) 389-6520 FAX (805) 389-6519

LUCCI & ASSOCIATES, INC. reserve their copyright and other property rights in these plans. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the express written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

FIRE ALARM DATA SHEETS

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
DRAWN: D.S./L.K. CHECKED: K.L.
SHEET NUMBER:

FA109

DATE: 11/29/2022 SHEET: OF

DATE: 24 January 2023
 TIME: 4:50 pm
 DRAWING FILENAME: 22-554 FA 110
 DRAWING: G:\22\554\EL\Sheets\22-554 FA 110.dwg
 DRAFTER: CM01
 PATHNAME: G:\22\554\EL\Sheets
 PLOT BY: Lee Keener
 PLOT DATE: 1/24/2023 4:50:17 PM
 SAVE DATE: 1/19/2023 9:24:56 AM

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
 OFFICE OF THE STATE FIRE MARSHAL
 FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM
LISTING SERVICE



LISTING No. 7320-1653-0201 Page 1 of 1
CATEGORY: 7320 – SPEAKERS
LISTEE: System Sensor, Unincorporated Div of Honeywell Int'l Inc. 3825 Ohio Ave, St. Charles, IL 60174
 Contact: Lisa Brant (203) 484-6105 Fax (203) 484-7309
 Email: lisa.brant@honeywell.com
DESIGN: Models SPR, SPW, SPRV, and SPWV SpectrAlert Speakers - Rectangular enclosure. Models SPCW, SPCR, SPCWV, and SPCRV SpectrAlert Speakers with round enclosure. Models SPSR, SPSRH, SPSW, SPSW-ALERT, SPSW-CLR-ALERT, *SPSW-CLR-ALERT, SPSWH, SPSRV, and SPSWV SpectrAlert Speaker/Strobe with rectangular enclosure. Models SPSCR, SPSCRH, SPSCW, *SPSCW-CLR-ALERT, SPSCWH, SPSCRV, SPSCRVH, SPSCWV, and SPCRVH SpectrAlert Speaker/Strobe with round enclosure. Model SPSCW-CLR-ALERT Speaker/Strobe. Model SPSW-ALERT has amber lens and is intended for non-fire use.
 All models identified are intended for indoor use mounted on the wall or ceiling. Models with a "K" in the suffix are suitable for indoor or outdoor use with an operating temperature rating of -40°C to +66°C (-40°F to +151°F) and have a NEMA 4X enclosure rating when used with models PWBB, PWBBW (wall) or the model PWBBCW (ceiling) plastic weatherproof back boxes or with Model MWBBW (Wall), MWBB (Wall) or MWBBCW (Ceiling) metal weatherproof back boxes. Models with a "- P" in the suffix have plain housings with no lettering on the enclosure. Models not containing "- P", in the suffix have English lettering reading "FIRE" on the housing. Refer to listee's data sheet for additional detailed product description and operational considerations.
RATING: Nominal Voltage: 25 Vrms or 70 Vrms
 Power Settings: ¼, ½, 1, 2 Watts
 Frequency Range: 400 - 4000 Hz
INSTALLATION: In accordance with listee's printed installation instructions, NFPA 72, applicable codes & ordinances and in a manner acceptable to the authority having jurisdiction.
MARKING: Listee's name, model number, electrical rating and UL label.
APPROVAL: Listed as speaker/strobes when used with separately listed compatible fire alarm control units. Suitable for wall or ceiling mount.
 These speaker/strobes do not generate a distinctive three-pulse temporal code pattern (for total evacuation) as required per NFPA 72, 2010 edition. If required, the appliances must be used with a fire alarm control unit that can generate the temporal pattern signal.

*Corrected 02-06-12 bh



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other

Date Issued: **July 01, 2022** Listing Expires **June 30, 2023**
 Authorized By: **VICTOR WONG, Program Coordinator**
 Fire Engineering Division

SpectrAlert® Advance
 Outdoor Selectable Output Speaker Strobes and
 Dual Voltage Evacuation Speakers

dn-60323:c1



General
 The SpectrAlert Advance series offers the broadest line of outdoor speakers and speaker strobes in the industry. From metal and plastic outdoor back boxes, to white and red plastic housings, to wall and ceiling mounting options, virtually every application is covered. SpectrAlert Advance outdoor speakers and speaker strobes offer reliable operation over the entire temperature range of -40°F to 151°F. They may be used indoors or outdoors in wet or dry applications. In addition, these speakers provide a broad frequency response range and low harmonic distortion to provide an accurate and intelligible broadcast of evacuation messages. High sound pressure level at all tap settings ensures that messages are clearly heard.
 The plug-in design allows the installer to pre-wire mounting plates and dress the wires before plugging in the speakers to help reduce ground faults. This design also allows faster installations with instant feedback to ensure that wiring is properly connected, rotary switches to select voltage and power settings, and field selectable candela settings for wall and ceiling speaker strobes.
 The new weatherproof back boxes have plastic and metal versions. They are now designed to accommodate in-and-out wiring for daisy chaining outdoor devices. The plastic weatherproof back boxes shipped with the product feature removable side flanges and improved resistance to salt water corrosion. The screw hole knockouts located on the back of the weatherproof back box eliminate the need to drill holes for screw-in mounting. Both weatherproof back boxes are available with 3/4 inch top and bottom conduit entries and 3/4 inch knock-outs at the back. Included with each back box is a screw-in NPT plug with an O-ring gasket for a watertight seal. Metal back boxes are available separately.

Features
 • Plug-in design
 • Electrical compatibility with existing SpectrAlert products
 • Snapping spring on mounting plate tests continuity before installation
 • Rotary switch simplifies field selection of speaker voltage and power settings
 • Universal mounting plate for wall- and ceiling-mount units
 • Weatherproof per NEMA 4X, IP56
 • Compatible with System Sensor synchronization protocol
 • Automatic selection of 12 or 24-volt operation at 15 and 15/75 candela
 • Field selectable candela settings on wall and ceiling units
 • Ceiling and wall mount application

Specifications
PHYSICAL SPECIFICATIONS
 Operating Temperature: -40°F to 151°F (-40°C to 66°C)
DIMENSIONS
Dimensions, Wall-Mount:
 • SPS Speaker Strobe: 6.0"L x 5.0"W x 4.7"D (including lens and speaker)
 • SP Speaker: 6.0"L x 5.0"W x 2.9"D
Dimensions, Ceiling-Mount:
 • SPS Speaker Strobe: 6.8" in Diameter x 4.7"D (including lens and speaker)
 • SP Speaker: 6.8" in Diameter x 2.9"D
Dimensions, Wall-Mount Weatherproof Backbox
 • 6.5"L x 5.5"H x 2.9"D
Dimensions, Ceiling-Mount Weatherproof Backbox
 • 7.2"Dia x 29"H

ELECTRICAL/OPERATING SPECIFICATIONS
Nominal Voltage (speakers): 25 Volts or 70.7 Volts (nominal)
Maximum Supervisory Voltage (speakers): 50VDC
Strobe Flash Rate: 1 flash per second
Nominal Voltage (Strobes): Regulated 12VDC/FWR or 24VDC/FWR
Operating Voltage Range (includes fire panels with built-in sync): 8 to 17.5V (12V nominal) or 16 to 33V (24 nominal)
Operating Voltage with MDL Sync Module: 9 to 17.5V (12V nominal) or 17 to 33V (24V nominal)
Frequency Range: 400 to 4000Hz
Power: ¼, ½, 1, 2 watts

Agency Listings and Approvals
 In some cases, certain modules may not be listed by certain approval agencies, or listing may be in progress. Consult factory for latest listing status.
 • ULULC Listed: S4048
 • MEA: 10-08-E
 • CSFM: 7320-1653-201

Sound Output

UL Reverberant (dBA @ 10ft)	2W	1W	1/2W	1/4W
Outdoor Speaker	90	87	84	81
Outdoor Speaker/Speaker Strobe	89	86	83	80

UL Maximum Strobe Current Draw (mA RMS)

Candela	8 to 17.5 Volts		16 to 33 Volts	
	DC	FWR	DC	FWR
Standard Candela Range	15	123	128	66
	15/75	142	148	77
	30	NA	NA	94
	75	NA	NA	158
	95	NA	NA	181
High Candela Range	110	NA	NA	195
	115	NA	NA	205
	135	NA	NA	228
	150	NA	NA	246
177	NA	NA	281	
185	NA	NA	286	

Candela Derating
 NOTE: For K series products used at low temperatures, listed candela ratings must be reduced in accordance with this table.

Strobe Output (cd)	Candela Rating at -40°F
15	Do not use below 32°F
15/75	
30	
75	
95	
110	
115	115
135	135
150	150
177	177
185	185

Architectural/Engineering Specifications
GENERAL: SpectrAlert Advance outdoor speaker and speaker strobes shall mount to a weatherproof back box. A universal mounting plate shall be used for mounting ceiling and wall products. The notification appliance circuit and amplifier wiring shall terminate at the universal mounting plate. Also, SpectrAlert Advance speaker strobes, when used with the SyncCircuit™ Module accessory, shall be powered from a non-coded notification appliance circuit output and shall operate on a nominal 12 or 24 volts. When used with the SyncCircuit Module, 12-volt rated notification appliance circuit outputs shall operate between 9 and 17.5 volts; 24-volt rated notification appliance circuit outputs shall operate between 17 and 33 volts. Outdoor SpectrAlert Advance products shall operate between -40°F and 151°F from a regulated DC, or full-wave rectified, unfiltered power supply.
SPEAKER: The Speaker shall be a System Sensor SpectrAlert Advance Model dual voltage transformer speaker capable of operating at 25.0 or 70.7 nominal Vrms. It shall be listed to UL/ULC Standard S4048 for outdoor fire protective signaling systems. It shall have a frequency range of 400 to 4000 Hz and

shall have an operating temperature from -40°F to 150.8°F. It shall have power taps and wattage settings which are selected by rotary switches. The speaker must be installed with its weatherproof backbox in order to remain outdoor approved per UL/ULC listing S4048. The speaker shall be suitable for use in air handling spaces, as well as wet environments.
SPEAKER STROBE COMBINATION
 The Speaker Strobe shall be a System Sensor Model listed to UL/ULC 1638 and UL/ULC 1450 and be approved for fire protective signaling systems. It shall be capable of operating at 25.0 or 70.7 nominal Vrms, and shall have a frequency range of 400 to 4000 Hz. It shall have power taps that are selected by rotary switch. The strobe shall consist of a xenon flash tube with associated lens/reflector system and operate on either 12V or 24V. The strobe shall also feature selectable candela output, providing options for 15 or 15/75 candela when operating on 12V and 15, 15/75, 30, 75, 110, 115, 135, 150, 177 or 185 when operating on 24V. The strobe shall comply with the Americans with Disabilities Act requirement for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The speaker strobe must be installed with its weatherproof back box in order to remain outdoor approved per UL/ULC. The speaker strobe shall be suitable for use in wet environments.

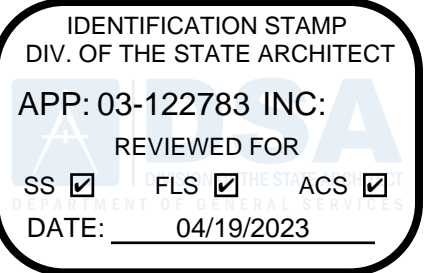
Product Line Information
NOTE: "A" suffix indicates UL C-Listed model.
NOTE: All outdoor models ("K(A)" suffix), include weatherproof backbox.
NOTE: Add "R" to outdoor models for weatherproof replacement device (no backbox included).
 SPWK(A): Wall mount outdoor speaker; white.
 SPRK(A): Wall mount outdoor speaker; red.
 SPSWK: Wall mount outdoor speaker strobe, selectable candela (15, 15/75, 30, 75, 95, 110, 115); white.
 SPSRK: Wall mount outdoor speaker strobe, selectable candela (15, 15/75, 30, 75, 95, 110, 115); red.
 SPCWK: Ceiling mount outdoor speaker; white.
 SPCWK: Ceiling mount outdoor speaker strobe, selectable candela (15, 15/75, 30, 50, 75, 95, 110, 115); white.
 SPSCWHK: Ceiling mount outdoor speaker strobe, selectable candela, high cd (135, 150, 177, 185); white.

ACCESSORIES
 MWBB(A): Wall, metal weatherproof backbox; red.
 MWBBW(A): Wall, metal weatherproof backbox; white.
 MWBBCW(A): Ceiling, metal weatherproof backbox; white.
 WTP-SP: Flush mount weatherproof plate for use with speakers/speaker strobes, red.
 WTP-SPW: Flush mount weatherproof plate for use with speakers/speaker strobes, white.

System Sensor® is a registered trademark of Honeywell International Inc. ©2011 by Honeywell International Inc. All rights reserved. Unauthorized use of this document is strictly prohibited.



This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.
 For more information, contact Notifier. Phone: (203) 484-7161; FAX: (203) 484-7118. www.notifier.com



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 761 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CDC-INSTALLATION (1) PC - MODULAR BUILDING (40'X48') & (2) - PC SHADE STRUCTURES (30'X30')

4667 TELEGRAPH RD.
 VENTURA, CA. 93003

COMMISSIONED ARCHITECT

AMADÒR

2628 AGOURA RD. 201 | AGOURA HILLS CA. 91301 | 865-568-4264
 CONSULTANT
LUCCI & ASSOCIATES, INC.
 CONSULTING ELECTRICAL ENGINEERS
 3251 CORTE MALPASO, #511
 CAMARILLO, CA 93012 - 3074
 (805) 389-6520 FAX (805) 389-6519
 LUCCI & ASSOCIATES, INC. reserve their commonlaw copyright and all other rights in these plans. These plans and drawings are not to be reproduced, changed, or copied in any form or manner whatsoever without first obtaining the expressed written permission and consent of LUCCI & ASSOC. INC nor are they to be assigned to any third party without obtaining said written permission and consent.

STAMPS/SEALS



DSA BACK CHECK_V2 SUBMITTAL 01/25/2023

SHEET TITLE:

FIRE ALARM DATA SHEETS

PROJECT NO: 22-VCCCD-16 PROJECT ARCH: JA
 DRAWN: D.S./L.K. CHECKED: K.L.
 SHEET NUMBER:

FA110

DATE: 11/29/2022 SHEET: OF



STOCKPILE
(1) 48'x40' 2GO BUILDING (HIGH SEISMIC)



SERIAL: 22-940-001

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR: SS, FLS, ACS
DATE: 04/19/2023

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

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...

APPLICABLE CODES

- PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2019
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) - PART 1, TITLE 24, CCR
2019 CALIFORNIA BUILDING CODE (CBC), VOLUME 1 & 2 - (PART 2, TITLE 24 CCR) BASED ON THE 2018 INTERNATIONAL BUILDING CODE WITH 2019 CALIFORNIA AMENDMENTS...

BUILDING DATA

Table with columns for OCCUPANCY, TYPE OF CONSTRUCTION, WIND LOAD, ICE LOAD, SNOW LOAD, etc.

SITE SPECIFIC WIND VALUES

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

SITE SPECIFIC SEISMIC VALUES

SITE SPECIFIC Ss = 1.991 SITE SPECIFIC S1 = 0.748 SITE CLASS = D
SITE SPECIFIC SDS = 1.593 SITE SPECIFIC SD1 = 1.37

PC BUILDING SEISMIC DESIGN CRITERIA

Te = 1.0 T = 0.231s R = 3.5 (OMF) RISK CATEGORY II
Omega = 3.0 Cg = 3.0 rho = 1.0 SEISMIC DESIGN CATEGORY: D (S1 < 0.75)
E (S1 >= 0.75)

GENERAL NOTES

- 1. SUBSTITUTION OF PRODUCTS OR PROCESSES WHICH CHANGE THE STRUCTURAL SAFETY, FIRE & LIFE-SAFETY, OR ACCESSIBILITY OF THIS BUILDING SHALL BE SUBMITTED TO THE DSA AS AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT.
2. PC BUILDING APPROVED ONLY FOR OCCUPANCY "E" OR "B", OR "A" CATEGORY I & II, WITH AN OCCUPANT LOAD LESS THAN 250.
3. PC BUILDING EXITING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC.

SITE-SPECIFIC OPTIONS

Table with columns for FLOOR DECK, WALL STUDS, EXTERIOR WALL FINISH, HVAC, ROOFING, etc.

SEE SHEET TS2 FOR SHEET INDEX

© 2020 BY AMERICAN MODULAR SYSTEMS, INC.

ALL OF THE DRAWINGS AND DETAILS CONTAINED IN THIS PACKAGE ARE THE INTELLECTUAL PROPERTY OF AMERICAN MODULAR SYSTEMS, INC (AMS) AND MAY NOT BE USED FOR CONSTRUCTION OR DESIGN BY ANOTHER ENTITY WITHOUT THE EXPRESS WRITTEN PERMISSION OF AMS.

COPYRIGHT: © 2020 BY AMERICAN MODULAR SYSTEMS, INC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC, MECHANICAL, PHOTOCOPYING, RECORDING, OR OTHERWISE WITHOUT THE PRIOR WRITTEN PERMISSION OF AMERICAN MODULAR SYSTEMS, INC.

- [X] NO SOILS REPORT - ASSUMED SITE CLASS "D"
Ss = 2.440 MAX (SITE) Fa = 1.2 SDS = 1.95 (SITE) 1.708 (DESIGN)*
S1 = 1.213 MAX (SITE & DESIGN) Fv = 1.7 SD1 = 1.37 MAX (SITE & DESIGN) Cg = 0.393 W (DESIGN)*

NOTE: FOR ALL LATERAL LOAD CASES, COMPONENTS AND CLADDING DESIGNED FOR: Sbc = 1.95

- [] WITH SOILS REPORT - SITE CLASS "A", "B" OR "D"
NOTE: PER EXCEPTION 2 OF ASCE 7-16 SECTION 11.4.8, A GROUND MOTION HAZARD ANALYSIS IS NOT REQUIRED FOR CLASS "D".
Ss = 2.932 MAX (SITE) Fa = 1.0 SDS = 1.95 MAX (SITE) 2.050 (DESIGN)*
S1 = 1.213 MAX (SITE & DESIGN) Fv = 1.7 SD1 = 1.37 MAX (SITE & DESIGN) Cg = 0.393 W (DESIGN)*

*PER ASCE 7-16, SECTION 12.8.1.3: THE VALUE OF Cg AND Ev ARE PERMITTED TO BE CALCULATED USING A VALUE OF Sbc EQUAL TO 1.0, BUT NOT LESS THAN 70% OF Sbc AS DEFINED IN SECTION 11.4.5, PROVIDED THAT ALL OF THE FOLLOWING CRITERIA ARE MET:

PRE-CHECKED SET NAME
24' x 40' THRU 48' x 40' (HIGH SEISMIC)
2GO

STOCKPILE (1) 48'x40' BUILDING

2019 CBC PRE-CHECK (PC) DOCUMENT
MANUFACTURER PROFESSIONAL OF RECORD ON PC
LICENSED ARCHITECT
PATRICK CHEN

REVISIONS
DRAWN BY: AB
SCALE: AS NOTED
DATE: 10/26/22
PROJECT NO: 1730-22
SHEET TITLE: TITLE SHEET

TITLE SHEET
SHEET NUMBER: TS N



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120719 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/3/2022



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

SHEET INDEX

ARCHITECTURAL			STRUCTURAL			MECHANICAL			PLUMBING		
OPTIONS	SHEET NUMBER	SHEET TITLE	OPTIONS	SHEET NUMBER	SHEET TITLE	OPTIONS	SHEET NUMBER	SHEET TITLE	OPTIONS	SHEET NUMBER	SHEET TITLE
COVER SHEET	<input checked="" type="checkbox"/> TS	TITLE SHEET	MEMBER PROPERTIES			FLOOR PLANS	<input checked="" type="checkbox"/> M1.0	TYPICAL REFLECTED CEILING PLAN	FLOOR PLAN & DETAILS	<input checked="" type="checkbox"/> P1.0	RESTROOM OPTIONS, PLUMBING PLAN, & FIXTURE SCHEDULE
INSPECTION FORM	<input checked="" type="checkbox"/> D1	FORM DSA-103	<input checked="" type="checkbox"/> S0.0		LIGHT GAUGE STEEL MEMBER PROPERTIES	<input checked="" type="checkbox"/> M1.1	TYPICAL MECHANICAL PLAN OPTIONS	<input checked="" type="checkbox"/> P2.0	<input checked="" type="checkbox"/> P3.0		PLUMBING DETAILS & ACCESSIBLE DETAILS
GENERAL NOTES & SPECIFICATIONS	<input checked="" type="checkbox"/> N1.0	GENERAL NOTES & SPECIFICATIONS	<input type="checkbox"/> S2.0		WOOD FOUNDATION PLAN - 50 PSF LIVE LOAD	<input type="checkbox"/> M1.3	RESTROOM REFLECTED CEILING PLANS OPTIONS				PLUMBING ISOMETRIC DRAWINGS
	<input checked="" type="checkbox"/> N2.0	GENERAL NOTES & SPECIFICATIONS	<input checked="" type="checkbox"/> S2.1		WOOD FOUNDATION PLAN - 50 PSF LIVE LOAD + 15 PSF PARTITION LOAD	<input checked="" type="checkbox"/> M1.4	MECHANICAL & CEILING DETAILS				
	<input checked="" type="checkbox"/> N3.0	TYPICAL SCHEDULES: DOORS, WINDOWS, & FINISHES	<input type="checkbox"/> S2.2		WOOD FOUNDATION PLAN - 100 PSF LIVE LOAD	<input type="checkbox"/> M1.4A	MECHANICAL & CEILING DETAILS				
	<input checked="" type="checkbox"/> N4.0	ACCESSIBILITY STANDARDS AND DETAILS	<input checked="" type="checkbox"/> S2.4		WOOD FOUNDATION DETAILS	<input checked="" type="checkbox"/> M1.5	MECHANICAL & CEILING DETAILS				
	<input checked="" type="checkbox"/> N5.0	MULTIPLE FLOOR PLAN CONFIGURATIONS				<input checked="" type="checkbox"/> M1.6	MECHANICAL ROOF DETAILS				
ENERGY SHEETS & CALCULATIONS	<input checked="" type="checkbox"/> EN.1	ENERGY CALCULATIONS		<input checked="" type="checkbox"/> S3.0	FLOOR FRAMING PLAN & DETAILS FOR PLYWOOD FLOOR	MISCELLANEOUS	<input checked="" type="checkbox"/> M1.7	CEILING & MECHANICAL NOTES & SCHEDULES			
	<input checked="" type="checkbox"/> EN.2	ENERGY CALCULATIONS				ELECTRICAL					
	<input checked="" type="checkbox"/> EN.3	ENERGY CALCULATIONS				OPTIONS	SHEET NUMBER	SHEET TITLE			
	<input checked="" type="checkbox"/> EN.4	ENERGY CALCULATIONS					<input checked="" type="checkbox"/> E1.0	TYPICAL ELECTRICAL PLAN			
	<input checked="" type="checkbox"/> EN.5	ENERGY CALCULATIONS				FLOOR PLANS & DETAILS	<input type="checkbox"/> E1.1	RESTROOM OPTIONS ELECTRICAL PLANS			
	<input checked="" type="checkbox"/> EN.6	ENERGY CALCULATIONS					<input checked="" type="checkbox"/> E1.2	ELECTRICAL NOTES & DETAILS			
	<input checked="" type="checkbox"/> EN.7	ENERGY CALCULATIONS									
	<input checked="" type="checkbox"/> EN.8	ENERGY CALCULATIONS									
	<input checked="" type="checkbox"/> EN.9	ENERGY CALCULATIONS									
	<input checked="" type="checkbox"/> EN.10	ENERGY CALCULATIONS									
FLOOR PLANS	<input checked="" type="checkbox"/> A1.0	TYPICAL FLOOR PLAN									
	<input type="checkbox"/> A1.2	RESTROOM FLOOR PLAN OPTIONS									
ROOF PLAN & DETAILS	<input checked="" type="checkbox"/> A2.0	TYPICAL ROOF PLAN - METAL STANDARD SEAM									
	<input checked="" type="checkbox"/> A2.2	TYPICAL ROOF DETAILS - METAL STANDING SEAM									
INTERIOR ELEVATIONS	<input checked="" type="checkbox"/> A4.0	INTERIOR ELEVATIONS - TYPICAL CLASSROOM									
	<input checked="" type="checkbox"/> A4.0A	INTERIOR ELEVATIONS - TYPICAL OFFICE									
	<input type="checkbox"/> A4.1	INTERIOR ELEVATIONS - RESTROOM OPTIONS									
EXTERIOR ELEVATIONS & ARCHITECTURAL DETAILS	DURATEMP 303 SIDING	<input checked="" type="checkbox"/> A5.0	TYPICAL EXTERIOR ELEVATIONS - DURATEMP 303 SIDING OPTION								
		<input checked="" type="checkbox"/> A5.1	TYPICAL ARCHITECTURAL DETAILS - DURATEMP 303 SIDING OPTION								
	LAP SIDING	<input type="checkbox"/> A5.2	TYPICAL EXTERIOR ELEVATIONS - LAP SIDING OPTION								
	<input type="checkbox"/> A5.3	TYPICAL ARCHITECTURAL DETAILS - LAP SIDING OPTION									
SECTIONS	<input checked="" type="checkbox"/> A6.0	TYPICAL LONGITUDINAL & TRANSVERSE BUILDING SECTIONS									
MISCELLANEOUS DETAILS	<input checked="" type="checkbox"/> A7.1	MISCELLANEOUS ARCHITECTURAL DETAILS									
	<input type="checkbox"/> A8.0	1-HR FIRE RATED CONSTRUCTION DETAILS									

50 TOTAL SHEETS

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 DRAWINGS, SPECIFICATIONS 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 ANY BUILDING OR OTHER STRUCTURE. ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF ANY BUILDING OR OTHER STRUCTURE, 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
24' x 40' THRU 48' x 40'
(HIGH SEISMIC)


SITE SPECIFIC PROJECT NAME
STOCKPILE
(1) 48'x40' BUILDING

2019 CBC PRE-CHECK (PC) DOCUMENT
(A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED)

MANUFACTURER PROFESSIONAL OF RECORD ON PC


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

REVISIONS
△
△
△
△

DRAWN BY: AS
SCALE: AS NOTED
DATE: 10/26/22
PROJECT NO: 1730-22

SHEET TITLE:
SHEET INDEX

SHEET NUMBER:
TS2 N

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 to DSA-103:

	STOCKPILE	CONSTRUCTION OF PERMANENT MODULAR OR RELOCATABLE BUILDING	RELOCATION OF CERTIFIED RELOCATABLE BUILDING
INSPECTOR CLASS (minimum requirements)	RBIP or Class 1	In Plant: RBIP or Class 1 Site; Class 4 for Single Story Site; Class 2 for Two-Story	Class 4 for Single Story Class 2 for Two-Story
Selection of the Project Inspector and Testing 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	

TEST OR INSPECTION
(as listed on DSA 103-19, issued 7/16/20)⁸

MATERIAL TYPE

	STOCKPILE	CONSTRUCTION (Diaphragm - Foundation)	RELOCATION OF CERTIFIED BUILDING
	A	B	C
WOOD FLOOR ONLY			
WOOD FLOOR ONLY - WOOD FOUNDATION			
WOOD FOUNDATION			

SOILS

- 1. GENERAL:**
- a. Verify that:
 - Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations.
 - Foundation excavations extended to proper depth and have reached proper material.
 - Materials below footings are adequate to achieve the design bearing capacity.

MASONRY

- 14. VENEER OR GLASS BLOCK⁽⁶⁾:**
- 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 other construction.
 - 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.

CONCRETE

- 11. POST-INSTALLED ANCHORS⁽⁴⁾:**
- a. Inspect installation of post-installed anchors
 - b. Test post-installed anchors

STEEL, ALUMINUM

- 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
- b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds
- c. Inspect welding of stairs and railing systems (only required where noted on S10.0 & S10.1)
- 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)
- b. Inspect single-pass fillet welds ≤ 5/16" (See foundation anchorage - S1.6 sheets)
- c. Inspect end-welded studs (ASTM A-108) installation (including bend test)
- 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⁽⁷⁾:

- 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 documents.
- b. Test bond strength.
- c. Test density.

23. ANCHOR BOLTS, ANCHOR RODS & OTHER STEEL:

- a. Anchor Bolts and Anchor Rods
- b. Threaded rod not used for foundation anchorage.

OTHER

- 26. OTHER**
- a. Column fire rating where specified per 20/A8.0 and tested per 1705A.15

FOOTNOTES

1. NOT USED.
2. NOT USED.
3. NOT USED.
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 3/4" OR GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS. NONDESTRUCTIVE TESTING OF COMPLETE JOINT PENETRATION WELDS AT GRAVITY CONNECTIONS SHALL COMPLY WITH 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.
10. THE DESIGN PROFESSIONAL HAS EXEMPTED RAMPS FROM SPECIAL INSPECTION REQUIREMENTS FOR MATERIAL IDENTIFICATION AND STRUCTURAL WELDING. RAMP SHALL NOT BE MODIFIED NOR HAVE SHIMS ADDED CAUSING THE DISTANCE BETWEEN THE HIGHEST RAMP WALKING SURFACE AND THE ADJACENT GRADE TO BE MORE THAN 30 INCHES. IF THIS CONDITION IS NOT MET, STRUCTURAL TESTING AND/OR INSPECTION WILL BE REQUIRED TO VERIFY MATERIALS AND STRUCTURAL WELDING. THIS APPLIES TO SCOPES OF WORK INCLUDING NEW CONSTRUCTION, ALTERATION, OR RELOCATION OF THE RAMP.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2022

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120719 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/3/2022



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 DRAWINGS, SPECIFICATIONS 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 ANY BUILDING, MODULAR OR OTHERWISE DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR 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
24' x 40' THRU 48' x 40' (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-119285 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/20/2021

2019 CBC PRE-CHECK (PC) DOCUMENT
(A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED)

MANUFACTURER PROFESSIONAL OF RECORD ON PC

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

REVISIONS

△	
△	
△	
△	

DRAWN BY: ADS/AH
SCALE: AS NOTED
DATE: 03/11/21
PROJECT NO: XXXX-21

SHEET TITLE:
FORM DSA-103

SHEET NUMBER:
D1 N

SECTION 1 GENERAL REQUIREMENTS

1. GENERAL
 - A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.
 - B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE RDPRC.
 - 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.
2. SCOPE OF WORK
 - A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
 - B. ALL REQUIREMENTS OF TITLE 24 OF THE STATE OF CALIFORNIA, CODE OF REGULATIONS, RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
 1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION TO BE PROVIDED BY THE RDPRC.
 2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING, MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
 3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
 4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
 5. ADDENDUMS SHALL BE SIGNED BY THE RDPRC & APPROVED BY D.S.A.
 6. CHANGES TO CONSTRUCTION DOCUMENT AFFECTING ACS, FLS & SSS SHALL BE SIGNED BY THE OWNER & THE RDPRC & 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.
 7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
 8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE RDPRC/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
 9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
 10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
 11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
 12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
 13. THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS", SHEET N2.0. FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER. SEE "GENERAL DESIGN REQUIREMENTS", SHEET N2.0 FOR ADDITIONAL REQUIREMENTS.
 14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQUIRED BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

SECTION 2 FOUNDATION

1. ALLOWABLE SOIL BEARING:
 - 1000 P.S.F. FOR WOOD FOUNDATIONS MAX
 2. WOOD FOUNDATIONS SHALL BE CONSTRUCTED PER ALL NOTES. SPECIFICATIONS & DETAILS NOTED ON SHEETS S2.0 - S2.4 OF THIS DRAWING PACKAGE.
- NOTE: THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 16-1, ISSUED BY DIVISION OF THE STATE ARCHITECT, FOR TEMPORARY BUILDINGS.
3. WORK NOT INCLUDED:
 - A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
 - B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 - C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV, TELEPHONE SYSTEM, UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.
 4. WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
 5. ACCESSIBILITY OF SITE: THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

SECTION 5 STEEL

1. GENERAL - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC 360-16, 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" AND AISC 341-16 CHAPTER "I"
 - B. WELDING - ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY, WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24, PART 2, CCR, SECTIONS 1705A.2-5 WELDING ELECTRODE SHALL BE E70XX. ALL WELDS USED IN 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 D1.8-09, SECTION 6.3.
2. STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING:
 - A. WIDE FLANGE BEAMS SHALL CONFORM TO ASTM A992, GRADE 50, TYP. U.N.O.
 - B. STRUCTURAL STEEL CHANNELS SHALL CONFORM TO ASTM A36 (36 KSI) TYP. U.N.O. NOTE: ASTM A572 (50 KSI) MAY BE SUBSTITUTED FOR A36 (36 KSI), WHERE DRAWINGS SPECIFY 36 KSI MIN. CHANNELS MAY CONFORM TO EITHER ASTM A992 (50 KSI) OR ASTM A572 (50 KSI).
 - C. PIPE COLUMNS SHALL CONFORM TO ASTM A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05% TYP. U.N.O.
 - D. STRUCTURAL STEEL TUBING (HSS) SHALL CONFORM TO ASTM A500 GRADE B OR C OR ASTM A1085, TYP. U.N.O.
 - E. STEEL PLATES, ANGLES, BARS AND MISC. SHAPES SHALL CONFORM TO ASTM A36 (36 KSI) TYP. U.N.O. NOTE: ASTM A572 (50 KSI) MAY BE SUBSTITUTED FOR A36 (36 KSI).
 - F. STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.
3. ERECTION - STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
4. NAILS, BOLTS, SCREWS AND NUTS, ETC. - FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
 - A. BOLTS FOR STRUCTURAL STEEL CONNECTIONS SHALL CONFORM TO ASTM A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR BOLTS THRU STEEL TO BE DRILLED, OR TORCHED PILOT HOLE AND REAMED TO DIAMETER IF BOLT "+1/16" UNLESS OTHERWISE NOTED. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER.
5. SEE "FASTENERS FOR ATTACHMENT TO STEEL" ON SHEET N2.0 FOR SHOT PINS & SCREWS.
6. HANDRAILS - FABRICATED, AS DETAILED, NON-FILLET WELDS ROUND SMOOTH.
7. SHOP PAINT
 - A. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
 - B. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.
8. TESTS
 - A. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER TITLE-24 PART 2, CCR SECTION 1705A.2 & 2202A.

SECTION 6 CARPENTRY

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.
2. MATERIALS

LUMBER GRADE MARKED IN ACCORDANCE WITH AN APPROVED GRADING AGENCY PER DOC PS 20-05 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 FOR SOFTWOOD OSB OR PLYWOOD, OF AMERICAN PLYWOOD ASSOCIATION. EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO. MOISTURE CONTENT SHALL NOT EXCEED 19%.

 - A. JOISTS, HEADERS, PLATES STUDS: DOUGLAS FIR S4S #2 OR HEM FIR S4S #2 MIN. U.N.O. NOTE: MSR 1850 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR 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 ≥ 9½" DEEP
$F_b = 2400$ PSI MIN.	$F_b = 2900$ PSI MIN.
$F_v = 190$ PSI MIN.	$F_v = 290$ PSI MIN.
$E = 1.8E6$ PSI MIN.	$E = 2.0E6$ PSI MIN.
3. POSTS AND TIMBERS: DOUGLAS FIR S4S #1 OR HEM FIR S4S #1 MIN.
4. BLOCKING: DOUG FIR #3, OR HEM FIR #3, OR STD. & BET.
5. 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.
6. MOISTURE BARRIER: KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, CBC SECTION 1403.2 & ASTM D226, TYPE I.
7. STUDS - S4S DOUG FIR #2 OR #2 HEM FIR. MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION.
8. FASTENERS - FASTENERS SHALL BE CORROSION RESISTANT PER C.B.C. 2304.10.1.1 COMMON NAILS PER ASTM F1667 FOR EXTERIOR SIDING & FOUNDATION ONLY.
 - I. BUILDING TRIM - 2x RESAWN SELECT D.F., H.F., OR CEDAR.
 - J. DOOR/WINDOW 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
 - M. ALL NAILS SHALL BE COMMON NAILS PER ASTM F1667 UNLESS OTHERWISE NOTED.
 - N. ALL CUT ENDS & HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".
 - O. ALL BOLTS & LAG SCREWS SHALL COMPLY WITH THE 2015 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (ANSI/AWC NDS-2015).

CARPENTRY continued

4. HOLES FOR BOLTS IN WOOD SHALL BE BORED WITH A BIT OF THE SAME NOMINAL DIAMETER AS THE BOLT + 1/16".
5. HOLES FOR LAG SCREWS SHALL BE FIRST BORED TO THE SAME NOMINAL DIAMETER AND DEPTH AS THE SHANK. THE REMAINDER OF THE HOLE SHALL BE 40% TO 70% OF THE SHANK DIAMETER.
6. ALL BOLTS AND LAG SCREWS SHALL BE PROVIDED WITH METAL WASHERS UNDER HEADS AND NUTS WHICH BEAR ON WOOD.
7. WORKMANSHIP
 - 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.
 - B. NAILING - IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE, TABLE 2304.10.1.
 - C. EXTERIOR WALLS - FACTORY FABRICATED, CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
 - D. NAILS INTO P.T. LUMBER TO BE HOT DIPPED GALVANIZED.
 - 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 PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
 - F. MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.
 - G. TRIM SEALED AT ALL EDGES, SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7A SHEET METAL (NON-STRUCTURAL)

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
2. MATERIALS
 - A. SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A653 MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - B. SOLDER - OF STAND, GRADE "A" OF EQUAL PARTS, ARD BRAND, LEAD AND TIN ASTM B32.
 - C. FLUX - ZINC SATURATED MURIATIC ACID.
 - D. GUTTERS: 26 GA. G-90 GALV. STEEL
DOWNSPOUTS: 2"x3" CONVOLUTED 30 GA. G-90 GALV. STEEL
CUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL
GUTTER CLIPS: 18 GA. G-90 GALV. STEEL
FLASHING: 22 GA. G-90 GALV. STEEL
 - E. FASTENERS - SELF-DRILLING OR SELF-TAPPING SHEET METAL SCREWS. LENGTH TO HAVE (3) EXPOSED THREADS MIN.
3. WORKMANSHIP

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

SECTION 7B METAL ROOFING

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING.
2. MATERIALS
 - A. ROOF: 3 INCH STANDING SEAM, MINIMUM 20-GAUGE G-90 GALV. INTERLOCKING (UN-PENETRATED) SHEET STEEL PANELS (G90).
 - B. CLASS B FIRE RATING.
 - C. FASTENERS SHALL BE HOT-DIPPED GALVANIZED.

SECTION 7C SEALANT

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.
2. MATERIALS

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

 - A. SEALANT V.O.C. LIMITS PER SCAQMD RULE 1168 (AS SHOWN IN TITLE 24, PART 11, TABLE 5.504.4.1 AND TABLE 5.504.4.2)
3. WORKMANSHIP

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

SECTION 8 HOLLOW METAL DOORS AND FRAMES

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
2. MATERIALS
 - A. DOORS - 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.
 - B. FRAMES - 16 GA COLD ROLLED, 2" FACES, CS242 MIN. 3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR, EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.
3. WORKMANSHIP

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

SECTION 9C INTERIOR AIR QUALITY CONTROL

- 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"):
1. ADHESIVES, SEALANTS, CAULKS SECTION 5.504.4.1
 2. PAINTS, COATINGS SECTION 5.504.4.3
 3. AEROSOL PAINTS & COATINGS SECTION 5.504.4.3.1
 4. CARPET SYSTEMS SECTION 5.504.4.4
 5. CARPET SHALL MEET CRIS' "GREEN LABEL PLUS" PROGRAM, NSF/ANSI "140 GOLD" LEVEL, OR OTHER APPROVED TESTING PER 5.504.4.4.
 6. CARPET CUSHION OR PAD SECTION 5.504.4.4.1
 7. CARPET ADHESIVE SECTION 5.504.4.4.2
 8. ADHESIVES SHALL MEET THE REQUIREMENTS OF TABLE 5.504.4.1.
 9. COMPOSITE WOOD PRODUCTS SECTION 5.504.4.5
 10. ALL COMPOSITE WOODS MUST NOT EXCEED THE FORMALDEHYDE LIMITS AS SPECIFIED IN ARBS "AIR TOXICS CONTROL MEASURE" (17 CCR 93120), OR NON-EXEMPT MATERIALS PER TABLE 5.504.4.5.
 11. RESILIENT FLOORING SYSTEMS SECTION 5.504.4.6
 12. RESILIENT FLOORING SHALL BE CERTIFIED UNDER THE "FLOORSCORE" PROGRAM BY RFLCI, COMPLY WITH CA-CHPS, OR OTHER APPROVED TESTING PER 5.504.4.6.
 13. HVAC FILTER MERV RATING OF 13 AND MINIMUM 2-INCH DEPTH) SECTION 5.504.5.3.1
 14. SEE SHEET M1.7 FOR HVAC FILTER REQUIREMENTS

SECTION 13 SITE ASSEMBLY

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT. UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. ASSEMBLY OF ELEMENTS
 - A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT. (APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
 - B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSPORTED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
 - C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTIONS ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

SECTION 23 AIR CONDITIONING

1. SCOPE OF WORK (SEE SHEET M1.7 FOR HVAC SPEC. AND NOTES)

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES. REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
2. EQUIPMENT

SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.
3. WORKMANSHIP

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

SECTION 26 ELECTRICAL

1. SCOPE OF WORK
 - A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT, EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVACS).
 - B. PROVIDE CONDUIT WITH PULL STRINGS AND JUNCTION BOXES FOR AUTOMATIC DETECTION FIRE ALARM SYSTEM AND NOTIFICATION PER NFPA 72.
2. MATERIALS
 - A. ELECTRIC METALLIC TUBING - COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARIZED. EXTERIOR FLEX-GALV. STEEL WITH FACTORY APPLIED P.V.C. JACKET.
 - B. PANEL BOARDS - FLUSH MOUNTED.
 - C. CONDUCTORS - COPPER, INSULATED FOR 600 VOLTS. TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE #14.
 - D. RECEPTACLES - AS NOTED. +18" A.F.F. MIN. TO BOTTOM OF BOX
 - E. CLOCK RECEPTACLE - AS NOTED.
 - F. SWITCHES - AS NOTED. +48" A.F.F. MAX. TO TOP OF BOX
 - G. LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.
3. WORKMANSHIP

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

INSPECTION

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS:

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

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

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE OF OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY, OR FROM THE STORAGE FACILITY TO THE SITE, THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM DSA 152-IP).

A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

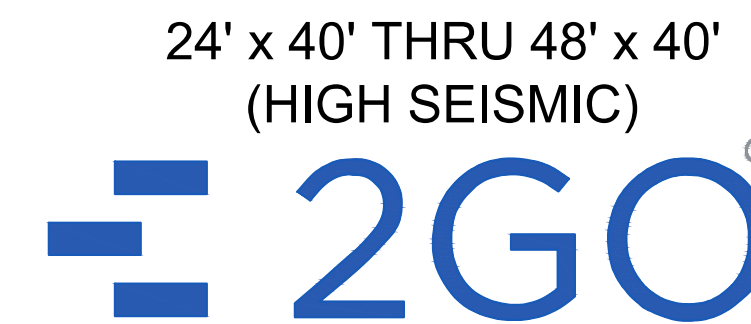
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120719 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/3/2022



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 DRAWINGS, SPECIFICATIONS, 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 ANY BUILDING OR PART 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 CONSIDERED A VIOLATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME



SITE SPECIFIC PROJECT NAME

-
-
-

~~IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-119283-1 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/20/2021~~

2019 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

MANUFACTURER PROFESSIONAL OF RECORD ON PC



- A. ELECTRIC METALLIC TUBING - COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARIZED. EXTERIOR FLEX-GALV. STEEL WITH FACTORY APPLIED P.V.C. JACKET.
- B. PANEL BOARDS - FLUSH MOUNTED.
- C. CONDUCTORS - COPPER, INSULATED FOR 600 VOLTS. TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE #14.
- D. RECEPTACLES - AS NOTED. +18" A.F.F. MIN. TO BOTTOM OF BOX
- E. CLOCK RECEPTACLE - AS NOTED.
- F. SWITCHES - AS NOTED. +48" A.F.F. MAX. TO TOP OF BOX
- G. LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.

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

REVISIONS

△	
△	
△	
△	

DRAWN BY: AD/SH
SCALE: AS NOTED
DATE: 03/11/21
PROJECT NO: XXXX-21

SHEET TITLE:

GENERAL NOTES & SPECIFICATIONS

SHEET NUMBER:

N1.0

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

- ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.
- ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE DRPCR THAT SUCH IS THE CASE.
- CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.
- WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS

- UP TO FOUR (4) MODULES, APPROXIMATELY 12' x 40', DESIGNED SO THAT TWO (2) OR MORE MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE, TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF, AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.
- EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH (2) IMPRINTED (STAMPED, NOT ENGRAVED) METAL IDENTIFICATION TAGS 3"x1-1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:
 - MANUFACTURER'S NAME AND BUILDING SERIAL NUMBER.
 - DESIGN WIND SPEED / EXPOSURE
 - DESIGN SEISMIC S_{DS} VALUE
 - DESIGN ROOF LIVE LOAD & SNOW LOAD.
 - DESIGN FLOOR LIVE LOAD
 - D.S.A. APPLICATION NUMBER
- 2-TAGS PER MODULE: ONE ON EXTERIOR, AND ONE ON MODULE BEAM AT FRONT OF BUILDING ABOVE CEILING.
- EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE). WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.
- EACH MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE 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 DRPCR, 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.

INTERIOR

- FLOOR COVERING: PER CBC SECTION 804, COMPLY WITH NFPA 255 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 804.2) SHALL NOT BE LESS THAN CLASS II. CARPET SHALL BE SECURELY ATTACHED, HAVE FIRE 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 4800 MINIMUM. CARPET EDGE TRIM SHALL COMPLY WITH SECTION 11B-303. COLOR TO BE SELECTED BY THE DRPCR, 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", FLEXOCO, 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 SHALL BE MECHANICALLY LAMINATED, WITH THE LONG EDGES WRAPPED, TO THE TACKBOARD. TACKBOARD SHALL BE APPLIED OVER 1/2" SHEETROCK OR OSB SHEATHING. THE VINYL WALL COVERED PANEL SHALL HAVE A CLASS 'C' RATING (PER ASTM E 84 OR UL 723). FLAME SPREAD/SMOKE DEVELOPED INDEX MAXIMUMS PER NOTE #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.
- 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-UP PANELS. SQUARE EDGE. LIGHT REFLECTION 75% MINIMUM. NOISE REDUCTION COEFFICIENT (NRC) MINIMUM ASTM E 84 TESTED, RATED CLASS 'C'; FLAME SPREAD INDEX NOT TO EXCEED 200, SMOKE DEVELOPED INDEX RATING NOT TO EXCEED 450.
- THE INTERIOR ENVIRONMENT SHALL BE ASSEMBLED WITH PRODUCTS THAT CONTRIBUTE TO A HEALTHY INDOOR AIR QUALITY (IAQ). THE FOLLOWING SHALL COMPLY TITLE 24, PART 11 ("CAL-GREEN"), SECTION 5.504.4. (SEE SHEET N1.0, SECTION 9C "INTERIOR AIR QUALITY CONTROL")
- FLAME SPREAD/SMOKE DEVELOPED INDEX (TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723, PER CBC 803.1.1.)

WALL FINISH MATERIAL (CLASS 'A') FLAME SPREAD MAX = 200 SMOKE DEVELOPED MAX = 450	PIPE INSULATION (CLASS 'A') FLAME SPREAD MAX = 25 SMOKE DEVELOPED MAX = 450
BUILDING INSULATION (CLASS 'A') FLAME SPREAD MAX = 25 SMOKE DEVELOPED MAX = 450	DUCT INSULATION (CLASS 'A') FLAME SPREAD MAX = 50 SMOKE DEVELOPED MAX = 50

DOORS & WINDOWS

- EXTERIOR DOORS: METAL DOORS 3'-0"x7'-0" HOLLOW METAL DOOR CONSTRUCTION WITH A WEIGHT OF 18 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. DOORS 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 1010.1.1).
- EXTERIOR WINDOWS: PROVIDE ANODIZED ALUMINUM FRAME 5/8" MINIMUM DUAL PANE WINDOW UNITS. AS SHOWN ON FLOOR PLANS, THE 5/8" DIMENSION IS THE MINIMUM THICKNESS FOR THE DUAL GLAZED WINDOW PANEL CONSISTING OF TWO LITES OF GLASS AND THE AIR SPACE.
- GLAZING MATERIAL SHALL BE EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS OR LAMINATED AS -1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM. INTERIOR LITE - 1/8" MINIMUM CLEAR TEMPERED. MINIMUM AIR SPACE SHALL BE 1/4" SPACE - BENT OR SEALED CORNER ALUMINUM WITH DESICCANT FILL SEALER - BUTYL PRIMARY SEAL AND POLYSULFIDE OR SILICONE SECONDARY SEAL. CERTIFICATION - ALL GLAZING TO BE CERTIFIED IN ACCORDANCE WITH ASTM E-773, E-774.
- HEADER HEIGHT SHALL BE THE SAME AS THE DOOR. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREENS. WINDOWS SHALL NOT BE MOUNTED TO THE EXTERIOR OSB SURFACE. ALL WINDOWS SHALL MEET THE AAMA G5101-88 VOLUNTARY SPEC. FOR ALUMINUM PRIME WINDOWS AND SLIDING GLASS (ANSI 1), COMMERCIAL GRADE.
- 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 THOROUGHLY CLEANED PROGRESSIVELY DURING CONSTRUCTION AND COMPLETION OF THE JOB. ALL OPEN ENDS OF DUCTWORK AND EQUIPMENT SHALL BE COVERED AT END OF EACH WORK DAY AND DURING SHIPMENT OF RELOCATABLE BUILDINGS

FOUNDATION CLEARANCES FROM SLOPES

CBC 1808A.7.1 BUILDING CLEARANCE FROM ASCENDING SLOPES. IN GENERAL, BUILDINGS BELOW SLOPES SHALL BE SET A SUFFICIENT DISTANCE FROM THE SLOPE TO PROVIDE PROTECTION FROM SLOPE DRAINAGE, EROSION AND SLOPE 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 FROM THE TOP OF THE FOUNDATION AND A PLANE DRAWN TANGENT TO THE SLOPE AT AN ANGLE OF 45 DEGREES (0.79 RAD) TO THE HORIZONTAL, WHERE A RETAINING WALL IS CONSTRUCTED AT THE TOE OF THE SLOPE. THE HEIGHT OF THE SLOPE SHALL BE MEASURED FROM THE TOP OF THE WALL TO THE TOP OF THE SLOPE.

CBC 1808A.7.2 FOUNDATION SETBACK FROM DESCENDING SLOPE SURFACE. FOUNDATIONS ON OR ADJACENT TO SLOPE SURFACES SHALL BE FOUND IN FIRM MATERIAL WITH AN EMBEDMENT AND SET BACK FROM THE SLOPE SURFACE SUFFICIENT TO PROVIDE VERTICAL AND LATERAL SUPPORT FOR THE FOUNDATION WITHOUT DETRIMENTAL SETTLEMENT. EXCEPT AS PROVIDED FOR IN SECTION CBC 1808A.7.5 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 TOE OF THE SLOPE.

FIRE EXTINGUISHER

- EACH CLASSROOM SHALL BE EQUIPPED WITH PRESSURE TYPE FIRE EXTINGUISHERS WITH 2A10BC UL RATING. MOUNT ON THE INTERIOR WALL OF THE BUILDING NEAR THE DOORWAY(S) AT A MAXIMUM HEIGHT OF 4 FEET TO THE TOP OF THE OPERATING HANDLE. THE MINIMUM HEIGHT OF MOUNTING SHALL BE 3' OR LESS A.F.F. FIRE EXTINGUISHERS SHALL BE TOTALLY CHARGED AND HAVE A DIAL INDICATING THE STATE OF CHARGE.

ACCESSIBILITY STANDARDS

REFERENCE: 2019 CALIFORNIA BUILDING CODE (TITLE 24, PART 2, CCR), CHAPTER 11B "ACCESSIBILITY TO PUBLIC..."

SECTION 11B-206.2 BUILDING ACCESSIBILITY, GENERAL

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

SECTION 11B-216 SIGNAGE

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

SIGNAGE IS REQUIRED:

- TO IDENTIFY PERMANENT ROOMS & SPACES
- TO PROVIDE DIRECTIONS AND INFORMATION ABOUT SPACES & FACILITIES
- TO IDENTIFY MEANS OF EGRESS
 - AREAS OF REFUGE AND AREA FOR ASSISTED RESCUE (PER 1009.9 AND 1009.11)
 - DIRECTIONS TO AN EXIT (PER 1009.10)
 - DELAYED EGRESS LOCKS (PER 1010.1.9.7 ITEM 6)
- EXIT WAYS (PER 1013.4)
 - AT EACH GRADE LEVEL EXTERIOR EXIT DOOR
 - AT AN EXIT BY MEANS OF A STAIRWAY OR RAMP ("EXIT STAIR DOWN" OR "EXIT RAMP DOWN")
 - AT AN EXIT ROUTE VIA ENCLOSURE, PASSAGEWAY, CORRIDOR, HALLWAY, ETC.
 - OTHER HORIZONTAL WAYS WHERE THE EXIT OR EXIT PATH IS NOT IMMEDIATELY VISIBLE (PER 1013.1)
- TO IDENTIFY ACCESSIBLE PARKING SPACES
- TO IDENTIFY ENTRANCES OR ROUTE TO AN ACCESSIBLE ENTRANCE
- TO IDENTIFY ELEVATORS
- TO IDENTIFY TOILET ROOMS
- TO IDENTIFY PUBLIC TELEPHONES, TTY AND ASSISTIVE LISTENING SYSTEMS

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

SECTION 11B-404.2.8 DOOR CLOSING SPEED

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

SECTION 11B-404.2.9 DOOR OPENING FORCE

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

SECTIONS 11B-404.2.4.3 RECESSED DOORS

- DOORS RECESSED 8" OR MORE SHALL HAVE STRIKE EDGE CLEARANCES IN ACCORDANCE WITH FIGURE 11B-404.2.4.3.

SECTION 11B-405.5 RAMP WIDTH

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

SECTION 11B-505 HANDRAILS

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

SECTION 11B-606.4 WATER CONTROLS

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

SECTION 11B-604 TOILET ROOMS AND BATHING ROOMS

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

OUTDOOR VENTILATION REQUIREMENTS:

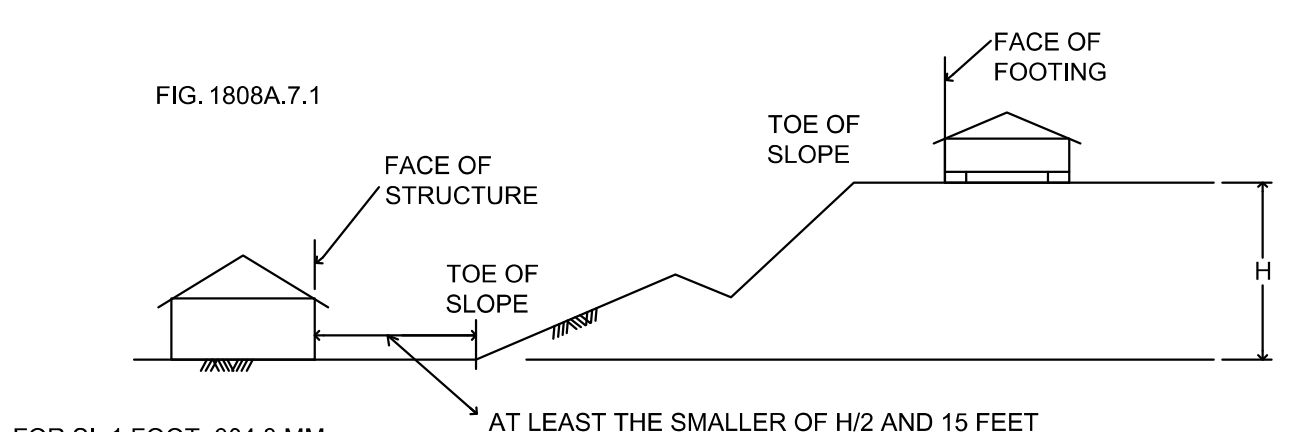
- CLASSROOMS ARE DESIGNED FOR MINIMUM OUTSIDE AIR OF 0.38 CFM PER SF, PER THE CALIFORNIA ENERGY CODE (CEC). SPACES SHALL BE DESIGNED TO THE MINIMUM REQUIREMENTS AS SPECIFIED OR TO 15 CFM PER OCCUPANT, WHICHEVER IS GREATER. THE BUILDING MANUFACTURER SHALL VERIFY WITH THE SCHOOL DISTRICT THE EXPECTED NUMBER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

FASTENERS FOR ATTACHMENT TO STEEL

- SCREWS FOR STEEL TO STEEL & WOOD TO STEEL CONNECTIONS SHALL BE SELF-DRILLING, SELF-TAPPING SCREWS (SDSTS) PER ASTM C1513, UON.
 - HEAD TYPE AS REQUIRED FOR APPLICATION.
 - SCREW LENGTHS TO HAVE 3 EXPOSED THREADS MIN.
- SHOT PINS SPECIFIED FOR PLYWOOD DIAPHRAM TO STEEL CONNECTIONS SHALL BE ET&F PINS PER IAPMO USE REPORT ER-0335.
- SHOT PINS FOR ATTACHMENT OF 2X WOOD OR LIGHT GAUGE STEEL MEMBERS TO STRUCTURAL STEEL SHALL BE HILTI UNO.

ABBREVIATION LEGEND

A	ACCESSIBLE	FRP	FIBERGLASS REINFORCED PLASTIC PANELS	RDW	RESPONSIBLE CHARGE
AC	ASPHALT CONCRETE	FT	FOOT	RDWD	REDWOOD
A/C	AIR CONDITIONING	FTG	FOOTING	REF	REFERENCE
ACI	AMERICAN CONCRETE INSTITUTE	FURR	FURRED (-ING)	REFR	REFRIGERATOR
ACOUS	ACOUSTICAL	GA	GAUGE	REFR	REINFORCING
ADD	ADDENDUM	GB	GYPSUM BOARD	REQ/DIR	REQUIRED
ADDL	ADDITIONAL	GL	GLASS OR GLAZING	RES	RESILIENT
ADJ	ADJUSTABLE OR ADJACENT	GLV/GALV	GALVANIZED	RDW	REDWOOD
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	GSM	GALVANIZED SHEET METAL	RWL	RAIN WATER LEADER
AISI	AMERICAN IRON AND STEEL INSTITUTE	GYP	GYPSUM BOARD	SCH/SCHED	SCHEDULE
ALT	ALTERNATE	GP.BD.	GYPSUM BOARD	SD	STORM DRAIN
ALUM	ALUMINUM	HB	HOSE BIBB	SDSTS	SELF DRILLING SELF TAPPING SCREW
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	H.C.	HOLLOW CORE	SEC	SECTION
ARCH	ARCHITECT(URAL)	HDR	HEADER	SEP	SEPARATION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	HDW	HARDWOOD	SF	SQUARE FEET
		HF	HEM FIR	SHT	SHEET
		HM	HOLLOW METAL (STEEL)	SHTG	SHEATHING
AWC	AMERICAN WOOD COUNCIL	HOR/HORIZ	HORIZONTAL	SIM	SIMILAR
AWPA	AMERICAN WOOD PROTECTION ASSOCIATION	HSS	HOLLOW STRUCTURAL SECTION (STEEL)	SMS	SHEET METAL SCREW
		ISA	ASSOCIATION	SP	STRUCTURAL PLYWOOD
AWS	AMERICAN WELDING SOCIETY	HVAC	HEATING VENTILATING AIR CONDITIONING	SPEC	SPECIFICATIONS
		HW	HOT WATER	SQ	SQUARE
				SS	STAINLESS STEEL
BD	BOARD	IAPMO	INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS	STAGG	STAGGERED
BLG	BLOCKING	ICC	INTERNATIONAL CODE COUNCIL	STN	STAIN
BLKG	BLOCKING	ICC	INTERNATIONAL CODE COUNCIL	STD	STANDARD
BLW	BELOW	ID	INSIDE DIAMETER	STL	STEEL
BM	BEAM	IN	INCH	STS	SELF TAPPING SCREW
BN	BOUNDARY NAILING	INSUL	INSULATE (D), (ION)	STSMS	SELF TAPPING SHEET METAL SCREW
BOT/BOTT	BOTTOM	INT	INTERIOR		
BWVN	BETWEEN	INV	INVERT	T&B	TOP AND BOTTOM
BUR	BUILT UP ROOFING	IR	INTERPRETATION OF REGULATIONS	T&G	TONGUE AND GROOVE
		ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY/ACCESS	TEMP	TEMPERED
CAB	CABINET	JOINT	JOINT	THRU	THROUGH
CB	CATCH BASIN	TOP	TOP	TOOL JOINT	TOOL JOINT
CBC	CALIFORNIA BUILDING CODE	TOC	TOP OF CURB, CRICKET, OR CONCRETE	TOC	TOP OF PARAPET
CCR	CALIFORNIA CODE OF REGULATIONS	KSI	KIPS PER SQUARE INCH (KIPS = 1,000LBS)	TOS	TOP OF SLAB, SHEATHING, OR STEEL
CEM	CEMENT	LAM	LAMINATE(D)	TOW	TOP OF WALL
CF	CUBIC FOOT	LAV	LAVATORY	TRANS	TRANSVERSE
CJ	COMPLETE JOINT	LB	POUND	TS	TOP OF SHEATHING
CLG	CEILING	LLH	LONG LEG HORIZONTAL	TV	TELEVISION
CLR	CLEAR	LLV	LONG LEG VERTICAL	TYP	TYPICAL
CLT	CERAMIC TILE	LNDG	LANDING		
CMU	CONCRETE MASONRY UNIT	LONG	LONGITUDINAL	UNO	UNLESS OTHERWISE NOTED
CNEL	COMMUNITY NOISE EQUIVALENT LEVEL	LAG	LAG SCREW	UNO	UNLESS NOTED OTHERWISE
CO	CLEAN OUT	LT	LIGHT	VAR	VARIABLE
COL	COLUMN	LW	LIGHT WEIGHT	VCT	VINYL COMPOSITION TILE
CONC	CONCRETE	LWC	LIGHT WEIGHT CONCRETE	VCTB	VINYL COVERED TACKBOARD
CONN	CONNECTION	MATL	MATERIAL	VERT	VERTICAL
CONT	CONTINUOUS	MAX	MAXIMUM	VOC	VOLATILE ORGANIC COMPOUND(S)
CSK	COUNTERSINK	MB	MECHANICAL BOLT	VYF	VERIFY
CTRD	CENTERED	MECH	MECHANICAL	VIF	VERIFY IN FIELD
CW	COLD WATER	MFG	MANUFACTURING	VWC	VINYL WALL COVERING
		MFR	MANUFACTURER		
		MIR	MIRROR	W	WITH
DBL	DOUBLE	MISC	MISCELLANEOUS	WD	WOOD
DET	DETAIL	MM	MILLIMETER	WF	WIDE FLANGE
DF	DRINKING FOUNTAIN OR DOUGLAS FIR	DM	DIMENSION	WIN	WINDOW
DIA	DIAMETER	DMT	METAL	W/O	WITHOUT
DIAG	DIAGONAL	DR	DOOR	WS	WOODSCREW
DM	DIMENSION	DS	DOWNSPOUT	WSCOT	WAINSCOT
DIV	DIVISION	NIC	NOT IN CONTRACT	WT	WEIGHT
DR	DOOR	NDS	NATIONAL DESIGN SPECIFICATION	WWF	WELDED WIRE FABRIC
DS	DOWNSPOUT	NWC	NORMAL WEIGHT CONCRETE		
DSA	DIVISION OF THE STATE ARCHITECT			∠	ANGLE
DWG	DRAWING			@	AT
				±	CENTER LINE
(E)	EXISTING	O/	OVER	Ø	DIAMETER
EA	EACH	OC	ON CENTER	DEG	DEGREES
EJ	EXPANSION JOINT	OD	OUTSIDE DIAMETER	M	MODULE LINE
ELEV	ELEVATION	OH	OPPOSITE HAND OR OVERHANG	±	PLUS/MINUS
ELECT	ELECTRICAL	OL	OCCUPANT LOAD		
EMBED	EMBEDMENT	OPG	OPENING		
EMT	ELECTRICAL MAGNETIC TUBING	OPP	OPPOSITE		
EN	EDGE NAILING	OSB	ORIENTED STRAND BOARD		
ETC	ET CETERA				
EQ	EQUAL	PAF	POWER-ACTUATED FASTENER		
EW	EACH WAY	PL	PROPERTY LINE		
EXP	EXPOSURE	PLAM	PLASTIC LAMINATE		
EXT	EXTERIOR	PLAS	PLASTER		
		PLF	POUNDS PER LINEAR FOOT		
F	FAHRENHEIT	PLT	PLATE		
FUT	FUTURE	PLW/DPLY	PLYWOOD		
FAB	FABRICATION	PNL	PANEL		
FAC	FACTORY	POC	POINT OF CONNECTION		
FD	FLOOR DRAIN	PS	PRODUCT STANDARD		
FIN	FINISH	PSF	POUNDS PER SQUARE FOOT		
FLR	FLOOR	PSI	POUNDS PER SQUARE INCH		
FLSHG	FLASHING	PSL	PARALLEL STRAND LUMBER		
FN	FIELD NAILING	PT	PRESSURE TREATED		
FN/FNDN	FOUNDATION	PTDF	PRESERVATIVE TREATED DOUGLAS FIR PARTITION		
FOC	FACE OF CONCRETE	PVN	POLYVINYL CHLORIDE		
FOCOL	FACE OF COLUMN				
FOP	FACE OF FINISH	R	RISER		
FOP	FACE OF FINISH	RD	ROOF DRAIN		
FOP	FACE OF PLYWOOD	RDRPC	REGISTERED DESIGN PROFESSIONAL IN		



FOR SI: 1 FOOT=304.8 MM.

INTELLECTUAL PROPERTY & PROPRIETARY RIGHTS STATEMENT

COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS) AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL PROPERTY AND PROPRIET

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022



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 INDIRECTLY AND MAY NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF ANY BUILDING (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
 24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)

SITE SPECIFIC PROJECT NAME
 STOCKPILE
 (1) 48'x40' BUILDING

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
 MANUFACTURER PROFESSIONAL OF RECORD ON PC

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

REVISIONS

DRAWN BY: AB
 SCALE: AS NOTED
 DATE: 10/26/22
 PROJECT NO: 1730-22
 SHEET TITLE:

TYPICAL SCHEDULES
 DOORS, WINDOWS
 & FINISHES

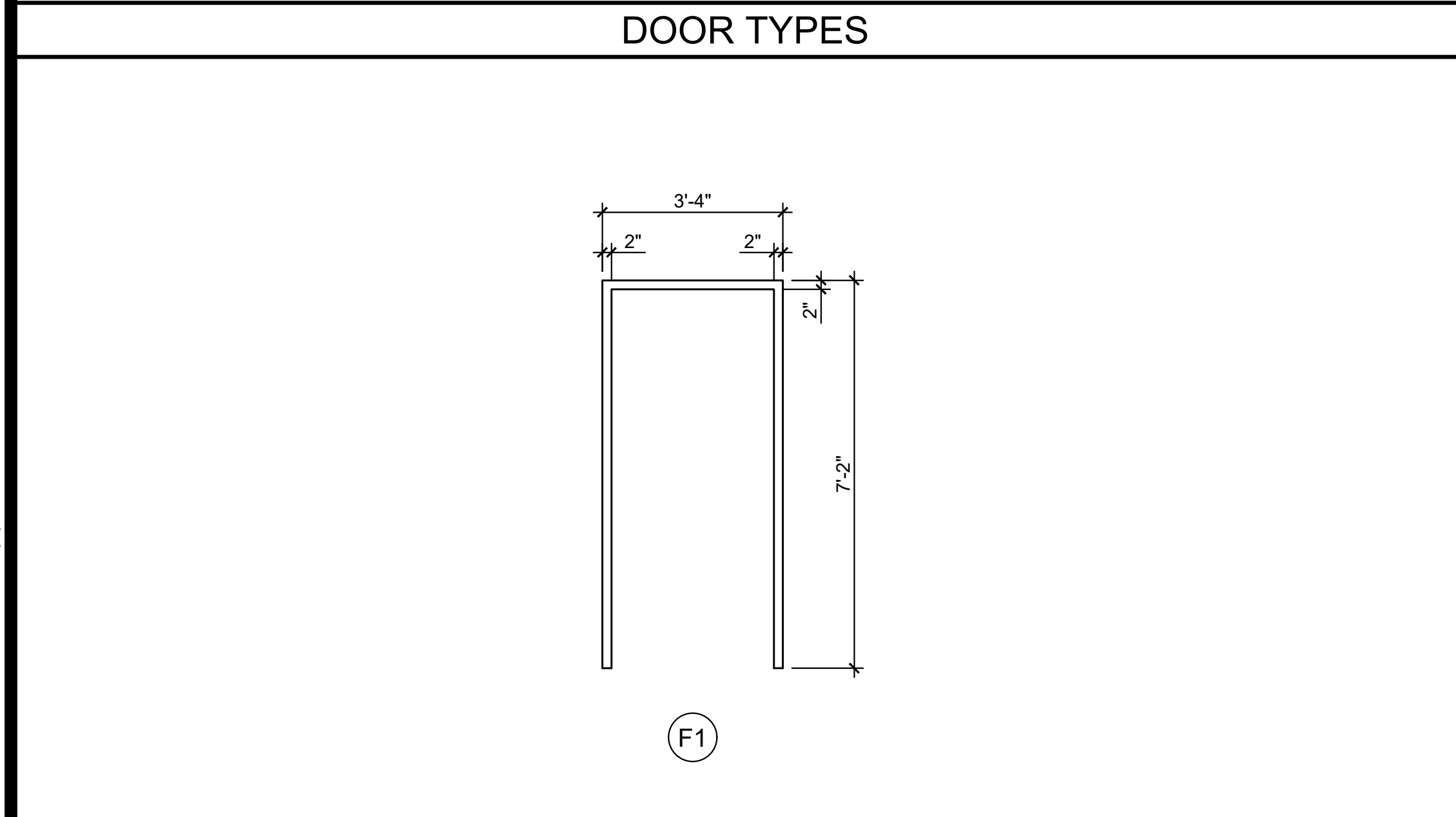
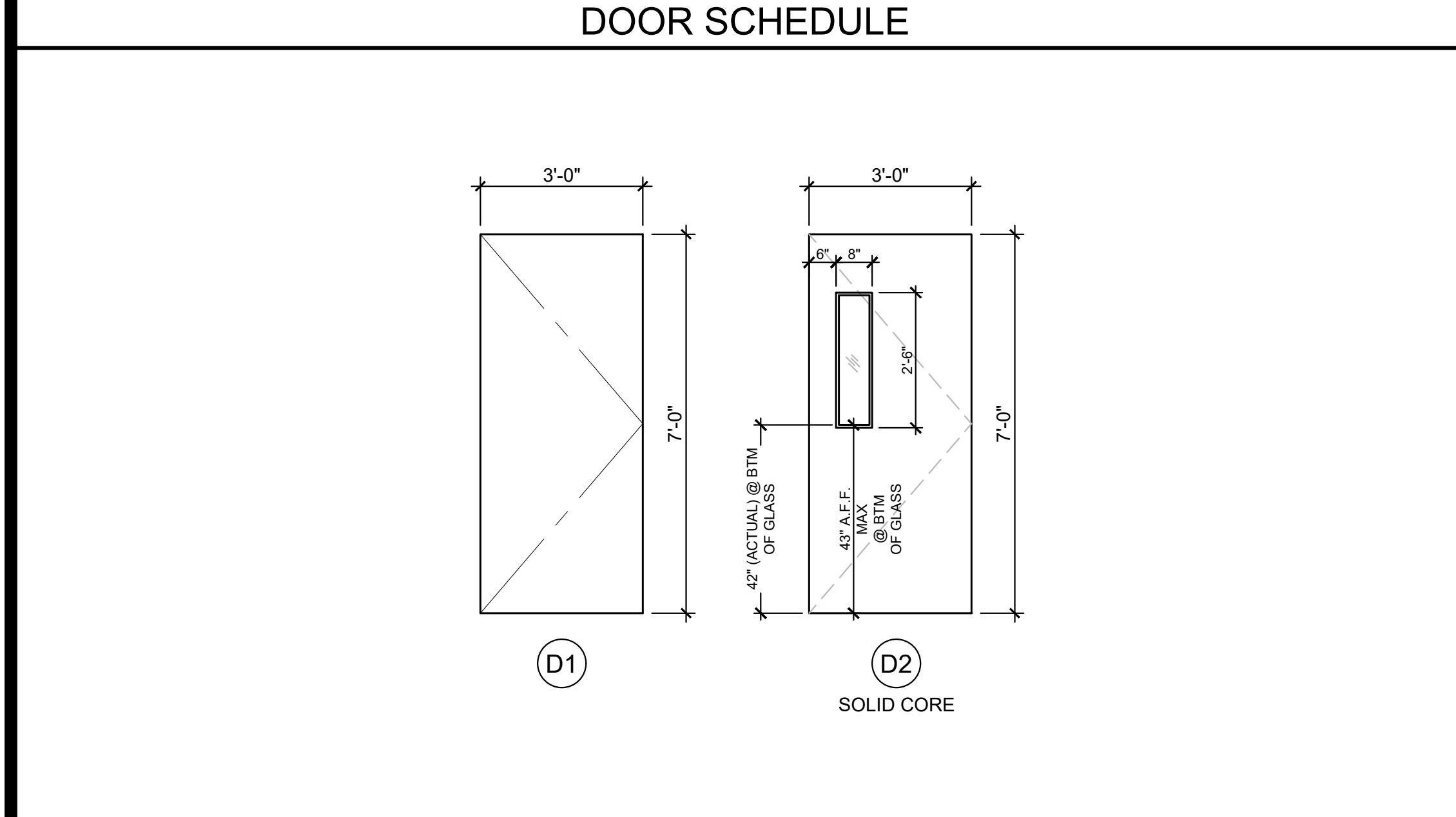
SHEET NUMBER:
N3.0

DOORS					FRAMES			REMARKS		
DOOR NO.	DOOR TYPE	DOOR SIZE	QUANTITY	MATERIAL	FINISH	HARDWARE SET NO.	FRAME TYPE		MATERIAL	FINISH
1	D1	3'-0" x 7'-0"	2	HM	PT	B	F1	S	PT	HARDWARE LOCKABLE FROM THE INSIDE. SEE DOOR NOTE #3
2	D2	3'-0" x 7'-0"	3	SC	CLR	C	F1	S	PT	

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

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

DOOR NOTES
 1. DOORS SHALL COMPLY WITH C.B.C. SECTION 1010.
 2. CLASSROOMS > 1000 S.F. WILL REQUIRE PANIC HARDWARE THAT COMPLIES WITH C.B.C. SECTION 1010.1.10.
 3. PER C.B.C. 1010.1.11: PROVIDE LOCKS THAT ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANCY OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. LOCKS SHALL COMPLY WITH C.B.C. SECTION 1010.1.9.



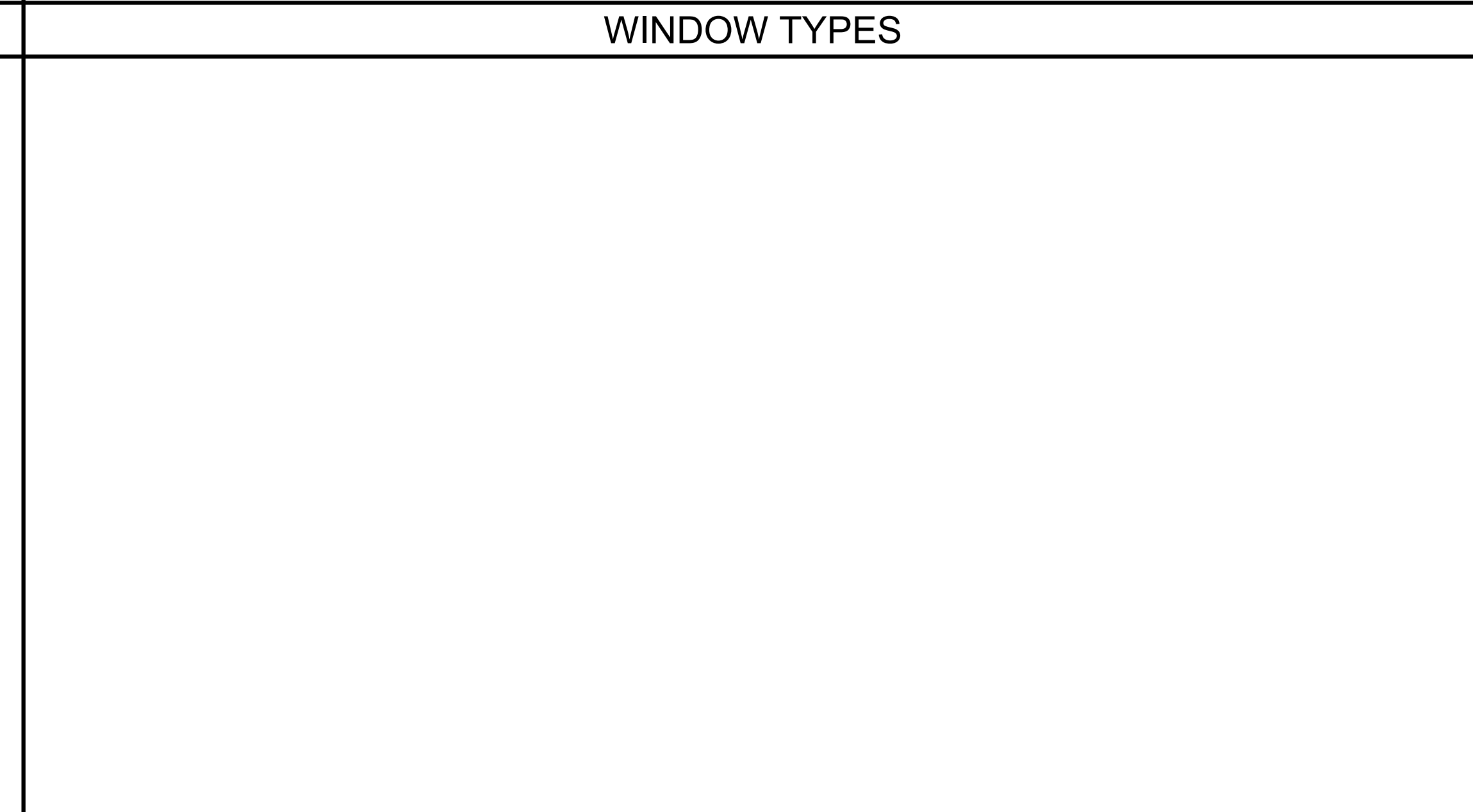
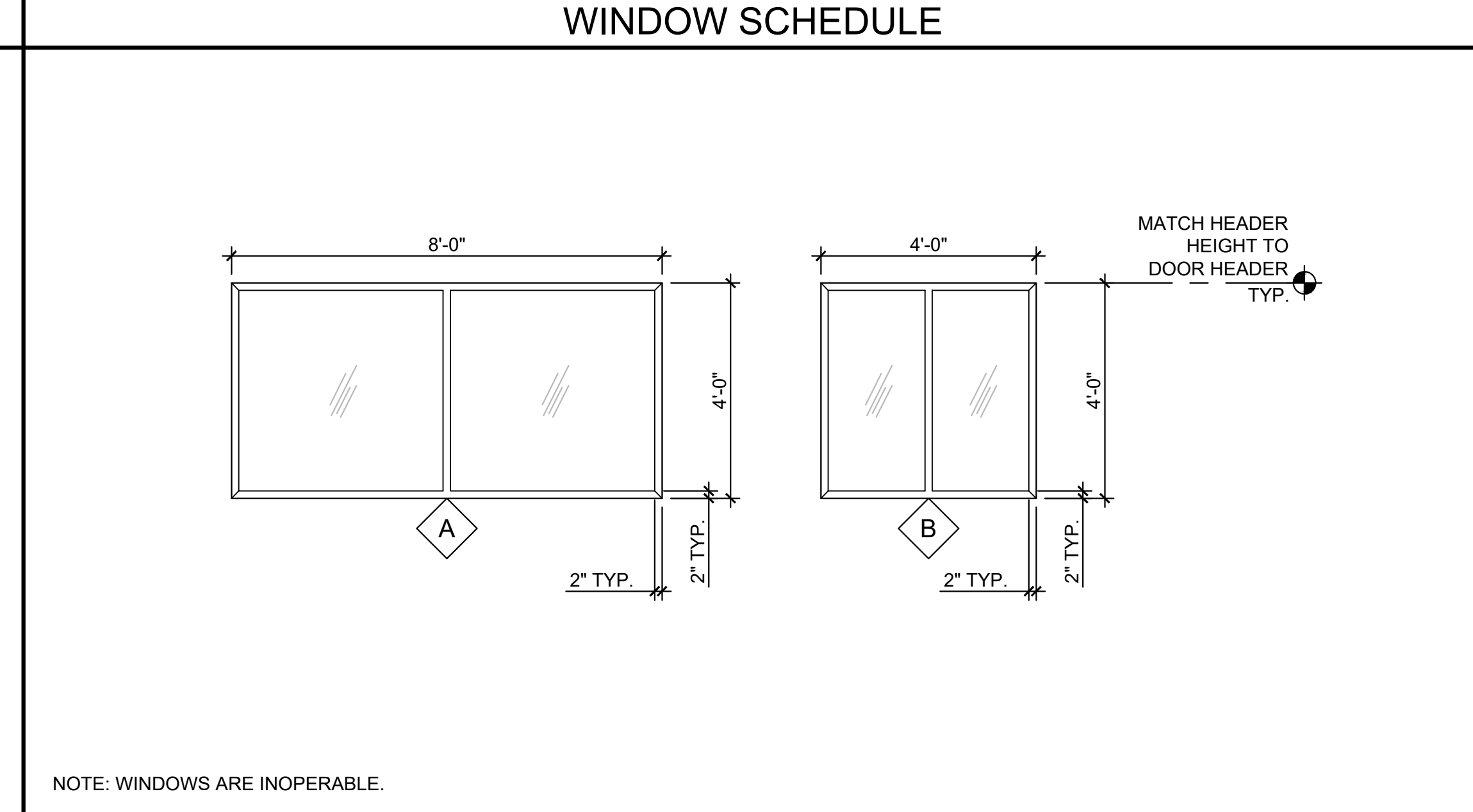
DOOR FRAME TYPES

A	EXTERIOR DOOR LOCKSET w/LEVER RHODES-66HLAGE-NB95PD
B	EXTERIOR DOOR PANIC BAR w/PULL ON EXTERIOR VON DUPRIN AX22NL (REQUIRED WHEN OCCUPANT LOAD IS 50 OR MORE)
C	INTERIOR PASSAGE COPPER CREEK 6220-PASSAGE w/ADA LEVER
D	INTERIOR RESTROOM COPPER CREEK 6231-RESTROOM w/ADA LEVER
E	INTERIOR ENTRY/OFFICE COPPER CREEK 6241-ENTRY/OFFICE w/ADA LEVER
F	INTERIOR STOREROOM COPPER CREEK 6250-STOREROOM w/ADA LEVER
G	INTERIOR CLASSROOM COPPER CREEK 6260-CLASSROOM w/ADA LEVER

EXTERIOR DOOR HARDWARE
 1. HINGES: HAGER 4-1/2x4-1/2 BUTTS, BB1279 US26D, 1-1/2 PAIR PER DOOR, WITH SET SCREW IN BARREL AND BALL BEARING DESIGN.
 2. CLOSER: NORTON 8500DA OR 8500BF SERIES, LCN 1480 DEL SERIES OR EQUAL, (5 LBS. MAX. PRESSURE)
 3. WEATHERSTRIPPING: ALL EXTERIOR DOORS SHALL BE WEATHERSTRIPPED WITH PEMKO 299D, ULTRA WS007 OR EQUAL, AT DOOR JAMBS AND HEAD.
 4. THRESHOLD: THRESHOLD SHALL BE PEMKO 271 AV 5" ALUMINUM WITH PEMKO 216 AV ULTRA TH042 DOOR BOTTOM.
 5. LOCKDOWN: INTERIOR TEACHERS' MANUAL LOCK FOR CAMPUS LOCK DOWN CRITERIA - REQUIRED FOR STATE-FUNDED SCHOOLS, PER EDUCATION CODE SECTION 17075.50 (AND ALSO CBC 1010.1.11): PROVIDE LOCKS THAT ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANCY OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. LOCKS SHALL COMPLY WITH C.B.C. SECTION 1010.1.9.

*ADDITIONAL DOORS MAY BE REQUIRED BASED ON BUILDING LAYOUT.

WINDOW TYPE	QTY.	FUNCTION	W WIDTH	H HEIGHT	FINISH	GLASS TYPE	U FACTOR	SHGC	VT MIN	MIN STC RATING	REMARKS
A	3	FIXED	8'-0"	4'-0"	BRONZE ANODIZED	SOLAR GREY ⁶	0.780	0.430	0.37	27	INOPERABLE
B	3	FIXED	4'-0"	4'-0"	BRONZE ANODIZED	SOLAR GREY ⁶	0.780	0.430	0.37	27	INOPERABLE



DOOR HARDWARE NOTES

- OPERABLE PARTS OF DOOR HARDWARE SHALL BE 34" MINIMUM AND 44" MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.
- HANDLES, PULLS, LATCHES, LOCKS AND OTHERS OPERABLE PARTS ON DOORS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 lbs. MAX. (11B-404.2.7, 11B-309.4)

ROOM NUMBER	ROOM NAME	FLOOR	FINISHES						REMARKS
			BASE	FRONT	REAR	RIGHT	LEFT	CEILING	
101	CLASSROOM	C	D	F	F	F	K	8'-6"	
102	OFFICE	C	D	F	F	F	K	8'-6"	
103	OFFICE	C	D	F	F	F	K	8'-6"	
104	OFFICE	C	D	F	F	F	K	8'-6"	

FINISH INDICATOR OPTIONS

A - CARPET, PER STATE OF CALIF SPEC COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600.
 B - VINYL SHEET FLOORING, 0.6 MIN. C.D.F. PER ASTM D 2047
 C - VCT; ARMSTRONG, STANDARD, OR EXCELON.
 D - TOP SET BASE, 4"
 E - TOP SET BASE, 6"
 F - WALL FINISH: 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING
 G - 1/2" W.R. GYP BOARD; TAPE, PAINTED FINISH
 H - 1/2" GYP BOARD; TAPE, PAINTED FINISH
 J - 3/32" F.R.P.; OVER 1/2" W.R. GYP BOARD
 K - ACOUSTICAL LAY-IN GRID CEILING PANELS; 2x2' OR 2'x4'
 L - 1/2" VINYL TACKBOARD; CLASS 1, OVER 5/8" TYPE "X" GYP BOARD BACKING
 M - 5/8" TYPE "X" GYP BOARD; TAPE, TEXTURE, PAINTED FINISH
 N - CERAMIC TILE - (FULL HEIGHT AT WALLS)
 O - NOT USED
 P - NOT USED

ROOM FINISHES SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	FRONT	REAR	RIGHT	LEFT	CEILING	CEILING HEIGHT	REMARKS
101	CLASSROOM	C	D	F	F	F	F	K	8'-6"	
102	OFFICE	C	D	F	F	F	F	K	8'-6"	
103	OFFICE	C	D	F	F	F	F	K	8'-6"	
104	OFFICE	C	D	F	F	F	F	K	8'-6"	

DOOR HARDWARE SCHEDULE

DOOR NO.	DOOR TYPE	DOOR SIZE	QUANTITY	MATERIAL	FINISH	HARDWARE SET NO.	FRAME TYPE	MATERIAL	FINISH	REMARKS
1	D1	3'-0" x 7'-0"	2	HM	PT	B	F1	S	PT	HARDWARE LOCKABLE FROM THE INSIDE. SEE DOOR NOTE #3
2	D2	3'-0" x 7'-0"	3	SC	CLR	C	F1	S	PT	

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

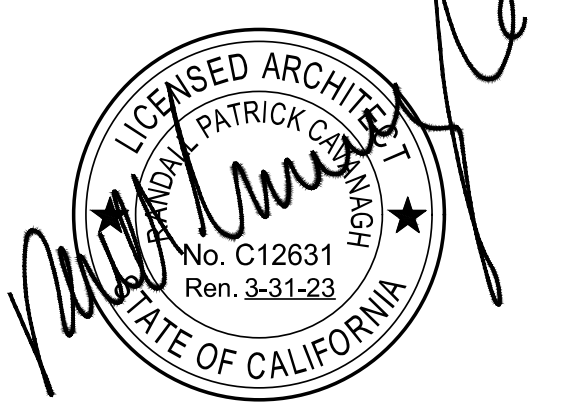
AMS
 American Modular Systems
 787 Spreckels Ave., Manteca, CA 95336
 Phone (209) 825-1921 Fax (209) 825-7018
 www.americanmodular.com

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 DRAWINGS, SPECIFICATIONS 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 BUILDING, 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 CONSIDERED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 .
 .

~~IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-19283 INC.
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021~~

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
 MANUFACTURER PROFESSIONAL OF RECORD ON PC


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

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21
 SHEET TITLE:
ACCESSIBILITY STANDARDS AND DETAILS
 SHEET NUMBER:
N4.0

WALL MOUNTED RESTROOM SYMBOLS-MEN
 NOT TO SCALE

NOTE:
 * (SIGN...)

LETTERING AND PICTOGRAMS SHALL CONTRAST WITH THEIR BACKGROUND, AND HAVE A NON-GLARE FINISH.

ISA (OR INTERNATIONAL SYMBOL OF ACCESSIBILITY) ONLY PERMITTED AT
 LOCATE TEXT DESCRIPTORS DIRECTLY BELOW PICTOGRAM AND NUMBER DETAIL 10.

BRAILLE, DIRECTLY BELOW TEXT (BRAILLE PER DETAIL 10)

RADIUS CORNERS, 0.125" MIN. (TYP.)

NOT USED

NOTES:
 1. ATTACH SIGNS USING ADHESIVE AND (2) TWO FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH WALL MATERIAL.
 2. LOCATE PER DETAIL 4.
 3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.

DOOR MOUNTED RESTROOM SYMBOLS-WOMEN
 NOT TO SCALE

NOTE:
 * (SIGN...)

1/2" THICK CIRCLE SHALL CONTRAST W/ DOOR

GEOMETRIC SYMBOLS SHALL HAVE EDGES EASED, TYP.

NOT USED

NOTES:
 1. ATTACH SIGNS USING ADHESIVE AND (2) TWO FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH DOOR MATERIAL.
 2. LOCATE PER DETAIL 4.
 3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
 4. GEOMETRIC SYMBOLS SHALL COMPLY WITH 11B-703.7.2.6

WALL MOUNTED RESTROOM SYMBOLS-UNISEX
 NOT TO SCALE

NOTE:
 * (SIGN...)

UNISEX

TEXT PER DETAIL 10/

BRAILLE, DIRECTLY BELOW TEXT (BRAILLE PER DETAIL 10)

RADIUS CORNERS, 0.125" MIN. (TYP.)

NOT USED

NOTES:
 1. ATTACH SIGNS USING ADHESIVE AND (2) TWO FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH WALL MATERIAL.
 2. LOCATE PER DETAIL 4.
 3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
 4. THE UNISEX WALL-MOUNTED SIGN SHALL HAVE RAISED TEXT. CORRESPONDING BRAILLE, AND NO PICTOGRAM (DSA BU 17-01)

ROOM IDENTIFICATION SIGNAGE
 NOT TO SCALE

NOTE:
 * (SIGN...)

EQ. EQ. 9" TYP.

CENTERED ON TACTILE CHARACTERS PER 11B-703.4.2

WALL MOUNTED ROOM I.D. SIGNAGE, PER DETAIL 5/

AT TOILET ROOMS, PLACE RESTROOM SIGN, PER DETAIL 2.7.8/ ON EACH TOILET ROOM DOOR @ 58" TO 60" ABOVE FINISH FLOOR, CENTERED ON DOOR

TYPICAL DOOR

58" - 60" A.F.F.

NOTE:
 SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.

PERMANENT ROOM I.D. SIGNAGE
 NOT TO SCALE

NOTE:
 * (SIGN...)

TACTILE CHARACTERS SHALL BE UPPERCASE, SANS SERIF, RAISED 1/32" MIN., 5/8" MIN. TO 2" MAX HEIGHT, PER C.B.C. SECTION 11B-703.2. COLOR SHALL CONTRAST WITH BACKGROUND AND SHALL HAVE A NON-GLARE FINISH.

LOCATE SIGN PER DETAIL 4

ADMINISTRATION
 A221

BRAILLE SHALL BE CONTRACTED (GRADE 2), LOCATED DIRECTLY BELOW CORRESPONDING TEXT, DOTS 1/10" O.C., PER C.B.C. SECTION 11B-703.3. BRAILLE SHALL BE DOMED OR ROUNDED.

NOTE:
 1. PER 11B-216, NEW OR ALTERED SIGNAGE SHALL COMPLY WITH C.B.C. SECTION 11B-703.
 2. FOR REQUIRED TACTILE & NON-TACTILE SIGNS LOCATIONS, SEE SHEET N2.0, ACCESSIBILITY STANDARDS, "SECTION 11B-216".
 3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
 4. ATTACH SIGNS USING ADHESIVE OR MIN (2) TWO FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH WALL MATERIAL.

WALL MOUNTED RESTROOM SYMBOLS-WOMEN
 NOT TO SCALE

NOTE:
 * (SIGN...)

LETTERING AND PICTOGRAMS SHALL CONTRAST WITH THEIR BACKGROUND, AND HAVE A NON-GLARE FINISH.

ISA (OR INTERNATIONAL SYMBOL OF ACCESSIBILITY) ONLY PERMITTED AT
 LOCATE TEXT DESCRIPTORS DIRECTLY BELOW PICTOGRAM AND NUMBER DETAIL 10.

BRAILLE, DIRECTLY BELOW TEXT (BRAILLE PER DETAIL 10)

RADIUS CORNERS, 0.125" MIN. (TYP.)

NOT USED

NOTES:
 1. ATTACH SIGNS USING ADHESIVE AND (2) TWO FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH WALL MATERIAL.
 2. LOCATE PER DETAIL 4.
 3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.

DOOR MOUNTED RESTROOM SYMBOL-MEN
 NOT TO SCALE

NOTE:
 * (SIGN...)

1/2" THICK TRIANGLE SHALL CONTRAST W/ DOOR

GEOMETRIC SYMBOLS SHALL HAVE EDGES ROUNDED, CHAMFERED OR EASED, TYP.

NOT USED

NOTES:
 1. ATTACH SIGNS USING ADHESIVE AND (2) TWO FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH DOOR MATERIAL.
 2. LOCATE PER DETAIL 4.
 3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
 4. GEOMETRIC SYMBOLS SHALL COMPLY WITH 11B-703.7.2.6

DOOR MOUNTED RESTROOM SYMBOLS-UNISEX
 NOT TO SCALE

NOTE:
 * (SIGN...)

1/2" THICK TRIANGLE, COLOR SHALL CONTRAST WITH CIRCLE

1/2" THICK CIRCLE SHALL CONTRAST W/ DOOR

GEOMETRIC SYMBOLS SHALL CHAMFERED OR EASED, TYP.

NOT USED

NOTES:
 1. ATTACH SIGNS USING ADHESIVE AND (2) TWO FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH DOOR MATERIAL.
 2. LOCATE PER DETAIL 4.
 3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
 4. GEOMETRIC SYMBOLS SHALL COMPLY WITH 11B-703.7.2.6
 5. UNISEX DOOR SYMBOL SHALL BE PROVIDED WITHOUT TEXT, BRAILLE OR THE USE OF A PICTOGRAM PER DSA BU 17-01

INT'L SYMBOL OF ACCESSIBILITY
 NOT TO SCALE

NOTE:
 * (SIGN...)

INTERNATIONAL SYMBOL OF ACCESSIBILITY: WHITE FIGURE ON BLUE BACKGROUND, AND HAVE A NON-GLARE FINISH.

5" 6" 1/2" 1/2"

+5'-0" A.F.F.
 +4'-0" A.F.F. WHEN TWO SIGNS ARE REQUIRED

NOTE:
 1. PROVIDE MECHANICAL MOUNTING w/VANDAL RESISTANT FASTENERS. PROVIDE ADHESIVE MOUNTING SYSTEM WHEN ATTACHED TO GLAZING.
 2. SYMBOL PER C.B.C. SECTION 11B-703.2.1
 3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.

TACTILE SIGNAGE REQUIREMENTS
 NOT TO SCALE

NOTE:
 * (SIGN...)

TACTILE CHARACTERS SHALL BE UPPERCASE, SANS SERIF, RAISED 1/32" MIN., 5/8" MIN. TO 2" MAX HEIGHT, PER C.B.C. SECTION 11B-703.2. COLOR SHALL CONTRAST WITH BACKGROUND AND SHALL HAVE A NON-GLARE FINISH.

LOCATE SIGN PER DETAIL 4

EXIT

BRAILLE SHALL BE CONTRACTED (GRADE 2), LOCATED DIRECTLY BELOW CORRESPONDING TEXT, DOTS 1/10" O.C., PER C.B.C. SECTION 11B-703.3. BRAILLE SHALL BE DOMED OR ROUNDED.

NOTE:
 1. PER 11B-216, NEW OR ALTERED SIGNAGE SHALL COMPLY WITH C.B.C. SECTION 11B-703.
 2. FOR REQUIRED TACTILE AND NON-TACTILE SIGNS LOCATIONS, SEE SHEET N2.0, ACCESSIBILITY STANDARDS, "SECTION 11B-216".
 3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
 4. ATTACH SIGNS USING ADHESIVE OR MIN (2) TWO FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH WALL MATERIAL.

OCCUPANT LOAD SIGN
 NOT TO SCALE

NOTE:
 * (SIGN...)

A. TYPESTYLE: 1" HIGH BLOCK 1/16" THICK ENGRAVED PLASTIC.
 B. MOUNTING: (4) #8x1" SCREWS OR SELF-ADHESIVE HEIGHT AS SHOWN.
 C. CAPACITY POSTING PER C.B.C. SECTION 1004.9 TITLE 19 C.C.R., SECTION 3.30: "THIS ROOM SHALL BE POSTED WITH A DURABLE SIGN NEAR THE MAIN EXIT FROM THE ROOM".
 D. THE SIGN SHALL BE WORDED AS FOLLOWS, WITH THE APPROPRIATE CAPACITY NUMBER LISTED:

1-6"
 60
 THE NUMBER OF PEOPLE PERMITTED IN THIS ROOM SHALL NOT EXCEED ## BY ORDER OF THE STATE FIRE MARSHAL.

70" MAX A.F.F.

NOTE:
 1. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
 2. 11B-216.3 SIGNS THAT PROVIDE INFORMATION ABOUT INTERIOR SPACES SHALL COMPLY WITH SECTION 11B-703.5

THRESHOLD @ EXTERIOR DOOR
 NOT TO SCALE

NOTE:
 * (SIGN...)

PROFILE 'B'

PROFILE 'A'

DOOR

DOOR BOTTOM W/ SWEEP & WEATHERSTRIP

THRESHOLD: EDGES IN DIRECTION OF TRAVEL SHALL SLOPE NO MORE THAN 1/2" MAX SEE PROFILE OPTIONS ABOVE.

#10x2" COUNTERSUNK TEK SCREW, OR AS SUITABLE TO FLOORING SYSTEM, @ 24" O.C. TYP.

FLOORING SYSTEM PER PLAN

1/4":12 MAX SLOPE @ WALKWAY

SIDE REACH AT BASE CABINET
 NOT TO SCALE

NOTE:
 * (SIGN...)

BASE CABINET

BASE CABINET

34" MAX

48" MAX REACH HEIGHT

48" MAX REACH HEIGHT

>10-24" MAX

10" MAX

CONDITION 'A'

CONDITION 'B'

FLOORING TRANSITION DETAIL
 NOT TO SCALE

NOTE:
 * (SIGN...)

ALUMINUM CARPET BAR

RESILIENT FLOORING

UNDERLAYMENT (OPTIONAL)

FASTEN @ 12" O.C. w/FASTENER COMPATIBLE TO FLOOR SYSTEM

CARPET

MAX SLOPE: 1/2"

FLOOR SYSTEM

EGRESS SIGNAGE
 NOT TO SCALE

NOTE:
 * (SIGN...)

EGRESS SIGNAGE IS REQUIRED:
 • TO PROVIDE DIRECTIONS TO AN EXIT (PER C.B.C. 1009.10)
 • AT EXIT WAYS (PER C.B.C. 1013.4)
 1. AT EACH GRADE LEVEL EXTERIOR EXIT DOOR
 2. AT AN EXIT BY MEANS OF A RAMP ("EXIT RAMP DOWN")
 3. AT AN EXIT ROUTE VIA ENCLOSURE, PASSAGEWAY, CORRIDOR, HALLWAY, ETC.
 4. OTHER HORIZONTAL WAYS WHERE THE EXIT OR EXIT PATH IS NOT IMMEDIATELY VISIBLE (PER C.B.C. 1013.1)

SIGNAGE PER C.B.C. SECTION 11B-216. (ALSO REFER TO SECTIONS 11B-703, 1009.9, 1009.10, 1023.9)

NOTE:
 1. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.

SIGN REQUIREMENTS PER DETAIL 10 & 16

A. EXIT

B. NOT USED.

C. EXIT RAMP DOWN

D. EXIT ROUTE

E. TO EXIT

TYPICAL CLASSROOM SIGNAGE LOCATION
 NOT TO SCALE

NOTE:
 * (SIGN...)

OCCUPANT LOAD SIGN (N.I.C.), SEE DETAIL 11/- TYP.

TACTILE EXIT SIGNAGE (N.I.C.), SEE DETAIL 10/- TYP.

18 MIN" CLR

ROOM ID SIGNAGE (N.I.C.), SEE DETAIL 5/- TYP.

NOTE:
 18" MIN CLEAR FLOOR SPACE SHALL BE CENTERED ON THE TACTILE CHARACTERS OF THE SIGN PER 11B-703.4.2

ASSISTIVE LISTENING SIGN
 NOT TO SCALE

NOTE:
 * (SIGN...)

5/8" MINIMUM CHARACTER HEIGHT. THE BASELINE OF THE LOWEST CHARACTER IS 40" A.F.F. MINIMUM.

ASSISTIVE LISTENING SYSTEM AVAILABLE

70" MAX A.F.F.

RADIUS CORNERS, 0.125" MIN. (TYP.)

NOTE:
 1. ATTACH SIGNS USING ADHESIVE AND (2) TWO FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH WALL MATERIAL.
 2. LOCATE AT OR NEAR THE ENTRANCE IN A PROMINENT PLACE. (11B-216.10)
 3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
 4. SYMBOL PER CBC SECTION 11B-703.7.2.4
 5. THE SIGN SHALL COMPLY WITH 11B-703.5 AND SIGN SHALL BE MOUNTED AT A HEIGHT COMPLYING WITH TABLE 11B-703.5.5.

NOT USED
 NOT TO SCALE

NOT USED
 NOT TO SCALE

SHEET NOTES
 NOT TO SCALE

NOTE:
 * (SIGN...)

1. FOR ALL SIGNAGE ON THIS SHEET, CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH.
 2. FOR ALL SIGNAGE ON THIS SHEET, CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND (11B-703.5.1)

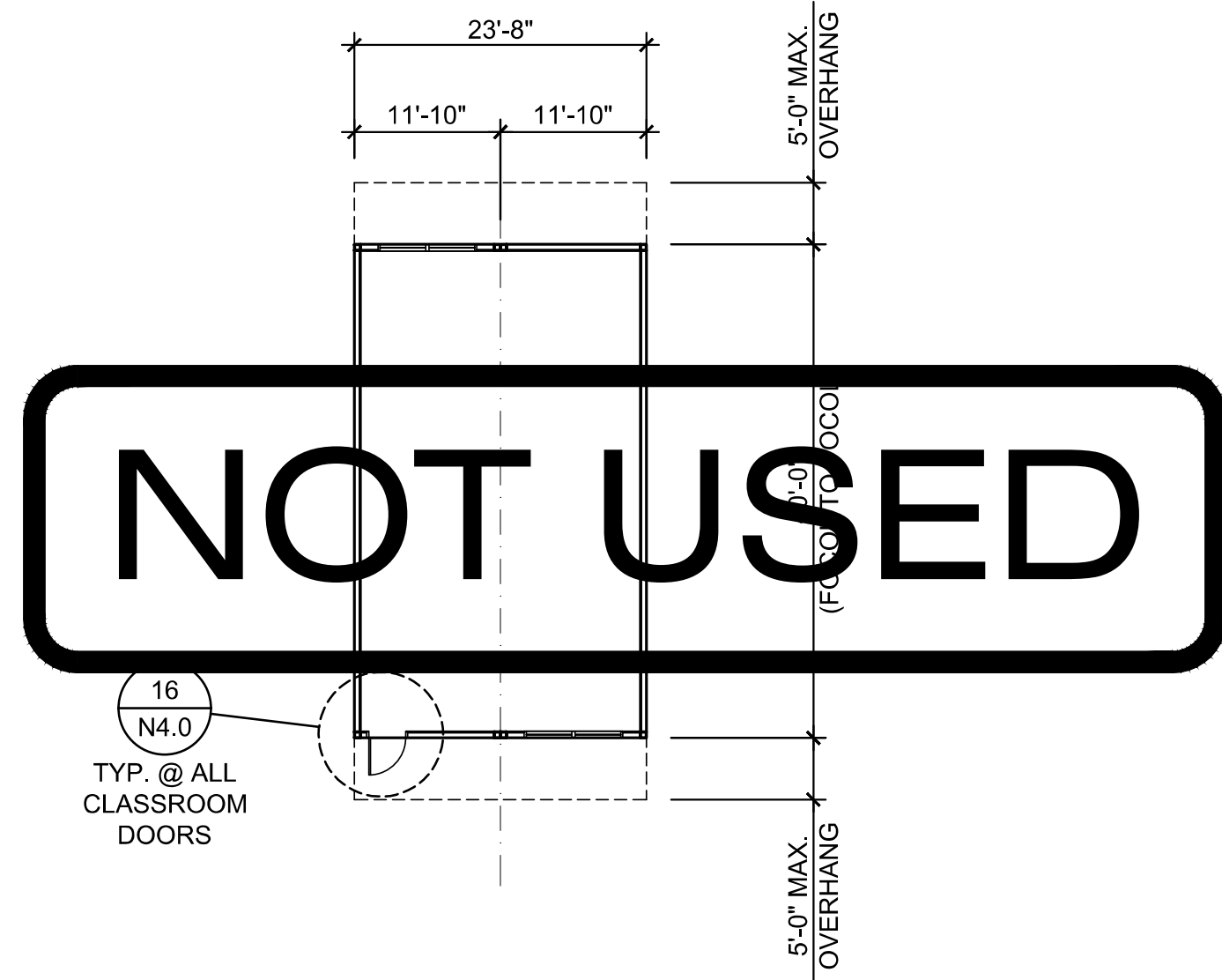
TYPICAL CLASSROOM SIGNAGE LOCATION
 NOT TO SCALE

ASSISTIVE LISTENING SIGN
 NOT TO SCALE

NOT USED
 NOT TO SCALE

NOT USED
 NOT TO SCALE

SHEET NOTES
 NOT TO SCALE



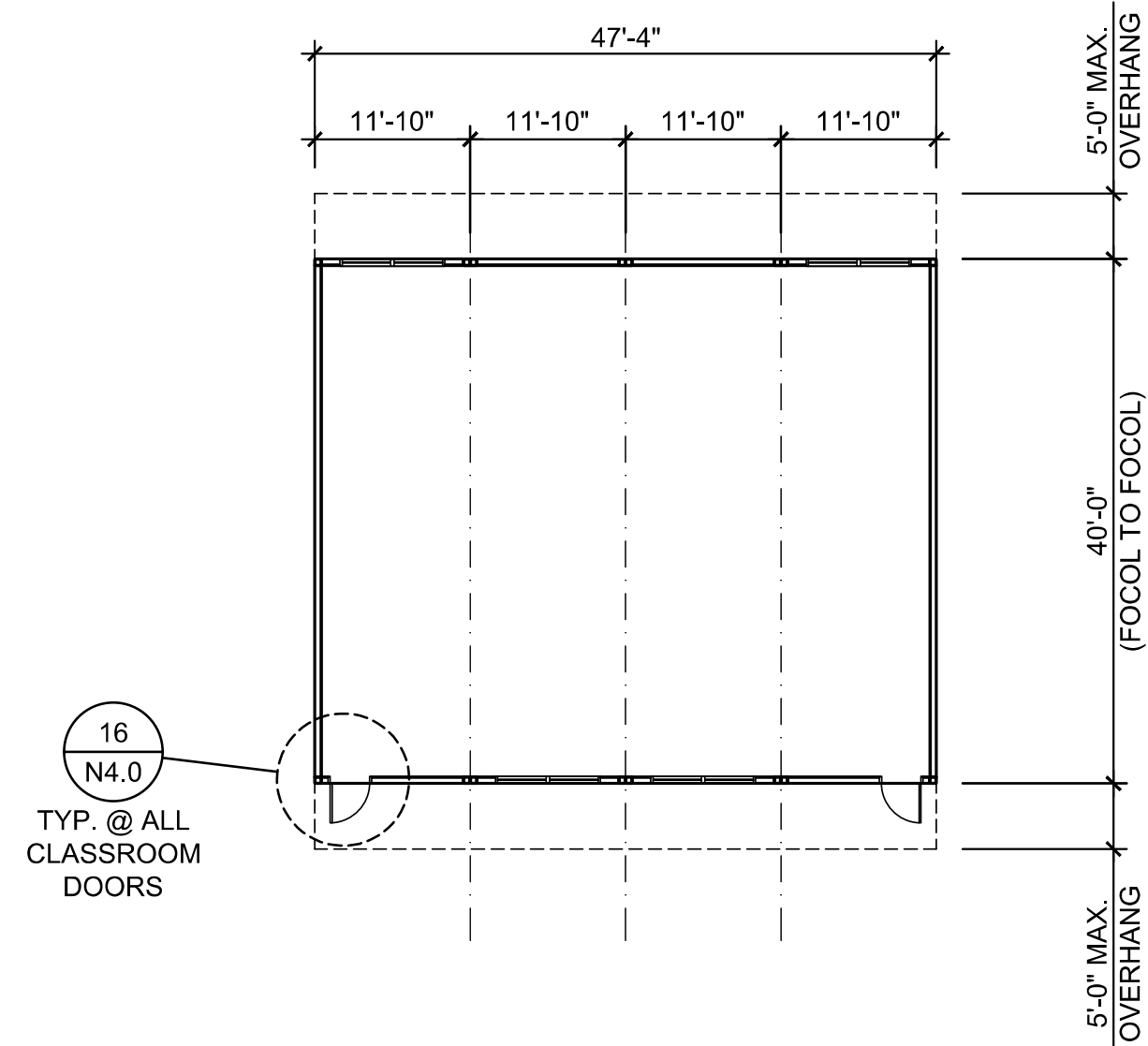
BUILDING DATA					
BUILDING SIZE	OVERALL SIZE ¹	SQUARE FOOTAGE PER FLOOR*	SQ.FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (LOAD FACTOR: 20)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
24' x 40'	23'-8"	947	9500***	47	9.4**
*THE BUILDING SQUARE FOOTAGE IS SUBJECT TO INCREASE AS PERMITTED BY C.B.C. SECTION 506.2 AND 506.3. SEE SHEET NOTE 2.					
**MINIMUM EGRESS WIDTH SHALL BE 34" OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.					
***THIS APPLIES TO E OCCUPANCY, NEED TO CHECK FOR A & B OCCUPANCY.					

24' x 40' BUILDING FLOOR PLAN

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

36' x 40' BUILDING FLOOR PLAN

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



BUILDING DATA					
BUILDING SIZE	OVERALL SIZE ¹	SQUARE FOOTAGE PER FLOOR*	SQ.FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (LOAD FACTOR: 20)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
48' x 40'	47'-4"	1893	9500***	95	19.0**
*THE BUILDING SQUARE FOOTAGE IS SUBJECT TO INCREASE AS PERMITTED BY C.B.C. SECTION 506.2 AND 506.3. SEE SHEET NOTE 2.					
**MINIMUM EGRESS WIDTH SHALL BE 34" OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.					
***THIS APPLIES TO E OCCUPANCY, NEED TO CHECK FOR A & B OCCUPANCY.					

48' x 40' BUILDING FLOOR PLAN

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

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

GENERAL NOTES

- PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER, PER CBC 1010.1.10.
- THE BUILDING SIZES AND SQUARE FOOTAGES REFLECTED ON THIS SHEET ARE SUBJECT TO SQUARE FOOTAGE INCREASE AS PERMITTED BY SITE CONDITIONS, PER CBC 506.2, AND BY AUTOMATIC SPRINKLER SYSTEM, PER CBC 506.3.
- RESTROOM CONFIGURATIONS OCCUR AT OUTER WINGS OF BUILDINGS.
- SEE FOUNDATION DRAWINGS FOR TRUE DIMENSIONS AT FLOOR PLACEMENT AND OVERALL FOUNDATION SIZE.
- FOR ROOM ID SIGNAGE (N.I.C.) SEE DETAIL 5/N4.0. TYPICAL FOR ALL BUILDING CONFIGURATIONS.
- MINIMUM EGRESS REQUIRED SHALL BE 34" PER CLASSROOM OR DIMENSION SPECIFIED IN BUILDING DATA, WHICHEVER IS GREATER.
- BUILDING DATA REPORTED ON THIS SHEET IS INTENDED FOR OCCUPANT LOAD AND EGRESS. TOTAL BUILDING SQUARE FOOTAGE WHICH INCLUDES AREA FROM SITE SPECIFIC OVERHANGS OR PROJECTIONS IS NOT INCLUDED.
- THE CONFIGURATIONS SHOWN ARE NOT OVERALL BUILDING FOOTPRINTS. INTERIOR WALLS/PARTITIONS (IF APPLICABLE) ARE NOT SHOWN FOR CLARITY.

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

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

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

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 DRAWINGS, SPECIFICATIONS 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 MARKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF, ANY BUILDING, 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 CONSIDERED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
 24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 .
 .
 .

~~IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119283 INC.
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021~~

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
 MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
 PATRICK C. HONAN
 No. C12631
 Ren. 3-31-23
 STATE OF CALIFORNIA

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

REVISIONS	
△	
△	
△	
△	

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21

SHEET TITLE:
 MULTIPLE FLOOR PLAN CONFIGURATIONS

SHEET NUMBER:
N5.0

Performance Runs and Orientation Table

PC Design Review Information Title 24-19, Part 6, Energy Code
Date of Title 24 Report: 3/30/2021 DSA Application:
Model Name and Option: AMS PC 24x40 DSA File No:
Total Floor Area: 1,442 sf DSA-1 Submitted Date:
HVAC System Type: VSHF

Climate Zone (Reference City)	Azimuth (Front Orientation)	TDV - Proposed Design	TDV - Standard Design	Compliance Margin
14 (Palmdale)	30	298.8	416.4	117.6
	75	304.2	429.5	125.3
	120	308.4	437.2	128.8
	165	305.4	426.6	121.2
	210	310.4	436.9	126.5
	255	306.6	422.9	116.4
15 (Palm Springs-Intl)	30	341.4	478.8	137.5
	75	350.2	443.8	93.6
	120	354.1	451.2	97.1
	165	347.8	440.7	92.8
	210	348.6	442.7	94.1
	255	344.9	436.9	91.9
16 (Blue Canyon)	30	317.8	393.1	75.3
	75	318.2	381.4	63.3
	120	320.0	372.8	52.7
	165	321.1	362.6	41.4
	210	325.7	378.7	54.0
	255	326.1	366.4	40.3

Comments to DSA: (Explain why this Model Name and Option generates the smallest compliance margins)

Windows increases heating or cooling load due to orientation

Performance Runs and Orientation Table

PC Design Review Information Title 24-19, Part 6, Energy Code
Date of Title 24 Report: 3/30/2021 DSA Application:
Model Name and Option: AMS PC 36x40 DSA File No:
Total Floor Area: 960 sf DSA-1 Submitted Date:
HVAC System Type: VSHF

Climate Zone (Reference City)	Azimuth (Front Orientation)	TDV - Proposed Design	TDV - Standard Design	Compliance Margin
14 (Palmdale)	30	288.3	334.5	66.2
	75	273.4	277.2	3.7
	120	289.0	272.6	3.6
	165	280.0	317.5	57.6
	210	289.6	334.3	64.8
	255	276.5	278.4	1.8
15 (Palm Springs-Intl)	30	300.8	380.0	79.2
	75	310.0	393.0	83.0
	120	307.4	326.3	17.9
	165	294.2	362.2	68.0
	210	303.3	374.4	76.0
	255	314.0	352.8	37.9
16 (Blue Canyon)	30	298.5	300.9	2.4
	75	290.6	305.7	15.1
	120	289.2	301.0	11.7
	165	294.6	322.3	37.5
	210	287.2	299.4	12.2
	255	290.6	303.8	13.0

Comments to DSA: (Explain why this Model Name and Option generates the smallest compliance margins)

Windows increases heating or cooling load due to orientation

Project Name: AMS PC 24x40 250
Project Address: Palmdale 93510
Input File Name: AMS 24x40 for DSA-C2418(c)ch19

NCCP-PRF-01-E Page 3 of 13
Calculation Date/Time: 22:31, Mon, Mar 29, 2021

A. GENERAL INFORMATION			
1	Project Location (City)	Palmdale	8
2	CA Title Code	99310	9
3	Climate Zone	14	10
4	Total Unconditioned Floor Area in Scope	960 SF	11
5	Total Unconditioned Floor Area	0 SF	12
6	Total # of Stories (Habitable Above Grade)	1	13
7	Total # of Dwelling Units	0	14

B. PROJECT SUMMARY
Table Instructions: Table B shows which building components are included in the performance calculation. If indicated as not included the project must show compliance prescriptively (if within permit jurisdiction).

Building Components Complying via Performance		Building Components Complying Prescriptively	
Permittee	Performance	Permittee	Performance
Permittee	Performance	Permittee	Performance
Permittee	Performance	Permittee	Performance

Project Name: AMS PC 24x40 250
Project Address: Palmdale 93510
Input File Name: AMS 24x40 for DSA-C2418(c)ch19

NCCP-PRF-01-E Page 2 of 13
Calculation Date/Time: 22:31, Mon, Mar 29, 2021

C1. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kWh/ft ² -yr)			
Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)
Space Heating	31.37	74.79	-43.42
Space Cooling	134.60	147.47	-12.87
Interior Fans	173.84	91.16	82.68
Heat Rejection	---	---	---
Pumps & Misc.	---	---	---
Domestic Hot Water	24.32	28.10	-3.78
Indoor Lighting	25.22	13.88	11.34
ENERGY STANDARDS COMPLIANCE TOTAL	389.32	291.40	97.92 (25.2%)

C2. RESULTS FOR 'ABOVE CODE' QUALIFICATIONS

Abatement/Measure	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)
Recycled	76.21	76.21	---
Process	---	---	---
Process Motors	---	---	---
COMPLIANCE TOTAL PLUS MISCELLANEOUS COMPONENTS	465.54	367.64	97.92 (21.0%)

Project Name: AMS PC 24x40 250
Project Address: Palmdale 93510
Input File Name: AMS 24x40 for DSA-C2418(c)ch19

NCCP-PRF-01-E Page 3 of 13
Calculation Date/Time: 22:31, Mon, Mar 29, 2021

Energy Component	Standard Design Size (MWH)	Proposed Design Size (MWH)	Margin (MWH)	Standard Design Size (MWH)	Proposed Design Size (MWH)	Margin (MWH)
Space Heating	3.2	3.4	-0.2	34.8	---	---
Space Cooling	5.7	3.0	2.7	---	---	---
Interior Fans	---	---	---	---	---	---
Heat Rejection	---	---	---	---	---	---
Pumps & Misc.	---	---	---	---	---	---
Domestic Hot Water	---	---	---	12.8	12.8	0.0
Indoor Lighting	0.8	0.4	0.4	---	---	---
Compliance Total	9.7	7.7	2.0	27.6	12.8	14.8

D. EXCEPTIONAL CONDITIONS
The building does not include service water heating. Verify that service water heating is not required and is not included in the design.
The user model includes space(s) that are designed to be served by mechanical cooling systems, but the cooling systems were not included in the simulation model. A cooling system has been modeled for each of the proposed and standard areas.
The user model includes space(s) without sufficient cooling equipment. Cooling equipment has been added to the model to meet cooling loads.

E. MEASUREMENT VERIFICATION
This Section Does Not Apply

F. ADDITIONAL REMARKS
Roof the roof U-value has been calculated using E270area per CEC guidance. U-value = 0.070

Project Name: AMS PC 24x40 250
Project Address: Palmdale 93510
Input File Name: AMS 24x40 for DSA-C2418(c)ch19

NCCP-PRF-01-E Page 4 of 13
Calculation Date/Time: 22:31, Mon, Mar 29, 2021

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)			
1	2	3	4
Opaque Surfaces & Orientation	Total Gross Surface Area (ft ²)	Total Fenestration Area (ft ²)	Window to Wall Ratio (%)
North-Facing	240 ft ²	80 ft ²	33.3%
East-Facing	400 ft ²	80 ft ²	20.0%
South-Facing	240 ft ²	80 ft ²	33.3%
West-Facing	400 ft ²	0 ft ²	0.0%
Total	1,280 ft ²	240 ft ²	18.7%

G2. OPAQUE SURFACE ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9	10
Surface Area	Surface Type	Area (ft ²)	Framing Type	Cavity R-Value	Continuous R-Value	Units	Value	Description of Assembly Layers	U-factor
Floor over Crawlspace	Exterior/Interior	960	Metal	15	NA	U-Factor	0.068	Asst. Floor: 1.5" Ins. Metal framed floor, 2x4, OC, 7.25" Ins. Carpet: 3/4" Ins.	N
Roof U=0.70 per E270area	Roof	960	Metal	15	2	U-Factor	0.071	Metal Insulating Foam: 1.5" Ins. Expanded Polystyrene: 1.5" Ins. Metal framed roof, 2x4, OC, 5.5" Ins. Acoustic Tile: 3/8" Ins.	N

G3. FENESTRATION ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9
fenestration assembly name / tag or I.D.	fenestration type / product type / frame type	certification method	assembly method	area (ft ²)	overall U-factor	overall SHGC	overall VT	U-factor
Windows	Vertical Fenestration: Fixed/Window N/A	NFRC Rated	Manufactured	240	0.74	0.43	0.37	N

Project Name: AMS PC 24x40 250
Project Address: Palmdale 93510
Input File Name: AMS 24x40 for DSA-C2418(c)ch19

NCCP-PRF-01-E Page 5 of 13
Calculation Date/Time: 22:31, Mon, Mar 29, 2021

G4. OPAQUE SURFACE ASSEMBLY SUMMARY									
1	2	3	4	5	6	7	8	9	10
Surface Area	Surface Type	Area (ft ²)	Framing Type	Cavity R-Value	Continuous R-Value	Units	Value	Description of Assembly Layers	U-factor
Exterior Wall	Exterior Wall	1280	Wood	13	NA	U-Factor	0.093	Wood Siding: 1/2" Ins. Vapor permeable foil: 1/8" Ins. Wood framed wall, 2x4, OC, 3.5" Ins. Sheat or tile: 1/2" Ins.	N

G5. FENESTRATION ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9
fenestration assembly name / tag or I.D.	fenestration type / product type / frame type	certification method	assembly method	area (ft ²)	overall U-factor	overall SHGC	overall VT	U-factor
Windows	Vertical Fenestration: Fixed/Window N/A	NFRC Rated	Manufactured	240	0.74	0.43	0.37	N

Project Name: AMS PC 24x40 250
Project Address: Palmdale 93510
Input File Name: AMS 24x40 for DSA-C2418(c)ch19

NCCP-PRF-01-E Page 6 of 13
Calculation Date/Time: 22:31, Mon, Mar 29, 2021

H1. DRY SYSTEM EQUIPMENT (luminaire, air handling units, heat pumps, VRF, economizers etc.)									
1	2	3	4	5	6	7	8	9	10
Equipment Name	Equipment Type	Qty	Total Heating Output (kBtu/h)	Supply Heat Source (Type)	Efficiency	Total Cooling Output (kBtu/h)	Efficiency	Economizer Type (if present)	U-factor
FC-1	SPWH (Packaged/Phase)	1	0	0	7.8	COP: 3.30	41	EEB-11.00	N

H2. FAN SYSTEMS SUMMARY

1	2	3	4	5	6	7	8	9	10	11	12	13
Name or Item Tag	System Type	Design OA CFM	CFM	BHP	Watts	Control	CFM	BHP	Watts	Control	Economizer Type (if present)	U-factor
FC-1	SPWH	395	1300	0.281	195.7	Constant Volume	NA	NA	NA	NA	Non-economizer	N

H3. EXHAUST SYSTEM SUMMARY
This Section Does Not Apply

H4. Wet System Equipment (boilers, chillers, cooling towers, etc.)
This Section Does Not Apply

H5. SYSTEM SPECIAL FEATURES

1	2	3	4	5	6
System Name	Optimum Start	Window Interlocks per §160.60	Evaporative Cooling	Heat Recovery	Other Controls
FC-1	No Optimum Start	No	No Evaporative Cooler	No Heat Recovery	No DDC Controls, No DDC No Economizer, No Supply Air Temp. Control

Project Name: AMS PC 24x40 250
Project Address: Palmdale 93510
Input File Name: AMS 24x40 for DSA-C2418(c)ch19

NCCP-PRF-01-E Page 7 of 13
Calculation Date/Time: 22:31, Mon, Mar 29, 2021

H6. MECHANICAL VENTILATION									
1	2	3	4	5	6	7	8	9	10
Zone Name	Ventilation Function	# of bedrooms	# of people	Mechanical Ventilation	Supply DPA CFM	Exhaust CFM	Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both	U-factor
Classroom 101_Zn	Education - Classrooms (ign. 5-18)	0	24.00	0	365	0	960	NA	NA

H7. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

1	2	3	4	5	6	7	8	9	10	11	12
System ID	Zone Name	System Type	Heating	Cooling	Design	Min.	Min. Ratio	BHP	Watts	Cycles	FCA Motor
FC-1_Term	Classroom 101_Zn	Uncontrolled	NA	NA	1200	NA	0.00	NA	NA	NA	0

H8. EVAPORATIVE COOLER SUMMARY
This Section Does Not Apply

Project Name: AMS PC 24x40 250
Project Address: Palmdale 93510
Input File Name: AMS 24x40 for DSA-C2418(c)ch19

NCCP-PRF-01-E Page 8 of 13
Calculation Date/Time: 22:31, Mon, Mar 29, 2021

H9. INDOOR CONDITIONED LIGHTING GENERAL INFO					
1	2	3	4	5	6
Occupancy Type ¹	Conditioned Floor Area (ft ²)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Area Category Factor(s)	Tolerance Method (Watts)
Classrooms, Lecture, Training, Vocational Area	960	860	0	NA	NA

H10. INDOOR CONDITIONED LIGHTING SCHEDULE

1	2	3	4	5	6
Name or Item Tag	Complete Luminaire Description (i.e., 8-bump fluorescent troffer, F20, one dimmable electronic ballast)	Watts per luminaire	How Wattage is Determined	Total Number of Luminaires	Installed Watts
2x4-VTLID	2x4 - L10	45	According to §130.12(c)	8	360

H11. INDOOR CONDITIONED LIGHTING CONTROL CREDITS

1	2	3	4	5	6	7	8	9	10
Area Description	Primary Function Area (must meet requirements of Table 140.6-A)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Lighting Control Credits (Watts)	Control Credit (Watts)	U-factor
Classroom 101	Classroom, Lecture, Training, Vocational Area	NA	0.00	2x4 VTLID	135.0	3	135	3	N
Classroom 102	Classroom, Lecture, Training, Vocational Area	NA	0.00	2x4 VTLID	90.0	2	90	0	N

Project Name: AMS PC 24x40 250
Project Address: Palmdale 93510
Input File Name: AMS 24x40 for DSA-C2418(c)ch19

NCCP-PRF-01-E Page 9 of 13
Calculation Date/Time: 22:31, Mon, Mar 29, 2021

H12. INDOOR CONDITIONED LIGHTING CONTROL CREDITS									
Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)(2) and Table 140.6-A)									
1	2	3	4	5	6	7	8	9	10
Area Description	Primary Function Area (must meet requirements of Table 140.6-A)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Lighting Control Credits (Watts)	Control Credit (Watts)	U-factor
Classroom 101	Classroom, Lecture, Training, Vocational Area	NA	0.00	2x4 VTLID	135.0	3	135	3	N
Classroom 102	Classroom, Lecture, Training, Vocational Area	NA	0.00	2x4 VTLID	90.0	2	90	0	N

H13. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS

Building Level Controls		Area Level Controls (includes all lighting controls installed in conditioned space to meet mandatory requirements per §130.1)	
Mandatory Demand Response §130.12(c)		Shut-Off Controls §130.1(c)	
NA		Required	

Project Name: AMS PC 24x40 250
Project Address: Palmdale 93510
Input File Name: AMS 24x40 for D

Project Name: AMS PC 2640 250
Project Address: Palmdale 93310
Input File Name: AMS 2640 for DSA-C215(5)-cb419
Table: DEPARTMENT OF CERTIFICATES OF ACCEPTANCE

Project Name: AMS PC 2640 250
Project Address: Palmdale 93310
Input File Name: AMS 2640 for DSA-C215(5)-cb419
Table: DEPARTMENT OF CERTIFICATES OF ACCEPTANCE

Project Name: AMS PC 2640 250
Project Address: Palmdale 93310
Input File Name: AMS 2640 for DSA-C215(5)-cb419
Table: DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

Project Name: AMS PC 2640 250
Project Address: Palm Springs Intf 92240
Input File Name: AMS 2640 for DSA-C215(5)-cb419
Table: A. GENERAL INFORMATION

Table: BUILDING COMPONENTS
Columns: Building Component, Form/Title

Table: BUILDING COMPONENTS
Columns: Building Component, Form/Title

Table: RESPONSIBLE PERSON'S DECLARATION STATEMENT
Columns: Title, Date Signed

Table: B. PROJECT SUMMARY
Table: Building Components Complying by Performance

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384

Table: CL. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS
Columns: Energy Component, Standard Design Size, Proposed Design (TDV), Compliance Margin (TDV%)

Table: CL. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS
Columns: Energy Component, Standard Design Size, Proposed Design (TDV), Compliance Margin (TDV%)

Table: G1. ENVELOPE GENERAL INFORMATION
Columns: Surface Name, Surface Type, Area (ft²), Framing Type, U-Factor

Table: G2. OPaque SURFACE ASSEMBLY SUMMARY
Columns: Surface Name, Surface Type, Area (ft²), Framing Type, U-Factor

Table: G3. OPaque SURFACE ASSEMBLY SUMMARY
Columns: Surface Name, Surface Type, Area (ft²), Framing Type, U-Factor

Table: G3. OPaque SURFACE ASSEMBLY SUMMARY
Columns: Surface Name, Surface Type, Area (ft²), Framing Type, U-Factor

Table: G3. OPaque SURFACE ASSEMBLY SUMMARY
Columns: Surface Name, Surface Type, Area (ft²), Framing Type, U-Factor

Table: G4. OPaque DOOR SUMMARY
Columns: Assembly Name, Overall U-Factor

Table: G5. FENESTRATION ASSEMBLY SUMMARY
Columns: Fenestration Assembly Name, Fenestration Type, Certification Method, Assembly Method

Table: G5. FENESTRATION ASSEMBLY SUMMARY
Columns: Fenestration Assembly Name, Fenestration Type, Certification Method, Assembly Method

Table: G5. FENESTRATION ASSEMBLY SUMMARY
Columns: Fenestration Assembly Name, Fenestration Type, Certification Method, Assembly Method

Table: G5. FENESTRATION ASSEMBLY SUMMARY
Columns: Fenestration Assembly Name, Fenestration Type, Certification Method, Assembly Method

Table: H. HVAC SYSTEM SUMMARY
Table: DRY SYSTEM EQUIPMENT

Table: H. HVAC SYSTEM SUMMARY
Table: DRY SYSTEM EQUIPMENT

Table: H. HVAC SYSTEM SUMMARY
Table: DRY SYSTEM EQUIPMENT

Table: H. HVAC SYSTEM SUMMARY
Table: DRY SYSTEM EQUIPMENT

Table: H2. FAN SYSTEMS SUMMARY
Table: FAN SYSTEMS

Table: H2. FAN SYSTEMS SUMMARY
Table: FAN SYSTEMS

Table: H2. FAN SYSTEMS SUMMARY
Table: FAN SYSTEMS

Table: H2. FAN SYSTEMS SUMMARY
Table: FAN SYSTEMS

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-12783 INC.
REVIEWED FOR
DATE: 04/19/2023

AMERICAN MODULAR SYSTEMS
787 Spreckels Ave., Manteca, CA 95236
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL PROPERTY AND PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)

PRE-CHECKED SET NAME
24" x 40" THRU 48" x 40" (HIGH SEISMIC)

SITE SPECIFIC PROJECT NAME

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-119283 INC.
REVIEWED FOR
DATE: 09/20/2021

2019 CBC PRE-CHECK (PCI) DOCUMENT
MANUFACTURER PROFESSIONAL OF RECORD ON PCI

REVISIONS
DRAWN BY: ADS/AH
SCALE: AS NOTED
DATE: 03/11/21
PROJECT NO: XXXX-21
SHEET TITLE: ENERGY CALCULATIONS

SHEET NUMBER: EN.2

IDENTIFICATION STAMP
OF THE STATE ARCHITECT
APP: 03-122783 INC:
REVIEWED FOR
SS [x] FLS [x] ACS [x]
DATE: 04/19/2023
DIV. OF THE STATE ARCHITECT
APP: 02-120719 INC:
REVIEWED FOR
SS [x] FLS [x] ACS [x]
DATE: 11/3/2022

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

INTELLECTUAL PROPERTY AND 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 DRAWINGS, SPECIFICATIONS 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 FUNDING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF ANY BUILDING, STRUCTURE, OR OTHER MECHANICAL, ELECTRICAL, OR PLUMBING APPLIANCE, 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 CONSIDERED AS PUBLICATION IN DEGRADATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
24' x 40' THRU 48' x 40' (HIGH SEISMIC)

2GO

SITE SPECIFIC PROJECT NAME

IDENTIFICATION STAMP
OF THE STATE ARCHITECT
APP: 02-149263 PC
REVIEWED FOR
SS [x] FLS [x] ACS [x] CG [x]
DATE: 09/20/2021

2019 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
MANUFACTURER PROFESSIONAL OF RECORD ON PC

PROFESSIONAL ARCHITECT
PATRICK HENNING
No. C12631
Ren. 3-31-23
STATE OF CALIFORNIA

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

REVISIONS
SCALE: AS NOTED
DATE: 03/11/21
PROJECT NO: XXXX-21
SHEET TITLE: ENERGY CALCULATIONS

SHEET NUMBER:
EN.3

Project Name:	AMS PC 2640 260	NRC-PRF-01-E	Page 12 of 13
Project Address:	Palm Springs-Ind 92040	Calculation Date/Time:	22:31, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C21(04).cbt(9)		

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and must be completed through an Acceptance Test Technician (ATTP) Provider (ATTP/P). For more information visit https://www.energy.ca.gov/916/24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRC/

Building Component	Form/Title
Envelope	NRC-EN-01-E - Must be submitted for all buildings
Mechanical	NRC-MCH-01-E - Must be submitted for all buildings
Indoor Lighting	NRC-LI-01-E - Must be submitted for all buildings
	NRC-LI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS) to be recognized for compliance.

Project Name:	AMS PC 2640 260	NRC-PRF-01-E	Page 11 of 13
Project Address:	Palm Springs-Ind 92040	Calculation Date/Time:	22:31, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C21(04).cbt(9)		

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and must be completed through an Acceptance Test Technician (ATTP) Provider (ATTP/P). For more information visit https://www.energy.ca.gov/916/24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRC/

Building Component	Form/Title
Envelope	NRC-EN-02-F - NRC label verification for fenestration
Indoor Lighting	NRC-LI-03-A - Occupancy Sensors and Automatic Time Switch Controls NRC-LI-03-B - Automatic Dimming Controls
Mechanical	NRC-MCH-03-A Outdoor Air must be submitted for all newly installed HVAC units. Note: NRC-0-A can be performed in conjunction with MCH-07-A Supply Fan SPD Acceptance (if applicable) since testing activities overlap NRC-MCH-08-A Constant Volume Single Zone HVAC NRC-MCH-09 Occupancy Sensor Controls

Project Name:	AMS PC 2640 260	NRC-PRF-01-E	Page 12 of 13
Project Address:	Palm Springs-Ind 92040	Calculation Date/Time:	22:31, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C21(04).cbt(9)		

N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION
Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and must be completed through an Acceptance Test Technician (ATTP) Provider (ATTP/P). For more information visit https://www.energy.ca.gov/916/24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRC/

Building Component	Form/Title
Mechanical	NRC-MCH-27 Indoor Air Quality & Mechanical Ventilation

Project Name:	AMS PC 2640 260	NRC-PRF-01-E	Page 13 of 13
Project Address:	Palm Springs-Ind 92040	Calculation Date/Time:	22:31, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C21(04).cbt(9)		

DOCUMENTATION AUTHORITY STATEMENT
I hereby certify that the information provided in this document is true and correct to the best of my knowledge and belief, and that I am duly licensed and qualified to perform the duties assigned to me. I understand that any false or misleading information provided in this document may constitute a violation of the law and may result in disciplinary action against me by the Board of Professional Engineers, Architects, and Surveyors (BPEAS).

Company:	Martinez Consulting	Signature:	
Address:	1130 1/2 Street 809	Signature Date:	2022-03-29
City/State/Zip:	San Diego CA 92101	CA/NBRS Certification Identification (if applicable):	1915190107
Phone:	(619) 574-4372		

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I hereby certify that the information provided in this document is true and correct to the best of my knowledge and belief, and that I am duly licensed and qualified to perform the duties assigned to me. I understand that any false or misleading information provided in this document may constitute a violation of the law and may result in disciplinary action against me by the Board of Professional Engineers, Architects, and Surveyors (BPEAS).

Responsible Envelope Designer Name:	Randall P. Cavagnagh	Signature:	
Company:	American Modular Systems Gen7 Schools	Title:	Architect
Address:	287 Spreckels Avenue	Signature Date:	04-08-21
City/State/Zip:	Manteca CA 95336	License #:	C12631
Phone:	209.825.1921		

RESPONSIBLE LIGHTING DESIGNER NAME: Randall P. Cavagnagh
Signature:
Title: Architect
Signature Date: 04-08-21
License #: C12631

RESPONSIBLE MECHANICAL DESIGNER NAME: Randall P. Cavagnagh
Signature:
Title: Architect
Signature Date: 04-08-21
License #: C12631

CA Building Energy Efficiency Standards - 2019 Residential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:33:30

CA Building Energy Efficiency Standards - 2019 Residential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:33:30

CA Building Energy Efficiency Standards - 2019 Residential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:33:30

CA Building Energy Efficiency Standards - 2019 Residential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:33:30

Project Name:	AMS PC 2640 260	NRC-PRF-01-E	Page 1 of 13
Project Address:	Blue Canyon 92715	Calculation Date/Time:	22:35, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C21(04).cbt(9)		

A. GENERAL INFORMATION

1 Project Location (City)	Blue Canyon	8 Standards Version	Compliance 2019
2 CA Zip Code	92715	9 Compliance Software (Version)	CRCC-Com 2019.1.3
3 Climate Zone	16	10 Weather File	BLUE_CANYON_723845_CZ2019.epw
4 Total Conditioned Floor Area in Scope	940 ft ²	11 Building Orientation (deg)	151 160 deg
5 Total Unconditioned Floor Area	0 ft ²	12 Permitted Scope of Work	Non-compliant
6 Total # of Stories (habitable above grade)	1	13 Building Type(s)	Nonresidential
7 Total # of Sewing Units	0	14 Fan Type	Natural Gas

B. PROJECT SUMMARY
Table Instructions: Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance proactively if within permit application.

Building Component	Compliance via Performance	Building Component	Compliance via Performance
Envelope (see Table G)	<input checked="" type="checkbox"/> Performance <input type="checkbox"/> Not Included	Covered Process: Commercial Kitchens	<input type="checkbox"/> Performance <input checked="" type="checkbox"/> Not Included
Mechanical (see Table H)	<input type="checkbox"/> Performance <input checked="" type="checkbox"/> Not Included	Covered Process: Computer Rooms	<input type="checkbox"/> Performance <input checked="" type="checkbox"/> Not Included
Domestic Hot Water (see Table I)	<input checked="" type="checkbox"/> Performance <input type="checkbox"/> Not Included	Covered Process: Laboratory Exhaust	<input checked="" type="checkbox"/> Performance <input type="checkbox"/> Not Included
Lighting (Indoor Conditioned, see Table K)	<input checked="" type="checkbox"/> Performance <input type="checkbox"/> Not Included		
Water Thermal Water Heating (see Table J)	<input checked="" type="checkbox"/> Performance <input type="checkbox"/> Not Included		

Project Name:	AMS PC 2640 260	NRC-PRF-01-E	Page 2 of 13
Project Address:	Blue Canyon 92715	Calculation Date/Time:	22:35, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C21(04).cbt(9)		

C1. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TSP Energy Use, kWh/ft²-yr)

Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV%)
Space Heating	39.50	197.75	-138.25
Space Cooling	30.70	49.04	-1.64
Indoor Fans	20.34	39.21	-166.13
Heat Rejection	---	---	---
Pumps & Misc.	---	---	---
Domestic Hot Water	---	---	---
Indoor Lighting	25.64	13.49	11.89
ENERGY STANDARDS COMPLIANCE TOTAL	362.56	321.13	41.43 (11.4%)

C2. RESULTS FOR 'ABOVE CODE' QUALIFICATIONS
This project is pursuing California Tier 1. This project is pursuing California Tier 2.

Miscellaneous Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV%)
Receptacle	27.92	27.92	---
Process Motors	---	---	---
Other Lig	---	---	---
Process Motors	---	---	---
COMPLIANCE TOTAL PLUS MISCELLANEOUS COMPONENTS	434.84	393.45	41.4 (9.5%)

Project Name:	AMS PC 2640 260	NRC-PRF-01-E	Page 3 of 13
Project Address:	Blue Canyon 92715	Calculation Date/Time:	22:35, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C21(04).cbt(9)		

C3. ENERGY USE SUMMARY

Energy Component	Standard Design Site (MMWh)	Proposed Design Site (MMWh)	Margin (MMWh)	Standard Design Site (MMWh)	Proposed Design Site (MMWh)	Margin (MMWh)
Space Heating	1.2	29.0	---	---	---	---
Space Cooling	1.5	0.0	---	---	---	---
Indoor Fans	6.6	1.2	5.4	---	---	---
Heat Rejection	---	---	---	---	---	---
Pumps & Misc.	---	---	---	---	---	---
Domestic Hot Water	---	---	---	13.6	33.6	0.0
Indoor Lighting	0.8	0.4	0.4	---	---	---
Compliance Total	8.9	3.3	-5.6	42.6	33.6	-9.0
Receptacle	2.5	2.5	0.0	---	---	---
Process	---	---	---	---	---	---
Other Lig	---	---	---	---	---	---
Process Motors	---	---	---	---	---	---
TOTAL	11.4	11.8	-0.4	42.6	33.6	-9.0

D. EXCEPTIONAL CONDITIONS
The building does not include service water heating. Verify that service water heating is not required and is not included in the design. The user model includes spaces that are designed to be served by mechanical cooling systems, but the cooling systems were not included in the simulation model. A cooling system has been modeled for both the proposed and standard cases. The user model includes spaces without sufficient cooling equipment. Cooling equipment has been added to the model to meet cooling loads.

E. AHS VERIFICATION
This Section Does Not Apply

F. ADDITIONAL REMARKS
Roof: the roof U-value has been calculated using e3frame per CBC Appendix L, U-value = 0.019

Project Name:	AMS PC 2640 260	NRC-PRF-01-E	Page 4 of 13
Project Address:	Blue Canyon 92715	Calculation Date/Time:	22:35, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C21(04).cbt(9)		

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

1	2	3	4
Opaque Surface & Orientation	Total Gross Surface Area (ft ²)	Total Fenestration Area (ft ²)	Window to Wall Ratio (%)
North-Facing	240 ft ²	80 ft ²	33.3%
East-Facing	400 ft ²	0 ft ²	0.0%
South-Facing	240 ft ²	80 ft ²	33.3%
West-Facing	400 ft ²	80 ft ²	20.0%
Total	1,280 ft²	240 ft²	18.7%

G2. OPAQUE SURFACE ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9	10
Surface Name	Surface Type	Area (ft ²)	Framing Type	Cavity R-Value	Continuous R-Value	Units	Value	Description of Assembly Layers	U-Value
Floor over Crawlspace	Exterior/Interior	960	Metal	19	NA	U-Factor	0.088	Air Space: 1.5 in.; Metal Framed floor: 2x4, OC, 2.25x, R-13 Chert: 3/4 in.	0.10
Roof: 14x70 per e3frame	Roof	960	Metal	19	2	U-Factor	0.037	Mean Racking Span: 11 ft 6 in.; Expanded Polystyrene: (R5 - 172 in., R13) Metal Framed roof: 2x4, OC, 5.5 in., R-13 Acoustic Tile - 3/8 in.	0.10

CA Building Energy Efficiency Standards - 2019 Residential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:35:27

CA Building Energy Efficiency Standards - 2019 Residential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:35:27

CA Building Energy Efficiency Standards - 2019 Residential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:35:27

CA Building Energy Efficiency Standards - 2019 Residential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:35:27

Project Name:	AMS PC 2640 260	NRC-PRF-01-E	Page 5 of 13
Project Address:	Blue Canyon 92715	Calculation Date/Time:	22:35, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C21(04).cbt(9)		

G3. OPAQUE SURFACE ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9	10
Surface Name	Surface Type	Area (ft ²)	Framing Type	Cavity R-Value	Continuous R-Value	Units	Value	Description of Assembly Layers	U-Value
Ext Wall	Exterior Wall	1380	Wood	13	NA	U-Factor	0.091	Wood siding - 1/2 in. Vapor permeable wall: 1/8 in. Wood Framed wall: 2x4, OC, 2.25x, R-13 Optim. Insul.: 1/2 in. Stucco or Gyp - 1/2 in.	0.10

G4. OPAQUE DOOR SUMMARY

1	2	3
Assembly Name / Item ID	Overall U-Factor	Status
Door	0.700	S

G5. FENESTRATION ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9
Fenestration Assembly Name / Tag	Fenestration Type / Frame Type	Certification Method	Assembly Method	Area (ft ²)	Overall U-Factor	Overall SHGC	Overall VT	Overall U-Value
Windows	Vertical Fenestration / Fenestration	NA	MFR Rated / Manufactured	240	0.78	0.43	0.37	0.10

Project Name:	AMS PC 2640 260	NRC-PRF-01-E	Page 6 of 13
Project Address:	Blue Canyon 92715	Calculation Date/Time:	22:35, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C21(04).cbt(9)		

H. HVAC SYSTEM SUMMARY

H1. DRY SYSTEM EQUIPMENT (Bunkers, air handling units, heat pumps, VRS, economizers, etc.)
This Section Does Not Apply

1	2	3	4	5	6	7	8	9	10
Equipment Name	Equipment Type	Qty	Total Heating Output (kBtu/h)	Supply Heat Source (V/N)	Supply Heat Output (kBtu/h)	Efficiency	Total Cooling Output (kBtu/h)	Efficiency	FEER (1:100)
FC-1	SPVAP (Packaged) (F) (Fan)	1	39	Yes	13	COOP-3.30	41	FEER-11.00	N

H2. FAN SYSTEMS SUMMARY

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Name or Item Tag	System Type	Design OA	CFM	CFM	BHP	Watts	Control	CFM	BHP	Watts	Control	Compliance Type (if permitted)	Notes
FC-1	SPVAP	305	1200	0.283	189.7	Combin/Volumetric	NA	NA	NA	NA	NA	Non-compliant	N

H3. EXHAUST FAN SUMMARY
This Section Does Not Apply

H4. Wet System Equipment (Boilers, chillers, cooling towers, etc.)
This Section Does Not Apply

H5. SYSTEM SPECIAL FEATURES

1	2	3	4	5
System Name	Optimum Start	Window Interlocks per §140.4(a)	Evaporative Cooling	Heat Recovery
FC-1	No Optimum Start	No	No Evaporative Cooler	No Heat Recovery

Project Name:	AMS PC 2640 260	NRC-PRF-01-E	Page 7 of 13
Project Address:	Blue Canyon 92715	Calculation Date/Time:	22:35, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C21(04).cbt(9)		

H6. SYSTEM SPECIAL FEATURES

1	2	3	4	5	6	7	8	9	10
System Name	Optimum Start	Window Interlocks per §140.4(a)	Evaporative Cooling	Heat Recovery	Other Controls				
FC-1	No Optimum Start	No	No Evaporative Cooler	No Heat Recovery	NA	NA	NA	NA	NA

H6. MECHANICAL VENTILATION

1	2	3	4	5	6	7	8	9
Zone Name	Ventilation Function	# of rooms	# of people	# of bedrooms	Supply OA CFM	Exhaust CFM	Conditioned Area (ft ²)	DGV or Occupant Sensor Control, or Both
Classroom_101_2h	Exhaust - Classroom (Agn 9-18)	0	24.00	0	363	0	960	NA

H7. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

1	2	3	4	5	6	7	8	9	10	11	12	
System ID	Zone Name	System Type	Rated Capacity (Btu/h)	Heating	Cooling	Design	Min.	Min. Ratio	BHP	Watts	Cycles	FCM Max
FC-1_TFM	Classroom_101_2h	Uncontrolled	NA	NA	1200	NA	0.00	NA	NA	NA	NA	0

H8. EVAPORATIVE COOLER SUMMARY
This Section Does Not Apply

Project Name:	AMS PC 2640 260	NRC-PRF-01-E	Page 8 of 13
Project Address:	Blue Canyon 92715	Calculation Date/Time:	22:35, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C21(04).cbt(9)		

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO

1	2	3	4	5	6
Occupancy Type	Conditioned Floor Area (ft ²)	Installed Lighting Power (Watts)	Lighting Control Credits (Points)	Area Category	Additional Controls/Allowance
Classroom, Lecture, Training, Recreational Area	960	360	0	0	0
Building Totals	960	360	0	0	0

K2. INDOOR CONDITIONED LIGHTING SCHEDULE
Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 watt in office)

1	2	3	4	5	6
Name or Item Tag	Complete Luminaire Description (i.e., 3-lamp fluorescent troffer, F22R, one dimmable electronic ballast)	Watts per Luminaire	How Wattage is Determined	Total Number of Luminaires	Installed Watts
2x4-VTLFD	2x4-LED	45	According to §130.0(a)	8	360

K3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS
Lighting Control Credits Schedule includes all lighting controls installed in conditioned spaces for compliance credit per §140.4(a)(2) and Table 140.4(A)

1	2	3	4	5	6	7	8	9
Area Description	Primary Function Area (must meet requirements of Table 140.4-A)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Name or Item Tag	Watts per Luminaire	# of Lumin		

Project Name:	AMS PC 2640 250	NRC-PRF-01-E	Page 9 of 13
Project Address:	Blue Canyon 95715	Calculation Date/Time:	22:35, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C214(6).cbt19		

1	2	3	4	5	6	7	8	9
Area Description	Primary Function Area (omit street requirements of Table A.6.1(A))	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaire vs. Lighting Controlled (Watts)	Control (Watts)	Credit (Watts)
Classroom 101	Classroom, Lecture, Training, Vocational Area	NA	0.00	24V-TLED	136.0	3	135	0
Classroom 101	Classroom, Lecture, Training, Vocational Area	NA	0.00	24V-TLED	90.0	2	90	0

1	2
Mandatory Demand Response §110.2(a)	Shut-Off Controls §110.1(a)
NA	Required

4	5	6	7	8	9	10
Area Description	Area Category Primary Function Area	Area Controls §10.1(a)	Multi-Level Controls §10.1(b)	Shut-Off Controls §10.1(c)	Primary Daylighting §10.1(d)	Secondary Daylighting §10.1(e)
Classrooms Day/Nt Zn	Classroom, Lecture, Training, Vocational Area	Required	Required	Required	Required	Required
Classrooms Non-day/Nt Zn	Classroom, Lecture, Training, Vocational Area	Required	Required	Required	NA	Required

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:35:27

Project Name:	AMS PC 2640 250	NRC-PRF-01-E	Page 10 of 13
Project Address:	Blue Canyon 95715	Calculation Date/Time:	22:35, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C214(6).cbt19		

Building Component	Form/Title
Envelope	NRC-ENV-01-E - Must be submitted for all buildings
Mechanical	NRC-MCH-01-E - Must be submitted for all buildings
Indoor Lighting	NRC-IL-01-E - Must be submitted for all buildings NRC-IL-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS) to be recognized for compliance

1	2
Mandatory Demand Response §110.2(a)	Shut-Off Controls §110.1(a)
NA	Required

4	5	6	7	8	9	10
Area Description	Area Category Primary Function Area	Area Controls §10.1(a)	Multi-Level Controls §10.1(b)	Shut-Off Controls §10.1(c)	Primary Daylighting §10.1(d)	Secondary Daylighting §10.1(e)
Classrooms Day/Nt Zn	Classroom, Lecture, Training, Vocational Area	Required	Required	Required	Required	Required
Classrooms Non-day/Nt Zn	Classroom, Lecture, Training, Vocational Area	Required	Required	Required	NA	Required

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:35:27

Project Name:	AMS PC 2640 250	NRC-PRF-01-E	Page 11 of 13
Project Address:	Blue Canyon 95715	Calculation Date/Time:	22:35, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C214(6).cbt19		

Building Component	Form/Title
Envelope	NRC-ENV-02-F - HVAC Label verification for fenestration
Indoor Lighting	NRC-IL-02-A - Occupancy Sensors and Automatic Time Switch Controls NRC-IL-03-A - Automatic Time Switch Controls
Mechanical	NRC-MCH-03-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-03-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap NRC-MCH-08-A Constant Volume Single Zone HVAC NRC-MCH-19 Occupancy Sensor Controls

1	2
Mandatory Demand Response §110.2(a)	Shut-Off Controls §110.1(a)
NA	Required

4	5	6	7	8	9	10
Area Description	Area Category Primary Function Area	Area Controls §10.1(a)	Multi-Level Controls §10.1(b)	Shut-Off Controls §10.1(c)	Primary Daylighting §10.1(d)	Secondary Daylighting §10.1(e)
Classrooms Day/Nt Zn	Classroom, Lecture, Training, Vocational Area	Required	Required	Required	Required	Required
Classrooms Non-day/Nt Zn	Classroom, Lecture, Training, Vocational Area	Required	Required	Required	NA	Required

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:35:27

Project Name:	AMS PC 2640 250	NRC-PRF-01-E	Page 12 of 13
Project Address:	Blue Canyon 95715	Calculation Date/Time:	22:35, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C214(6).cbt19		

Building Component	Form/Title
Envelope	NRC-ENV-02-F - HVAC Label verification for fenestration
Indoor Lighting	NRC-IL-02-A - Occupancy Sensors and Automatic Time Switch Controls NRC-IL-03-A - Automatic Time Switch Controls
Mechanical	NRC-MCH-27 Indoor Air Quality & Mechanical Ventilation

1	2
Mandatory Demand Response §110.2(a)	Shut-Off Controls §110.1(a)
NA	Required

4	5	6	7	8	9	10
Area Description	Area Category Primary Function Area	Area Controls §10.1(a)	Multi-Level Controls §10.1(b)	Shut-Off Controls §10.1(c)	Primary Daylighting §10.1(d)	Secondary Daylighting §10.1(e)
Classrooms Day/Nt Zn	Classroom, Lecture, Training, Vocational Area	Required	Required	Required	Required	Required
Classrooms Non-day/Nt Zn	Classroom, Lecture, Training, Vocational Area	Required	Required	Required	NA	Required

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:35:27

Project Name:	AMS PC 2640 250	NRC-PRF-01-E	Page 13 of 13
Project Address:	Palmdale 93510	Calculation Date/Time:	22:38, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C214(6).cbt19		

DOCUMENTATION ON AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Company: American Modular Systems | Gen7 Schools
Address: 787 Spectra Ave, Palmdale CA 93538
City/State/Zip: Palmdale CA 93538
Phone: (818) 975-6374

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I hereby declare under penalty of perjury under the laws of the State of California that the information provided on this Certificate of Compliance is true and correct. I am eligible under Division 4 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (as the requirement of the law). I will ensure that a completed signed copy of this Certificate of Compliance will be made available to the building permit agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation submitted to the building permit agency.

Responsible Envelope Designer Name: Randall P. Casanough
Company: American Modular Systems | Gen7 Schools
Address: 787 Spectra Ave, Palmdale CA 93538
City/State/Zip: Palmdale CA 93538
Phone: (818) 975-6374

Responsible Lighting Designer Name: Randall P. Casanough
Company: American Modular Systems | Gen7 Schools
Address: 787 Spectra Ave, Palmdale CA 93538
City/State/Zip: Palmdale CA 93538
Phone: (818) 975-6374

Responsible Mechanical Designer Name: Randall P. Casanough
Company: American Modular Systems | Gen7 Schools
Address: 787 Spectra Ave, Palmdale CA 93538
City/State/Zip: Palmdale CA 93538
Phone: (818) 975-6374

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:35:27

Project Name:	AMS PC 2640 250	NRC-PRF-01-E	Page 1 of 13
Project Address:	Palmdale 93510	Calculation Date/Time:	22:38, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C214(6).cbt19		

4. GENERAL INFORMATION

1 Project Location (City)	Palmdale	8 Standard Version	Compliance 2019
2 CA Zip Code	93510	9 Compliance Software (version)	CBECC-Com 2019.1.3
3 Climate Zone	4B	10 Weather File	WASHDC_221810_221810.gpw
4 Total Conditioned Floor Area in Scope	1,480 SF	11 Building Orientation (Angle)	195759 deg
5 Total Unconditioned Floor Area	2,897	12 Permitted Scope of Work	Non-Compliant
6 Total # of Stories (Habitable Above Grade)	1	13 Building Type(s)	Nonresidential
7 Total # of Dwelling Units	0	14 Gas Type(s)	Natural Gas

5. PROJECT SUMMARY
Table Instructions: Table 5 shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively (if within permit application).

Envelope (see Table 6)	Performance	Building Components Complying via Performance	Building Components Complying Prescriptively
<input type="checkbox"/> Not Included	<input type="checkbox"/> Performance	Covered Process: Commercial Kitchens	The following building components are ONLY eligible for prescriptive compliance and should be documented on the NRC Form listed within the scope of the permit application. If compliance will not be shown on the NRC-PRF-01-E:
<input type="checkbox"/> Not Included	<input type="checkbox"/> Performance	Covered Process: Computer Rooms	Indoor Lighting §140.6.7 NRC-IL-0-E
<input type="checkbox"/> Not Included	<input type="checkbox"/> Performance	Covered Process: Laboratory Exhaust	Outdoor Lighting §140.6.7 NRC-IL-0-E
<input type="checkbox"/> Not Included	<input type="checkbox"/> Performance	Domestic Hot Water (see Table 8)	Sign Lighting §140.8 NRC-IL-0-E
<input type="checkbox"/> Not Included	<input type="checkbox"/> Performance	Lighting (Indoor Conditioned, see Table 9)	Mandatory Minutaries
<input type="checkbox"/> Not Included	<input type="checkbox"/> Performance	Solar Thermal Water Heating (see Table 10)	Electrical Power Distribution §110.11 NRC-EL-0-F
<input type="checkbox"/> Not Included	<input type="checkbox"/> Performance		Compressing §120.8 NRC-CM-0-E
<input type="checkbox"/> Not Included	<input type="checkbox"/> Performance		Solar Ready §120.10 NRC-SM-0-E

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:35:27

Project Name:	AMS PC 2640 250	NRC-PRF-01-E	Page 2 of 13
Project Address:	Palmdale 93510	Calculation Date/Time:	22:38, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C214(6).cbt19		

C1. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual Total Energy Use, kWh/ft²-yr)

Energy Component	Standard Design Site (kWh/ft ² -yr)	Proposed Design Site (kWh/ft ² -yr)	Compliance Margin (TDV%)
Space Heating	28.92	64.99	-50.07
Space Cooling	4.0	1.3	67.50
Indoor Fans	99.88	143.03	-40.15
Heat Rejection	130.36	28.00	82.16
Pumps & Misc.	--	--	--
Domestic Hot Water	--	--	--
Indoor Lighting	20.04	20.04	0.00
Process Motors	29.15	36.47	-21.68
ENERGY STANDARDS COMPLIANCE TOTAL	278.35	276.53	1.82 (0.7%)

Note: The number in parenthesis following the Compliance Margin in column 4 represents the Percent better than Standard.

C2. RESULTS FOR ABOVE CODE QUALIFICATIONS

Miscellaneous Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV%)
Refrigerant	76.76	76.76	0.00
Process	--	--	--
Other Tag	--	--	--
Process Motors	--	--	--
COMPLIANCE TOTAL PLUS MISCELLANEOUS COMPONENTS	354.43	353.79	1.8 (0.5%)

Note: This table is used to document compliance with programs OTHER THAN Title 24 Part 4, § 110.10.10.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:35:27

Project Name:	AMS PC 2640 250	NRC-PRF-01-E	Page 3 of 13
Project Address:	Palmdale 93510	Calculation Date/Time:	22:38, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C214(6).cbt19		

C3. ENERGY USE SUMMARY

Energy Component	Standard Design Site (kWh/ft ² -yr)	Proposed Design Site (kWh/ft ² -yr)	%Diff (kWh/ft ² -yr)	Standard Design Site (kBtu/ft ² -yr)	Proposed Design Site (kBtu/ft ² -yr)	Margin (kBtu/ft ² -yr)
Space Heating	4.0	1.3	-67.50	13.3	4.4	-8.9
Space Cooling	3.4	4.7	-13.53	11.3	15.6	-4.3
Indoor Fans	4.8	1.4	3.4	15.6	4.8	-10.8
Heat Rejection	--	--	--	--	--	--
Pumps & Misc.	--	--	--	--	--	--
Domestic Hot Water	--	--	--	16.0	16.0	0.0
Indoor Lighting	1.4	0.8	0.60	4.7	2.8	-1.9
Process Motors	3.6	3.8	-0.20	11.9	12.7	-0.8
Other tag	--	--	--	--	--	--
Process Motors	--	--	--	--	--	--
TOTAL	19.4	14.7	-13.3	29.3	16.0	13.3

D. EXCEPTIONAL CONDITIONS
The building does not include service water heating. Verify that service water heating is not required and is not included in the design. The user model includes space(s) that are designed to be served by mechanical cooling systems, but the cooling systems were not included in the simulation model. A cooling system has been included for both the proposed and standard cases. The user model includes space(s) without sufficient cooling equipment. Cooling equipment has been added to the model to meet cooling loads.

E. HERS VERIFICATION
This Section Does Not Apply.

F. ADDITIONAL REMARKS
Roof: The roof U-value has been calculated using ECFraming per CEC guidance. U-value = 0.070

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:35:27

Project Name:	AMS PC 2640 250	NRC-PRF-01-E	Page 4 of 13
Project Address:	Palmdale 93510	Calculation Date/Time:	22:38, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C214(6).cbt19		

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

1	2	3	4
Orientation & Orientation	Total Gross Surface Area (ft ²)	Total Fenestration Area (ft ²)	Window to Wall Ratio (%)
North-Facade	400 ft ²	0 ft ²	00.0%
East-Facade	360 ft ²	80 ft ²	22.2%
South-Facade	400 ft ²	0 ft ²	00.0%
West-Facade	360 ft ²	120 ft ²	33.3%
Roof	1,290 ft ²	280 ft ²	18.2%
Roof	1,480 ft ²	0 ft ²	00.0%

Note: North-Facade is oriented to within 45 degrees of true north, including 45°00'00" west of north (NW), but excluding 45°00'00" west of north (NW). East-Facade is oriented to within 45 degrees of true east, including 45°00'00" south of east (SE), but excluding 45°00'00" north of east (NE). South-Facade is oriented to within 45 degrees of true south, including 45°00'00" west of south (SW), but excluding 45°00'00" east of south (SE). West-Facade is oriented to within 45 degrees of true west, including 45°00'00" north of west (NW), but excluding 45°00'00" south of west (SW).

G2. OPaque SURFACE ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9	10	11
Surface Name	Surface Type	Area (ft ²)	Frame Type	U-Value	SHGC	Units	Value	Description of Assembly Layers	Overall U-Value	Overall SHGC
Floor over Crawlspace	Exterior/Floor	1400	Metal	15	NA	U-Factor	0.068	Air Floor - 1.12 in. Metal framed floor, 24in. OC, 7.25in. Plywood - 5/8 in. Carpet - 1/8 in.	0.07	0.43
Roof	Roof	1480	Metal	19	2	U-Factor	0.071	Metal Standing Seam, 17.16 in. Insulated Polyisocyanurate - RPS - 1.75 in. Metal framed roof, 24in. OC, 5.5in. R-19 Air-tek Tile - 1/8 in.	0.071	0.43

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:35:27

Project Name:	AMS PC 2640 250	NRC-PRF-01-E	Page 5 of 13
Project Address:	Palmdale 93510	Calculation Date/Time:	22:38, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C214(6).cbt19		

G3. OPAQUE SURFACE ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9	10	11
Surface Name	Surface Type	Area (ft ²)	Frame Type	U-Value	SHGC	Units	Value	Description of Assembly Layers	Overall U-Value	Overall SHGC
Ext Wall	Exterior Wall	1100	Wood	13	NA	U-Factor	0.093	Wood siding - 1/2 in. Vapor barrier - 1/8 in. Wood framed wall, 16in. OC, 3.5in. Sheetrock on the - 1/2 in.	0.093	0.43

G4. OPAQUE DOOR SUMMARY

1	2	3
Assembly Name	Overall U-Factor	Status
Door	0.700	N

G5. FENESTRATION ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9	10	11
Fenestration Assembly Name / Tag	Fenestration Type / Product Type / Frame Type	Certification Method	Assembly Method	Area (ft ²)	Overall U-Value	Overall SHGC	Overall VT	Overall U-Factor	Overall SHGC	Overall VT
Windows	Vertical Fenestration - Fixed/Insulated - N/A	N/A	Manufactured	200	0.76	0.43	0.37	N	0.76	0.43

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: NRC-PRF-01-E-C1292021-6384 Report Generated at: 2021-03-29 22:35:27

Project Name:	AMS PC 2640 250	NRC-PRF-01-E	Page 6 of 13
Project Address:	Palmdale 93510	Calculation Date/Time:	22:38, Mon, Mar 29, 2021
Input File Name:	AMS 2640 for DSA-C214(6).cbt19		

Project Name: AMS PC 3640 250
Project Address: Palmdale 93510
Input File Name: AMS 3640 for DSA-C214(8)-cb19
Table with 6 columns: 1, 2, 3, 4, 5, 6

Project Name: AMS PC 3640 250
Project Address: Palmdale 93510
Input File Name: AMS 3640 for DSA-C214(8)-cb19
Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Project Name: AMS PC 3640 250
Project Address: Palmdale 93510
Input File Name: AMS 3640 for DSA-C214(8)-cb19
Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Project Name: AMS PC 3640 250
Project Address: Palmdale 93510
Input File Name: AMS 3640 for DSA-C214(8)-cb19
Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO
Table with 6 columns: 1, 2, 3, 4, 5, 6

K3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS
Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Table with 3 columns: Building Component, Form/Title, Compliance

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Table with 3 columns: Building Component, Form/Title, Compliance

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384
Report Generated at: 2021-03-29 22:38:25

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384
Report Generated at: 2021-03-29 22:38:25

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384
Report Generated at: 2021-03-29 22:38:25

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384
Report Generated at: 2021-03-29 22:38:25

Project Name: AMS PC 3640 250
Project Address: Palm Springs Int 92240
Input File Name: AMS 3640 for DSA-C215(7)-cb19
Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Project Name: AMS PC 3640 250
Project Address: Palm Springs Int 92240
Input File Name: AMS 3640 for DSA-C215(7)-cb19
Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Project Name: AMS PC 3640 250
Project Address: Palm Springs Int 92240
Input File Name: AMS 3640 for DSA-C215(7)-cb19
Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Project Name: AMS PC 3640 250
Project Address: Palm Springs Int 92240
Input File Name: AMS 3640 for DSA-C215(7)-cb19
Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION
Table with 3 columns: Building Component, Form/Title, Compliance

Documentation Author's Declaration Statement
Responsible Person's Declaration Statement
Table with 3 columns: Name, Title, Signature

A. GENERAL INFORMATION
B. PROJECT SUMMARY
Table with 3 columns: Building Component, Form/Title, Compliance

C1. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kWh/m2-yr)
Table with 4 columns: Energy Component, Standard Design (TDV), Proposed Design (TDV), Compliance Margin (TDV)

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384
Report Generated at: 2021-03-29 22:38:25

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384
Report Generated at: 2021-03-29 22:38:25

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384
Report Generated at: 2021-03-29 22:41:01

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384
Report Generated at: 2021-03-29 22:41:01

C3. ENERGY USE SUMMARY
Table with 6 columns: Energy Component, Standard Design Site (kW/m2), Proposed Design Site (kW/m2), Margin (kW/m2), Standard Design Site (kBtu/m2), Proposed Design Site (kBtu/m2), Margin (kBtu/m2)

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)
Table with 4 columns: 1, 2, 3, 4

G5. OPAQUE SURFACE ASSEMBLY SUMMARY
Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

H1. HVAC SYSTEM SUMMARY
Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

D. EXCEPTIONAL CONDITIONS
Table with 3 columns: Building Component, Form/Title, Compliance

G3. OPAQUE SURFACE ASSEMBLY SUMMARY
Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

G6. FENESTRATION ASSEMBLY SUMMARY
Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

H2. FAN SYSTEMS SUMMARY
Table with 13 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

F. ADDITIONAL REMARKS
Table with 3 columns: Building Component, Form/Title, Compliance

G4. OPAQUE SURFACE ASSEMBLY SUMMARY
Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

G7. FENESTRATION ASSEMBLY SUMMARY
Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

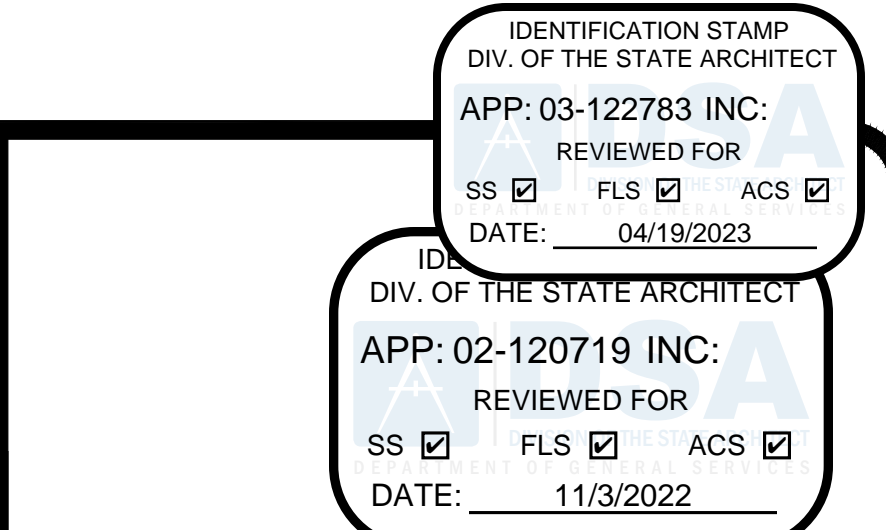
H3. EXHAUST FAN SUMMARY
Table with 6 columns: 1, 2, 3, 4, 5, 6

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384
Report Generated at: 2021-03-29 22:41:01

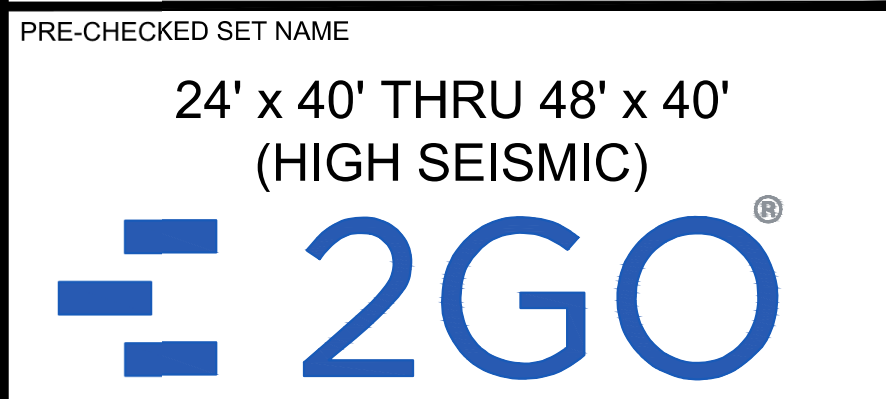
CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384
Report Generated at: 2021-03-29 22:41:01

CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384
Report Generated at: 2021-03-29 22:41:01

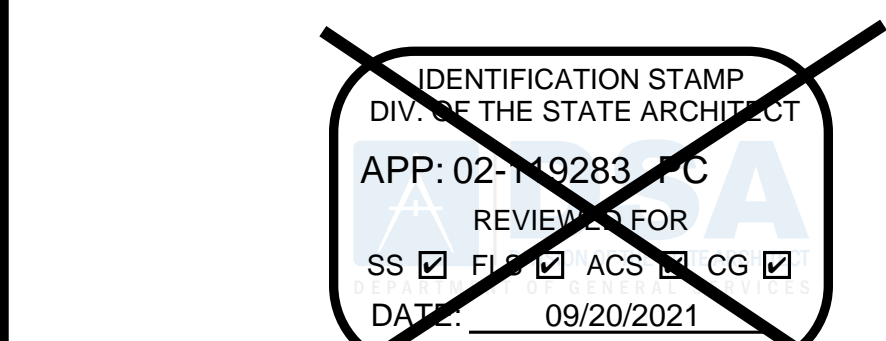
CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: NRC-PRF-01-E-C1292021-6384
Report Generated at: 2021-03-29 22:41:01



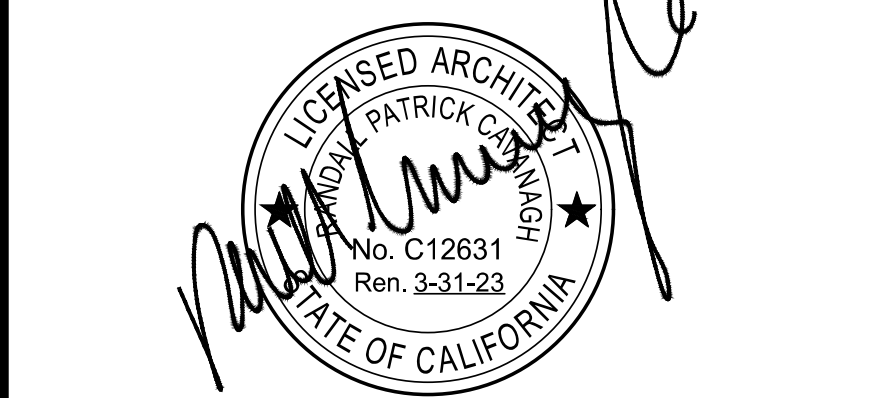
INTELLECTUAL PROPERTY AND PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN...



SITE SPECIFIC PROJECT NAME



2019 CBC PRE-CHECK (PCI) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
MANUFACTURER PROFESSIONAL OF RECORD ON PC



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

REVISIONS

DRAWN BY: ADS/AH
SCALE: AS NOTED
DATE: 03/11/21
PROJECT NO: XXXX-21
SHEET TITLE:

ENERGY CALCULATIONS

SHEET NUMBER:

EN.5 N

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: AMS 2640 RR & Ext Lg Report Page: (Page 5 of 7)
Date Prepared: 2021.04.07 13:48:04.00

J. LIGHTING ALLOWANCE: PER APPLICATION
This table includes areas using the wattage allowance per application from Table J-61.7.8

Area Description	Application per Table J-61.7.8	CALCULATED ALLOWANCE (Watts)			Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	Add'l Allowance (Watts)
		# of Locations	Allowance per Location	Extra Allowance (Watts)					
Entry Doors	Building Entrance/Exit	1	10	10	40	1	40	10	
Total Allowance (Watts) All Areas: 10									

K. LIGHTING ALLOWANCE: SALES FRONTAGE
This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL
This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energy Code Act

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: AMS 2640 RR & Ext Lg Report Page: (Page 6 of 7)
Date Prepared: 2021.04.07 13:48:04.00

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at: https://www.energy.ca.gov/files2021standards/2019_compliance_documents/Nonresidential_Documents/NRCC/

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Provider (ATTP). For more information visit: https://www.energy.ca.gov/files2021standards/2019_compliance_documents/Nonresidential_Documents/NRCC/

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energy Code Act

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: AMS 2640 RR & Ext Lg Report Page: (Page 7 of 7)
Date Prepared: 2021.04.07 13:48:04.00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am a duly registered person under the Business and Professions Code to accept responsibility for the building design or system design on this Certificate of Compliance conforming to the requirements of Title 24, Part 1 and Part 1.4 of the California Code of Regulations.
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 1.4 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be provided with the documentation to the building inspector to the building permit jurisdiction.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energy Code Act

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Indoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: AMS 2640 RR & Ext Lg Report Page: (Page 1 of 6)
Date Prepared: 2021.04.07 13:48:04.00

A. GENERAL INFORMATION
01 Project Location (City): Palmdale
02 Climate Zone: 14
03 Total Unconditioned Floor Area (ft²): 360
04 Total Conditioned Floor Area (ft²): 0
05 Occupancy Types Within Project (check all that apply):
06 # of Stories (Habitable Above Grade): 1
07 Office
08 Retail
09 Warehouse
10 Hotel/Motel
11 School
12 Support Areas
13 Parking Garage
14 High-Rise Residential
15 Recreational
16 Healthcare
17 Other (Write in):

B. PROJECT SCOPE
This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in §160.6 or §160.6(b) for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces		
	01	02	03	04	05
01 My Project Consists of (check all that apply):	02 Calculation Method	03 Area (ft²)	04 Calculation Method	05 Area (ft²)	06
07 New Lighting System	08 Area Category Method	09	10 Area Category Method	11	12
13 New Lighting System - Parking Garage	N/A	0	N/A	0	0
Total Area of Work (ft²)				360	

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energy Code Act

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Indoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: AMS 2640 RR & Ext Lg Report Page: (Page 2 of 6)
Date Prepared: 2021.04.07 13:48:04.00

C. COMPLIANCE RESULTS
If any cell on this table says "DOES NOT COMPLY" or "COMPLIES WITH EXCEPTIONAL CONDITIONS" refer to Table D. For guidance:

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §160.6(b)(1)	Allowed Lighting Power per §160.6(a) (Watts)			OS	Adjusted Lighting Power per §160.6(b) (Watts)			Compliance Results
	01	02	03		04	05	06	
Complete Building	Category	Area	Tailored	=	Total Allowed (Watts)	Total Designed (Watts)	Total Adjusted (Watts)	OS must be >= OS
149,860.11	149,860.62	149,860.238	149,860.13					
Unconditioned	276.5	276.5	276.5	276.5	276.5	276.5	276.5	COMPLIES

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

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energy Code Act

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Indoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: AMS 2640 RR & Ext Lg Report Page: (Page 3 of 6)
Date Prepared: 2021.04.07 13:48:04.00

F. INDOOR LIGHTING FIXTURE SCHEDULE
This table includes all permanent designed lighting and all portable lighting in offices.

01	02	03	04	05	06	07	08	09	10	11	12
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Apertures & Color Change	Watts per luminaire*	How is Wattage determined	Total Number of Luminaires	Excluded per §160.6(a)(3)	Design Watts	Field Inspector	Pass	Fail
2x4 LED Incandescent	40W Incandescent	No	No	45	Mfr. Spec	5	No	225			
Total Designed Watts: UNCONDITIONED SPACES: 265											

G. MODULAR LIGHTING SYSTEMS
This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)
This table includes lighting controls for conditioned and unconditioned spaces. Where a control having a "1" shows, the notes section of this table provides more detail on how compliance is achieved. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energy Code Act

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Indoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: AMS 2640 RR & Ext Lg Report Page: (Page 4 of 6)
Date Prepared: 2021.04.07 13:48:04.00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)
Area Level Controls

01	02	03	04	05	06	07	08	09	10	11	12
Area Description	Complete Building or Area Category Primary Function Area	Area Controls	Multi-Level Controls	Shut-Off Controls	Primary/Daylight Dimming	Secondary Dimming	Interlocked Systems	Field Inspector	Pass	Fail	
Restroom 1	Restrooms	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No				
Restroom 2	Restrooms	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No				
Restroom 3	Restrooms	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No				
Plumb Chase	Electrical Mechanical Telephone Room	Manual ON/OFF	Exempt*	Exempt*	N/A	N/A	No				

I. ADDITIONAL LIGHTING CONTROLS (Not including PAFs)
This table includes lighting controls for conditioned and unconditioned spaces. Where a control having a "1" shows, the notes section of this table provides more detail on how compliance is achieved. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energy Code Act

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Indoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: AMS 2640 RR & Ext Lg Report Page: (Page 5 of 6)
Date Prepared: 2021.04.07 13:48:04.00

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS
This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in §160.6 or §160.6(b) for alterations.

Area Description	Unconditioned Spaces		Conditioned Spaces		
	01	02	03	04	05
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment
Restroom 1	Restrooms	0.6	155	100.7	No
Restroom 2	Restrooms	0.6	155	100.7	No
Restroom 3	Restrooms	0.6	155	100.7	No
Plumb Chase	Electrical Mechanical Telephone Room	0.4	90	36	No
TOTALS:		460	276.5	N/A	See Table I or P for detail

J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM
This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE
This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY
This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING
This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS
This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE
This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energy Code Act

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Indoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: AMS 2640 RR & Ext Lg Report Page: (Page 6 of 6)
Date Prepared: 2021.04.07 13:48:04.00

P. POWER ADJUSTMENT LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))
This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS
This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS
This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)
This section does not apply to this project.

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at: https://www.energy.ca.gov/files2021standards/2019_compliance_documents/Nonresidential_Documents/NRCC/

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energy Code Act

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Indoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: AMS 2640 RR & Ext Lg Report Page: (Page 7 of 8)
Date Prepared: 2021.04.07 13:48:04.00

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Provider (ATTP). For more information visit: https://www.energy.ca.gov/files2021standards/2019_compliance_documents/Nonresidential_Documents/NRCC/

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energy Code Act

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Indoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: AMS 2640 RR & Ext Lg Report Page: (Page 8 of 8)
Date Prepared: 2021.04.07 13:48:04.00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am a duly registered person under the Business and Professions Code to accept responsibility for the building design or system design on this Certificate of Compliance conforming to the requirements of Title 24, Part 1 and Part 1.4 of the California Code of Regulations.
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 1.4 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be provided with the documentation to the building inspector to the building permit jurisdiction.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energy Code Act

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Electrical Power Distribution
CERTIFICATE OF COMPLIANCE
Project Name: AMS 2640 RR & Ext Lg Report Page: (Page 1 of 3)
Date Prepared: 04/27/2020

A. GENERAL INFORMATION
01 Project Location (City): Palmdale
02 Climate Zone: 14
03 Total Unconditioned Floor Area (ft²): 360
04 Total Conditioned Floor Area (ft²): 0
05 Occupancy Types Within Project (check all that apply):
06 # of Stories (Habitable Above Grade): 1
07 Office
08 Retail
09 Warehouse
10 Hotel/Motel
11 School
12 Support Areas
13 Parking Garage
14 High-Rise Residential
15 Recreational
16 Healthcare
17 Other (Write in):

B. PROJECT SCOPE
This table includes any electrical service systems that are within the scope of the permit application.


Electrical Service Description	Scope of Work	Rating (kVA)	Utility Provided (kVA)	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §160.2, §160.3, §160.4 and §160.5 and compliance documents NRCC-MCH, NRCC-LI and NRCC-TS will indicate when demand response controls are required.
Service Electrical Metering	Separation for Metering	Voltage Drop	Controlled Capacitors	Compliance Results
See Table F-1	See Table G-1	See Table H-1	See Table I-1	

C. COMPLIANCE RESULTS
Table instructions: If this table says "DOES NOT COMPLY" refer to Table D. For guidance and review the Table that indicates "No".

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energy Code Act

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120719 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/3/2022



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

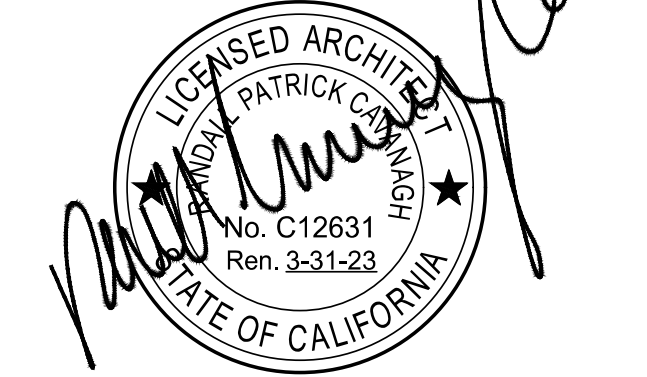
INTELLECTUAL PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWINGS, SPECIFICATIONS 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 BUILDING, STRUCTURE, OR OTHER 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 OR DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
24' x 40' THRU 48' x 40' (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-119283 INC.
REVIEWED FOR
SS FLS ACS CG
DATE: 09/20/2021

2019 CBC PRE-CHECK (PCI) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
MANUFACTURER PROFESSIONAL OF RECORD ON PC



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

REVISIONS

DRAWN BY: ADS/AH
SCALE: AS NOTED
DATE: 03/11/21
PROJECT NO: XXXX-21
SHEET TITLE: ENERGY CALCULATIONS
SHEET NUMBER:

EN.8

STATE OF CALIFORNIA
CALIFORNIA ENERGY COMMISSION

Electrical Power Distribution
NRC-ELC-1 (Revised 2/02)

CERTIFICATE OF COMPLIANCE
Project Name: 2019 AMS 2440 2GO PC
Project Address: NA (SITE SPECIFIC)

Report Page: Page 2 of 3
Date Prepared: 04/27/2020

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the Form.
No exceptional conditions apply to this project.

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

F. SERVICE ELECTRICAL METERING
This Section Does Not Apply.

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING
This Section Does Not Apply.

H. VOLTAGE DROP
This Section Does Not Apply.

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES
This Section Does Not Apply.

J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Table instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be viewed online at <https://www.energy.ca.gov/2016standards/2016standards/C4C-500-2016-031-031/AppendixForms/NRC>

YES	NO	Form/Title	Field Inspector
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRC-ELC-1-E - Must be submitted for all buildings.	<input type="checkbox"/>

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
There are no Certificates of Acceptance applicable to electrical power distribution requirements.

CA Building Energy Efficiency Standards - 2016 Residential Compliance: <https://www.energy.ca.gov/2016/2016standards> December 2017

STATE OF CALIFORNIA
CALIFORNIA ENERGY COMMISSION

Electrical Power Distribution
NRC-ELC-1 (Revised 2/02)

CERTIFICATE OF COMPLIANCE
Project Name: 2019 AMS 2440 2GO PC
Project Address: NA (SITE SPECIFIC)

Report Page: Page 3 of 3
Date Prepared: 04/27/2020

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
Documentation Author Name: JACOB P. JONES
Documentation Author Signature: [Signature]
Company: AMERICAN MODULAR SYSTEM
Signature Date: 04/27/2020
Address: 787 SPRECKELS AVE.
City/State/Zip: MANTECA, CA 95336
CEA/HERS Certification Identification (if applicable):
Phone: (209) 825-1921

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

Responsible Designer Name: RANDALL P. CAWAGH
Responsible Designer Signature: [Signature]
Company: AMERICAN MODULAR SYSTEM
Date Signed: 04/28/2020
Address: 787 SPRECKELS AVE.
City/State/Zip: MANTECA, CA 95336
License: C12631
Phone: (209) 825-1921

CA Building Energy Efficiency Standards - 2016 Residential Compliance: <https://www.energy.ca.gov/2016/2016standards> December 2017

STATE OF CALIFORNIA
CALIFORNIA ENERGY COMMISSION

SOLAR READY AREAS
NRC-SRA-01-E (Revised 11/16)

CERTIFICATE OF COMPLIANCE
Project Name: 2019 AMS 2440 2GO PC
Project Address: NA (SITE SPECIFIC)

Report Page: Page 1 of 3
Date Prepared: 04/28/2020

A. General Information
Project Address: [Blank]
Building Type: High-rise multi-family building with ten stories or fewer
 High-rise multi-family building with more than ten stories or fewer
 Other nonresidential building with ten stories or fewer
Solar-ready requirements do not apply to both/other buildings and high-rise multi-family building with more than ten stories or other nonresidential buildings with ten stories or fewer.
Type of Construction: New Construction Addition that increases roof area by more than 3,000 ft²
Solar-ready requirements do not apply to alterations or additions that increase the roof area by 2,000 ft² or less.

B. Solar-Ready
Choose Path (1), (2), (3), (4), (5), or (6) from below:
 Path 1: This is a quantity (1) from NRC-SRA-01-E Minimum Solar Zone Area Worksheet or required to be submitted.
 Path 2: This is a quantity (2) from NRC-SRA-01-E Minimum Solar Zone Area Worksheet.
 Path 3: This is a quantity (3) from NRC-SRA-01-E Minimum Solar Zone Area Worksheet.
 Path 4: This is a quantity (4) from NRC-SRA-01-E Minimum Solar Zone Area Worksheet.
 Path 5: This is a quantity (5) from NRC-SRA-01-E Minimum Solar Zone Area Worksheet.
 Path 6: This is a quantity (6) from NRC-SRA-01-E Minimum Solar Zone Area Worksheet.
Minimum Solar Zone Area (ft²): 144 - 288
Job Specific:
Proposed Solar Zone Area (ft²): [Blank]
The construction documents will indicate a location for inverters and mounting equipment and a pathway for routing of conduit from the solar zone to the point of interconnection with the electrical service. The construction documents will indicate a pathway for routing of plumbing from the solar zone to the water heating system.
A map of the construction documents or a comparable document indicating information about the solar zone and interconnection pathways will be provided to the inspector.
If the designer certifies that all above requirements have been met and the Proposed Solar Zone Area meets or exceeds:
 Does not comply Complies

10. Permanently Installed Solar Photovoltaic (PV) System
Total Roof Area (ft²): [Blank]
Minimum Nominal DC Power Rating (watts): [Blank]
Will the proposed building have a permanently installed solar electric system that meets or exceeds the Minimum Nominal DC Power Rating? No Yes
If yes, an NRC-SRA-01-E Certificate of Installation: Solar Photovoltaic System Documenting the Installed System must be submitted as a condition of final approval.
Please check box to right if answered yes to all questions in this section. EXEMPT

10. Permanently Installed Solar Water Heating System
Will the building have a permanently installed solar water heating system? No Yes
If yes, an NRC-SRA-01-E Certificate of Installation: Solar Water Heating System Documenting the Installed System must be submitted as a condition of final approval.
Is the annual solar energy fraction equal to or greater than 0.2 (minimum zone 1 through 9) or 0.3 (minimum zone 10 through 10P)? No Yes
Annual Solar Savings Fraction: [Blank]
Please check box to right if answered yes to all questions in this section. EXEMPT

CA Building Energy Efficiency Standards - 2016 Residential Compliance July 2016

STATE OF CALIFORNIA
CALIFORNIA ENERGY COMMISSION

SOLAR READY AREAS
NRC-SRA-01-E (Revised 11/16)

CERTIFICATE OF COMPLIANCE
Project Name: 2019 AMS 2440 2GO PC
Project Address: NA (SITE SPECIFIC)

Report Page: Page 2 of 3
Date Prepared: 04/28/2020

11. Smart Thermostats and Alternative Efficiency Measures
Will the building be a high-rise multi-family building with ten stories or fewer? Yes No
Will all thermostats in each dwelling unit comply with Reference Table Appendix 1 (A) and will they be capable of recording and responding to demand response signals prior to signing of an occupancy permit by the enforcing agency? Yes No
If the building is a high-rise multi-family building with ten stories or fewer:
 A thermostat that meets or exceeds the ENERGY STAR Program requirements with either a refrigerator that meets or exceeds the ENERGY STAR Program requirements or a whole house fan driven by an electronically controlled motor.
 A home automation system capable of, at a minimum, controlling the operation and lighting of the dwelling and responding to demand response signals.
 Alternative plumbing piping to permit the discharge from the clothes washer and all showers and bathtubs to be used for an irrigation system to comply with the California Plumbing Code, use an applicable local ordinance, or
 A water conservation system designed to comply with the California Plumbing Code and any applicable local ordinances, and that save minimum 30% of water at least 50% of the available roof area.

Please check box to right if answered yes to all questions in this section. EXEMPT

12. Road is Designed for Vehicle Traffic, Parking or for a Helipad
Will the roof be designed and approved to be used for vehicular traffic, parking or for a helipad? Yes No
Please provide building plan reference.
Please check box to right if answered yes to all questions in this section. EXEMPT

CA Building Energy Efficiency Standards - 2016 Residential Compliance July 2016

STATE OF CALIFORNIA
CALIFORNIA ENERGY COMMISSION

SOLAR READY AREAS
NRC-SRA-01-E (Revised 11/16)

CERTIFICATE OF COMPLIANCE
Project Name: 2019 AMS 2440 2GO PC
Project Address: NA (SITE SPECIFIC)

Report Page: Page 3 of 3
Date Prepared: 04/28/2020

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

Responsible Designer Name: RANDALL P. CAWAGH
Responsible Designer Signature: [Signature]
Company: AMS
Date Signed: 04/28/2020
Address: 787 SPRECKELS AVE.
City/State/Zip: Manateca, CA 95336
Phone: 209-825-1921

CA Building Energy Efficiency Standards - 2016 Residential Compliance July 2016

STATE OF CALIFORNIA
CALIFORNIA ENERGY COMMISSION

MINIMUM SOLAR ZONE AREA WORKSHEET
NRC-SRA-01-E (Revised 11/16)

CERTIFICATE OF COMPLIANCE
Project Name: 2019 AMS 2440 2GO PC
Project Address: NA (SITE SPECIFIC)

Report Page: Page 1 of 3
Date Prepared: 04/28/2020

A. General Information
Project Address: 787 SPRECKELS AVE. - MANATECA, CA 95336
Year Roof Area: Greater than 30,000 ft² Greater than 10,000 ft² Addition that increases roof area by more than 2,000 ft²

Step 1: Determine Minimum Solar Zone Area
Calculate the minimum solar zone area using one of the two options provided below. Use option 2 if your roofs and overhangs are shaded.
Method 1: Minimum Solar Zone Area based on Total Roof Area Requirements in 210.10(b)(1)
New Construction: Total roof area added to building (ft²): A = 960 - 1920
Address: Area of new roof area covered with solar (ft²): B = 0
Minimum solar zone area: C = 0.15 x (A - B) = 144 - 288
Use for addition: If a 2,000 ft² area addition does not need to comply with solar zone requirements.
Method 2: Minimum Solar Zone Area based on Potential Solar Zone Requirements in 210.10(b)(2)
The enforcement agency may require additional documentation that describes how the reduced solar zone area was determined.
Method 2(a) (New Construction):
Area of low-sloped roof (pitch of rise to run is greater than 2:12 or less) where the annual solar area is 70% or greater (ft²): D = [Blank]
Area of steep-sloped roof (pitch of rise to run is greater than 2:12) that is oriented between 15° and 210° and annual solar access is 70% or greater (ft²): E = [Blank]
Minimum solar zone area: F = 0.5 x (D + E) = G = [Blank]
* For new construction consider total roof area; for addition consider newly added roof area.
Minimum solar zone area (either Car 1) (ft²): G = 144 - 288

CA Building Energy Efficiency Standards - 2016 Residential Compliance April 2016

STATE OF CALIFORNIA
CALIFORNIA ENERGY COMMISSION

MINIMUM SOLAR ZONE AREA WORKSHEET
NRC-SRA-01-E (Revised 11/16)

CERTIFICATE OF COMPLIANCE
Project Name: 2019 AMS 2440 2GO PC
Project Address: NA (SITE SPECIFIC)

Report Page: Page 2 of 3
Date Prepared: 04/28/2020

Step 2: Allocated Solar Zone Subareas

Subarea ID	Building Plan Reference	Slope of Roof or Overhang	If Slope or Overhang oriented 110° or Part 9 and 210°	Subarea is located in the solar zone or is free of obstruction?	Subarea is located in the solar zone, if the height difference between the highest obstruction and the horizontal projection of the nearest point of the solar zone, measured in the vertical plane.	Smallest dimension is greater than 5 feet	Subarea meet minimum area requirement?	Subarea Qualified?	Area (ft ²)	
H	I	J	K	L	M	N	O	P	Q	R
Low	NA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	144

Add Row Remove Row
Proposed Solar Zone Area (ft²) (sum of all qualified subareas): 144
A. The solar zone shall comply with access, pathway, smoke ventilation, and spacing requirements as specified in Title 24, Part 9 or other Parts of Title 24 or in any requirements adopted by a local jurisdiction.
B. No obstructions, including but not limited to vents, chimneys, architectural features, and roof mounted equipment, shall be located in the solar zone.
C. Solar zone may be located on closer than twice the distance, measured in the horizontal plane, of the height difference between the highest obstruction and the horizontal projection of the nearest point of the solar zone.
D. If the building roof area is > 10,000 ft² then minimum area is 100 ft². If building roof area > 10,000 ft² then minimum area is 100 ft².
E. Check "yes" if answers to questions in columns K through P are "yes".
Building complies with Minimum Solar Zone Area requirement if Proposed Solar Zone Area [R] is equal to or greater than the Minimum Solar Zone Area [Q]. COMPLIES

CA Building Energy Efficiency Standards - 2016 Residential Compliance April 2016

STATE OF CALIFORNIA
CALIFORNIA ENERGY COMMISSION

MINIMUM SOLAR ZONE AREA WORKSHEET
NRC-SRA-01-E (Revised 11/16)

CERTIFICATE OF COMPLIANCE
Project Name: 2019 AMS 2440 2GO PC
Project Address: NA (SITE SPECIFIC)

Report Page: Page 3 of 3
Date Prepared: 04/28/2020

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

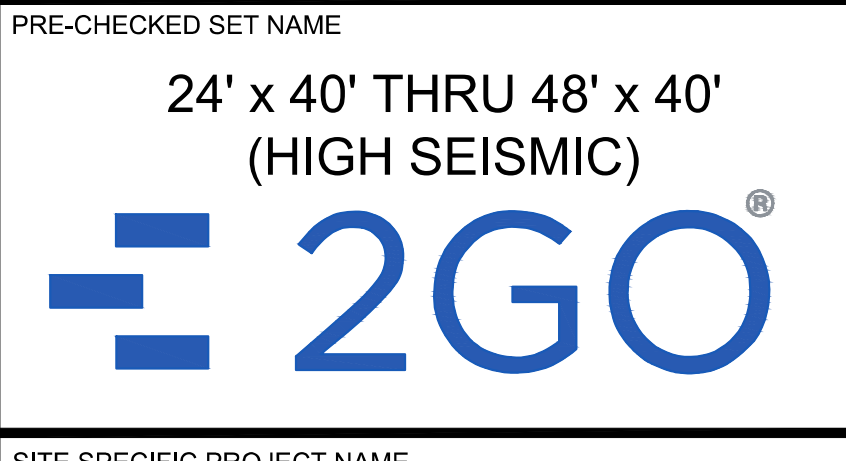
Responsible Designer Name: RANDALL P. CAWAGH
Responsible Designer Signature: [Signature]
Company: AMS
Date Signed: 04/28/2020
Address: 787 SPRECKELS AVE.
City/State/Zip: Manateca, CA 95336
Phone: 209-825-1921

CA Building Energy Efficiency Standards - 2016 Residential Compliance April 2016

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC:
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023



INTELLECTUAL PROPERTY AND 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 DRAWINGS, SPECIFICATIONS, 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 PURPORT OF BEING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF ANY BUILDING, STRUCTURE, OR OTHERS. 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.



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-119283 BS
REVIEWED FOR
SS FLS ACS
DATE: 09/20/2021



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

REVISIONS

DRAWN BY: ADS/AH
SCALE: AS NOTED
DATE: 03/11/21
PROJECT NO: XXXX-21
SHEET TITLE:

ENERGY CALCULATIONS

SHEET NUMBER:
EN.9

STATE OF CALIFORNIA
WATER HEATING SYSTEM GENERAL INFORMATION
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE: NRCC-PLB-03-E
 Water Heating System General Information (Page 2 of 2)
 Project Name: AMS Modular PCs - Water Heater Prescriptive Report
 Issue Month: 11/15/2018

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Hana Mansman, LEED AP, CEA
 Documentation Author Signature: [Signature]
 Date: 11/15/2018
 Title: [Title]

Company: Burnmitt Energy Associates, Inc.
 Address: 777 South Highway 101, Suite 203
 City: Solana Beach, CA 92075
 Phone: 619-531-1126 x105

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufacturer of devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 4 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, specifications, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit application for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Person Name: Randall P. Caravaggio
 Responsible Person Signature: [Signature]
 Date: 04/28/2020
 Title: [Title]

Company: American Modular Systems | Gen7
 Address: 787 Spreckels Avenue
 City: Manteca, CA 95336
 Phone: 209.825.1921

STATE OF CALIFORNIA
WATER HEATING SYSTEM GENERAL INFORMATION
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE: NRCC-PLB-03-E
 Water Heating System General Information (Page 1 of 2)
 Project Name: AMS Modular PCs - Water Heater Prescriptive Report
 Issue Month: 11/15/2018

A. GENERAL INFORMATION/SYSTEM INFORMATION

01 Water Heater System Name: Rheem
 02 Water Heater System Configuration: Electric Resistance Storage
 03 Water Heater System Type: Electric Resistance Storage
 04 Building Type: School (Classrooms with Support spaces)
 05 Total Number of Water Heaters in System: 1
 06 Central Energy Distribution Type: n/a
 07 Dwelling Unit DRW Distribution Type: n/a

B. WATER HEATER INFORMATION

Each water heater type requires a separate compliance document.

01 Water Heater Type: Small Electric Storage
 02 Fuel Type: Electric
 03 Manufacturer Name: Rheem
 04 Model Number: RZVP30
 05 Number of Identical Water Heaters: 1
 06 Installed Water Heater System Efficiency: 0.93
 07 Required Minimum Efficiency: 0.92 (0.960 - (0.00132 * V))
 08 Standby Loss Percent or Standby Loss Total: n/a (only for large water heaters)
 09 Rated Input: 15,359 Btu/h
 10 Pilot Energy: n/a
 11 Water Heater Tank Storage Volume: 30 gal
 12 Exterior Insulation on Water Heater: n/a
 13 Volume of Supplemental Storage: n/a
 14 Internal Insulation on Supplemental Storage: n/a
 15 Exterior Insulation on Supplemental Storage: n/a

C. PLUMBING COMPLIANCE FORMS & WORKSHEETS

Check box if worksheet is included.
 For detailed instructions on the use of this and all Energy Standards compliance documents, refer to the 2016 Nonresidential Manual Note: The Enforcement Agency may require all compliance documents to be incorporated onto the building plans.

YES	NO	Doc/Worksheet #	Title
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-PLB-01-E	Certificate of Compliance, Declaration, Required on plans for all submittals.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-PLB-01-E	Certificate of Installation, Required on plans for all submittals.
<input type="checkbox"/>	<input type="checkbox"/>	NRCC-PLB-02-E	Certificate of Installation, required on central systems in high-rise residential, hotel/motel application.
<input type="checkbox"/>	<input type="checkbox"/>	NRCC-PLB-03-E	Certificate of Installation, required on single dwelling unit systems in high-rise residential, hotel/motel application.
<input type="checkbox"/>	<input type="checkbox"/>	NRCC-PLB-21-H	Certificate of Installation, required on HERS verified central systems in high-rise residential, hotel/motel application.
<input type="checkbox"/>	<input type="checkbox"/>	NRCC-PLB-22-H	Certificate of Installation, required on HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.
<input type="checkbox"/>	<input type="checkbox"/>	NRCC-21H-01-E	Certificate of Installation, required on any solar water heating

Point-of-use electric water heaters feature a space-saving design for installation in limited spaces


Efficiency
 • .93 EF for 30-gallon model

Features
 • High efficiency heating element
 • One temperature protective cutoff off power in excess temperature situations
 • Automatic thermostat keeps water at desired temperature
 • Wall bracket for easy wall mount installation and convenient reeling 1/4 turn drain valve included with 2.5-gallon model

Plus...
 • Temperature and pressure relief valve
 • Exclusive Rheem® tank lining resists corrosion and prolongs tank life
 • Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements
 • These units are UL listed and comply with Underwriter's Laboratories Specifications 174

Warranty
 • 6-Year Limited tank and parts warranty
 • See Underwriter's Laboratory Certificate for complete information

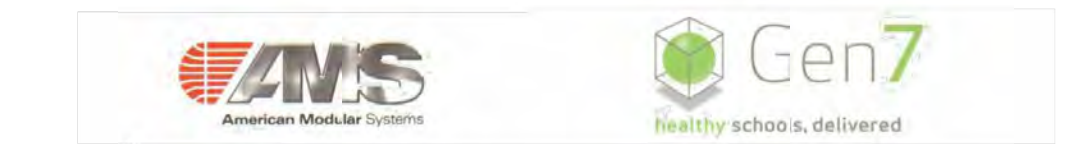
Point-of-Use
 2.5, 6, 10, 15, 20 and 30-Gallon Capacities
 150 Volt AC
 2-Wire Single Phase Electric



DESCRIPTION	HEIGHT	WIDTH	DEPTH	WEIGHT	ENERGY EFFICIENCY (EF)	STANDBY LOSS (BTU/HR)	REHEATING ENERGY (BTU/HR)	MAXIMUM THERMAL STORAGE (GAL)	MAXIMUM THERMAL STORAGE (L)
2.5 GPM	14"	14"	9.5"	12	0.93	15,359	0	30	113.5
6 GPM	18.5"	18.5"	13.5"	20	0.93	15,359	0	30	113.5
10 GPM	24"	24"	17.5"	30	0.93	15,359	0	30	113.5
15 GPM	28.5"	28.5"	21.5"	40	0.93	15,359	0	30	113.5
20 GPM	34"	34"	25.5"	50	0.93	15,359	0	30	113.5

In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.
 Rheem Water Heaters • 101 Bell Road Montgomery, Alabama 36117-4200 • www.rheem.com

CA Building Energy Efficiency Standards: 2016 Nonresidential Compliance January 2016



April 30, 2020
 DSA
 Division of the State Architect
 5100 Q Street
 Sacramento, CA 95811

This letter is in regards to the 2019 Energy/CALGreen Code DSA Plan Review, 2019 CBC - AMS PC Submissions.

American Modular Systems (AMS) shall conform their on-site construction practices to comply with the required construction waste management practices illustrated in the Part 11, Title 24 California Green Building Code (CBC). The intent of this letter is to inform, illustrate, and demonstrate that AMS and its building comply to the following applicable code section illustrated below:

- 2019 California Green Building Code (CBC) - Part 11, Title 24, CCR
- Section 4.06.1 - Construction Waste Management
- If the construction waste management takes place in the factory, provide program specific to CALGreen plan reviewer which identifies:
- Percentage of waste to be salvaged or recycled with a minimum of 65% of non-hazardous construction waste.
 - Procedures for waste management reporting.
 - Type of waste to be diverted.
 - If sorted or bulk mixed.
 - Handled by a waste management company or a diversion facility.
 - If calculated by weight or volume.

- AMS shall comply to this section by the following procedure & practice:
- AMS shall be responsible for the organization and management of construction waste on the factory site, including the responsibility of recycling waste that is a minimum of 65% of non-hazardous construction waste.
 - AMS shall order rental waste recycling bins from a licensed and authorized waste management company from the City of Manteca, or equivalent in that matter. Upon approval, the bin(s) shall be dropped off on factory site by third waste management company. As the bins reach full capacity of construction waste, AMS schedules a pick-up for the bins and is given invoice receipts from the waste management company.
 - AMS shall station the bins wherever needed for AMS plant workers to salvage and/or recycle construction waste during the work day. Each bin is labeled to help sort the different types of construction waste (e.g. Wood, Scrap Metal, Glass, Leather).
 - AMS plant workers and management are responsible for sorting each bin with the correct types of construction waste listed above.
 - The invoice provided by the third waste management company provides a description of the bin(s) and additional information.
 - Invoice receipts provide calculated weights of each bin & pricing of rental usage.

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

Thank you,
 [Signature]
 Randall P. Caravaggio

American Modular Systems, Inc., 787 Spreckels Ave., Manteca, California 95336, Ph: 209.825.1921 Fax: 209.825.7916
 www.americanmodular.com

PROPOSED FRAMED ENVELOPE ASSEMBLY FORM-3R / ENV-3
 for Residential & Nonresidential Buildings - EZFRAME Version 2.0
 Project Name: AMS

COMPONENT DESCRIPTION

Assembly Name	Roof
Assembly Type	Metal
Framing Material	48"
Framing Spacing	
Framing Size	
Actual depth	3.560"
Actual width	3.888"
Cavity Insulation	R-value : 19.0
Knock-out (%)	0.0
Web Thickness	0.1466"
Insulation Type	R-value
Interior flange	1.0
Exterior flange	0.0

SKETCH OF ASSEMBLY

CONSTRUCTION COMPONENTS

Description	R-value	Thickness	Int/Ext	Air/	Metal
Exterior Components:					
Outside surface air film	0.17	N/A	Ins	N/A	YES
1. Steel Siding	0.00	0.06"	N/A	NO	YES
Interior Components:					
1. 3/8" Acoustic Tile	0.95	0.38"	NO	NO	N/A
Inside surface air film	0.62	N/A	N/A	N/A	N/A

RESULTS FOR: AMS

Total R-value :	14.27	h. ft2. F/Btu
Total U-value :	0.070	Btu/h. ft2.F

COMMENTS

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

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

INTELLECTUAL PROPERTY AND 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 DRAWINGS, SPECIFICATIONS 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 FUNDING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF ANY BUILDING, 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
 24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119265 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
 MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
 PATRICK HONG
 No. C12631
 Ren. 3-31-23
 STATE OF CALIFORNIA

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

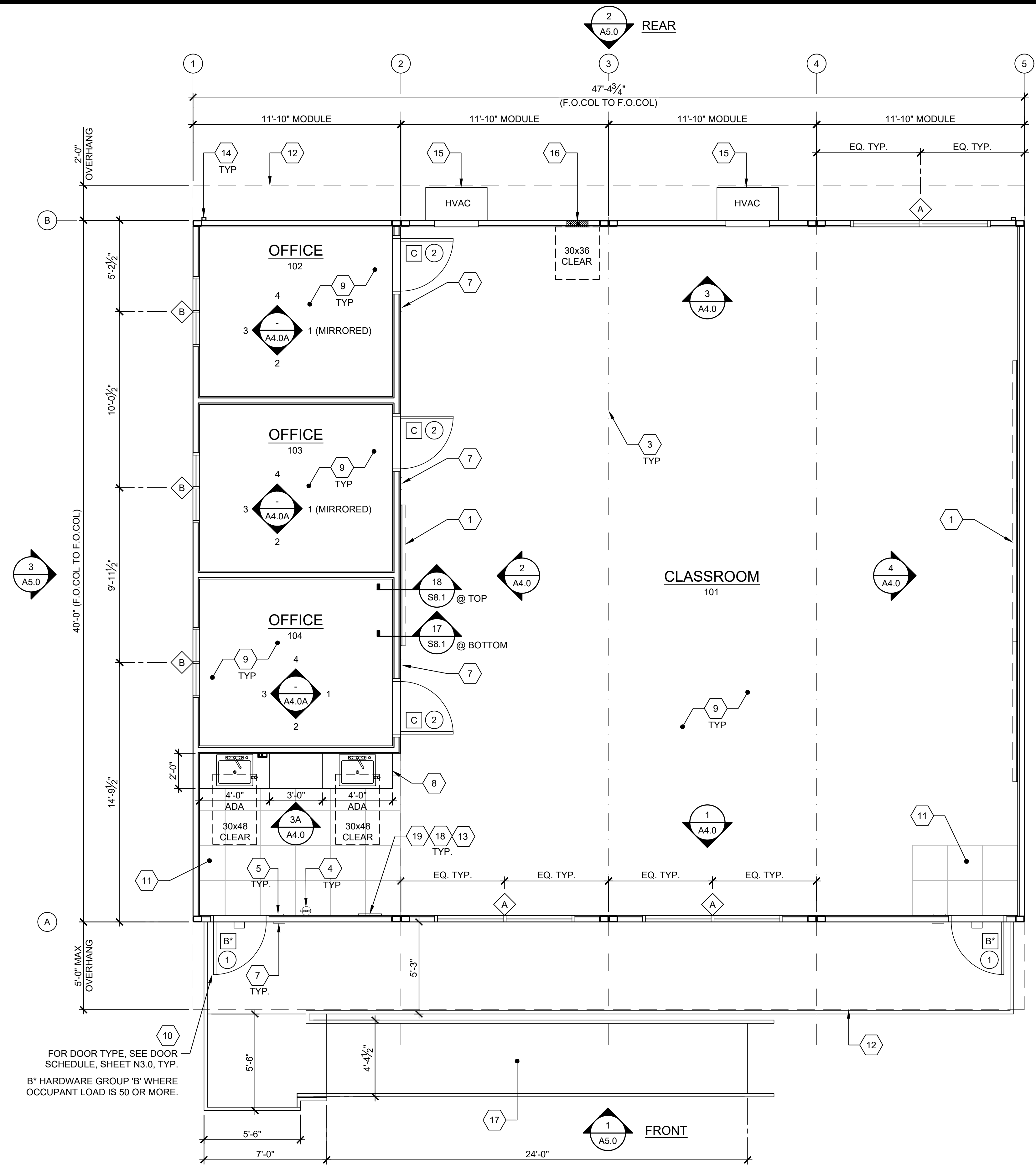
REVISIONS

NO.	DESCRIPTION
△	
△	
△	
△	

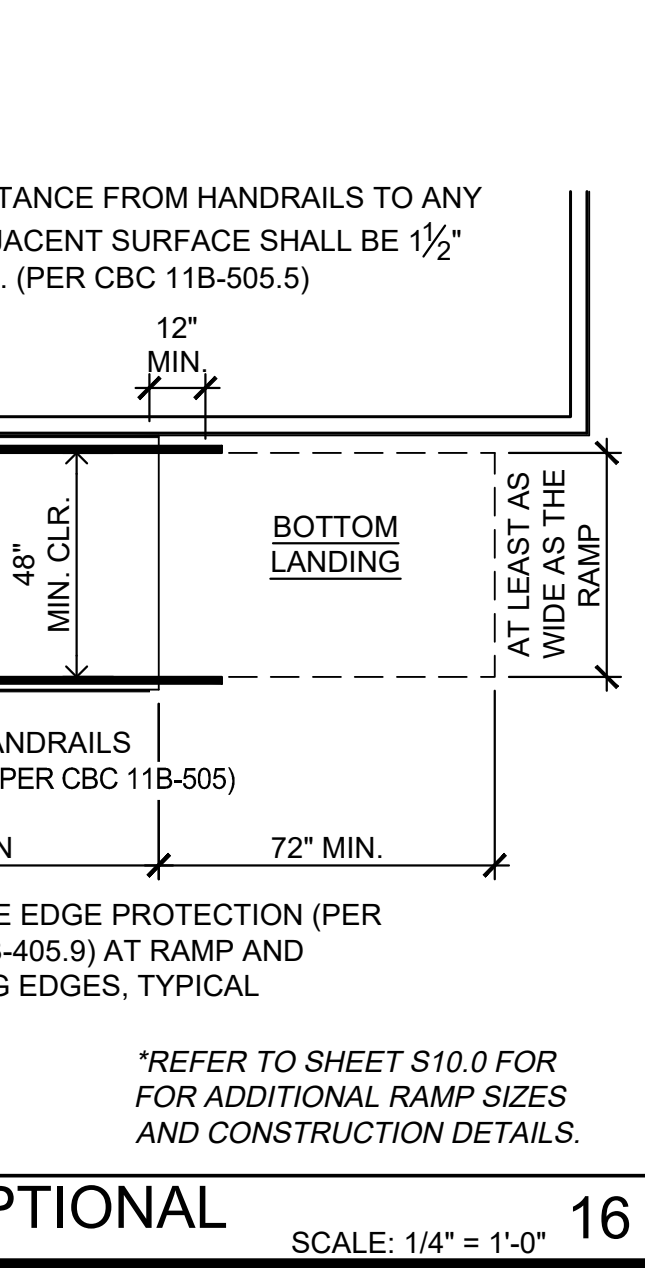
DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21
 SHEET TITLE:

ENERGY CALCULATIONS

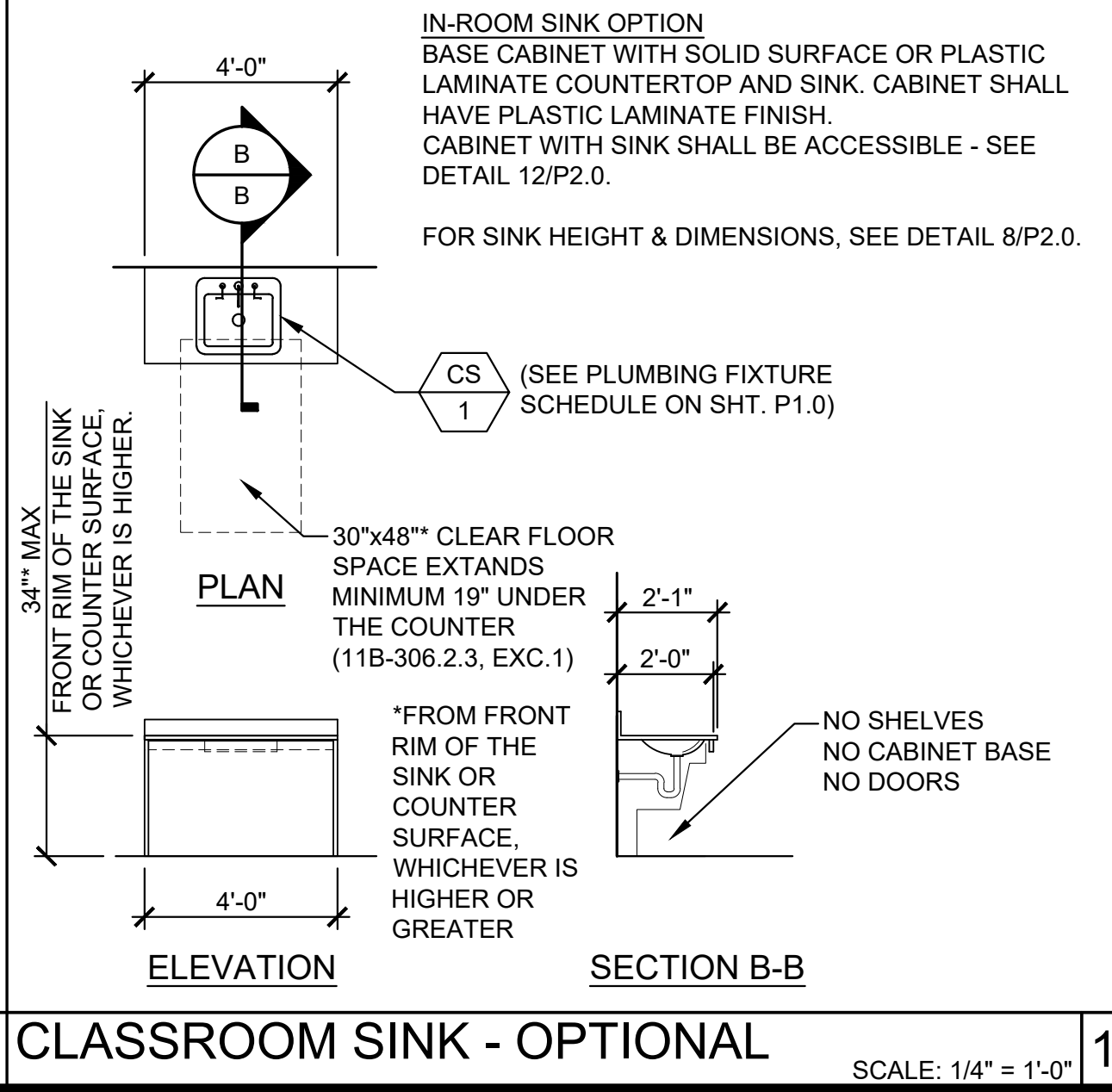
SHEET NUMBER:
EN.10
 N



TYPICAL FLOOR PLAN



TYPICAL RAMP PLAN - OPTIONAL



CLASSROOM SINK - OPTIONAL

ENERGY CONTROLS

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

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

ENERGY NOTES

ACOUSTIC CONTROLS

- WHEN THE PRE-CHECK (PC) BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES SHALL COMPLY WITH THE CALGREEN CODE, SECTION 5.507.4, FOR THE SPECIFIC SITE LOCATION.
- MINIMUM WALL ASSEMBLIES:** WALL ASSEMBLIES SHALL BE CONSTRUCTED PER DETAIL SHEETS A5.1, A5.3, & A8.0, WITH EITHER 2x4 WOOD STUDS, MINIMUM STC RATINGS LISTED BELOW ARE PER THE CATALOG OF STC & IIC RATINGS FOR WALL AND FLOOR/CEILING ASSEMBLIES, PRODUCED BY THE OFFICE OF NOISE CONTROL, CA DEPARTMENT OF HEALTH SERVICES.

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

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

ACOUSTIC NOTES

- (2) 8'x4' MARKER BOARDS - SEE SHEET A4.0
- NOT USED
- TYP. MOD LINE
- FIRE EXTINGUISHER - TOP OF HANDLE @ +48" A.F.F. 4" MAX PROTRUSION FROM WALL IF BOTTOM OF FIRE EXTINGUISHER IS ABOVE 27" A.F.F.
- TACTILE EXIT SIGN PER DETAIL 10N4.0 (BY OTHERS)
- EGRESS AREA
- ROOM SIGNAGE AND I.S.A. PER DETAILS S89/N4.0 (BY OTHERS)
- CLASSROOM SINKS & CASEWORK
- LVT FLOORING
- EGRESS DOOR
- NON-ABSORBENT FLOOR AREA (2'-0" MIN. IN ALL DIRECTIONS @ ALL ENTRY DOOR) CHANGES IN LEVEL ARE NOT PERMITTED IN DOOR MANEUVERING CLEARANCE (11B-404.2.4.1 AND 11B-404.2.4.4) BY OTHERS.
- OVERHANG
- OCCUPANT LOAD SIGN PER DETAIL 11/N4.0 (BY OTHERS)
- DOWNSPILT - DISCHARGE TO SPLASH BLOCK (U.O.N.) (QUANTITY AND LOCATION MAY VARY)
- HVAC - SEE MECHANICAL
- ELECTRICAL PANEL (LOCATION MAY VARY)
- TYPICAL RAMP REFER TO DETAIL 16/-.
- FLOOR LIVE LOAD SIGN PER 2019 CBC SECTION 106.1 PROVIDED BY OTHERS. (FLOOR LIVE LOAD SIGN IS REQUIRED ONLY FOR COMMERCIAL OR INSTITUTIONAL BUILDINGS DESIGNED WITH LIVE LOADS EXCEEDING 50 PSF)
- ASSISTIVE LISTENING (AL) SIGN POSTED IN PROMINENT PLACE AT OR NEAR THE ENTRANCE PER 17/N4.0.

KEY NOTES

- REFER TO SHEETS N5.0 FOR POSSIBLE ADDITIONAL FLOOR PLAN CONFIGURATIONS.
- OPTIONAL INTERIOR WALLS MAY OCCUR THROUGHOUT THE BUILDING AS CONSTRUCTED PER SHEET S8.1. THE PC TITLE 24 HAS BEEN RUN FOR THE WORST CASE ENVELOPE BASED ON AREA.
- PANIC HARDWARE COMPLYING WITH C.B.C. 1010.1.10 IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER.
- IF OCCUPANCY LOAD EXCEEDS 50, PROVIDE A SECOND EXIT DOOR, PER CBC TABLE 1006.2.1.
- FOR ROOMS OR SPACES CLASSIFIED AS AN ASSEMBLY OCCUPANCY, PROVIDE AN OCCUPANT LOAD SIGN (BY OTHERS) IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT, PER C.B.C. SECTION 1004.9.
- ALL PRIMARY EXTERIOR DOOR ENTRIES SHALL BE COVERED TO PREVENT WATER INTRUSION BY USING NONABSORBENT FLOOR AND WALL FINISHES WITHIN AT LEAST 2 FEET AROUND AND PERPENDICULAR TO OPENING, PER CALGREEN, SECTION 5.407.2.2.1.
- PRIMARY EXTERIOR DOOR ENTRIES SHALL HAVE AT LEAST ONE OF THE FOLLOWING:
 - INSTALLED AWNING AT LEAST 4 FEET IN DEPTH (BY OTHERS).
 - ROOF OVERHANG AT LEAST 4 FEET IN DEPTH.
 - DOOR RECESSED AT LEAST 4 FEET.
 - OTHER METHODS WHICH PROVIDE EQUIVALENT PROTECTION (BY OTHERS).
- 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 240 SQ. FT. FOR A DOUBLE-WIDE ROOM AND 168 SQ. FT. FOR A TRIPLE WIDE ROOM. JUSTIFICATION OF LARGER AREAS MAY BE BASED ON RATIO AND INTERPOLATION.

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

- X # = MECHANICAL OR PLUMBING FIXTURE - SEE MECHANICAL OR PLUMBING DRAWINGS
- X = KEY NOTE - SEE KEY NOTES ABOVE
- X = DOOR TYPE - SEE SCHEDULE, SHEET N3.0
- X = DOOR HARDWARE - SEE HARDWARE SCHEDULE, SHEET N3.0
- X = WINDOW TYPE - SEE SCHEDULE, SHEET N3.0

SYMBOLS LEGEND

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

ACOUSTIC NOTES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023

APP: 02-120719 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/3/2022

AMS
American Modular Systems

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

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 DRAWINGS, SPECIFICATIONS 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 ANY BUILDING, 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

24' x 40' THRU 48' x 40'
(HIGH SEISMIC)

2GO

SITE SPECIFIC PROJECT NAME

STOCKPILE
(1) 48'x40' BUILDING

2019 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENCED ARCHITECT
PATRICK C. HONAN
No. C12631
Ren. 3-31-23
STATE OF CALIFORNIA

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

REVISIONS

NO.	DESCRIPTION

DRAWN BY: AB
SCALE: AS NOTED
DATE: 10/26/22
PROJECT NO: 1730-22

SHEET TITLE:
TYPICAL FLOOR PLAN

SHEET NUMBER:
A1.0 Y

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 BUILDING, 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
 24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 .
 .
 .

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119283 INC.
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
 MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENCED ARCHITECT
 PATRICK O. HONG
 No. C12631
 Ren. 3-31-23
 STATE OF CALIFORNIA

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

REVISIONS
 △
 △
 △
 △

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21

SHEET TITLE:
 TYPICAL ROOF PLAN
 METAL STANDING SEAM

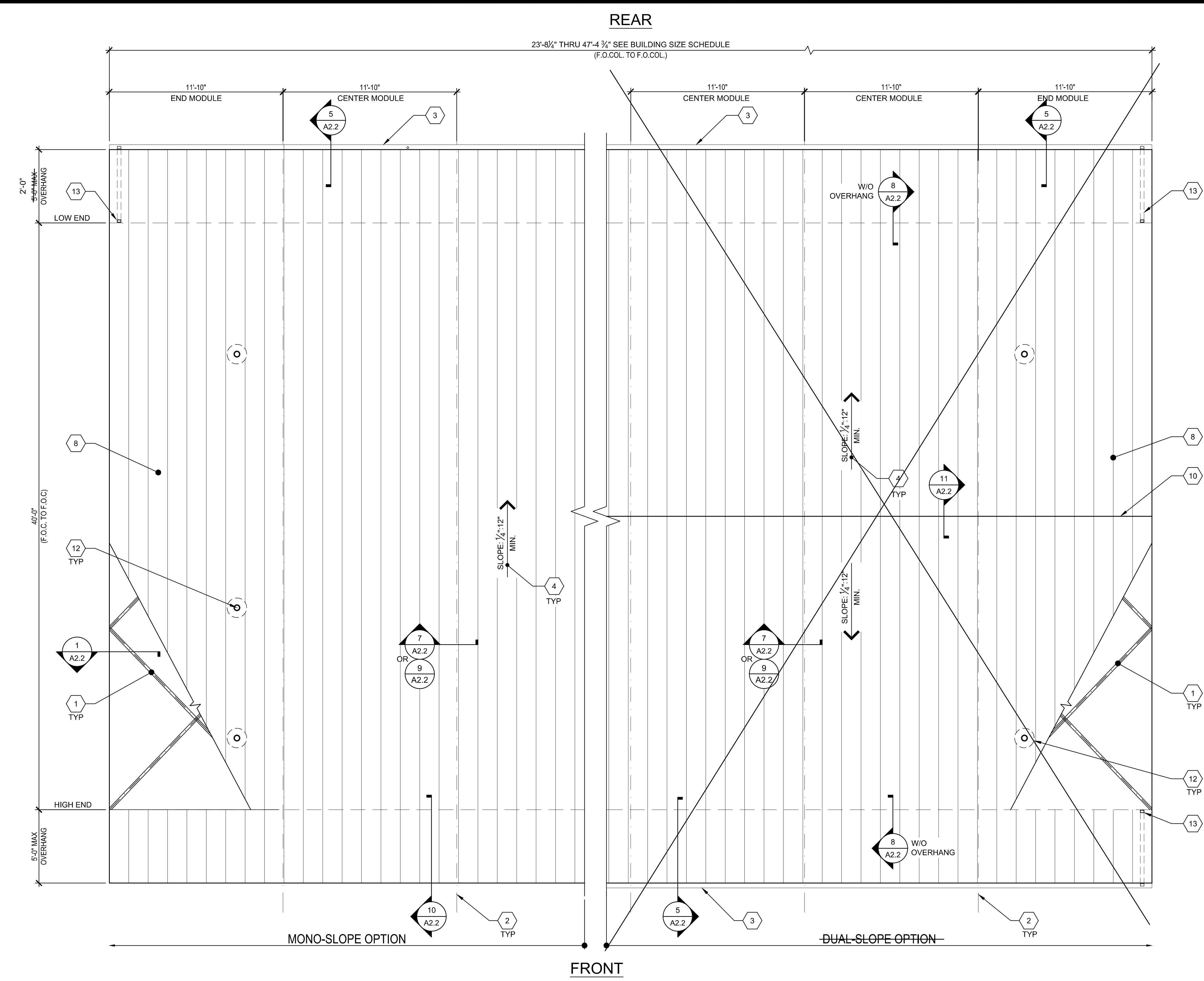
SHEET NUMBER:
A2.0 N

- 1 ROOF STRAP CROSS BRACING PER SHEET S4.0.
- 2 TYPICAL MOD LINE
- 3 OPTIONAL GUTTER PER DETAIL 5/A2.2
- 4 TYPICAL ROOF SLOPE
- 5 NOT USED
- 6 NOT USED
- 7 NOT USED
- 8 STANDING SEAM METAL ROOF PER 7/S0.0 & DETAILS ON SHEET A2.2
- 9 NOT USED
- 10 RIDGE @ DUAL-SLOPE OPTION
- 11 NOT USED
- 12 PIPE VENT PER PLUMBING PLANS & 2/M1.6
- 13 OPTIONAL DOWNSPOUT - SEE ROOF DRAIN SCHEDULE BELOW FOR MIN. # OF DRAINS.
- 14 NOT USED
- 15 NOT USED

KEY NOTES
 1. OPTIONAL GUTTERS SHALL BE LOCATED ALONG THE END-WALLS OF THE BUILDING(S):
 - MONO-SLOPE: REAR END WALLS ONLY.
 - DUAL-PITCH: BOTH FRONT & REAR END WALLS.

SHEET NOTES

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



TYPICAL ROOF PLAN

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

ROOF DRAIN SCHEDULE

ROOF AREA DRAINS (WITH 5'+2' OVERHANGS)			
BUILDING SIZE (NOM.)	ROOF AREA	MINIMUM NO. OF DRAINS	SIZE OF DRAIN
<input type="checkbox"/> 24'x40'	1128	1	2x3
<input type="checkbox"/> 36'x40'	1692	1	2x3
<input checked="" type="checkbox"/> 48'x40'	2256	1	2x3

NOTES:
 1. DOWNSPOUTS & LEADERS PER C.P.C. 1106.1 AND TABLE 1101.12.
 2. PC DOWNSPOUT SIZING BASED ON ROOF AREA AND MAX RAINFALL RATE OF 3" PER HOUR. SITE SPECIFIC BUILDING MAY UTILIZE LOCAL RAINFALL RATE--PROVIDE SITE RAINFALL RATE TO DETERMINE MINIMUM NUMBER OF DRAINS REQUIRED.

BUILDING SIZE SCHEDULE

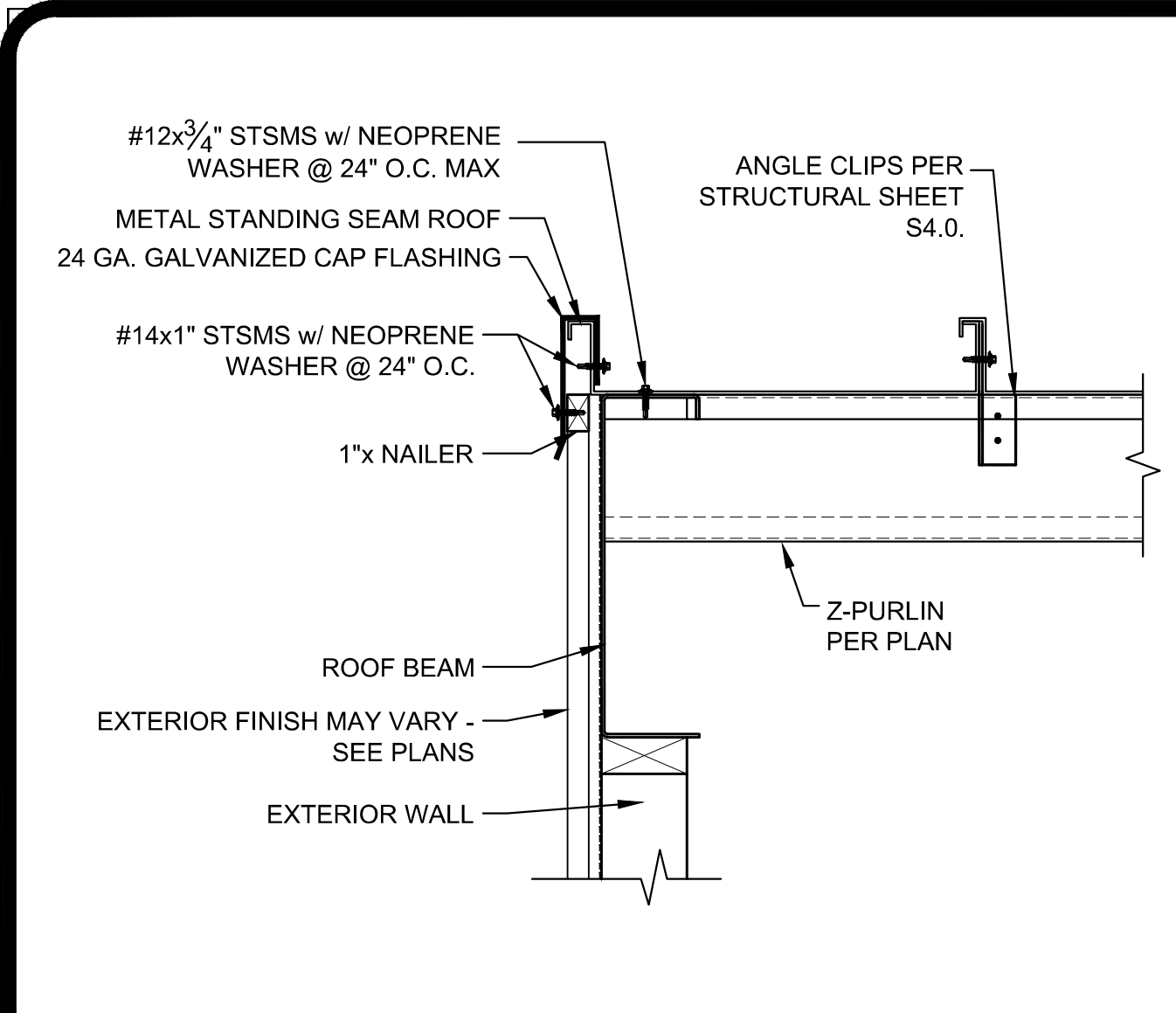
BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL FNDN WIDTH
<input type="checkbox"/> 24'x40'	2	0	23'-8"
<input type="checkbox"/> 36'x40'	3	1	35'-6"
<input checked="" type="checkbox"/> 48'x40'	4	2	47'-4"

NOT USED 3

NOT USED 4

SOLAR-READY ZONE REQUIREMENTS

REQUIRED SOLAR-READY ZONE		
BUILDING SIZE (NOM.)	MAX. ROOF AREA (SQ. FT.)	REQ'D ZONE AREA (SQ. FT.)
<input type="checkbox"/> 24'x40'	1200	180
<input type="checkbox"/> 36'x40'	1800	270
<input checked="" type="checkbox"/> 48'x40'	2400	360

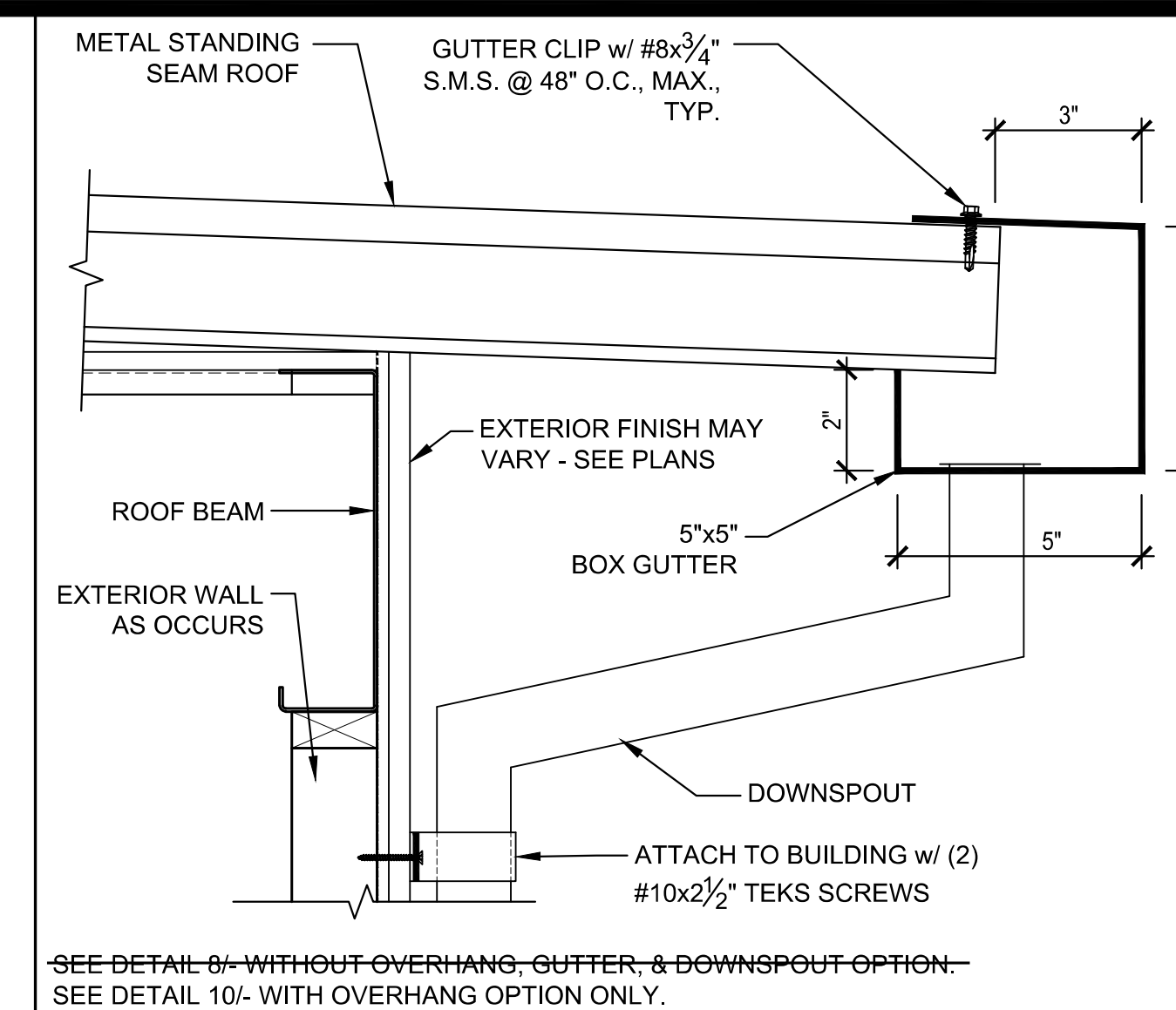


SEE SHEETS A5.0 & A5.2 FOR EXTERIOR FINISHES.
METAL ROOF w/ STRAPS
 SCALE: 1 1/2"=1'-0"

1 NOT USED

2 NOT USED

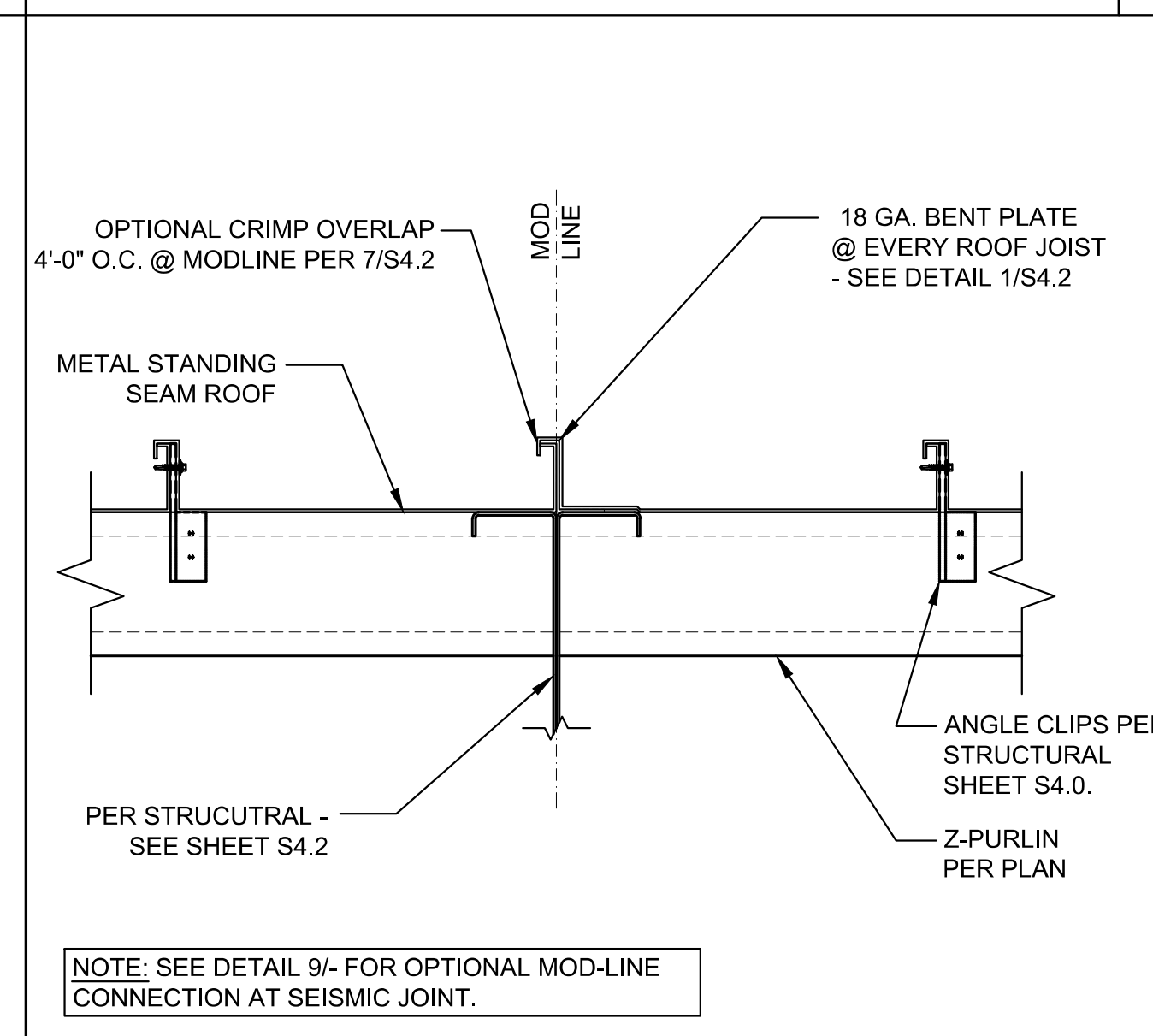
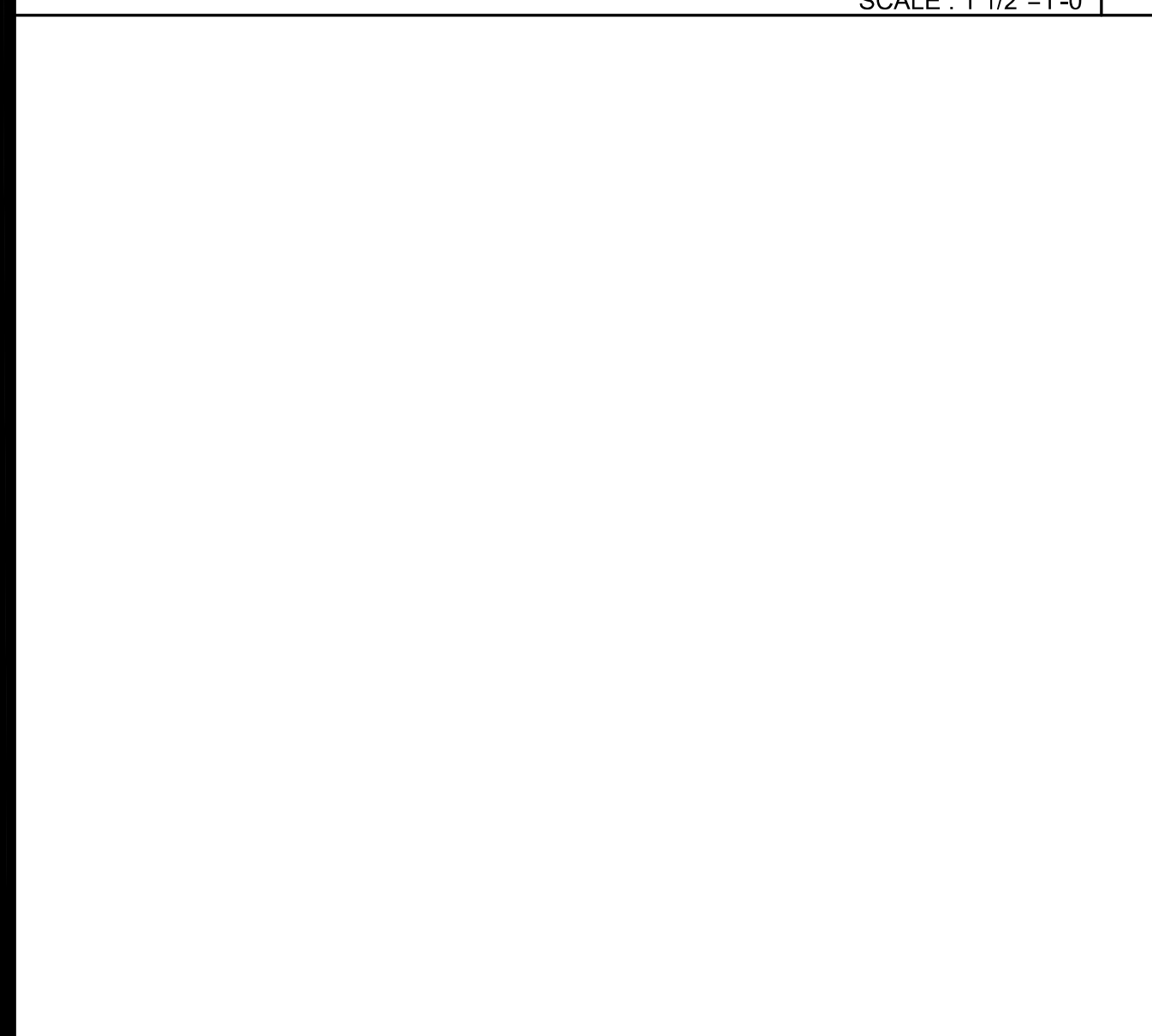
3 NOT USED



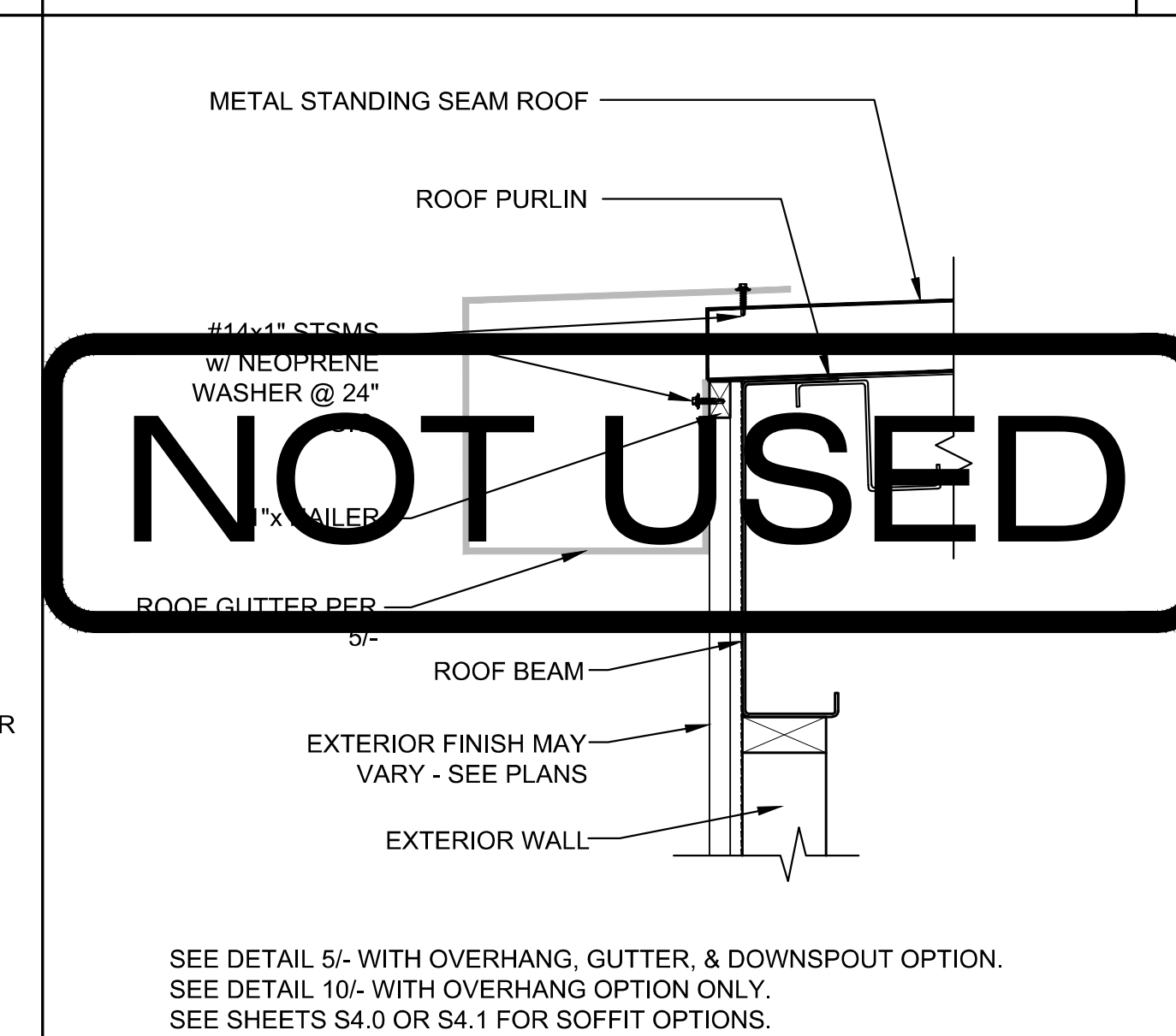
SEE DETAIL 6/- WITHOUT OVERHANG, GUTTER, & DOWNSPOUT OPTION.
 SEE DETAIL 10/- WITH OVERHANG OPTION ONLY.
 SEE SHEETS S4.0 FOR SOFFIT.
TYP. GUTTER ATTACHMENT
 SCALE: 1 1/2"=1'-0"

4 NOT USED

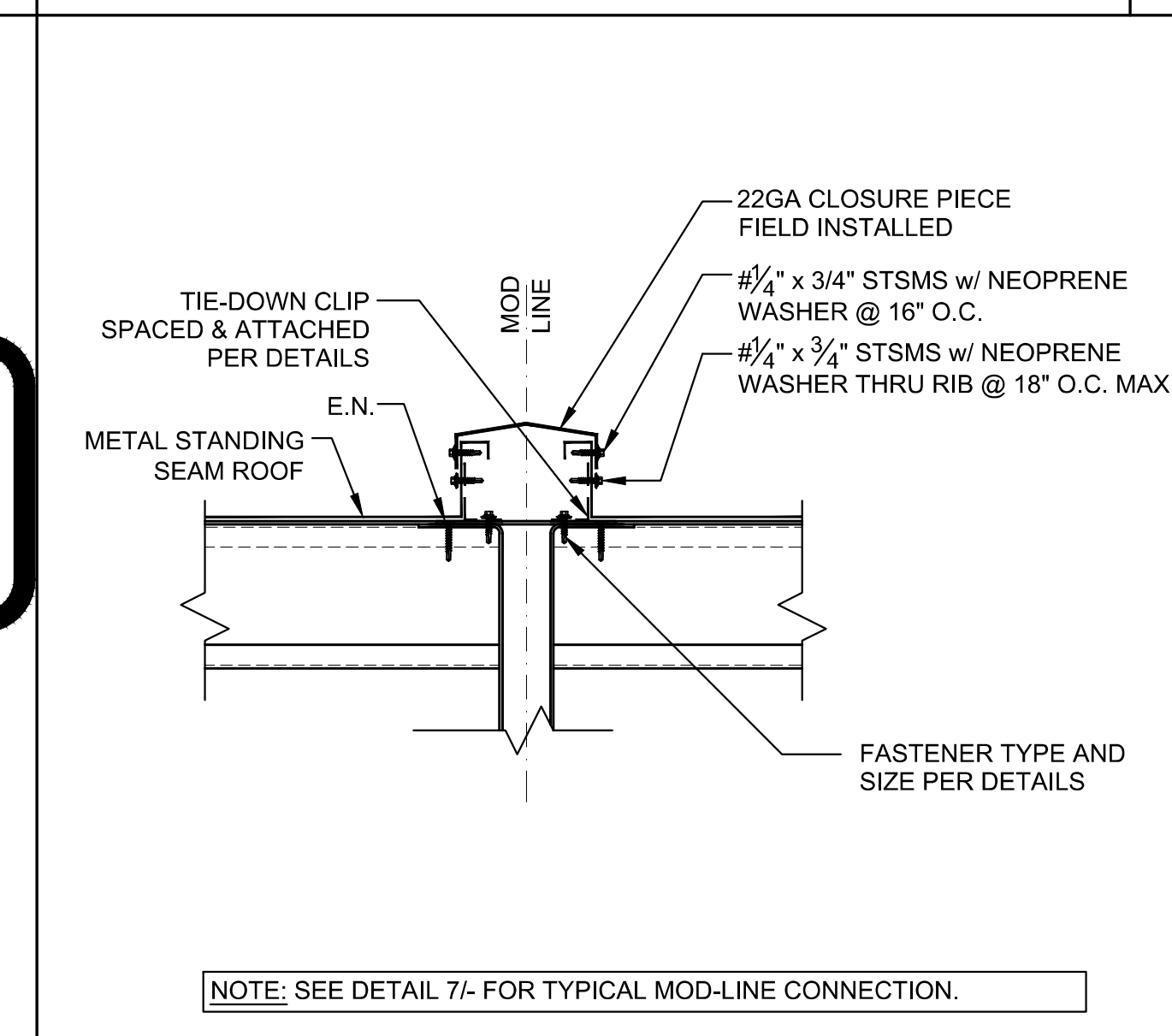
5



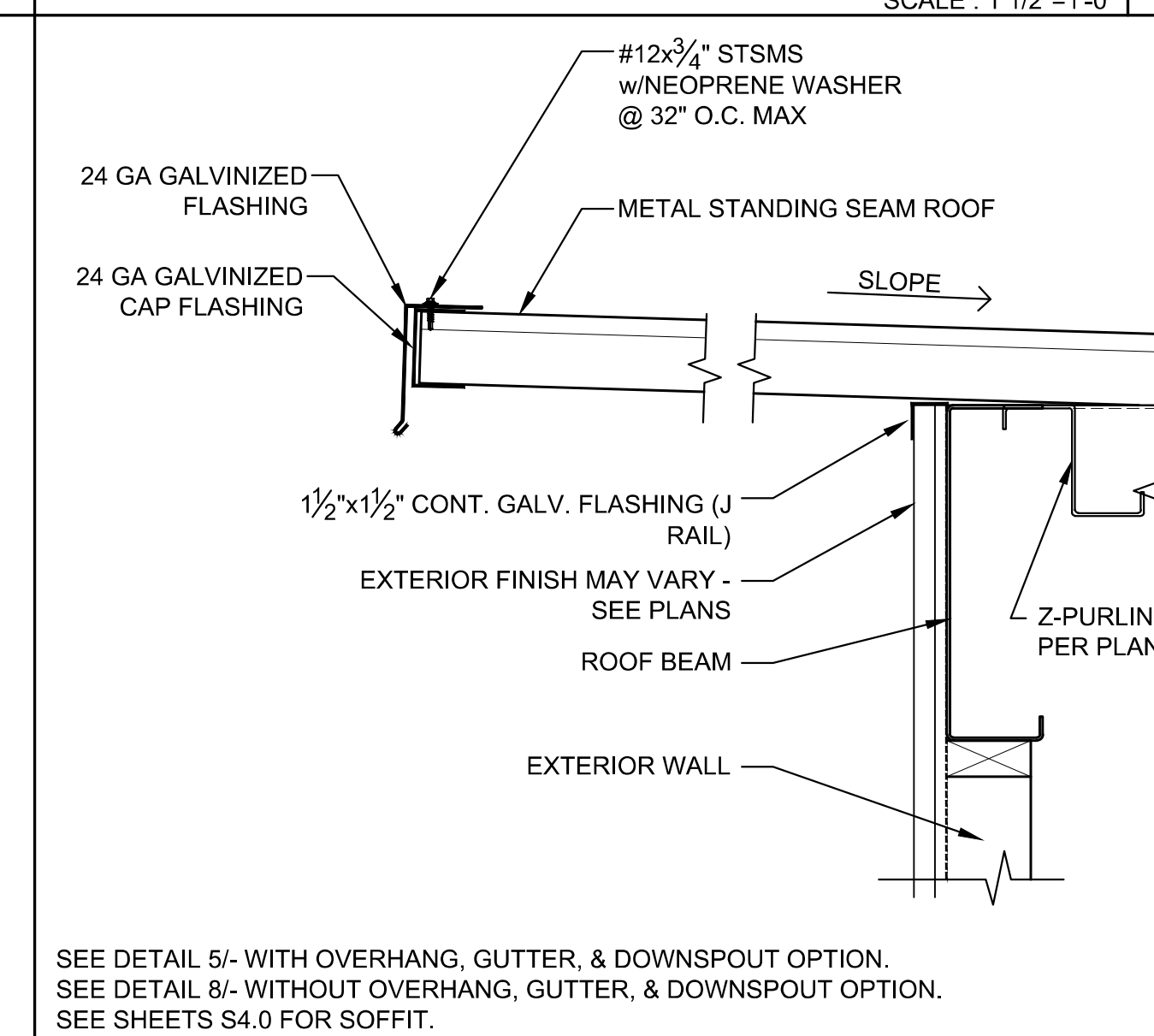
NOTE: SEE DETAIL 9/- FOR OPTIONAL MOD-LINE CONNECTION AT SEISMIC JOINT.
TYP. ROOF BEAM CONN. @ MODLINE
 SCALE: 1 1/2"=1'-0"



SEE DETAIL 5/- WITH OVERHANG, GUTTER, & DOWNSPOUT OPTION.
 SEE DETAIL 10/- WITH OVERHANG OPTION ONLY.
 SEE SHEETS S4.0 OR S4.1 FOR SOFFIT OPTIONS.
METAL ROOF @ END WALLS (w/o OVERHANGS)
 SCALE: 1 1/2"=1'-0"



NOTE: SEE DETAIL 7/- FOR TYPICAL MOD-LINE CONNECTION.
METAL ROOF @ MODLINE OPTION
 SCALE: 1 1/2"=1'-0"



SEE DETAIL 5/- WITH OVERHANG, GUTTER, & DOWNSPOUT OPTION.
 SEE DETAIL 8/- WITHOUT OVERHANG, GUTTER, & DOWNSPOUT OPTION.
 SEE SHEETS S4.0 FOR SOFFIT.
METAL ROOF EDGE @ OVERHANG
 SCALE: 1 1/2"=1'-0"

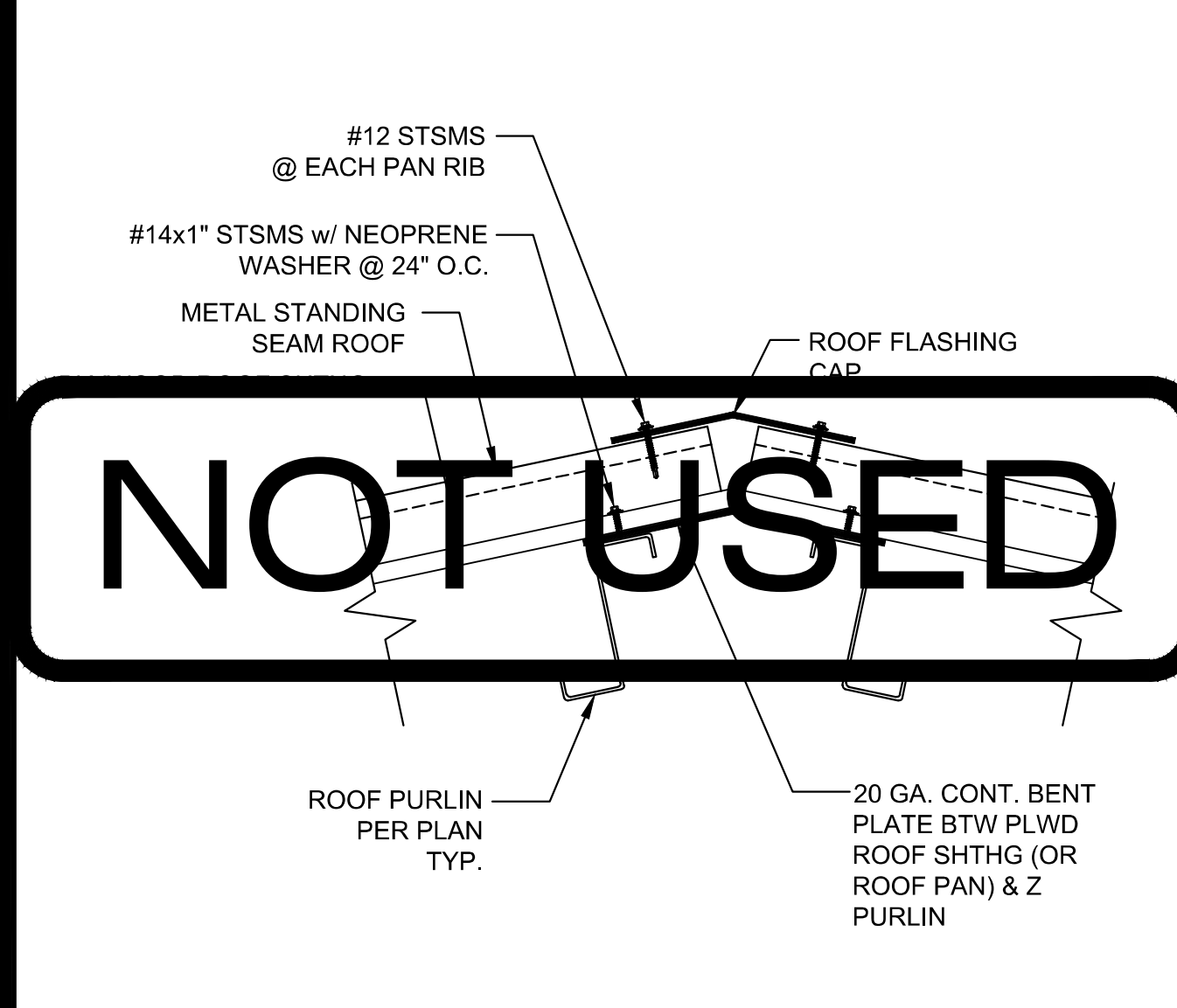
6 NOT USED

7

8

9

10



OPTIONAL METAL DUAL SLOPED
 SCALE: 1-1/2"=1'-0"

11 NOT USED

12 NOT USED

13 NOT USED

14 NOT USED

15



16 NOT USED

17 NOT USED

18 NOT USED

19 NOT USED

20

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

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 DRAWINGS, SPECIFICATIONS, 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 MARKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF ANY BUILDINGS, MODULAR OR OTHER STRUCTURES, 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
24' x 40' THRU 48' x 40' (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 .
 .
 .

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119283 INC.
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
 MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENCED ARCHITECT
 PATRICK C. HONG
 No. C12631
 Ren. 3-31-23
 STATE OF CALIFORNIA

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

REVISIONS

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21
 SHEET TITLE:

TYPICAL ROOF DETAILS
 METAL STANDING SEAM

SHEET NUMBER:
A2.2
 N

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 MARKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF ANY BUILDING, 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
 24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 STOCKPILE
 (1) 48'x40' BUILDING

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
 MANUFACTURER PROFESSIONAL OF RECORD ON PC

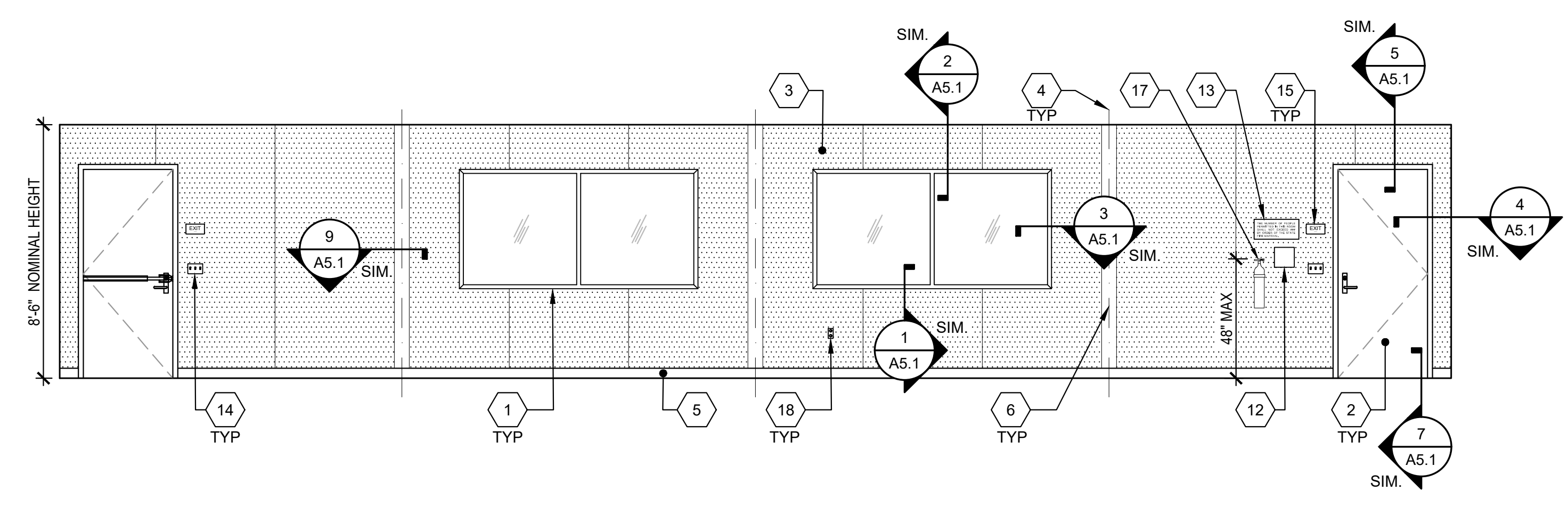

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD

REVISIONS

DRAWN BY: AB
 SCALE: AS NOTED
 DATE: 10/26/22
 PROJECT NO: 1730-22
 SHEET TITLE:
**INTERIOR ELEVATIONS
 TYPICAL CLASSROOM**

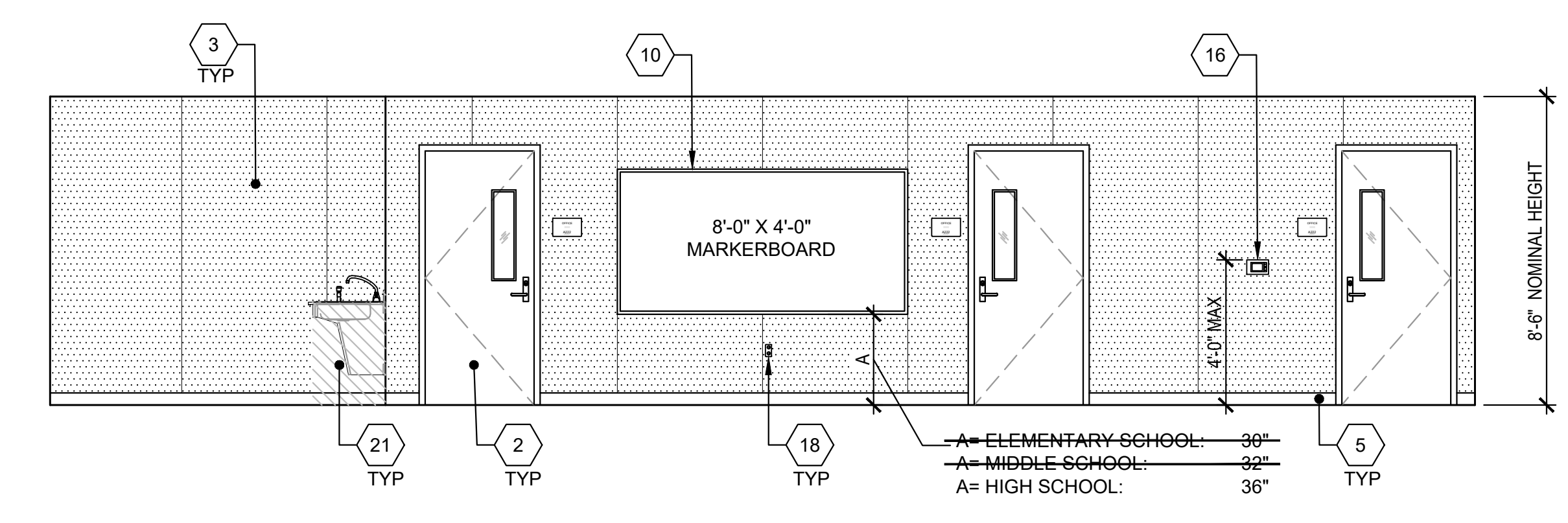
SHEET NUMBER:

A4.0 N



TYPICAL CLASSROOM FRONT END WALL ELEVATION

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

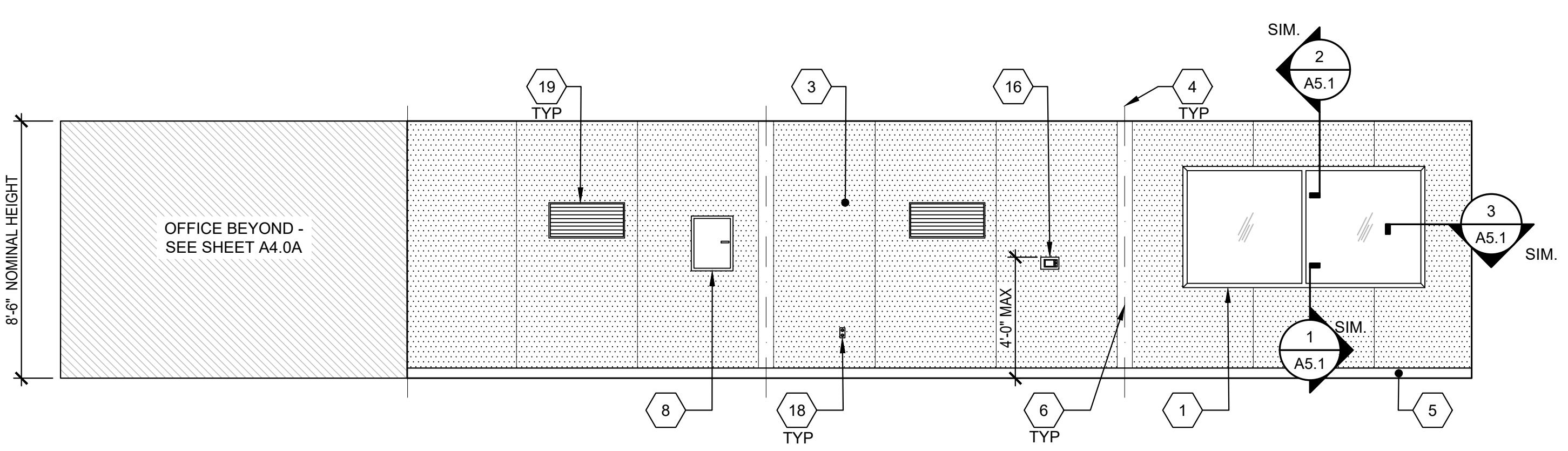


TYPICAL CLASSROOM SIDEWALL ELEVATION

SCALE: 1/4"=1'-0" 2

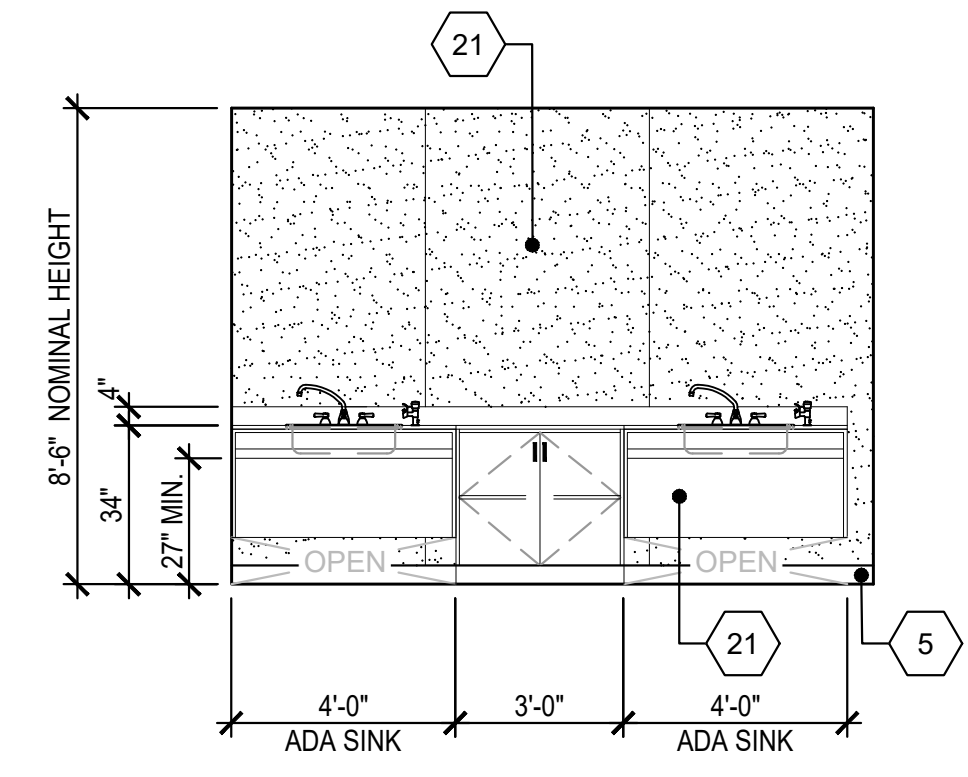
KEY NOTES

- 1 WINDOW, SEE SPEC'S
- 2 TYP EXTERIOR DOOR
- 3 TACKBOARD - (FLAME RESISTANT INDUSTRIAL TACKABLE BOARD) - SHALL BE CLASS A RATED (ASTM E-84) NOMINAL PANEL THICKNESS SHALL BE ± 0.5" AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES.
- 4 TYP MOD LINE
- 5 TOP SET BASE
- 6 BATTEN CLOSE-UP AT MOD-LINES, TYP
- 7 NOT USED
- 8 ELECTRICAL PANEL - SEE ELECTRICAL SHEETS
- 9 NOT USED
- 10 8'x4' MARKER BOARDS - SEE DETAIL 5/-
- 11 NOT USED
- 12 ASSISTIVE LISTENING SIGH, BY OTHERS, INSTALLED PER DETAIL 17/N4.0 SIGN SHALL BE A MAXIMUM OF 70" A.F.F. TO BASELINE OF HIGHEST TEXT.
- 13 OCCUPANT LOAD SIGN PER DETAIL 11/N4.0 (BY OTHERS)
- 14 LIGHT SWITCH - SEE ELECTRICAL SHEETS
- 15 EXIT TACTILE SIGN PER DETAIL 10/N4.0 (NIC)
- 16 THERMOSTAT, TOP @ 48" A.F.F. - SEE MECHANICAL SHEETS
- 17 FIRE EXTINGUISHER TOP OF HANDLE @ +48" MAX. A.F.F. PROTRUSION MAX 4" FROM WALL IF BOTTOM OF FIRE EXTINGUISHER MORE THAN +27" A.F.F.
- 18 TYP DUPLEX OUTLET - SEE ELECTRICAL SHEETS
- 19 HVAC GRILL
- 20 F.R.P. (FIBER REINFORCED PLASTIC) SHALL BE CLASS C RATED (ASTM E-84) EMBOSSED & SMOOTH INTERIOR WALL PANELS, NOMINAL PANELS. NOMINAL PANEL THICKNESS SHALL BE ± 0.900 - PANEL SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES.
- 21 CASEWORK - SEE DETAILS 17/A1.0, 8/A7.1 & 12/P2.0



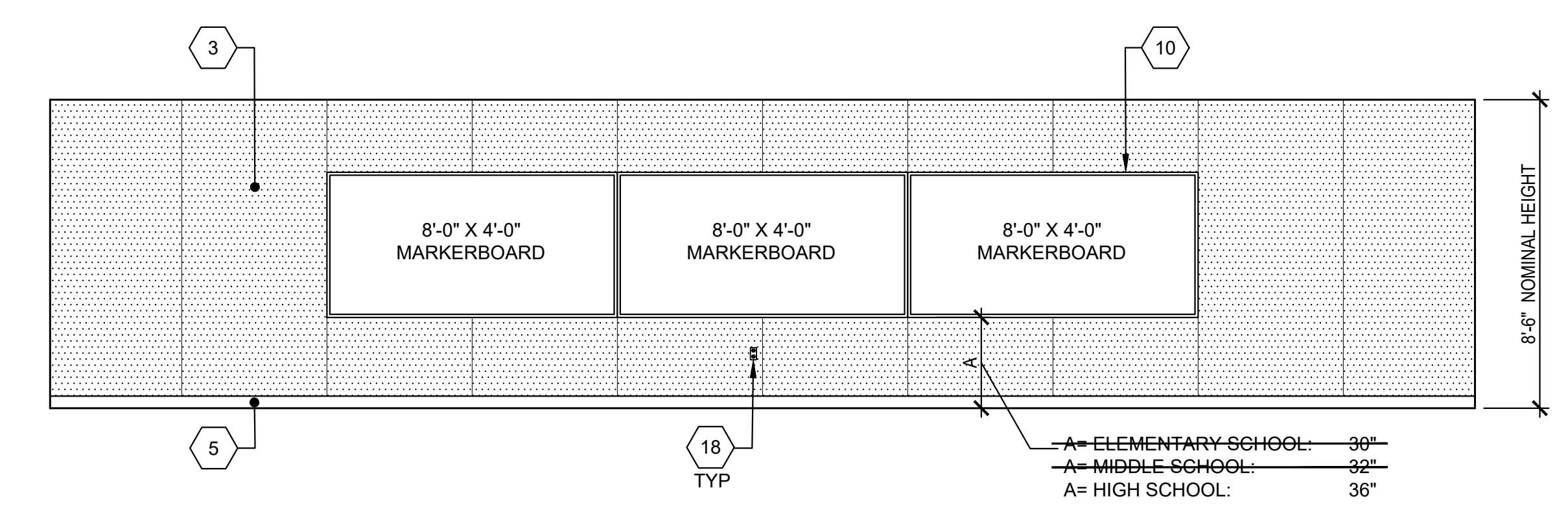
TYPICAL CLASSROOM REAR END WALL ELEVATION

SCALE: 1/4"=1'-0" 3



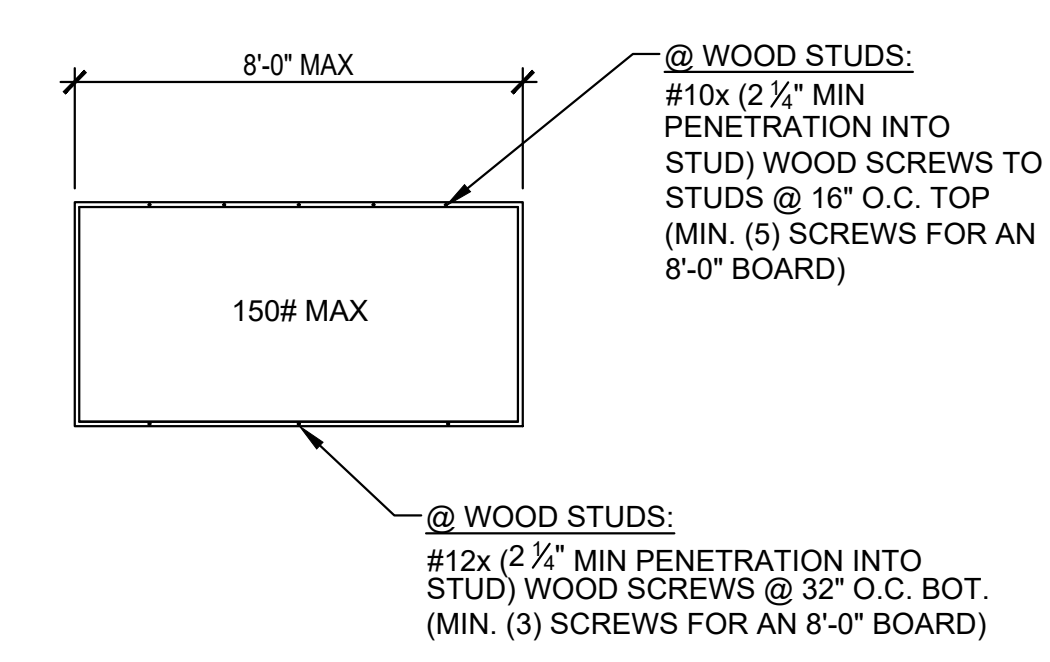
CLASSROOM SINK ELEVATION

SCALE: 1/4"=1'-0" 3A



TYPICAL CLASSROOM SIDEWALL ELEVATION

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



- NOTE:
1. ATTACHMENT IS FOR EACH MARKERBOARD.
 2. EACH WHITEBOARD SHALL PROTRUDE 4" MAX HORIZONTALLY INTO THE CIRCULATION PATH, PER CBC SECTION 11B-307.2.
 3. EACH WHITEBOARD SHALL HAVE FASTENERS PROVIDED BY MANUFACTURER AS NOTED ABOVE.

MARKERBOARD ATT. DETAIL

SCALE: 1/4"=1'-0" 5

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

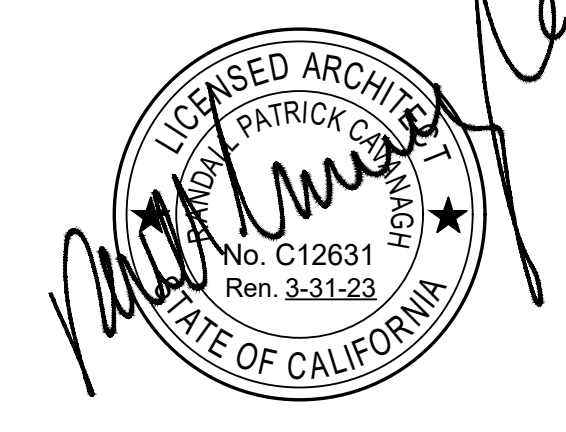


INTELLECTUAL PROPERTY & PROPRIETARY RIGHTS STATEMENT
 COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
 AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWINGS, SPECIFICATIONS 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 MARKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF ANY BUILDING (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
 24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 STOCKPILE
 (1) 48'x40' BUILDING

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
 MANUFACTURER PROFESSIONAL OF RECORD ON PC



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

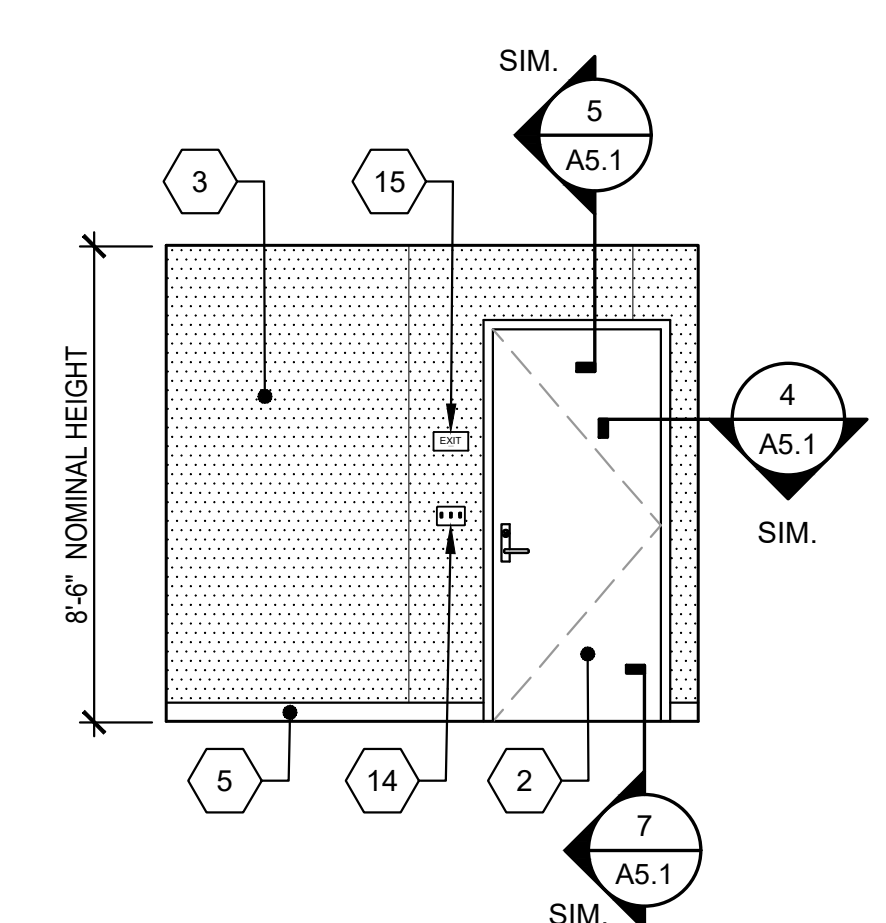
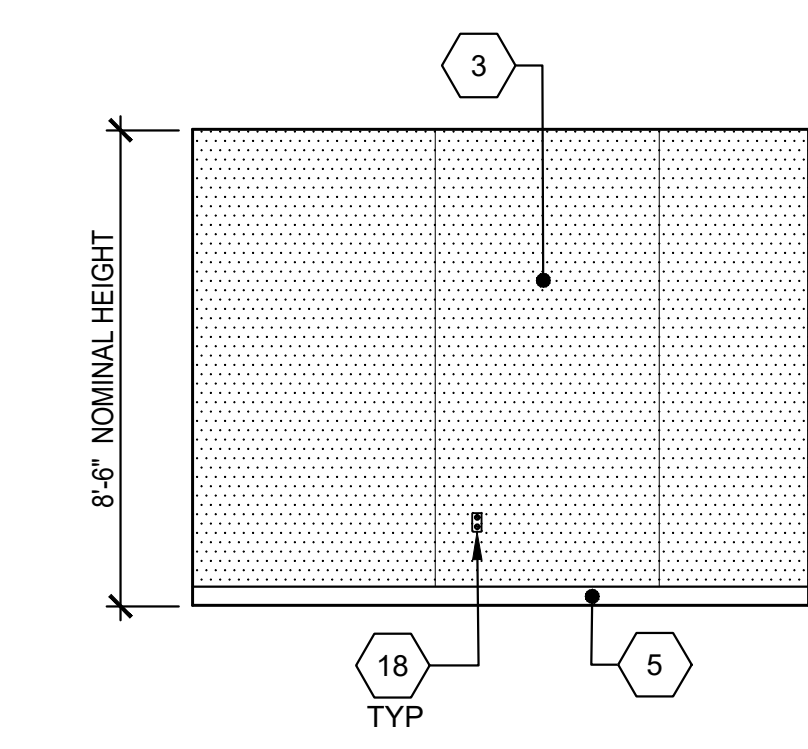
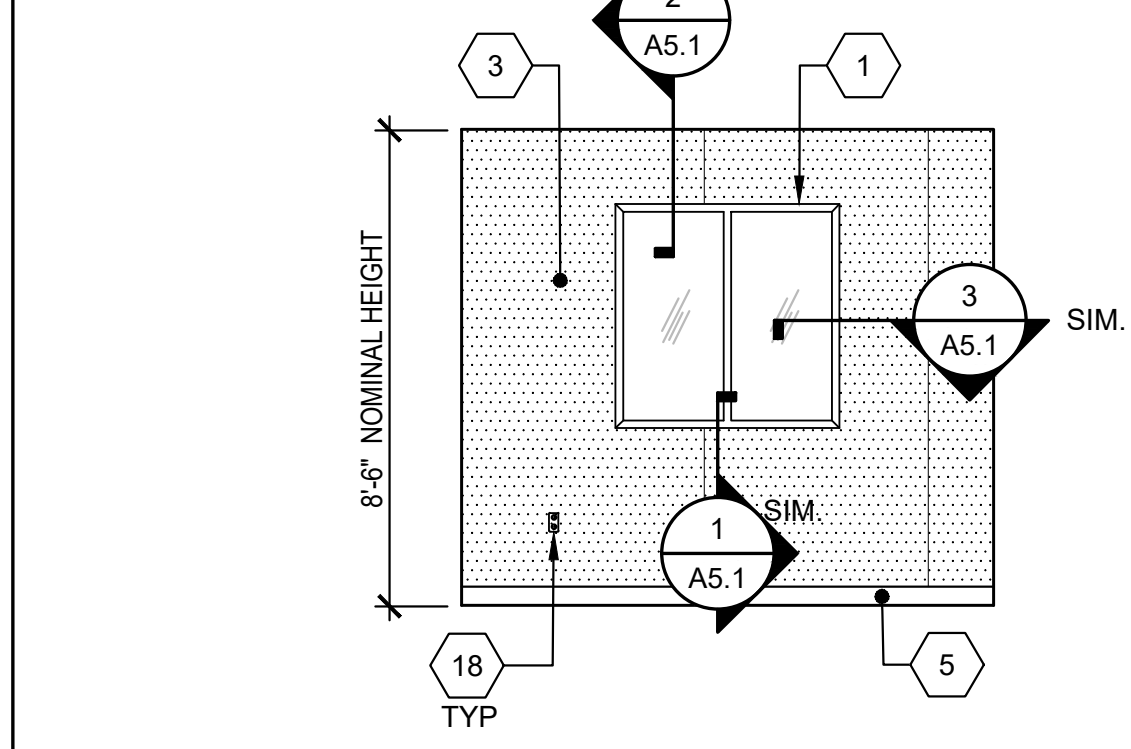
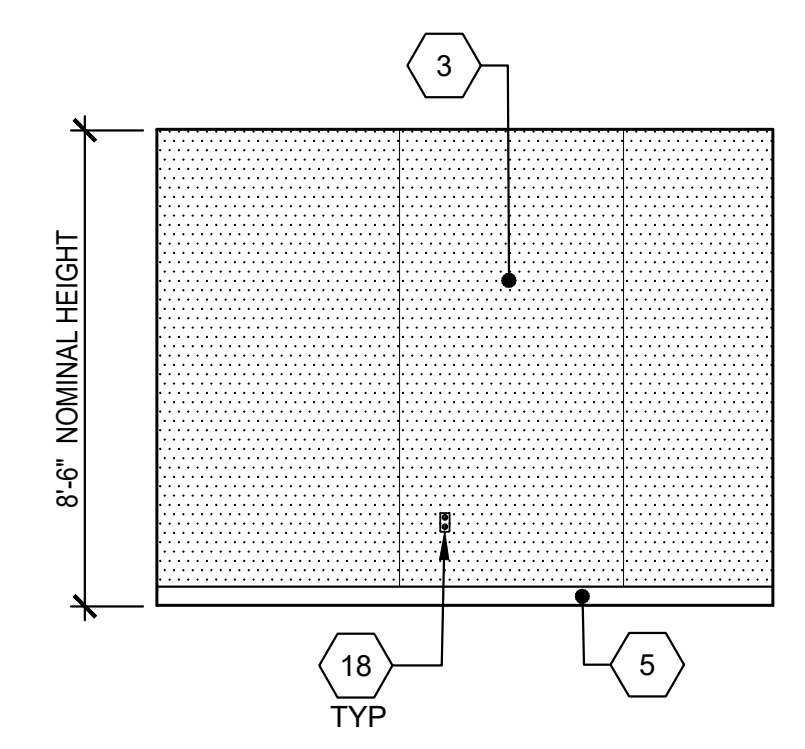
REVISIONS

DRAWN BY: AB
 SCALE: AS NOTED
 DATE: 10/26/22
 PROJECT NO: 1730-22

SHEET TITLE:
 INTERIOR ELEVATIONS
 TYPICAL OFFICE

SHEET NUMBER:
A4.0A_N

- 1 WINDOW, SEE SPEC'S
- 2 TYP EXTERIOR DOOR
- 3 TACKBOARD - (FLAME RESISTANT INDUSTRIAL TACKABLE BOARD) - SHALL BE CLASS A RATED (ASTM E-84). NOMINAL PANEL THICKNESS SHALL BE ±0.5" AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES.
- 4 NOT USED
- 5 TOP SET BASE
- 6 NOT USED
- 7 NOT USED
- 8 NOT USED
- 9 NOT USED
- 10 NOT USED
- 11 NOT USED
- 12 NOT USED
- 13 NOT USED
- 14 LIGHT SWITCH - SEE ELECTRICAL SHEETS
- 15 EXIT TACTILE SIGN PER DETAIL 10/N4.0 (NIC)
- 16 NOT USED
- 17 NOT USED
- 18 TYP DUPLEX OUTLET - SEE ELECTRICAL SHEETS
- 19 NOT USED



TYPICAL OFFICE FRONT END WALL ELEV. SCALE: 1/4"=1'-0"	TYPICAL OFFICE SIDE WALL ELEV. SCALE: 1/4"=1'-0"	TYPICAL OFFICE REAR END WALL ELEV. SCALE: 1/4"=1'-0"	TYPICAL OFFICE SIDE WALL ELEV. SCALE: 1/4"=1'-0"
NOT USED	NOT USED	NOT USED	NOT USED
NOT USED	NOT USED	NOT USED	NOT USED
NOT USED	NOT USED	NOT USED	NOT USED
NOT USED	NOT USED	NOT USED	NOT USED
NOT USED	NOT USED	NOT USED	NOT USED

KEY NOTES

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 ANY BUILDING OR OTHER STRUCTURE. ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF ANY BUILDING OR OTHER STRUCTURE, INCLUDING 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
 24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 STOCKPILE
 (1) 48'x40' BUILDING

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

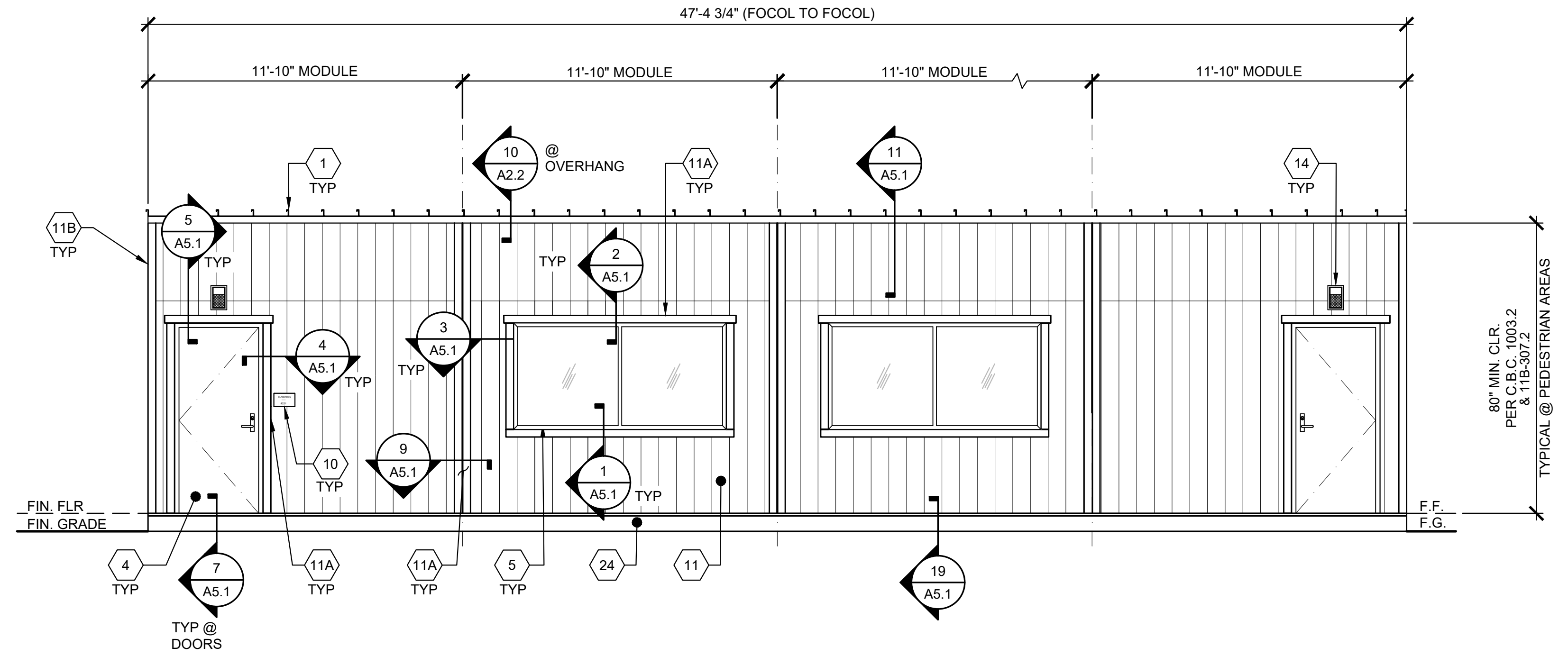
Patrick C. [Signature]
 LICENSED ARCHITECT
 No. C12631
 Ren. 3-31-23
 STATE OF CALIFORNIA

- 1 STANDING SEAM METAL ROOFING
- 2 NOT USED
- 3 OVERHANG - SEE STRUCTURAL
- 4 TYP EXTERIOR DOOR - SEE SCHEDULE SHEET N3.0
- 5 WINDOW - SEE SCHEDULE SHEET N3.0
- 6 NOT USED
- 7 NOT USED
- 8 NOT USED
- 9 DOWNSPOUT SEE DETAIL 8/A5.1 FOR ATTACHMENT
- 10 ROOM ID AND ISA SIGNAGE (BY OTHER) SEE DETAILS 5 & 9/N4.0 - TYP
- 11 5/8" PLYWOOD SHEATHING 303 FINISH
- 11A 1x4 TRIM
- 11B 22 GA. CORNER FLASHING
- 12 NOT USED
- 13 NOT USED
- 14 EXTERIOR LIGHT - SEE ELECTRICAL
- 15 NOT USED
- 16 NOT USED
- 17 NOT USED
- 18 GUTTER - SEE ATTACHMENT DETAIL 5/A2.2 AT STANDING SEAM ROOFING, OR 5/A2.5 AT SINGLE-PLY / BUILT-UP ROOFING
- 19 MODULAR IDENTIFICATION TAG +90" ABOVE A.F.F.
- 20 NOT USED
- 21 WP/G.F.C.I. @ HVAC UNITS - REFER TO ELECTRICAL PLANS
- 22 NOT USED
- 23 HVAC UNIT
- 24 SHEET METAL FLASHING PAINTED BODY COLOR

KEYNOTES

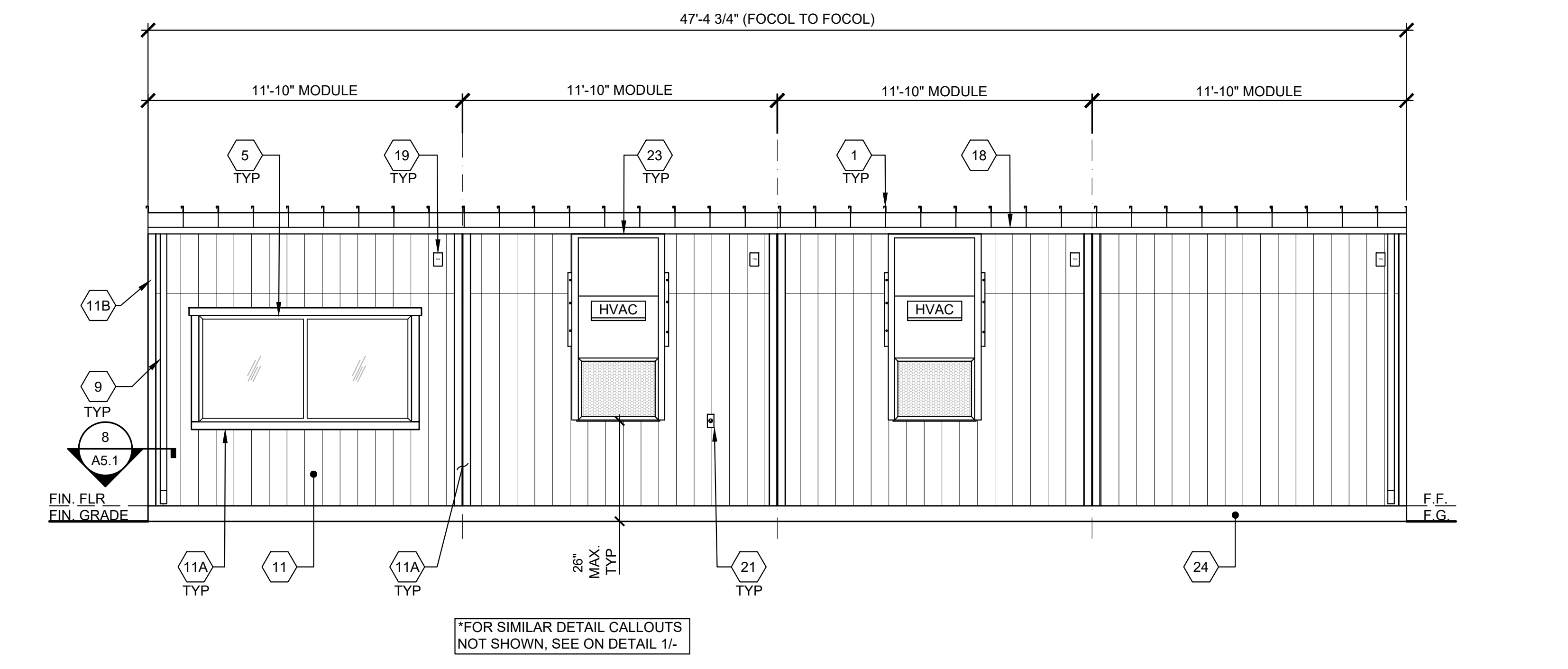
PROJECT SPEC BUILDING SIZE	BUILDING	12'-0" MODULES	OVERALL SIZE
<input type="checkbox"/>	24'x40'	2	23'-8"
<input type="checkbox"/>	36'x40'	3	35'-6"
<input checked="" type="checkbox"/>	48'x40'	4	47'-4"

BUILDING SIZE SCHEDULE



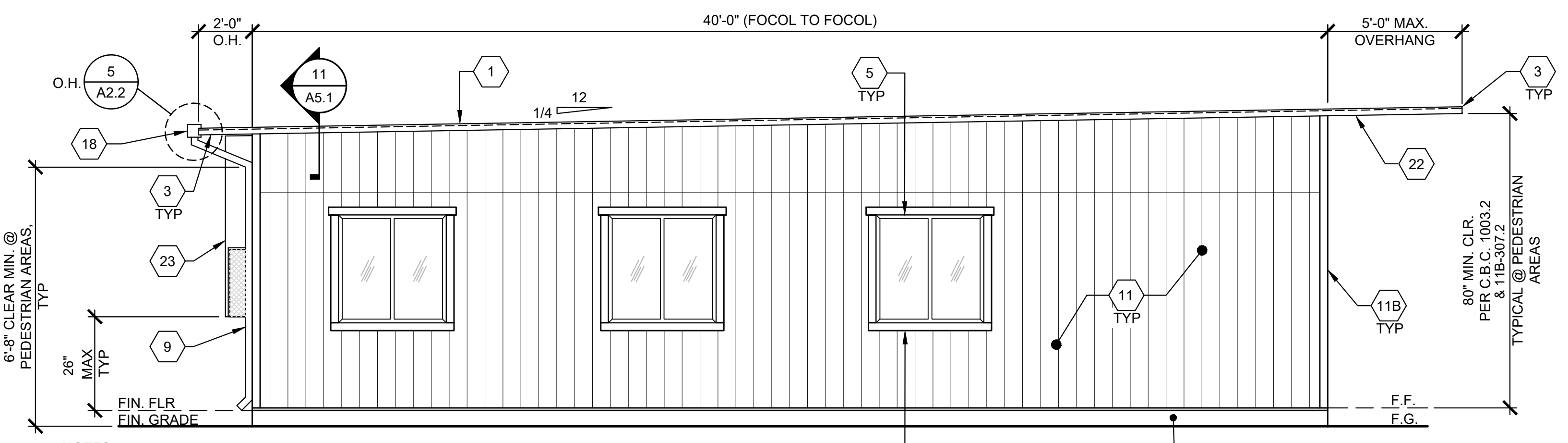
EXTERIOR ELEVATION - FRONT

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



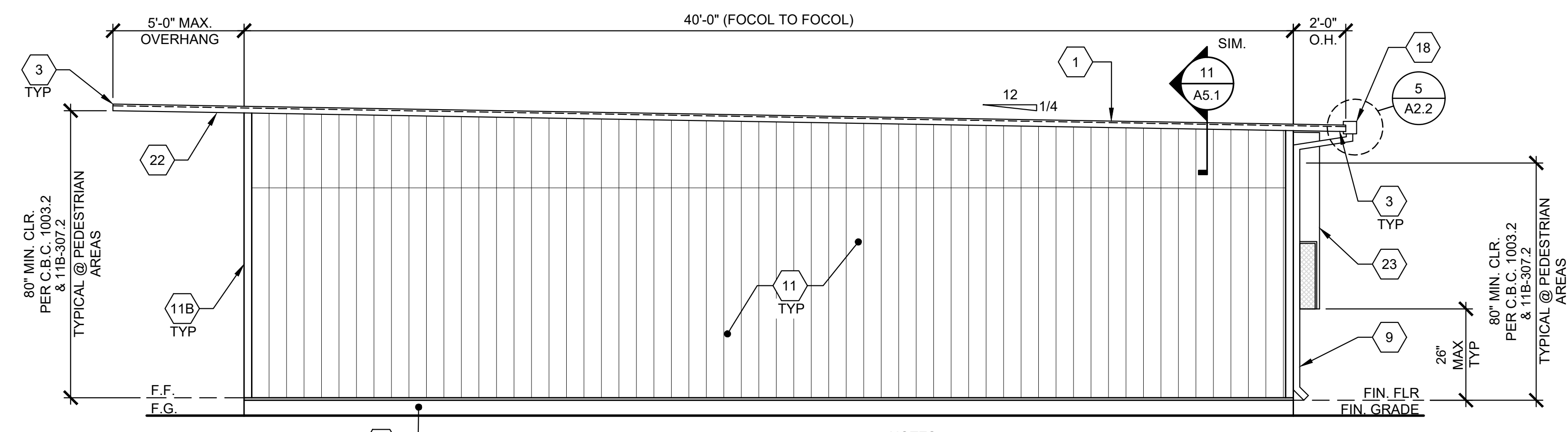
EXTERIOR ELEVATION - REAR

SCALE: 1/4"=1'-0" 2



EXTERIOR ELEVATION - LEFT

SCALE: 1/4"=1'-0" 3



EXTERIOR ELEVATION - RIGHT

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

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

REVISIONS

NO.	DATE	DESCRIPTION

DRAWN BY: AB
 SCALE: AS NOTED
 DATE: 10/26/22
 PROJECT NO: 1730-22
 SHEET TITLE:
 TYPICAL EXTERIOR ELEVATIONS- DURATEMP 303 SIDING OPTION

SHEET NUMBER:
A5.0 Y

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 MARKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF ANY BUILDING, MODULAR OR OTHER STRUCTURE, 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 CONSIDERED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
 24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 .
 .
 .

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-110001 PC
 REVIEWED FOR
 SS FLS ACS CGS
 DATE: 09/20/2021

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

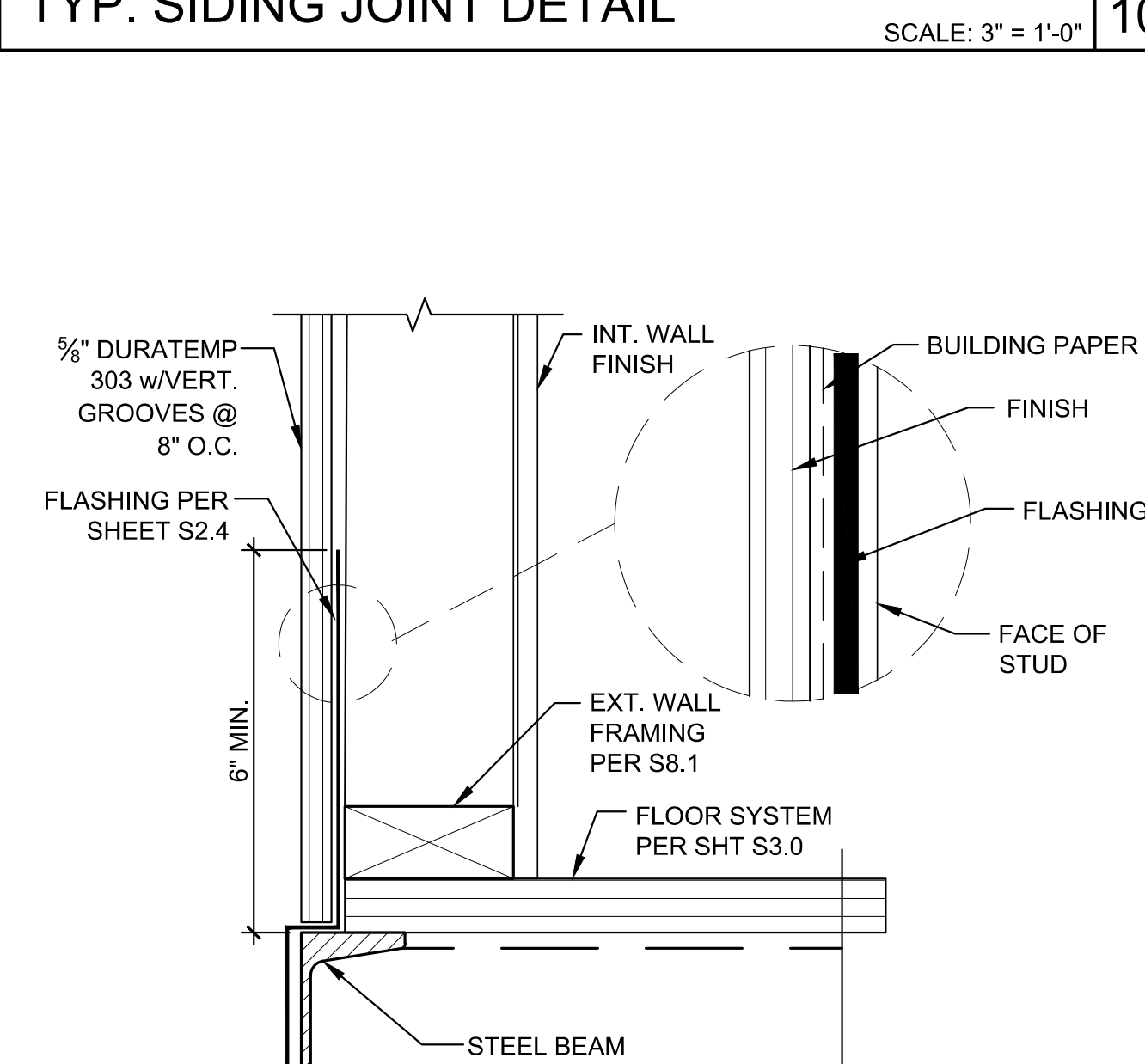
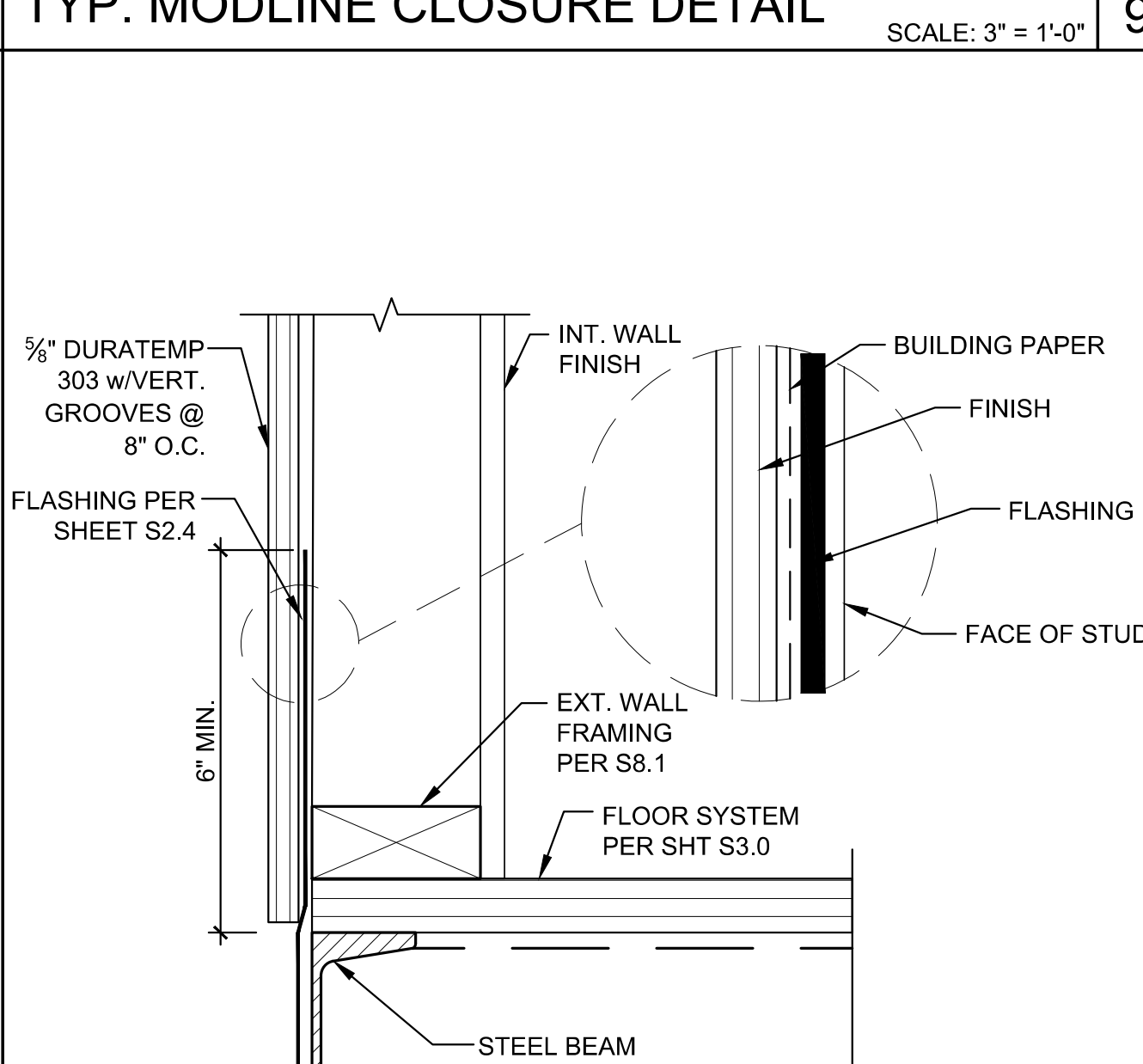
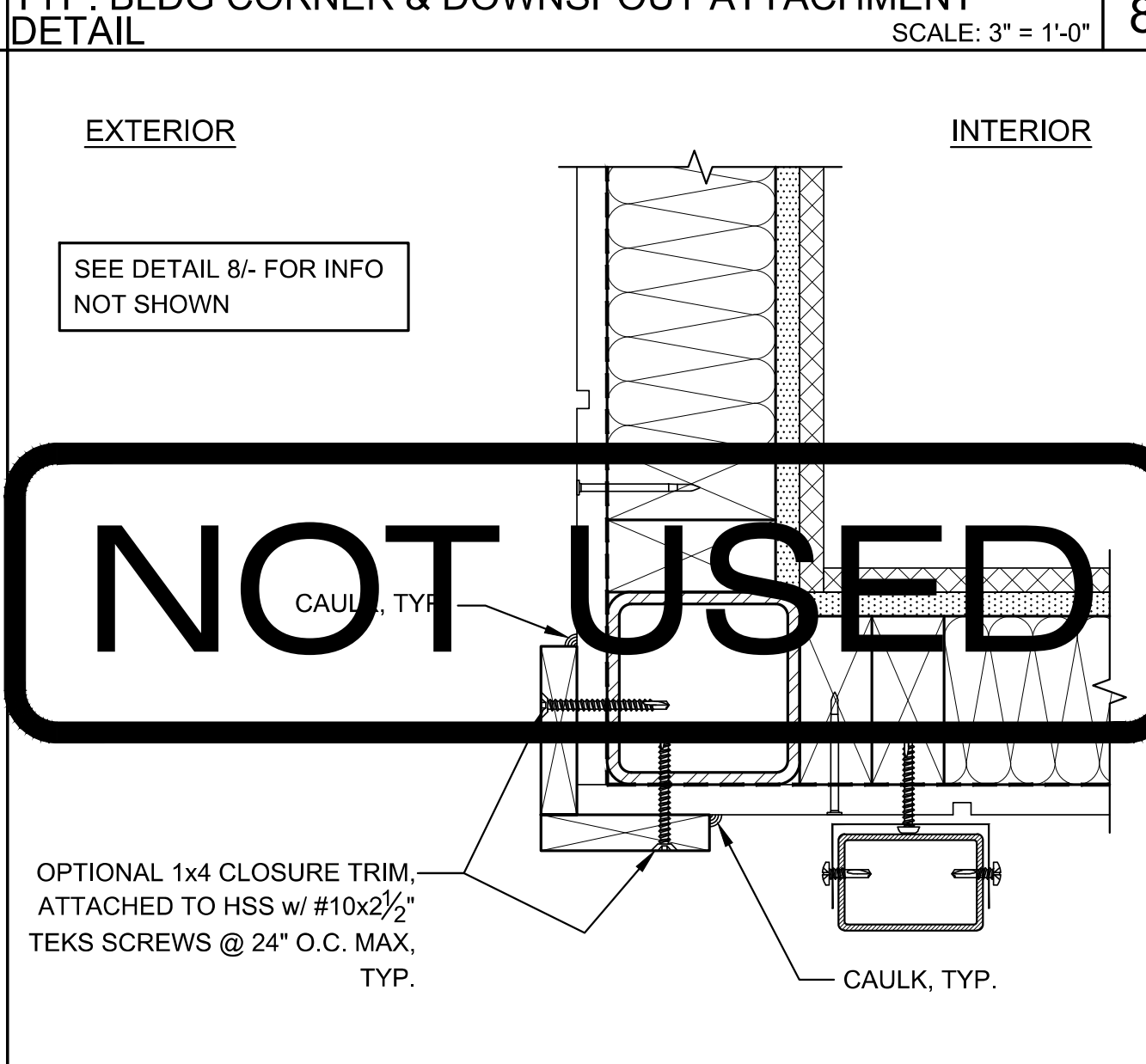
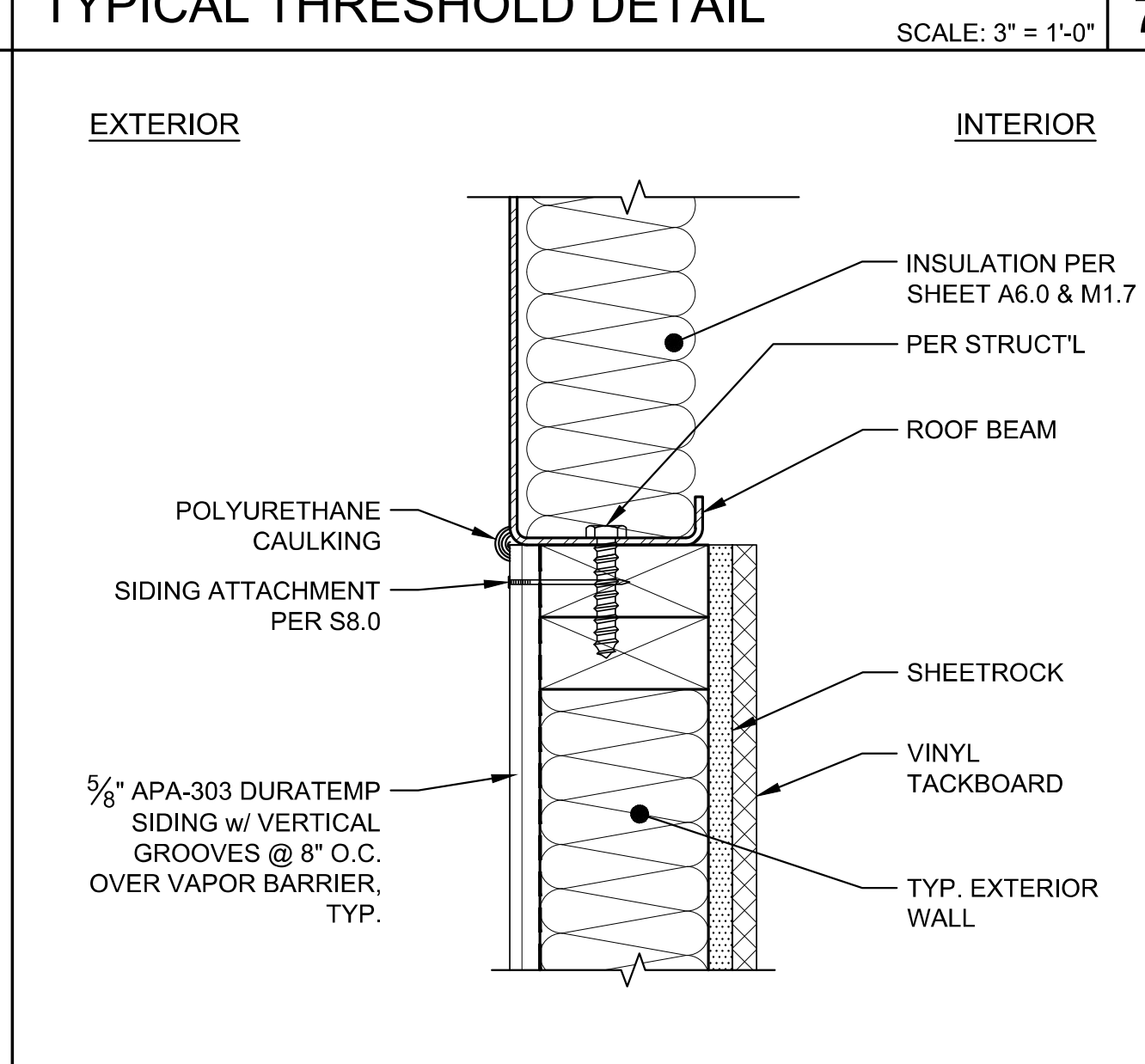
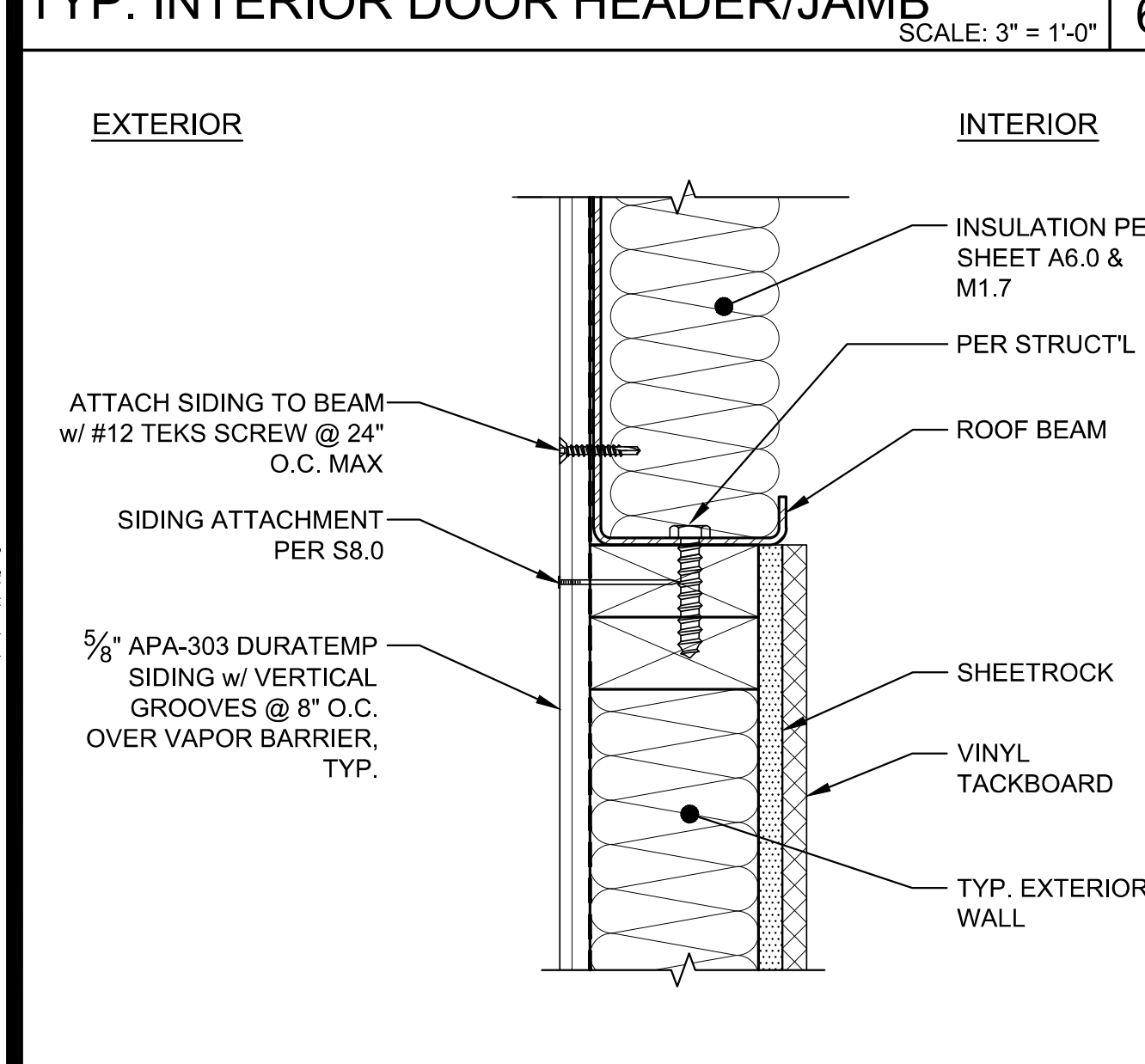
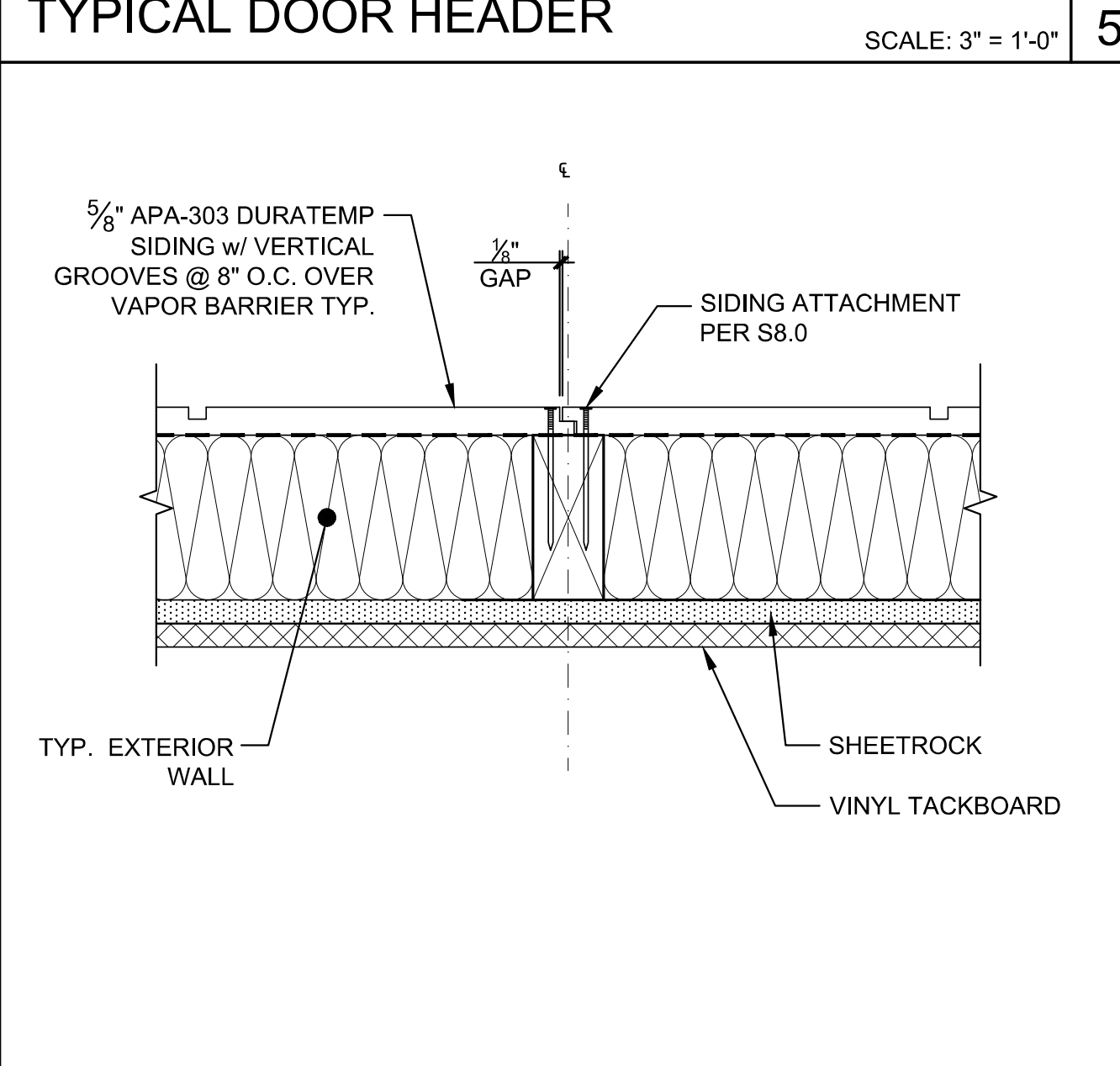
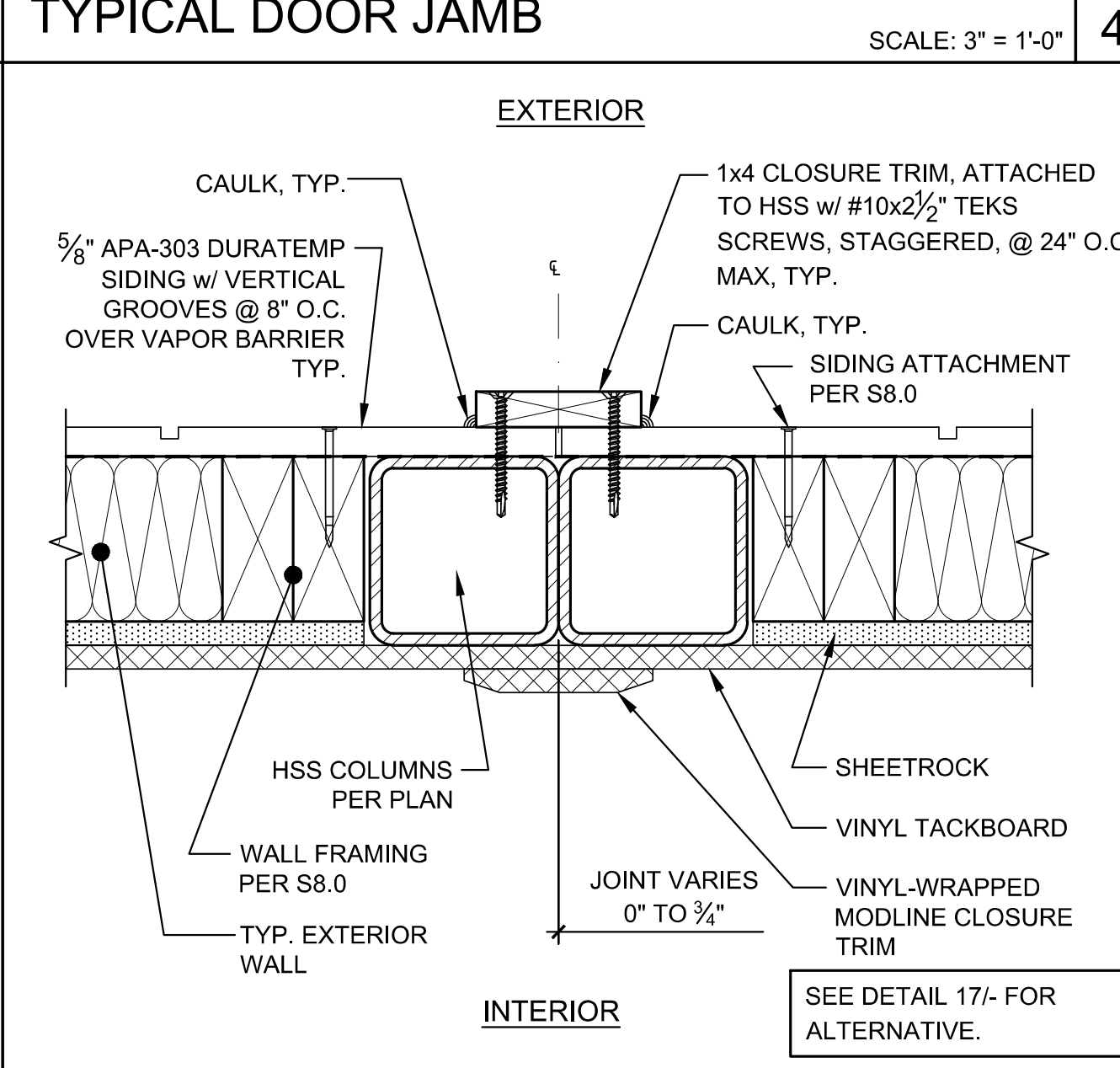
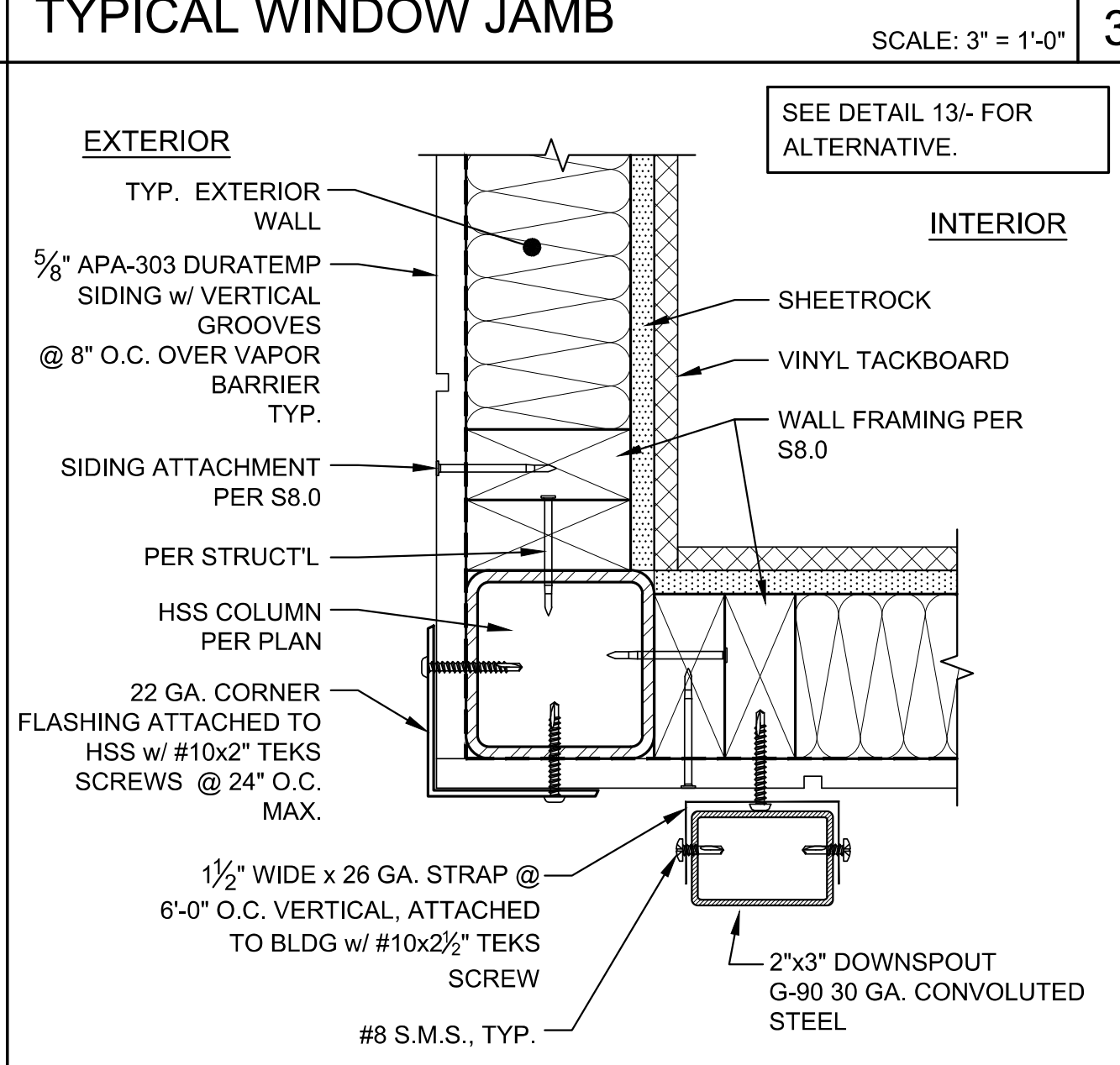
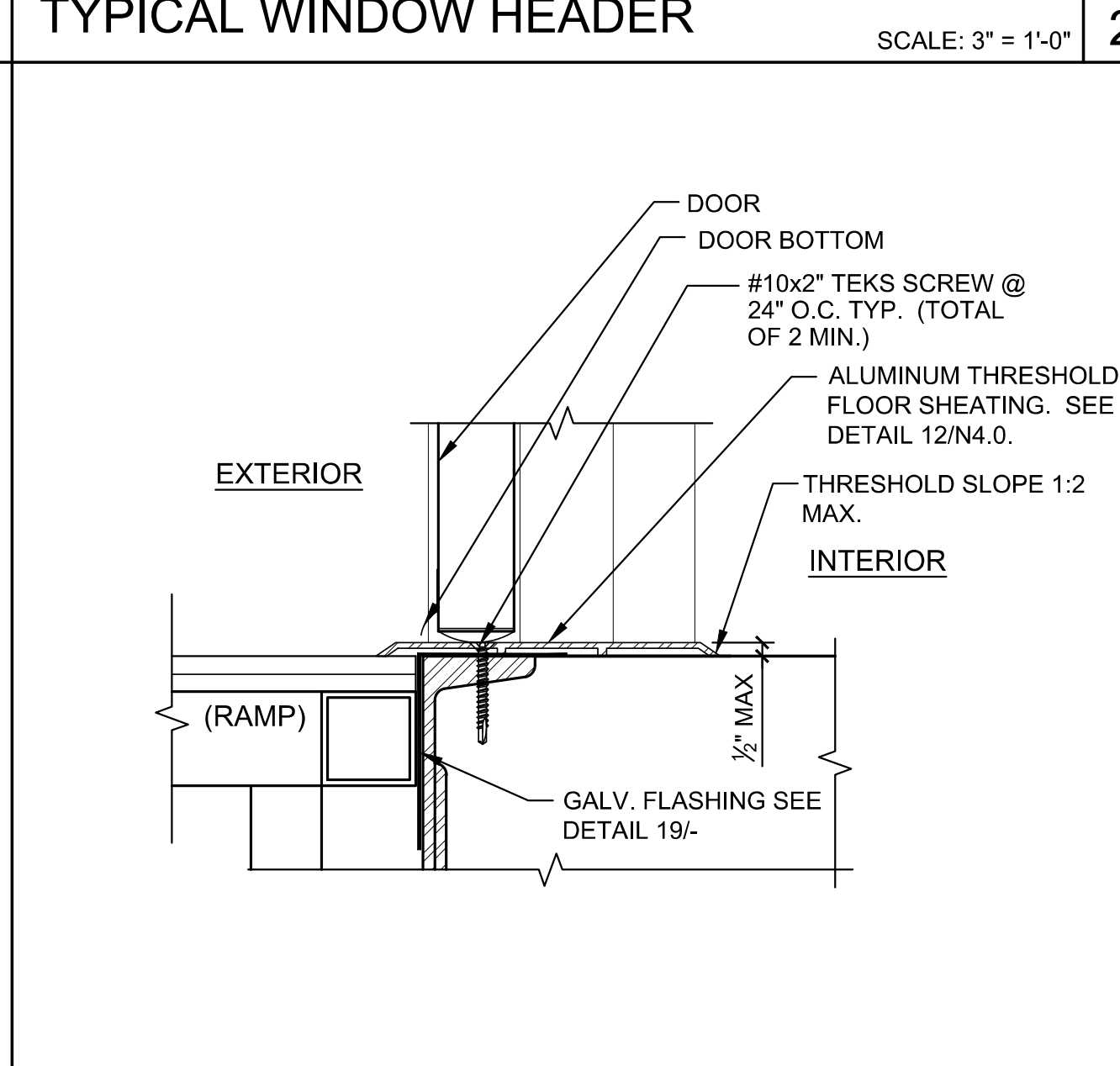
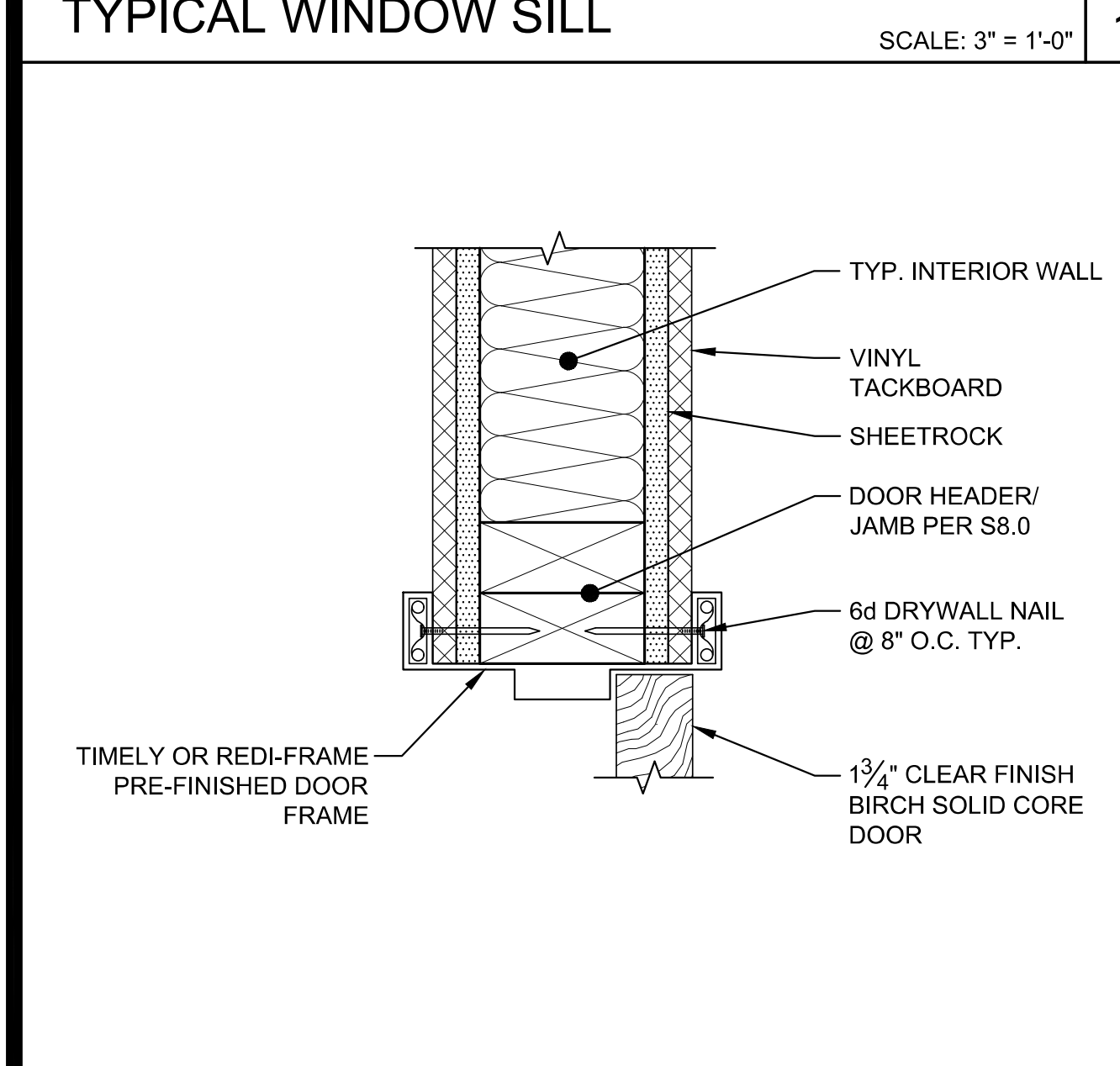
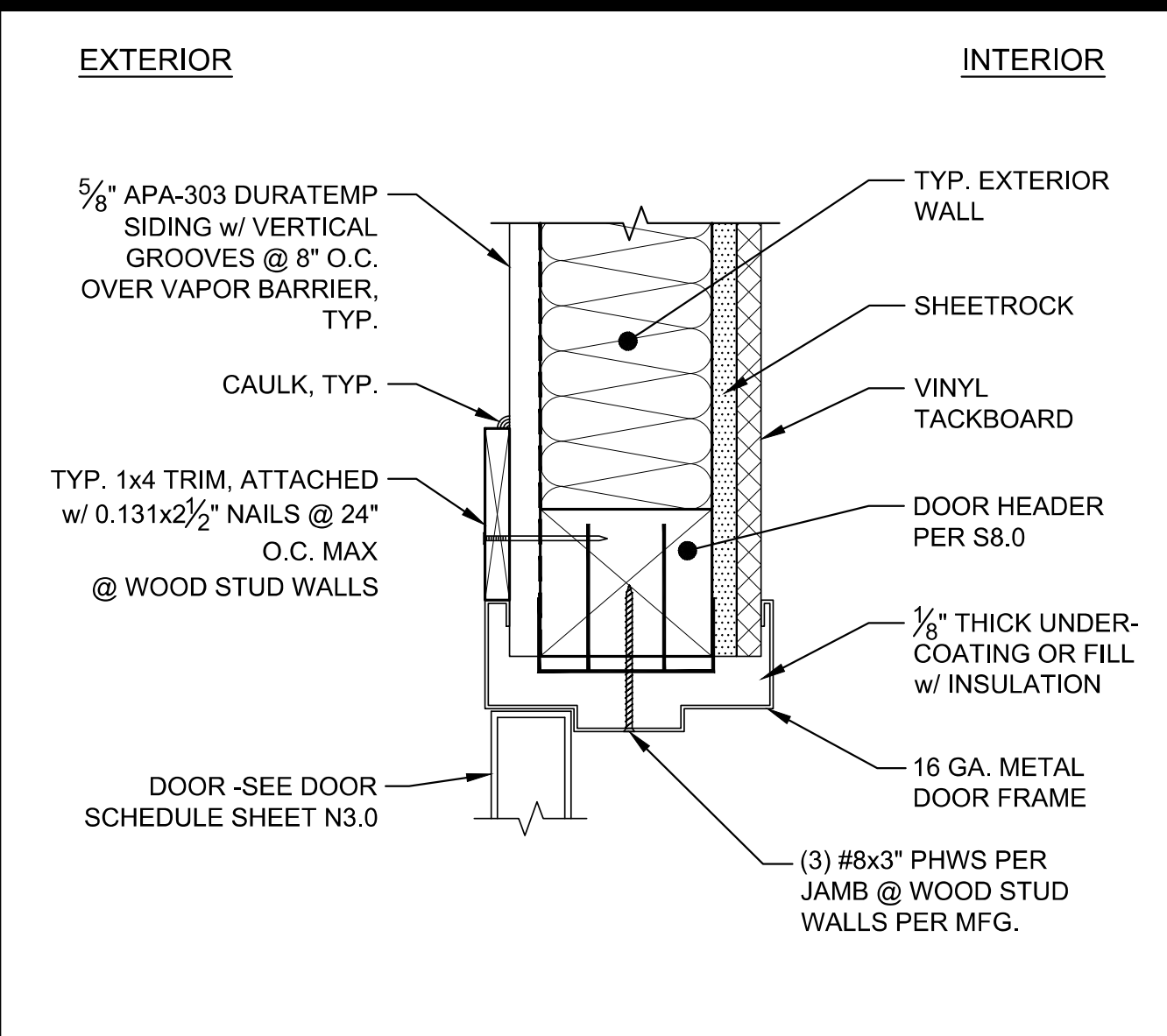
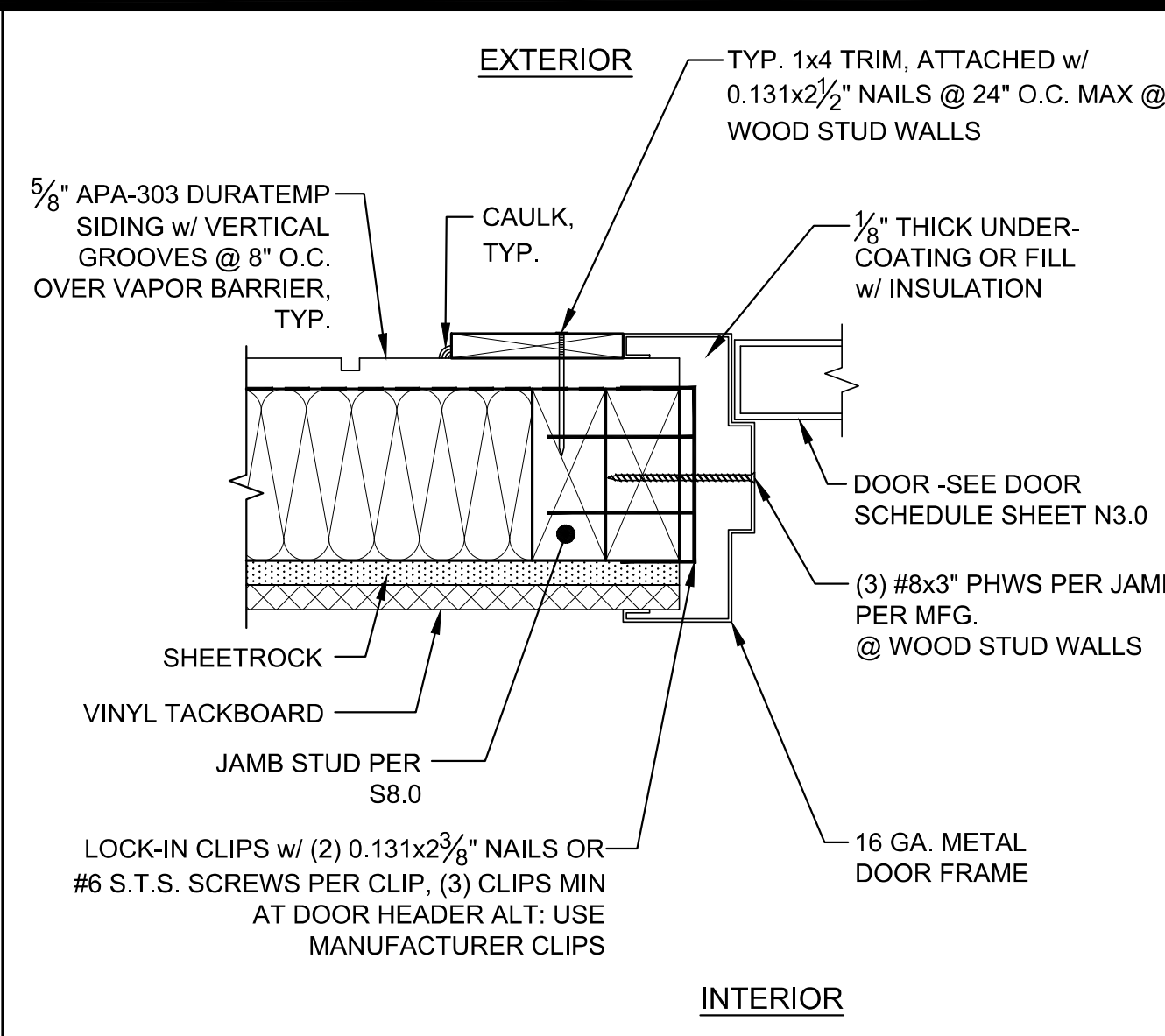
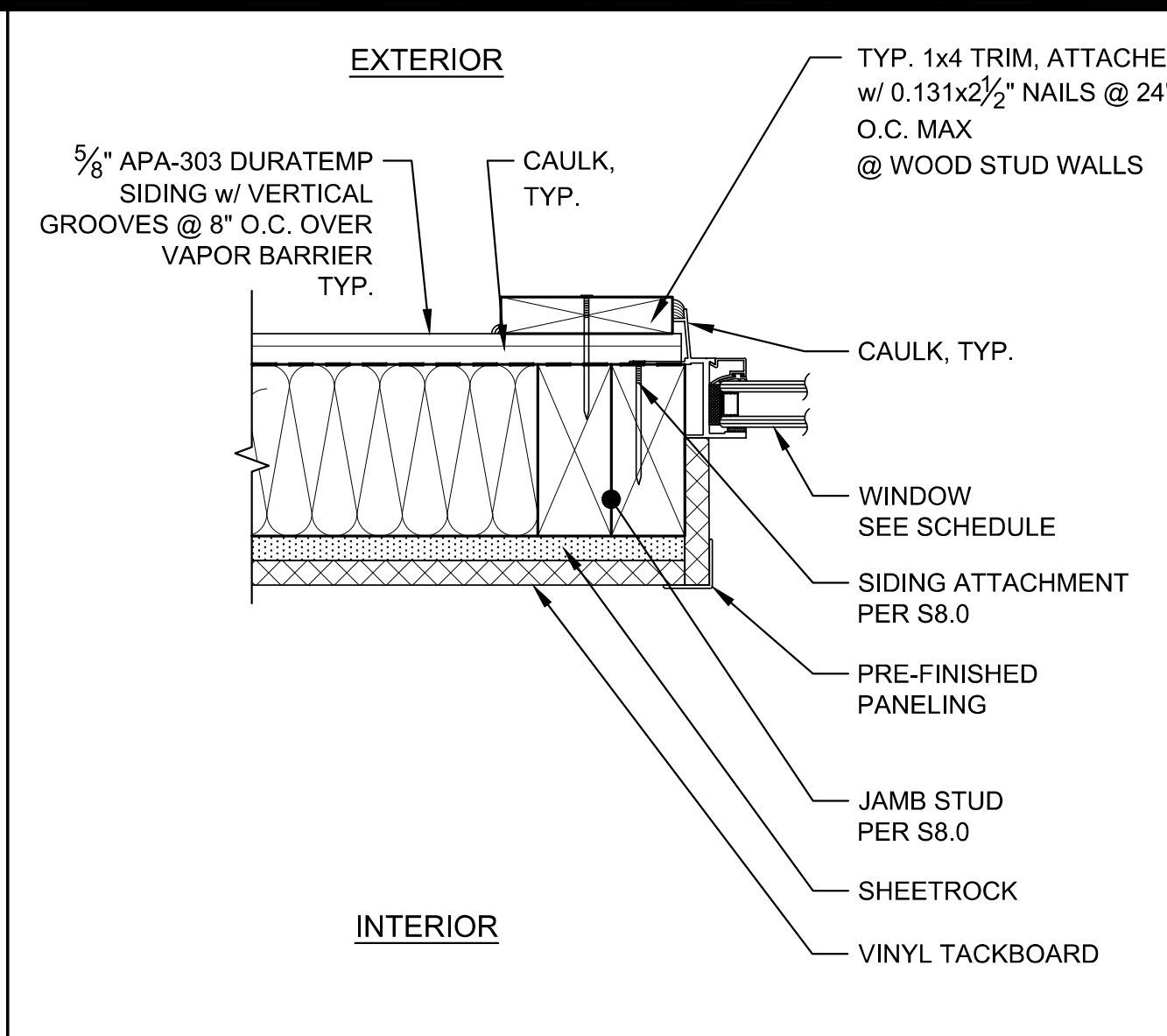
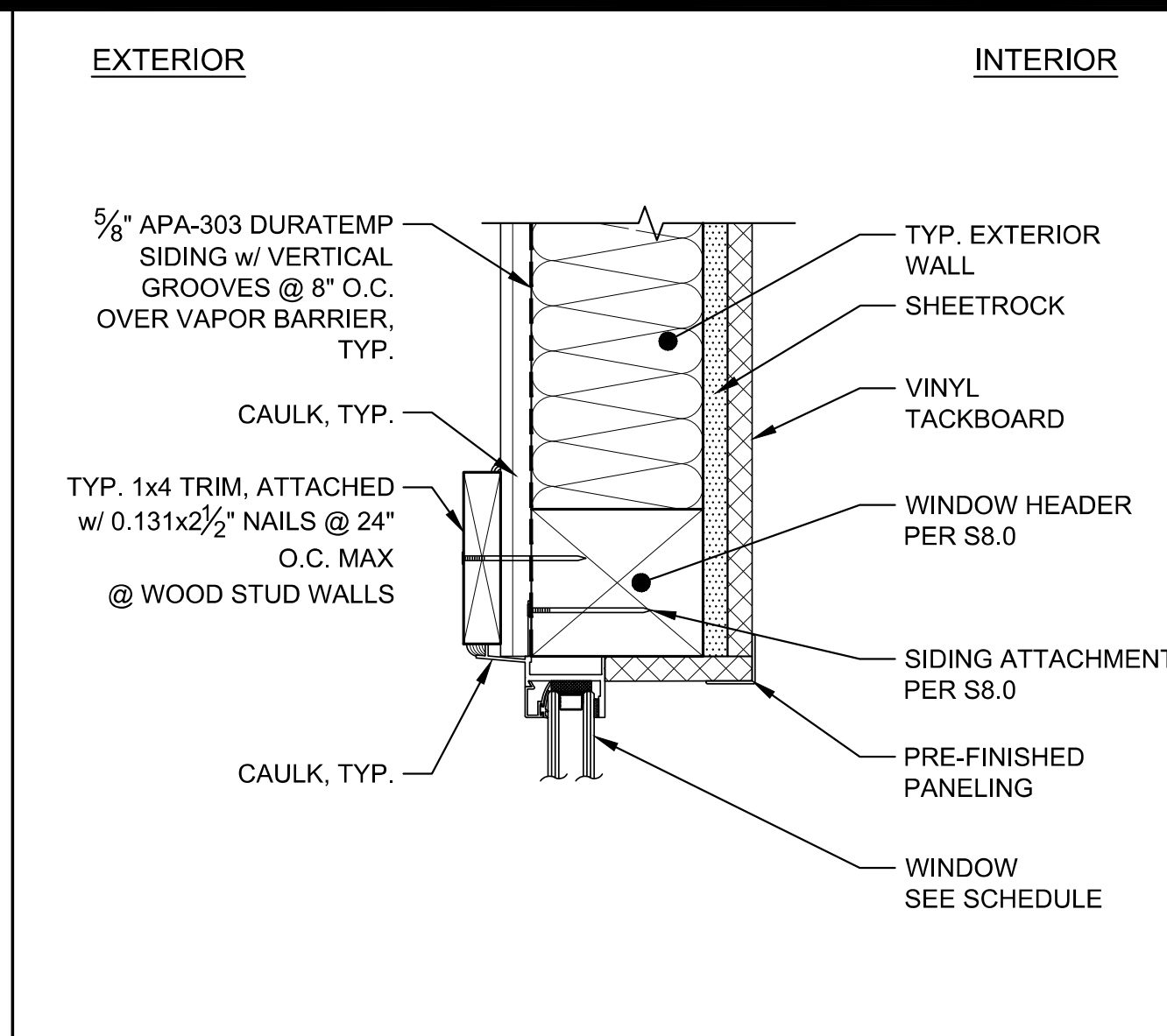
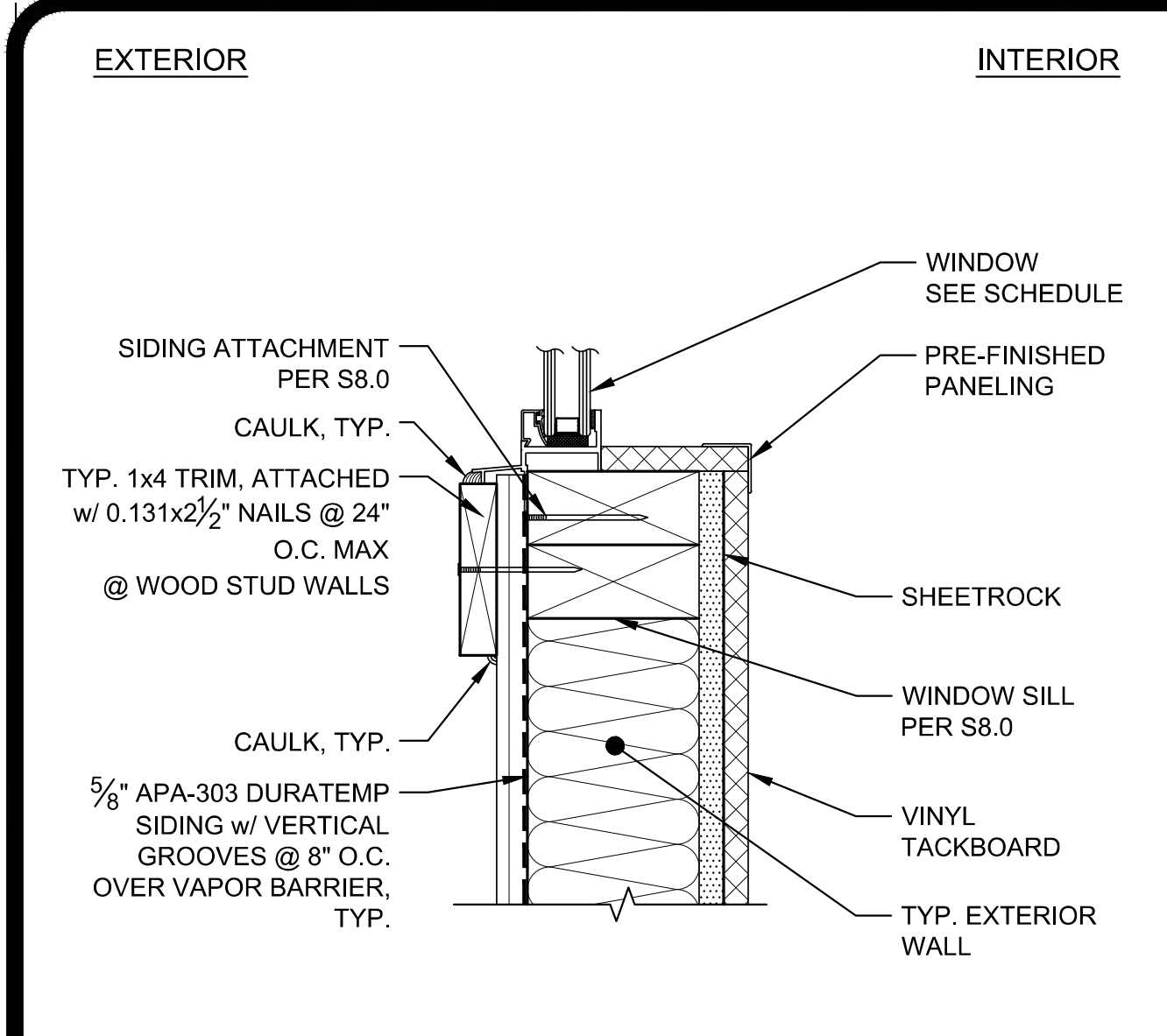

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

REVISIONS
 △
 △
 △

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21

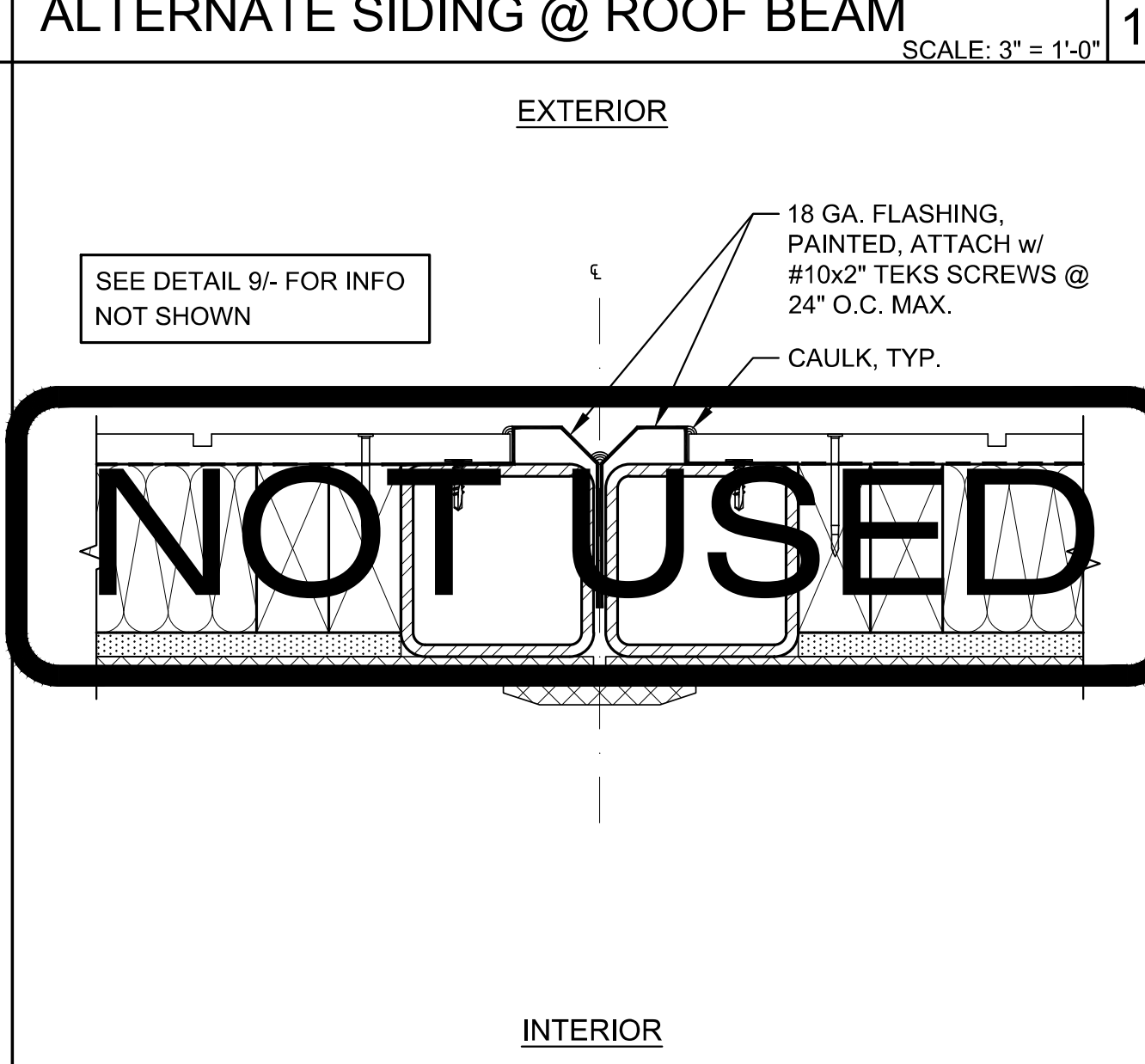
SHEET TITLE:
 TYP. ARCHITECTURAL DETAILS
 - DURATEMP 303
 SIDING OPTION

SHEET NUMBER:
A5.1 N

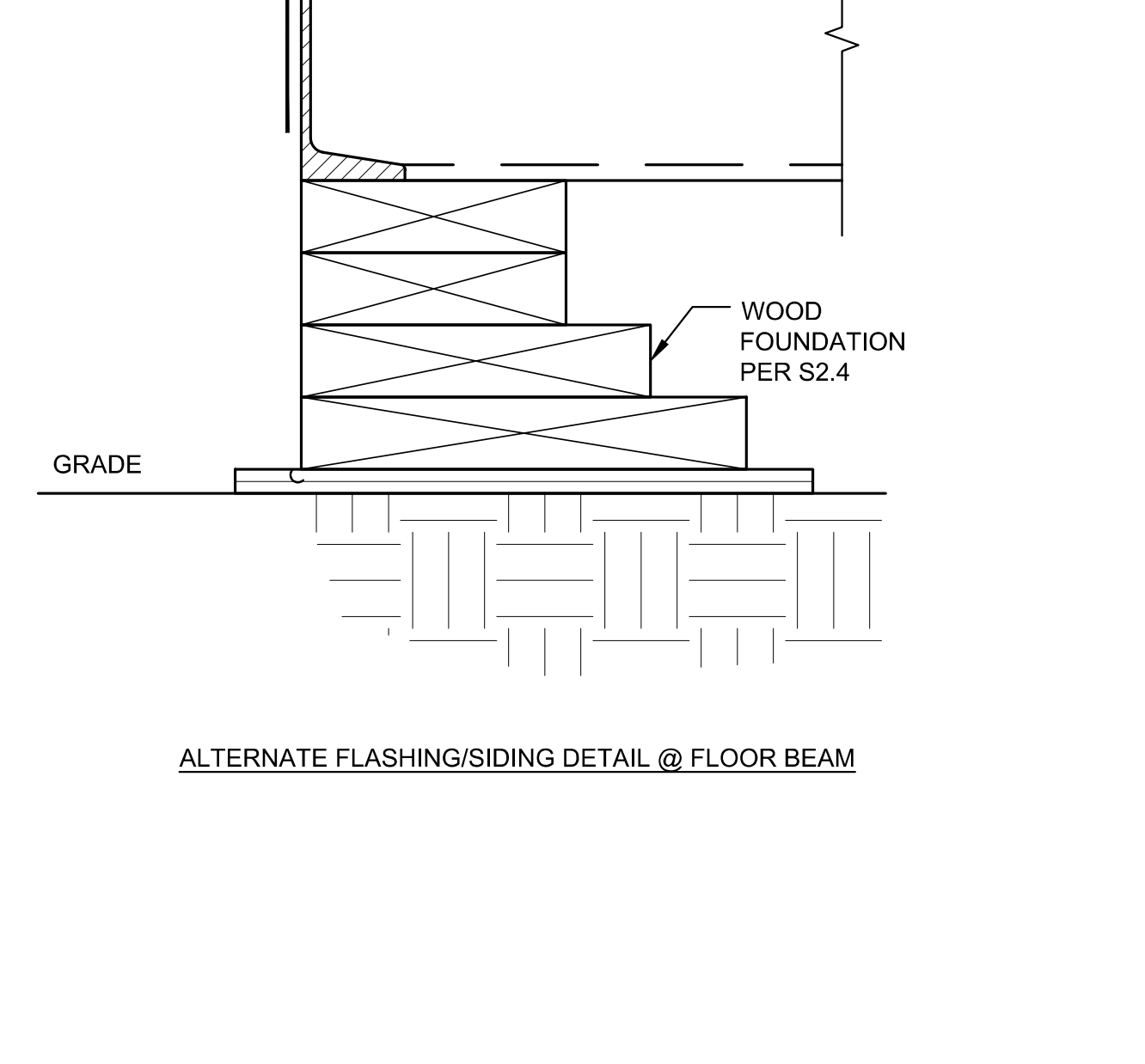
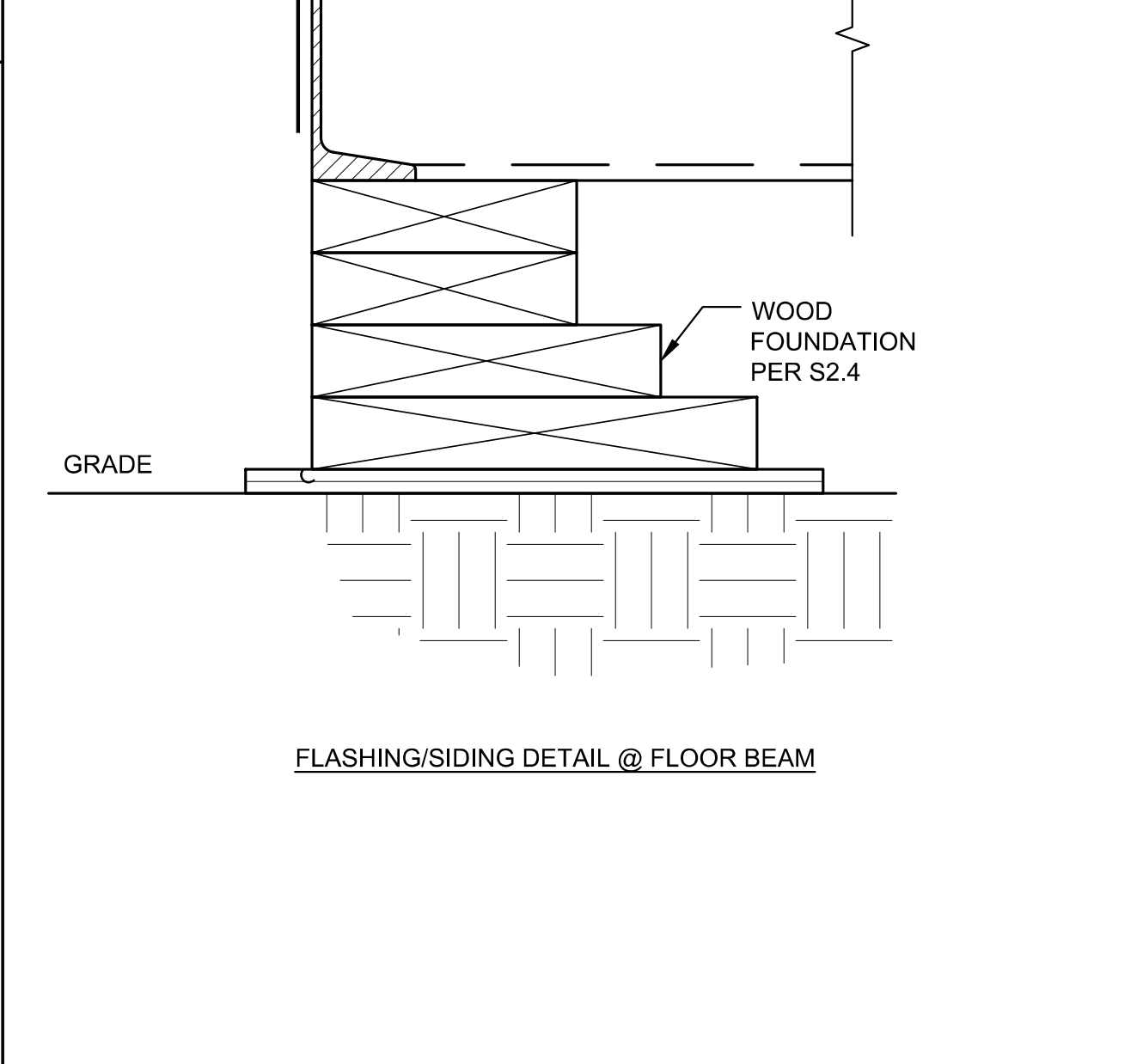


SHEET NOTES

- REFER TO SHEET A6.0 FOR ALL BUILDING INSULATION INSTALLATION NOT SHOWN OR NOTED ON DETAIL ON THIS SHEET.
- FLASHING SHALL BE PROVIDED PER DETAILS 10 & 19/-.
- DURATEMP SPECIFICATIONS - 7', 8', 9' & 10' X 4' HARDBOARDS, GRADES APA & PS 1 SPECIFICATIONS - 4", 8" GROOVE PATTERNS. FLAME SPREAD INDEX OF 126.2 (ALLOWABLE 75-200); NAILING SHALL BE 0.131x2 1/2 GALV. NAILS @ 8" O.C. E.N. AND 12" O.C. F.N. (ALL EDGES BLOCKED)



NOT USED



SHEET NOTES

ALTERNATE MODLINE CLOSURE DETAIL

NOT USED

FLASHING DETAIL

ALTERNATE FLASHING/SIDING DETAIL @ FLOOR BEAM

SCALE: 3" = 1'-0"

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 BUILDING, MODULAR OR OTHER STRUCTURE, 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
 24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 .
 .
 .

~~IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119283 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021~~

2019 CBC PRE-CHECK (PC) DOCUMENT
 (A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED)
 MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
 PATRICK J. HONN
 No. C12631
 Ren. 3-31-23
 STATE OF CALIFORNIA

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

REVISIONS

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21

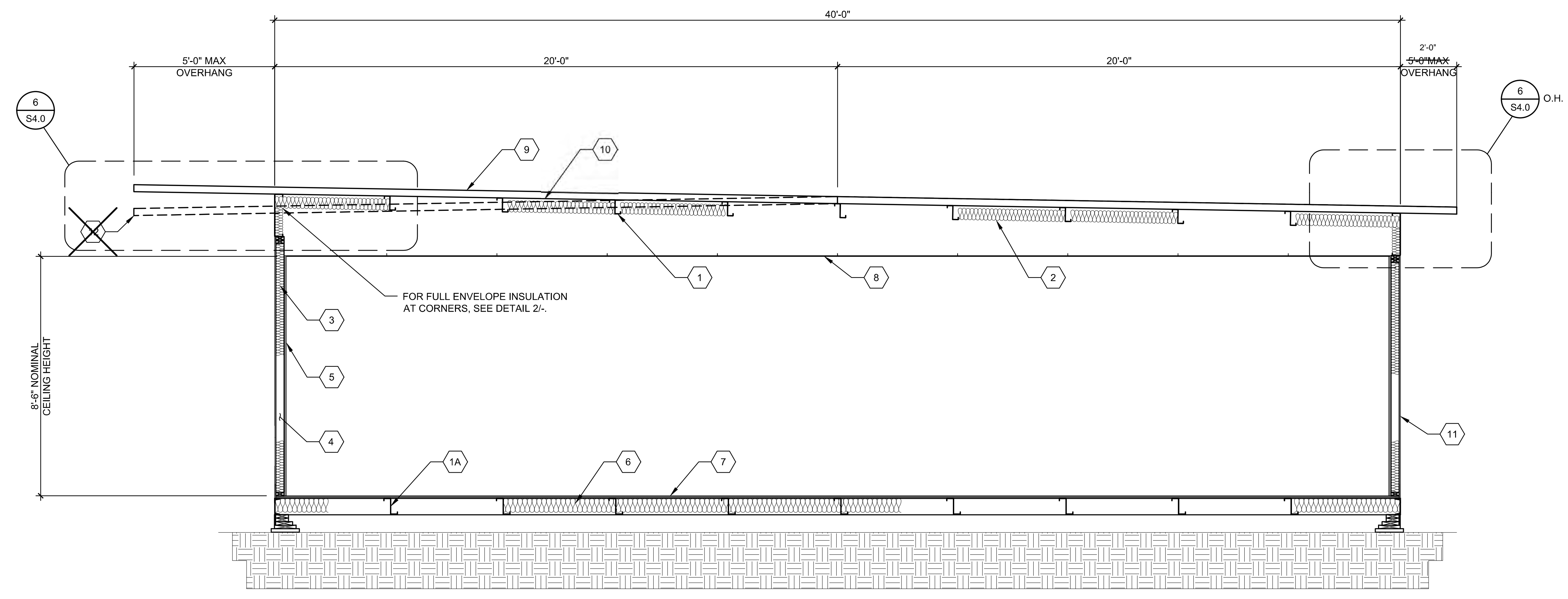
SHEET TITLE:
 TYPICAL LONGITUDINAL AND TRANSVERSE BUILDING SECTIONS

SHEET NUMBER:
A6.0 N

- 1 ROOF PURLINS PER ROOF FRAMING PLAN
- 1A FLOOR JOISTS PER FLOOR FRAMING PLAN
- 2 BATT ROOF INSULATION PER SHEET M1.7
- 3 WALL FRAMING PER SHEETS S8.0 OR S9.0
- 4 WALL INSULATION PER SHEET M1.7
- 5 VINYL FABRIC OVER TACKABLE BRACING PANELS
- 6 BATT FLOOR INSULATION PER SHEET M1.7 (PLYWOOD FLOOR ONLY)
- 7 PLYWOOD FLOOR PER SHEET S3.0 OR CONCRETE FLOOR PER SHEETS 63.4 - 63.8
- 8 SUSPENDED T-BAR CEILING PER M1.0
- 9 FINISHED ROOFING PER ROOF PLAN & ROOF FRAMING PLAN
- 10 STEEL CROSS BRACING WITHOUT RIGID ROOF INSULATION (S4.0)
- 11 EXTERIOR WALL FINISH PER EXTERIOR ELEVATIONS
- 12 SOLID BLOCKING @ CEILING LEVEL PER CBC 718.2

KEY NOTES

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL FNDN WIDTH
<input type="checkbox"/> 24'x40'	2	0	23'-8"
<input type="checkbox"/> 36'x40'	3	1	35'-6"
<input checked="" type="checkbox"/> 48'x40'	4	2	47'-4"

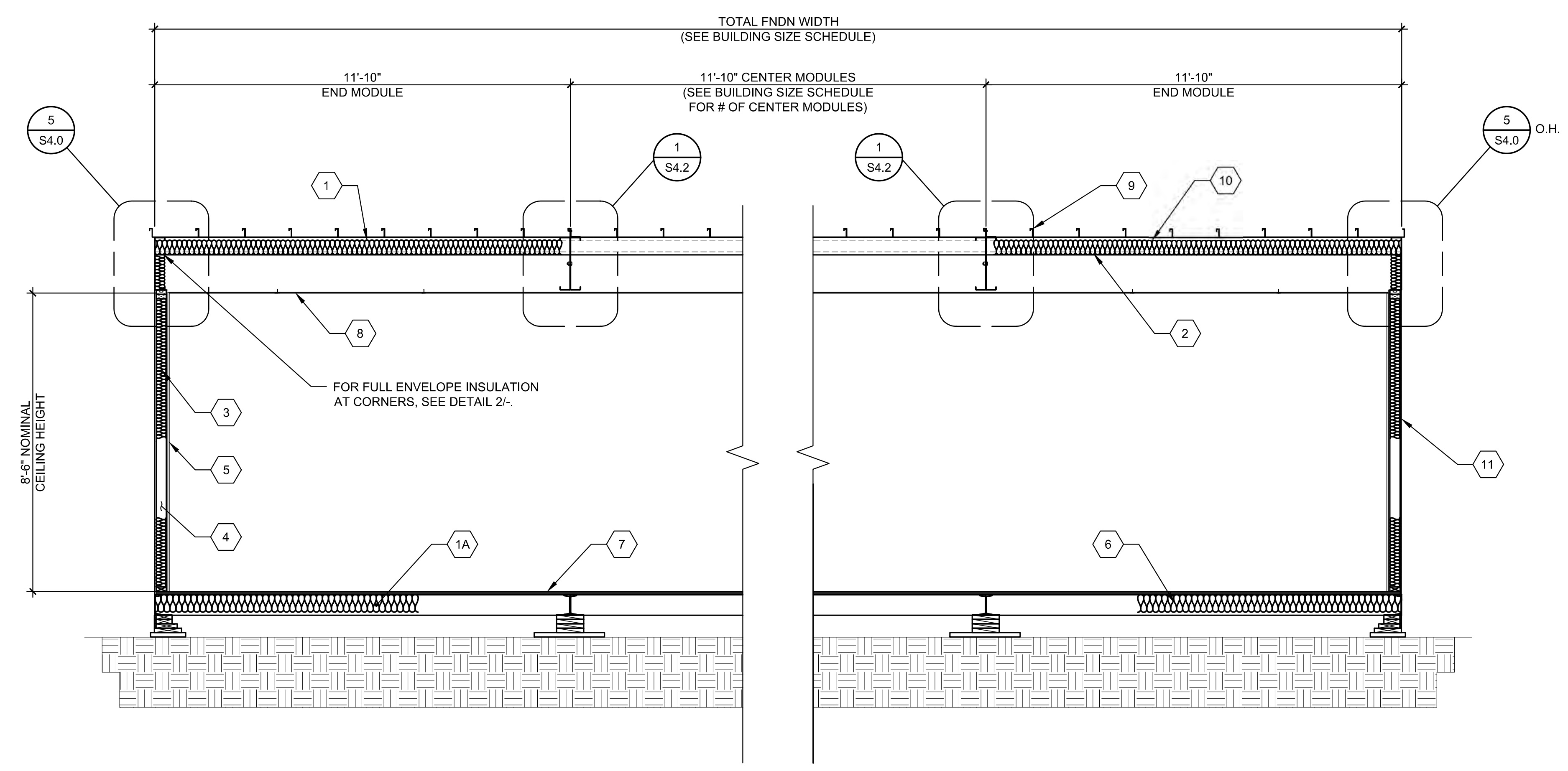


TYP. LONGITUDINAL SECTION-MONO/DUAL PITCH

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

A

BUILDING SIZE SCHEDULE



TYP. TRANSVERSE SECTION-MONO/DUAL PITCH

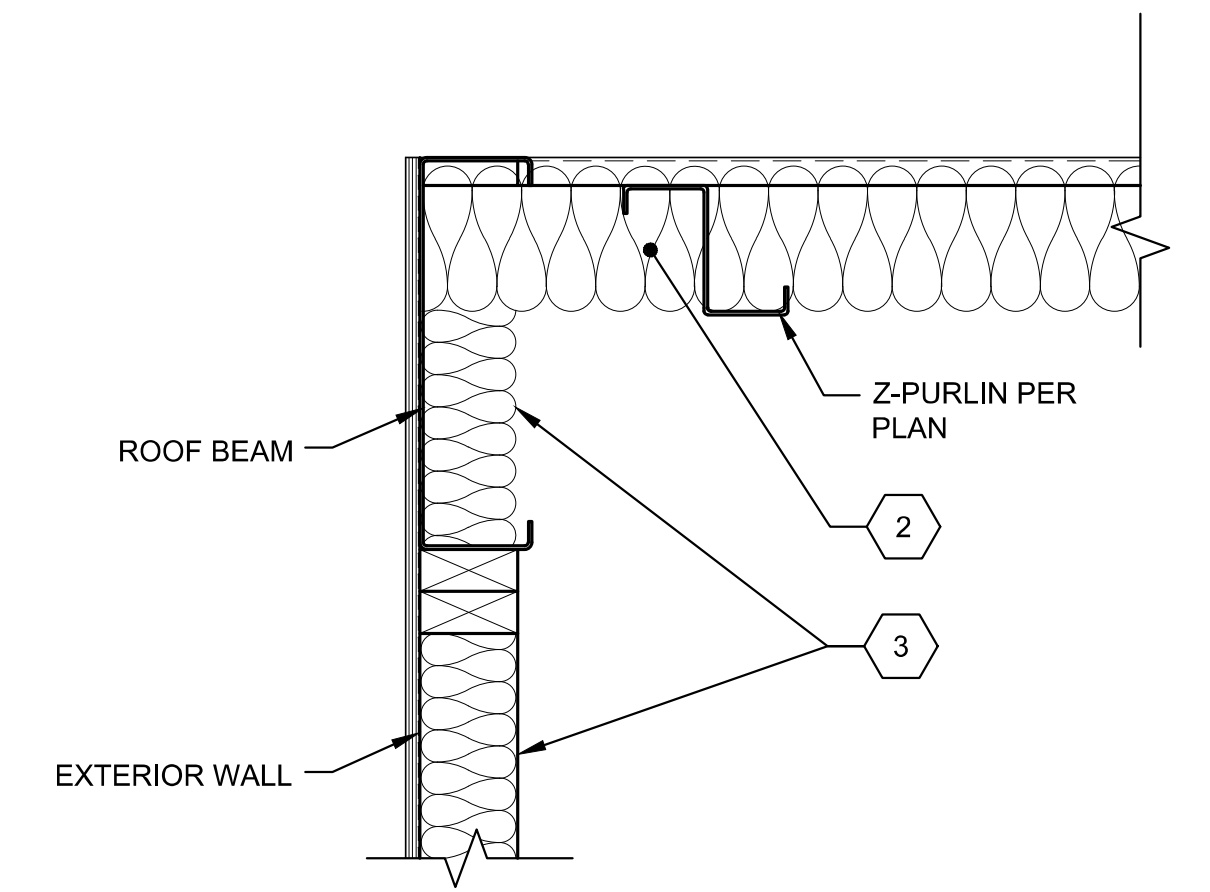
SCALE: 3/8"=1'-0"

B

INSULATION CORNER DET.

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

1



INSULATION CORNER DET.

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

2

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 MARKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING 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
24' x 40' THRU 48' x 40' (HIGH SEISMIC)
2GO
 SITE SPECIFIC PROJECT NAME

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-19283-PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
 MANUFACTURER PROFESSIONAL OF RECORD ON PC

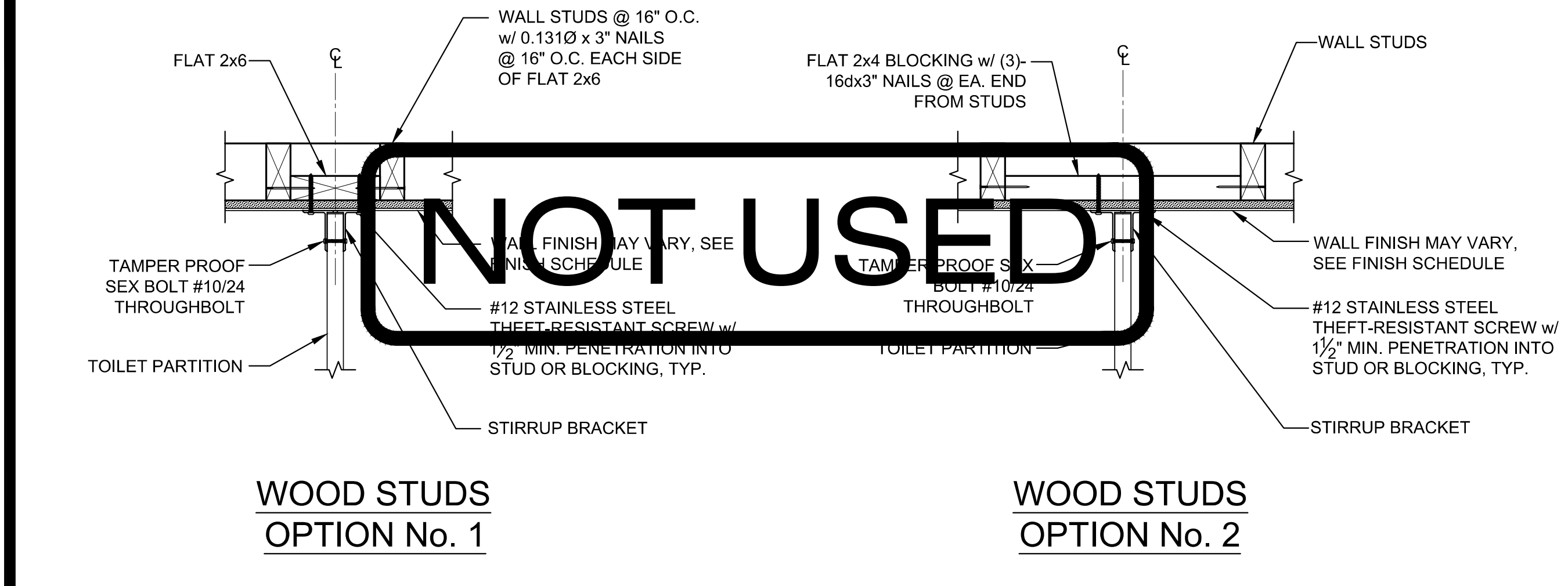
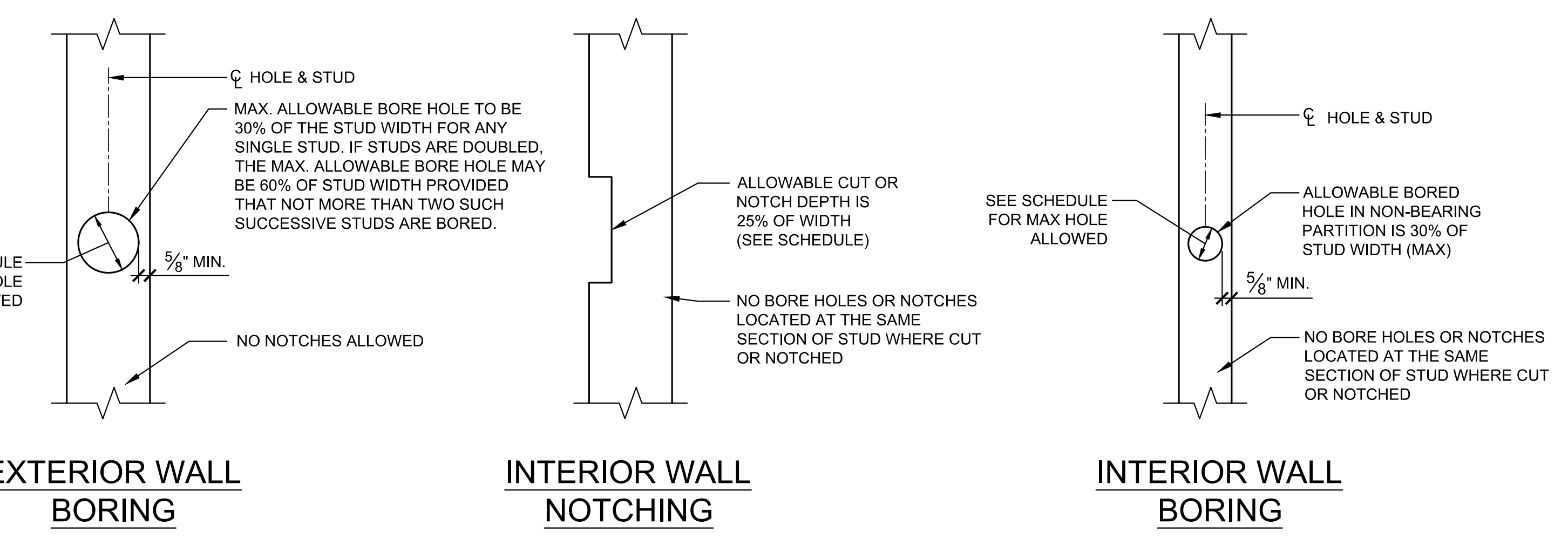
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

REVISIONS

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21
 SHEET TITLE: MISCELLANEOUS ARCHITECTURAL DETAILS
 SHEET NUMBER:

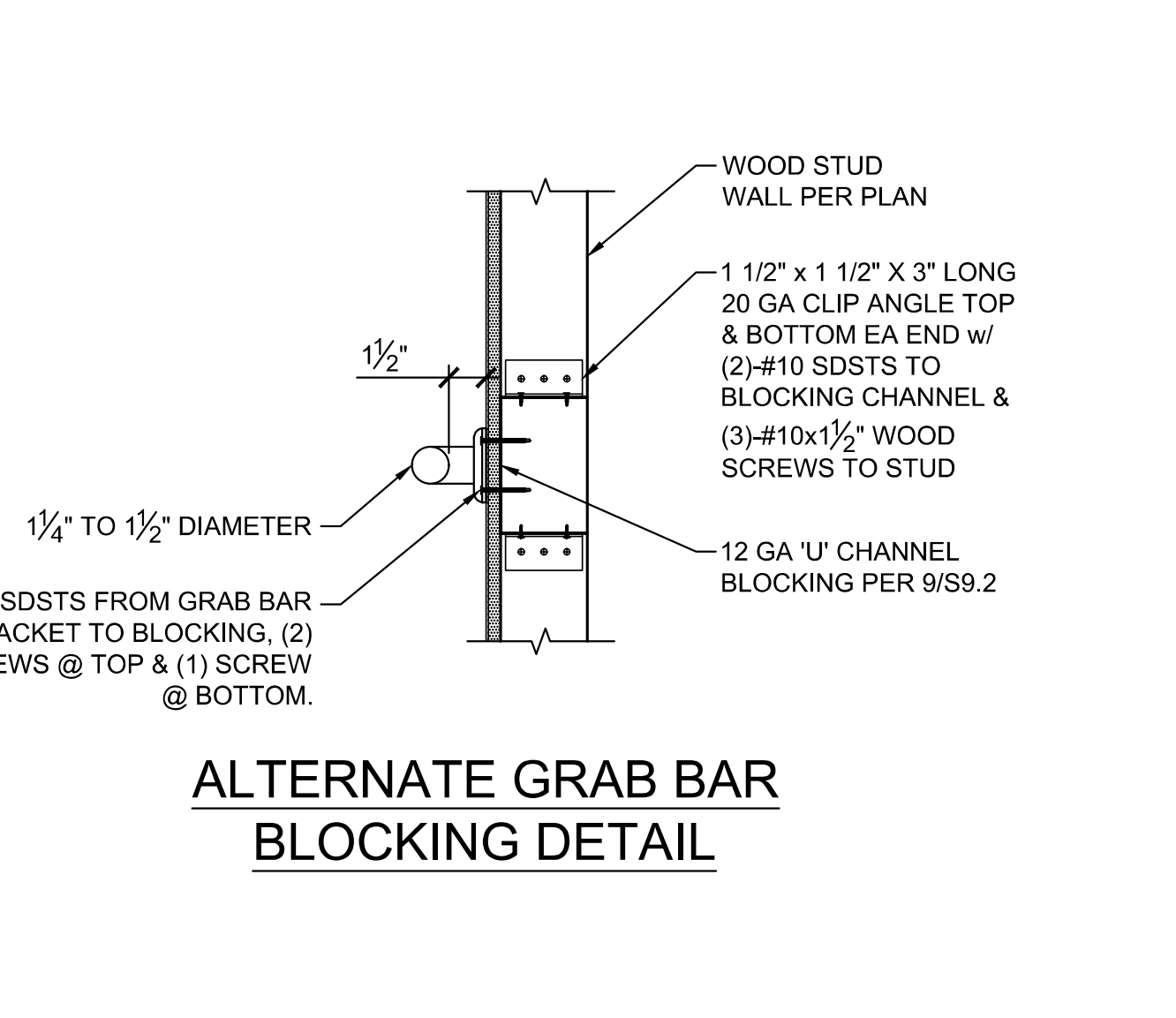
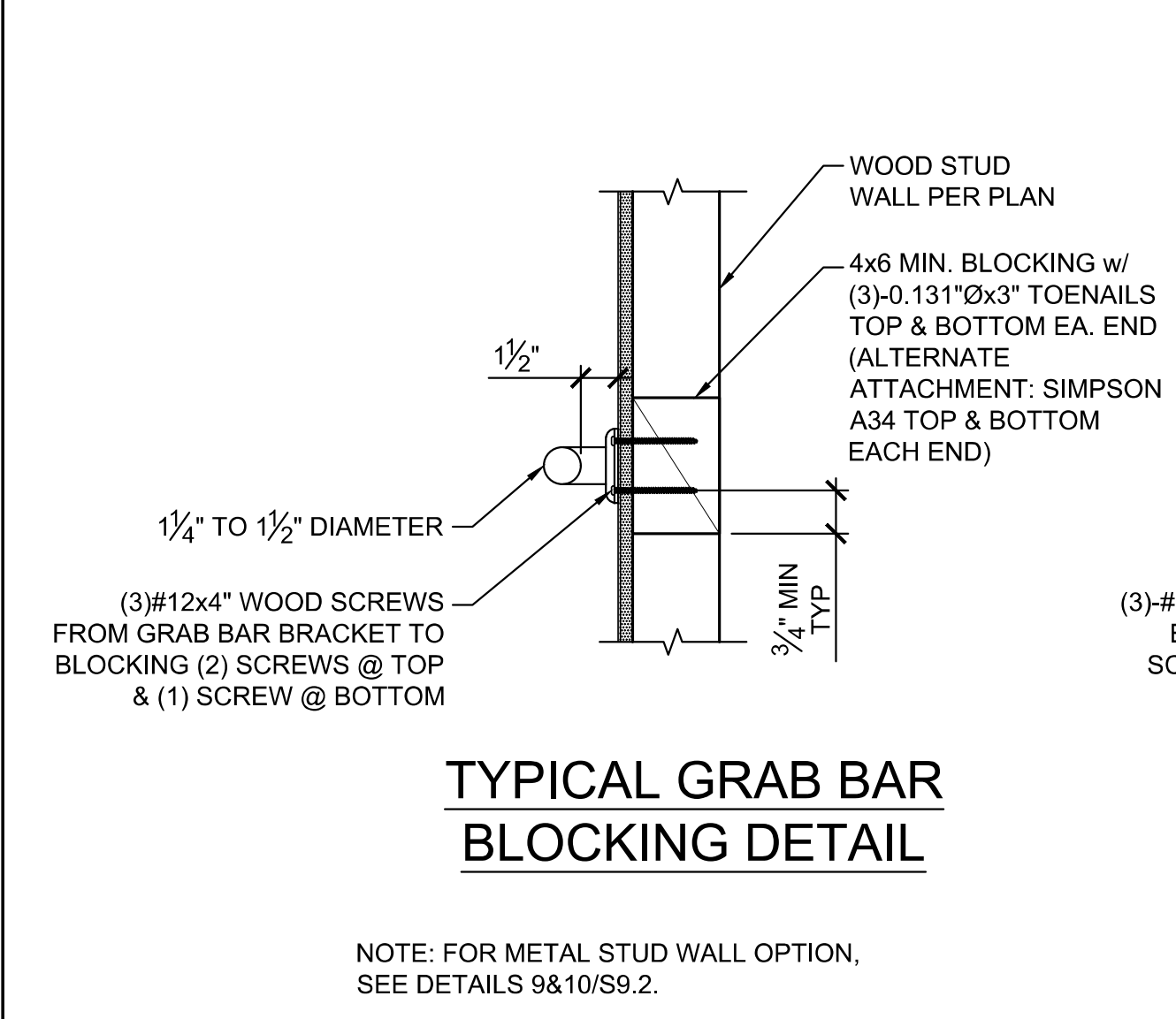
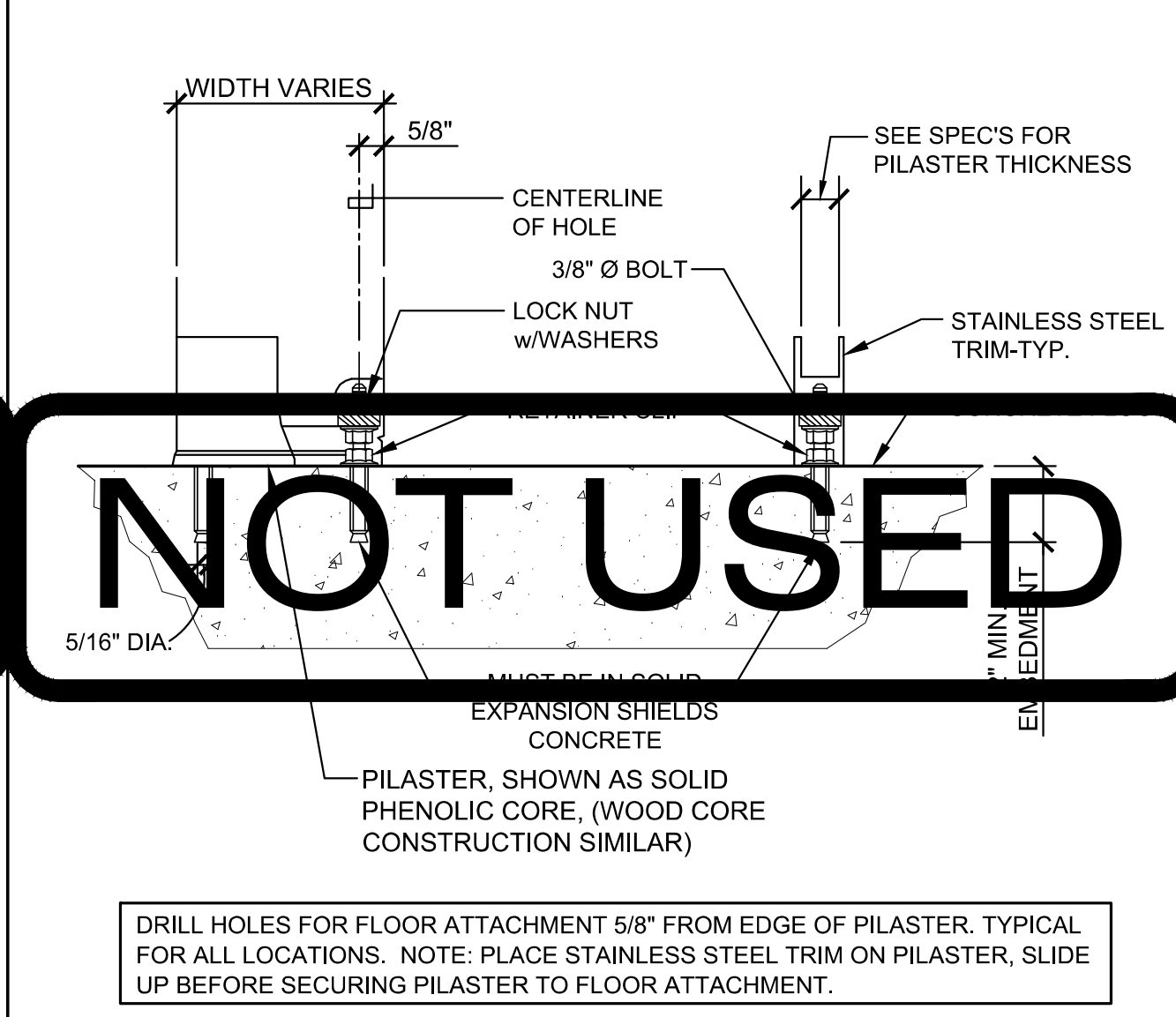
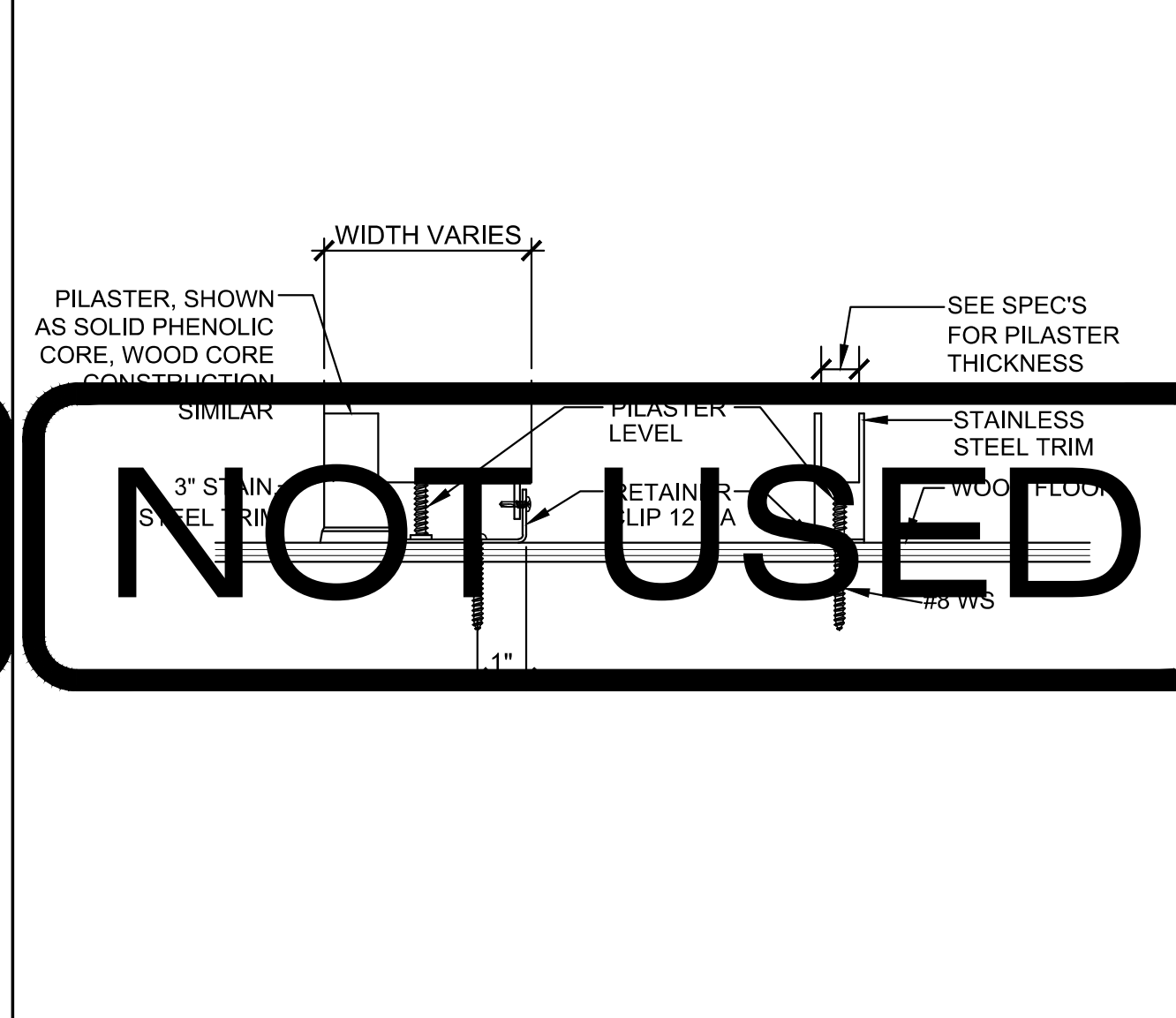
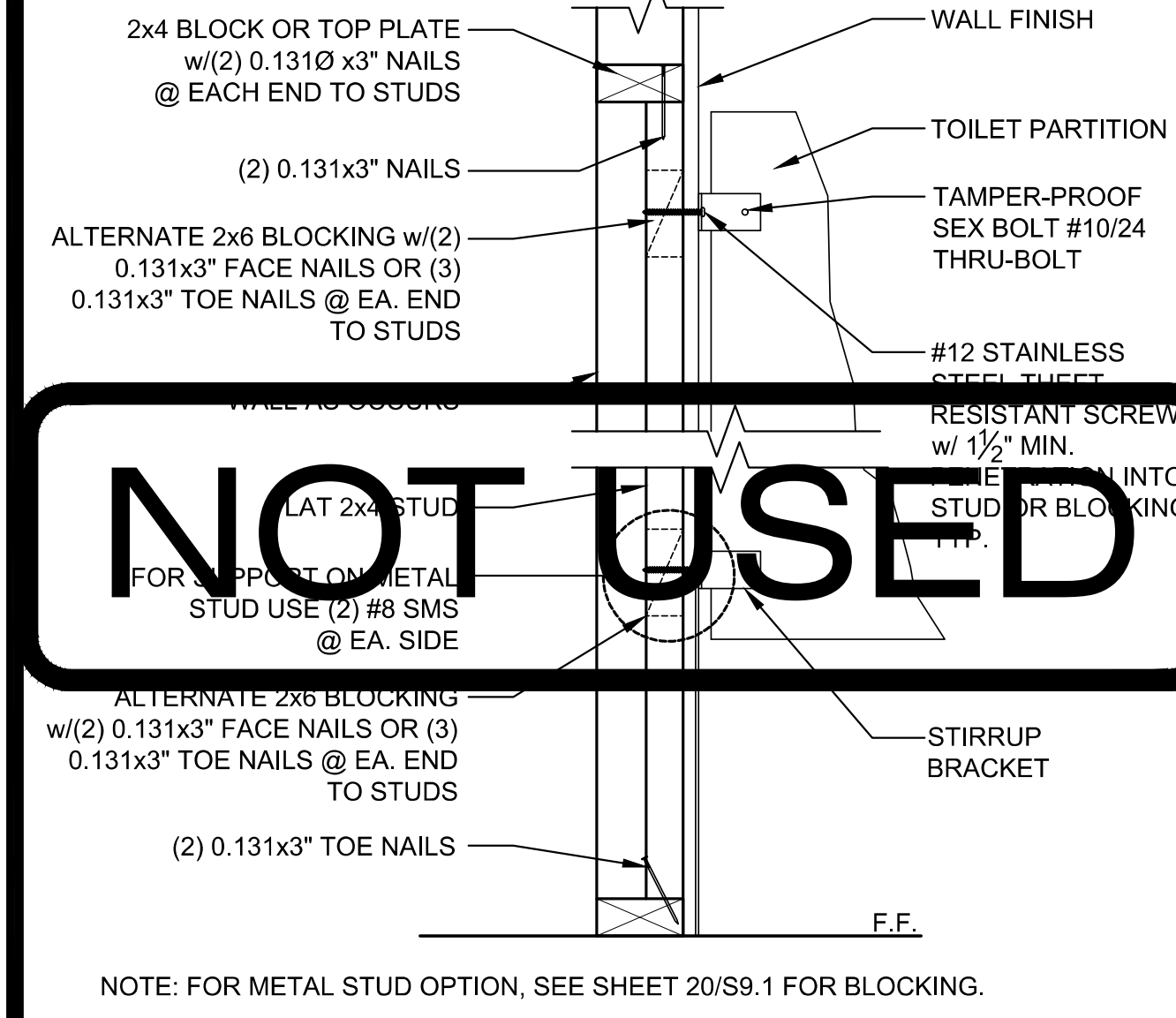
A7.1 N

NOTCH & BORING SCHEDULE					
SIZE	NOMINAL	ACTUAL	25%	30%	60%
2x4	4"	3 1/2"	7/8"	1"	2 1/16"
2x6	6"	5 1/2"	1 3/8"	1 5/8"	3 1/4"
2x8	8"	7 1/4"	1 13/16"	2 1/8"	4 9/16"



TOILET PARTITION ANCHORAGE BLOCKING DETAILS @ WALL SCALE: 1-1/2" = 1'-0"

STUD NOTCHING AND BORING DETAILS NOT TO SCALE

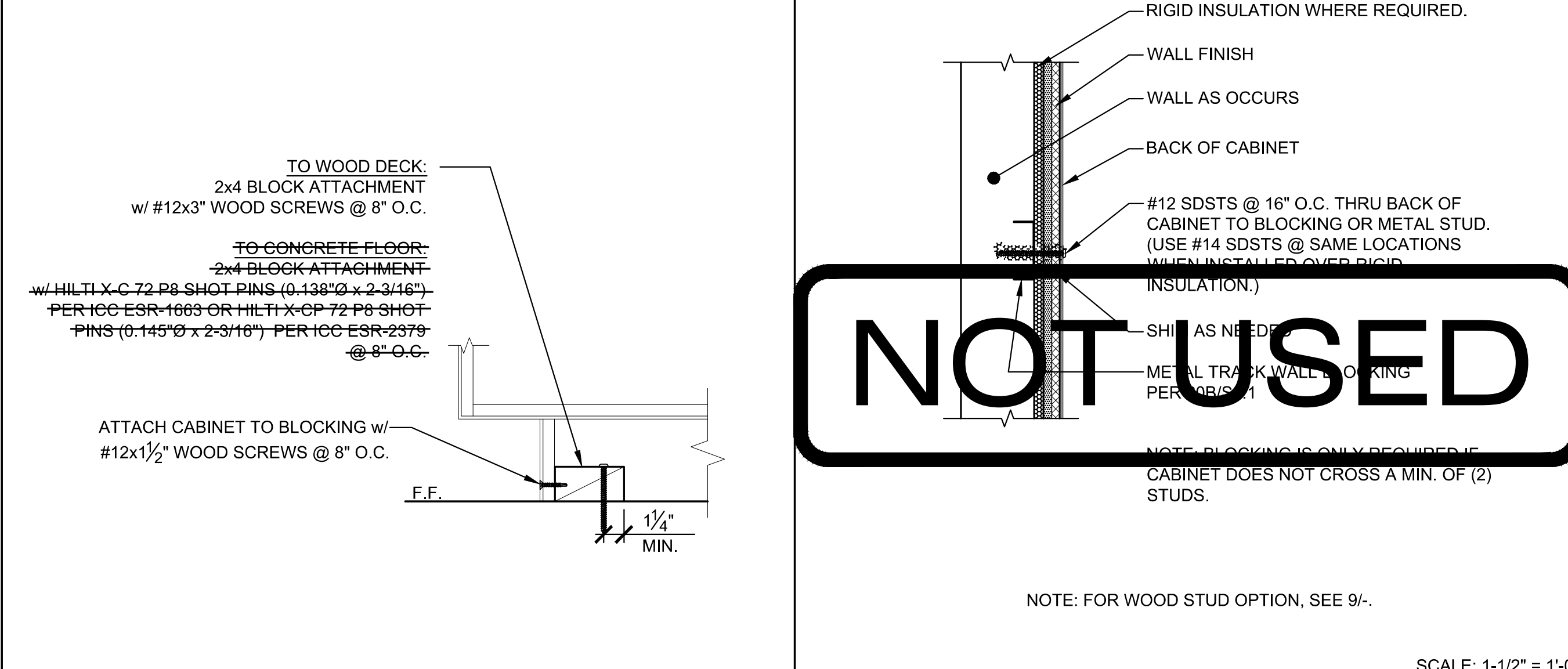
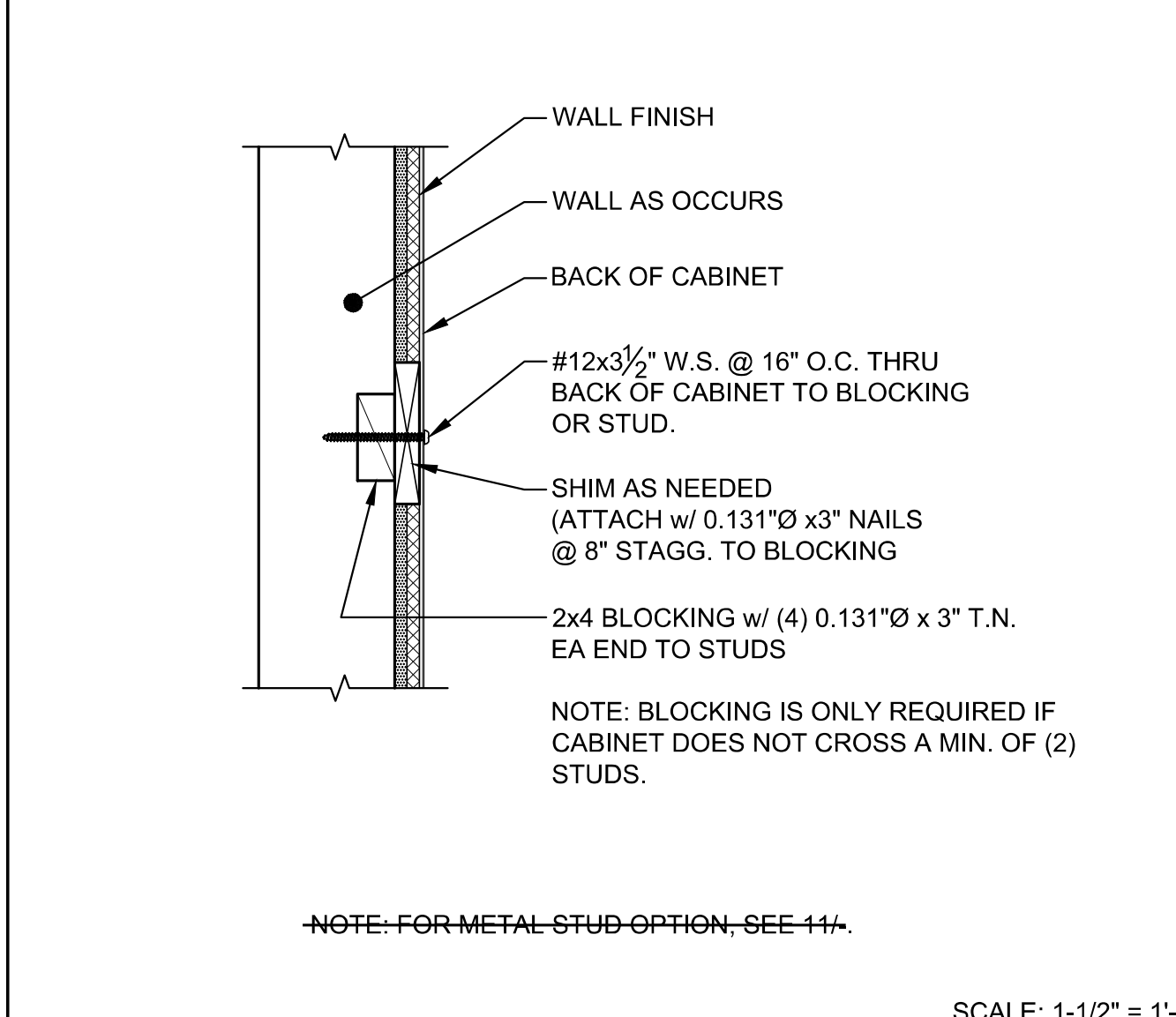
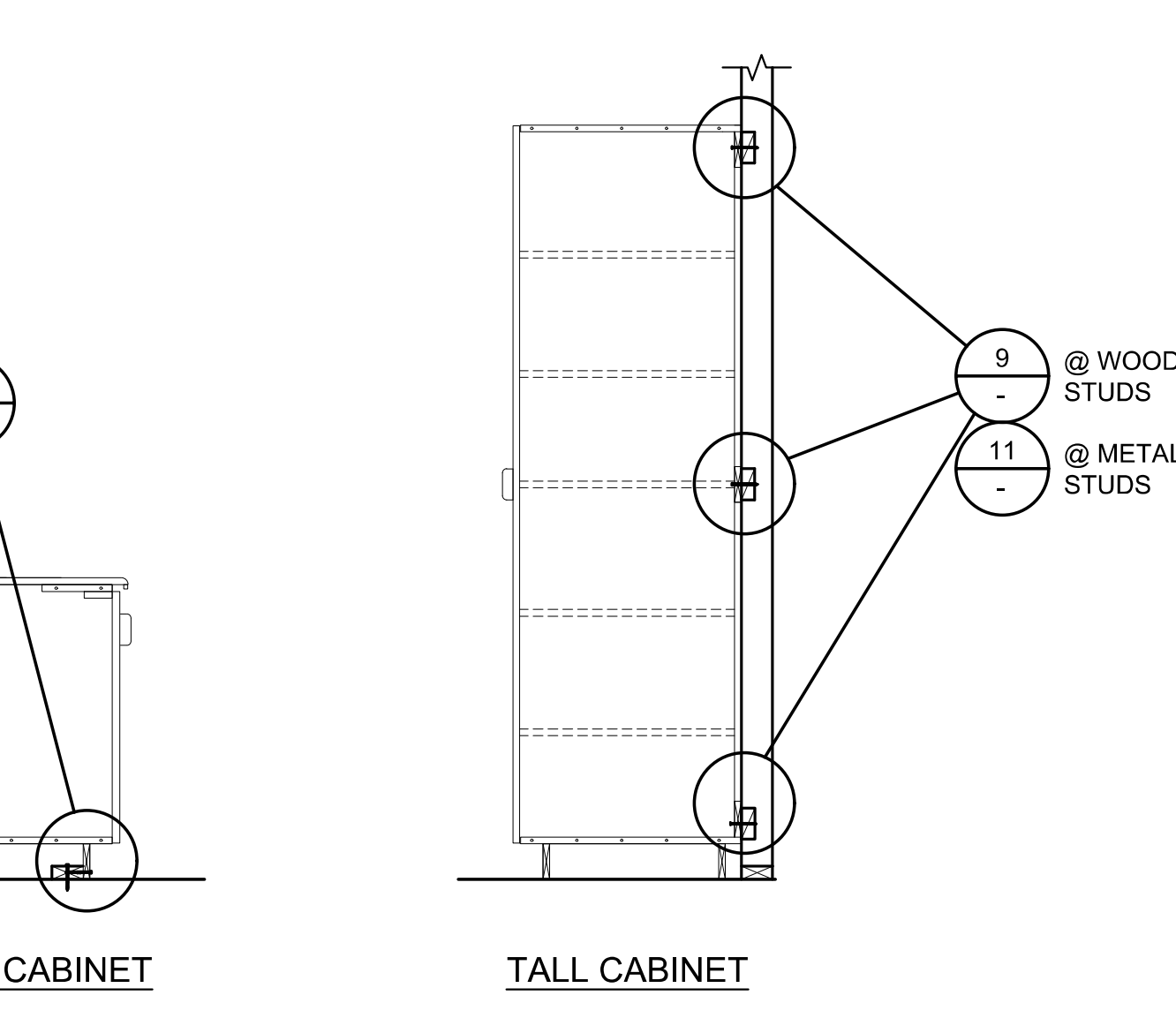
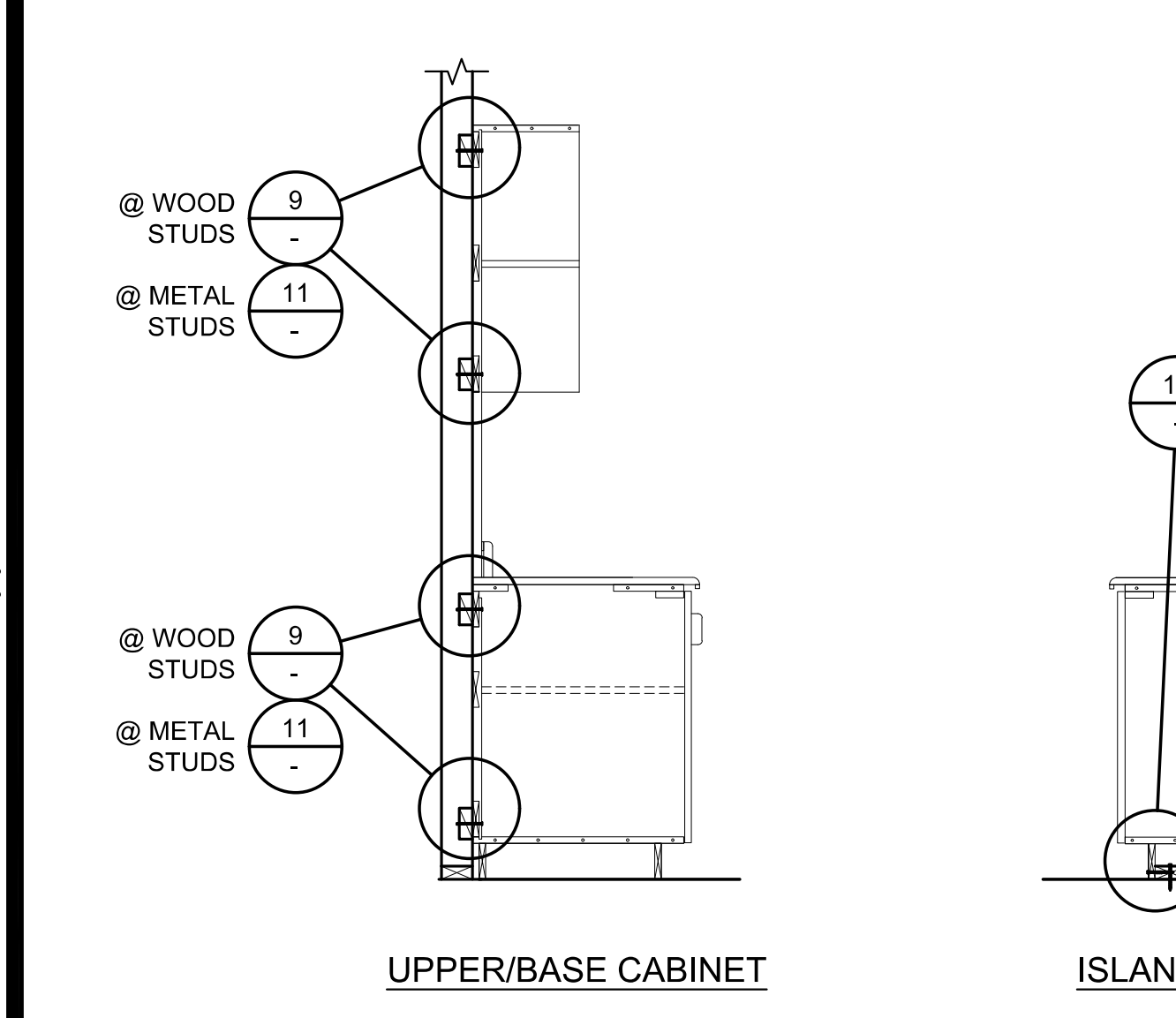


TOILET PARTITION WALL BLOCKING NOT TO SCALE

PARTITION TO WOOD FLOOR NOT TO SCALE

PARTITION TO CONCRETE FLOOR NOT TO SCALE

GRAB BAR BLOCKING DETAIL SCALE: 1-1/2" = 1'-0"

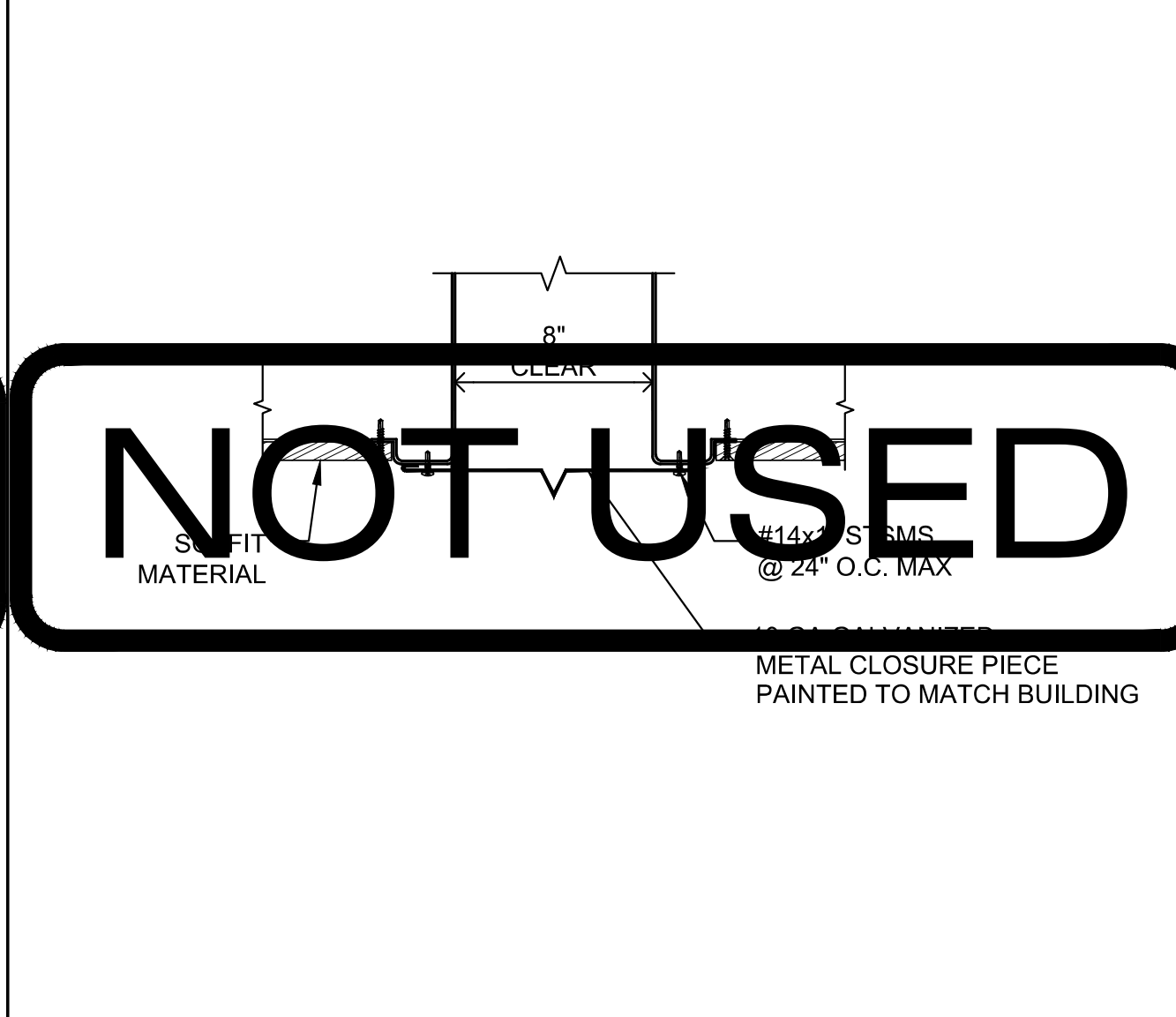
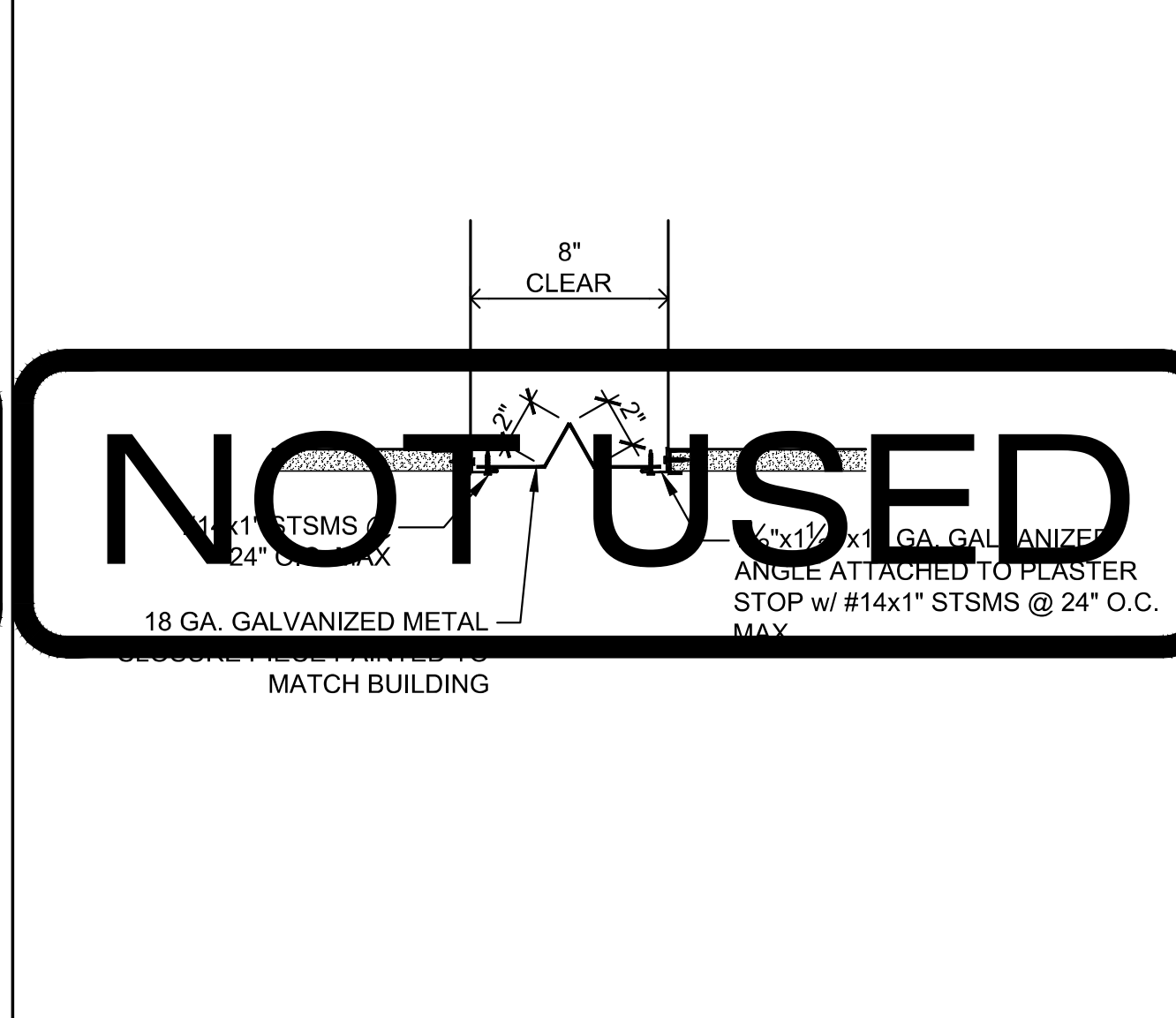
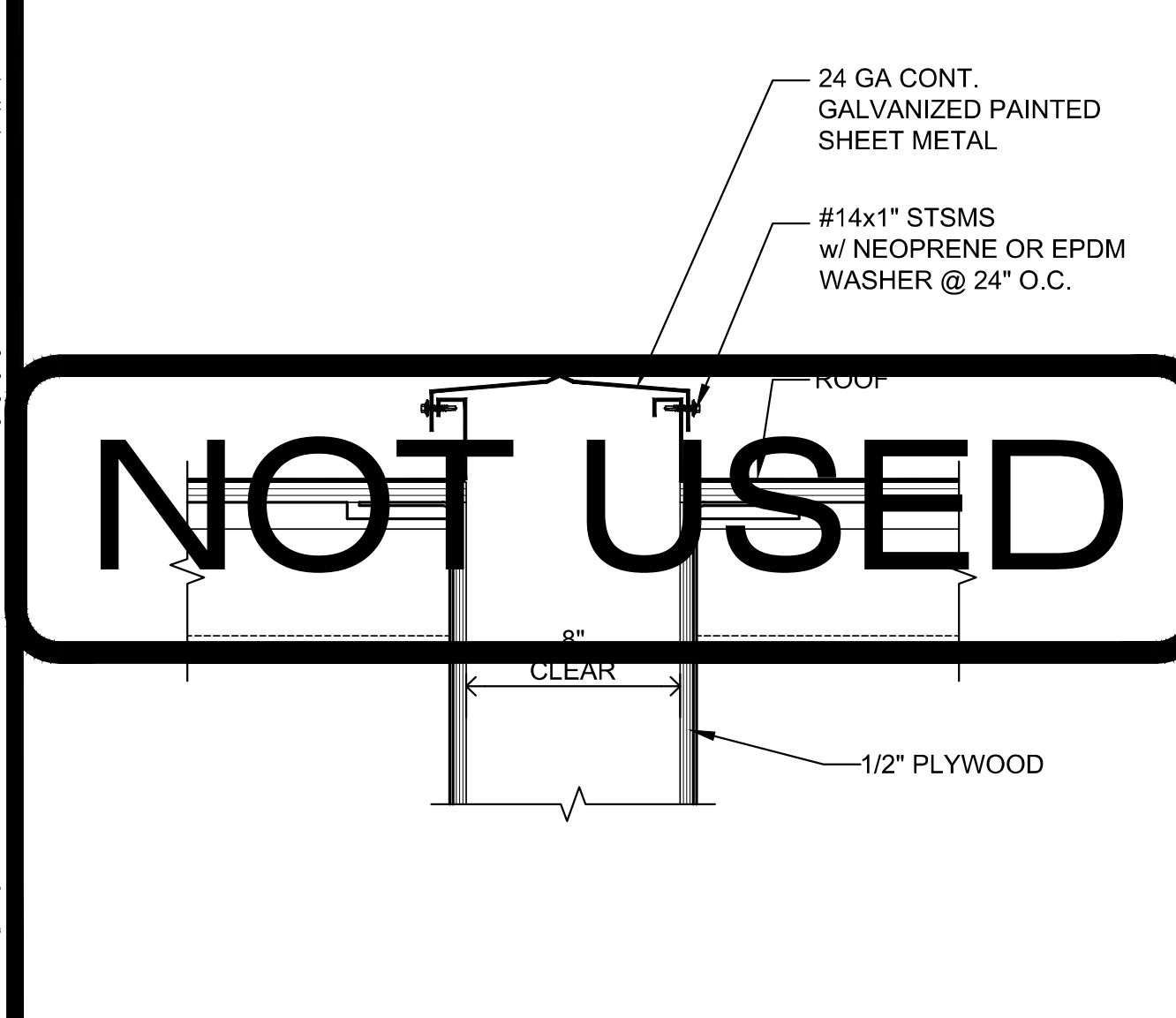


TYP. CABINET ATTACHMENT NOT TO SCALE

CABINET ATTACHMENT @ WOOD STUDS SCALE: 1-1/2" = 1'-0"

CABINET ATTACHMENT @ FLOOR SCALE: 1-1/2" = 1'-0"

CABINET ATTACHMENT @ METAL STUDS SCALE: 1-1/2" = 1'-0"



SEISMIC CLOSURE @ ROOF

SEISMIC CLOSURE @ WALL

SEISMIC CLOSURE @ SOFFIT

NOT USED

NOT USED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120719 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 MARKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF ANY BUILDING, MODULAR OR OTHER STRUCTURE. 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
24' x 40' THRU 48' x 40'
(HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
.
.
.

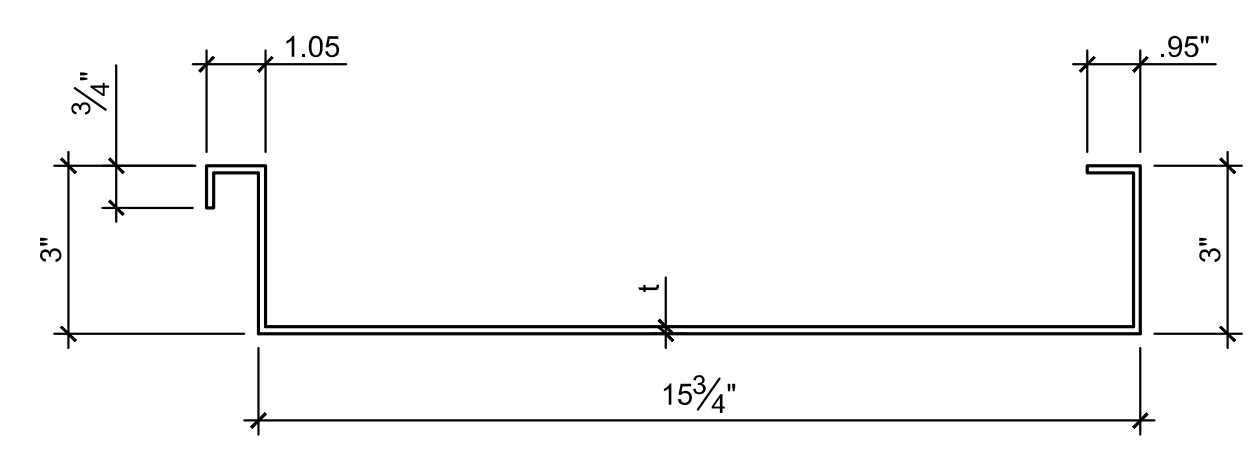
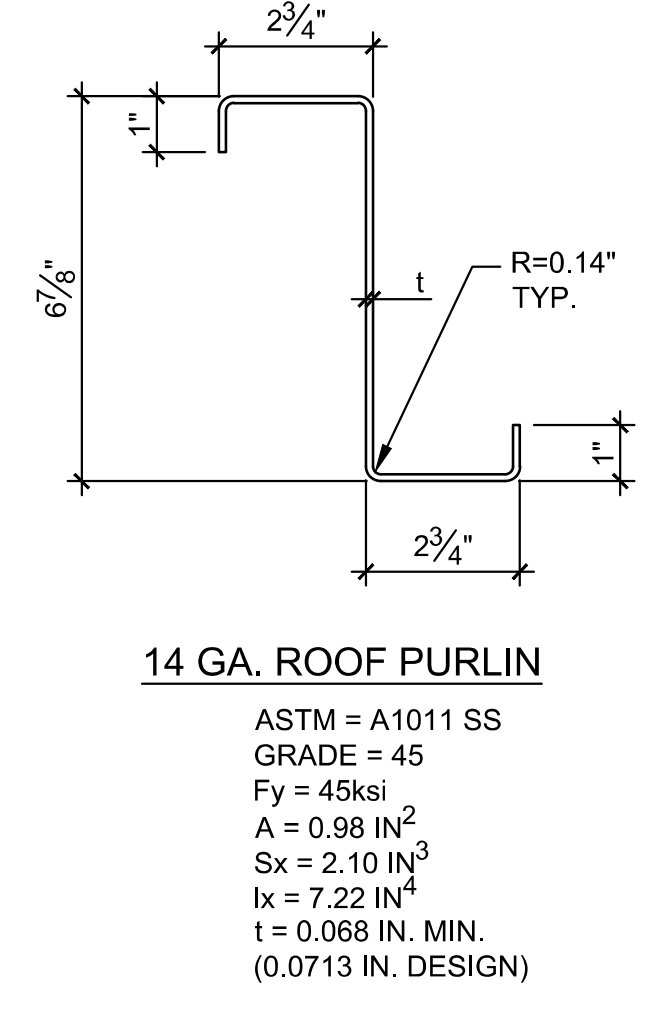
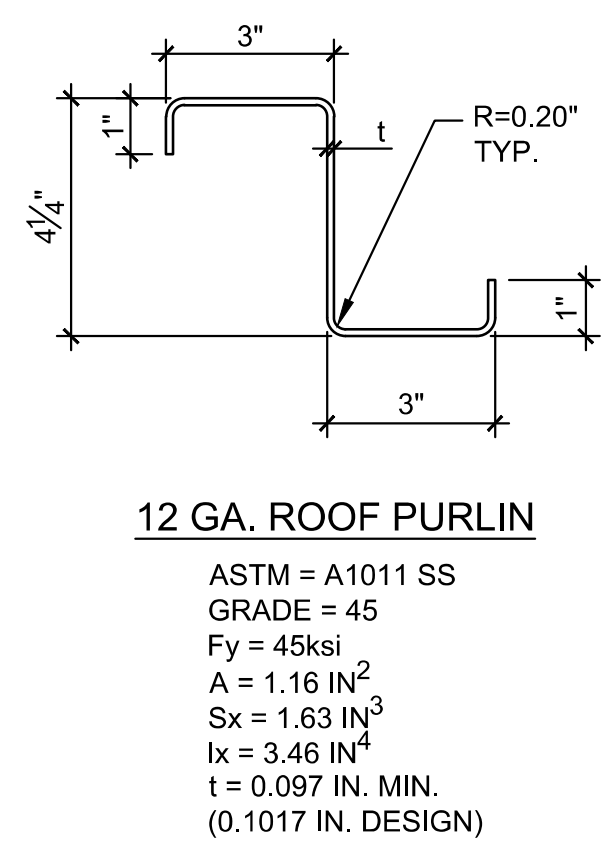
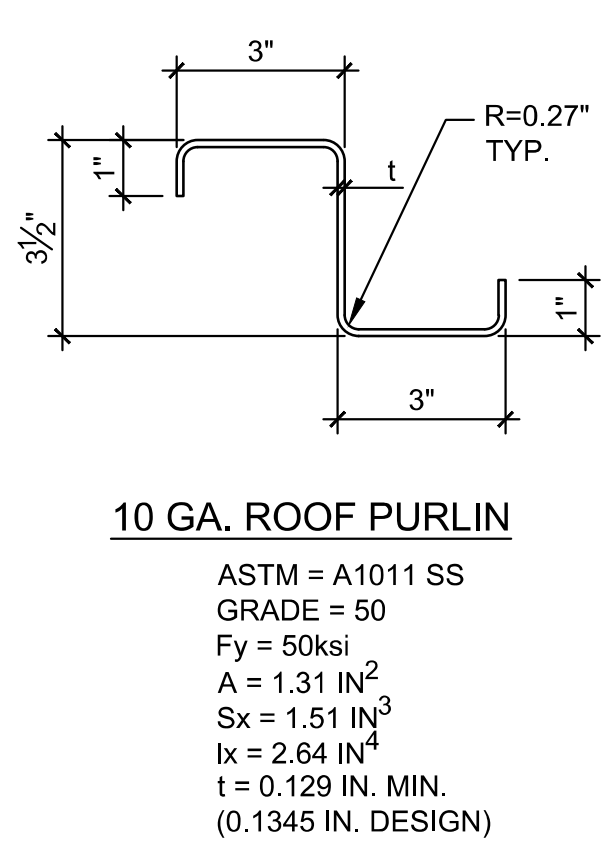
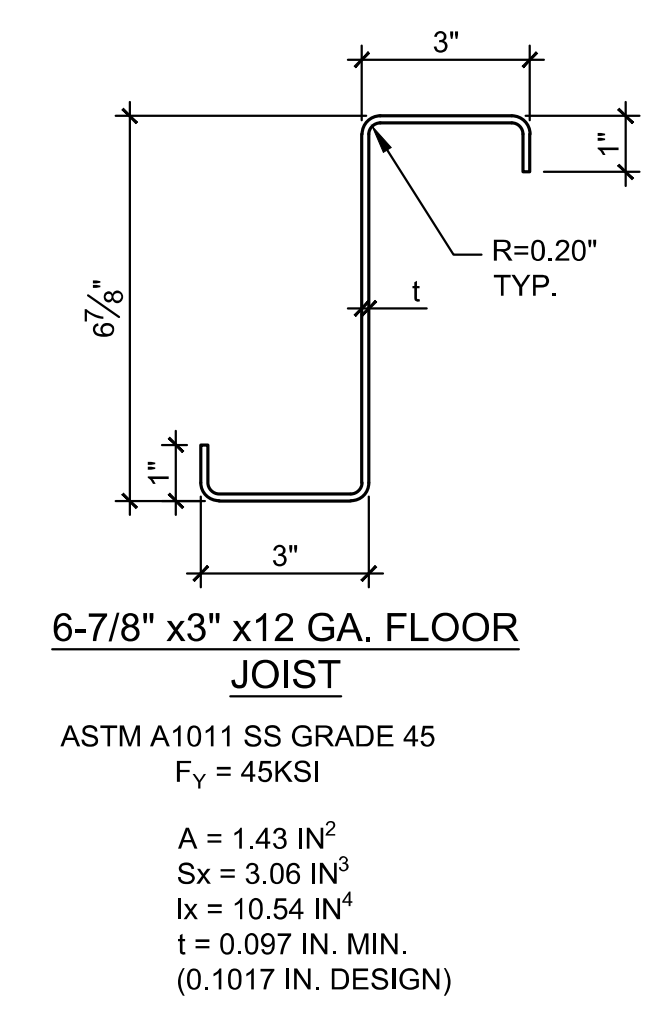
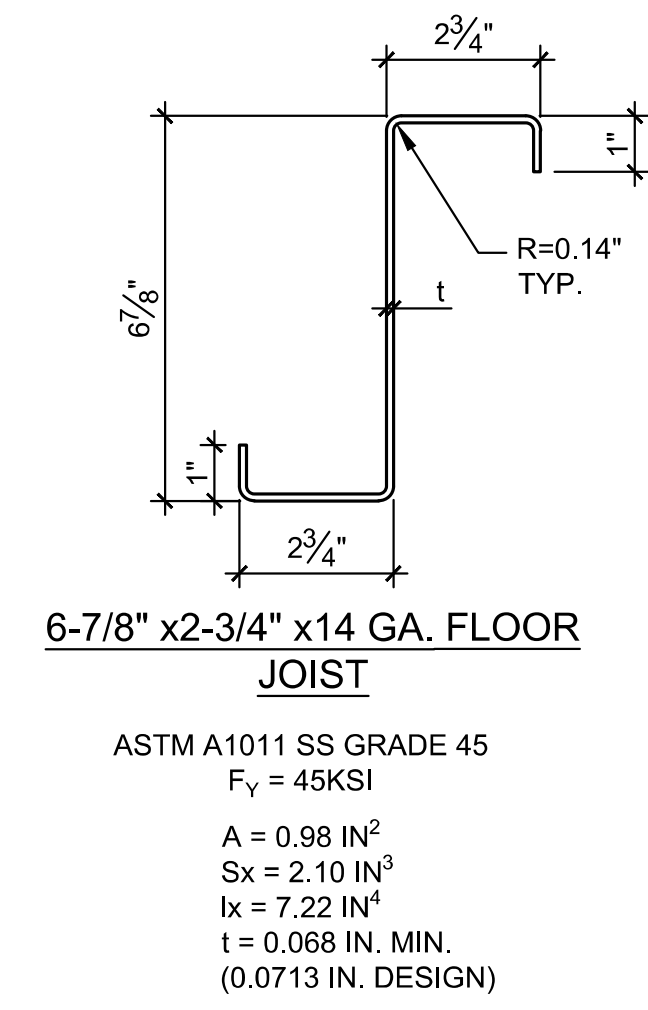
~~IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-19289 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/20/2021~~

2019 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
MANUFACTURER PROFESSIONAL OF RECORD ON PC

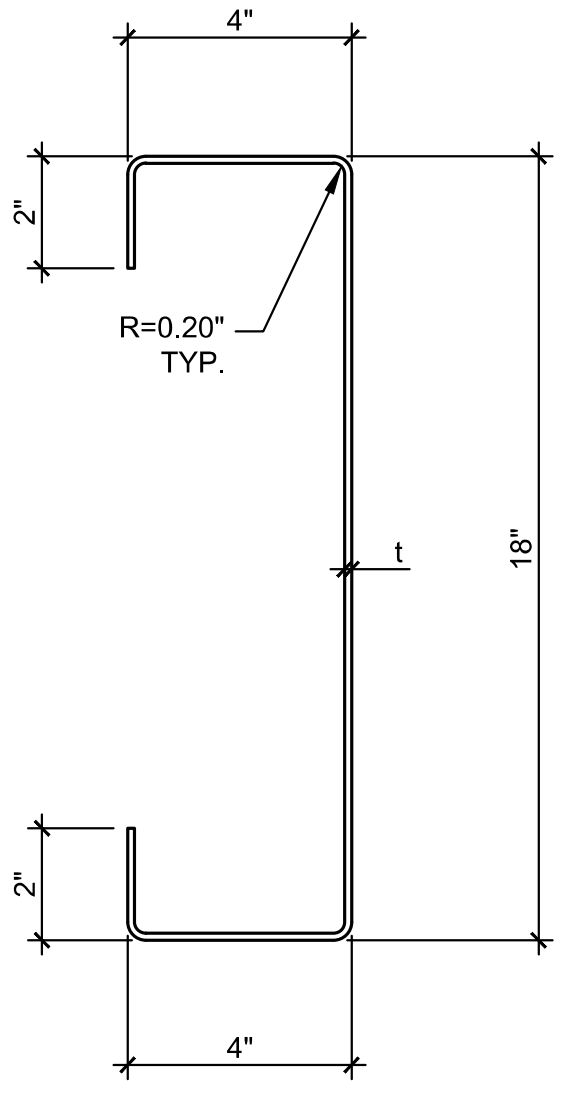
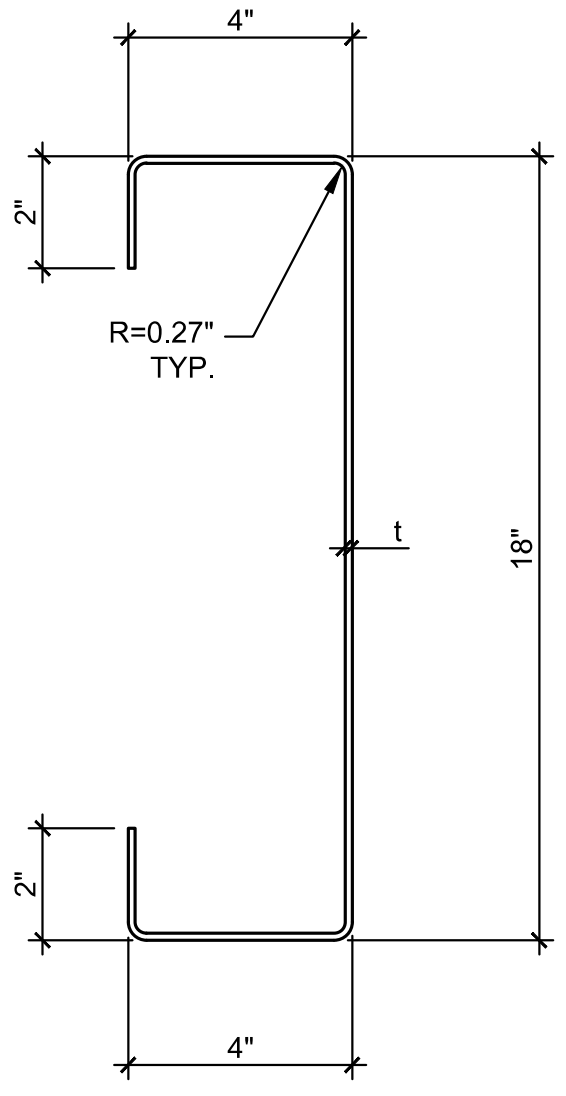
08/06/2021
RST#20079
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

REVISIONS
△
△
△
△
DRAWN BY: ADS/AH
SCALE: AS NOTED
DATE: 03/11/21
PROJECT NO: XXXX-21
SHEET TITLE:
LIGHT GAUGE STEEL MEMBER PROPERTIES

SHEET NUMBER:
S0.0 N



EFFECTIVE SECTION PROPERTIES		ASTM A1011 SS, GRADE 36 F _y = 36 ksi
w/ GALVANIZATION t = 0.0356 IN. MIN.	S _x (t) = 0.364 IN. ³ S _x (b) = 1.371 IN. ³ I _x = 0.863 IN. ⁴	A = 0.844 IN. ² S _x (t) = 0.418 IN. ³ S _x (b) = 1.412 IN. ³ I _x = 0.968 IN. ⁴
w/o GALVANIZATION t = 0.0329 IN. MIN. (0.035 IN. DESIGN)	S _x (t) = 0.330 IN. ³ S _x (b) = 0.306 IN. ³ I _x = 0.476 IN. ⁴ A _e = 0.259 IN. ²	



ASTM = A1011 SS
GRADE = 50
F_y = 50ksi
t = 0.129 IN. MIN.
(0.1345 IN. DESIGN)

BEAM DEPTH	18"
A (IN ²)	3.88
S _x MIN. (IN ³)	19.307
I _x MIN. (IN ⁴)	173.77

ASTM = A1011 SS
GRADE = 50
F_y = 50ksi
t = 0.129 IN. MIN.
(0.1345 IN. DESIGN)

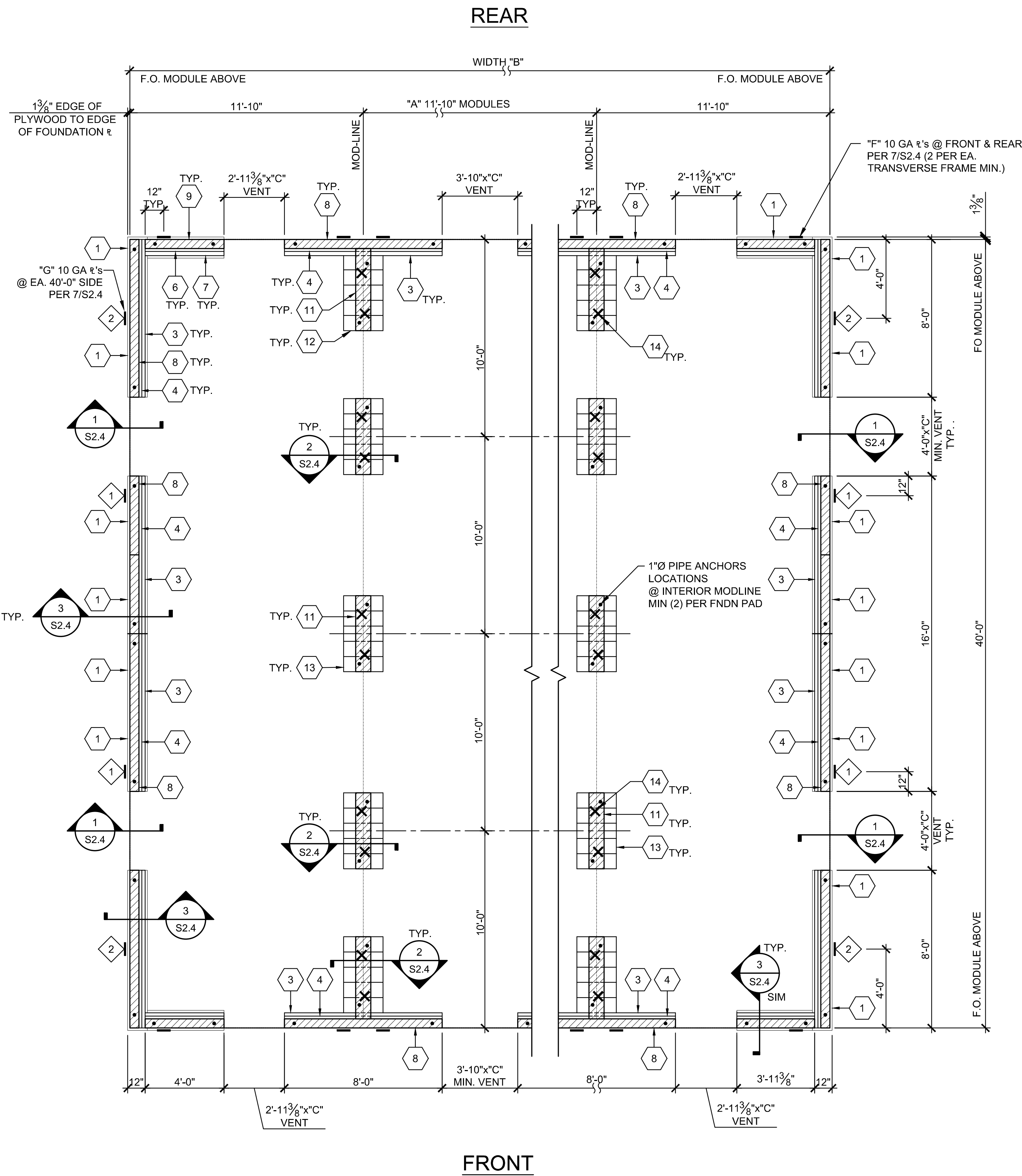
BEAM DEPTH	18"
A (IN ²)	3.88
S _x MIN. (IN ³)	19.307
I _x MIN. (IN ⁴)	173.77

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 SO.0 THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.
2. UNLESS NOTED OTHERWISE, ALL SECTION PROPERTIES ARE GROSS SECTION PROPERTIES.
3. LIGHT GAUGE STRUCTURAL MEMBERS TO BE FABRICATED FROM HOT ROLLED SHEETS WITH RUST INHIBITIVE COATING. SEE SHEET N2.0, "LIGHT GAUGE METAL STUDS & COLD FORMED STEEL". FOR ADDITIONAL INFORMATION.

NOT USED | 1 NOT USED | 2 NOT USED | 3 LIGHT GAUGE FLOOR JOIST PROPERTIES | 5

20 GA. GALVANIZED ROOF PAN PROPERTIES | 7 NOT USED | 8 LIGHT GAUGE ROOF PURLIN PROPERTIES | 10

LIGHT GAUGE ROOF BEAM PROPERTIES | 18 NOT USED | 19 SHEET NOTES



- 1 1/2" x 12" WIDE x 48" LONG PT STRUCTURAL PLYWOOD WITH FACE GRAIN IN SHORT DIRECTION (CDX PLYWOOD)
- 2 NOT USED
- 3 SINGLE PT 2 x 10 x 8'-0" LONG
- 4 SINGLE 2 x 8 x 8'-0" LONG
- 5 NOT USED
- 6 SINGLE 2 x 8 x 4'-0" LONG
- 7 SINGLE 2 x 10 x 4'-0" LONG
- 8 MULTIPLE 2 x 6 x 8'-0" LONG NAILER AS REQ'D FOR HEIGHT
- 9 MULTIPLE 2 x 6 x 4'-0" LONG NAILER AS REQ'D FOR HEIGHT
- 10 NOT USED
- 11 2 x 10 BLKG, SEE 2/S2.4
- 12 (5) 2x12x2'-0" PT ϵ OR (7) 2x10x2'-0" PT ϵ OR (8) 2x8x2'-0" PT ϵ , SEE 2/S2.4
- 13 (5) 2x12x2'-0" PT ϵ OR (6) 2x10x2'-0" PT ϵ OR (7) 2x8x2'-0" PT ϵ , SEE 2/S2.4
- 14 X LOCATION OF FLOOR BEAM ATTACHMENT TO ISOLATED PAD. REFER TO DETAIL 2/S2.4

KEY NOTES

ON SOIL:
 1"Ø STANDARD WEIGHT (1.315 ACTUAL O.D.) HOT DIPPED GALV. PIPE w/ 12" MIN. PENETRATION MEASURED VERTICALLY BELOW SOIL SURFACE @ 10'-0" O.C., MIN. 2 EA. 2x ϵ . DRILL SILL 1 1/2"Ø MAX. PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.

ON A/C PAVING:
 1"Ø STANDARD WEIGHT (1.315 ACTUAL O.C.) HOT DIPPED GALV. PIPE w/ 12" MIN. PENETRATION MEASURED VERTICALLY BELOW PAVING SURFACE @ 10'-0" O.C., MIN. 2 EA. 2x ϵ . DRILL SILL 1 1/2"Ø MAX.

ON CONC PAVING:
 1"Ø STANDARD WEIGHT (1.315 ACTUAL O.D.) HOT DIPPED GALV. PIPE w/ 12" MIN. PENETRATION MEASURED VERTICALLY BELOW PAVING SURFACE @ 10'-0" O.C., MIN. 2 EA. 2x ϵ . DRILL SILL 1 1/2"Ø MAX. ALT. SIMPSON SS (STAINLESS STEEL) STRONG-BOLT 2'S THRU SILL ϵ w/ MIN. CONC. EMBEDMENT PER SCHEDULE BELOW (PROVIDE A MINIMUM OF 2 BOLTS AT 2x PLATE LESS THAN 5'-0" AND 4 BOLTS AT 2x PLATE LARGER THAN 5'-0"). ANCHOR BOLTS SHALL BE CENTERED ON THE 2x PLATES AND LOCATED NO CLOSER THAN 4" FROM THE END OF THE PLATES.

SIMPSON SS STRONG-BOLT 2 O.C. SPACING SCHEDULE (IN.)			
BUILDING SIZE	MAX. LONGITUDINAL SPACING @ 40' SIDEWALLS	MAX. LONGITUDINAL SPACING @ MODLINES	MAX. TRANSVERSE SPACING
<input type="checkbox"/> 24'x40'	80	24	23
<input type="checkbox"/> 36'x40'	78	23	21
<input checked="" type="checkbox"/> 48'x40'	80	23	25

ANCHOR TYPE	SIMPSON SS STRONG-BOLT 2 ICC ESR-3037
ANCHOR SIZE (IN.)	1/2"Ø
MIN. CONC. THICKNESS (IN.)	4 1/2"
MIN. NOMINAL EMBED (IN.)	2 3/4"
MIN. HOLE DEPTH (IN.)	3"
MIN. CONC. EDGE DISTANCE - ANY DIRECTION (IN.)	6 1/2"
INSTALLATION TORQUE (FT-LB)	65

1. TORQUE TEST PER CBC 1910A.5 TORQUE TEST - MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE AS APPROVED IN AN ICC-ESR PER C.B.C 1910A.5

WOOD FOUNDATION PLAN (PLYWOOD FLOOR) 50 P.S.F LIVE LOAD + 15 PSF PARTITION LOAD

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

SILL RESTRAINT

- TOP OF WOOD PADS TO BE LEVEL.
- DO NOT INSTALL BUILDINGS IN AREAS OF WATER LINES.
- SITE TO BE GRADED TO PREVENT WATER PONDING BENEATH THE STRUCTURE.
- FOUNDATION WOOD TO BE CUT PERPENDICULAR TO THE FACE GRAIN.
- PER THE CONTRACT OF THIS PROJECT, THE BUILDING PAD MUST BE A MINIMUM OF 36"-0" FRONT TO REAR, BUILDING WIDTH PLUS 6"-0" SIDE TO SIDE AND SHALL NOT EXCEED 6" OUT OF LEVEL IN ANY DIRECTION.
- PROJECT ARCHITECT SHOULD VERIFY THE NET AREA OF THE VENT COVER BE EQUAL TO OR LARGER THAN THE VENT AREA REQUIRED SHOWN ON THE TABLE.
- VENT NET AREA REQUIRED (NFA) IS BASED ON A 1:150 VENTILATION RATIO OF THE NOMINAL BUILDING FLOOR AREA. VENT NFA PROVIDED IS THE ACTUAL VENT GROSS OPEN AREA WITH A MINIMUM REDUCTION PERCENTAGE OF 73% DUE TO THE VENT COVER.

FOUNDATIONS:
 ALL FOUNDATION MATERIALS IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED OR REDWOOD EXCEPT SHIMS MAY BE REDWOOD, HEM FIR OR CEDAR. PRESSURE TREATED DOUGLAS FIR, HEM FIR, PLYWOOD ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING: "THE MATERIAL IN THIS UNIT WAS TREATED PER 2019 CALIFORNIA BUILDING CODE. ALL MATERIAL FOR USE IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT" (U1 & T1). ALL MATERIAL NOT USED IN GROUND CONTACT SHALL BE HF#2 OR DF#2 "FOR ABOVE GROUND USE." THE IN-PLANT INSPECTOR SHALL VERIFY THAT ALL PRESSURE TREATED FOUNDATION MATERIAL IS CUT FROM AWP/PA STAMPED STOCK AND THAT ALL CUTS AND HOLES ARE RETREATED PER SPECIFICATIONS. U1 AND T1 MATERIAL SHALL BE BANDED SEPARATELY FOR SHIPMENT TO THE JOB SITE. THE IN-PLANT INSPECTOR'S VERIFICATION OF EACH BANDED UNIT SHALL BE ATTACHED TO THE MATERIAL. CONCRETE OR CONCRETE BLOCK FOUNDATIONS ARE NOT ALLOWED. THE FOOTING DESIGN SHALL PROVIDE FOR SHIMS AND BLOCKS NECESSARY TO PERMIT INSTALLATION ON SITES NOT LEVEL, BUT WITHIN TOLERANCE ALLOWED. INSTALLATION SHALL BE PERMITTED ON EITHER SOIL, CONCRETE OR A/C PAVING, HAVING SUITABLE DESIGN BEARING CAPACITY. THE BUILDINGS SHALL BE SECURELY FASTENED TO THE FOUNDATIONS. THE FOUNDATIONS AND THE METHOD OF FASTENING SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND DSA. PADS SHALL BE DESIGNED FOR A MAXIMUM OF 1000 PSF LOAD ON THE SOIL. PADS SHALL NOT BE PLACED ON TURF.

A VAPOR RETARDING MOISTURE BARRIER SHALL BE INSTALLED UNDER THE FLOOR WHEN THE BUILDING IS INSTALLED LESS THAN 12" ABOVE THE SOIL. A BARRIER IS NOT REQUIRED AT HEIGHT IF THE BUILDING IS INSTALLED OVER CONCRETE (INCLUDING A RAT SLAB) OR A/C/ PAVING.

BUILDING SIZE (FT)	TOTAL # OF 12" WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL FOUNDATION WIDTH	TOTAL FLOOR AREA (FT ²)	NET FREE VENT AREA REQ'D (FT ²)	"C" MINIMUM HT OF VENTS (IN)	NET FREE VENT AREA PROVIDED @ 0.73 CLR COVERAGE PER SHEET NOTES (FT ²)	"D" GALV. NAIL O.C. SPACING (IN) (40" WALLS) SEE 3/S2.4	"E" GALV. NAIL O.C. SPACING (IN) ("B" WALLS) SEE 3/S2.4	"F" # OF 10 GA. SHEAR ϵ 'S @ FRONT & REAR SEE 3/S2.4	"G" # OF 10 GA. SHEAR ϵ 'S @ SIDES (40" WALLS) SEE 3 & 7/S2.4	"H" EDGE NAIL (EN) SPACING (IN) (40" WALLS) SEE 3/S2.4		"I" # OF ALT. SHEAR ϵ 'S @ "B" WALLS (2 PER MOD MIN.) SEE 5/S2.4	"L" GALV. NAIL O.C. SPACING (IN) (MODLINES) SEE 2/S2.4
												# OF ϵ 'S	ϵ LOCATIONS		
<input type="checkbox"/> 24'x40'	2	0	23'-8"	960	6.4	4.5	7.6	12	6	4/SIDE	4/SIDE	1	2	5/SIDE	9
<input type="checkbox"/> 36'x40'	3	1	35'-6"	1440	9.6	4.5	9.7	12	6	6/SIDE	4/SIDE	1	2	7/SIDE	9
<input type="checkbox"/> 48'x40'	4	2	47'-4"	1920	12.8	6.0	15.7	12	8	8/SIDE	4/SIDE	1	2	9/SIDE	9

MODULE SCHEDULE - 48' x 40' MAX

SHEET NOTES

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 BUILDING, MODULAR OR OTHER STRUCTURE, WITHOUT THE WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE PERMITTED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
24' x 40' THRU 48' x 40' (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 .
 .
 .

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119285 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSURE ARCHITECT
 PATRICK C. HUNTER
 No. C12631
 Ren. 3-31-23
 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL
 MARY D. FRENCH
 No. 3380
 STATE OF CALIFORNIA

08/06/2021

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

REVISIONS

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21

SHEET TITLE:
**WOOD FOUNDATION PLAN
 50 PSF LIVE LOAD + 15 PSF
 PARTITION LOAD**

SHEET NUMBER:
S2.1 N

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022



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 DRAWINGS, SPECIFICATIONS, 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 MARKING OF ANY BUILDING, MODULAR OR OTHER STRUCTURE. SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR 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
24' x 40' THRU 48' x 40' (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 .
 .
 .

~~IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119285 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021~~

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENCED ARCHITECT
 PATRICK C. HONG
 No. C12631
 Ren. 3-31-23
 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
 MARY D. FRENCH
 No. 3380
 Ren. 3-31-23
 STATE OF CALIFORNIA

08/06/2021

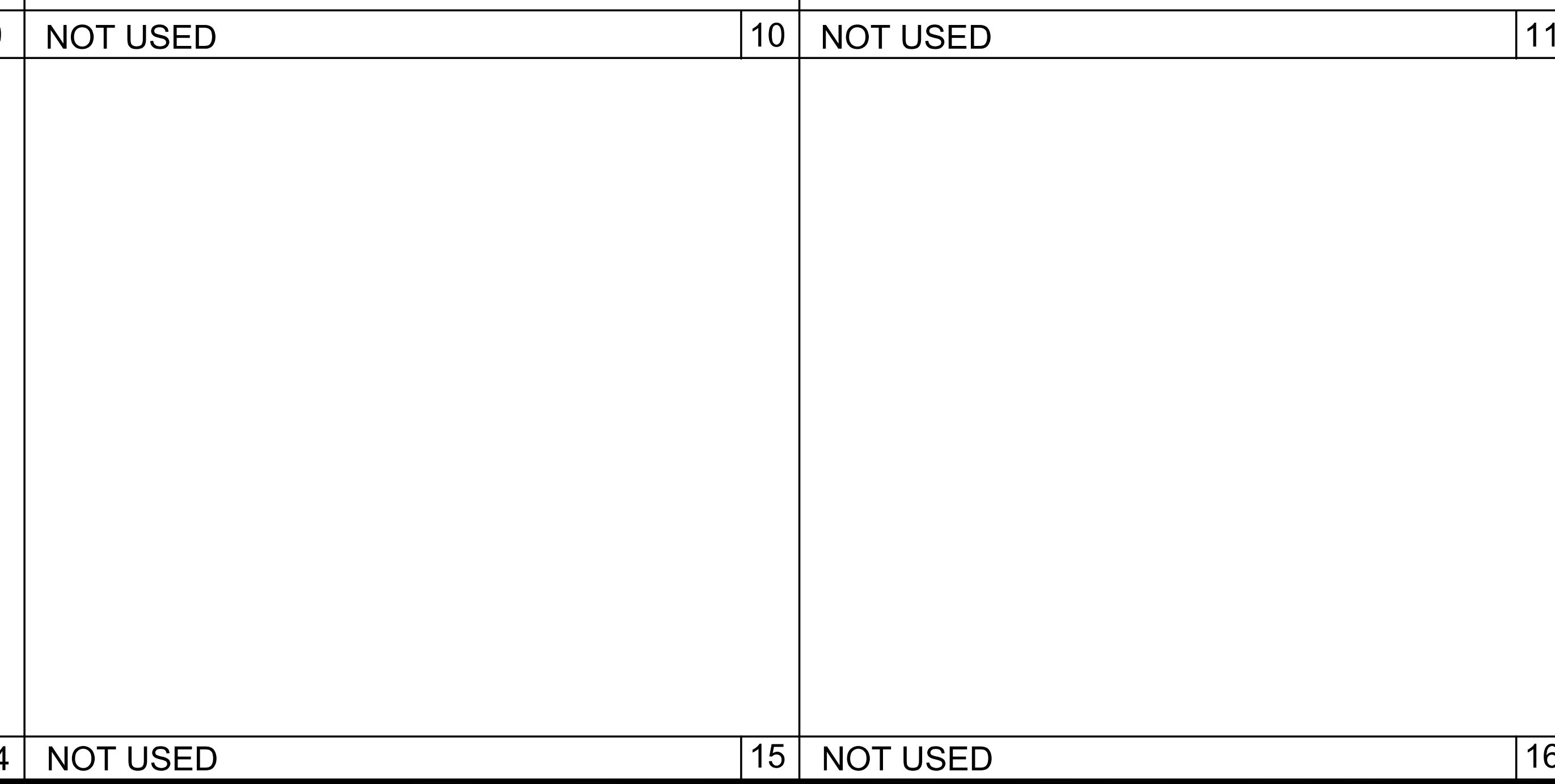
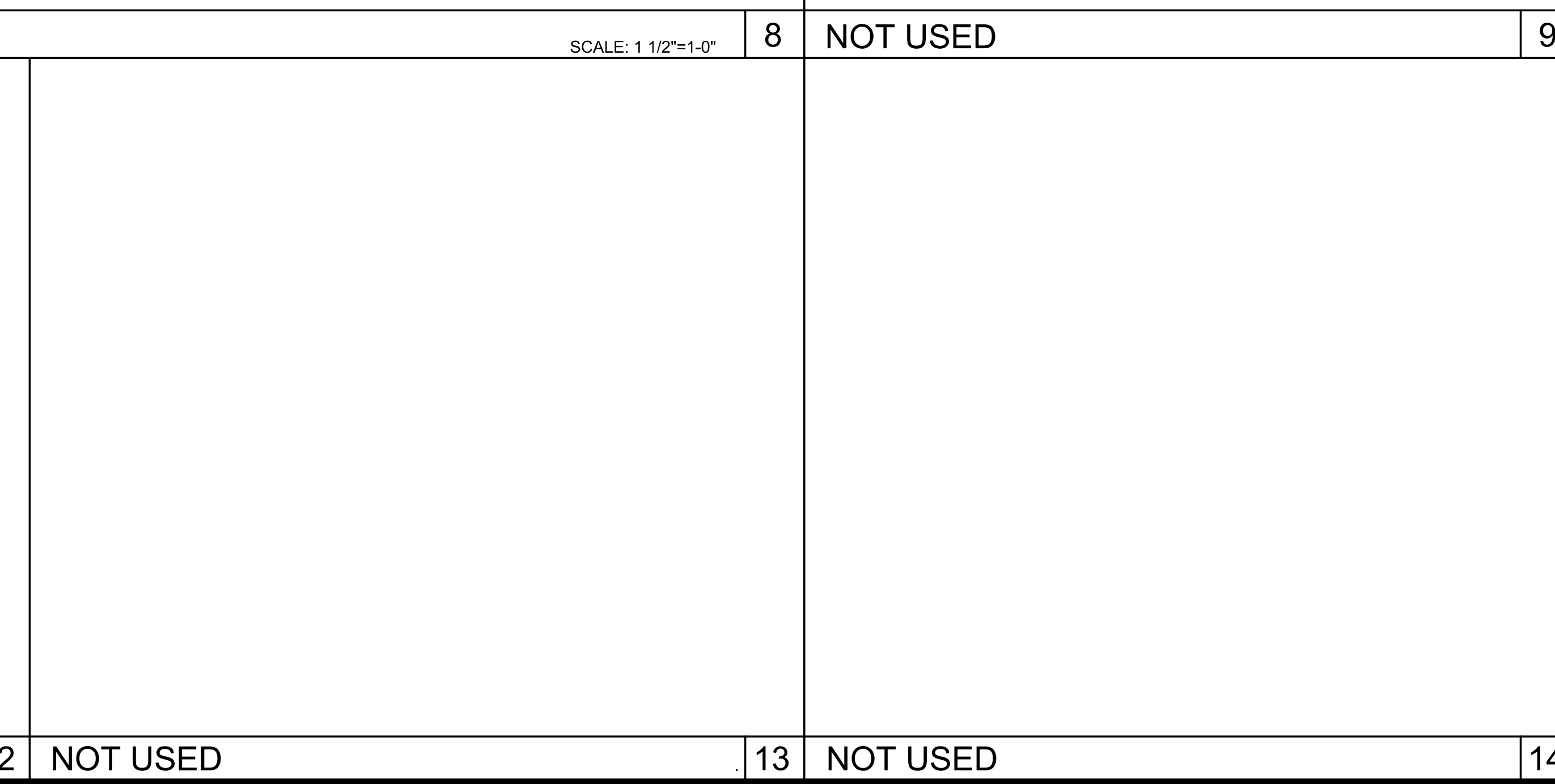
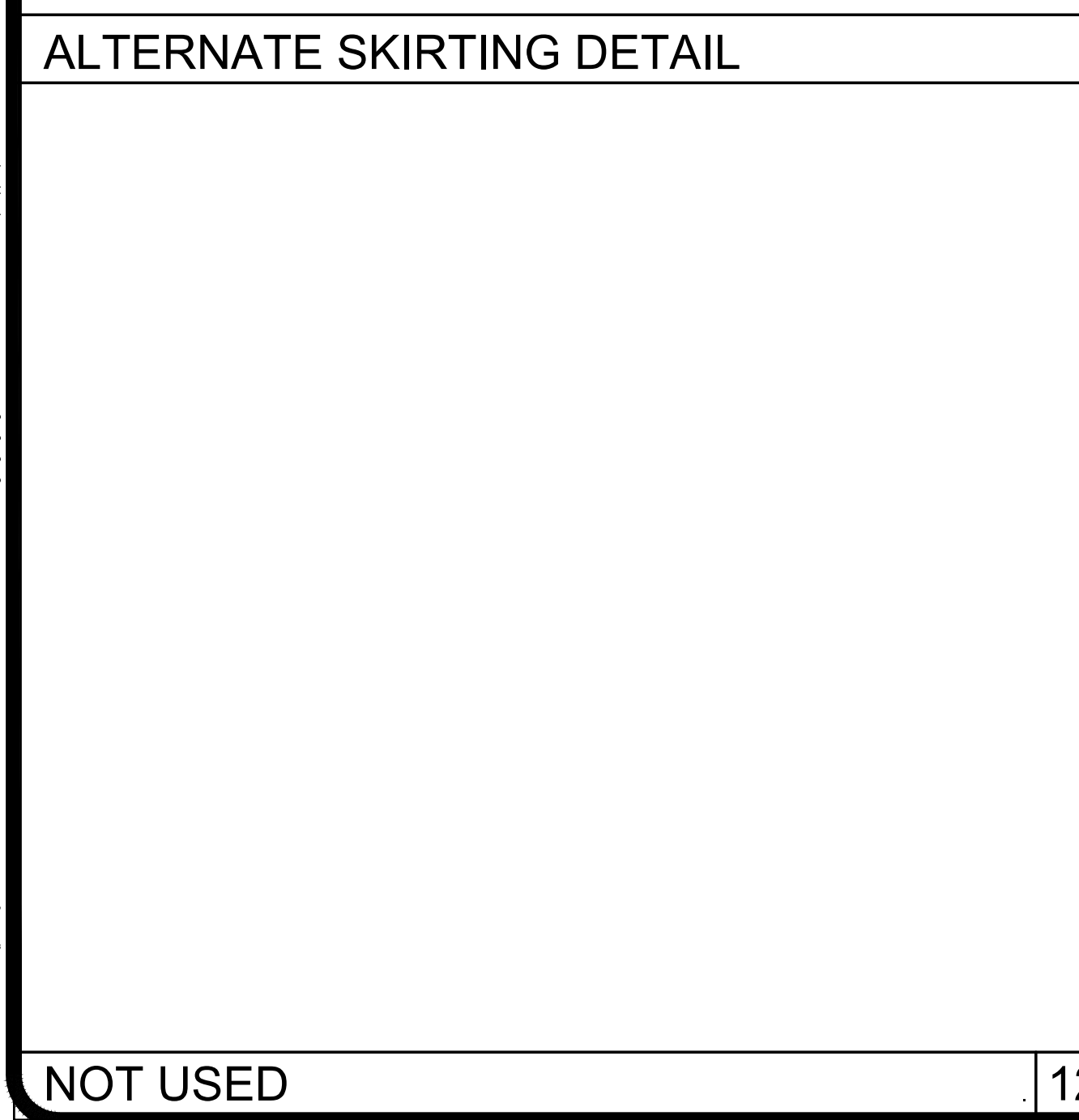
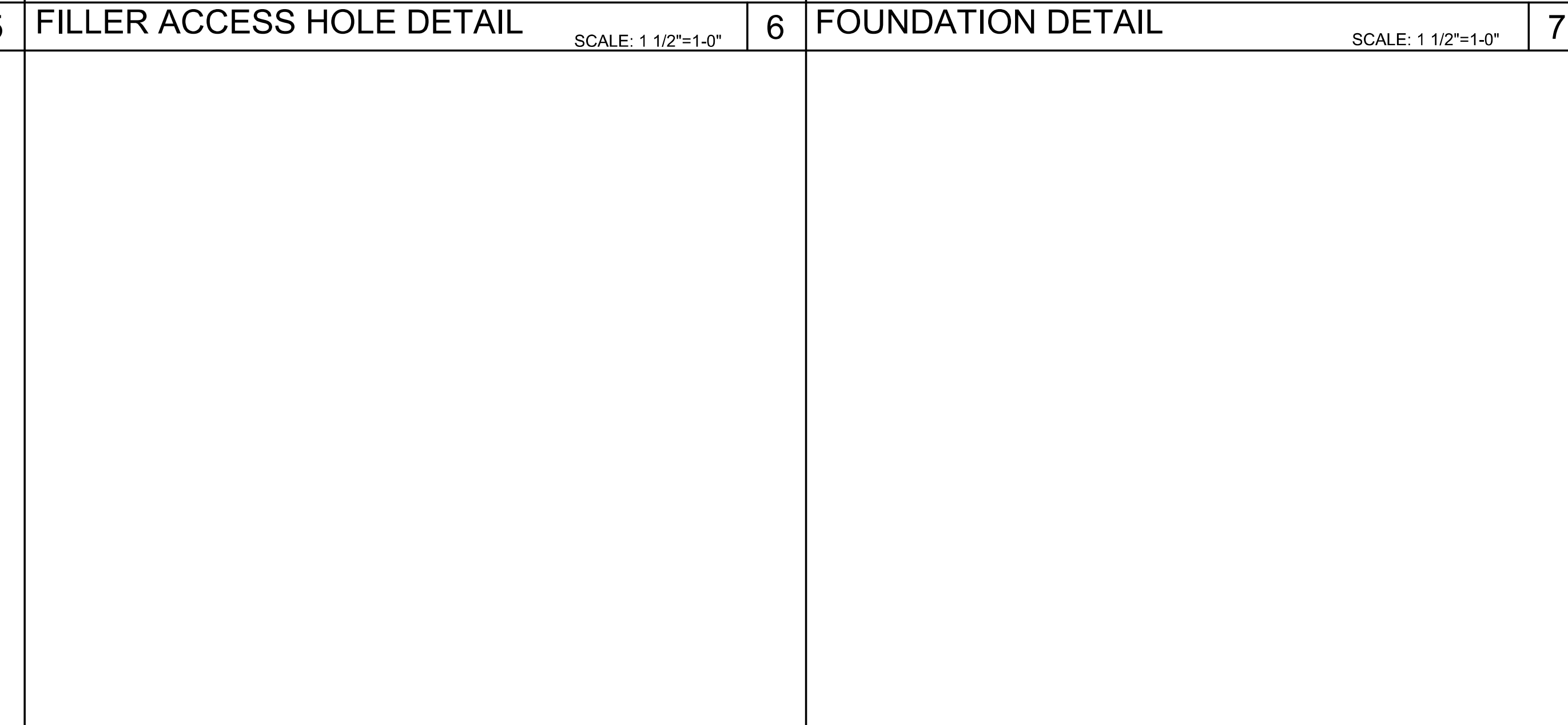
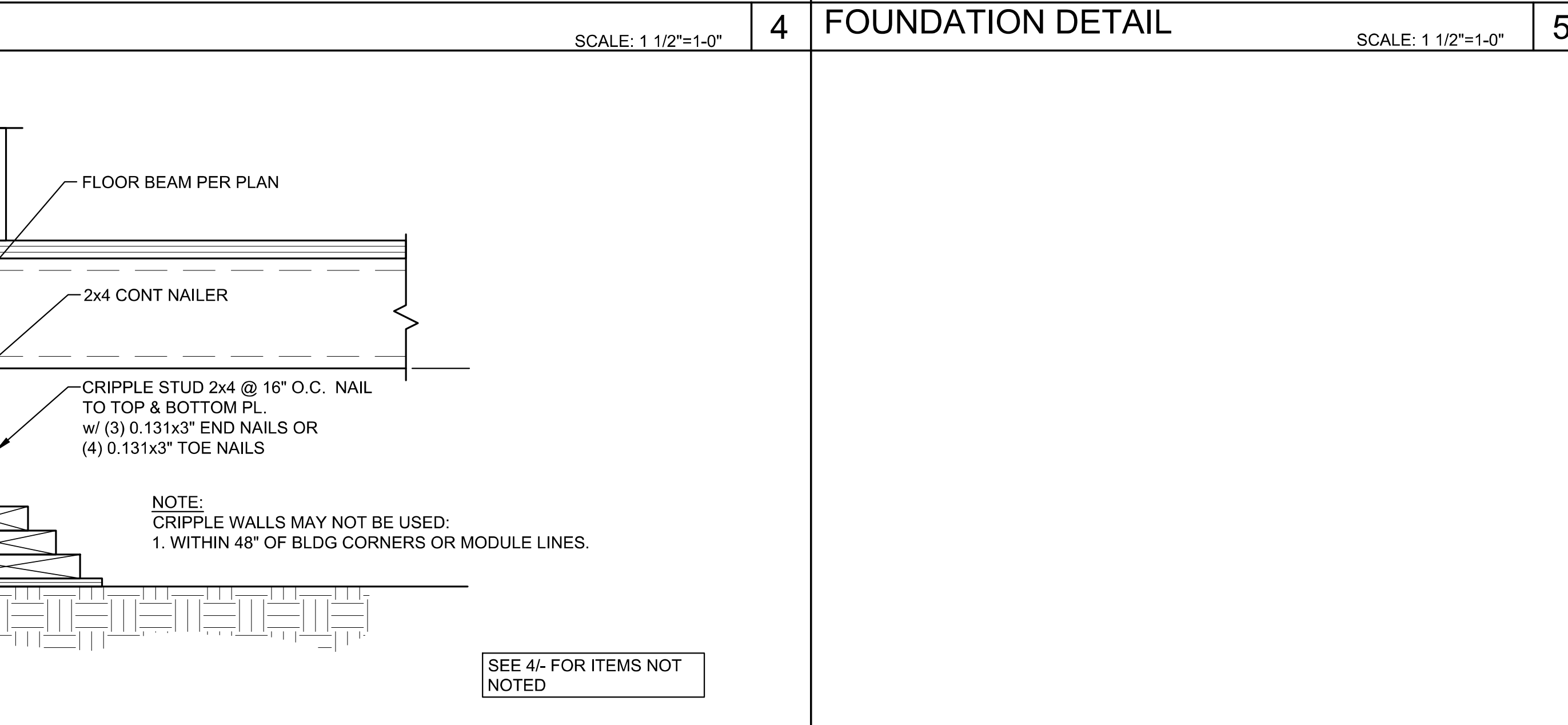
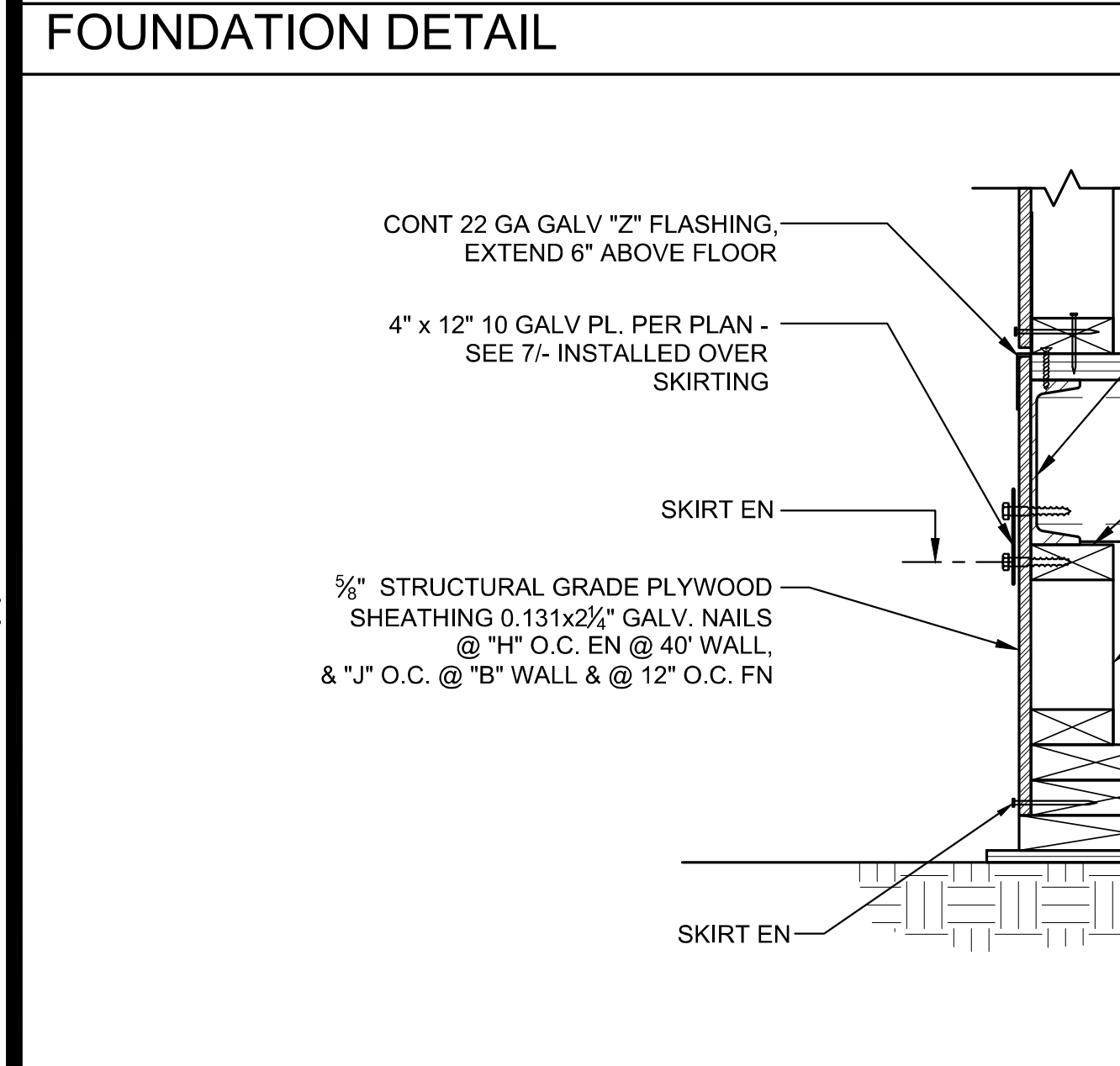
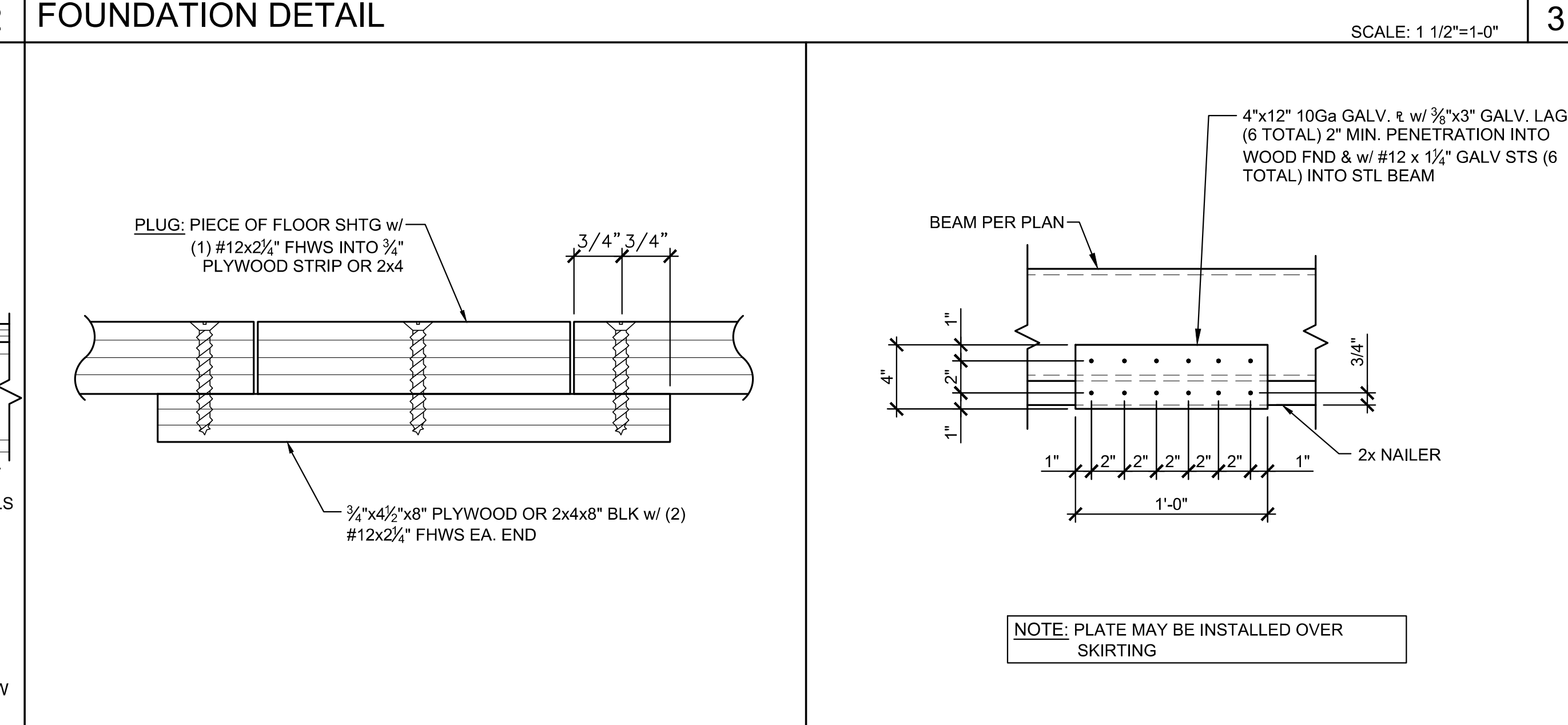
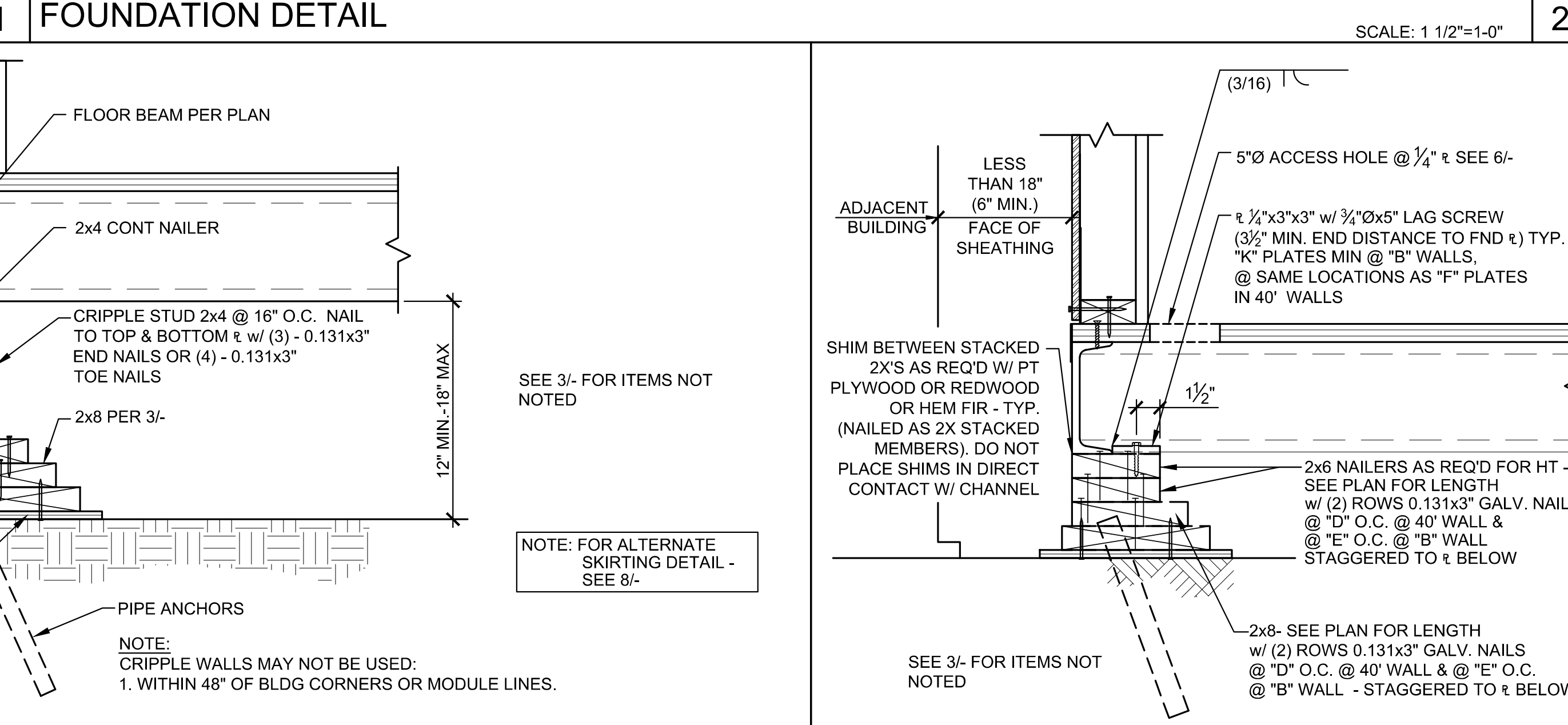
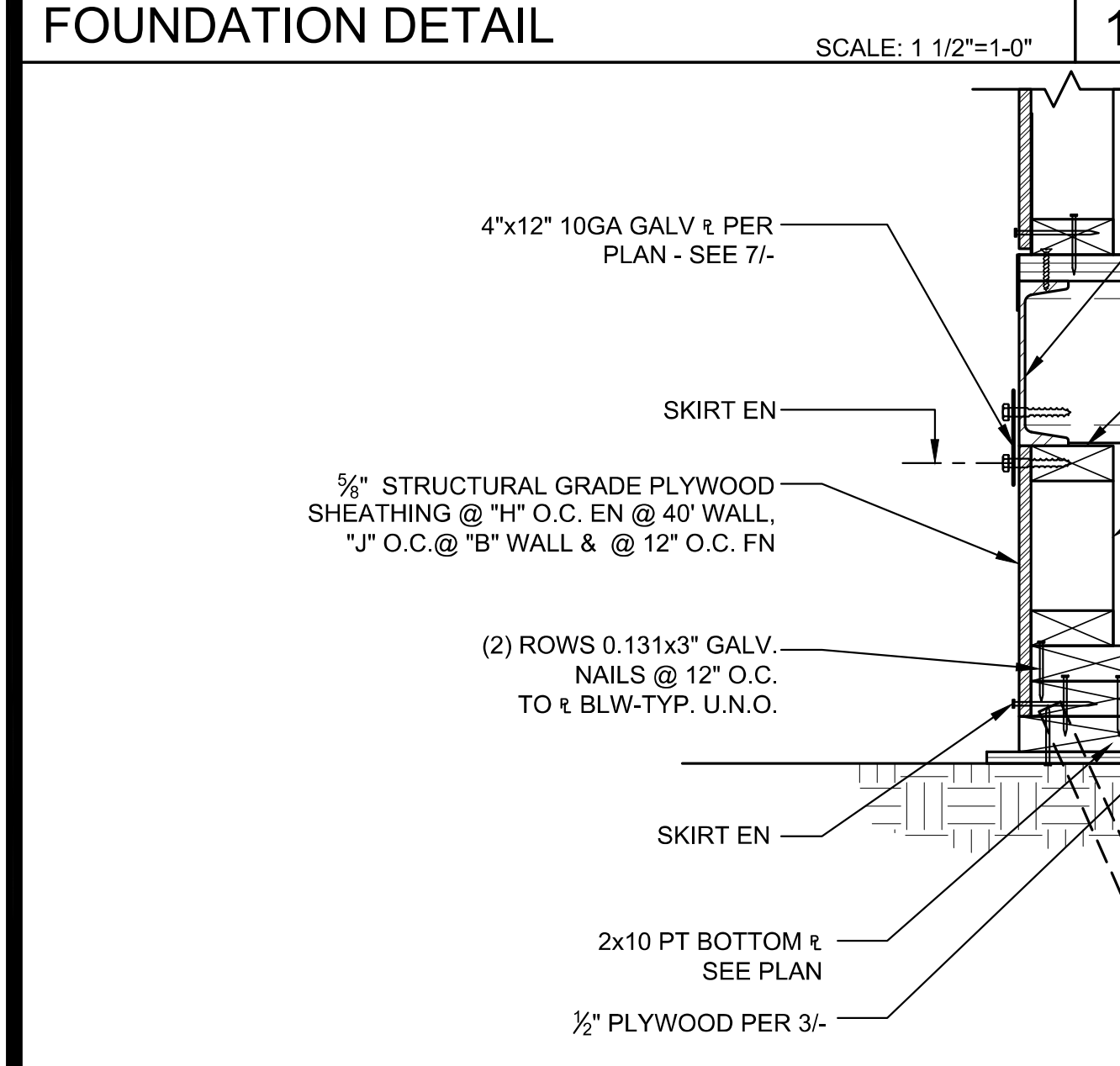
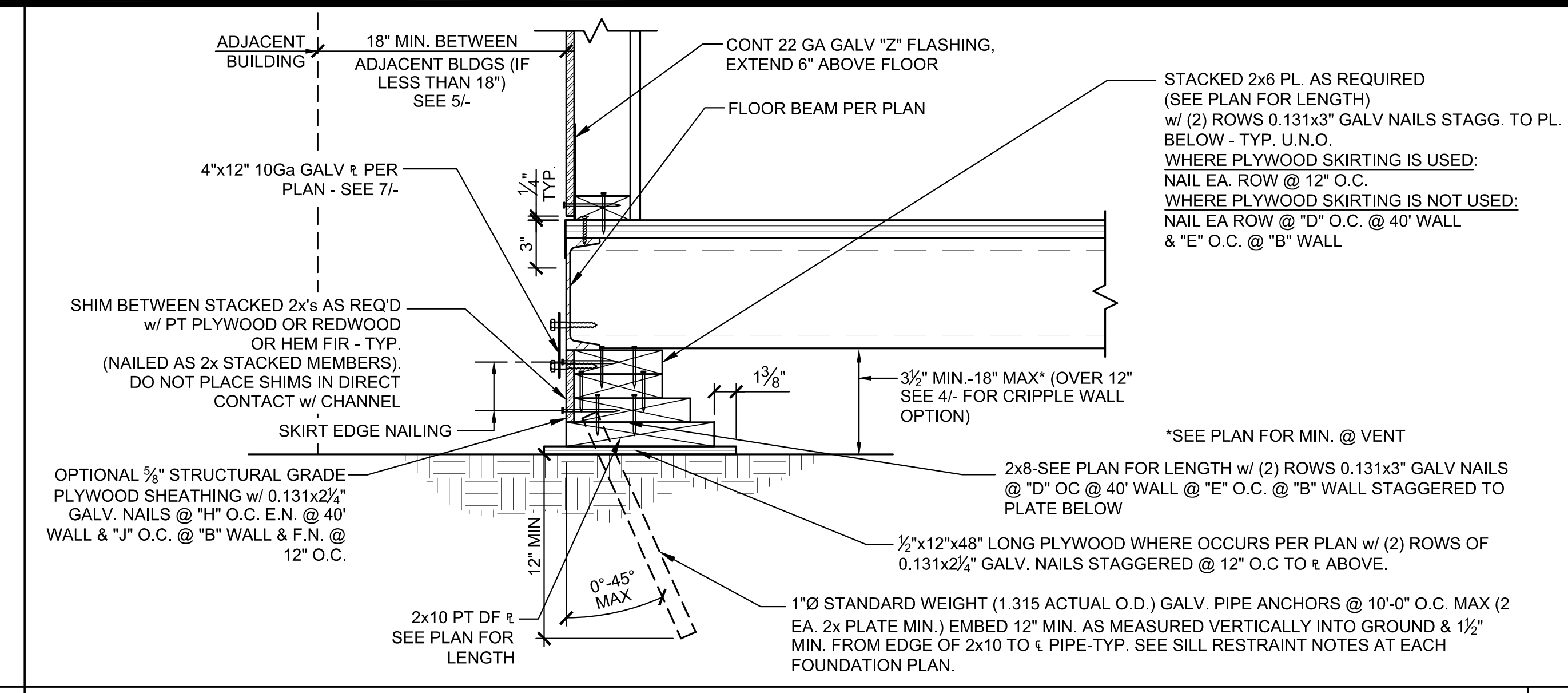
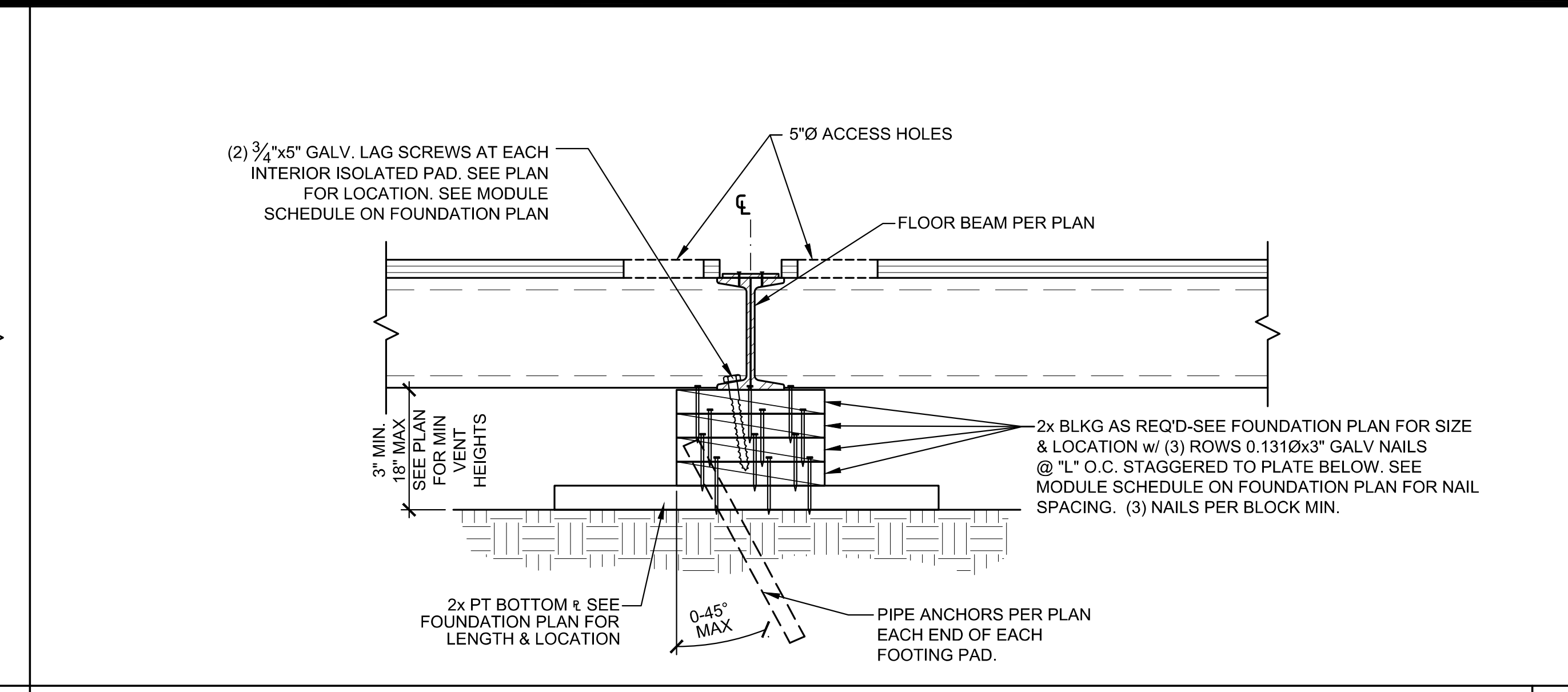
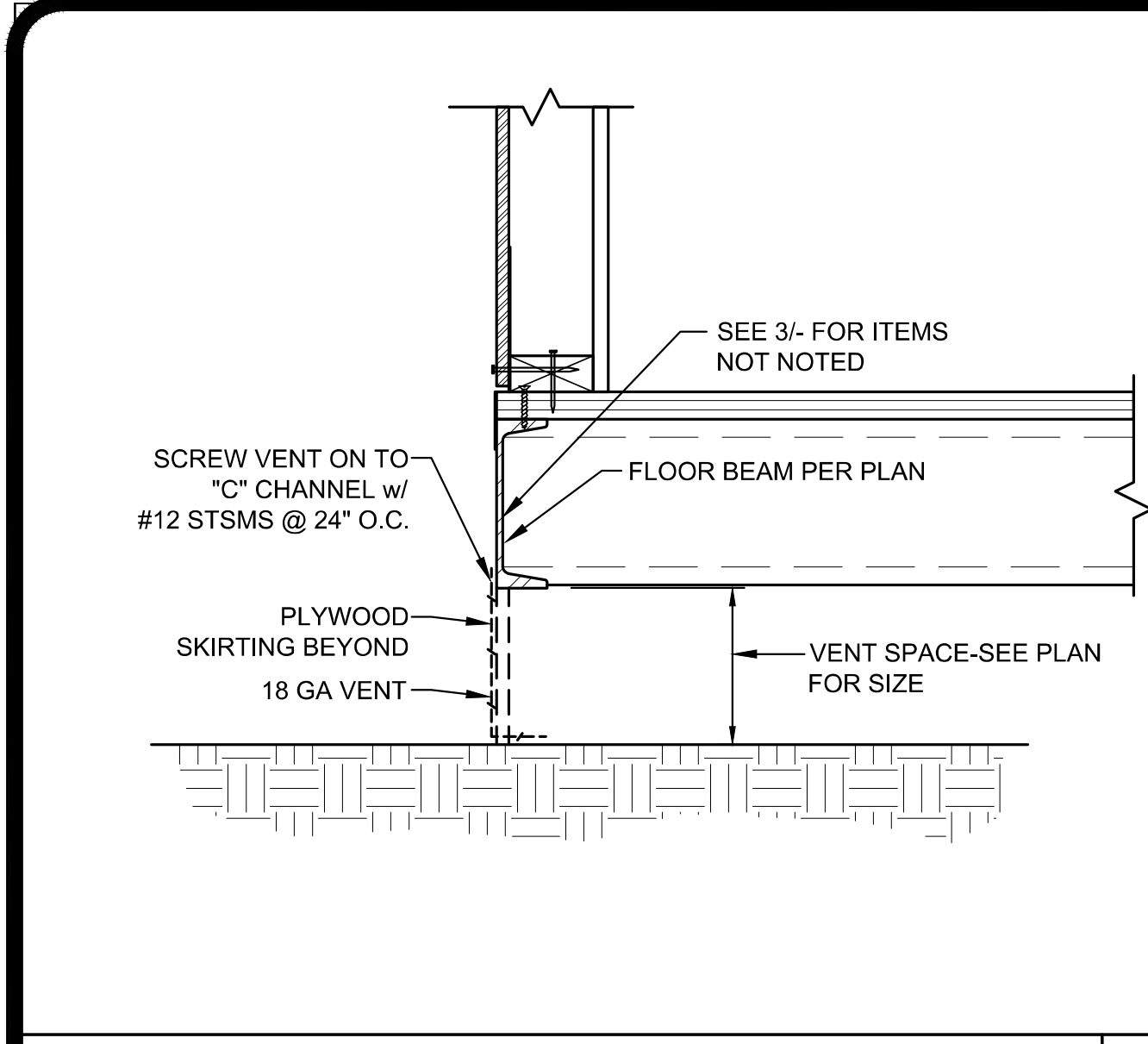
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

REVISIONS

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21
 SHEET TITLE:

WOOD FOUNDATION DETAILS

SHEET NUMBER:
S2.4 N



NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

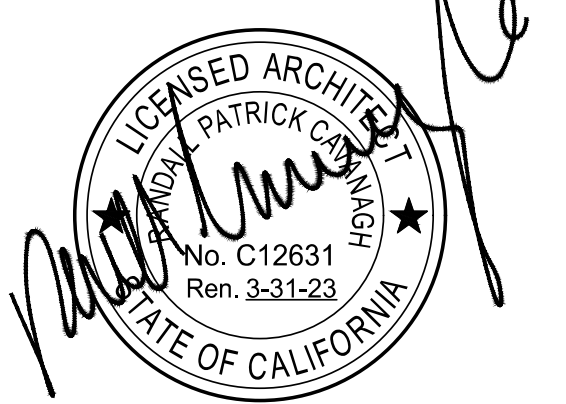

AMS
 American Modular Systems
 787 Spreckels Ave., Manteca, CA 95336
 Phone (209) 825-1921 Fax (209) 825-7018
 www.americanmodular.com

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 DRAWINGS, SPECIFICATIONS 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 MARKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF, ANY BUILDING, MODULAR OR OTHER STRUCTURE, WITHOUT THE WRITTEN PERMISSION OF AMS. APPARATUS OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR BY A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSIDERED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 .
 .
 .

~~IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119283-PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021~~

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
 MANUFACTURER PROFESSIONAL OF RECORD ON PC


 08/06/2021

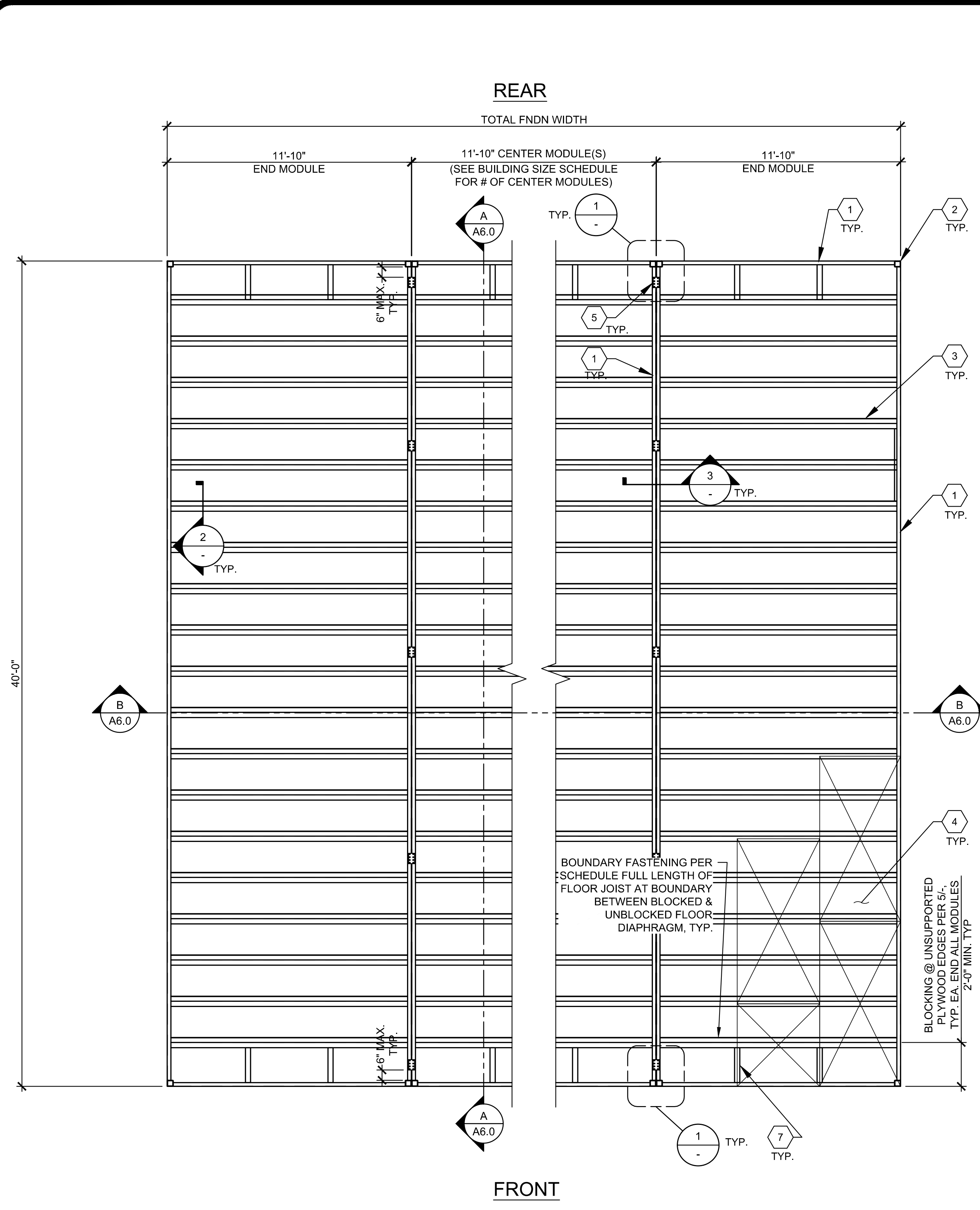
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

REVISIONS

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21

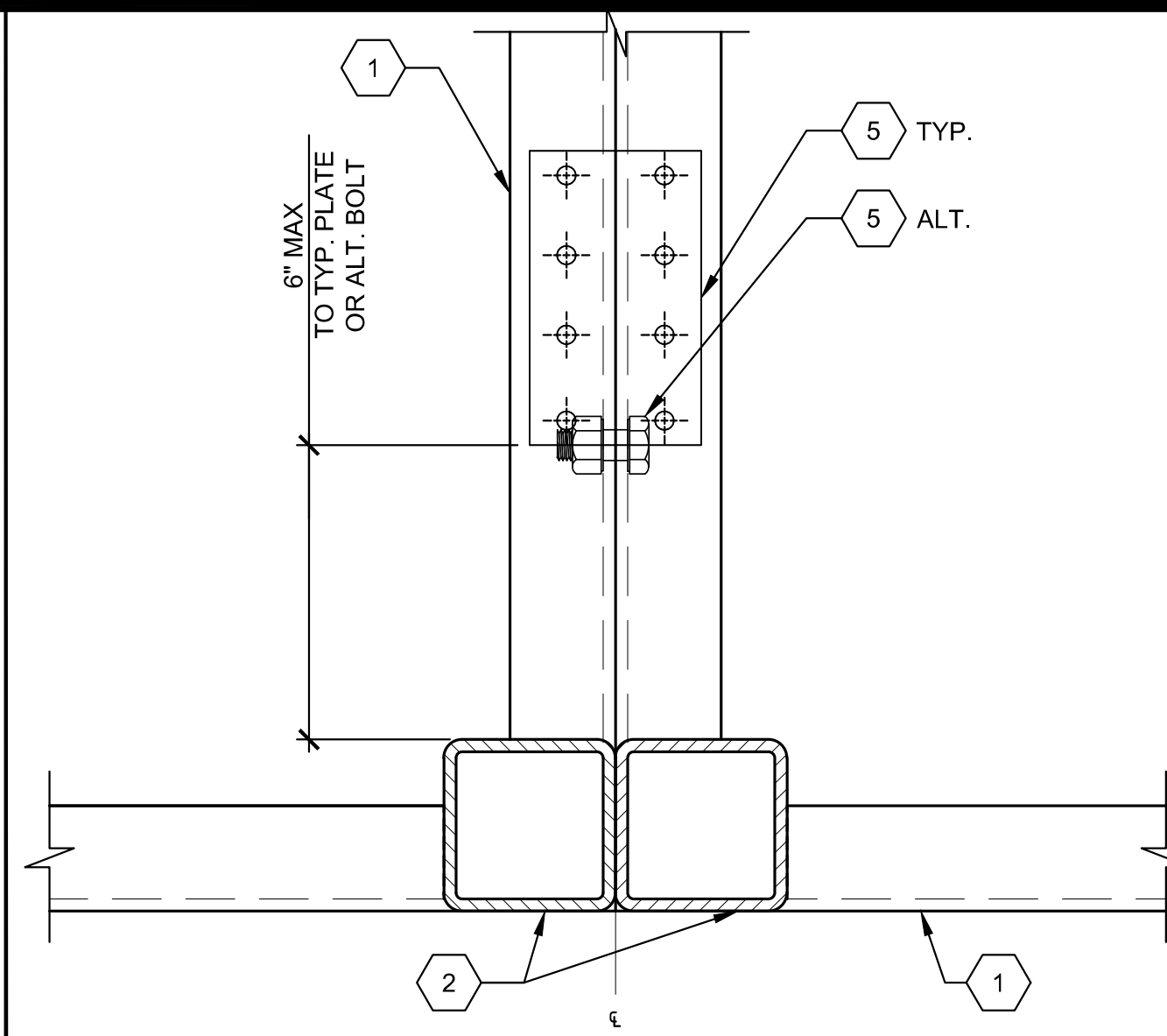
SHEET TITLE:
FLOOR FRAMING PLAN & DETAILS FOR PLYWOOD FLOOR

SHEET NUMBER:
S3.0_N

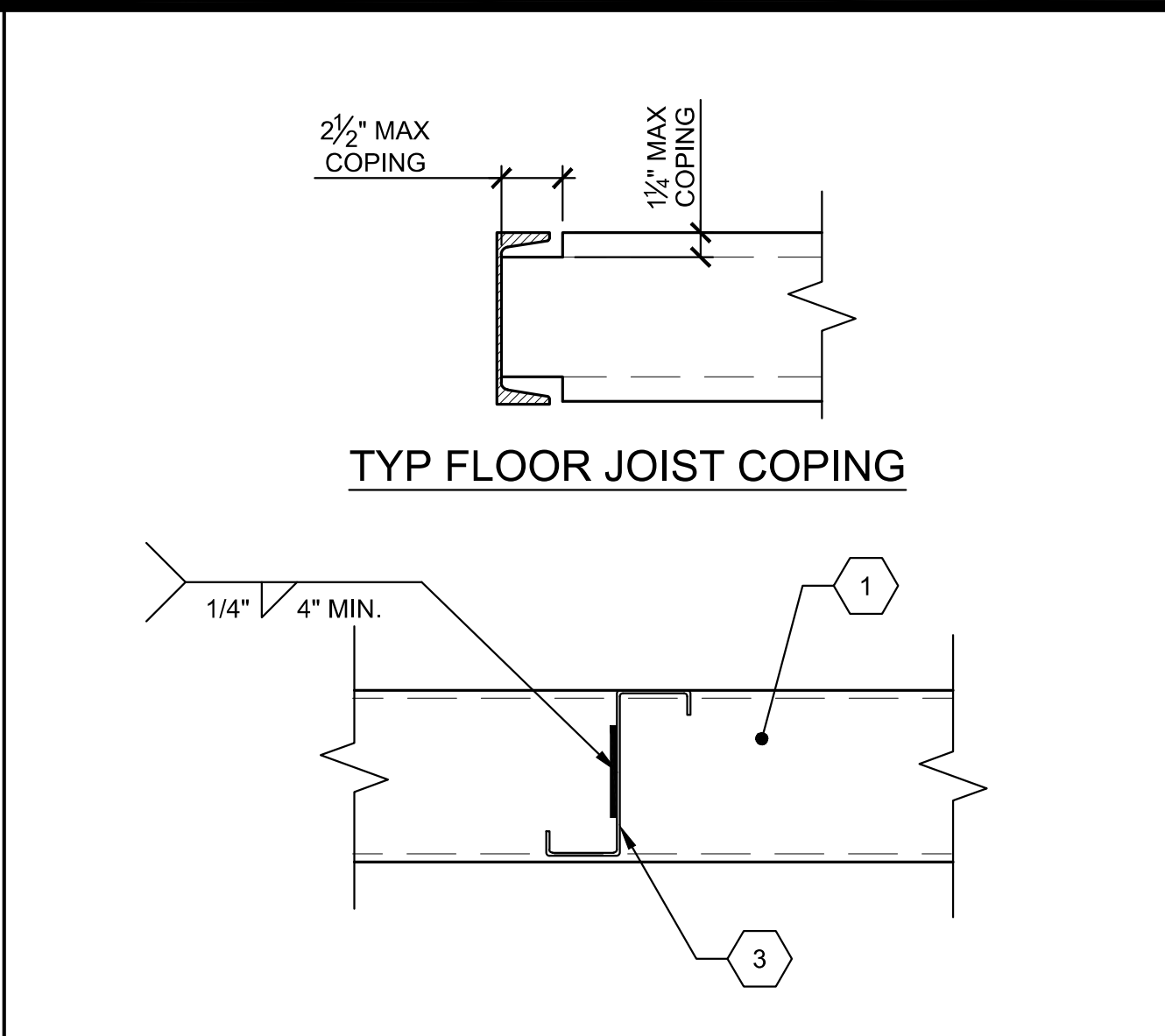


FLOOR JOIST SCHEDULE		
LIVE LOAD PSF	14 GA. JOIST	12 GA. JOIST
<input type="checkbox"/> 50 PSF	24" O.C.	24" O.C.
<input checked="" type="checkbox"/> 50+15 PSF	24" O.C.	24" O.C.
<input type="checkbox"/> 100 PSF	24" O.C.	24" O.C.

NOTE: FOR SECTION PROPERTIES - SEE S0.0



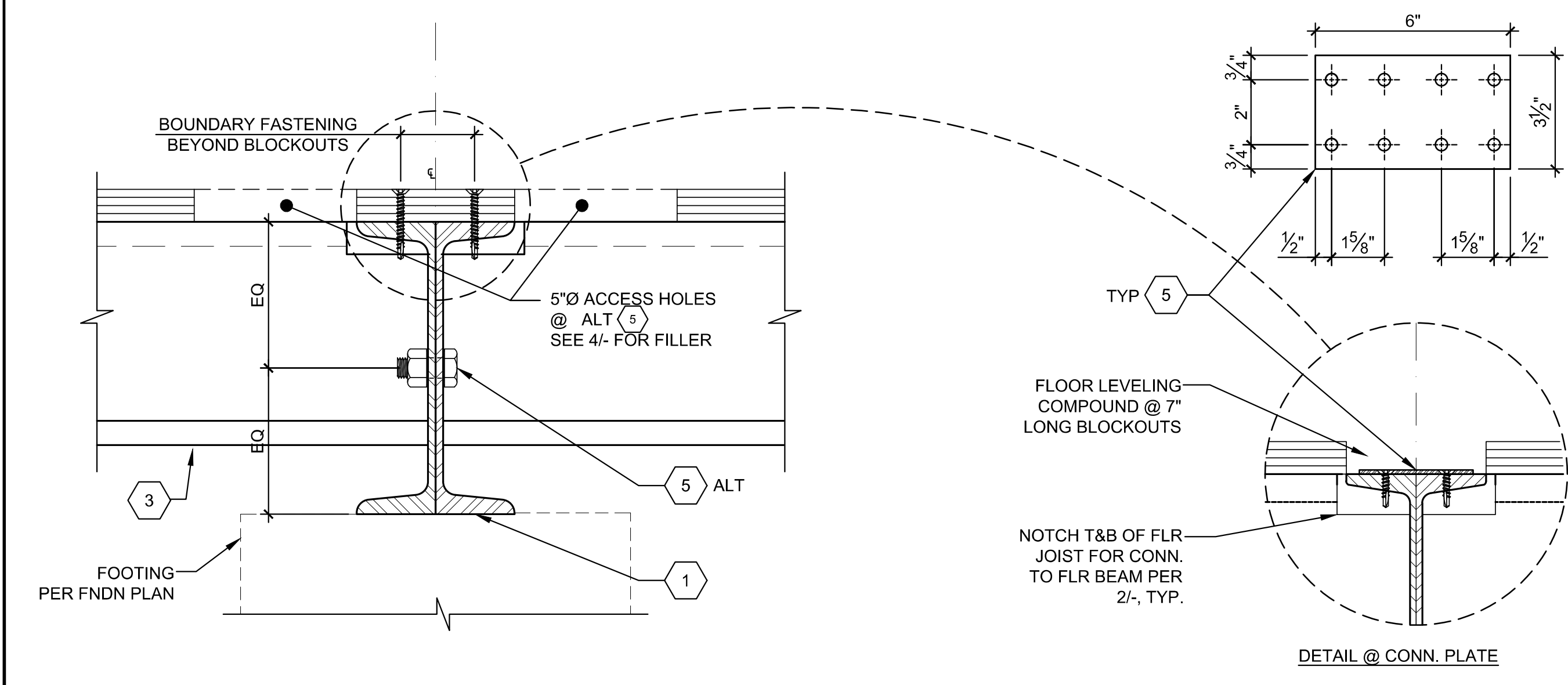
TYP. FLOOR BEAMS CONNECTION SCALE: 3" = 1'-0"



TYP. JOIST ATTACHMENT TO BEAM SCALE: 3" = 1'-0"

- FLOOR BEAM PER SHEET S5.0. USE SINGLE SIZE CHANNEL THROUGHOUT FLOOR SYSTEM.
- HSS COLUMN PER SHEET S5.0
- FLOOR JOIST - SEE SCHEDULE
- 1 1/2" T&G PLYWOOD FLOOR SHTG STURD-FLOOR 48" O.C. SPAN RATING EXP. 1 CONFORMING TO PS 1-09. 2 SPANS MIN. OPTION: UNIFLOOR BY PITTSBURGH TESTING LAB CONFORMING TO PS 1-09. STAGGER SHEETS 48" O.C. AS SHOWN W/ FACE GRAIN PERPENDICULAR TO FLOOR JOISTS. FASTEN PER SCHEDULES.
- PLATE 1/2"x3/2"x6" @ 10'-0" O.C. MAX W/ (8) #12x1" SDSTS; SEE DETAIL 3A. ALTERNATE: 1/2"x1 1/2" MB @ 10'-0" O.C. MAX AND 6" MAX FROM EACH END OF MODULE. BOLT Ø 1/4" MAX HOLE THRU CHANNELS. SEE DETAIL 3A.
- NOT USED
- 2 3/4"x2 3/4"x 14Ga. BLOCKING ANGLE PER DETAIL 5c. AT UNSUPPORTED PLYWOOD EDGES WHERE SPECIFIED ON THE FLOOR FRAMING PLAN.

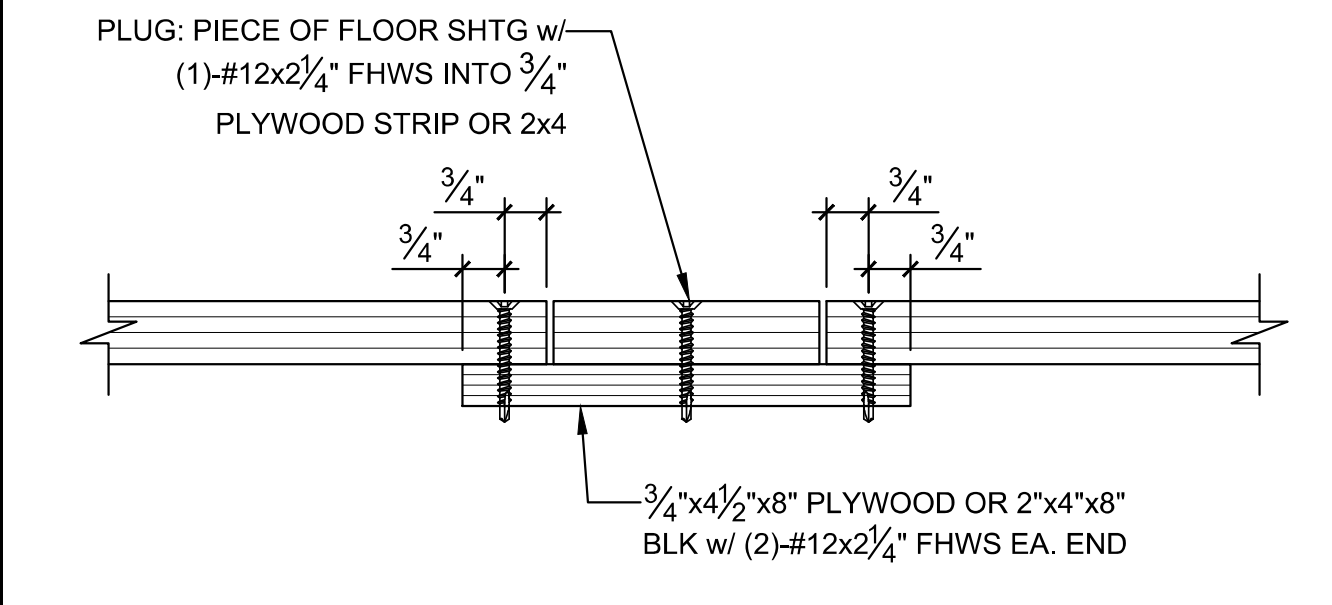
KEY NOTES



TYP. BEAM TO BEAM CONNECTION SCALE: 3" = 1'-0"

- NOT USED
- 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 GAUGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.
- SDSTS PER ASTM C1513.
- ET&F PINS PER IAPMO REPORT ER-335

GENERAL NOTES



TYP. ACCESS HOLE FILLER SCALE: 3" = 1'-0"

FRAMING PLAN (PLYWOOD FLOOR) SCALE: 1/4" = 1'-0"

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL FNDN WIDTH
<input type="checkbox"/> 24'x40'	2	0	23'-8"
<input type="checkbox"/> 36'x40'	3	1	35'-6"
<input checked="" type="checkbox"/> 48'x40'	4	2	47'-4"

TYP. FASTENER SPACING SCHEDULE		
BOUNDARY FASTENING*	EDGE FASTENING	FIELD FASTENING
#10 OR #12x2 1/4" SDSTS	0.144"Øx2" ET&F PINS	0.144"Øx2" ET&F PINS
6" O.C.	6" O.C.	12" O.C.

*BOUNDARY FASTENING IS APPLIED TO PERIMETER OF ALL MODULES ALONG FRAME LINES
 NOTE: SCHEDULE APPLIES TO ALL FLOOR LIVE LOADS

NOT USED

ALT. FASTENER SPACING SCHEDULE		
BOUNDARY FASTENING*	EDGE FASTENING	FIELD FASTENING
#10 OR #12x2 1/4" SDSTS	#10 OR #12x2 1/4" SDSTS	#10 OR #12x2 1/4" SDSTS
6" O.C.	6" O.C.	12" O.C.

*BOUNDARY FASTENING IS APPLIED TO PERIMETER OF ALL MODULES ALONG FRAME LINES
 NOTE: SCHEDULE APPLIES TO ALL FLOOR LIVE LOADS

OPTIONAL BLOCKING ANGLE ATTACHMENT SCALE: 3" = 1'-0"



NOT USED

BUILDING SIZE SCHEDULE

TYPICAL FASTENER SPACING SCHEDULE

ALTERNATE FASTENER SPACING SCHEDULE

NOT USED

NOT USED

7

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 MARKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF, ANY BUILDING, STRUCTURE, OR OTHER MARKING OF, OR FOR THE PURPOSE OF FURNISHING 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
24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 .
 .
 .

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119283 INC.
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021

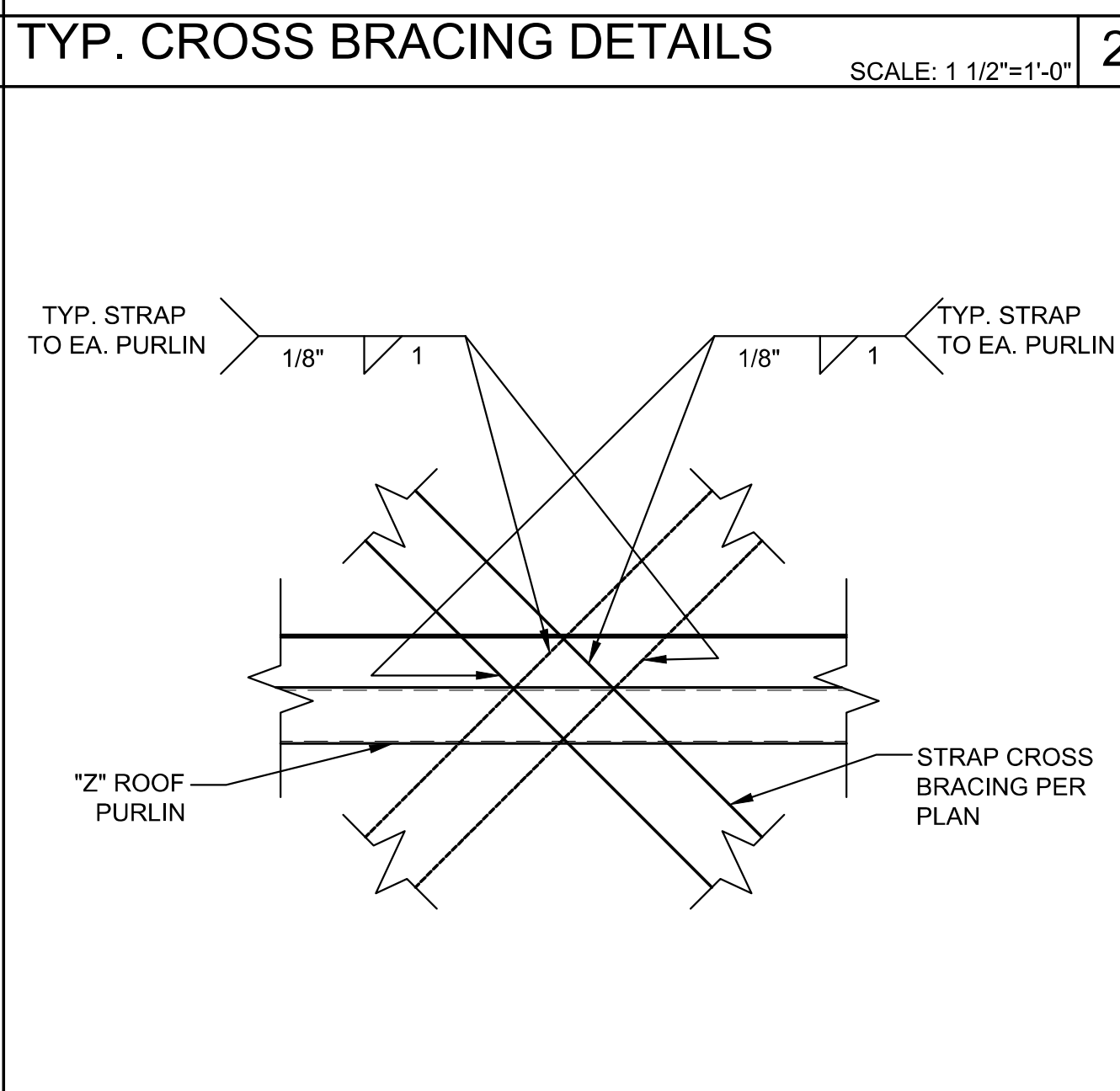
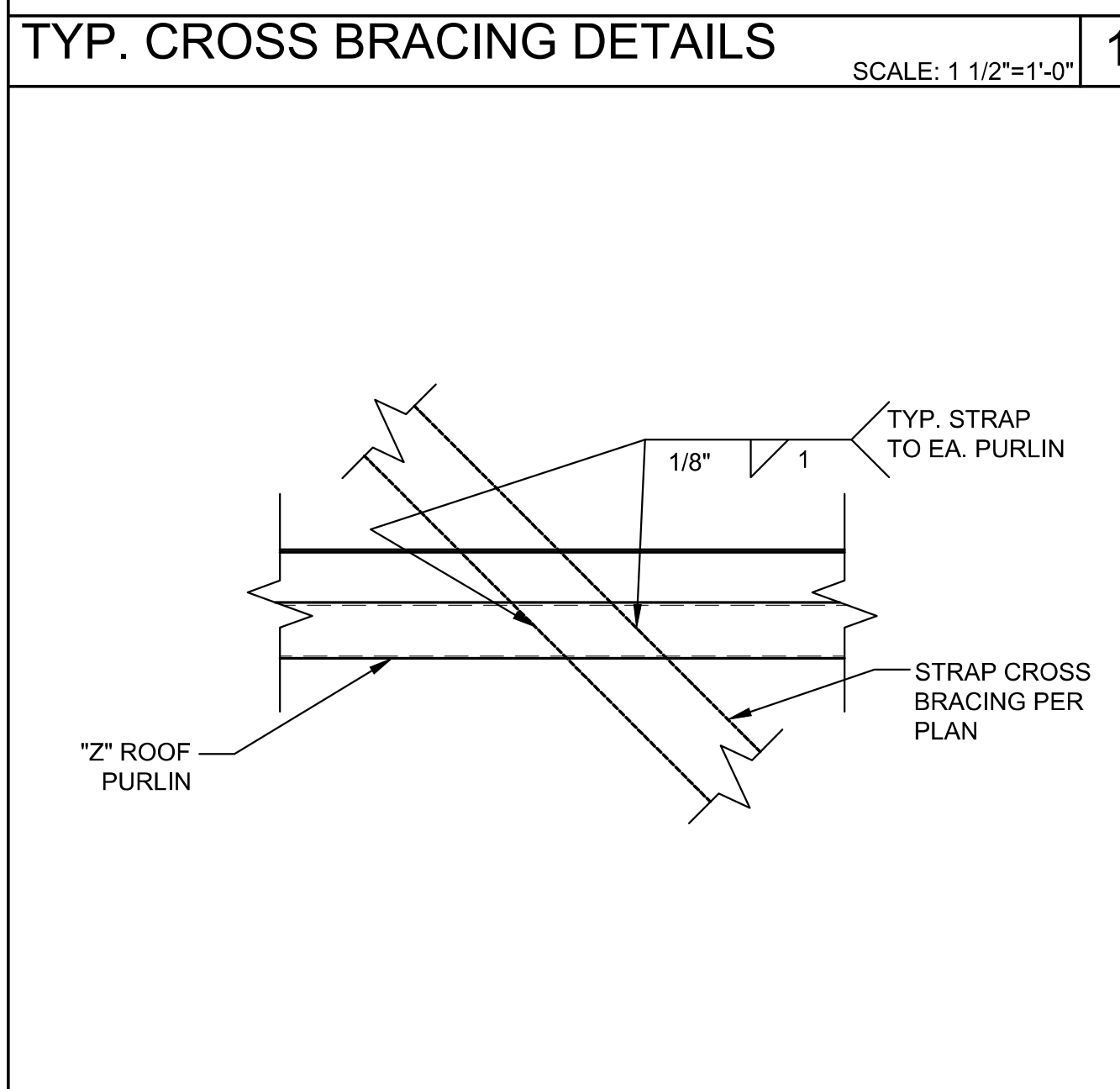
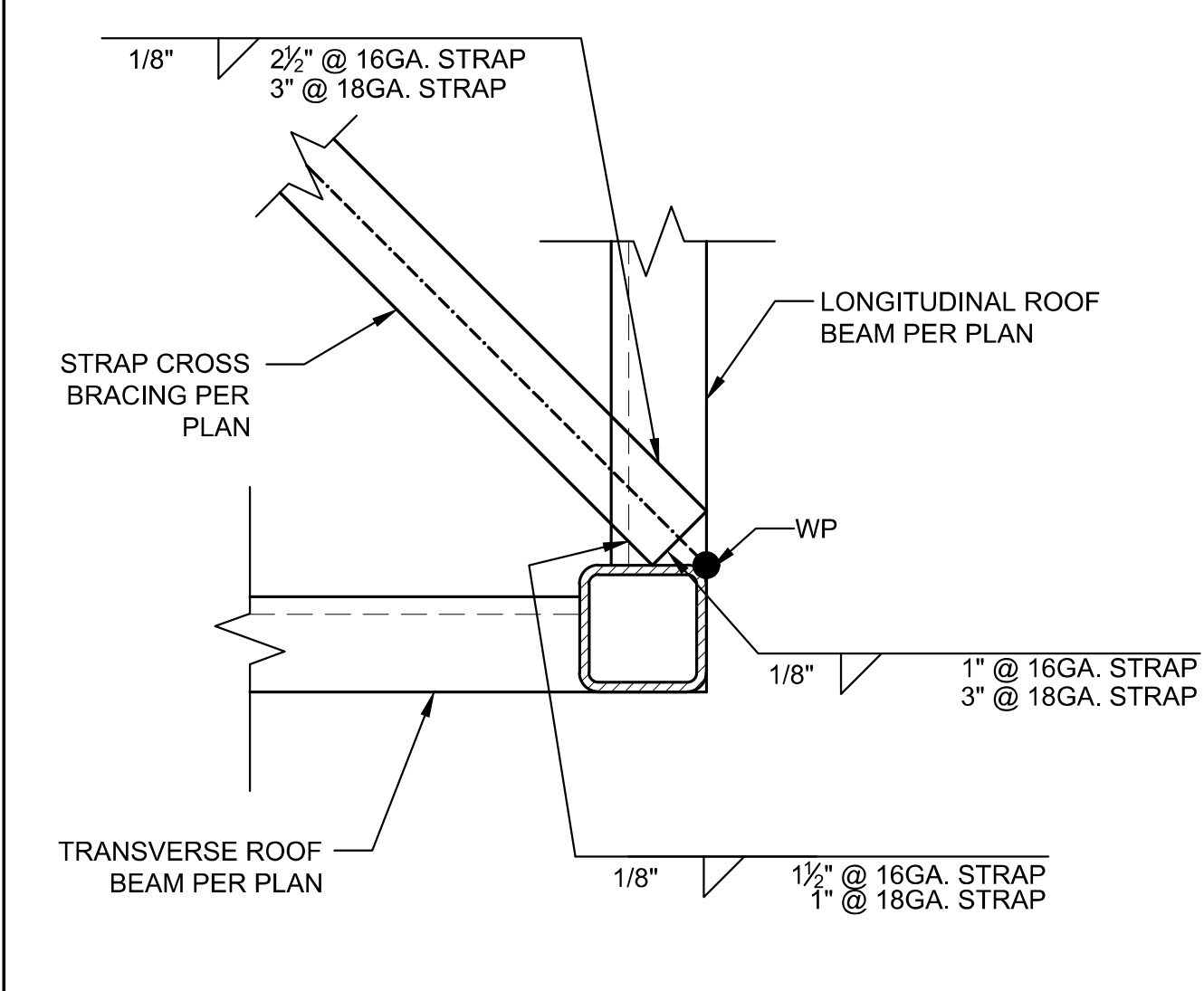
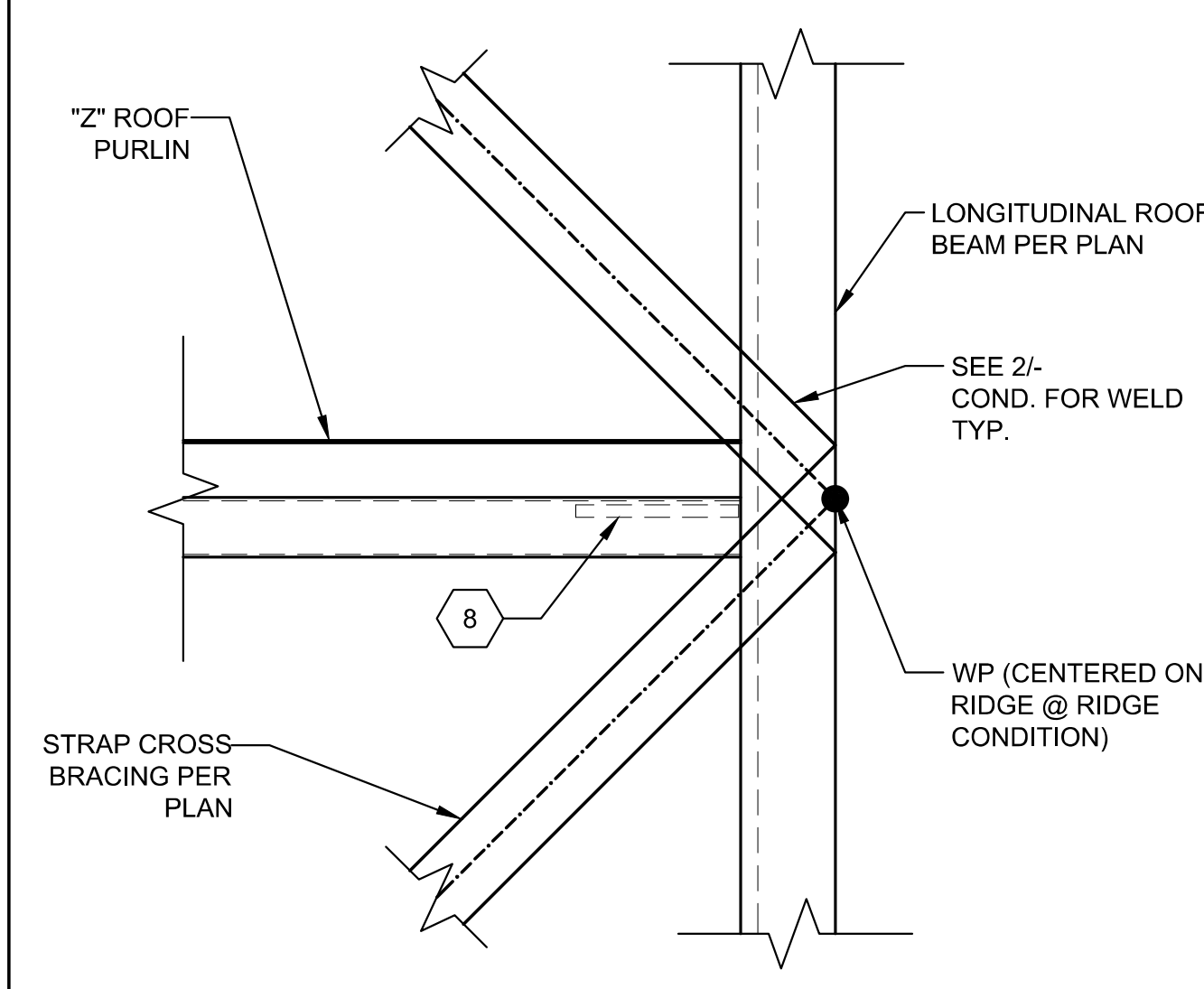
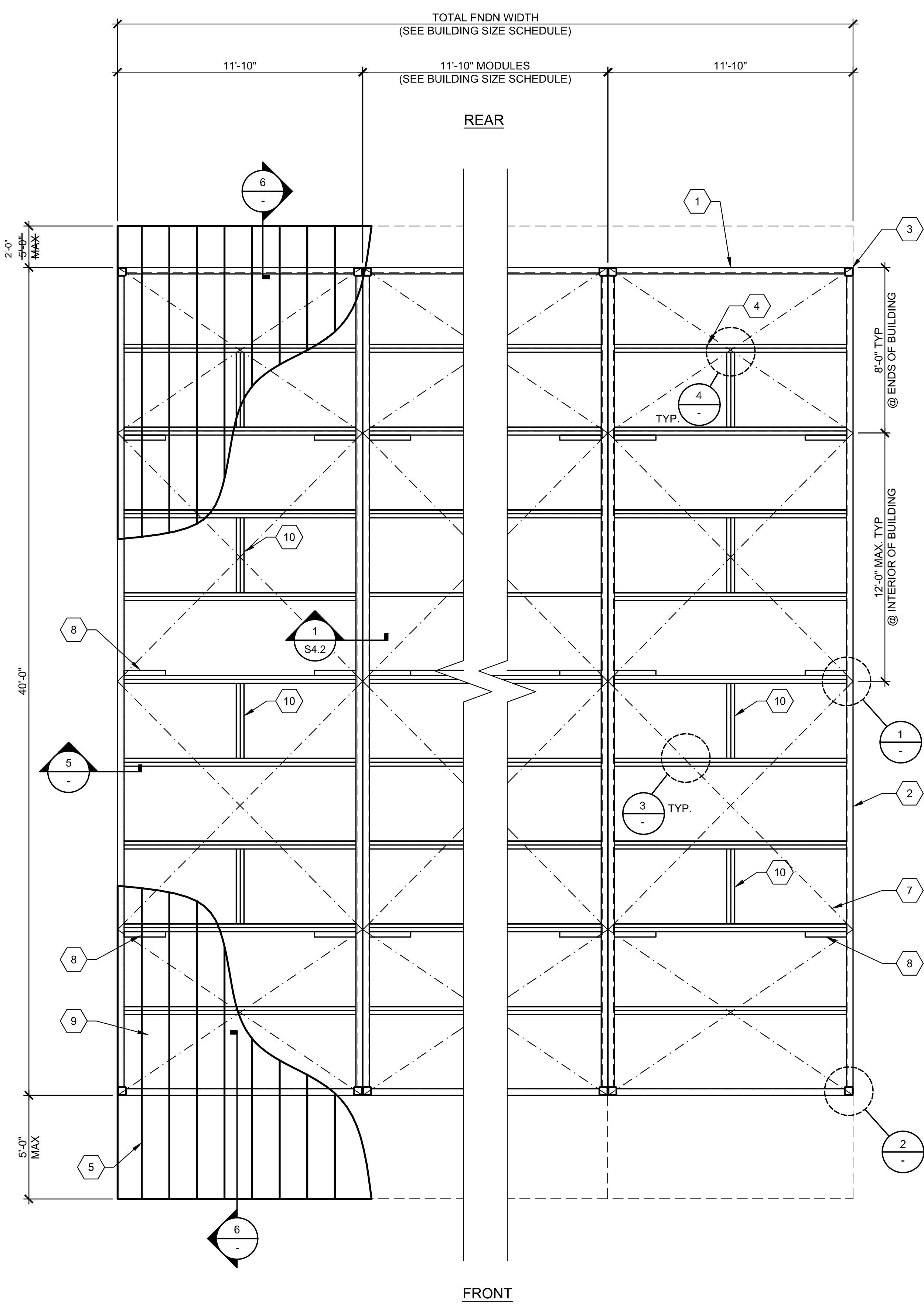
2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
 MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
 PATRICK J. HUNTER
 No. C12631
 Ren. 3-31-23
 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL
 MARY D. FRENCH
 No. 3380
 STATE OF CALIFORNIA

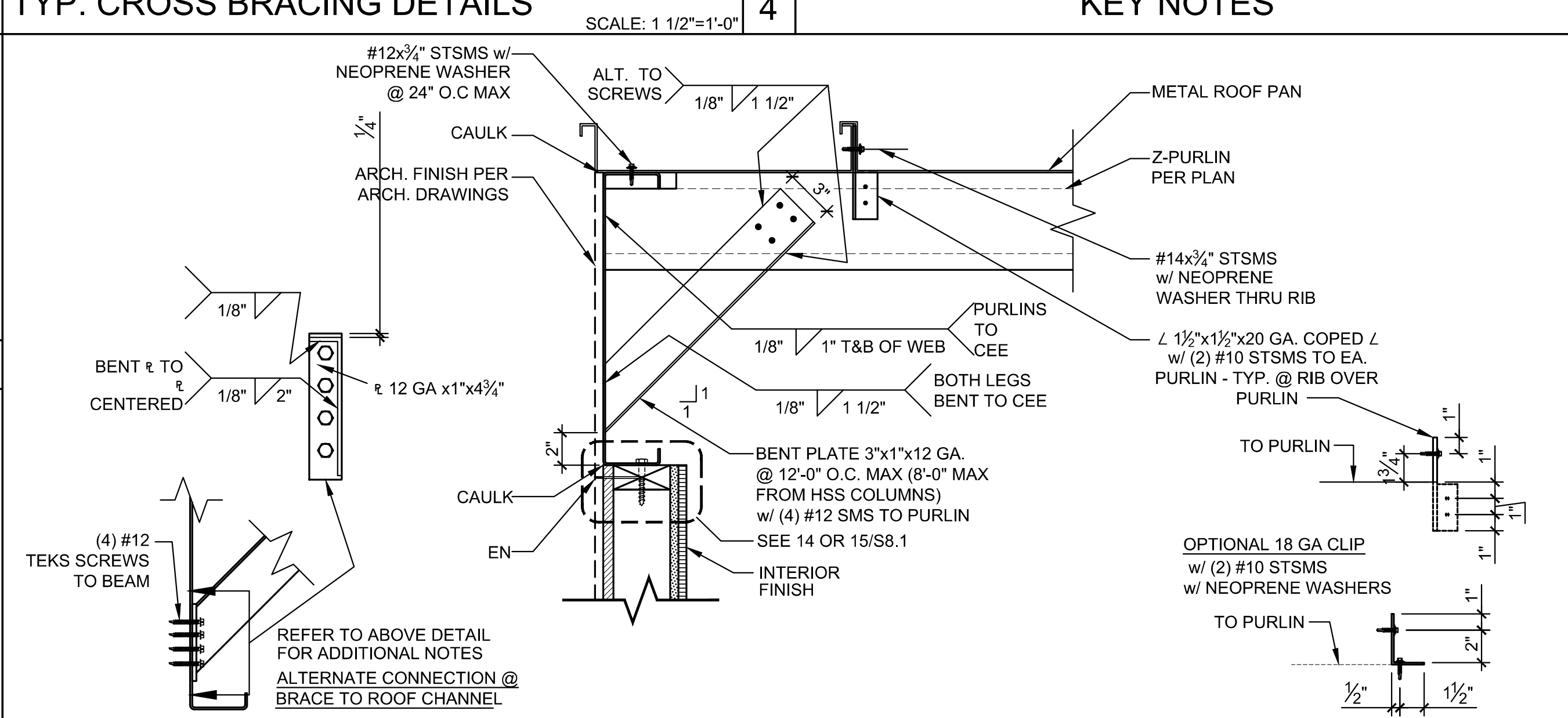
08/06/2021

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



- 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 @ 48" O.C. MAX. -SEE SHEET S0.0
- 5 METAL ROOF PAN - SEE SHEET S0.0.
- 6 NOT USED
- 7 2"x16 GA. STRAP CROSS BRACING GRADE 50 ALTERNATE: CROSS BRACING 3"x18 GA. GRADE 50 NOTE: FLAT STRAP SHALL BE PULLED TAUT, ELIMINATING ANY SAGGING OF THE STRAP. PRIOR TO THE STRAP BEING WELDED TO THE FRAMING.
- 8 3"x12 GA. BENT PLATE DIAGONAL BRACE TO ROOF BEAM @ 12'-0" O.C. MAX (8'-0" MAX FROM HSS COLUMNS) & AT ROOF STRAP CROSS BRACING LOCATIONS PER 1/- SEE DETAIL 5/- @ BEAMS. PROVIDE PURLIN BLOCKING @ EACH BRACE @ END MODULES ONLY PER 10/ BELOW
- 9 NOT USED
- 10 MID-SPAN PURLIN BLOCKING WELD TO ROOF PURLINS PER DETAIL 3/S4.2 BLOCKING IS ONLY REQUIRED AT END MODULES AT PURLINS WITH DIAGONAL BEAM BRACING AT EXTERIOR SIDE WALLS PER 8/ ABOVE.

- GENERAL NOTES
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 GAUGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.
 2. SEE SHEET S8.0 FOR TYP. SIDE WALL FRAMING.
 3. SEE SHEET S8.0 FOR TYP. END WALL FRAMING.
 4. ALL FASTENERS THRU METAL ROOF PANEL SHALL BE INSTALLED W/NEOPRENE WASHERS.



TYPICAL ROOF FRAMING LAYOUT
 SCALE: 1/4"=1'-0"

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL FNDN WIDTH
24'x40'	2	0	23'-8"
36'x40'	3	1	35'-6"
48'x40'	4	2	47'-4"

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

A NOT USED

5 NOT USED

REVISIONS

△	
△	
△	

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21
 SHEET TITLE:

ROOF FRAMING PLAN & DETAILS

SHEET NUMBER:
S4.0

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

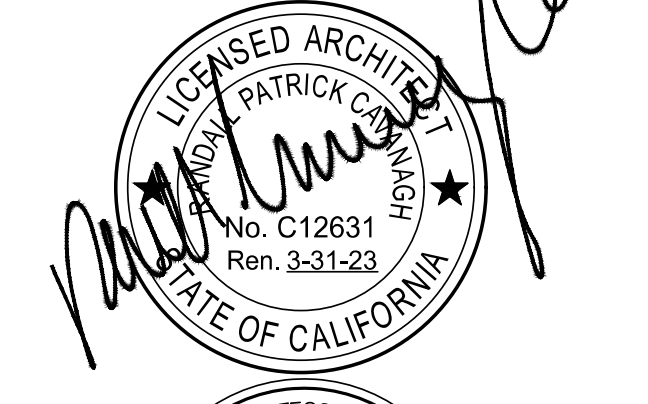

AMS
 American Modular Systems
 787 Spreckels Ave., Manteca, CA 95336
 Phone (209) 825-1921 Fax (209) 825-7018
 www.americanmodular.com

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 DRAWINGS, SPECIFICATIONS 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 BUILDING, MODULAR OR OTHER STRUCTURE. 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
 24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 .
 .
 .

~~IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119283 INC.
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021~~

2019 CBC PRE-CHECK (PC) DOCUMENT
 (A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED)
 MANUFACTURER PROFESSIONAL OF RECORD ON PC


 08/06/2021

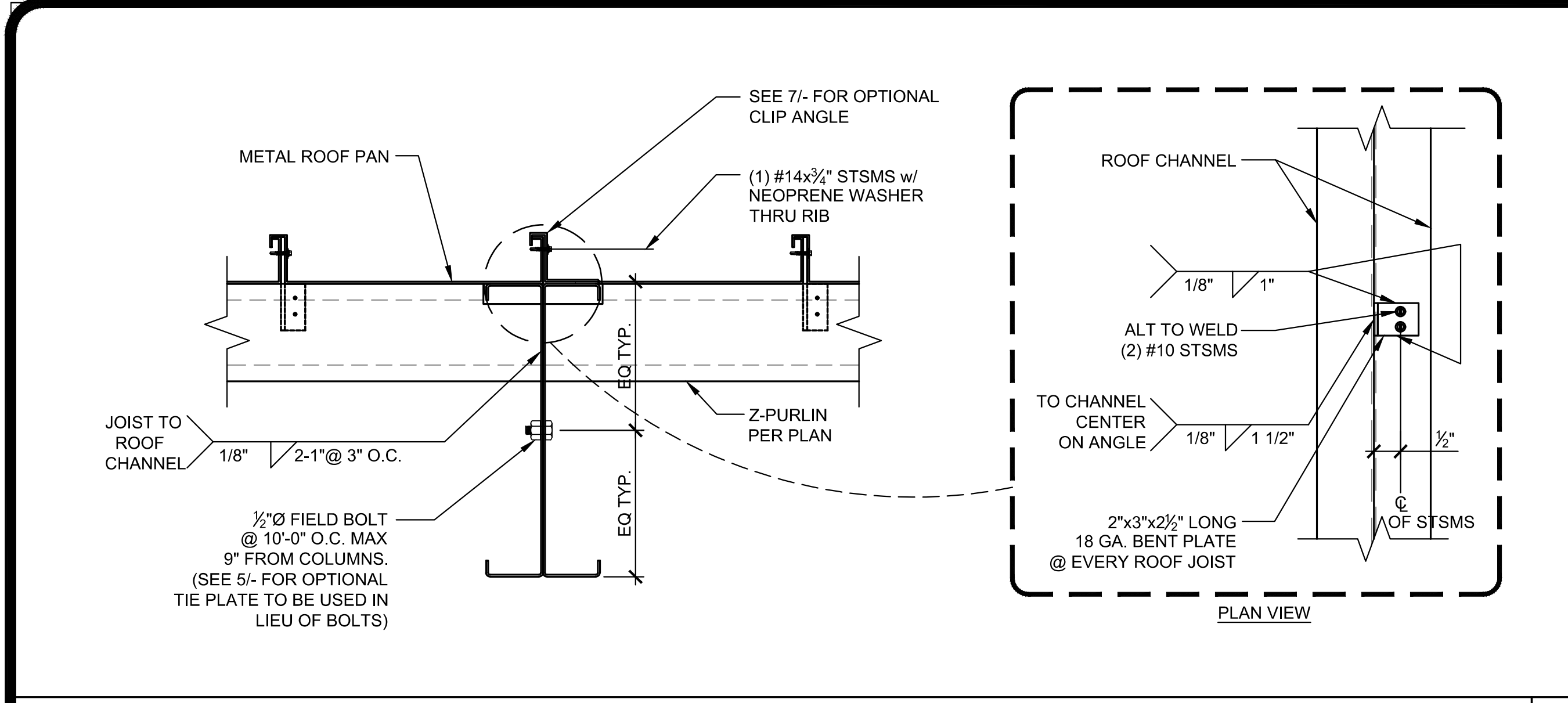
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

REVISIONS
 ▲
 ▲
 ▲
 ▲

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21
 SHEET TITLE:

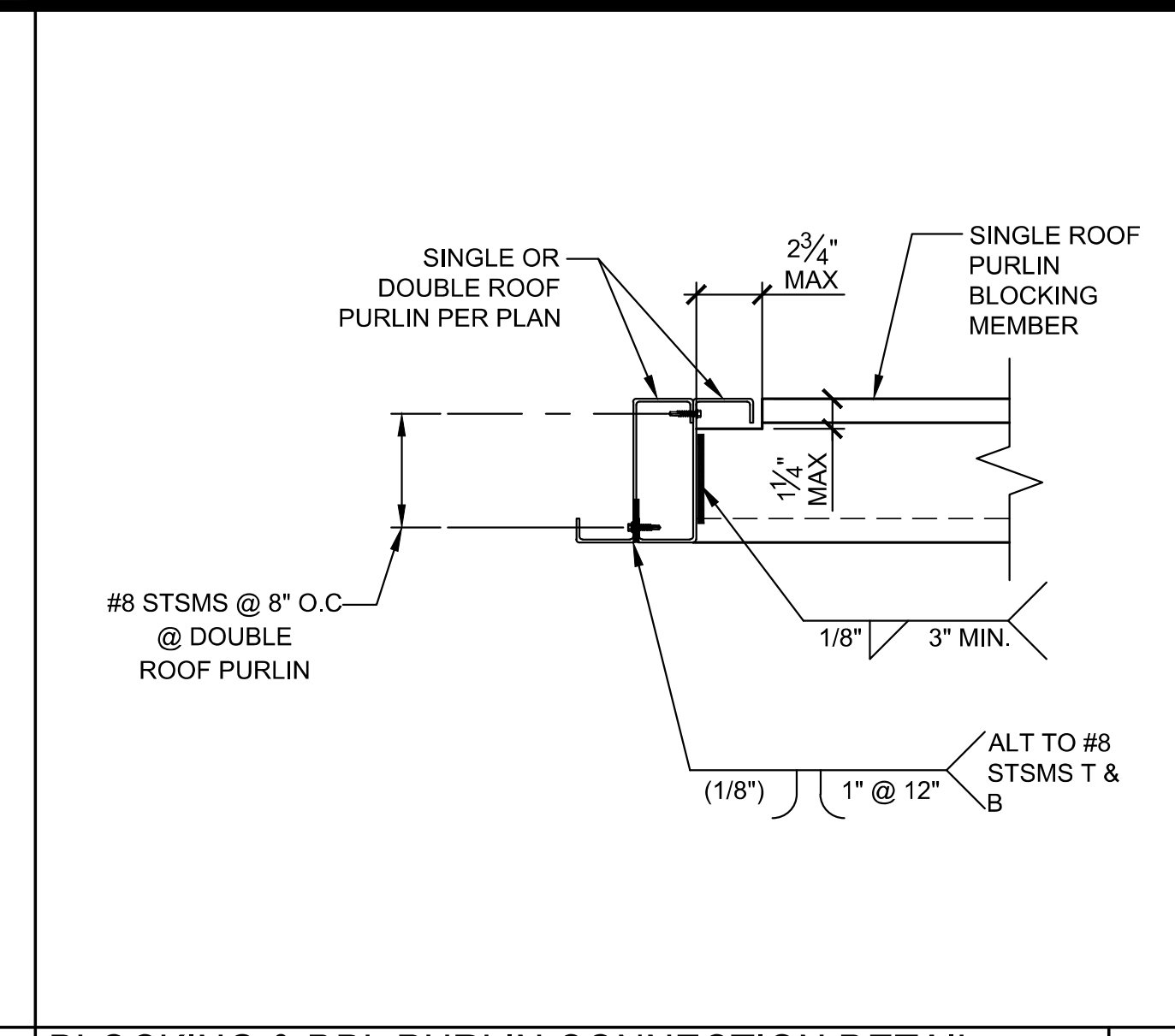
ROOF FRAMING DETAILS

SHEET NUMBER:
S4.2 N



ROOF BEAM CONNECTION DETAIL SCALE: 1 1/2"=1'-0" 1

NOT USED 2

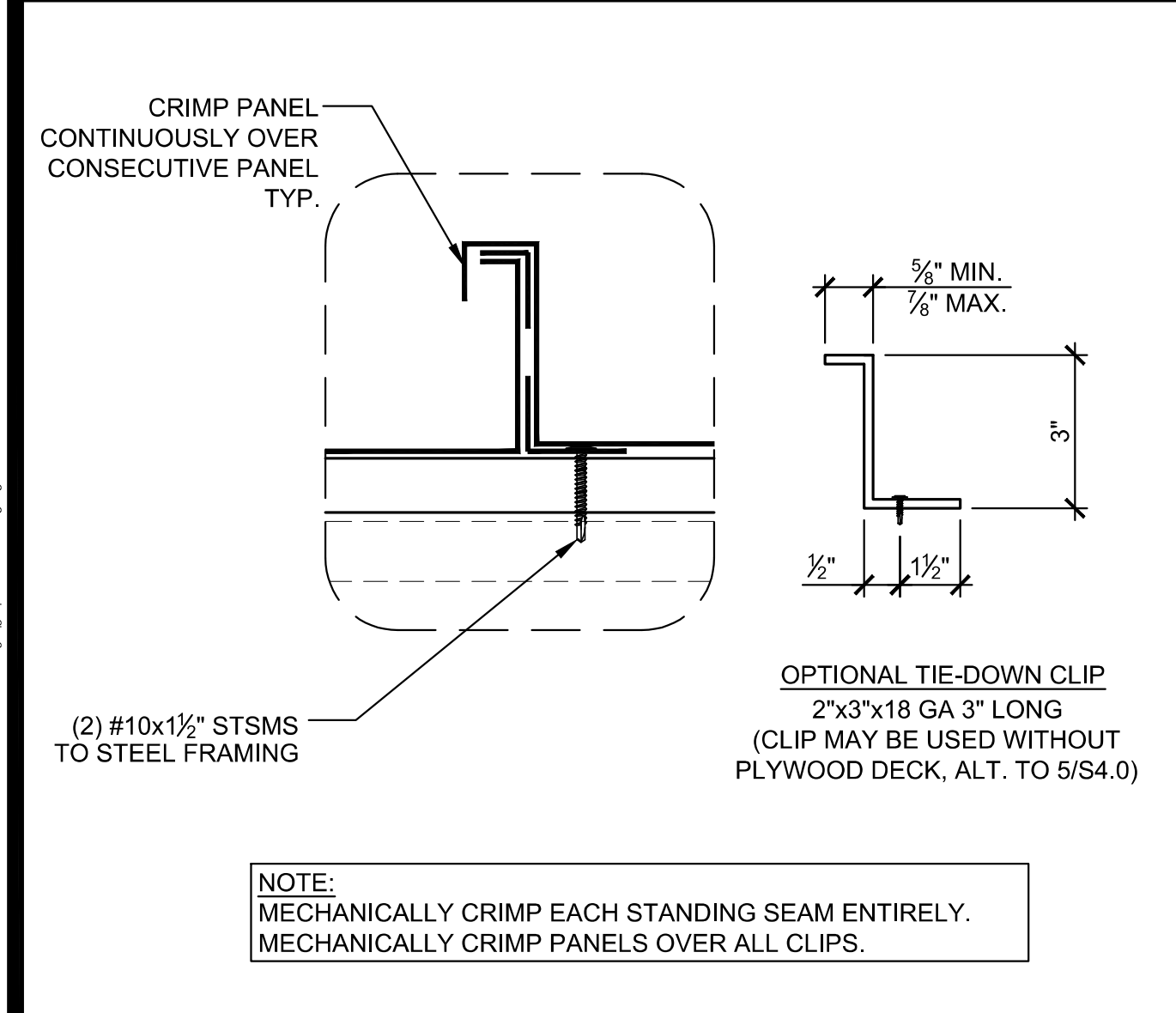


BLOCKING & DBL PURLIN CONNECTION DETAIL SCALE: 1 1/2"=1'-0" 3

NOT USED SCALE: 1 1/2"=1'-0" 4

NOT USED 5

NOT USED 6



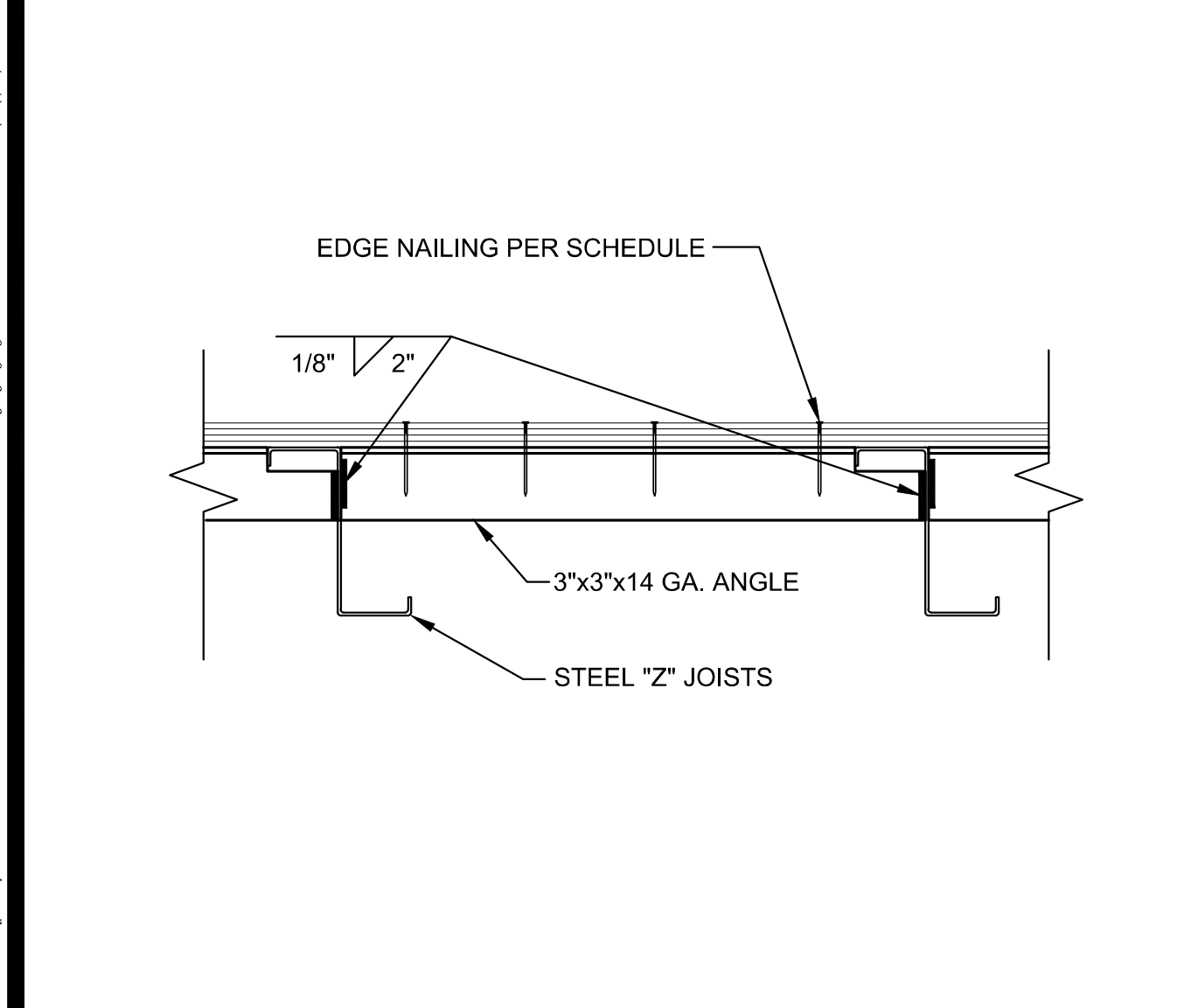
ROOF DETAIL (OPTIONAL ROOF PAN CLIP) SCALE: 1 1/2"=1'-0" 7

NOT USED 8

NOT USED 9

NOT USED 10

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 BE USED AS REFERENCE ONLY.



TYP. ANGLE TO Z-PURLIN ATTACHMENT SCALE: 1 1/2"=1'-0" 12

NOT USED 13

NOT USED 14

NOT USED 15

GENERAL NOTES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120719 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 BUILDING, MODULAR OR OTHER STRUCTURE. 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
24' x 40' THRU 48' x 40'
(HIGH SEISMIC)
2GO

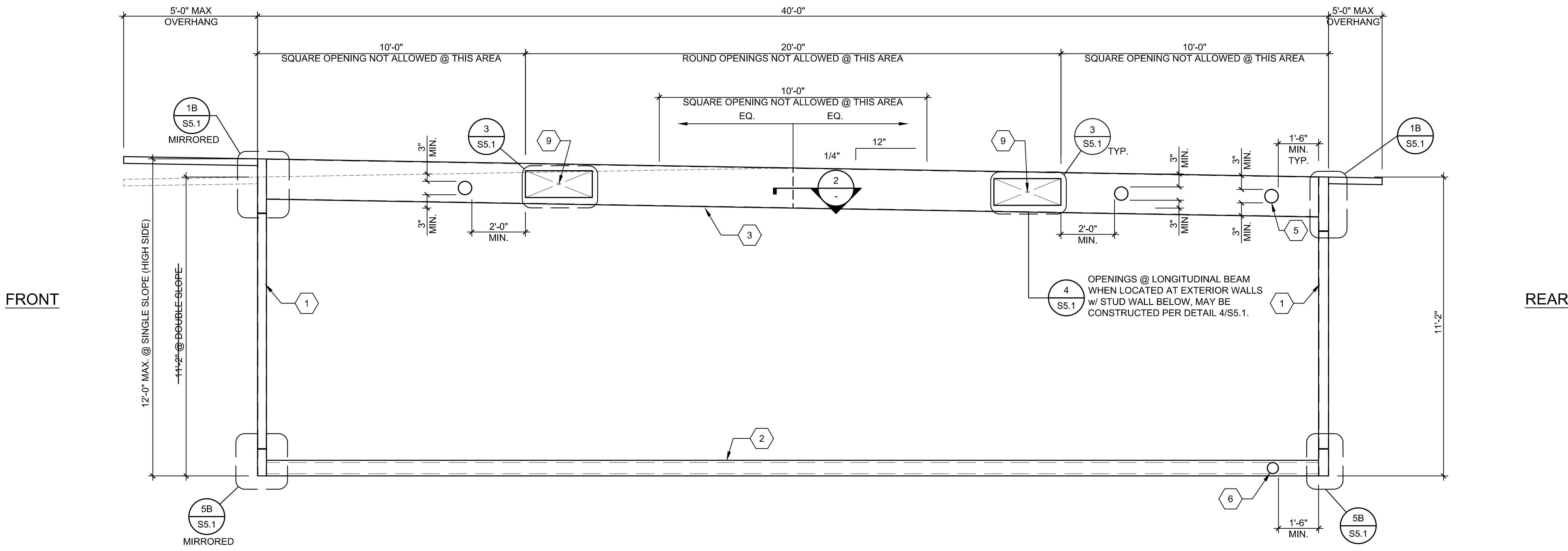
SITE SPECIFIC PROJECT NAME
.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-19283 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/20/2021

2019 CBC PRE-CHECK (PC) DOCUMENT
(A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED)
MANUFACTURER PROFESSIONAL OF RECORD ON PC
Patrick M. Amos
LICENSED ARCHITECT
No. C12631
Ren. 3-31-23
STATE OF CALIFORNIA
Manjiv D. Frawley
REGISTERED PROFESSIONAL ENGINEER
No. 3380
Ren. 08/06/2021
STATE OF CALIFORNIA
08/06/2021
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

REVISIONS
△
△
△
△
DRAWN BY: ADS/AH
SCALE: AS NOTED
DATE: 03/11/21
PROJECT NO: XXXX-21
SHEET TITLE:
MOMENT FRAME ELEVATIONS & DETAILS

SHEET NUMBER:
S5.0 N



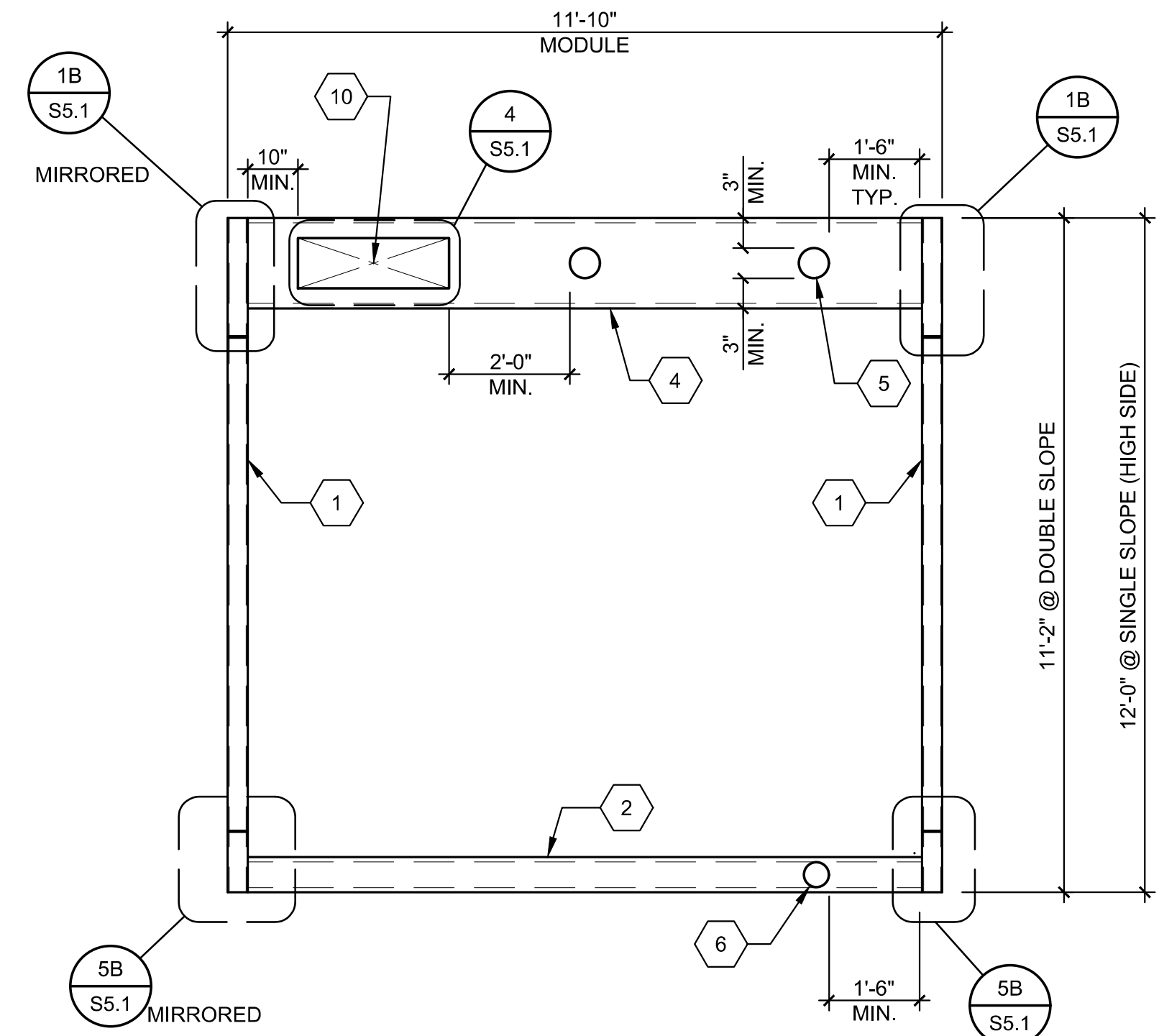
- 1 HSS COLUMN - SEE SCHEDULE 3/- BELOW.
- 2 FLOOR BEAM - SEE SCHEDULE 3/- BELOW.
- 3 LONGITUDINAL ROOF BEAM - SEE SCHEDULE 3/- BELOW.
- 4 TRANSVERSE ROOF BEAM - SEE SCHEDULE 3/- BELOW.
- 5 6" MAX OPENING IN WEB OF ROOF BEAM WITHOUT WEB REINFORCEMENT MINIMUM SPACING OF HOLES @ 48" O.C., HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF ROOF BEAM EXCEPT AS NOTED OTHERWISE ON FRAMING ELEVATION - SEE 6/SS.1.
NOTE: IF HOLE IS 3" OR LESS, THEY MAY BE SPACED @ 24" O.C. MINIMUM.
- 6 4" MAX OPENING IN WEB OF FLOOR BEAM WITHOUT WEB REINFORCEMENT MINIMUM SPACING OF HOLES @ 48" O.C. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF FLOOR BEAM WITH DIRECT FOUNDATION SUPPORT BELOW. OPENINGS ARE NOT ALLOWED WHERE BEAMS ARE SPANNING BETWEEN FOUNDATIONS OR ACROSS VENT OPENINGS. - SEE 6/SS.1.
NOTE: IF HOLE IS 2" OR LESS, THEY MAY BE SPACED @ 24" O.C. MINIMUM.
- 7 NOT USED.
- 8 NOT USED.
- 9 LONGITUDINAL BEAM OPENING: REFER TO DETAIL 3/SS.1 FOR OPENING REINFORCEMENT (10"x18" MAX OPENING SIZE).
- 10 TRANSVERSE BEAM OPENING: REFER TO DETAIL 4/SS.1 FOR OPENING REINFORCEMENT (10"x30" MAX OPENING SIZE).

TYPICAL LONGITUDINAL FRAME ELEVATION

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

1

KEY NOTES

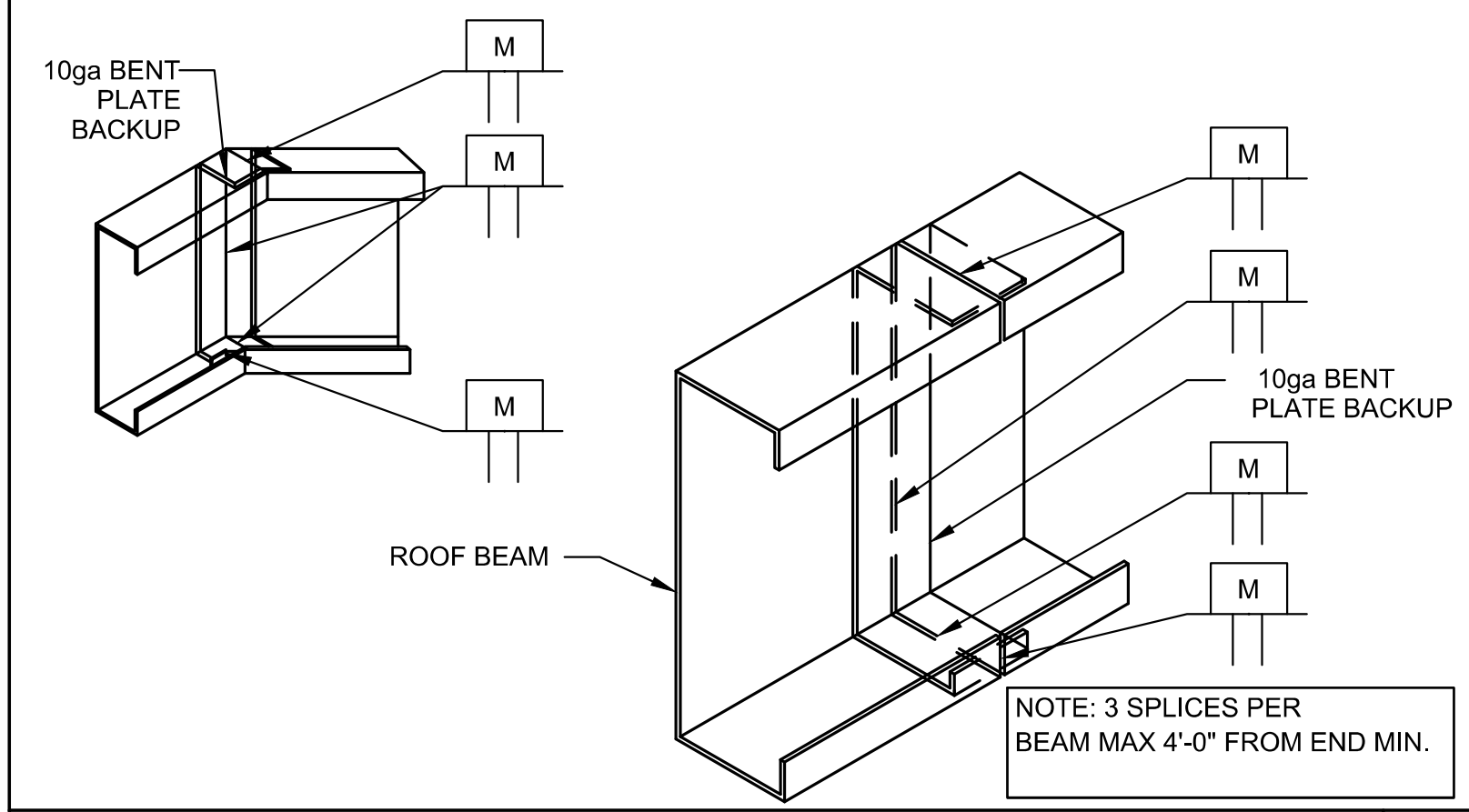


TYPICAL TRANSVERSE FRAME ELEVATION

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

4

THE WELDING PROCEDURE QUALIFICATION TEST RECORD AND WELDING PROCEDURE SPECIFICATION FOR THIS WELD SHALL BE PREPARED IN ACCORDANCE WITH AWS D1.1-10 & D1.3-08 AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND SUBMITTAL TO THE D.S.A. TYPICAL ALL DETAILS THIS SHEET. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT.-LBS AT ZERO DEGREES F, AS DETERMINED BY AWS CLASSIFICATION.



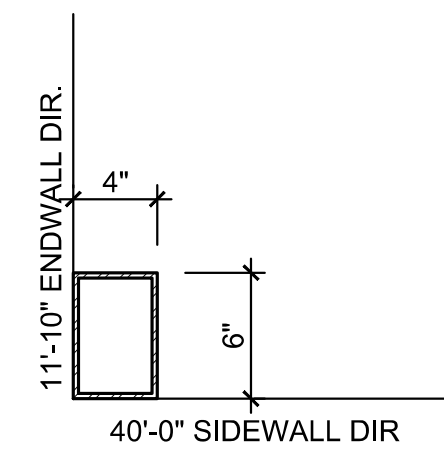
TYPICAL BEAM SLICE

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

2

FLOOR BEAMS	COLUMNS	LONGITUDINAL ROOF CHANNEL	TRANSVERSE ROOF CHANNEL
C7x9.8	HSS 6x4x1/4 (ASTM A1085 - Fy = 50ksi (SEE ORIENTATION BELOW))	10 GA.	10 GA.

FRAME MEMBER SCHEDULE



NOTE: SEE ALL SECTION PROPERTIES ON SHEET S0.0

NOT USED

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

5

NOT USED

3

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 MARKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF ANY BUILDING, MODULAR OR OTHER STRUCTURE, 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
 24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 .
 .
 .

~~IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119285 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021~~

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR COSTITUTION IS REQUIRED
 MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENCED ARCHITECT
 PATRICK C. HONG
 No. C12631
 Ren. 3-31-23
 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
 MANNING D. FRIEDMAN
 No. 3380
 STATE OF CALIFORNIA

08/06/2021

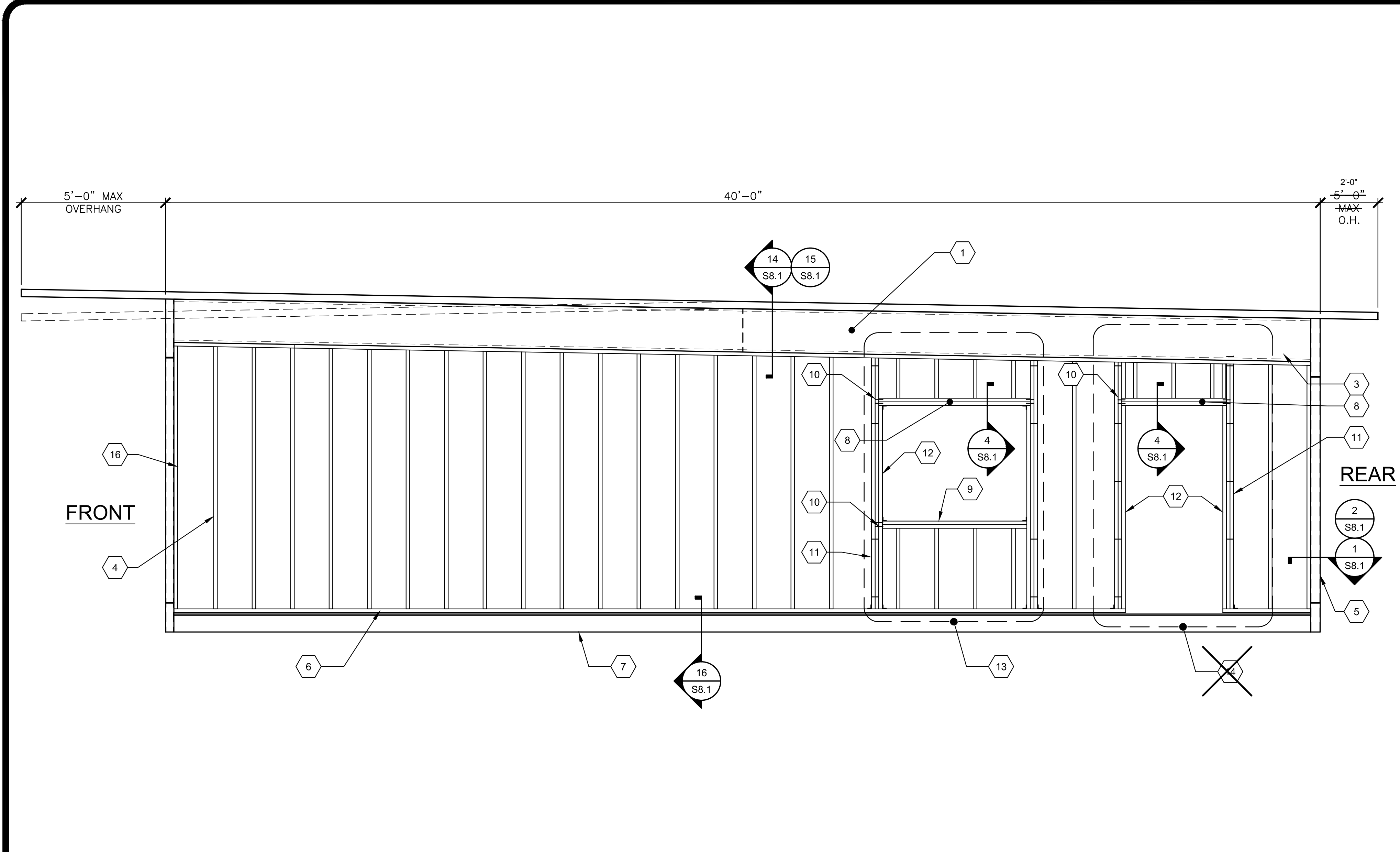
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD

REVISIONS
 △
 △
 △

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21

SHEET TITLE:
**WALL FRAMING
 ELEVATIONS & SCHEDULES
 - WOOD STUDS**

SHEET NUMBER:
S8.0
 N



- 1 ROOF BEAM PER SHEET S5.0
- 2 2x6 MIN. TOP PLATE - NO SPLICE
- 3 2x6 MIN. TOP PLATE
- 4 2x6 MIN. STUDS SPACED PER SCHEDULE W/(3) 0.131"Ø x3" END NAILS OR (4) 0.131"Ø x3" TOE NAILS T&B TO PLATES TYP.
- 5 HSS COLUMN PER SHEET S5.0
- 6 2x6 MIN. BOTTOM PLATE - NO SPLICE (P.T. AT CONCRETE FLOORS)
- 6A 2x6 MIN. BOTTOM PLATE (P.T. AT CONCRETE FLOORS)
- 7 PERIMETER FLOOR BEAM PER SHEET S5.0
- 8 HEADER PER OPENING SCHEDULE
- 9 WINDOW SILL PER OPENING SCHEDULE
- 10 END NAILS THROUGH KING STUD TO HEADER SILL PER OPENING SCHEDULE
- 11 KING STUDS PER OPENING SCHEDULE
- 12 2x6 MIN. TRIMMER
- 13 OPTIONAL WINDOW OPENING FRAMING PER SCHEDULE (REFER TO 4/S8.0 FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
- 14 OPTIONAL DOOR OPENING FRAMING PER SCHEDULE (REFER TO 5/S8.0 FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
- 15 HVAC OPENING @ EXTERIOR WALL (60#MAX WT.) SEE DETAIL 3/S8.1 FOR HVAC ATTACHMENT
- 16 2x DOUBLE NAILER

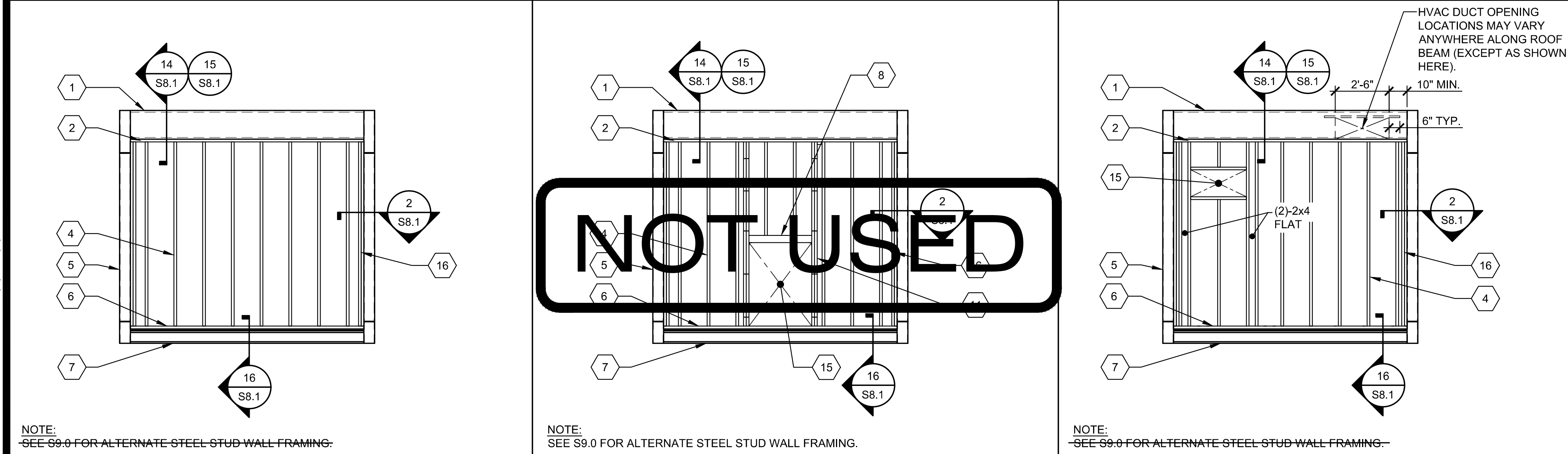
NOTE: SEE CARPENTRY NOTES SHEET N1.0 SECTION 6 FOR WOOD SPECIES & GRADE

KEY NOTES

EXTERIOR WALL SCHEDULE			
FINISH TYPE	WALL FINISH COMMENTS	STUD TYPE	STUD SPACING
1/2" PLYWOOD SHEATHING 303 CONFORMING TO PS1-09. VERTICAL GROOVES @ 8" O.C.	WALL FINISH PER A5.0 & A5.1	HEM FIR #2 OR DOUG FIR #2	16" O.C. MAX
1/2" HARDI-BOARD w/ SYNTHETIC STUCCO OR 1/2" HARDI-LAP SIDING	WALL FINISH PER A5.4, A5.5, A5.6 & A5.7	HEM FIR #2 OR DOUG FIR #2	16" O.C. MAX
1/2" PLYWOOD SHEATHING CONFORMING TO PS1-09, APA RATED, 5 PLY 32/16", OR 1/2" OSB PANELS EXPOSURE 1 w/ 1/2" STUCCO	WALL FINISH PER A5.2 & A5.3. NAILING PER BLDG SECTIONS 1-2	HEM FIR #2 OR DOUG FIR #2	16" O.C. MAX

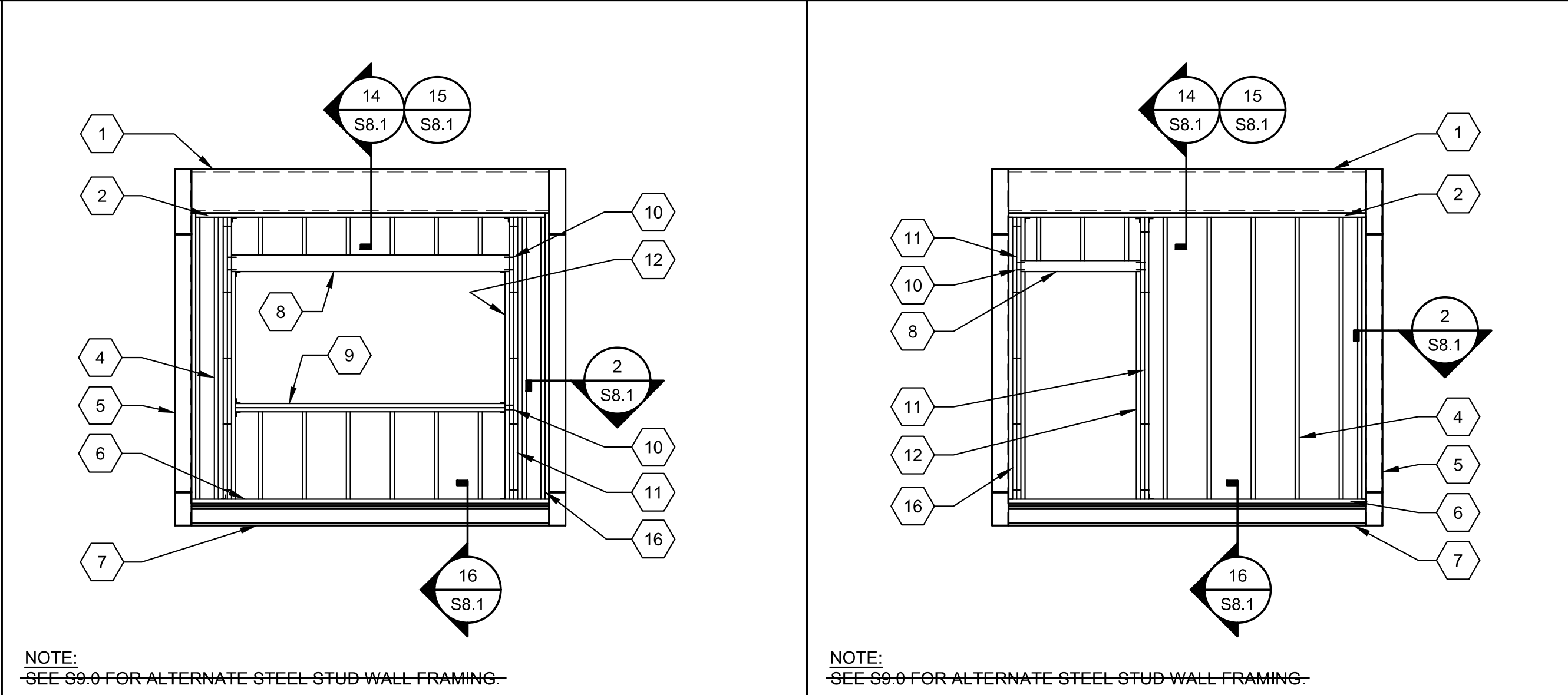
- FOOTNOTES**
- ALL NAILS IN EXTERIOR APPLICATIONS SHALL BE GALVANIZED.
 - TYPICAL PLYWOOD NAILING WHERE OCCURS: 0.131"Ø x2 1/4" GALV. NAILS @ 6" O.C. E.N. & 12" O.C. F.N. (ALL EDGES BLOCKED).

TYPICAL SIDE WALL FRAMING (MONO/DUAL PITCH)



1 TYP. END WALL FRAMING w/ NO OPENINGS SCALE: 1/4"=1'-0"
 2 TYP. END WALL FRAMING w/ INDOOR HVAC UNIT (OPTIONAL) SCALE: 1/4"=1'-0"
 3 TYP. END WALL FRAMING w/ WALL HUNG HVAC UNIT (OPTIONAL) SCALE: 1/4"=1'-0"

EXTERIOR WALL FINISH/WALL STUD SCHEDULE



4 TYPICAL END WALL FRAMING WINDOW SCALE: 1/4"=1'-0"
 5 TYPICAL END WALL FRAMING w/ DOOR SCALE: 1/4"=1'-0"

DOOR/WINDOW OPENING AT TYPICAL WALL (NO STUCCO)								
OPENING SIZE	HEADER	WINDOW SILL ² (AS APPLICABLE)	KING STUDS ¹	KING STUD INTERNAL SPACING	HEADER TO KING STUD NAILING		WINDOW SILL TO KING STUD NAILING	
					# END NAILS 1 ST KING STUD TO HEADER ³ (0.131"Øx3" NAILS)	# FACE NAILS KING STUD TO HEADER (0.131"Øx3" NAILS)	# END NAILS 1 ST KING STUD TO WINDOW SILL ² (0.131"Øx3" NAILS)	# FACE NAILS KING STUD TO WINDOW SILL (0.131"Øx3" NAILS)
>8'-0" TO 10'-0"	6x6	(2) 2x6	(3) 2x6	0.131"Øx3" NAILS @ 12" O.C. MAX STAGGERED	6	3	4	2
>6'-0" TO 8'-0"	6x6	(1) 2x6	(2) 2x6		5	3	3	2
>4'-0" TO 6'-0"	4x6 FLAT	(1) 2x6	(2) 2x6		4	2	3	2
4'-0" OR LESS	4x6 FLAT	(1) 2x6	(2) 2x6		4	2	3	2

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

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

OPENING SCHEDULE

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 MARKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF ANY BUILDING, MODULAR OR OTHER STRUCTURE. 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
24' x 40' THRU 48' x 40' (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119283 INC.
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
 MANUFACTURER PROFESSIONAL OF RECORD ON PC

Licensed Architect
 PATRICK M. HUNTER
 No. C12631
 Ren. 3-31-23
 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL
 MANNING D. FRENCH
 No. 3380
 STATE OF CALIFORNIA

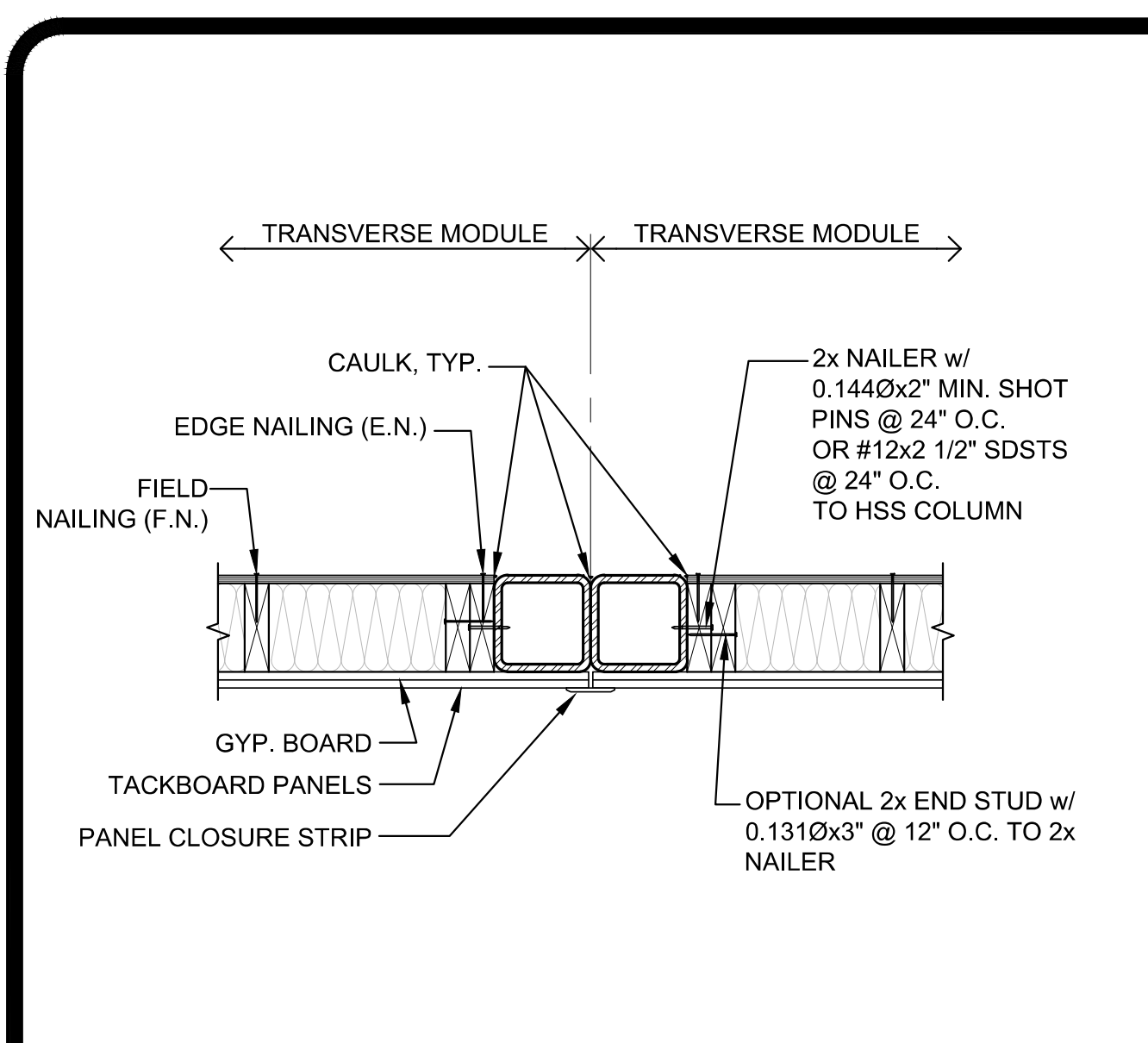
08/06/2021

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

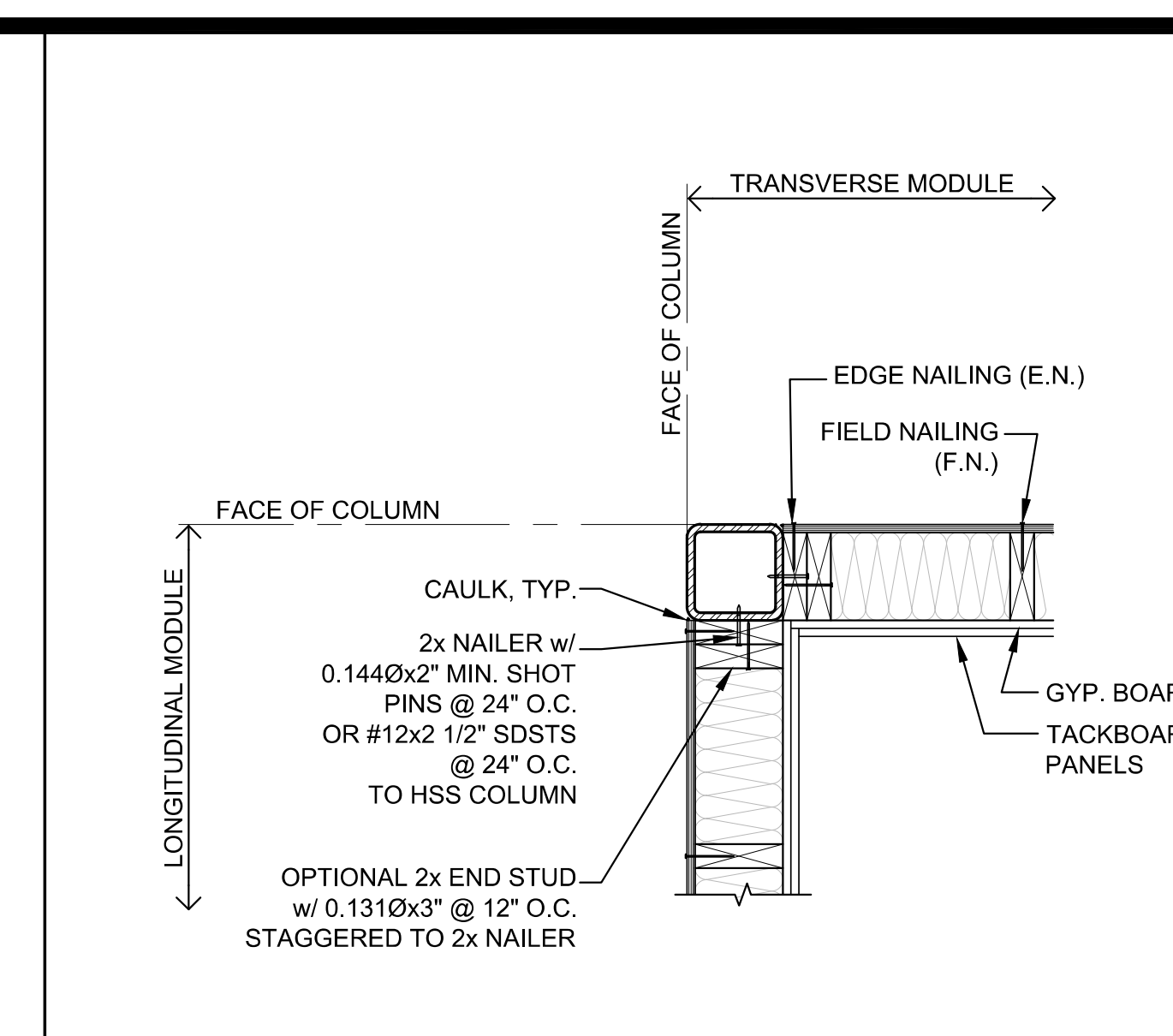
REVISIONS

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21
 SHEET TITLE: **WALL FRAMING DETAILS - WOOD STUDS**
 SHEET NUMBER:

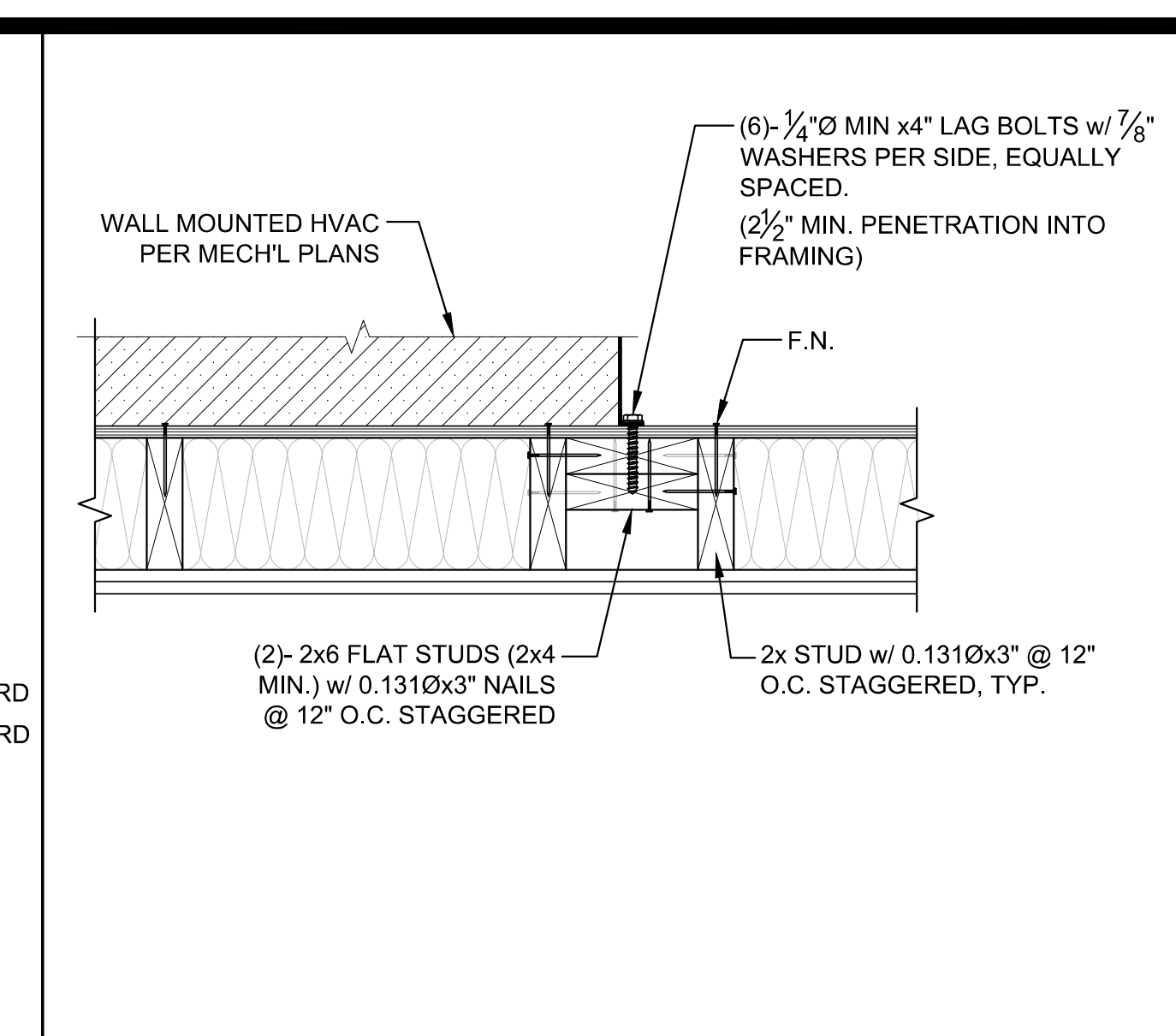
S8.1



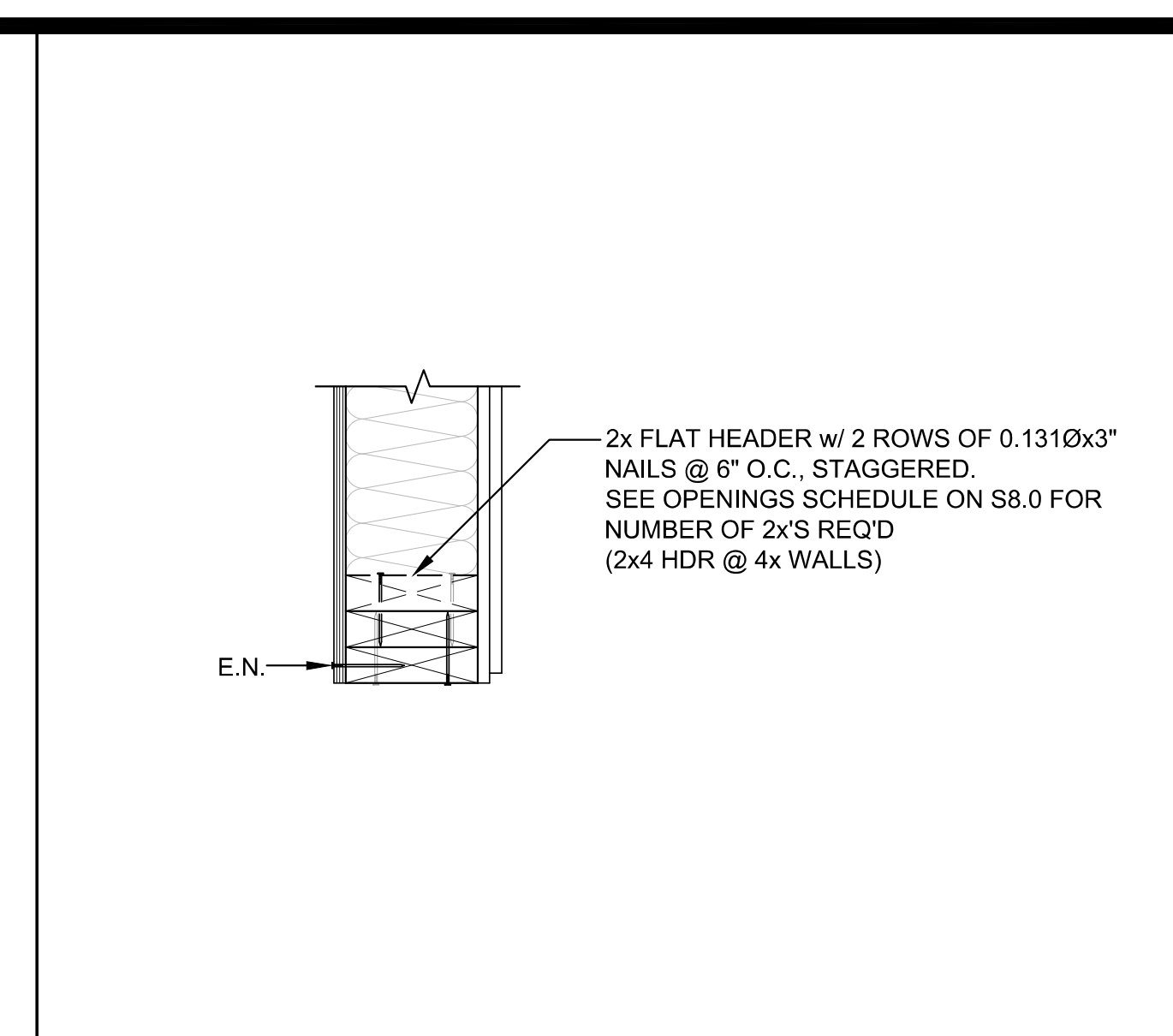
WALL TO COLUMN TYP. DETAIL @ MODLINES
 FOR COLUMN LOCATION REFER TO ARCH. DETAILS
 SCALE: 1-1/2" = 1'-0"



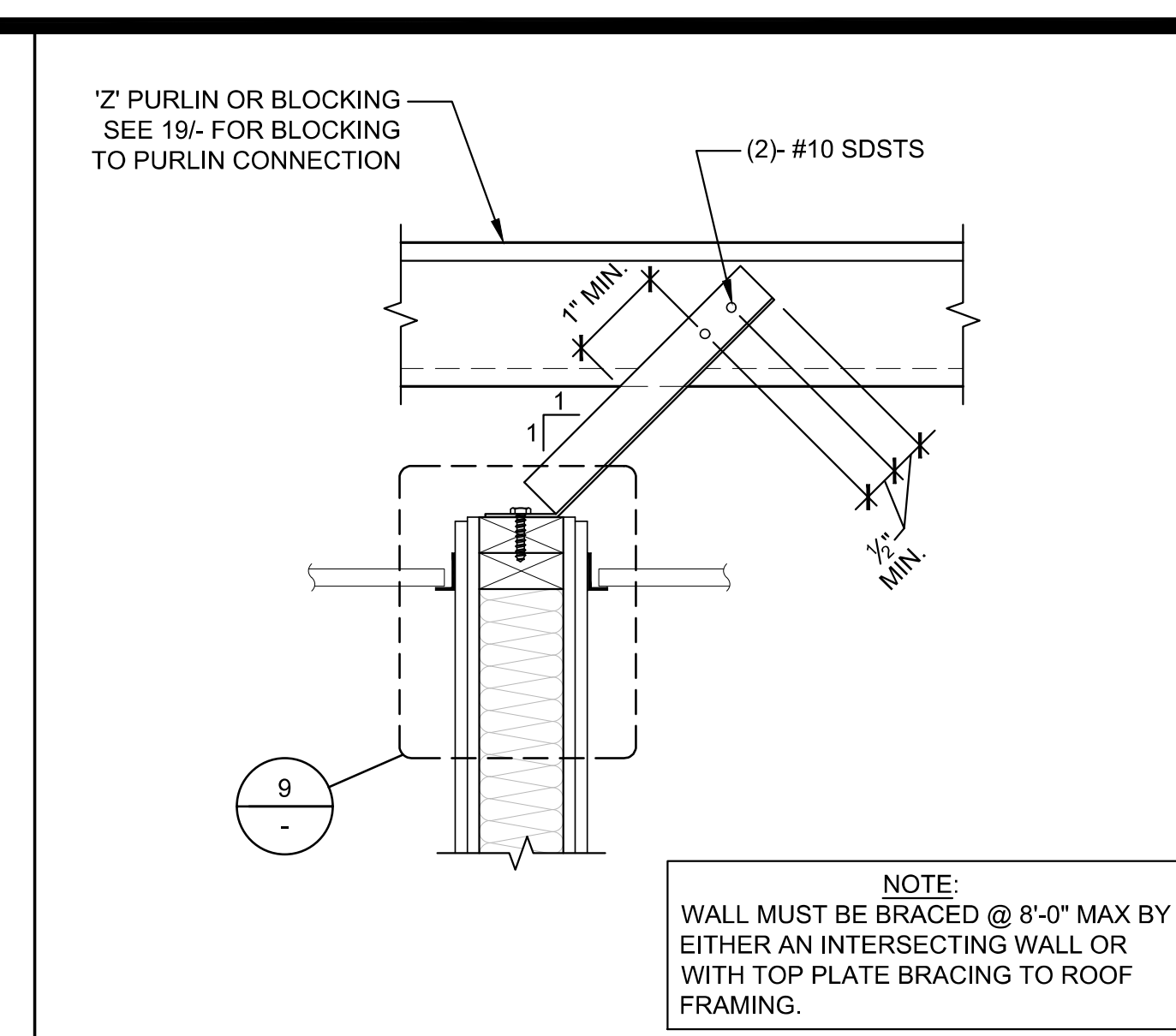
WALL TO COLUMN TYP. DETAIL @ CORNER
 FOR COLUMN LOCATION REFER TO ARCH. DETAILS
 SCALE: 1-1/2" = 1'-0"



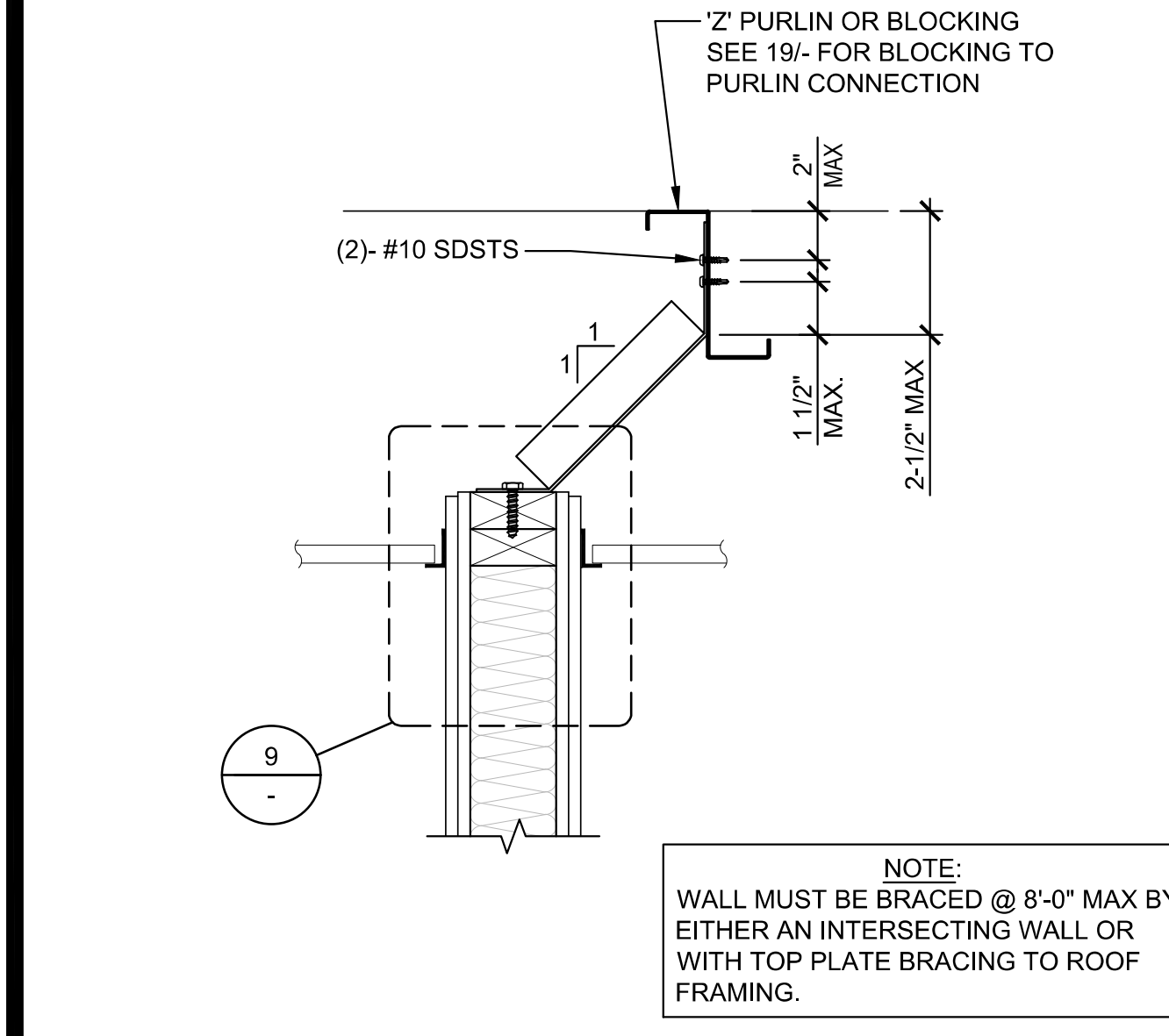
WALL HUNG HVAC ATTACHMENT DETAIL
 SCALE: 1-1/2" = 1'-0"



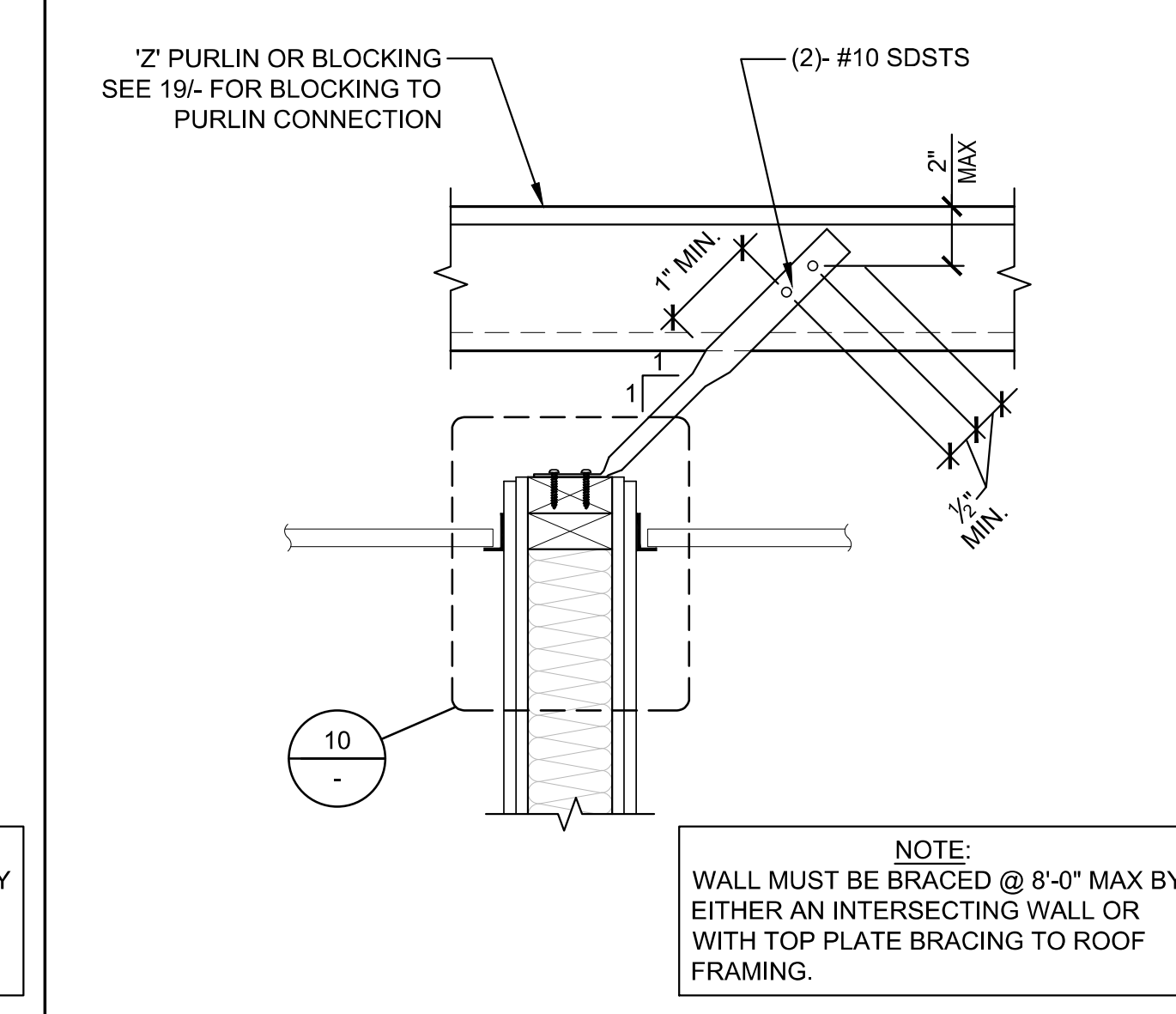
WALL HEADER DETAIL
 SCALE: 1-1/2" = 1'-0"



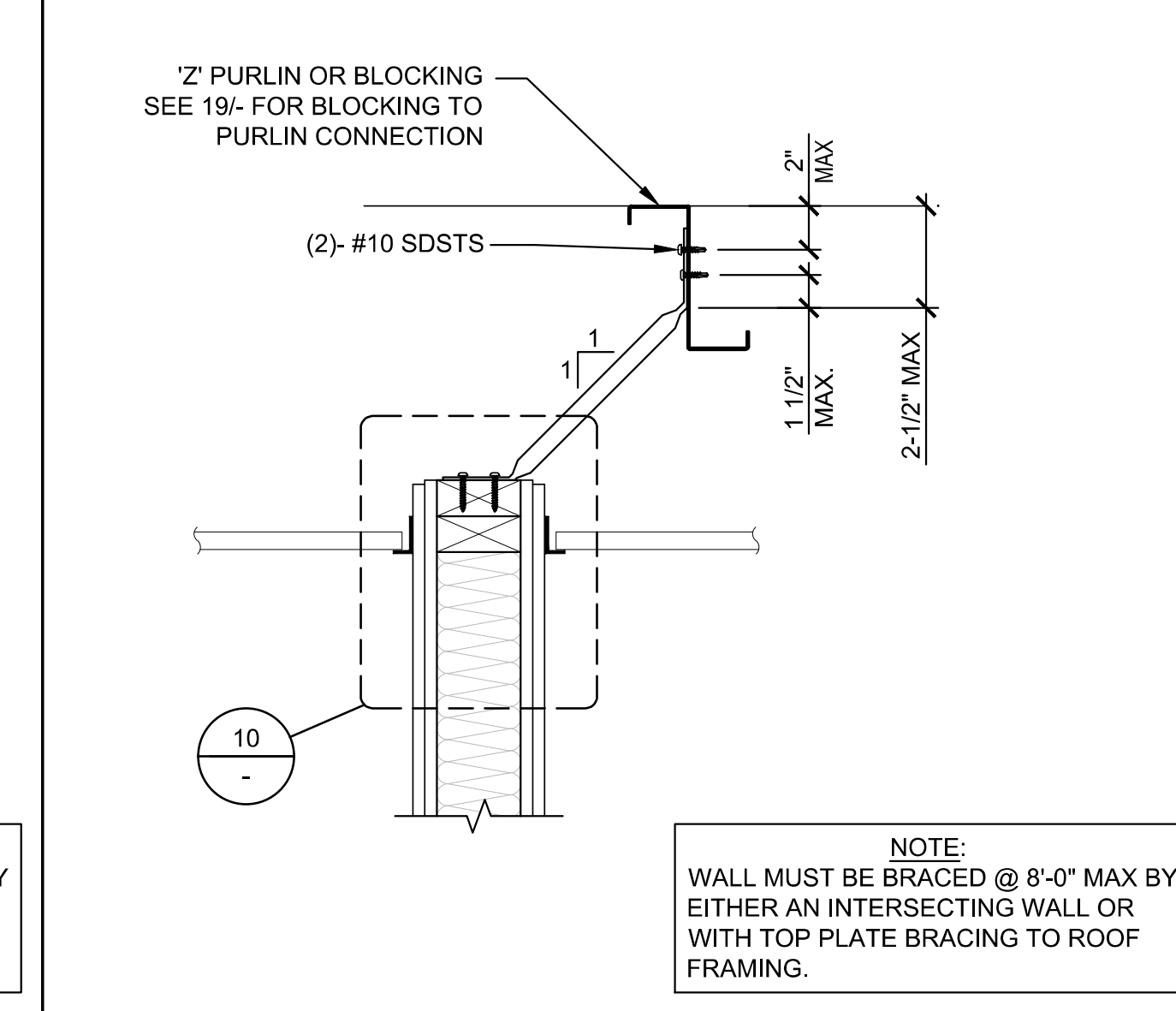
TYP. INTERIOR WALL BRACING
 BRACE PARALLEL TO PURLINS
 SCALE: 1-1/2" = 1'-0"



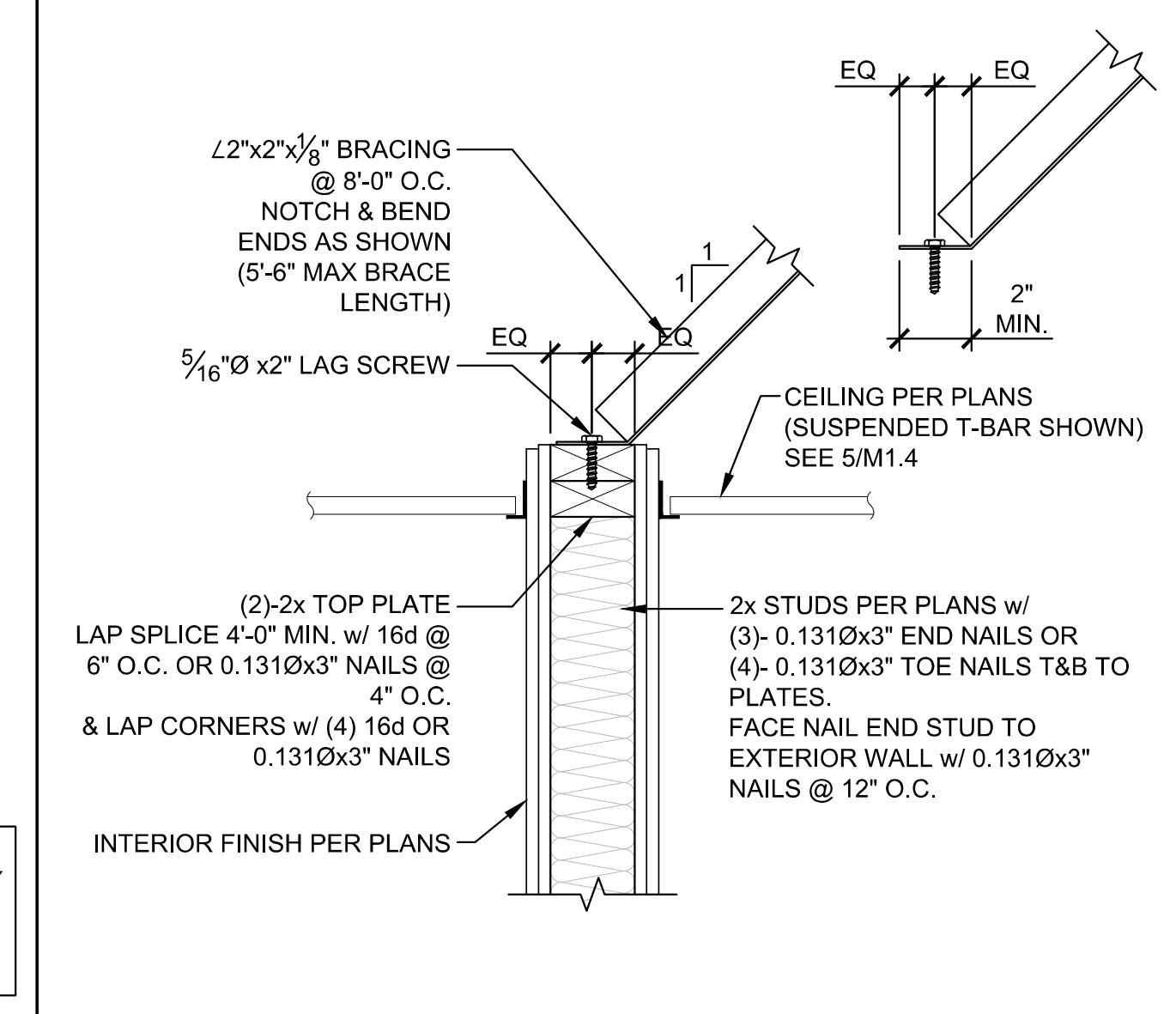
TYP. INTERIOR WALL BRACING
 BRACE PERPENDICULAR TO PURLINS
 SCALE: 1-1/2" = 1'-0"



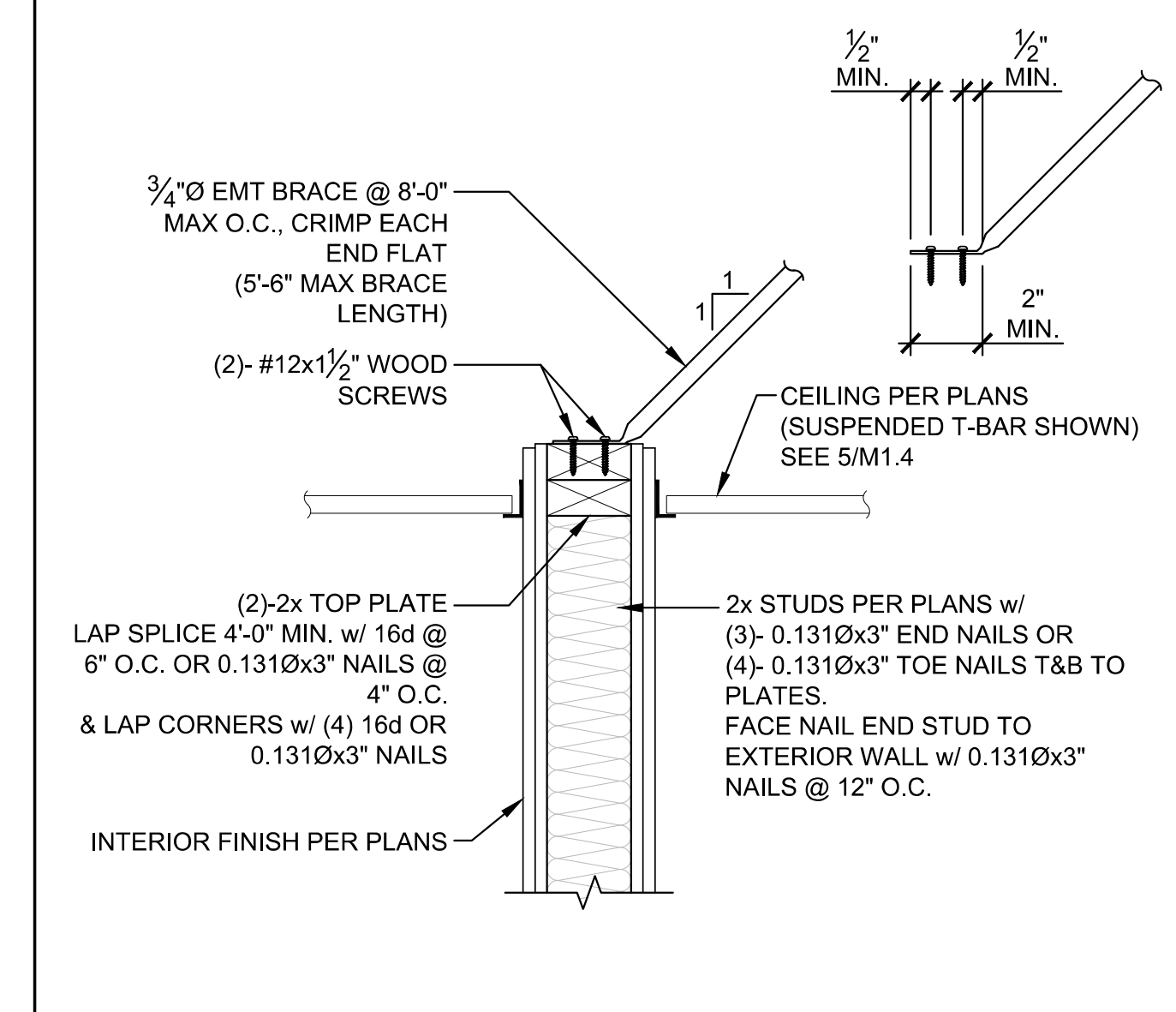
ALT. INTERIOR WALL BRACING w/ EMT BRACE
 BRACE PARALLEL TO PURLINS
 SCALE: 1-1/2" = 1'-0"



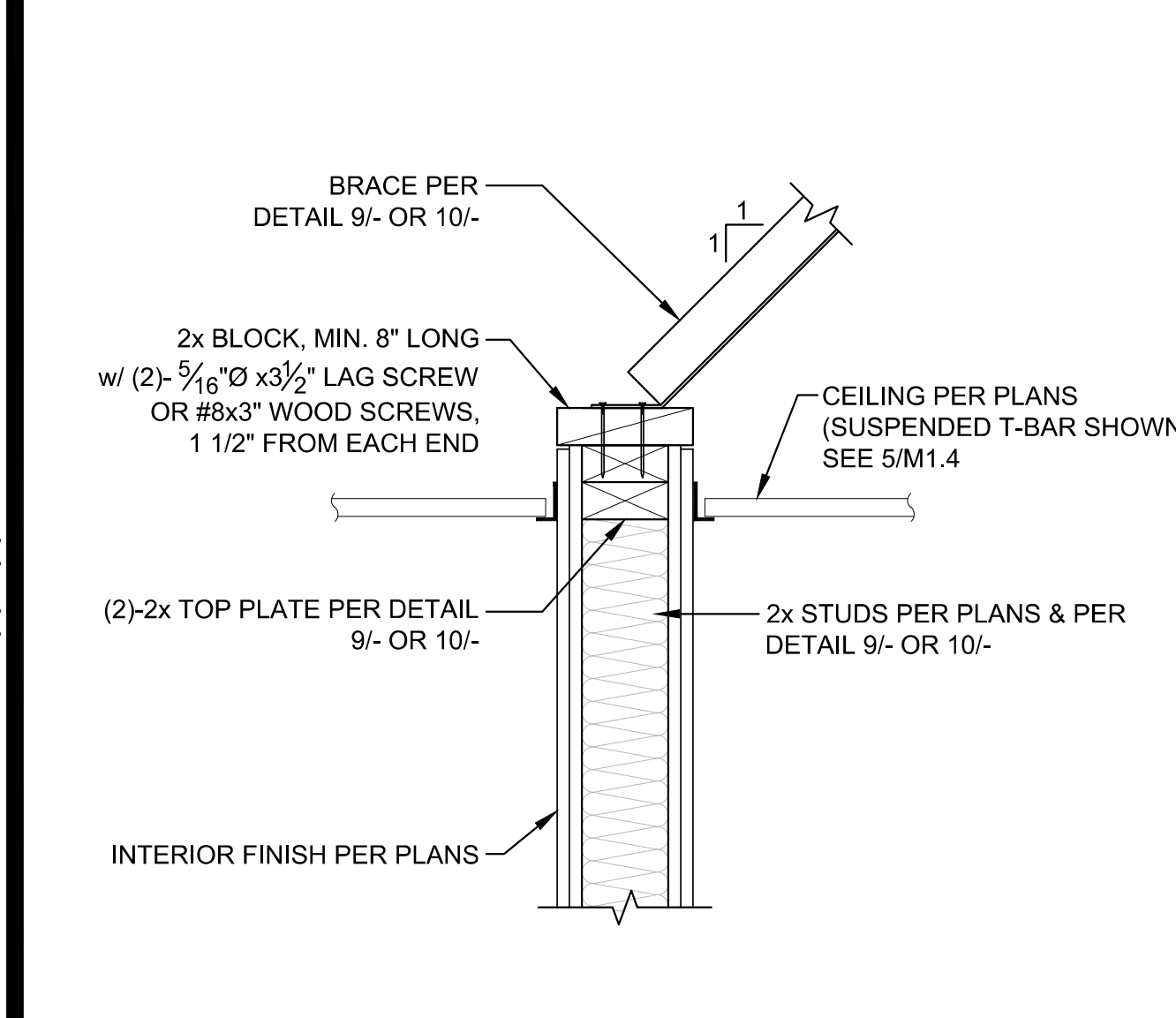
ALT. INTERIOR WALL BRACING w/ EMT BRACE
 BRACE PERPENDICULAR TO PURLINS
 SCALE: 1-1/2" = 1'-0"



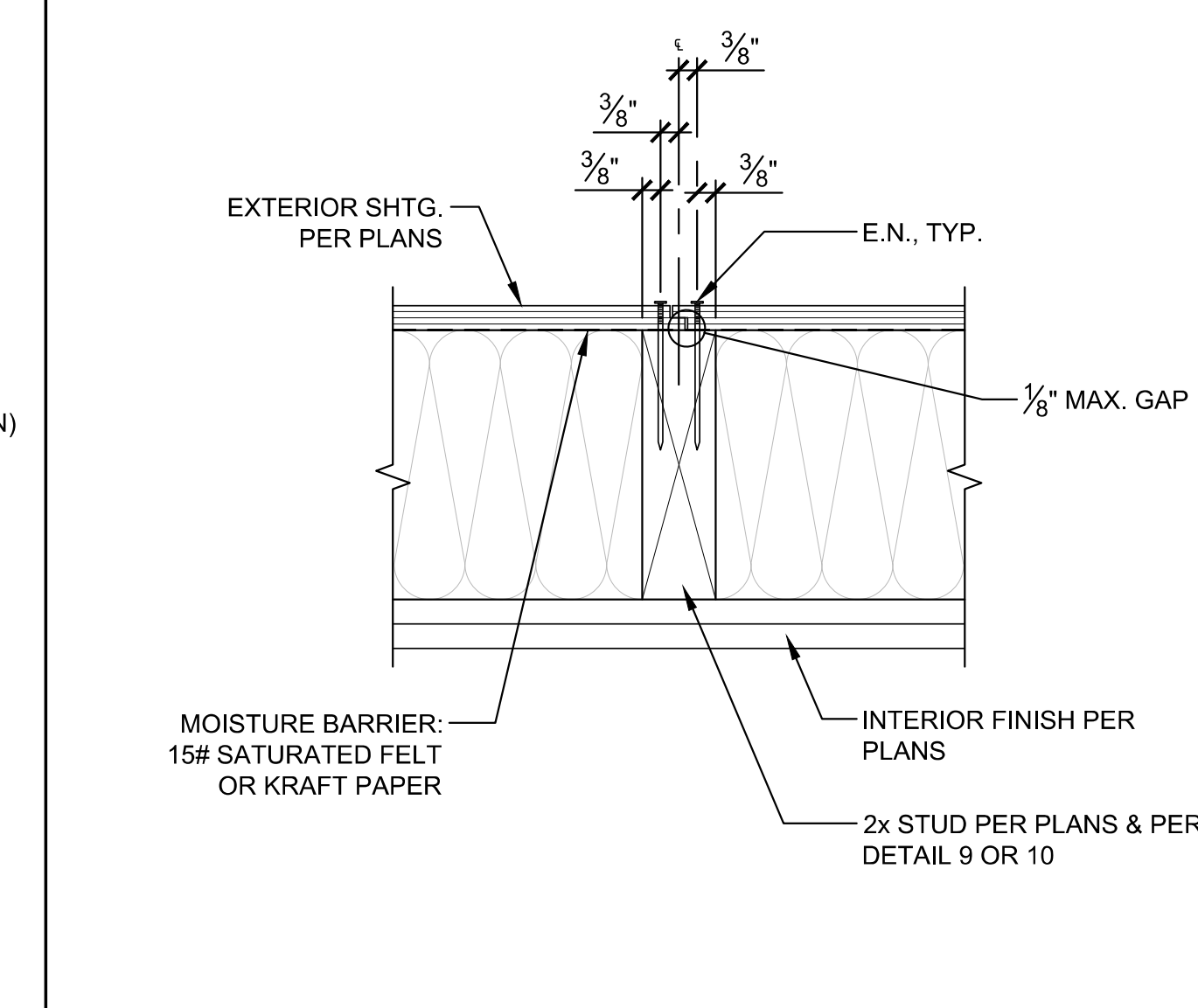
TYP. INTERIOR WALL BRACING
 INTERIOR PARTITION BRACING
 SCALE: 1-1/2" = 1'-0"



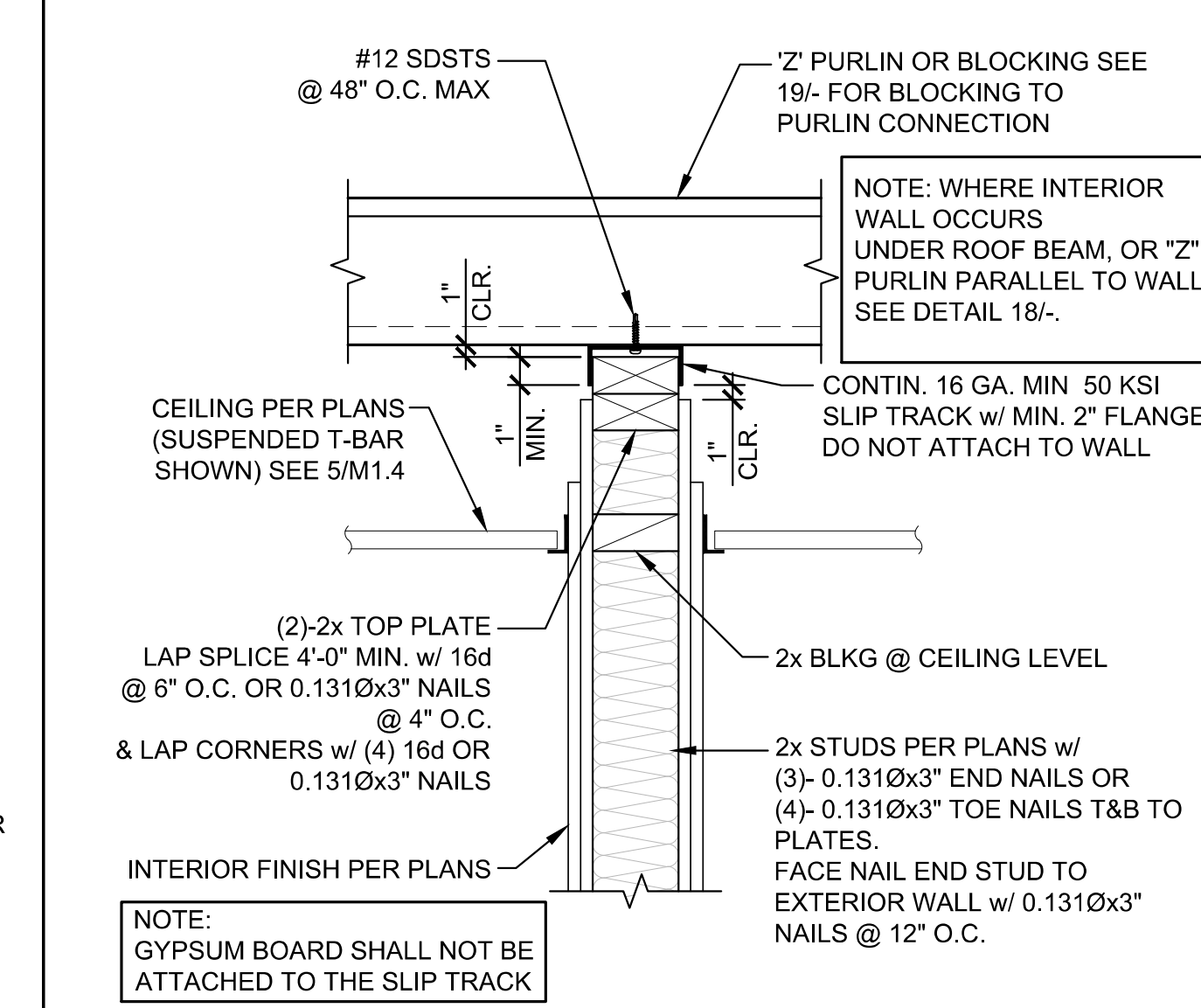
ALT. INTERIOR WALL BRACING
 INTERIOR PARTITION BRACING w/ EMT BRACE
 SCALE: 1-1/2" = 1'-0"



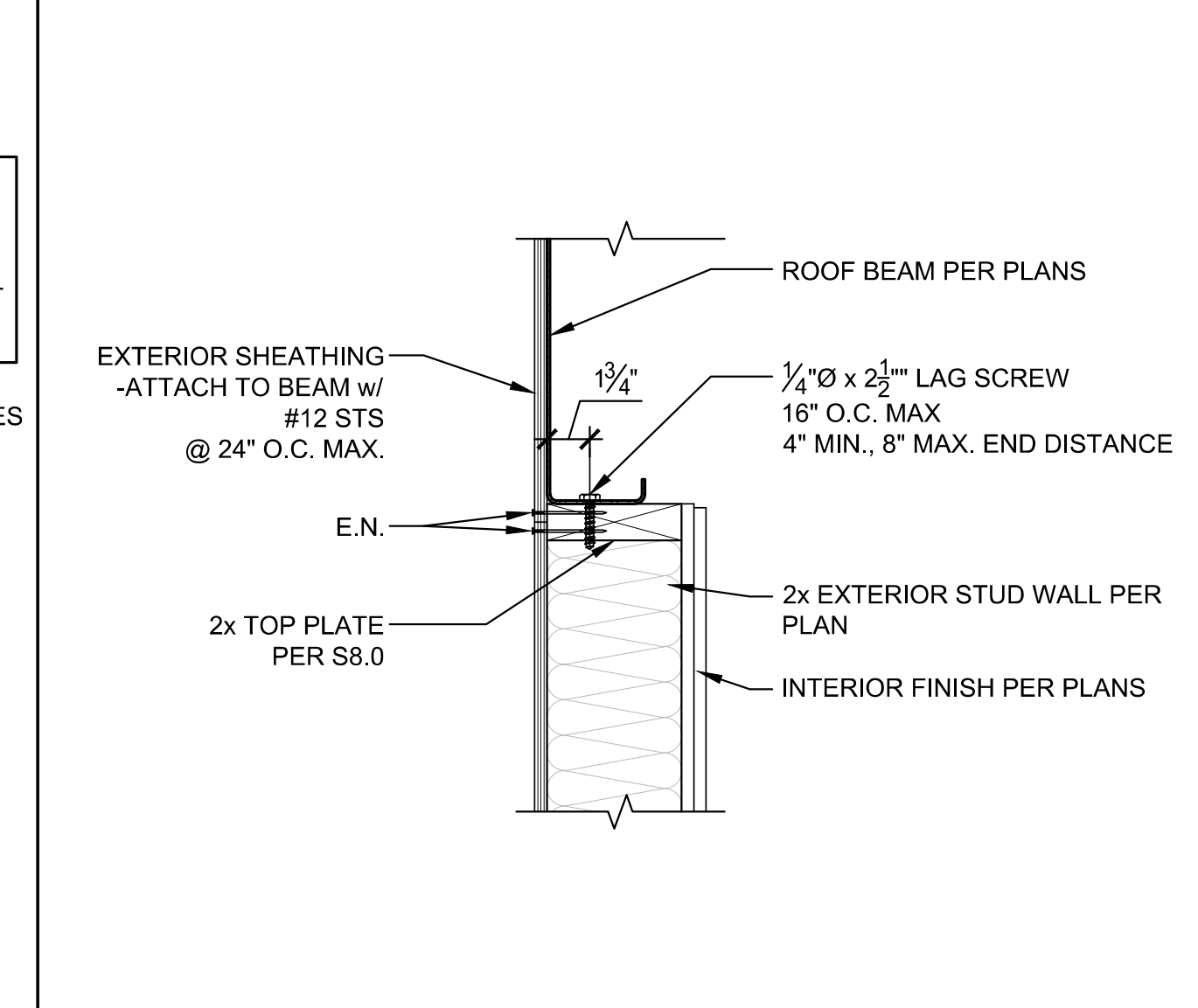
ALT. BLOCKING @ INT. WALL BRACING
 SCALE: 1-1/2" = 1'-0"



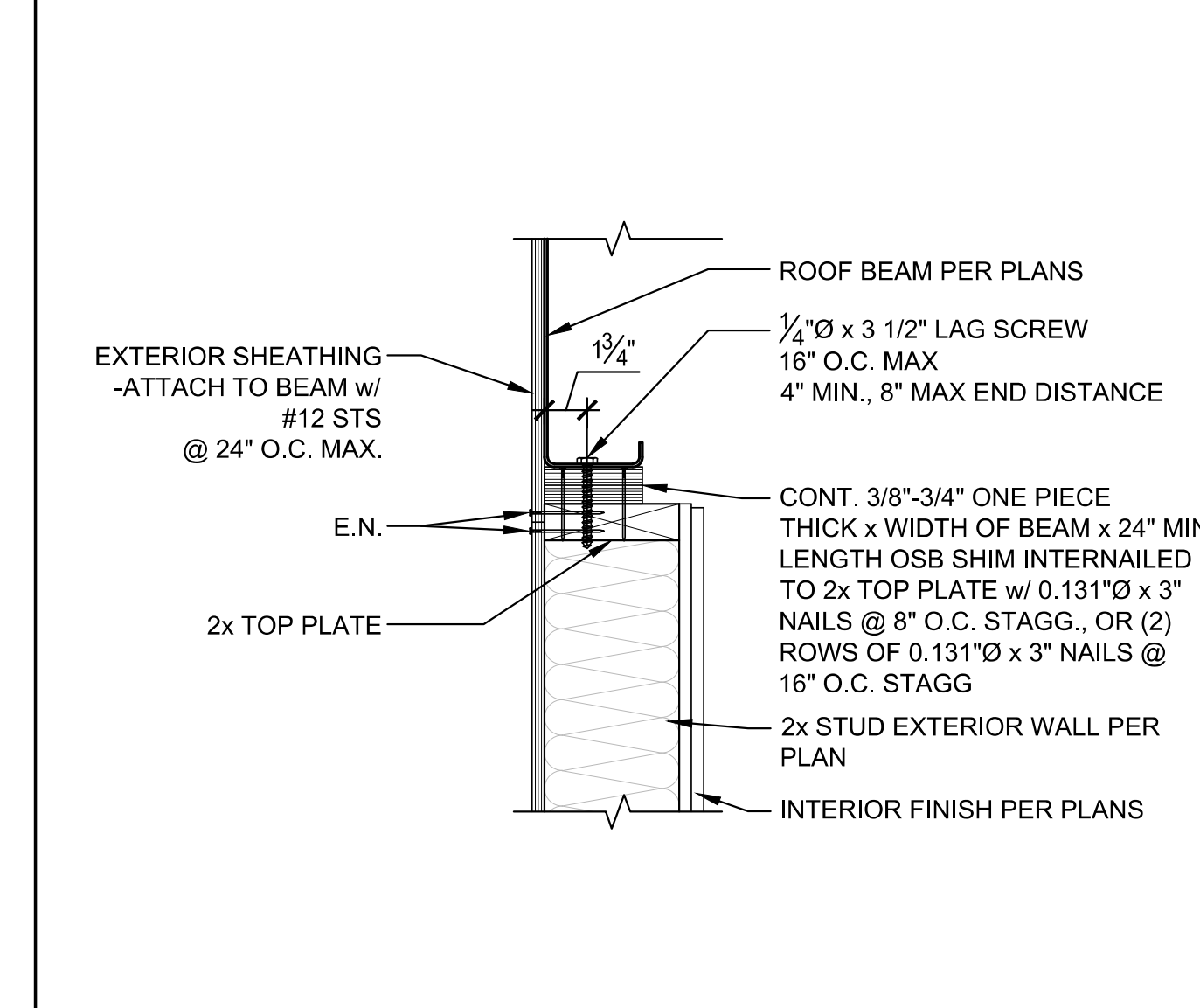
TYP. SHEATHING JOINT
 SCALE: 1-1/2" = 1'-0"



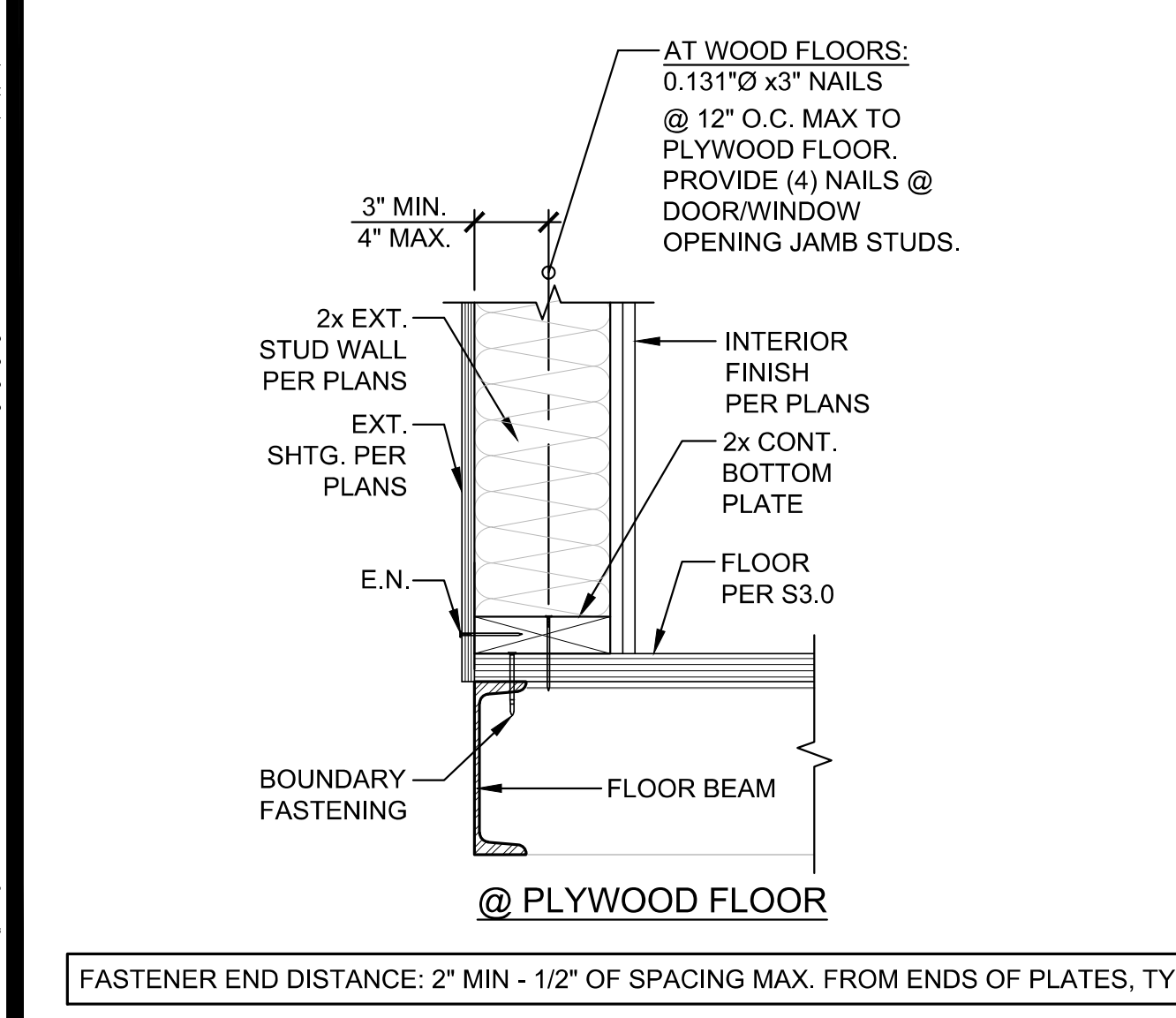
ALT. INTERIOR WALL ATTACHMENT
 TO PURLINS OR BLOCKING PERPENDICULAR TO WALL
 SCALE: 1-1/2" = 1'-0"



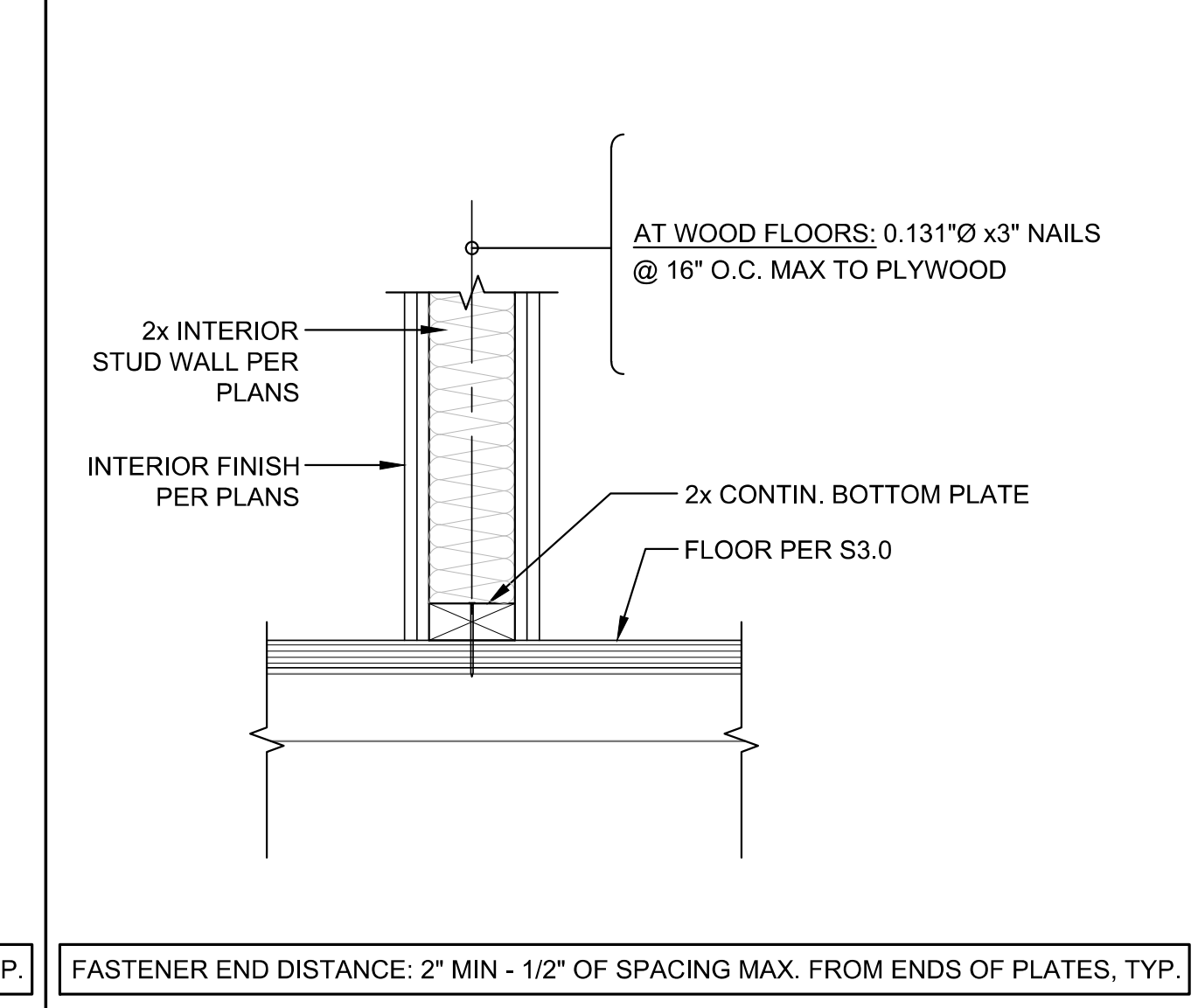
EXTERIOR WALL TO ROOF BEAM DETAIL
 SCALE: 1-1/2" = 1'-0"



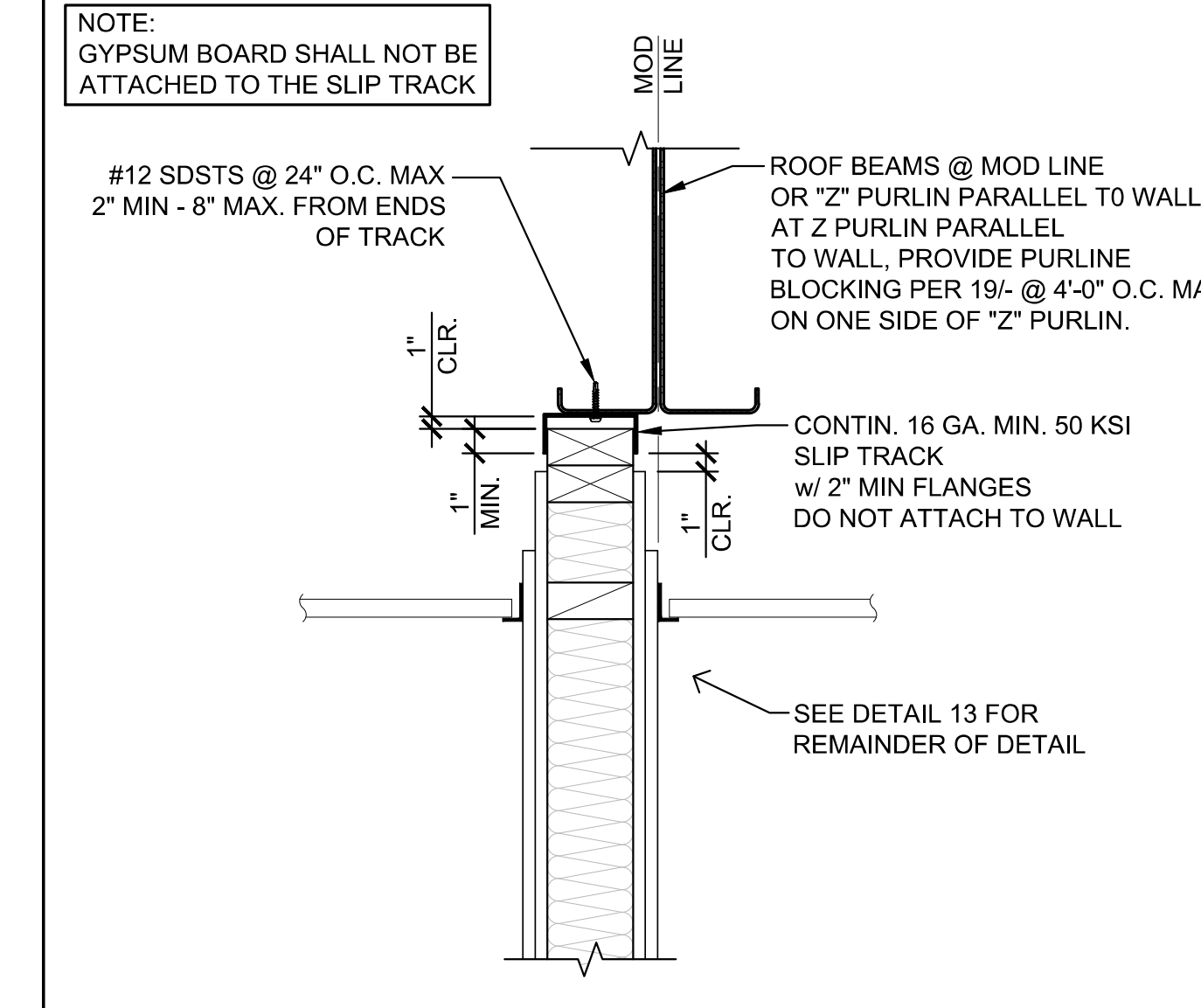
EXTERIOR WALL TO ROOF BEAM DETAIL
 AT SHIM CONDITION
 SCALE: 1-1/2" = 1'-0"



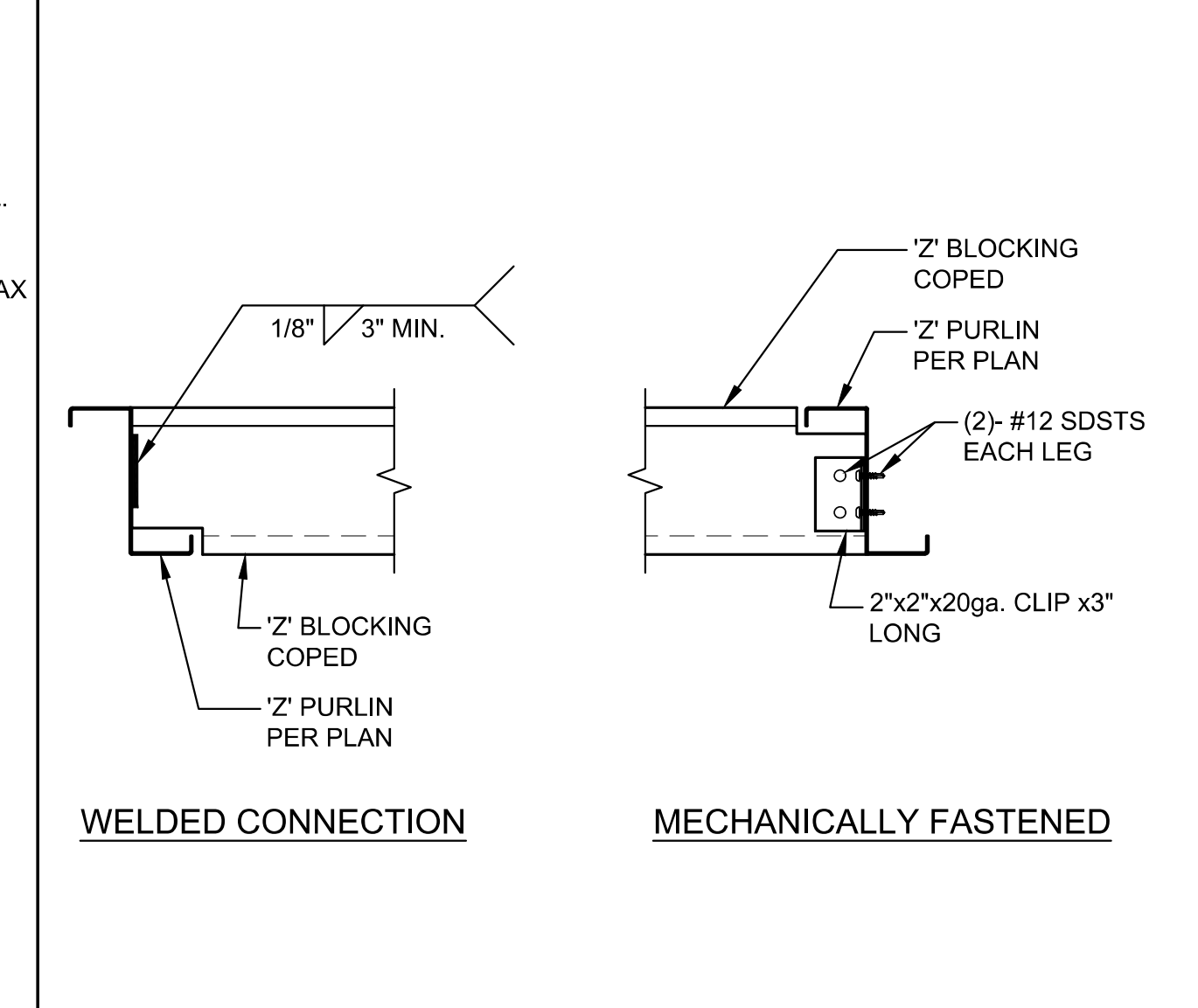
TYP. EXTERIOR WALL TO FLOOR DETAIL
 SCALE: 1-1/2" = 1'-0"



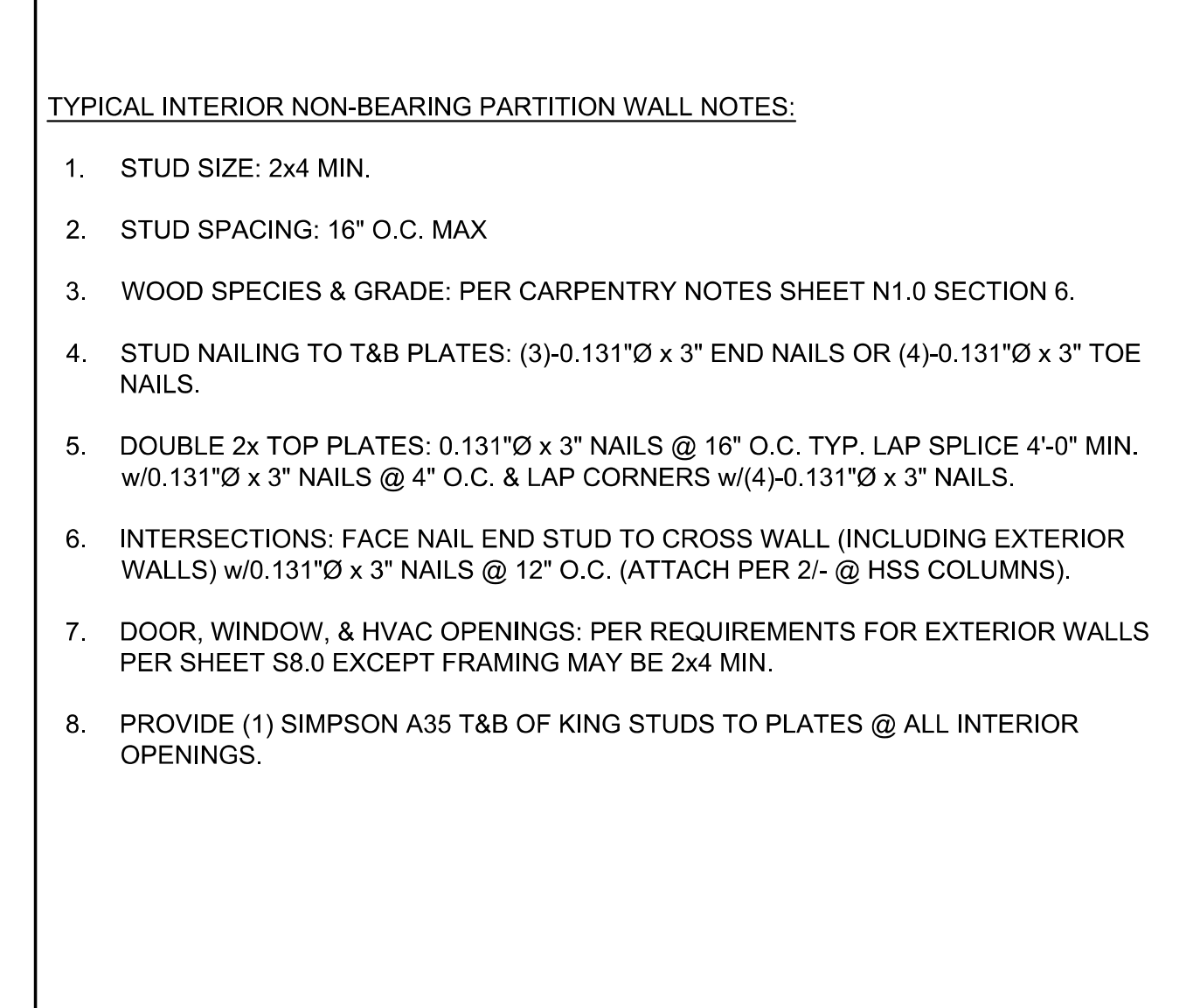
TYP. INTERIOR NON-BEARING WALL ATTACHMENT
 SCALE: 1-1/2" = 1'-0"



TYP. INTERIOR NON-BEARING WALL ATTACHMENT
 TO ROOF BEAMS @ MODLINE OR 2' PURLINS PARALLEL TO WALL
 SCALE: 1-1/2" = 1'-0"



PURLIN BLOCKING DETAILS
 SCALE: 1-1/2" = 1'-0"



PURLIN BLOCKING CONNECTIONS
 SCALE: 1-1/2" = 1'-0"

FASTENER END DISTANCE: 2" MIN - 1/2" OF SPACING MAX. FROM ENDS OF PLATES, TYP.

FASTENER END DISTANCE: 2" MIN - 1/2" OF SPACING MAX. FROM ENDS OF PLATES, TYP.

NOTE: GYPSUM BOARD SHALL NOT BE ATTACHED TO THE SLIP TRACK

NOTE: WHERE INTERIOR WALL OCCURS UNDER ROOF BEAM, OR 2' PURLIN PARALLEL TO WALL SEE DETAIL 18A.

NOTE: WALL MUST BE BRACED @ 8'-0" MAX BY EITHER AN INTERSECTING WALL OR WITH TOP PLATE BRACING TO ROOF FRAMING.

NOTE: WALL MUST BE BRACED @ 8'-0" MAX BY EITHER AN INTERSECTING WALL OR WITH TOP PLATE BRACING TO ROOF FRAMING.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120719 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS, 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 MARKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF ANY BUILDING, MODULAR OR OTHER STRUCTURE, 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 CONSIDERED A WAIVER OF AMS' INTELLECTUAL PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
24' x 40' THRU 48' x 40' (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-119283 INC.
REVIEWED FOR
SS FLS ACS CG
DATE: 09/20/2023

2019 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PRE-CHECK APPLICATION FOR CONSTRUCTION IS REQUIRED
MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENCED ARCHITECT
PATRICK H. HONG
No. C12831
Ren. 3-31-23
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MARKY D. FRENCH
No. 3380
Ren. 12-31-23
STATE OF CALIFORNIA

08/06/2021
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD

REVISIONS

DRAWN BY: ADS/AH
SCALE: AS NOTED
DATE: 03/11/21
PROJECT NO: XXXX-21
SHEET TITLE:

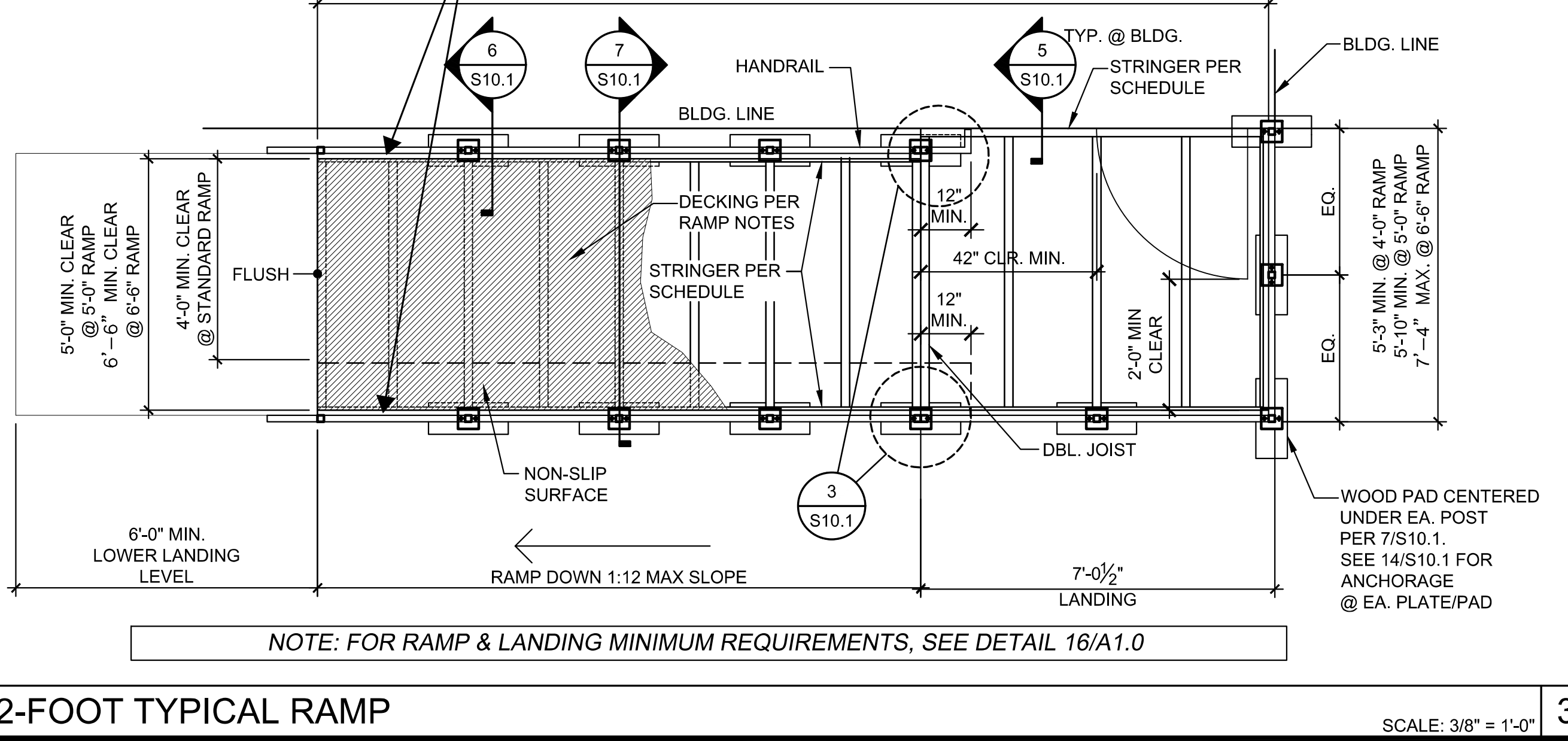
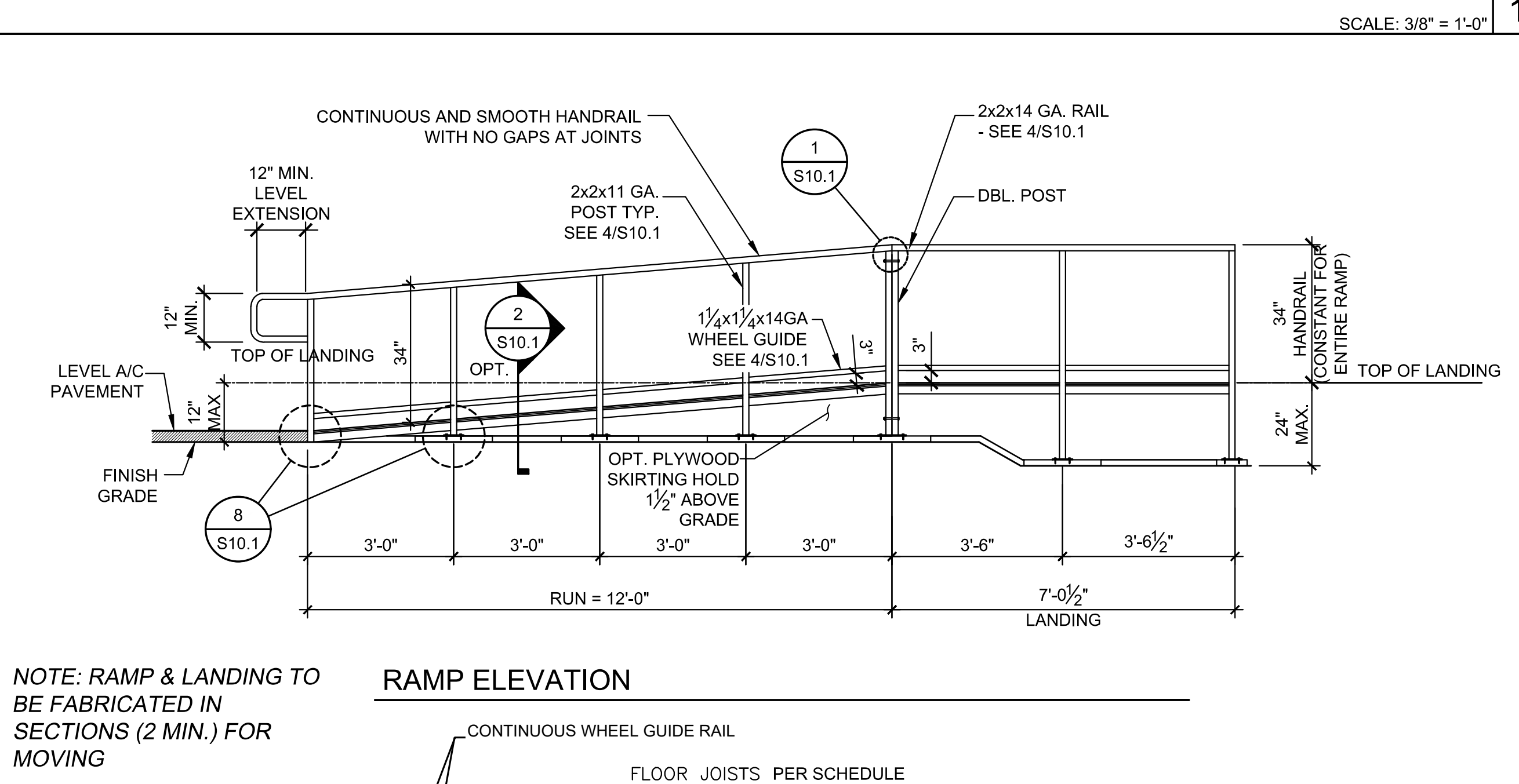
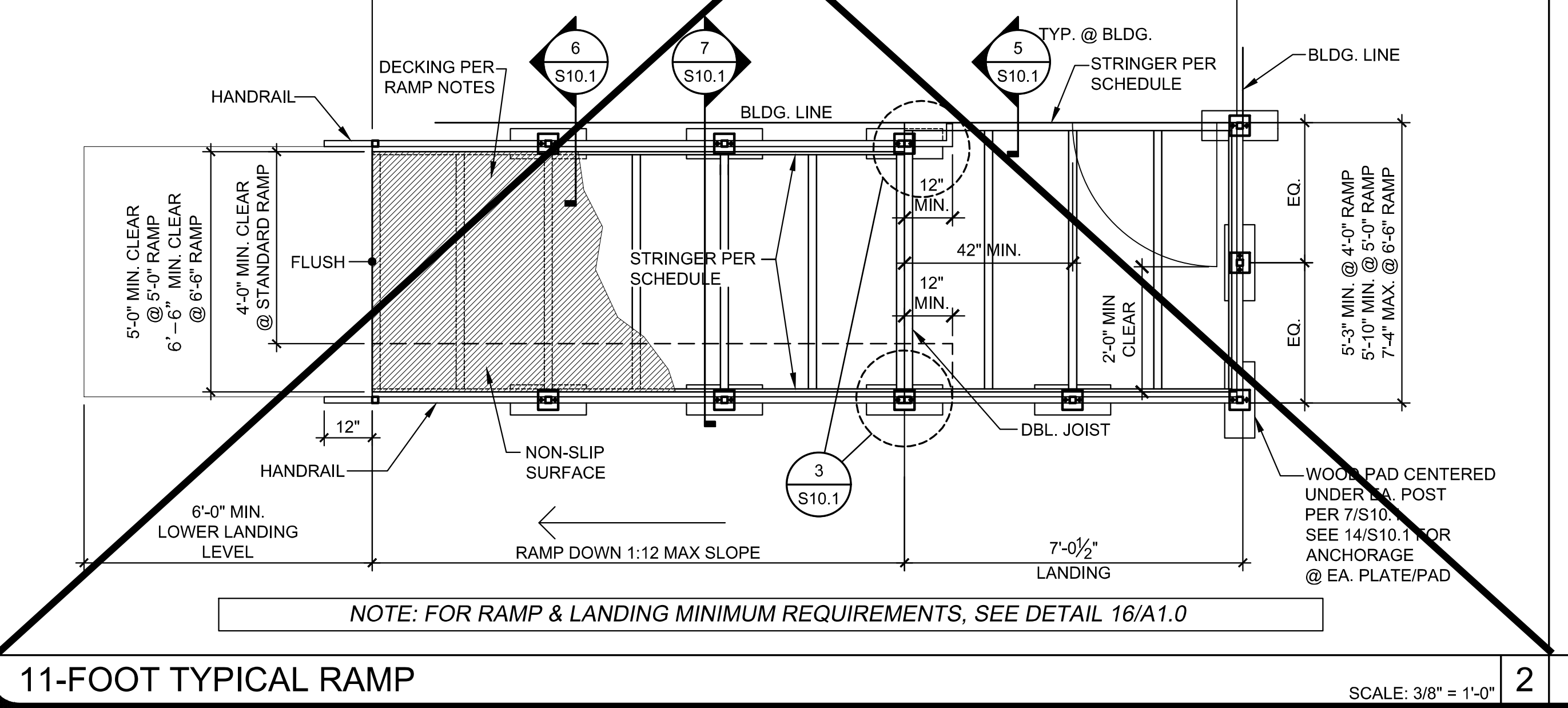
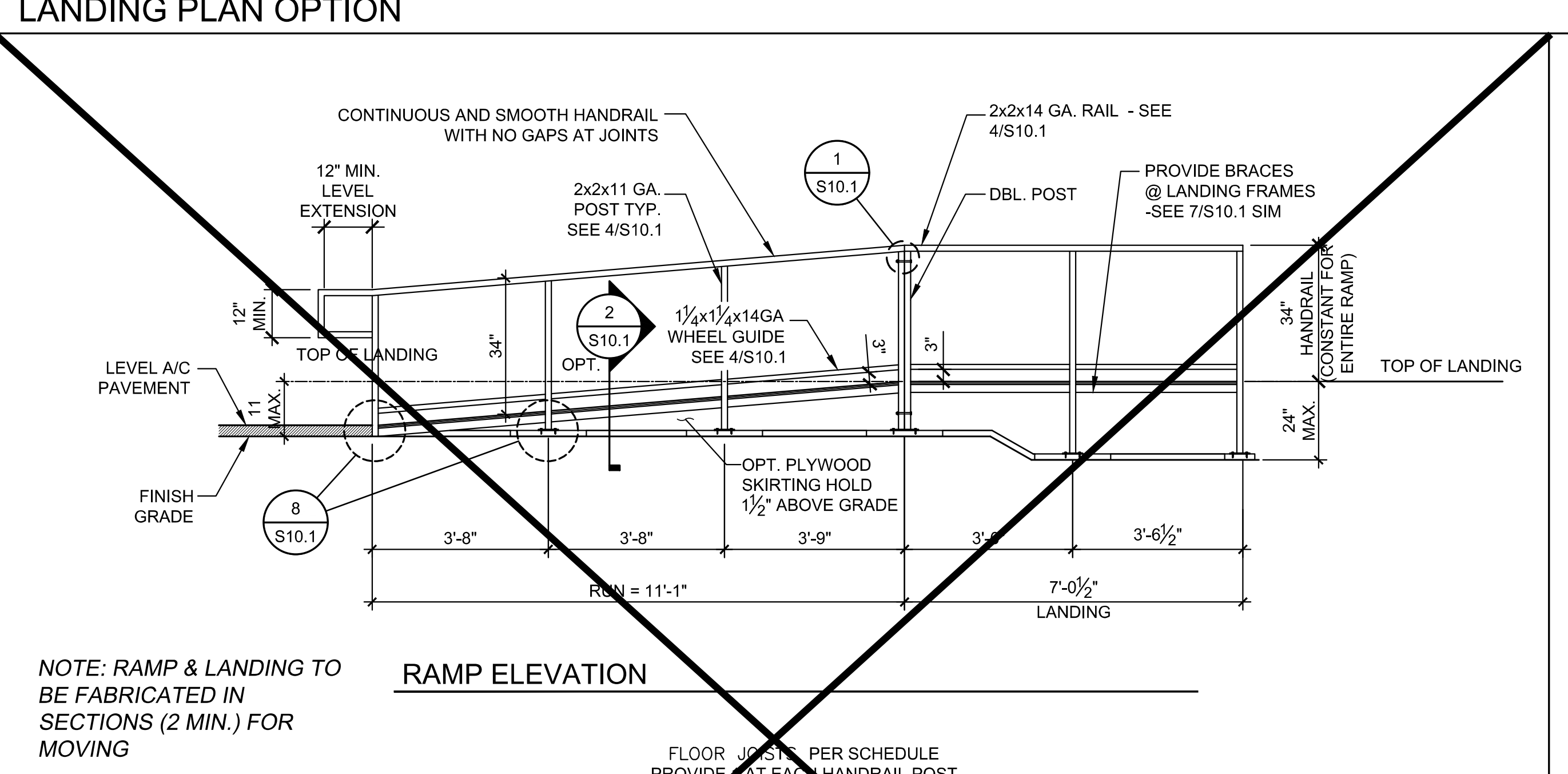
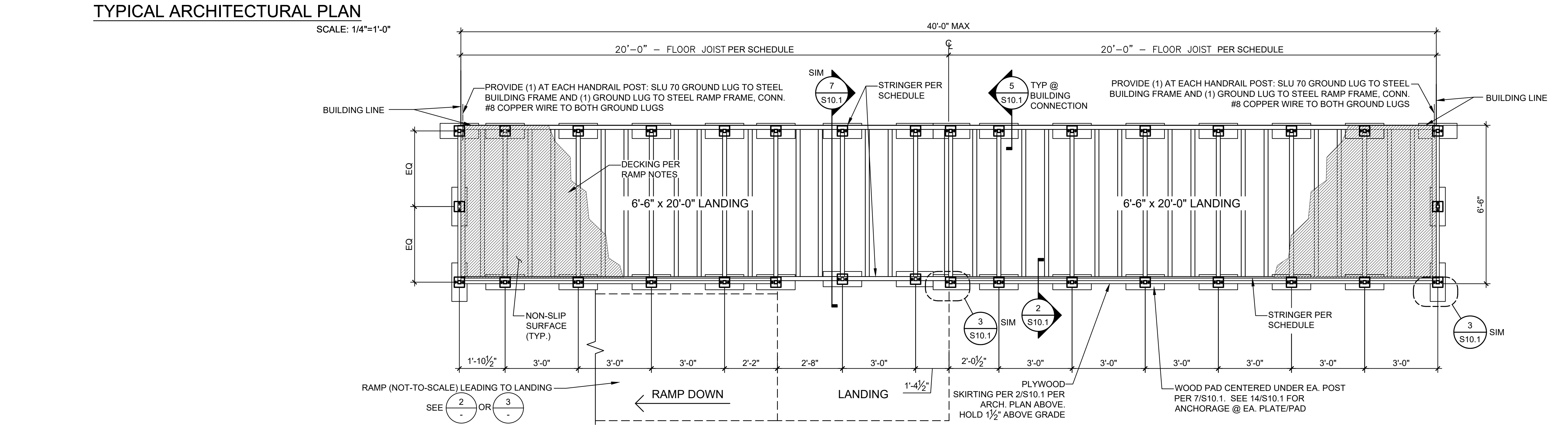
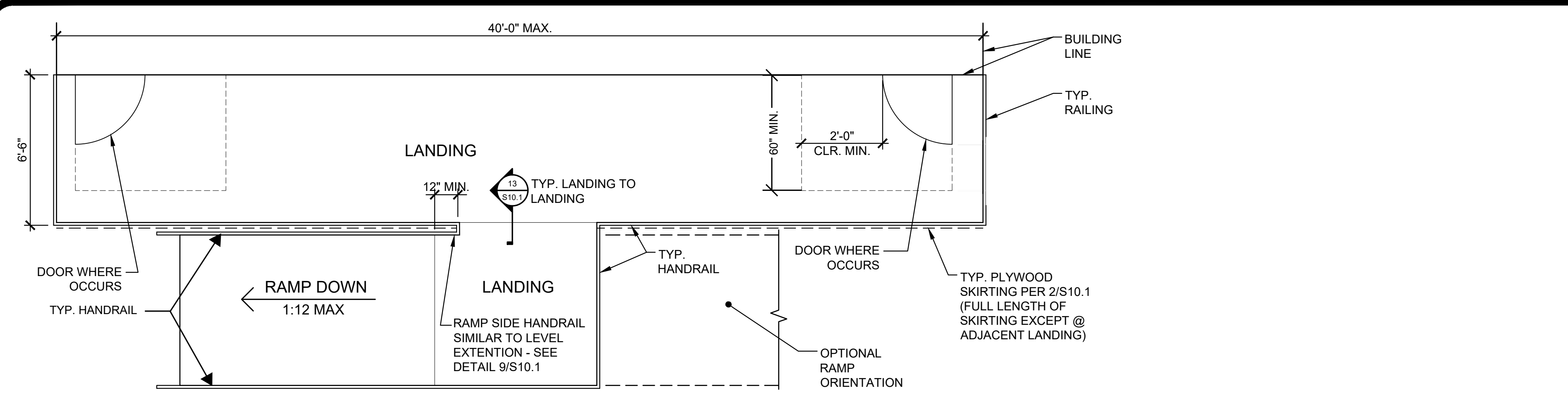
TYPICAL RAMP PLANS & NOTES

SHEET NUMBER:
S10.0

RAMP AND LANDING DATA

OCCUPANCY	TO MATCH BUILDING
SNOW AND ICE LOAD	NOT CONSIDERED
RAMP LIVE LOAD (MAX. PSF)	100 (1,000# CONCENTRATED LD)
DESIGN DEAD LOADS (MAX PSF)	12.0
ALLOWABLE SOIL PRESSURE (PSF)	1,000 FOR WOOD FOUNDATION
LATERAL LOADS	TO MATCH MAX BUILDING REQUIREMENTS
LANDING - PERPENDICULAR TO RAMP DIRECTION & RAMP	OTHER SELF-SUPPORTING STRUCTURE (SEE FRAMES - 7/S10.1)
LANDING - PARALLEL TO RAMP DIRECTION	PLYWOOD SKIRTING (SHEARWALL)* (SEE DETAIL 2/S10.1)

*NOTE: LANDING SECTIONS BUILT UP AGAINST THE BUILDING ARE NOT REQUIRED TO HAVE SKIRTING PER DETAIL 2/S10.1. THE LANDING IS DESIGNED AS AN OPEN FRONT DIAPHRAGM TO BE LATERALLY CANTILEVERED OFF THE FRONT SKIRTING AND THE FRAMES DETAILED ON 7/S10.1.



1. ENTRY RAMP AND LANDING SPECIFICATIONS
EACH BUILDING SHALL HAVE A RAMP AND LANDING TO CONFORM TO TITLE 24 C.C.R. SECTIONS 11B-405, 1010 AND 1012. THE RAMP AND LANDING STRUCTURES INCLUDING HANDRAILS AND WHEEL GUIDE RAILS ARE TO BE PREFABRICATED METAL IN SECTIONS THAT ARE DEMOUNTABLE FOR MOVING AND REINSTALLATION AT A NEW SITE. HANDRAILS AND WHEEL GUIDE RAILS SHALL BE CONTINUOUS AND SMOOTH WITH NO GAPS AT JOINTS. DESIGN SHALL BE SUCH THAT HEIGHT ADJUSTMENT CAN BE MADE AT THE INSTALLATION SITE. THE RAMP AND LANDING SURFACE SHALL BE 3/4" MARINE GRADE PLYWOOD OR 1GA SHEET METAL. RAMP AND LANDING SHALL HAVE A NON-SLIP SURFACE FINISH APPLIED. NON-SLIP FINISH SHALL BE AMCOE GRIP II MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL RAMP SURFACES SHALL BE PAINTED AS INDICATED IN SECTION 9B ON SHEET N1.0. RAMP SHALL HAVE HANDRAILS ON BOTH SIDES. WALL MOUNTED HANDRAILS SHALL BE OF SIMILAR CONSTRUCTION TO THE INTEGRAL RAMP HANDRAIL AND MOUNTED AT THE SAME HEIGHT. RAMP AND LANDING SHALL BE FULLY SKIRTING WITH THE SAME MATERIAL USED FOR BUILDING SKIRT. SIDES OF RAMP AND LANDING THAT DO NOT ADJOIN BUILDING WALL SHALL BE SKIRTED. ALL EDGES OF THE PLYWOOD SKIRT SHALL BE SUPPORTED AND PROTECTED FROM WEATHER. FOUNDATION MEMBERS SHALL BE AS FOR BUILDING FOUNDATION. ONLY THE FOUNDATION PAD RESTING ON GRADE MAY EXTEND BEYOND THE OUTSIDE FACE OF THE SKIRT 1" MAXIMUM.

2. FLOOR DECKING
3/4" MARINE EXTERIOR A.P.A. 48/24 PLYWOOD w/ NON-SLIP SURFACE. DECK SURFACES SHALL BE SEALED ON ALL SIDES. FASTENED TO STEEL FRAMING WITH #10 SELF DRILLING BUGLE HEAD 1" GALV. SCREWS OR 0.144"x1 1/2" MIN. GALV. ST&F PINS (APMO REPORT ER-335) OR EQUIV. @ 6" O.C. EDGES AND 12" O.C. FIELD. TYP. PROVIDE ATTACHMENT @ 6" O.C. TO JOISTS BETWEEN HANDRAIL POST AS SHOWN ON DETAIL 7/S10.1.

3. ALT. FLOOR DECKING
10 GA. SHEET METAL WITH NON-SLIP SURFACE (0.8 MIN COEFFICIENT OF FRICTION) ATTACHED TO STEEL FRAMING WITH #12x1 STS @ 6" O.C. E.N. & 12" O.C. F.N. PROVIDE ATTACHMENT @ 6" O.C. TO JOISTS BETWEEN HANDRAIL POST AS SHOWN ON DETAIL 7/S10.1. MATERIAL STRENGTH SHALL BE 36 KSI MIN. W/ A MODULUS OF ELASTICITY OF 29,500 KSI ± 3%. ACCEPTABLE STEEL MATERIALS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: ASTM A1011 SS GRADE 36 (Fy=36 KSI) ASTM A653 SS GRADE 37 (Fy=37 KSI) ASTM A1008 SS GRADE 40 (Fy=40 KSI).

4. GROUNDING OF BUILDING COMPONENT
CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECESSARY CONNECTORS TO GROUND THE METAL PORTIONS OF THE BUILDING (I.E. FRAME, RAMP, ETC.) GROUNDING ROD, WIRES AND TESTING SHALL BE PROVIDED BY OTHER AND MEET THE REQUIREMENTS OF I.R. E-1 ISSUED BY D.S.A.

5. RAMP SLOPE
RAMP SHALL NOT SLOPE MORE THAN 1" RISE OVER A 12" RUN (1:12). CROSS SLOPE SHALL NOT EXCEED 1:48.

6. HANDRAILS
HANDRAILS SHALL BE INSTALLED ON BOTH SIDES OF RAMP AT 34" HIGH. HANDRAILS SHALL BE AT A CONSISTENT VERTICAL HEIGHT FOR THE ENTIRE STRUCTURE.

7. RAMP PLANNING
DUE TO VARYING SITE CONDITIONS, THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 24". THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 24'-0" LONG AT A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY AMS, INC. IS 12'-0" LONG AT A SLOPE OF 1:12. THEREFORE THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS AMS, INC. RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON THIS SHEET.

8. LANDINGS
OVERALL LENGTH OF A LANDING MAY VARY FROM 60" UP TO 40'-0". LENGTH MUST CONFORM TO APPROVED LANDING. SLOPE LANDING NOT TO EXCEED 1:48 TO PREVENT WATER PONDING.

9. FASTENERS
ALL EXTERIOR USE FASTENERS SHALL BE GALVANIZED OR STAINLESS STEEL.

10. WELDING
THE DESIGN PROFESSIONAL HAS EXEMPTED THIS RAMP FROM SPECIAL INSPECTION REQUIREMENTS FOR MATERIAL IDENTIFICATION AND STRUCTURAL WELDING. RAMP SHALL NOT BE MODIFIED NOR HAVE SHIMS ADDED CAUSING THE DISTANCE BETWEEN THE HIGHEST RAMP WALKING SURFACE AND THE ADJACENT GRADE TO BE MORE THAN 30 INCHES. IF THIS CONDITION IS NOT MET, STRUCTURAL TESTING AND/OR INSPECTION WILL BE REQUIRED TO VERIFY MATERIALS AND STRUCTURAL WELDING. THIS APPLIES TO SLOPES OF WORK INCLUDING NEW CONSTRUCTION, ALTERATION, OR RELOCATION OF THE RAMP.

RAMP NOTES

RAMP/LANDING WIDTH	STRINGER SCHEDULE ⁽¹⁾		
	MAX STRINGER SPANS (FT)		
	3'-0"	3'-6"	3'-9"
4'-0"	2x2x11 GA	2x2x11 GA	HSS 2x2x3/8
5'-0"	2x2x11 GA	2x2x11 GA	HSS 2x2x3/8
5'-10"	2x2x11 GA	2x2x11 GA	HSS 2x2x3/8
6'-6"	2x2x11 GA	2x2x11 GA	HSS 2x2x3/8
7'-4"	2x2x11 GA	2x2x11 GA	HSS 2x2x3/8

(1) SEE 4/S10.1 FOR LIGHT GAUGE STEEL TUBE PROPERTIES. SIZES INDICATED ARE MINIMUM. THICKER TUBES MAY BE USED. HSS 2x2x1/8 OR LARGER PER 11/S10.1 MAY BE SUBSTITUTED FOR LIGHT GAUGE TUBES.

JOIST SCHEDULE⁽¹⁾

RAMP/ LANDING WIDTH	MAX JOIST SPACING			
	2x2x14 GA.		HSS 2x2x3/8	
	DECKING	DECKING	DECKING	DECKING
4'-0"	16"	11"	16"	14"
5'-0"	14"	11"	16"	14"
5'-5/2"	-	-	12"	12"
5'-10"	-	-	12"	12"
6'-6"	-	-	12"	12"
7'-4"	-	-	9"	11"

(1) SEE 4/S10.1 FOR LIGHT GAUGE STEEL TUBE PROPERTIES, AND 11/S10.1 FOR HSS PROPERTIES

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 MARKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF ANY BUILDING, MODULAR OR OTHER STRUCTURE, 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
24' x 40' THRU 48' x 40' (HIGH SEISMIC)
2GO
 SITE SPECIFIC PROJECT NAME

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119283-PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021

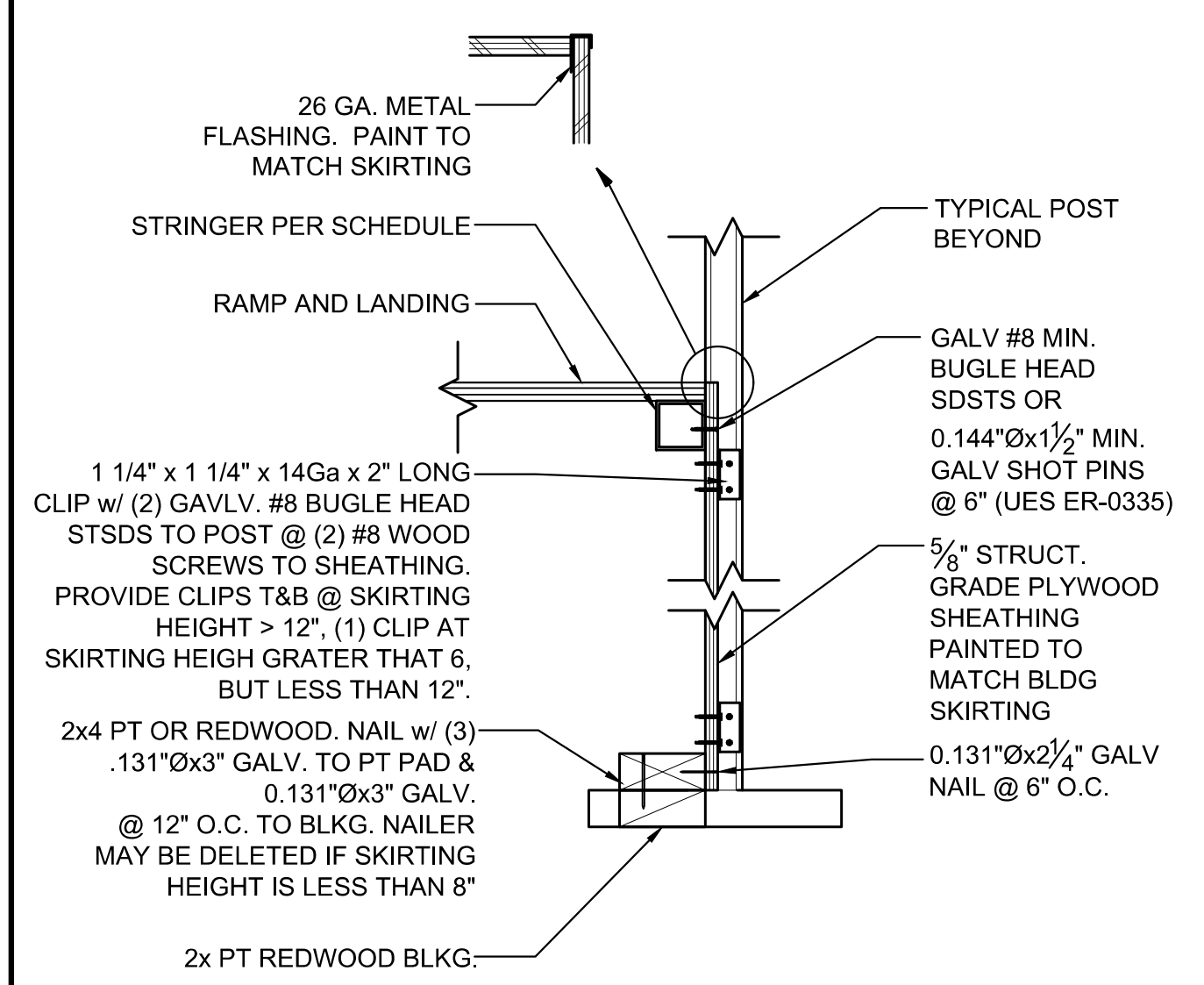
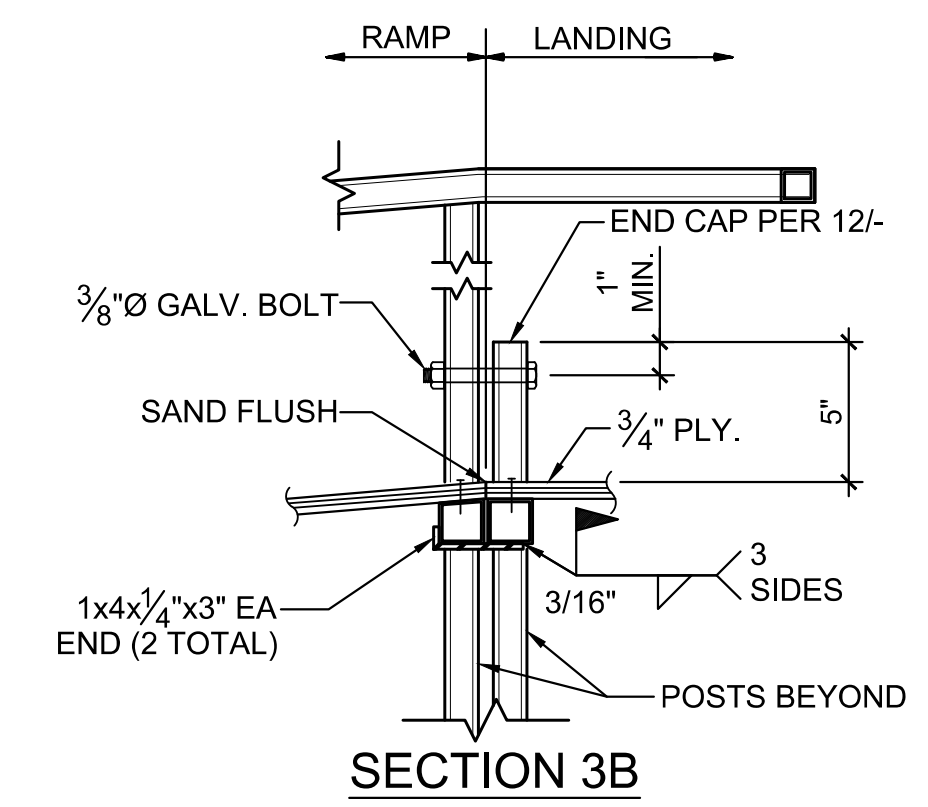
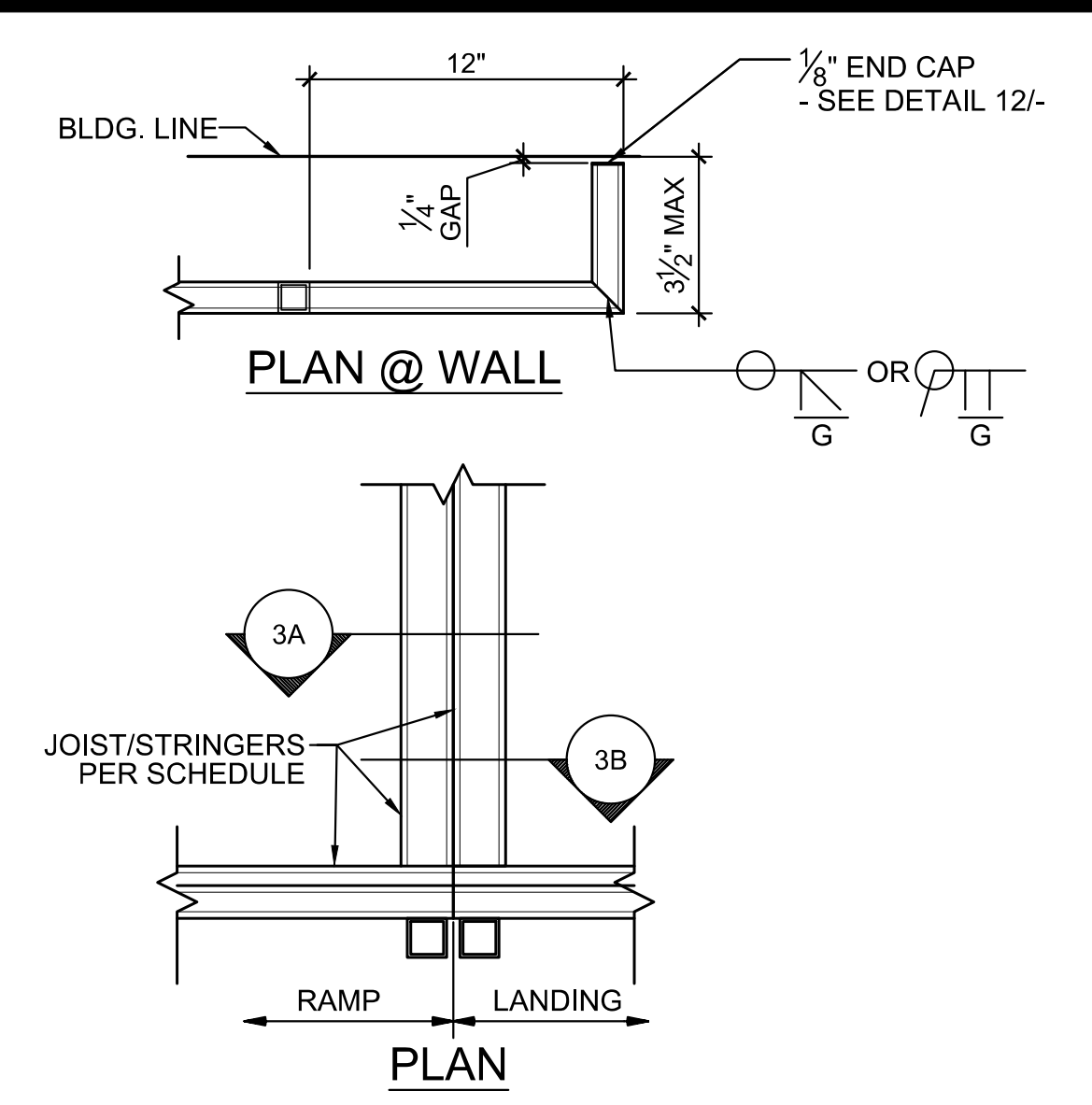
2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
 MANUFACTURER PROFESSIONAL OF RECORD ON PC

 08/06/2021
 THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

REVISIONS

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21
 SHEET TITLE: RAMP DETAILS

SHEET NUMBER:
S10.1



DETAIL 1 RAMP SKIRT DETAIL SCALE: 3/8"=1'-0"

DETAIL 2 RAMP TO LANDING CONNECTION DETAIL SCALE: 3/8"=1'-0"

DETAIL 3 RAMP TO LANDING CONNECTION DETAIL SCALE: 3/8"=1'-0"

1/2"x1/2"x11 GA. TUBE
 A = 0.602 IN²
 Sx = 0.244 IN³
 Ix = 0.183 IN⁴
 t = 0.112" MIN.
 (0.1175" DESIGN)

1/4"x1/4"x11 GA. TUBE
 A = 0.725 IN²
 Sx = 0.356 IN³
 Ix = 0.312 IN⁴
 t = 0.112" MIN.
 (0.1175" DESIGN)

1/4"x1/4"x14 GA. TUBE
 A = 0.319 IN²
 Sx = 0.114 IN³
 Ix = 0.072 IN⁴
 t = 0.068" MIN.
 (0.0713" DESIGN)

1/4"x1/4"x11 GA. TUBE
 A = 0.497 IN²
 Sx = 0.163 IN³
 Ix = 0.102 IN⁴
 t = 0.112" MIN.
 (0.1175" DESIGN)

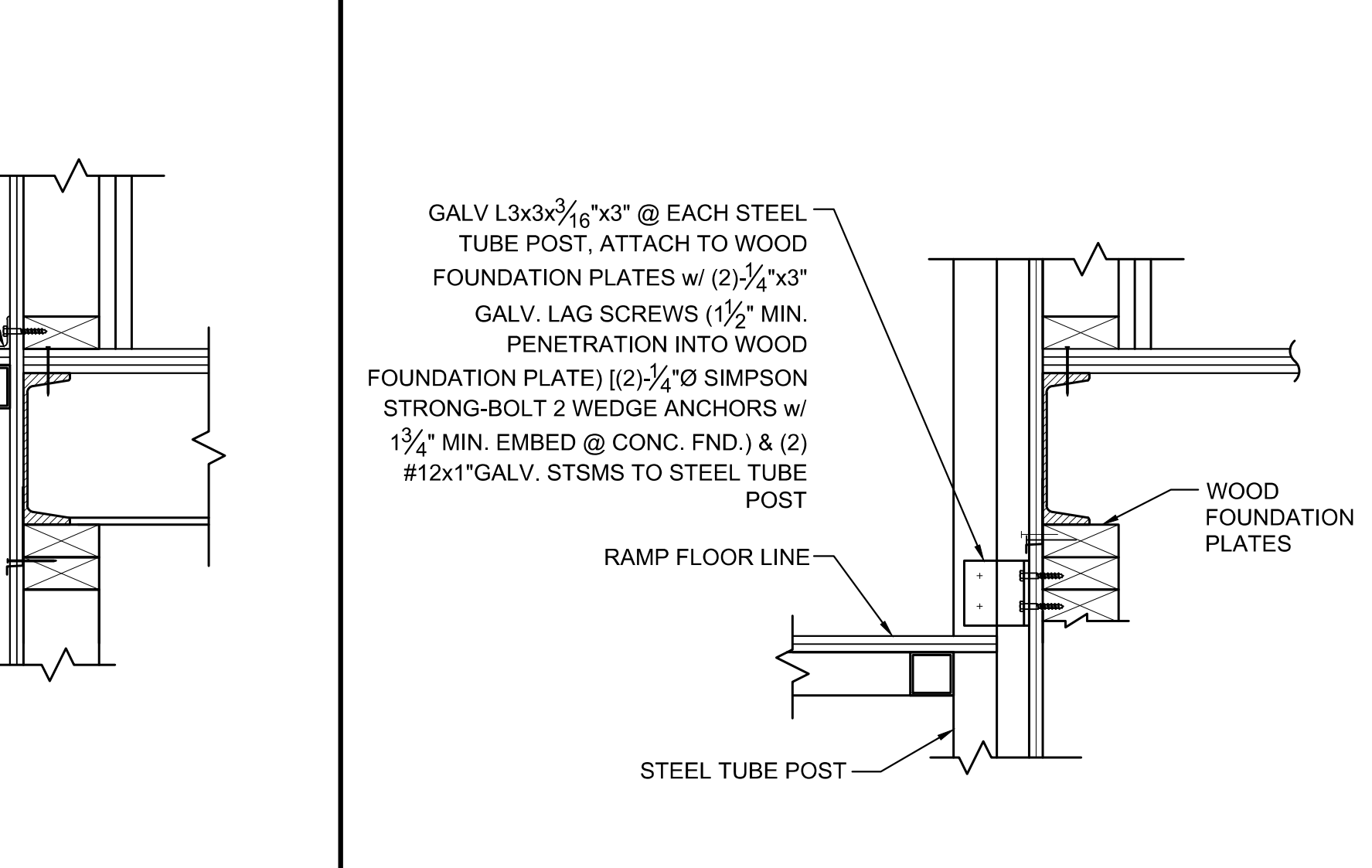
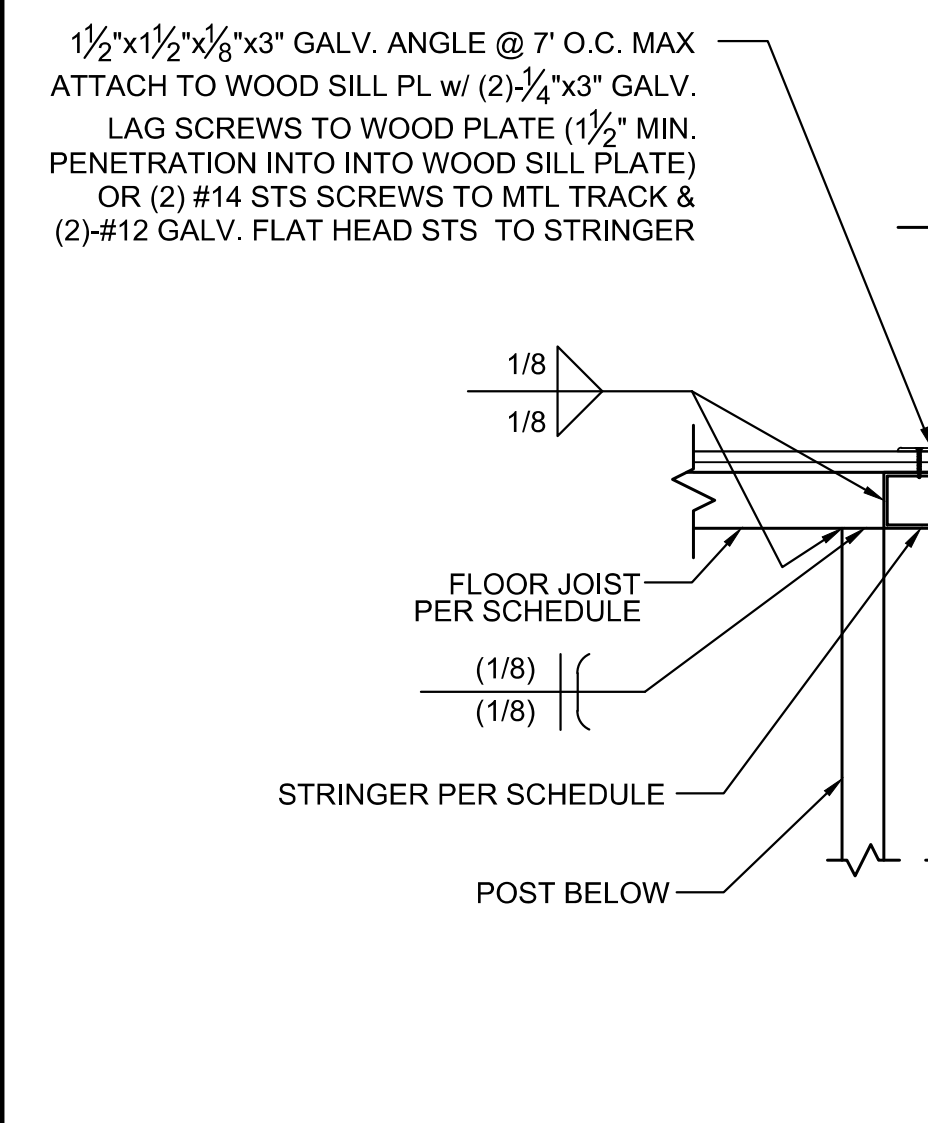
MATERIAL STRENGTH SHALL BE 36 KSI MIN. w/ A MODULUS OF ELASTICITY OF 29,500 KSI ± 3%. ACCEPTABLE STEEL MATERIALS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
 ASTM A1011 SS GRADE 36 (Fy=36 KSI)
 ASTM A653 SS GRADE 37 (Fy=37 KSI)
 ASTM A1008 SS GRADE 40 (Fy=40 KSI)

MATERIAL SHALL BE GIVEN A RUST INHIBITIVE COATING.

2"x2"x11 GA TUBE
 A = 0.837 IN²
 Sx = 0.479 IN³
 Ix = 0.479 IN⁴
 t = 0.112" MIN.
 (0.1175" DESIGN)

2"x2"x14 GA TUBE
 A = 0.533 IN²
 Sx = 0.324 IN³
 Ix = 0.324 IN⁴
 t = 0.068" MIN.
 (0.0713" DESIGN)

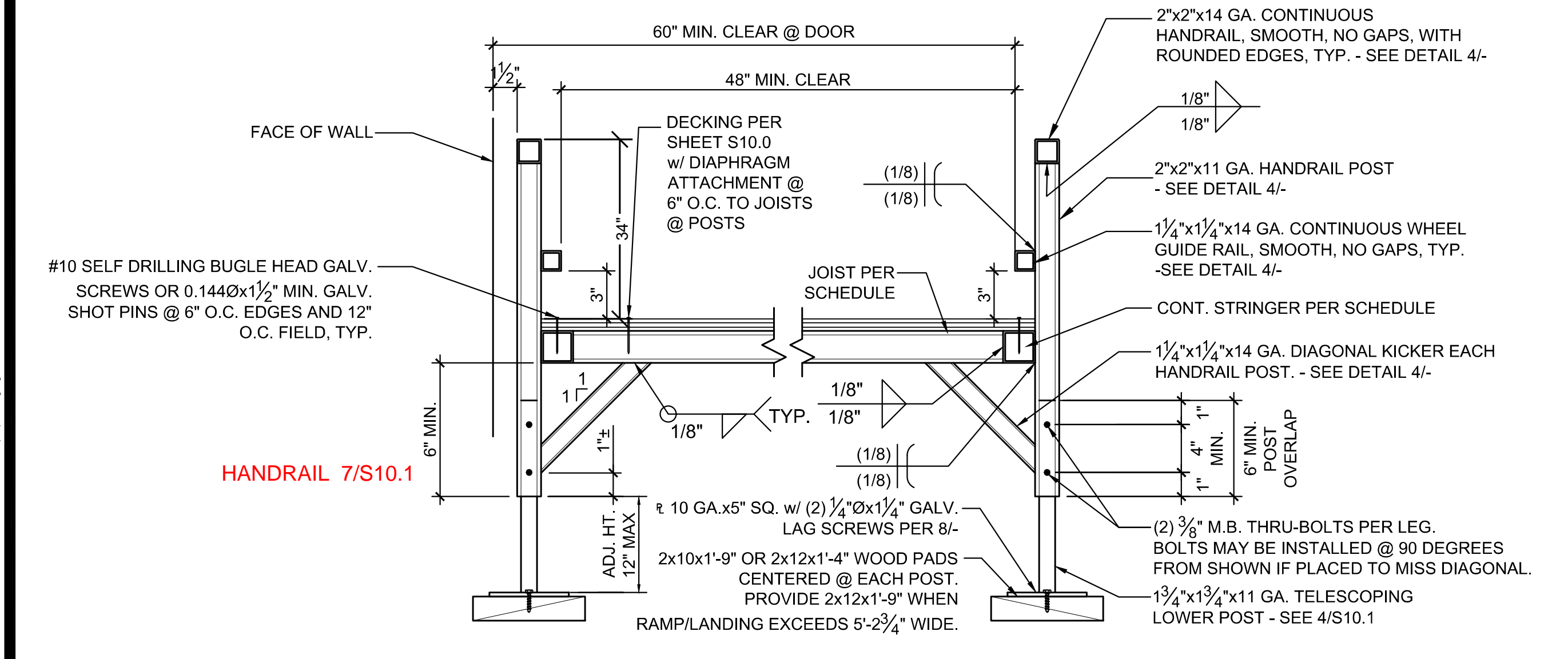
THE MATERIAL THICKNESS OF LIGHT GAUGE STEEL MEMBERS, IN THEIR END US, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED ABOVE. THE MATERIAL GAUGE DESIGNATION SHALL BE USED AS REFERENCE ONLY. SPECIFIED STEEL TUBE THICKNESSES ARE MINIMUM. THICKER TUBES MAY BE USED.



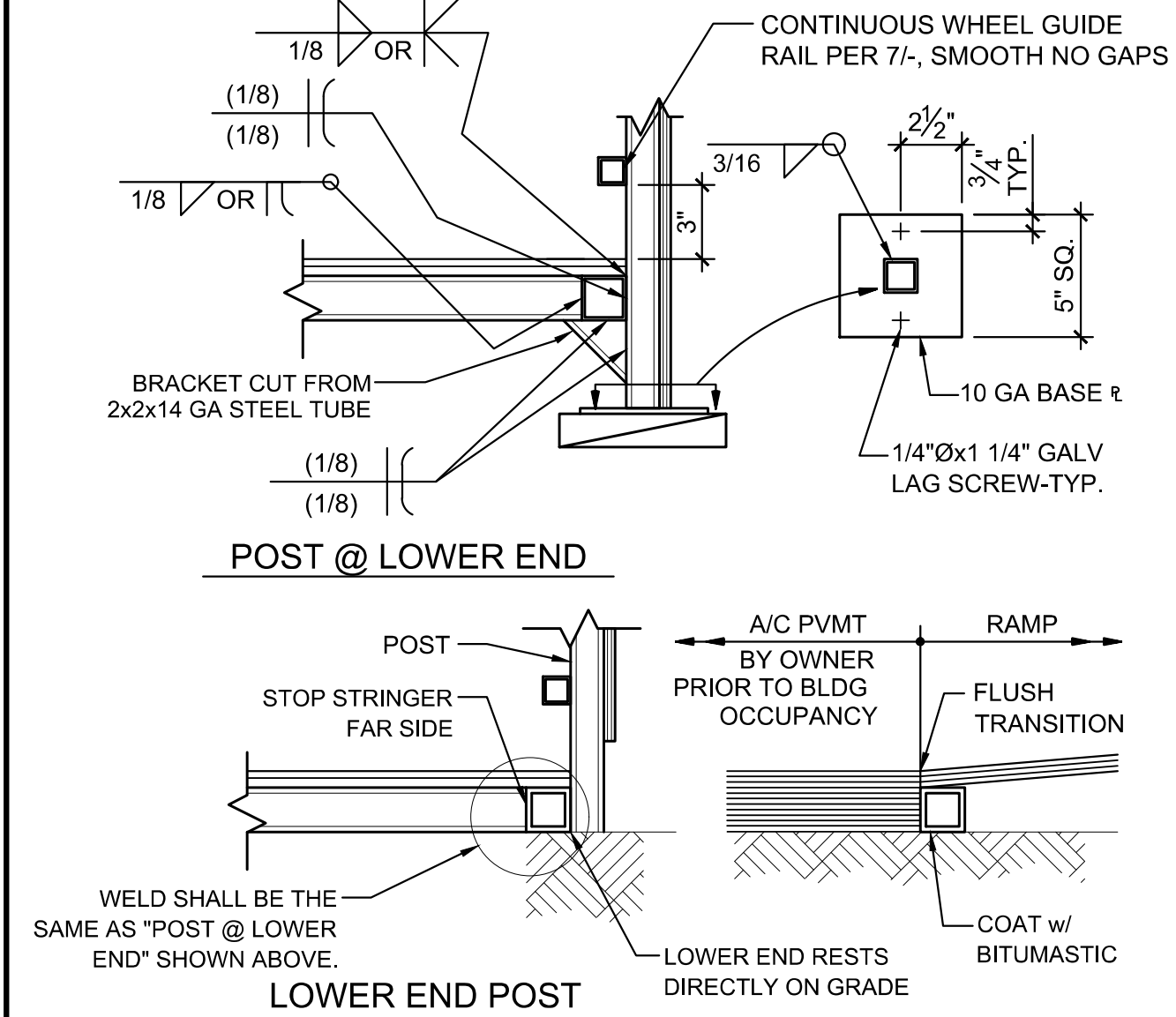
DETAIL 4 LIGHT GAUGE STEEL TUBE PROPERTIES

DETAIL 5 LANDING ATTACHMENT DETAIL SCALE: 3/8"=1'-0"

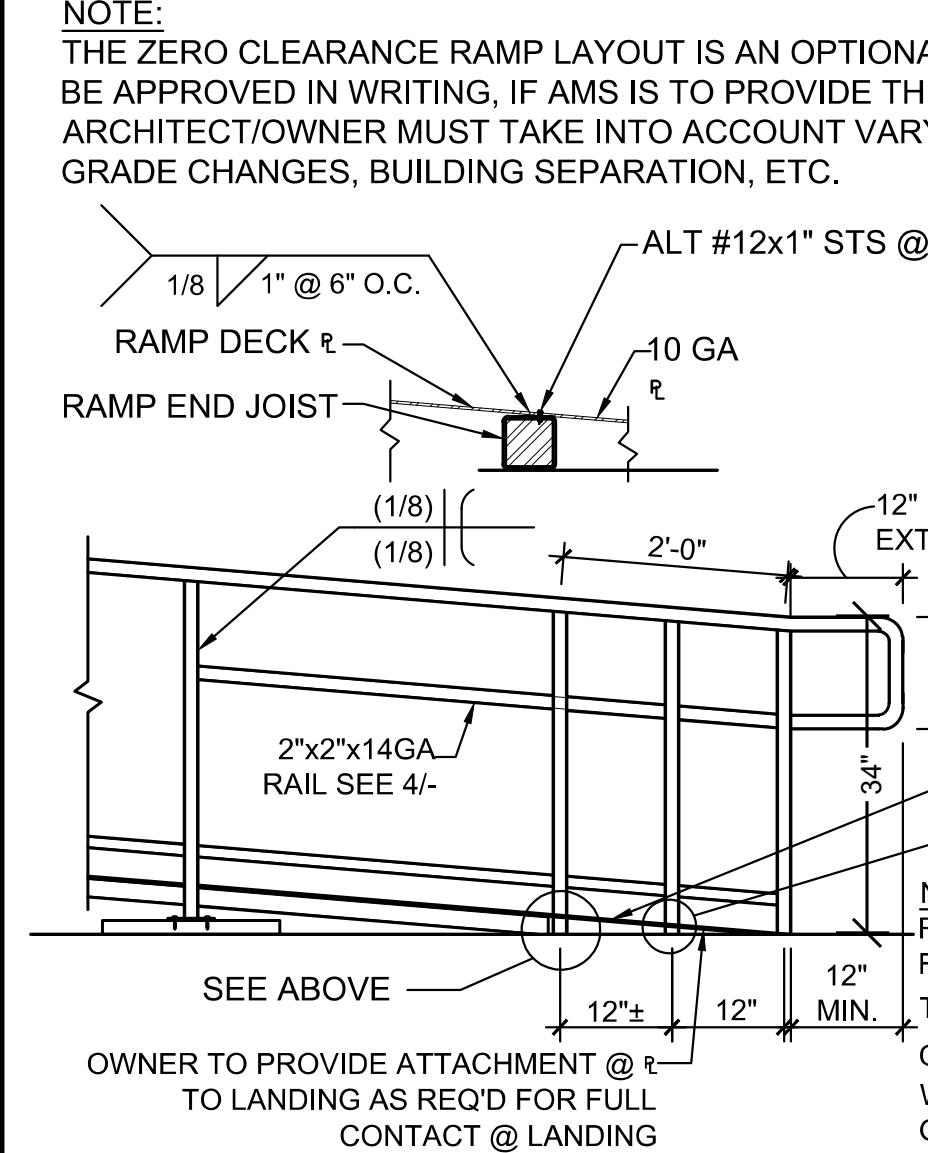
DETAIL 6 RAMP CONNECTION DETAIL SCALE: 3/8"=1'-0"



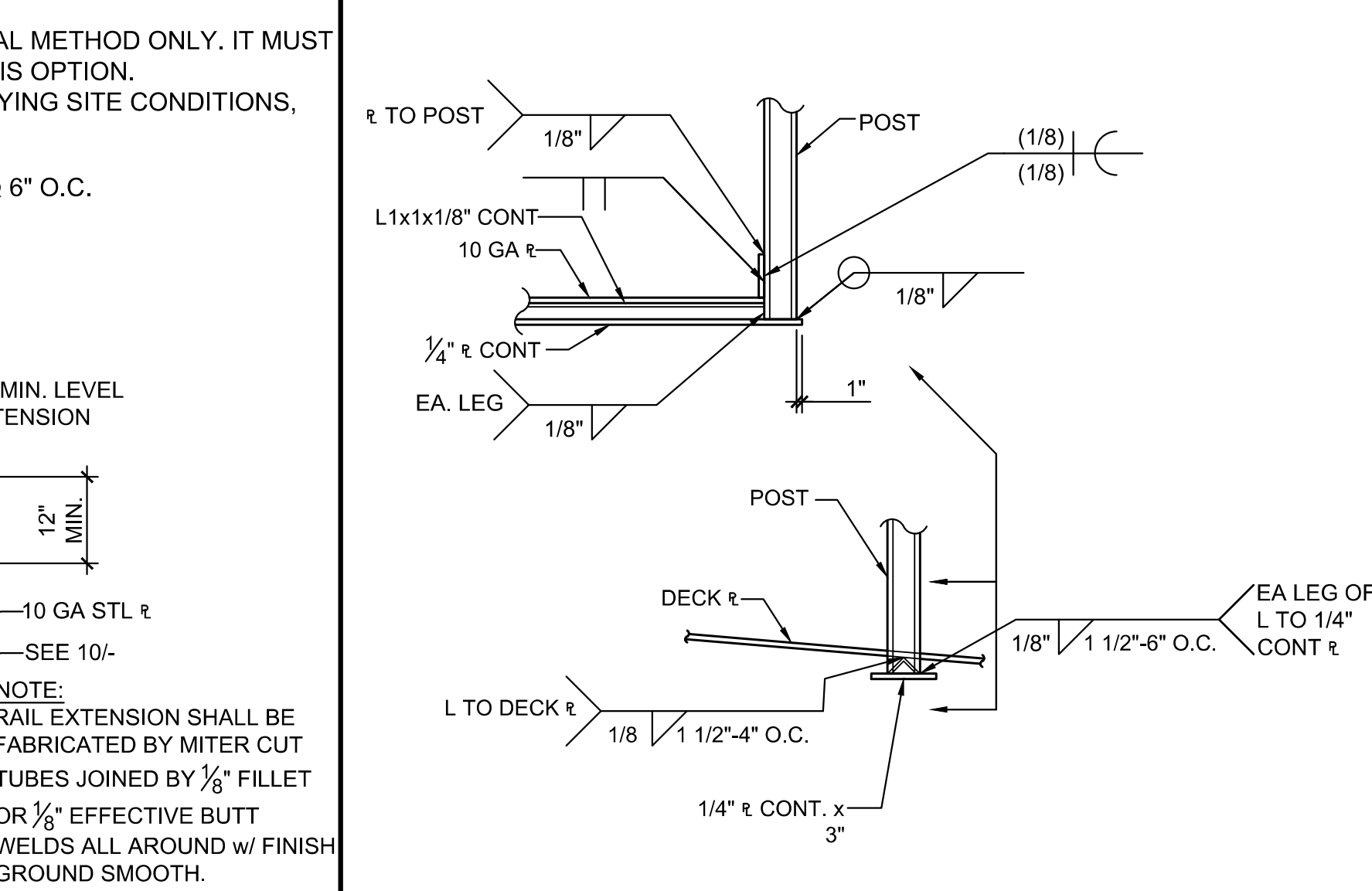
DETAIL 7 HANDRAIL & RAMP SECTION SCALE: 3/8"=1'-0"



DETAIL 8 LOWER END POST



DETAIL 9 TYP. ZERO CLEARANCE RAMP DETAIL SCALE: 3/8"=1'-0"



DETAIL 10 GENERAL CONNECTION NOTES SCALE: 3/8"=1'-0"

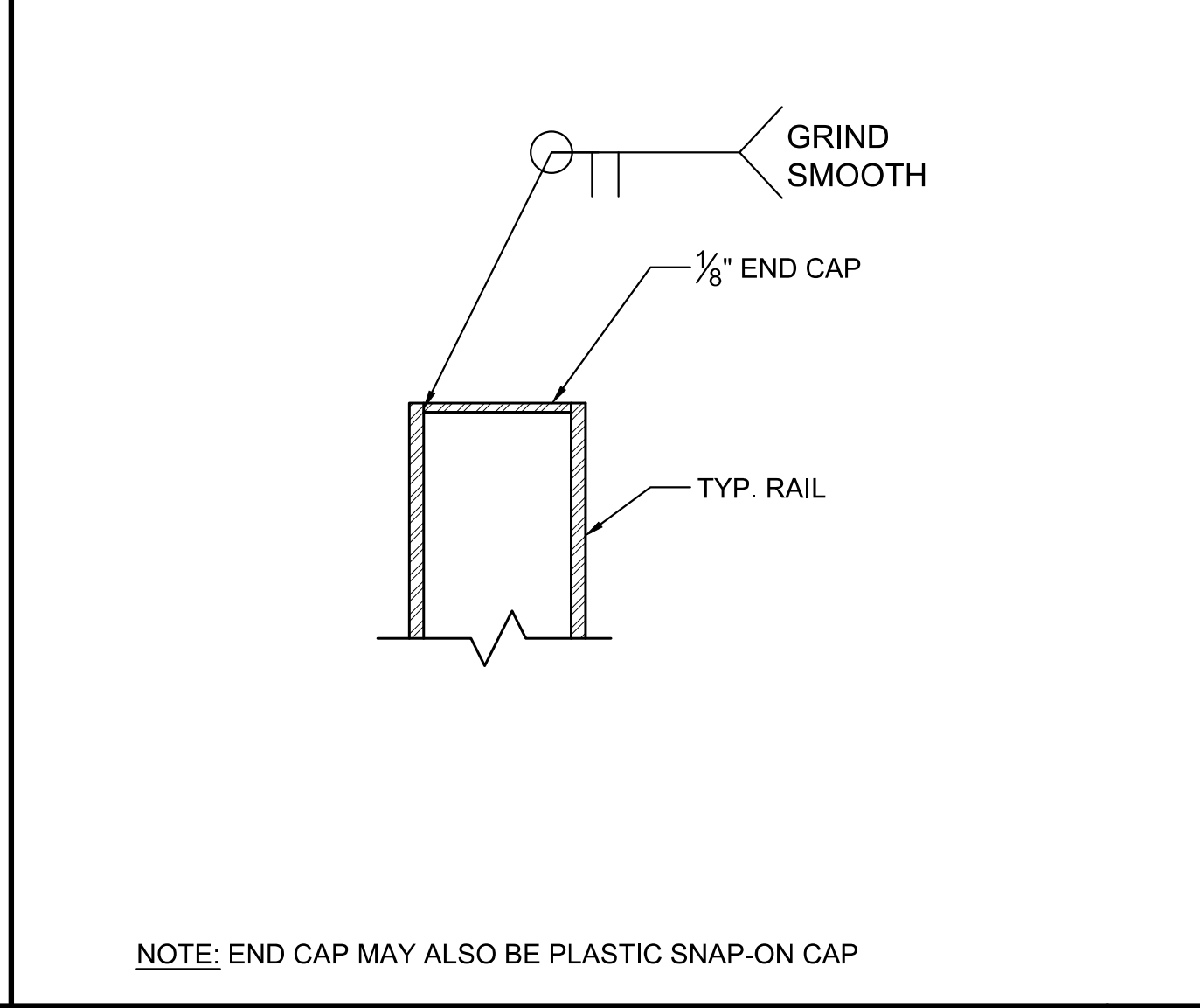
HSS 2x2x1/8
 ASTM A500 GRADE B
 Fy = 46 KSI
 A = 0.840 IN²
 Sx = 0.4863 IN³
 Ix = 0.486 IN⁴

HSS 2x2x3/16
 ASTM A500 GRADE B
 Fy = 46 KSI
 A = 1.19 IN²
 Sx = 0.641 IN³
 Ix = 0.641 IN⁴

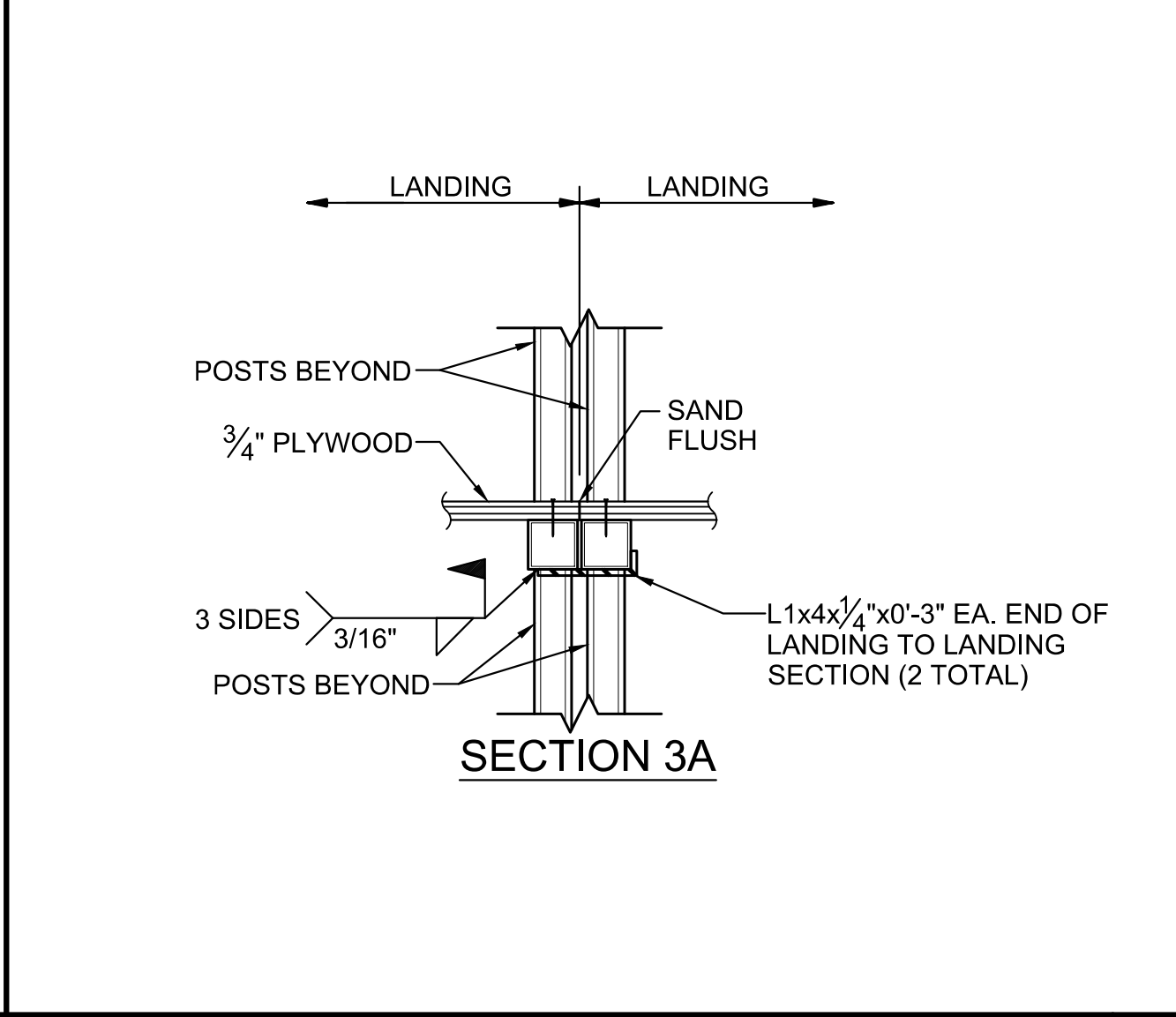
HSS 2x2x1/4
 ASTM A500 GRADE B
 Fy = 46 KSI
 A = 1.51 IN²
 Sx = 0.747 IN³
 Ix = 0.747 IN⁴

MATERIAL SHALL BE GIVEN A RUST INHIBITIVE COATING

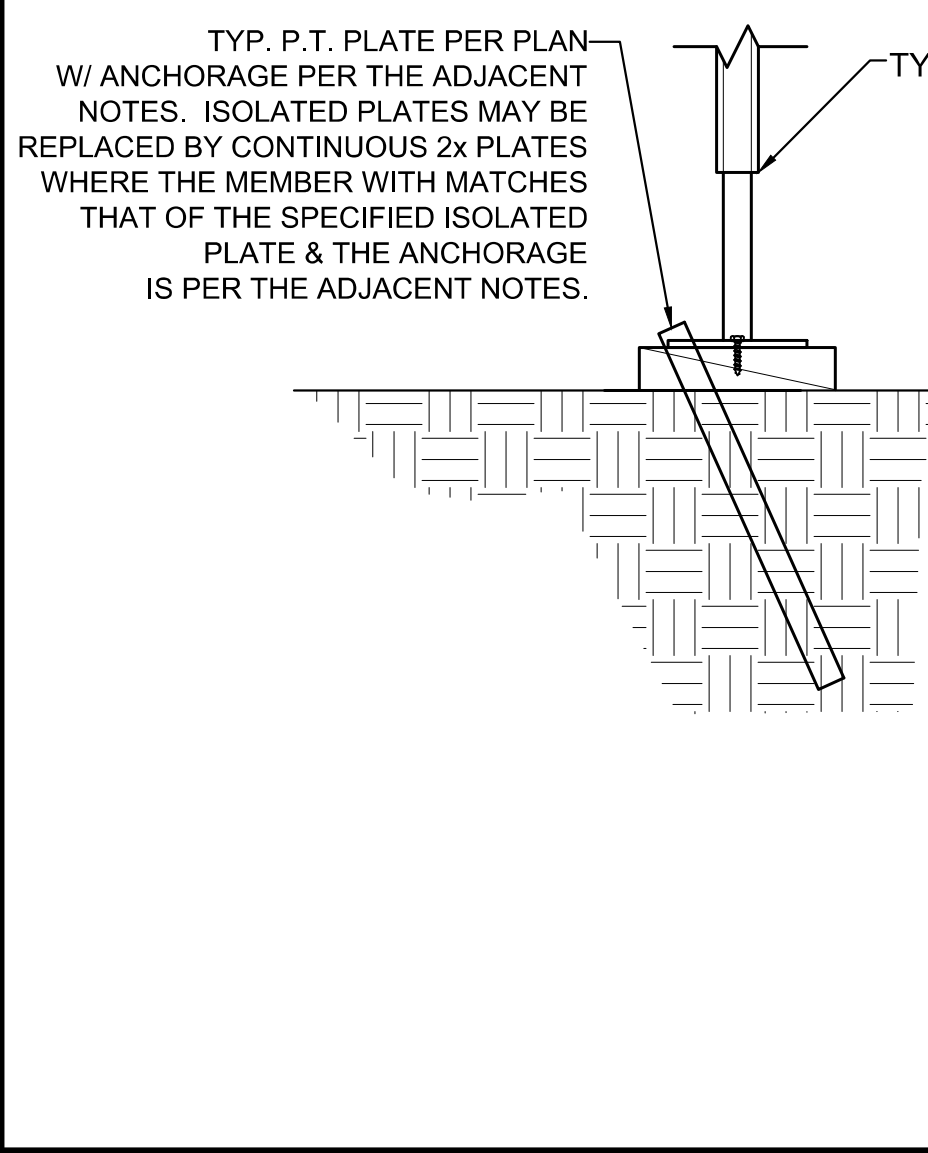
DETAIL 11 HSS PROPERTIES



DETAIL 12 END CAP DETAIL SCALE: N.T.S.



DETAIL 13 LANDING TO LANDING CONNECTION SCALE: 3/8"=1'-0"



DETAIL 14 P.T. PLATE ANCHORAGE SCALE: 3/8"=1'-0"

1. STEEL IN CONTACT WITH GROUND OR PT WOOD FOUNDATION PLATE SHOULD BE GALVANIZED.

GENERAL CONNECTION NOTES

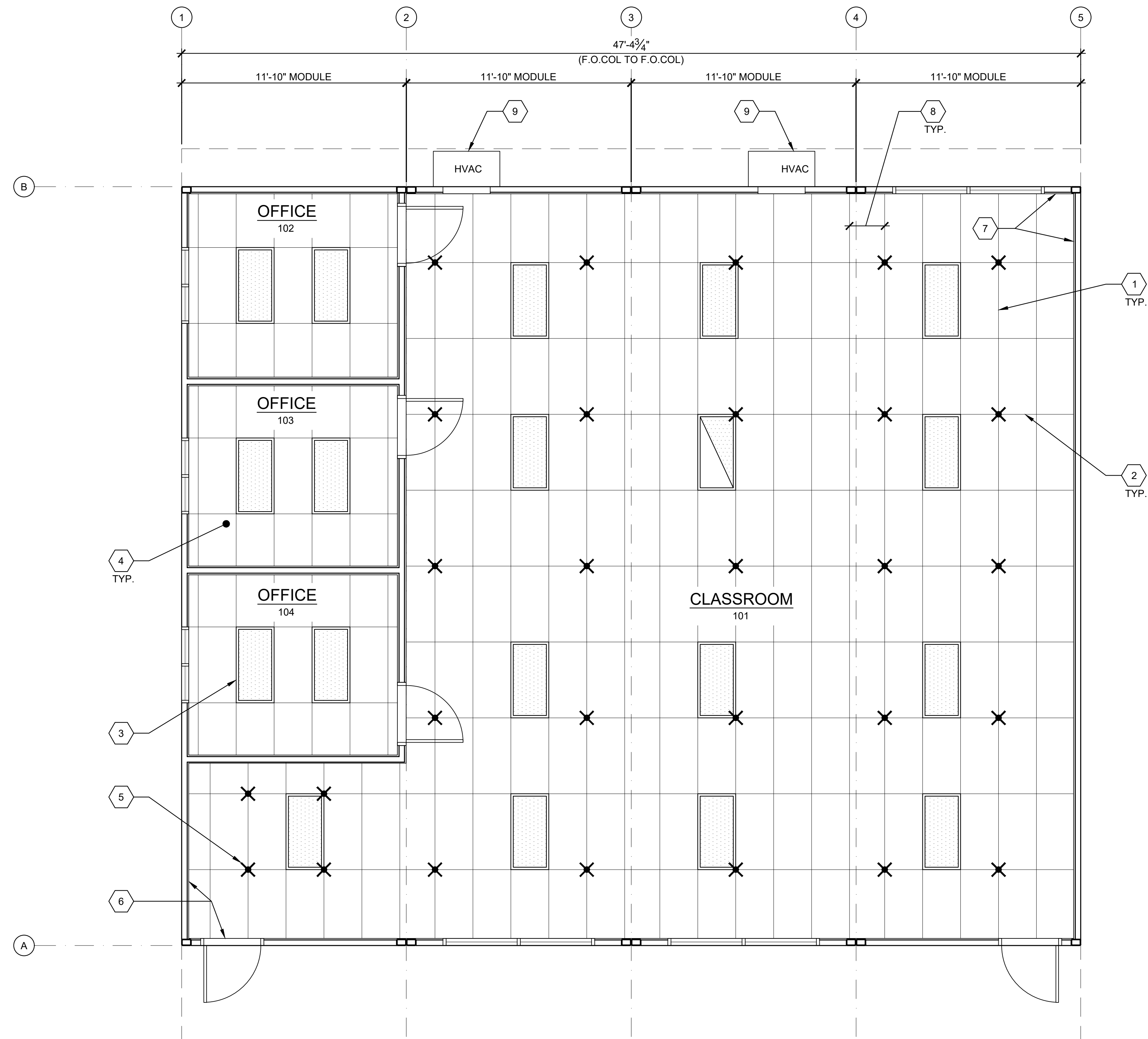
P.T. PLATE ANCHORAGE (ISOLATED PLATES)
 ON SOIL, A/C OR CONCRETE PAVING
 1"Ø STANDARD WEIGHT (1.315 ACTUAL O.D.) HOT DIPPED GALV. PIPE PER PLATE w/ 12" MIN. PENETRATION MEASURED VERTICALLY BELOW SOIL OR PAVING SURFACE. DRILL PLATE 1 3/8"Ø MAX. PIPE MAY BE DRIVEN MAX. PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.

ALTERNATE ON CONC. PAVING ONLY:
 (2) SIMPSON SS (STAINLESS STEEL) STRONG-BOLT 2 THRU EA. PLATE w/ 3/2" MIN. CONC. EMBEDMENT. SEE SHTS. S2.0-S2.3 FOR INSTALLATION REQUIREMENTS.

P.T. PLATE ANCHORAGE (CONTINUOUS PLATES)
 ON SOIL, A/C OR CONCRETE PAVING
 1"Ø STANDARD WEIGHT (1.315 ACTUAL O.C.) HOT DIPPED GALV. PIPE @ 4'-0" O.C. MAX. w/ 12" MIN. PENETRATION MEASURED VERTICALLY BELOW SOIL OR PAVING SURFACE. PROVIDE A MIN. OF (2) PIPE ANCHORS FOR ANY SECTION OF PLATE. DRILL PLATE 1 3/8"Ø MAX. PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.

ALTERNATE ON CONC. PAVING ONLY:
 SIMPSON SS (STAINLESS STEEL) STRONG-BOLT 2 THRU PLATE @ 3'-0" O.C. MAX. w/ 3/2" MIN. CONC. EMBEDMENT. PROVIDE A MIN. OF (2) ANCHORS FOR ANY SECTION OF PLATE. SEE SHTS. S2.0-S2.3 FOR INSTALLATION REQUIREMENTS.

DETAIL 14 P.T. PLATE ANCHORAGE SCALE: 3/8"=1'-0"



- 1 MAIN TEE RUNNER TYP. PER TABLE A, SHEET M1.7
- 2 CROSS TEE RUNNER TYP. PER TABLE A, SHEET M1.7
- 3 INTERIOR LIGHT FIXTURE, REFER TO SHEET E1.0 FOR SPEC'S ATTACHMENT PER DETAIL 7M1.4
- 4 CEILING HEIGHT @ 8'-6\"/>
- 5 STRUT/PLAY WIRE ASSEMBLY, SEE 2M1.4 FOR DETAILS
- 6 FIXED CEILING END, SEE DETAIL 5A/M1.4
- 7 FREE CEILING END, SEE DETAIL 5B/M1.4
- 8 CENTER SECTION THAT CROSSES MODULE LINE TO BE FIELD INSTALLED, SEE DETAIL SCM1.4
- 9 TYP. HVAC UNIT
- 10 NOT USED

KEY NOTES

1. WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTO SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.
2. AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN ALL OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE DIRECT ACCESS TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. PER C.M.C. 608.1 EXCEPTION #2.
3. LIGHT FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.
4. PC TITLE 24 HAS BEEN RUN FOR WORSE CASE OUTDOOR VENTILATION REQUIREMENTS (SEE OUTDOOR VENTILATION ON SHEET N2.0 FOR OUR OUTDOOR VENTILATION DESIGN REQUIREMENT NOTES)

GENERAL NOTES

MEP COMPONENT ANCHORAGE NOTES

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

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT 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 REFERENCE NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

- 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 NOTES

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

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

- MP MD PP E OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
- MP MD PP E OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) # _____.

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'-0\"/>		
24'x40'	2	0	23'-8"
36'x40'	3	1	35'-6"
48'x40'	4	2	47'-4"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120719 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 MARKING OF ANY BUILDING, 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
24' x 40' THRU 48' x 40'
(HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
STOCKPILE
(1) 48'x40' BUILDING

2019 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
MANUFACTURER PROFESSIONAL OF RECORD ON PC

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

REVISIONS

NO.	DATE	DESCRIPTION

DRAWN BY: AB
SCALE: AS NOTED
DATE: 10/26/22
PROJECT NO: 1730-22

SHEET TITLE:
TYPICAL REFLECTED CEILING PLAN

SHEET NUMBER:
M1.0 N

TYPICAL REFLECTED CEILING PLAN

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

NOT USED

NOT USED

NOT USED

BUILDING SIZE SCHEDULE

MEP COMPONENT ANCHORAGE NOTES

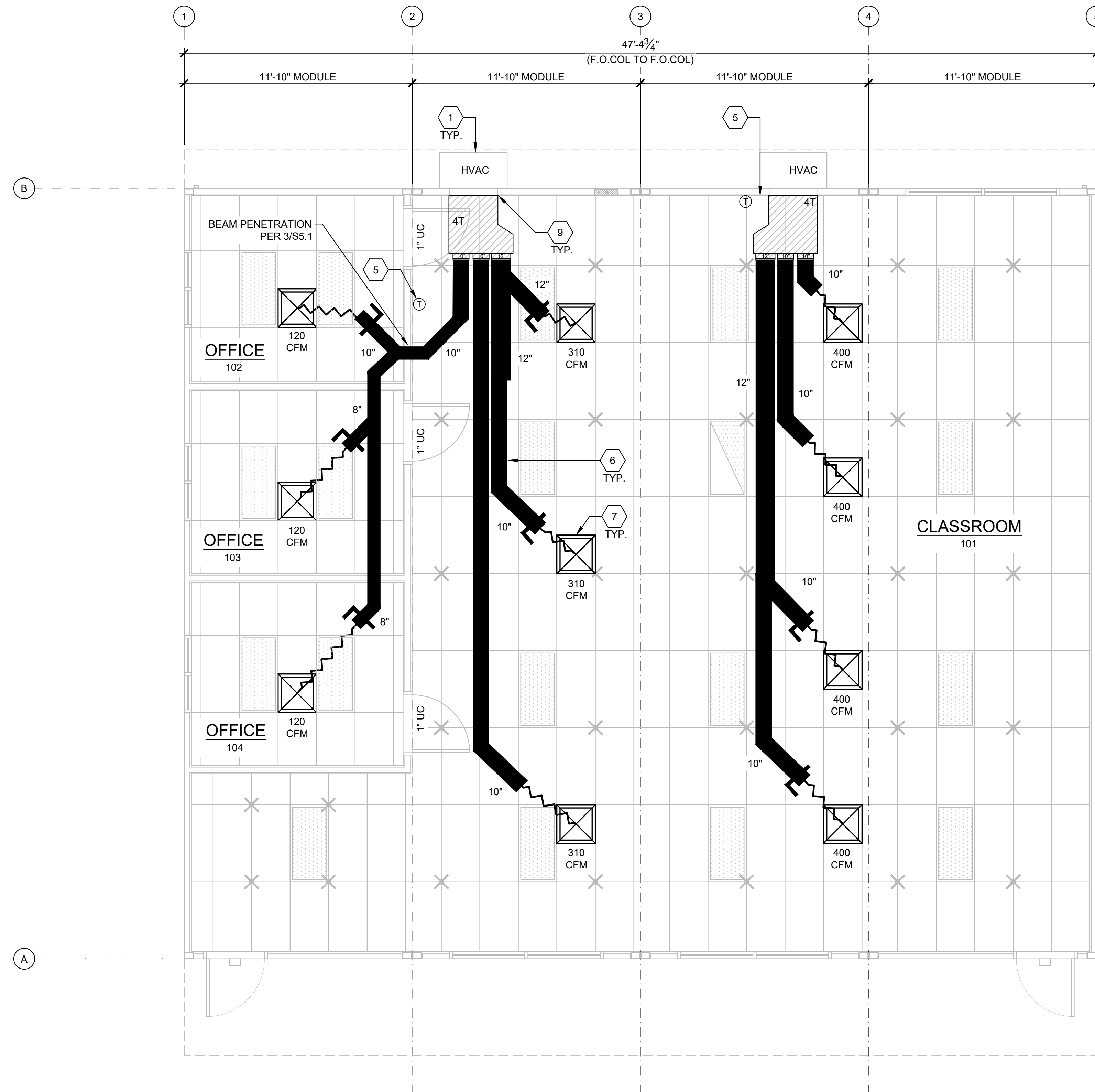
NOT USED

NOT USED

NOT USED

BUILDING SIZE SCHEDULE

MEP COMPONENT ANCHORAGE NOTES



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

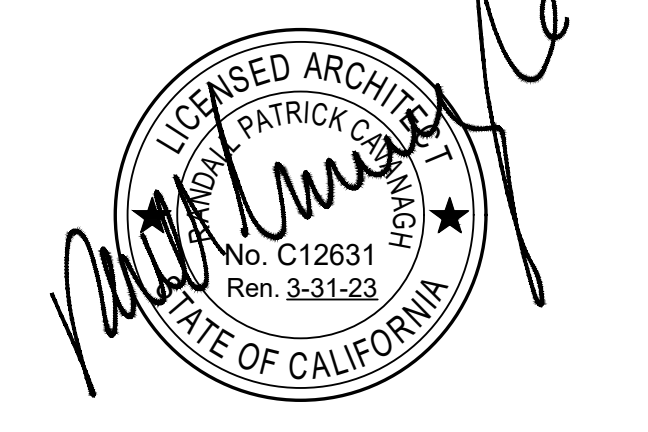
AMS
 American Modular Systems
 787 Spreckels Ave., Manteca, CA 95336
 Phone (209) 825-1921 Fax (209) 825-7018
 www.americanmodular.com

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 DRAWINGS, SPECIFICATIONS 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 MARKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF, ANY BUILDING, 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
 24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 STOCKPILE
 (1) 48'x40' BUILDING

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
 MANUFACTURER PROFESSIONAL OF RECORD ON PC



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

REVISIONS

DRAWN BY: AB
 SCALE: AS NOTED
 DATE: 10/26/22
 PROJECT NO: 1730-22

SHEET TITLE:
 TYPICAL MECHANICAL PLAN
 OPTIONS

SHEET NUMBER:
M1.1_N

WALL HUNG OPTION

NOT USED

1. WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.
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. 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.)
4. LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.
5. FOR T-BAR CEILING SPECIFICATIONS, SEE M1.7.

- 1 WALL HUNG HVAC UNIT - SEE 10/M1.4.
 2 NOT USED
 3 NOT USED
 3A NOT USED
 4 NOT USED
 5 THERMOSTAT - 48" A.F.F. MAX TO TOP OF BOX
 6 CONCEALED SUPPLY AIR DUCT ABOVE T-BAR CEILING - SEE 1/M1.4.
 7 TYPICAL 4-WAY SUPPLY AIR REGISTER LOCATION AND SIZE MAY VARY PER CEILING LAYOUT AND BUILDING SIZE - SEE 1/M1.4 & 7/M1.5.
 8 FLEX DUCT - NOMINAL 10" MIN. (MAY VARY) - SEE 8/M1.5.
 9 RETURN AIR AS PART OF UNIT.
- NOTE: FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5 FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE PER ENERGY CODE 120.4 AND CMC 603.4.1

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

BUILDING SIZE (FT)	TOTAL # OF 12' WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL SIZE
<input type="checkbox"/> 24'x40'	2	0	23'-8"
<input type="checkbox"/> 36'x40'	3	1	35'-6"
<input checked="" type="checkbox"/> 48'x40'	4	2	47'-4"

5

SHEET NOTES

KEY NOTES

BUILDING SIZE SCHEDULE

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

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 DRAWINGS, SPECIFICATIONS, 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 BUILDINGS, MODULAR OR OTHER BUILDINGS, 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
24' x 40' THRU 48' x 40' (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 .
 .
 .

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119283-PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PRE-CHECK APPLICATION FOR CONSTRUCTION IS REQUIRED
 MANUFACTURER PROFESSIONAL OF RECORD ON PC

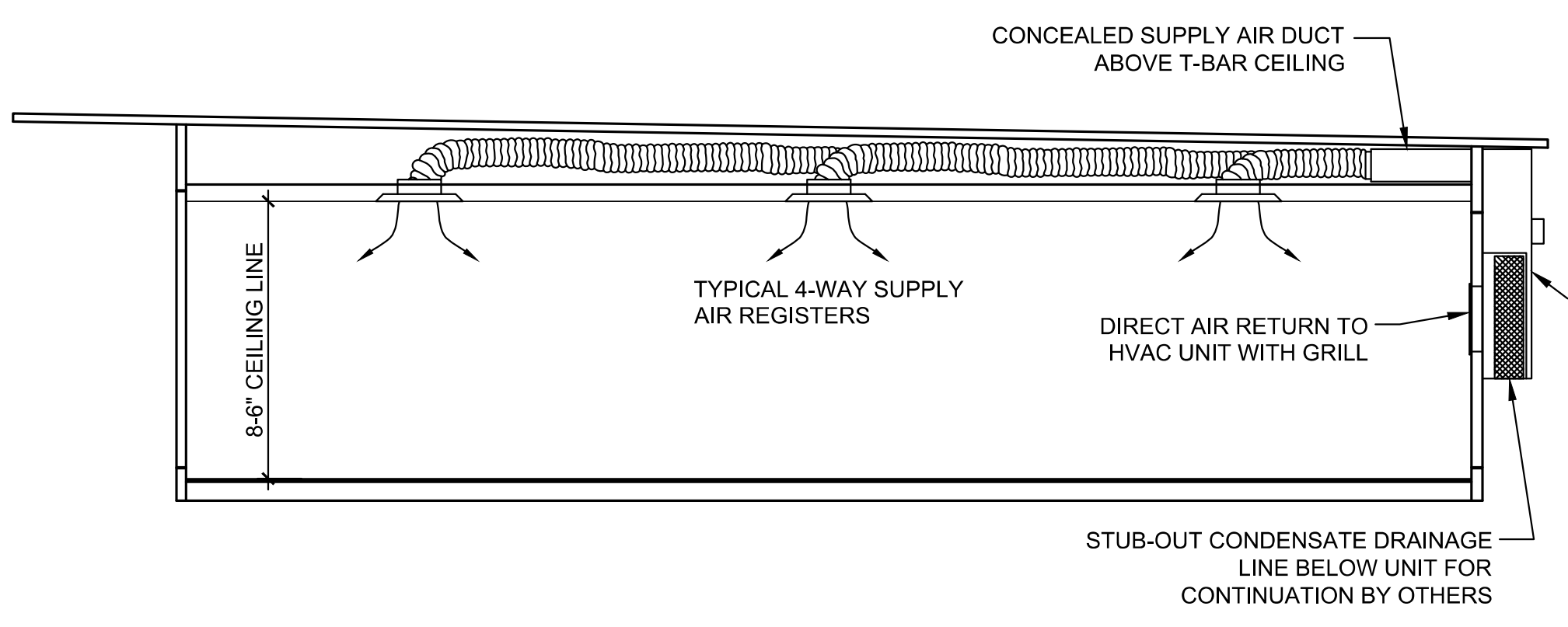
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD

REVISIONS
 △
 △
 △

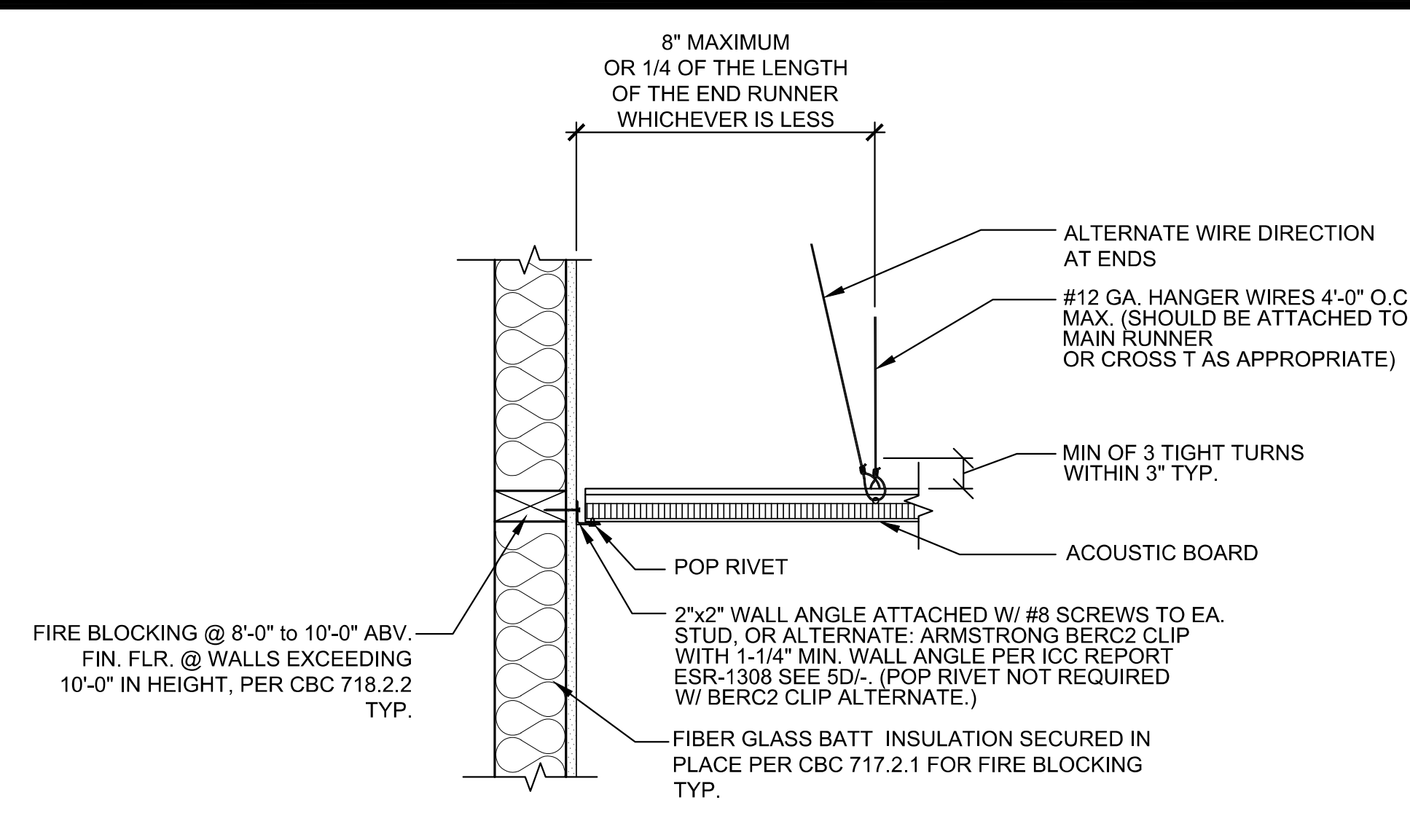
DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21
 SHEET TITLE:

MECHANICAL AND CEILING DETAILS

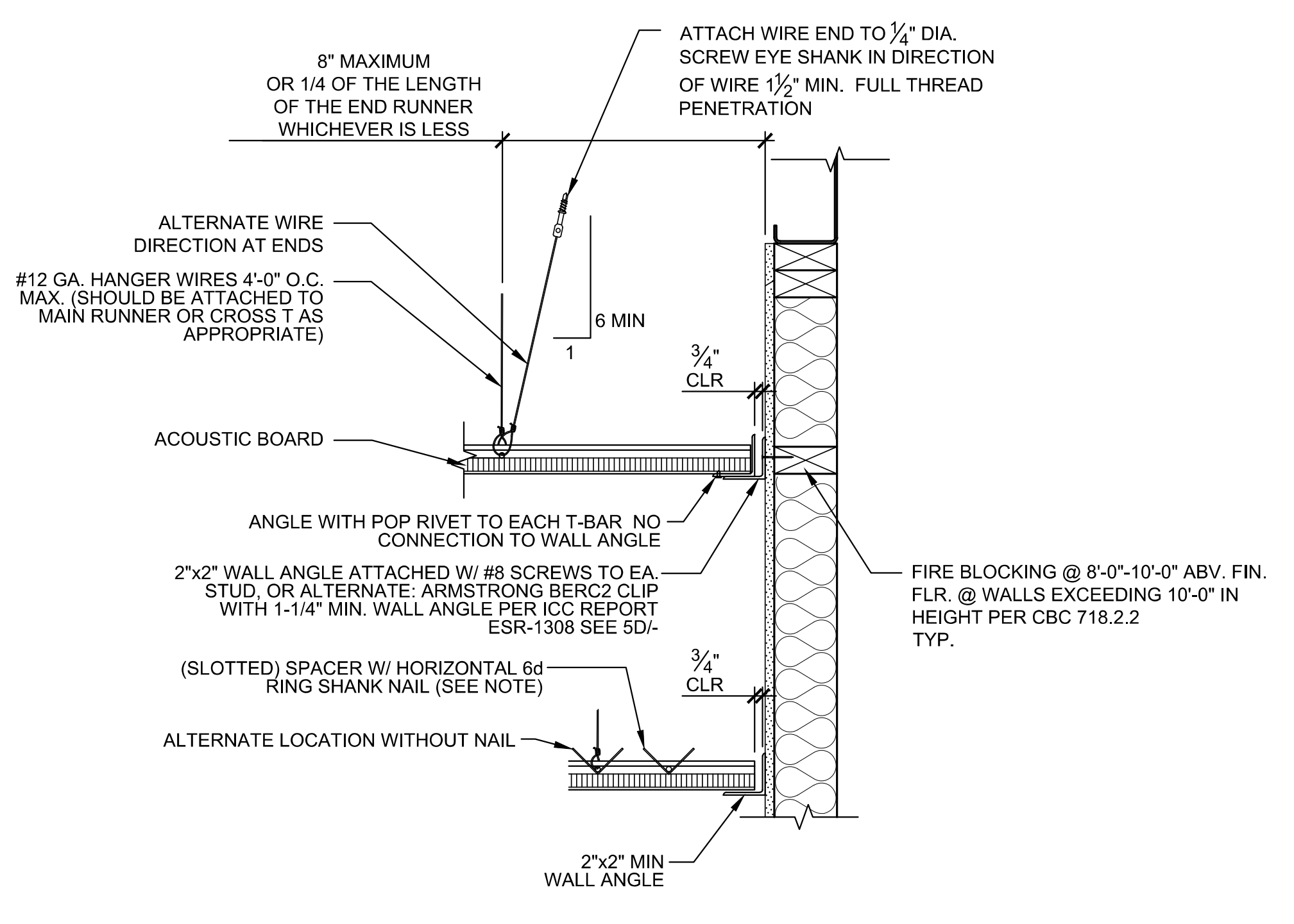
SHEET NUMBER:
M1.4
 N



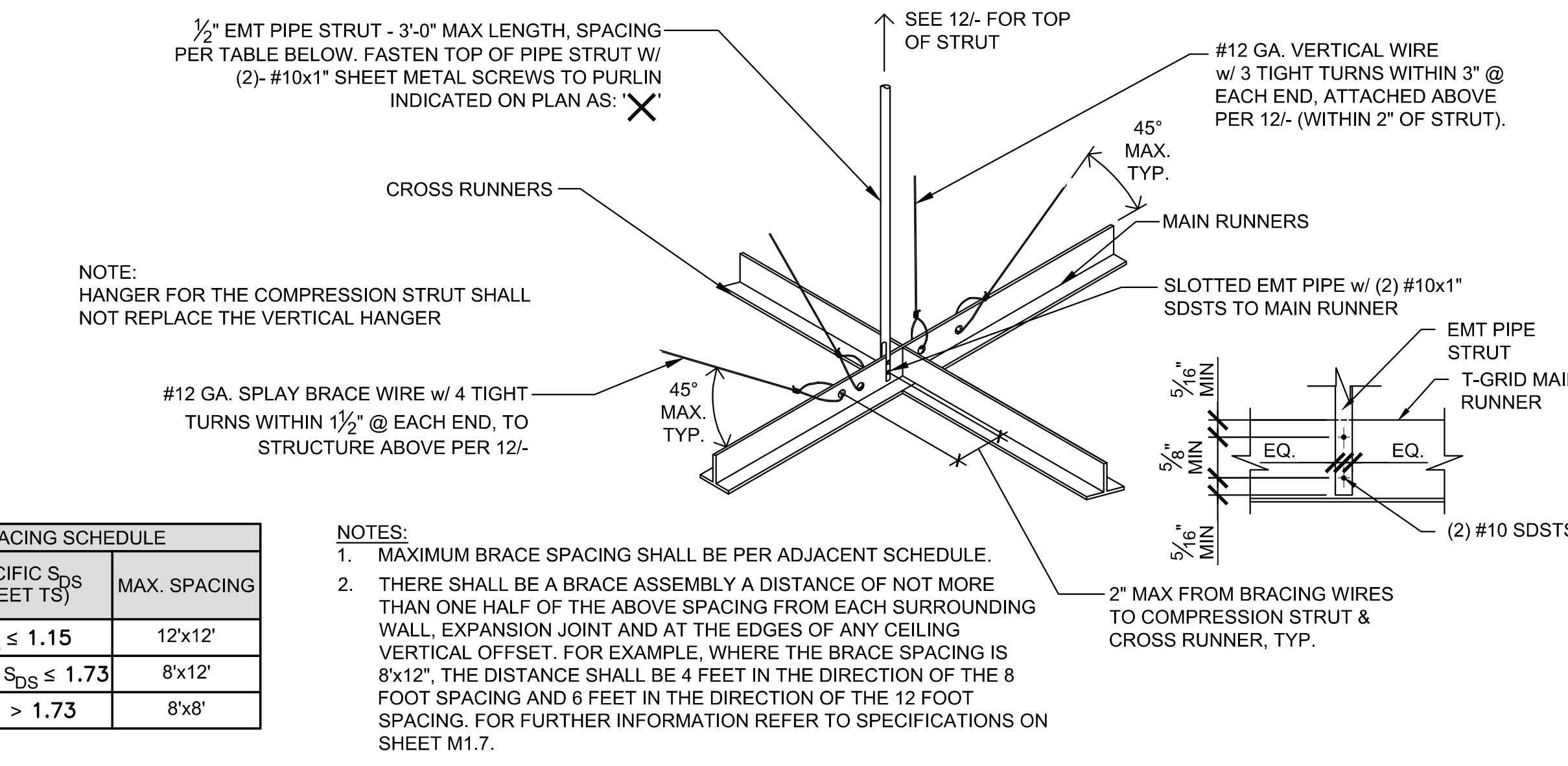
TYPICAL MECHANICAL SECTION SCALE: 3/16" = 1'-0" 1



FIXED END A



FREE END B



STRUT/SPLAY WIRE ASSEMBLY DETAIL NOT TO SCALE 2

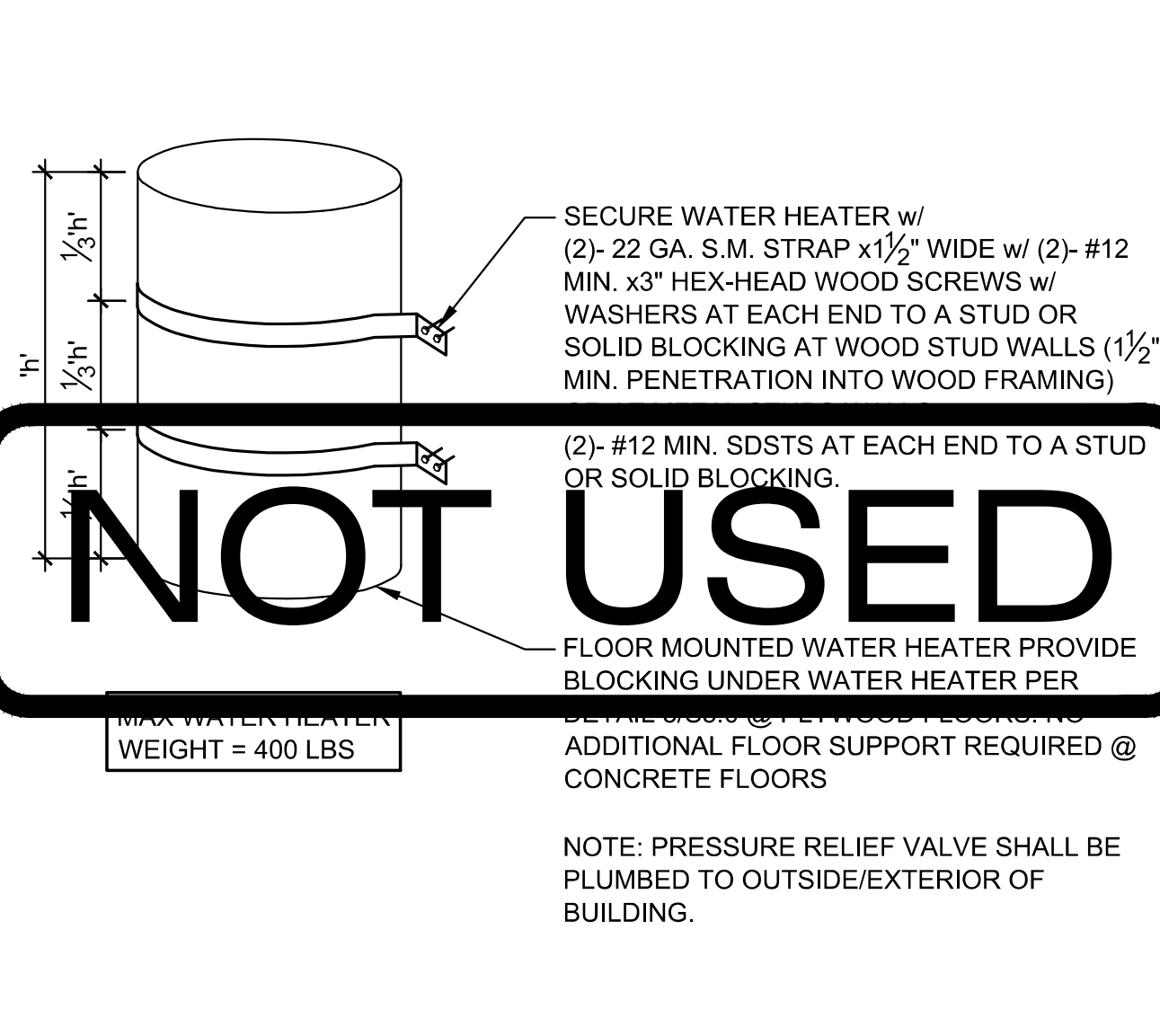


RUNNER SPLICE AND CEILING CONNECTION @ MODULE LINE C

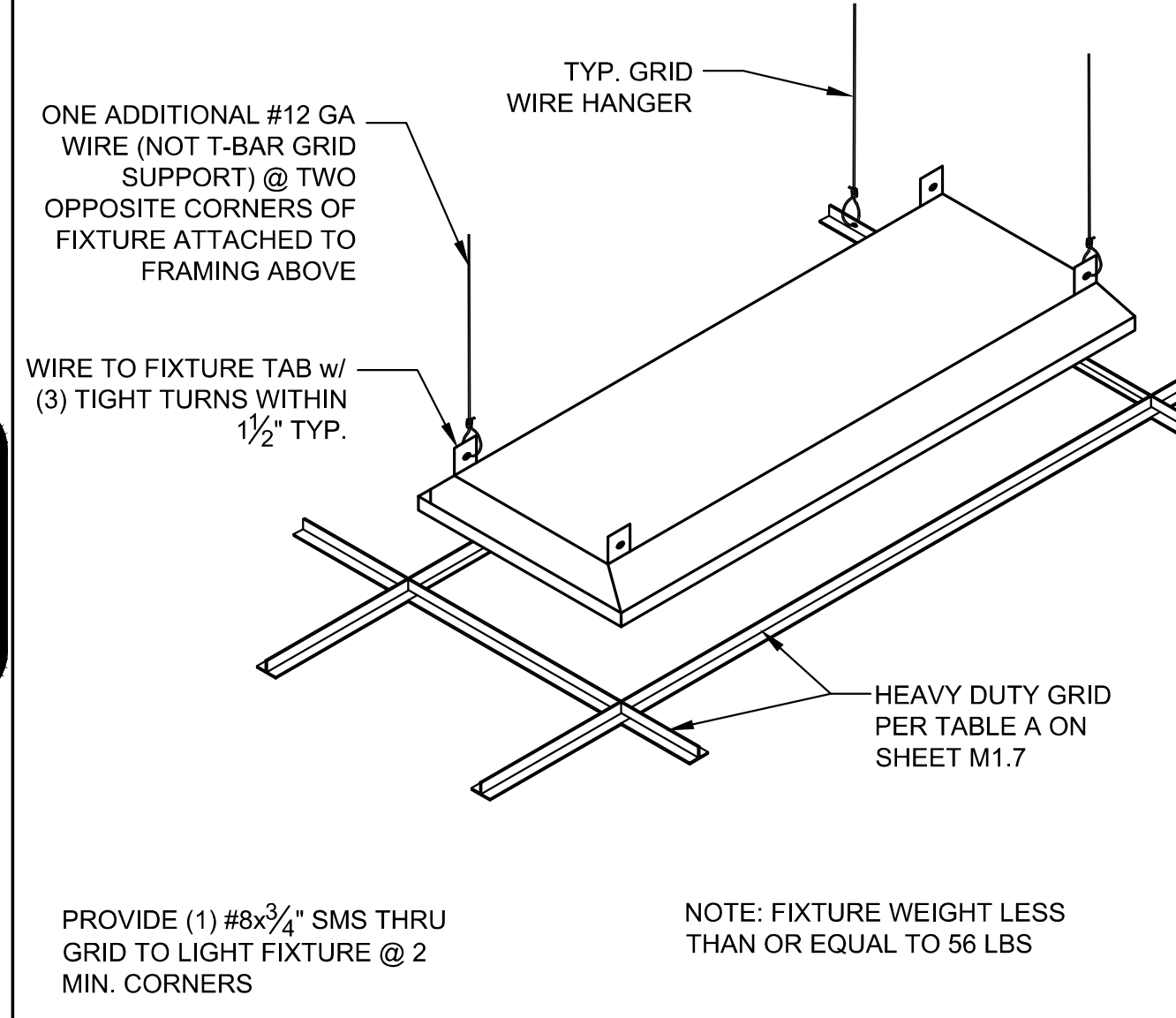
ALTERNATE BERCC2 CLIP DETAIL D

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

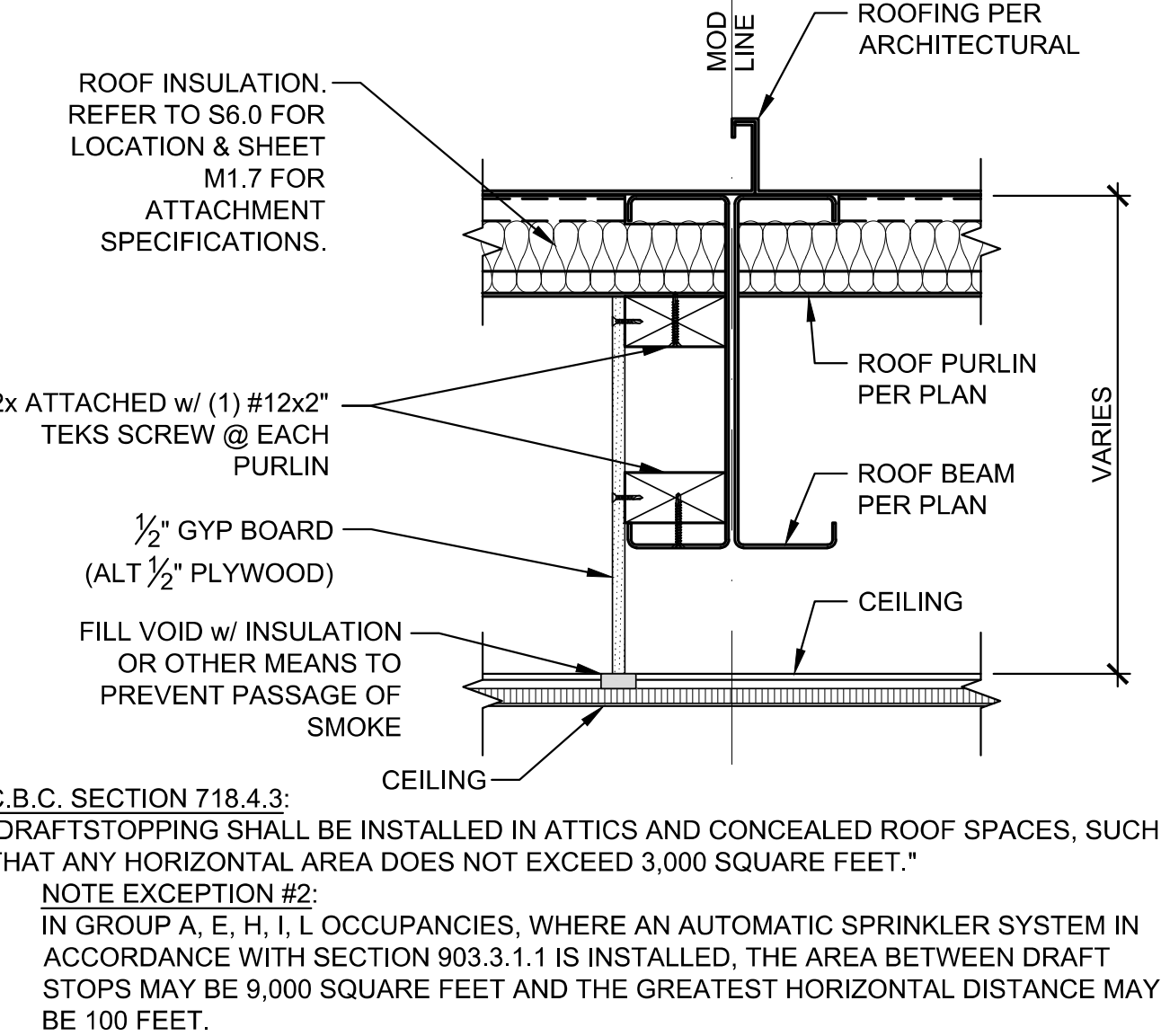
SUSPENDED CEILING ATTACHMENT DETAILS SCALE: 1-1/2" = 1'-0" 5



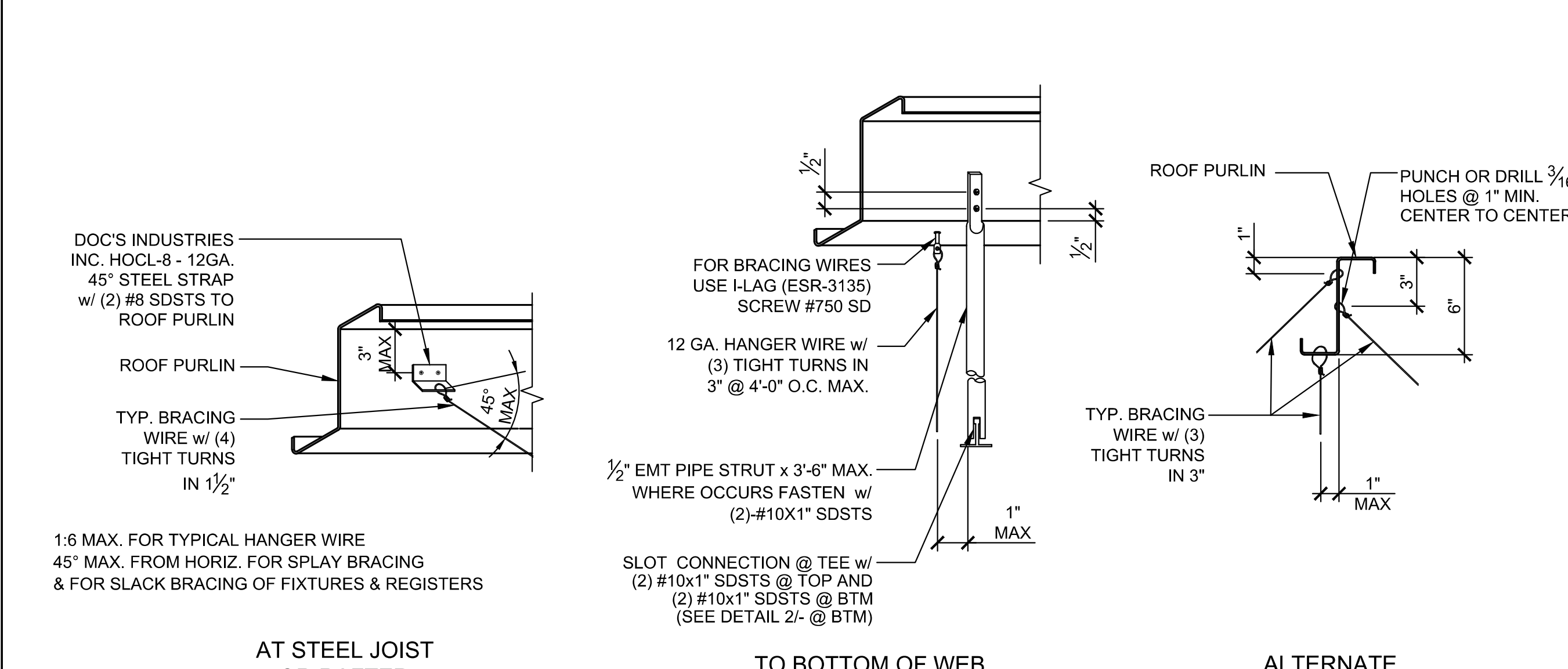
WATER HEATER STRAP DETAIL NOT TO SCALE 6



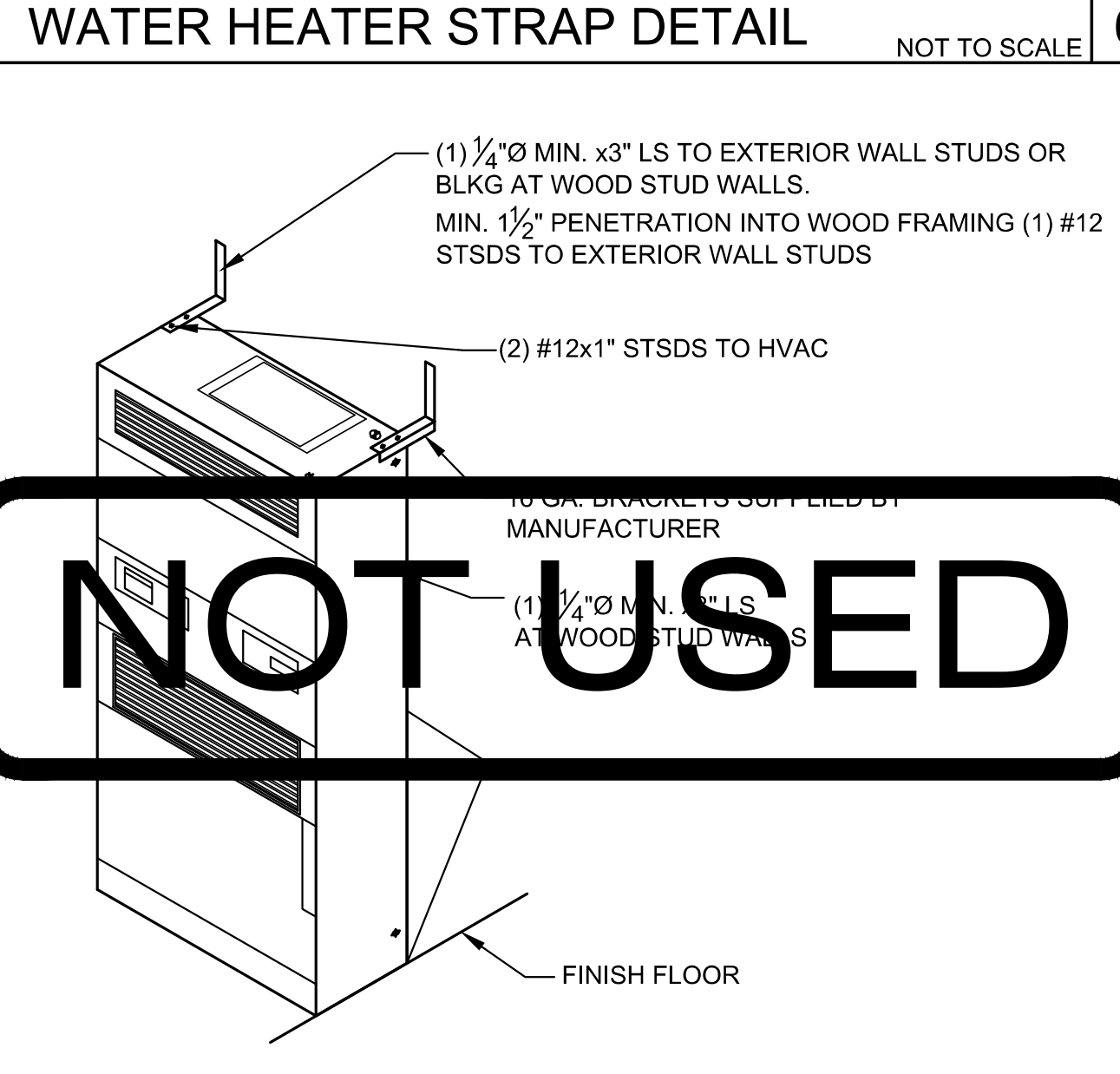
LIGHT FIXTURE ATTACHMENT NOT TO SCALE 7



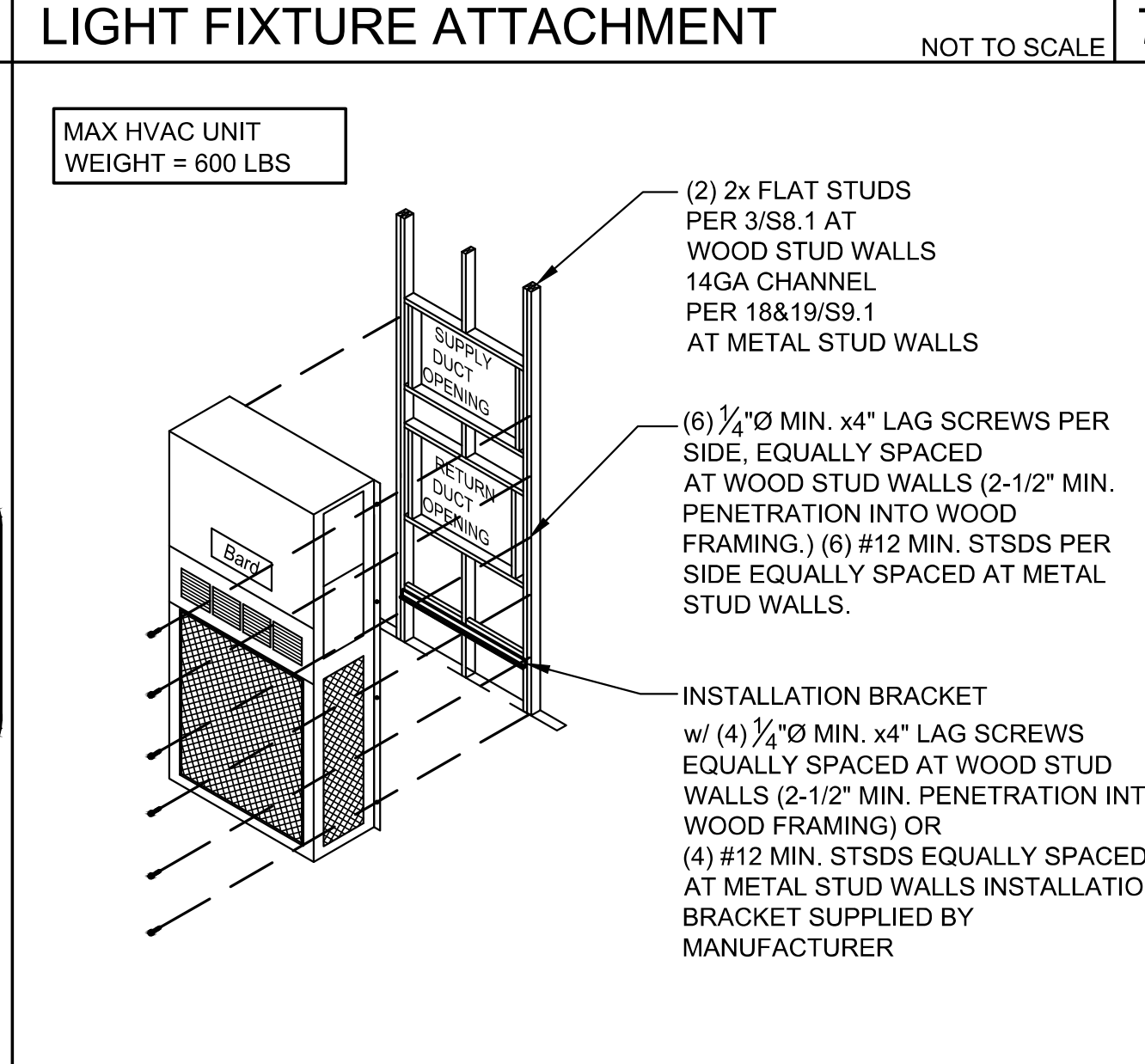
CEILING DRAFT STOP DETAIL SCALE: 1-1/2" = 1'-0" 8



SUSPENDED CEILING TO PURLIN CONNECTION DETAILS NOT TO SCALE 12



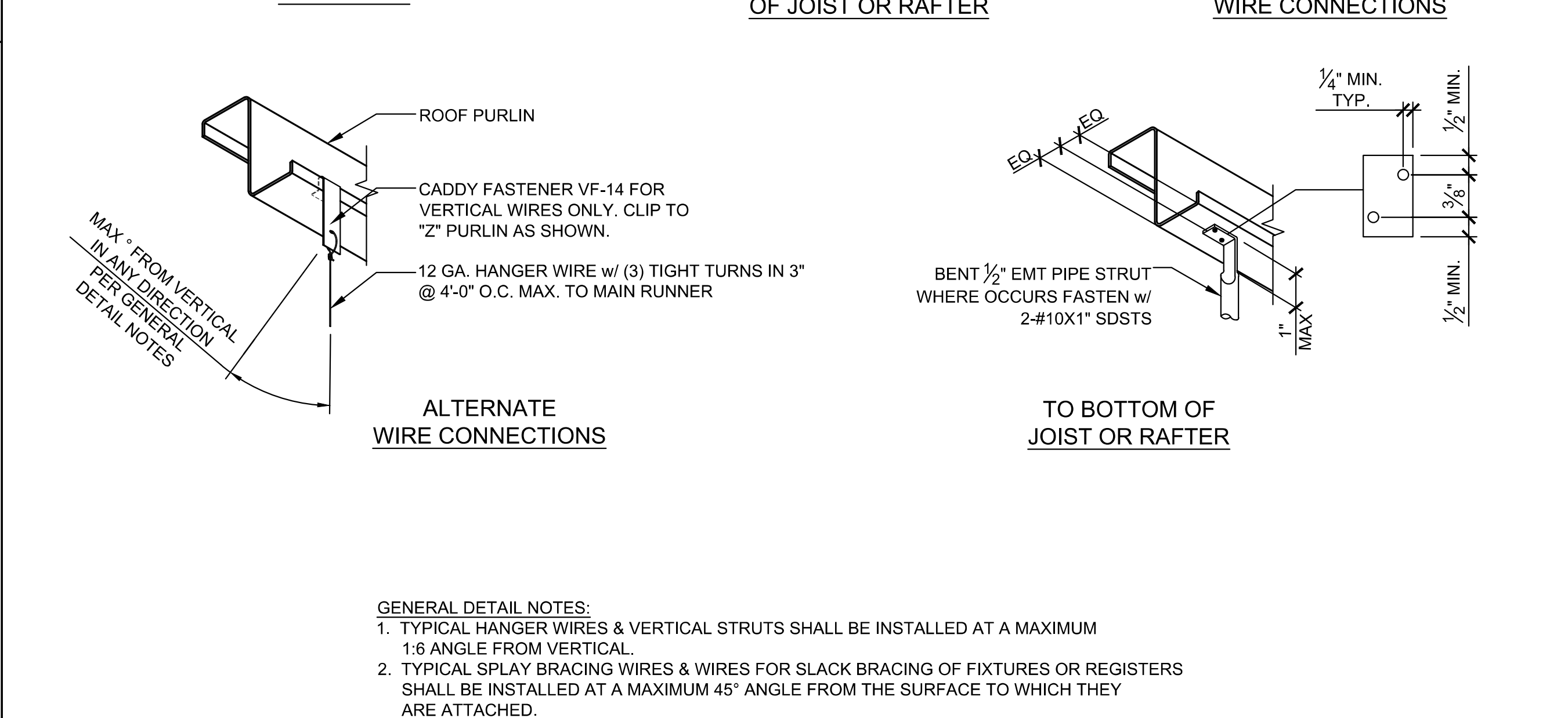
INTERIOR HVAC ANCHORAGE 9



WALL MOUNT HVAC ANCHORAGE NOT TO SCALE 10



NOT USED 11



SUSPENDED CEILING TO PURLIN CONNECTION DETAILS NOT TO SCALE 12

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120719 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MOIFIED, 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 MARKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF ANY BUILDING, 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
24' x 40' THRU 48' x 40' (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
.

~~IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-19283 INC.
REVIEWED FOR
SS FLS ACS CG
DATE: 09/20/2021~~

2019 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
PATRICK C. HUNTER
No. C12631
Ren. 3-31-23
STATE OF CALIFORNIA

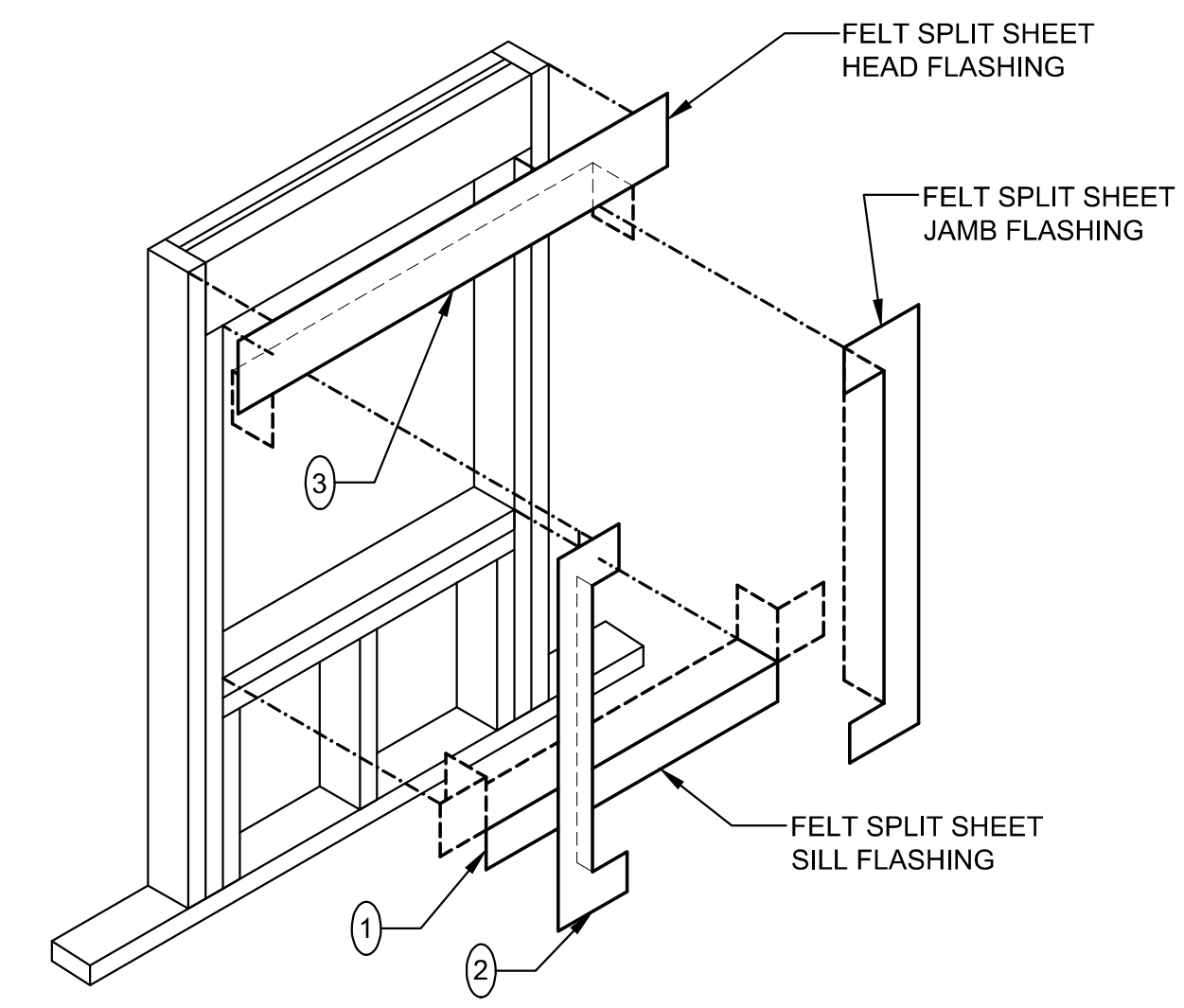
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

REVISIONS

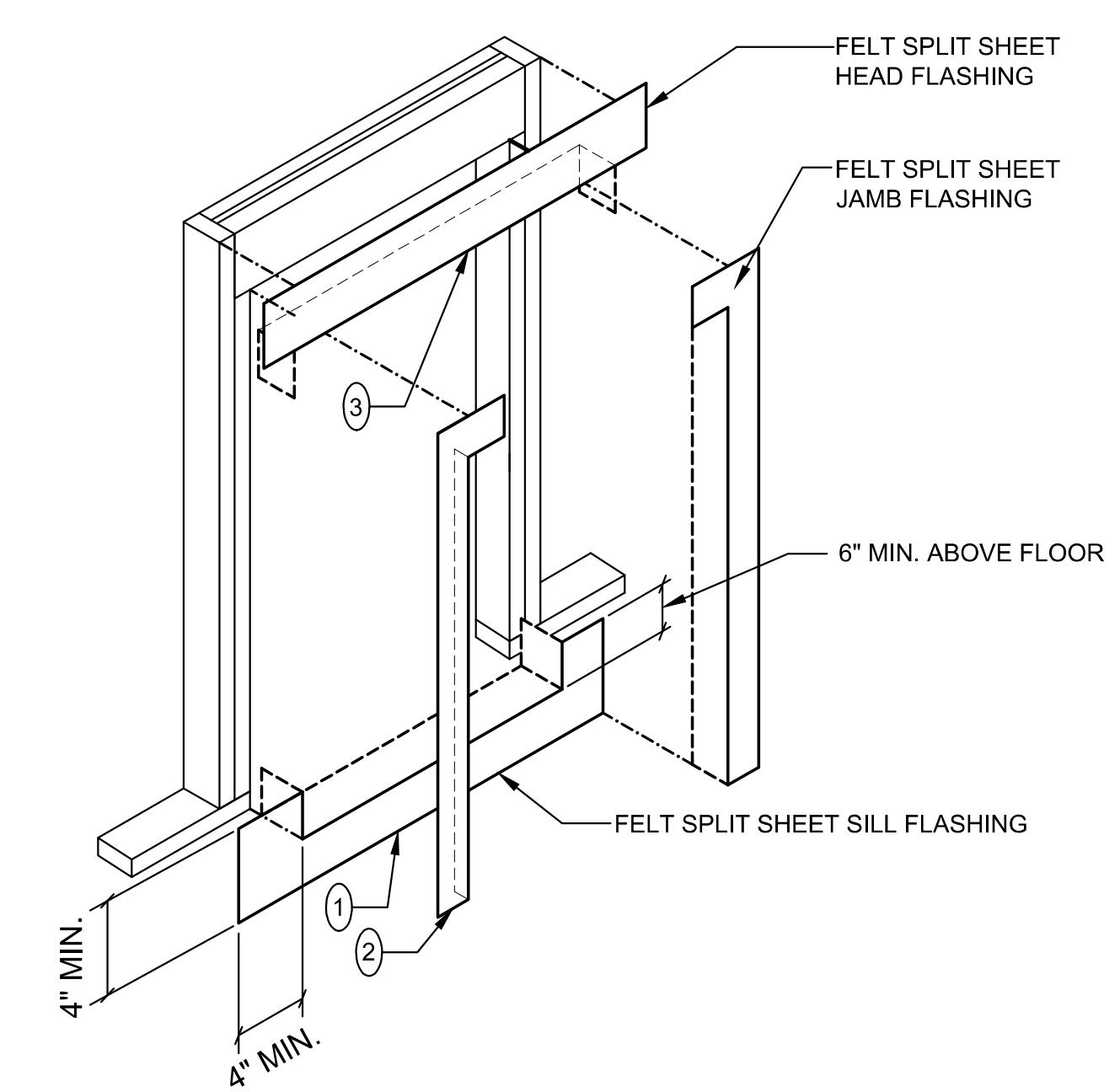
DRAWN BY: ADS/AH
SCALE: AS NOTED
DATE: 03/11/21
PROJECT NO: XXXX-21

SHEET TITLE:
MECHANICAL & CEILING DETAILS

SHEET NUMBER:
M1.5 N

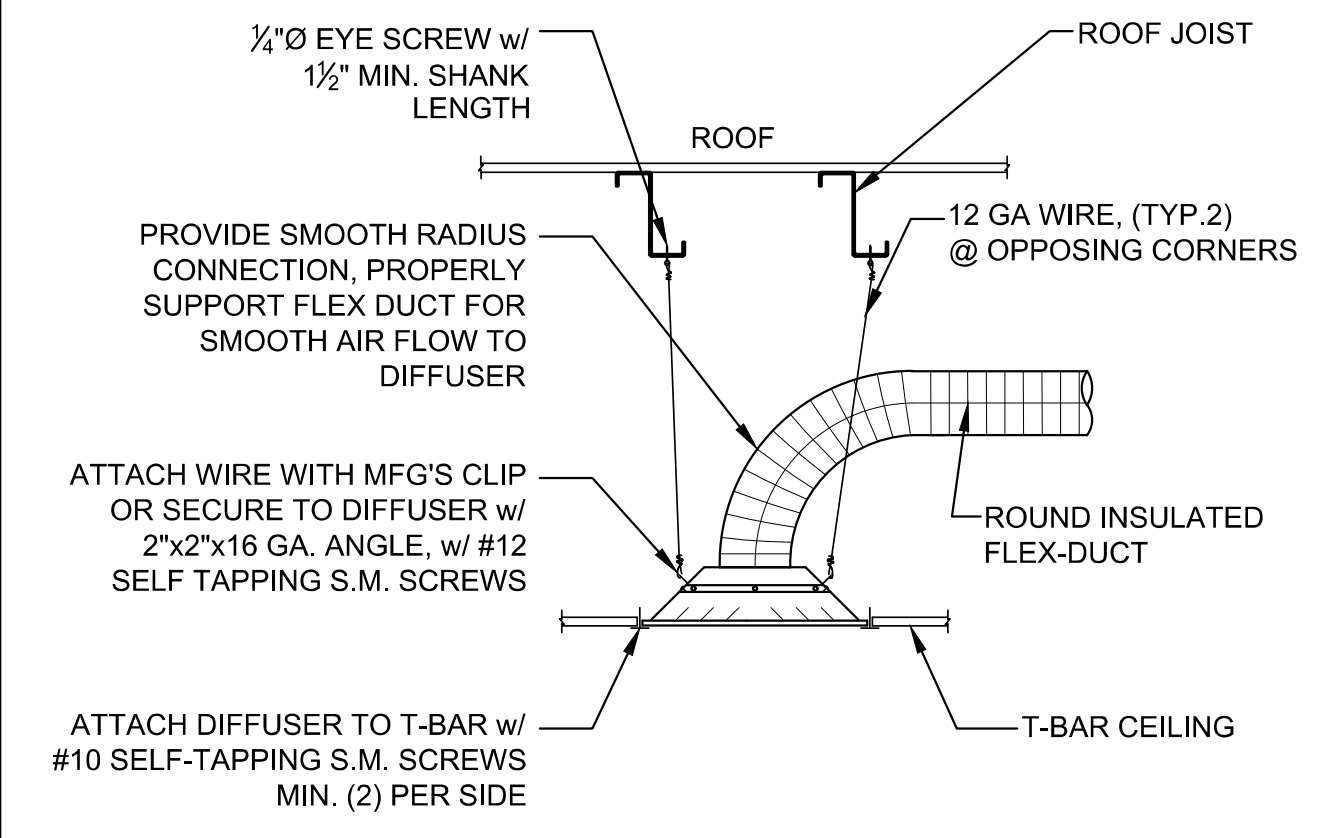


WINDOW CONDITION



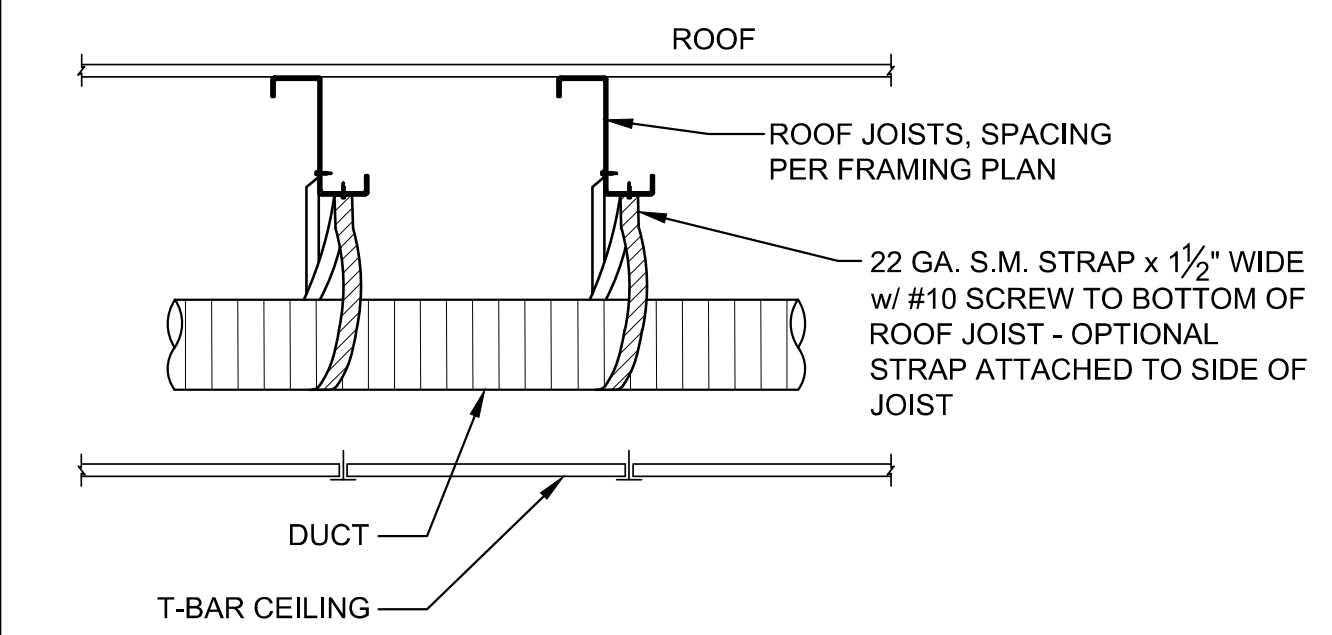
DOOR CONDITION

(A) = SEQUENCE OF ORDER



REGISTER MOUNTING DETAIL NOT TO SCALE 7

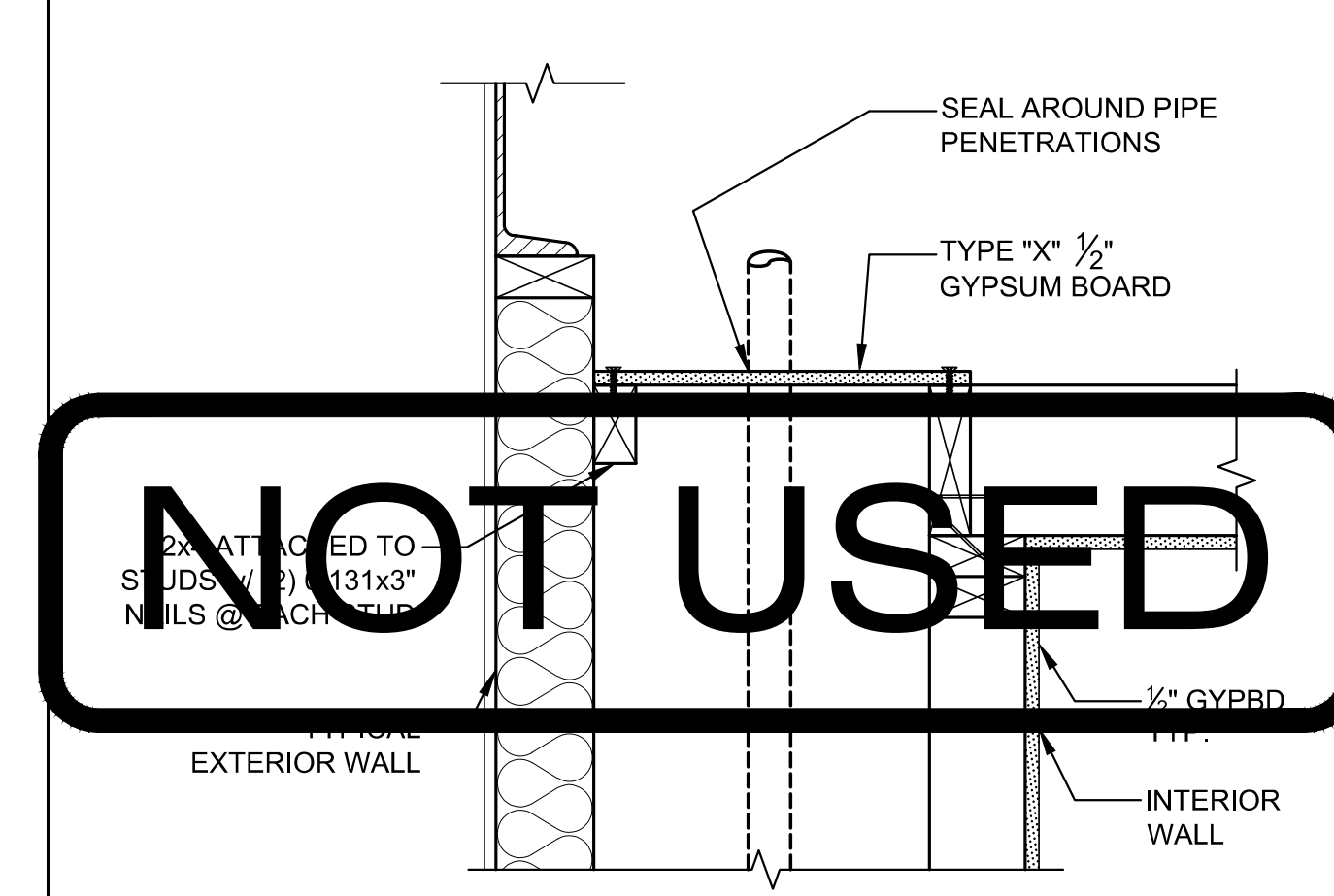
- NOTES:
- DUCTWORK SHALL BE SUPPORTED FROM ROOF JOISTS AT 4'-0" O.C. MAX TO ELIMINATE SAGGING.
 - FLEX DUCT (5'-0" MAX LENGTH) SHALL BE PULLED TIGHT TO ELIMINATE SAGGING.
 - DUCT TO PLENUM ATTACHMENT SHALL BE (3) #8 SCREWS & COVERED WITH 367-17 TAPE (UL181B-FX).
 - FOR DUCT ATTACHMENT TO DIFFUSER -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



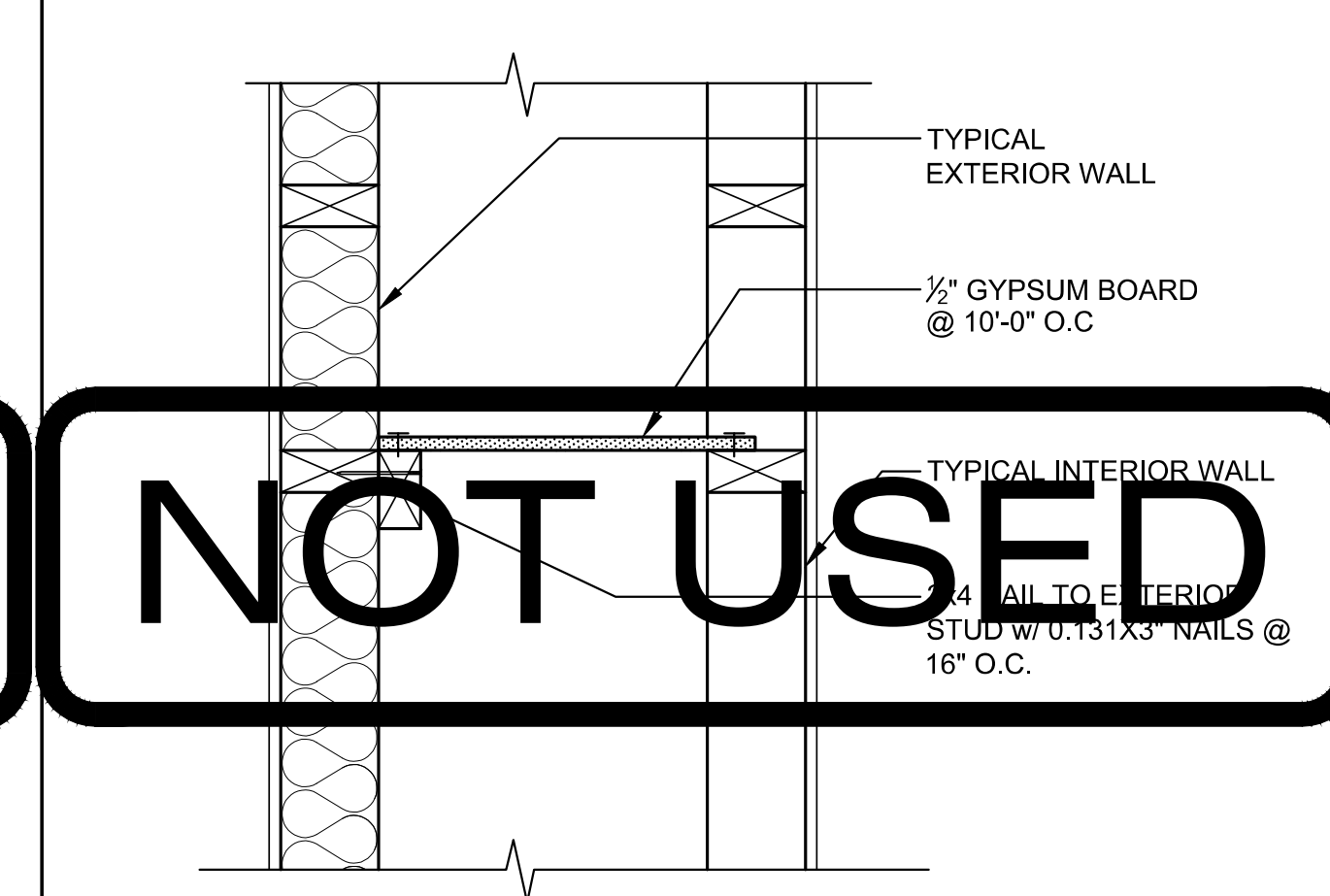
FLEX DUCTING SUPPORT DETAIL NOT TO SCALE 8

NOT USED 1 FLASHING @ WALL OPENINGS NOT TO SCALE 2

FLASHING @ WALL OPENINGS NOT TO SCALE 2



SECTION VIEW



PLAN VIEW

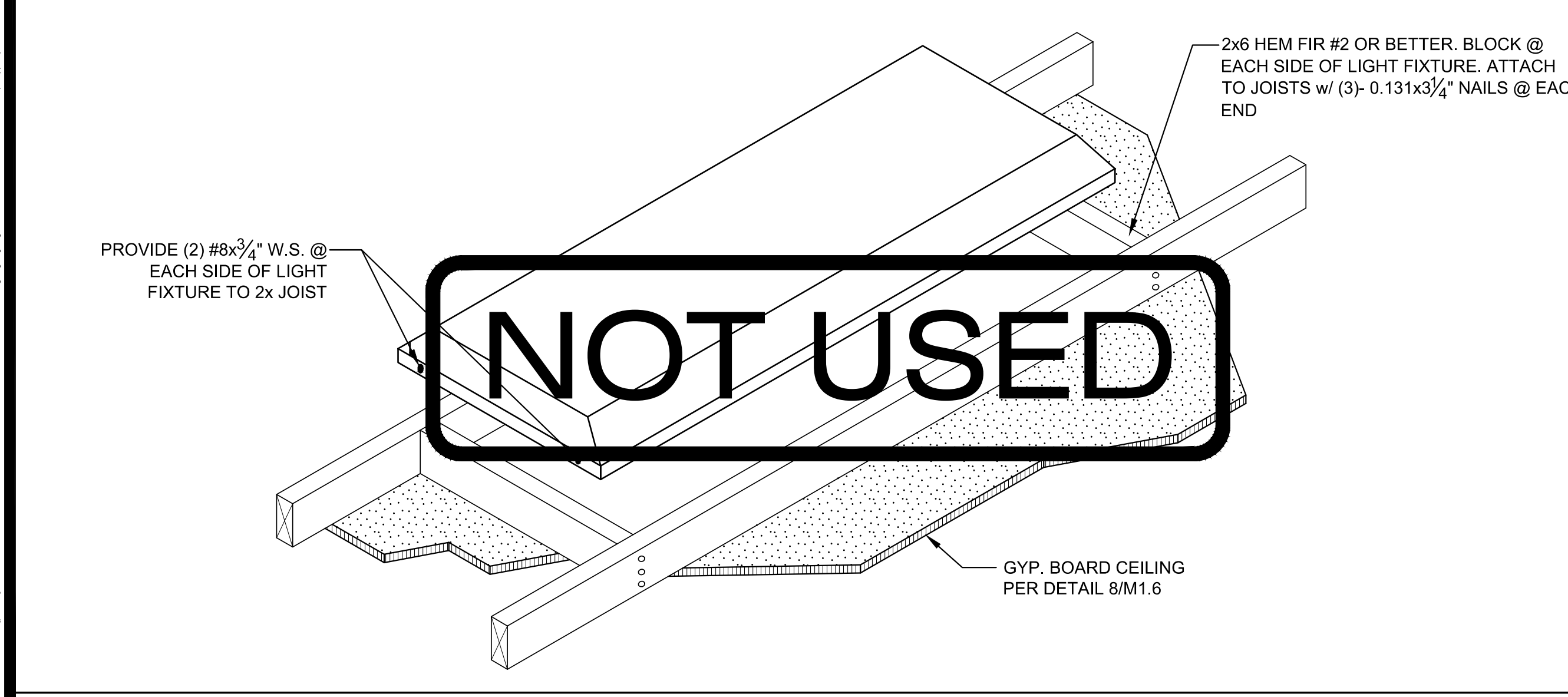
NOTE: REFER TO DETAILS 8/M1.6 AND 13/M1.6 FOR ADDITIONAL FRAMING DETAILS

NOT USED 3 DRAFT STOP @ PLUMBING CHASE SCALE: 1" = 1'-0"

DRAFT STOP @ PLUMBING CHASE SCALE: 1" = 1'-0"

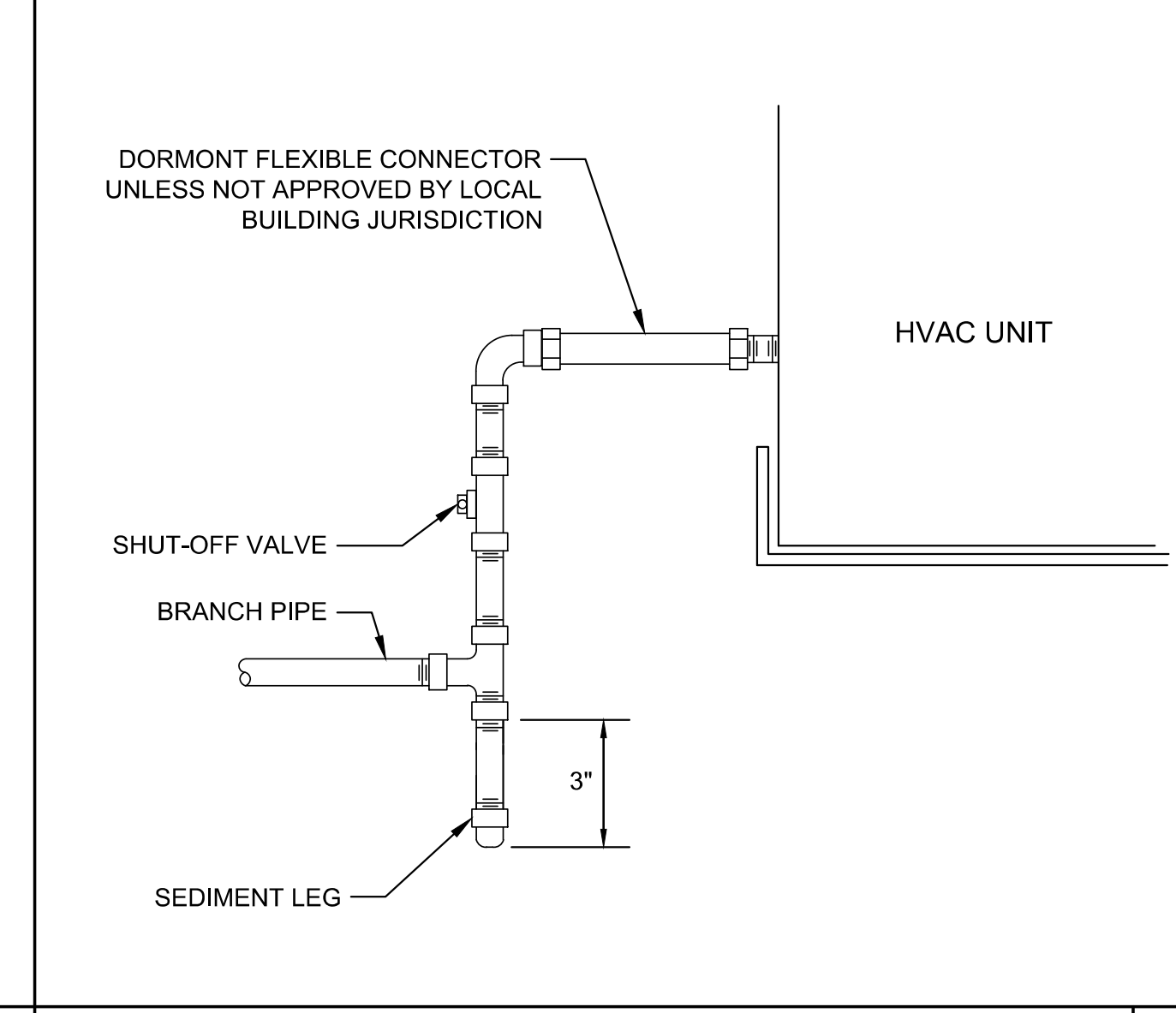
DRAFT STOP @ PLUMBING CHASE SCALE: 1" = 1'-0"

CONDENSATE DETAIL NOT TO SCALE 9



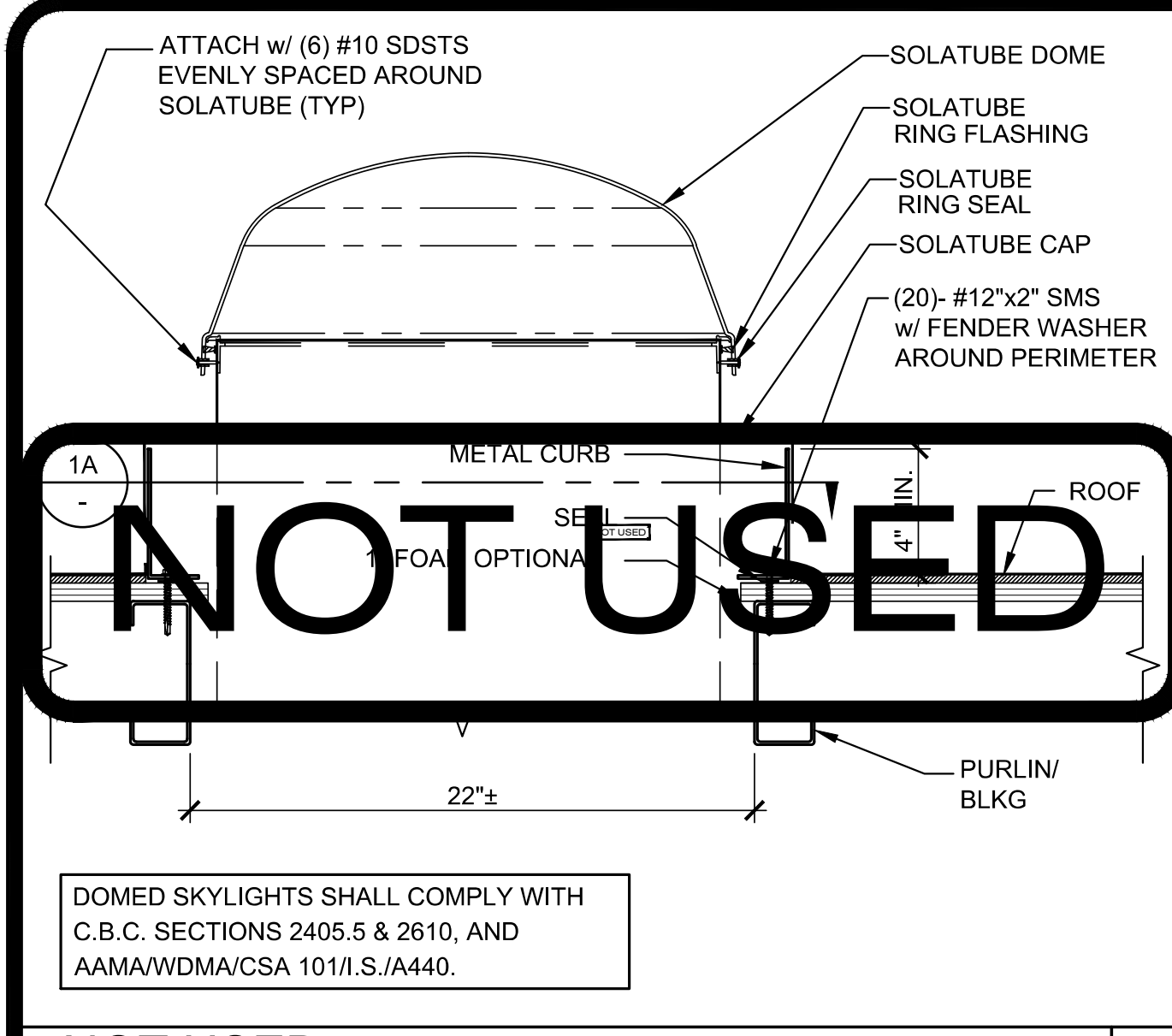
LIGHT FIXTURE ATTACHMENT DETAIL NOT TO SCALE 6A NOT USED

NOT USED 6A NOT USED

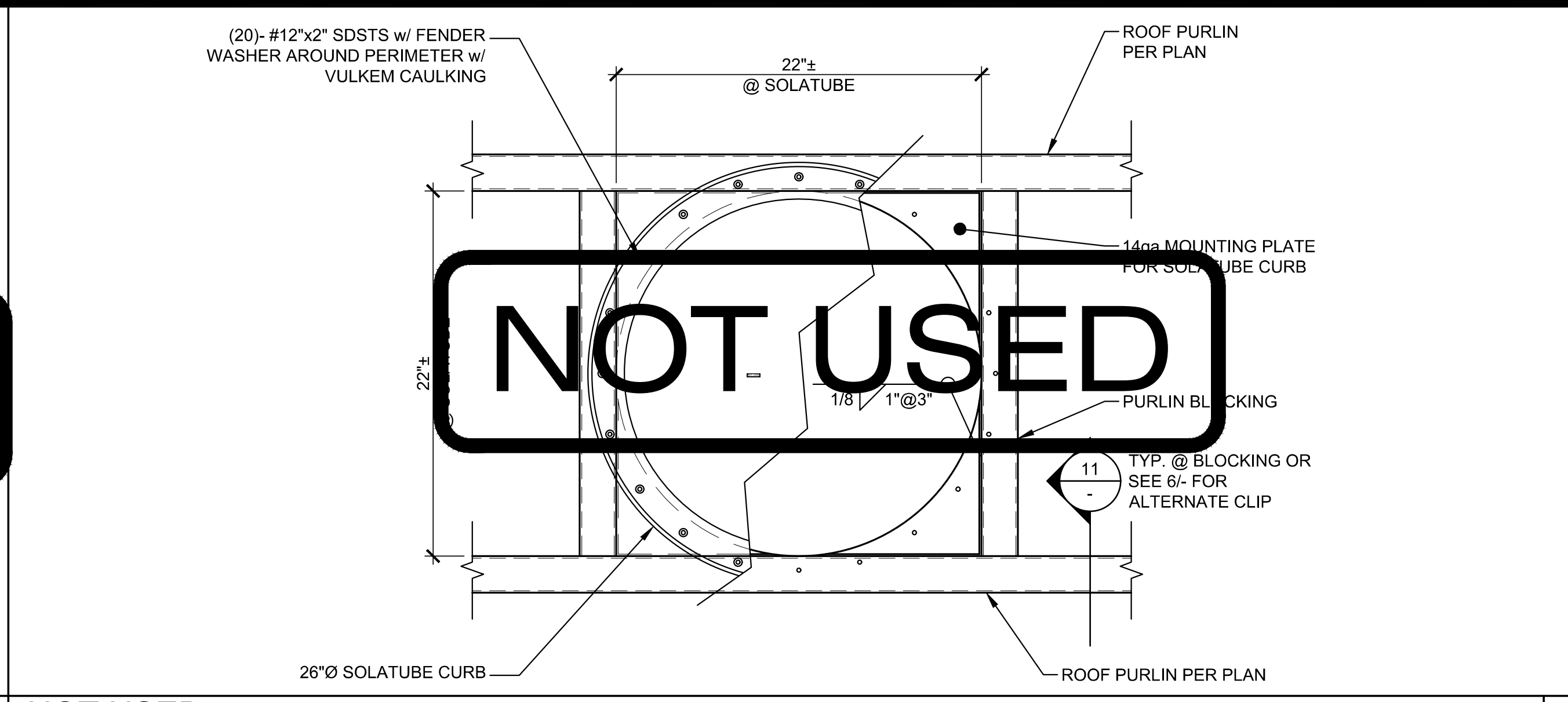


GAS CONNECTION DETAIL NOT TO SCALE 6B

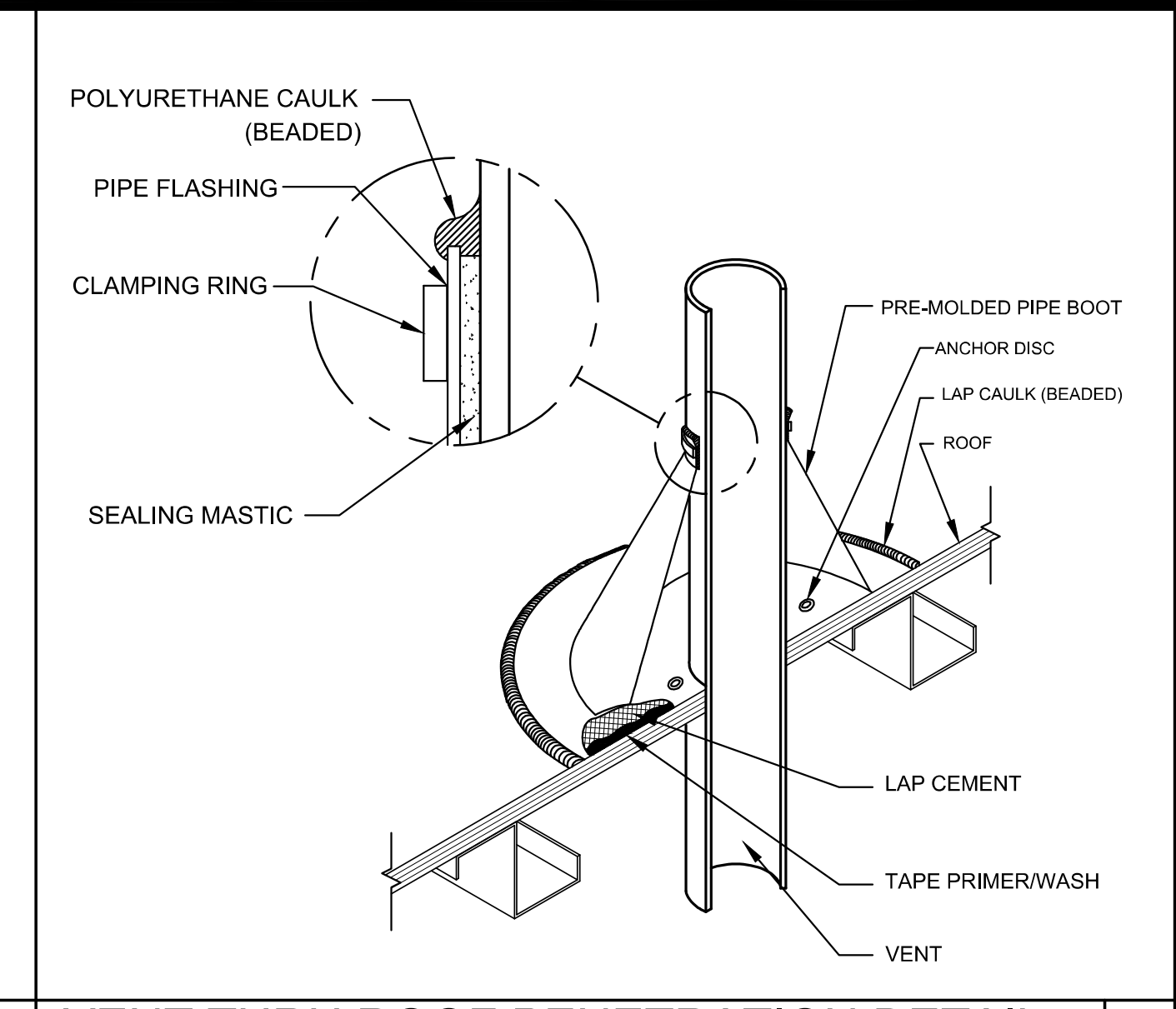
GAS CONNECTION DETAIL NOT TO SCALE 10



NOT USED



NOT USED



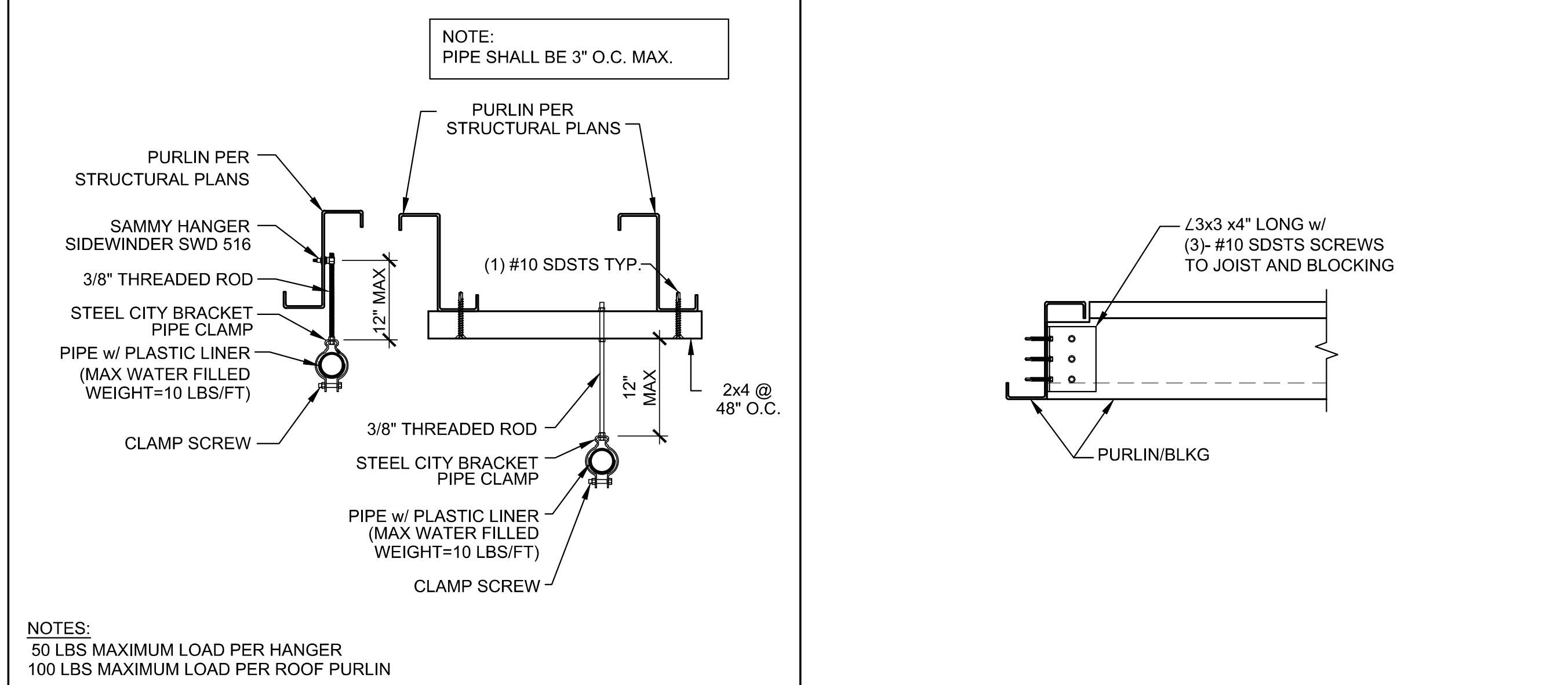
1A VENT THRU ROOF PENETRATION DETAIL NOT TO SCALE 2



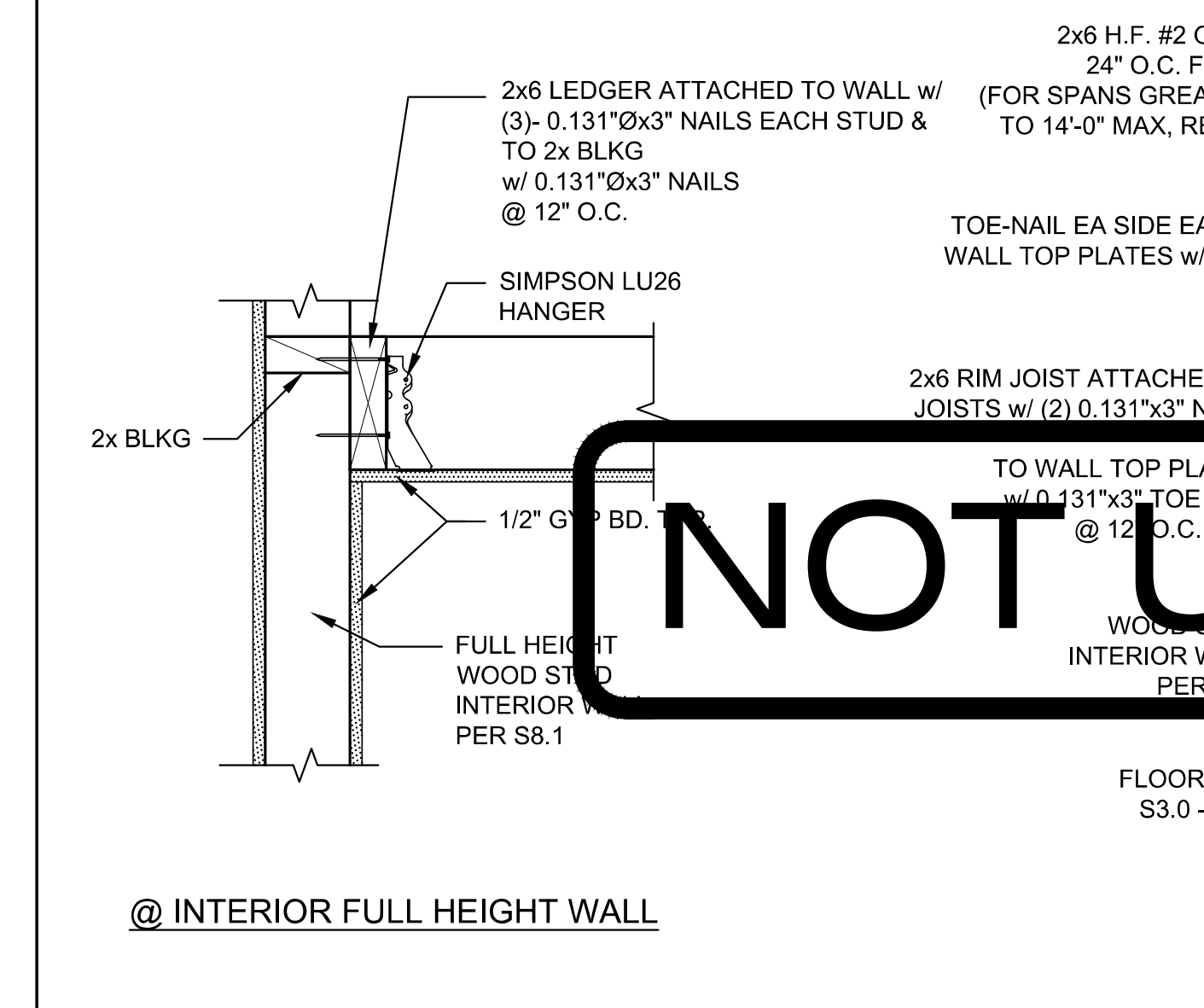
NOT USED



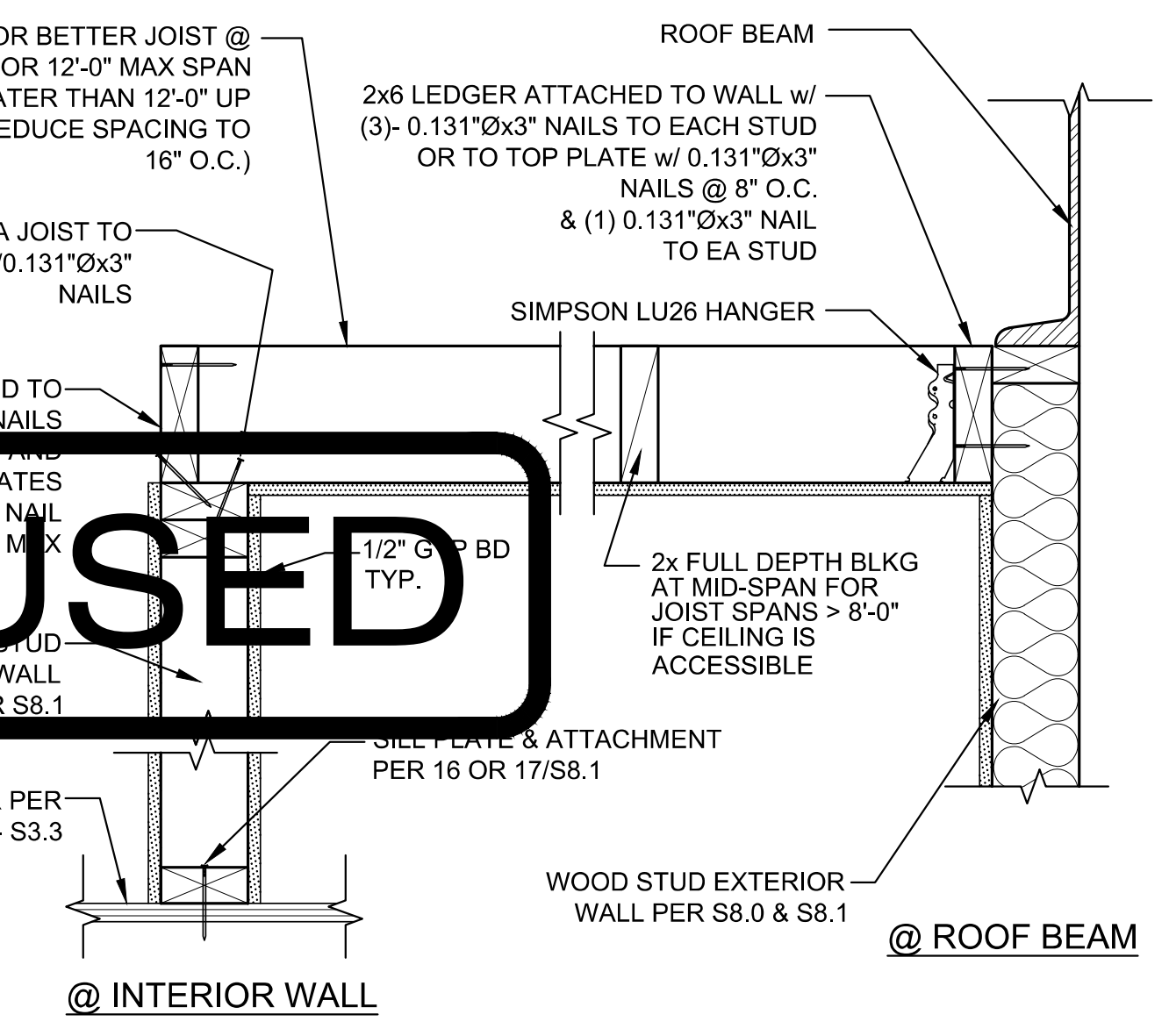
NOT USED



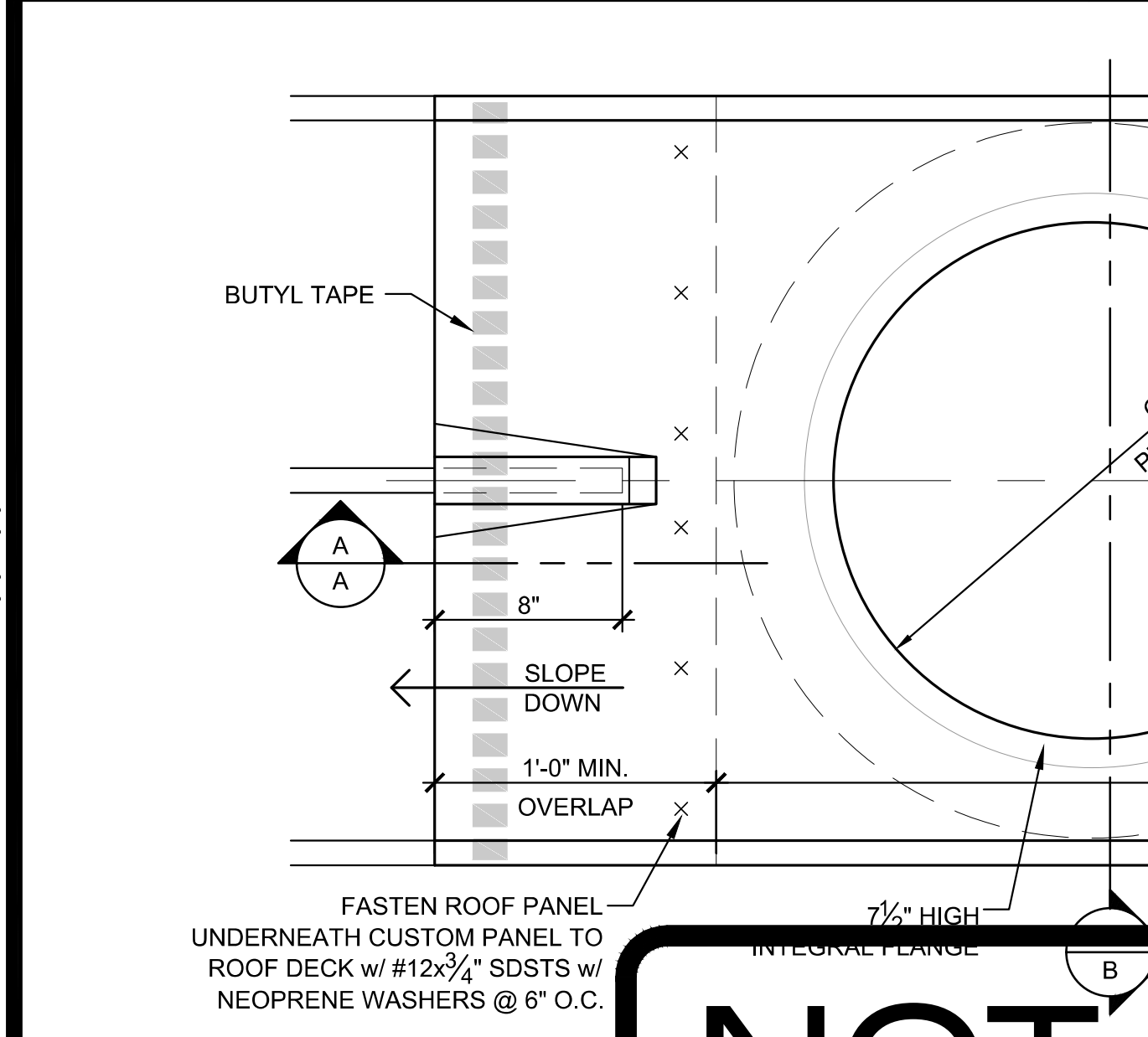
4 PIPE HANGER DETAIL SCALE: 1-1/2" = 1'-0" 5



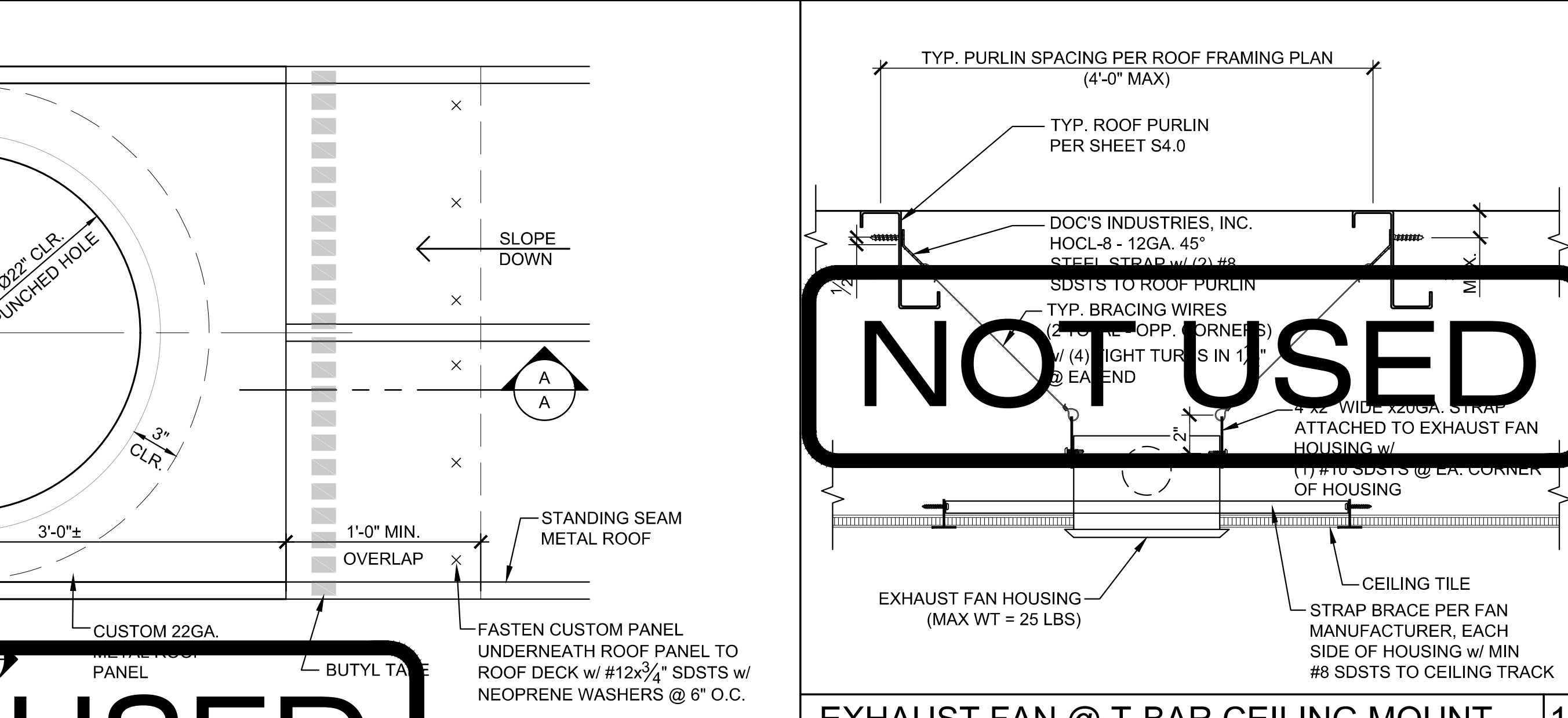
6 GYPSUM BOARD CEILING DETAIL w/ WOOD STUDS OPTION SCALE: 1-1/2" = 1'-0" 8



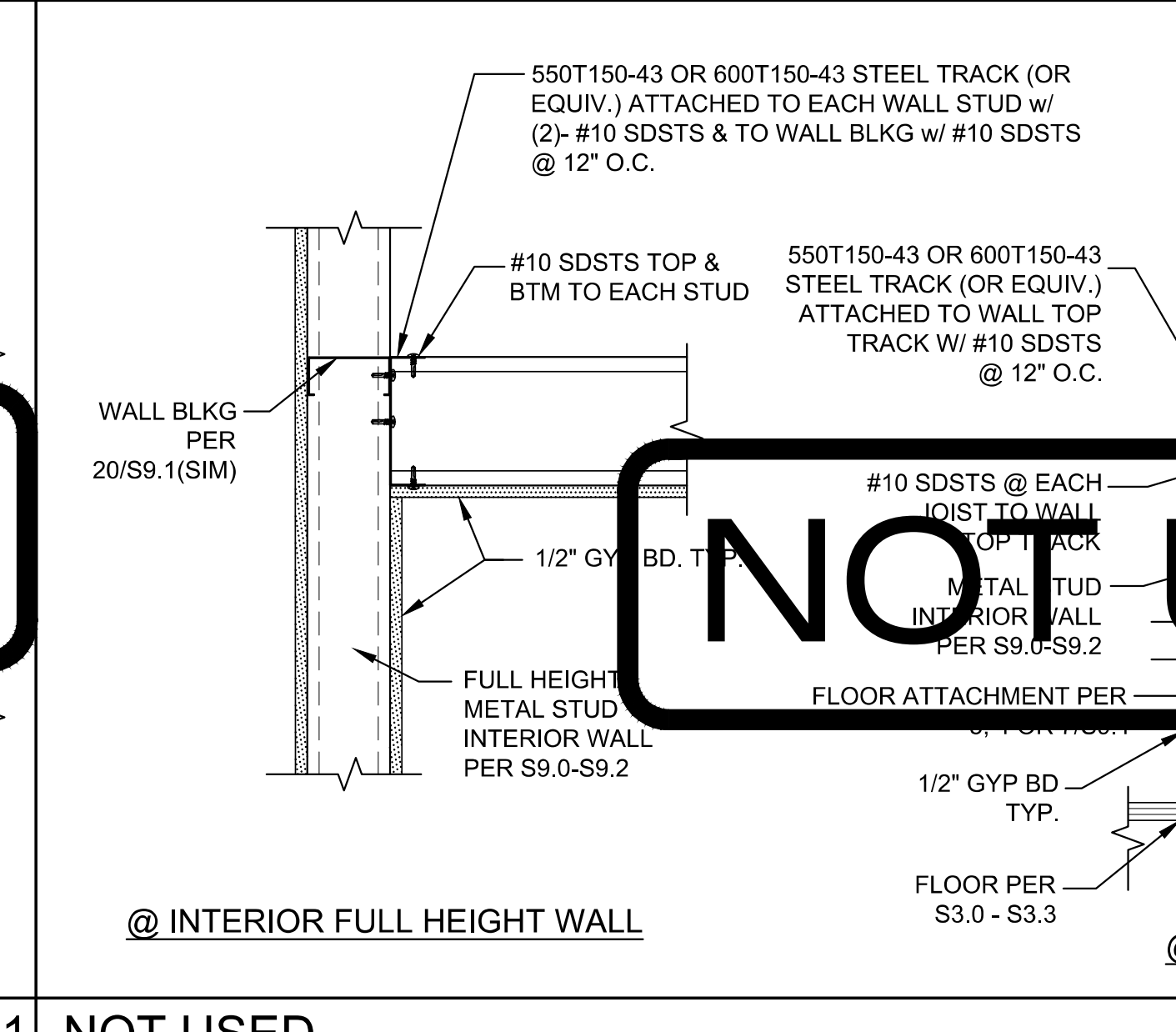
11 EXHAUST FAN @ T-BAR CEILING MOUNT 11



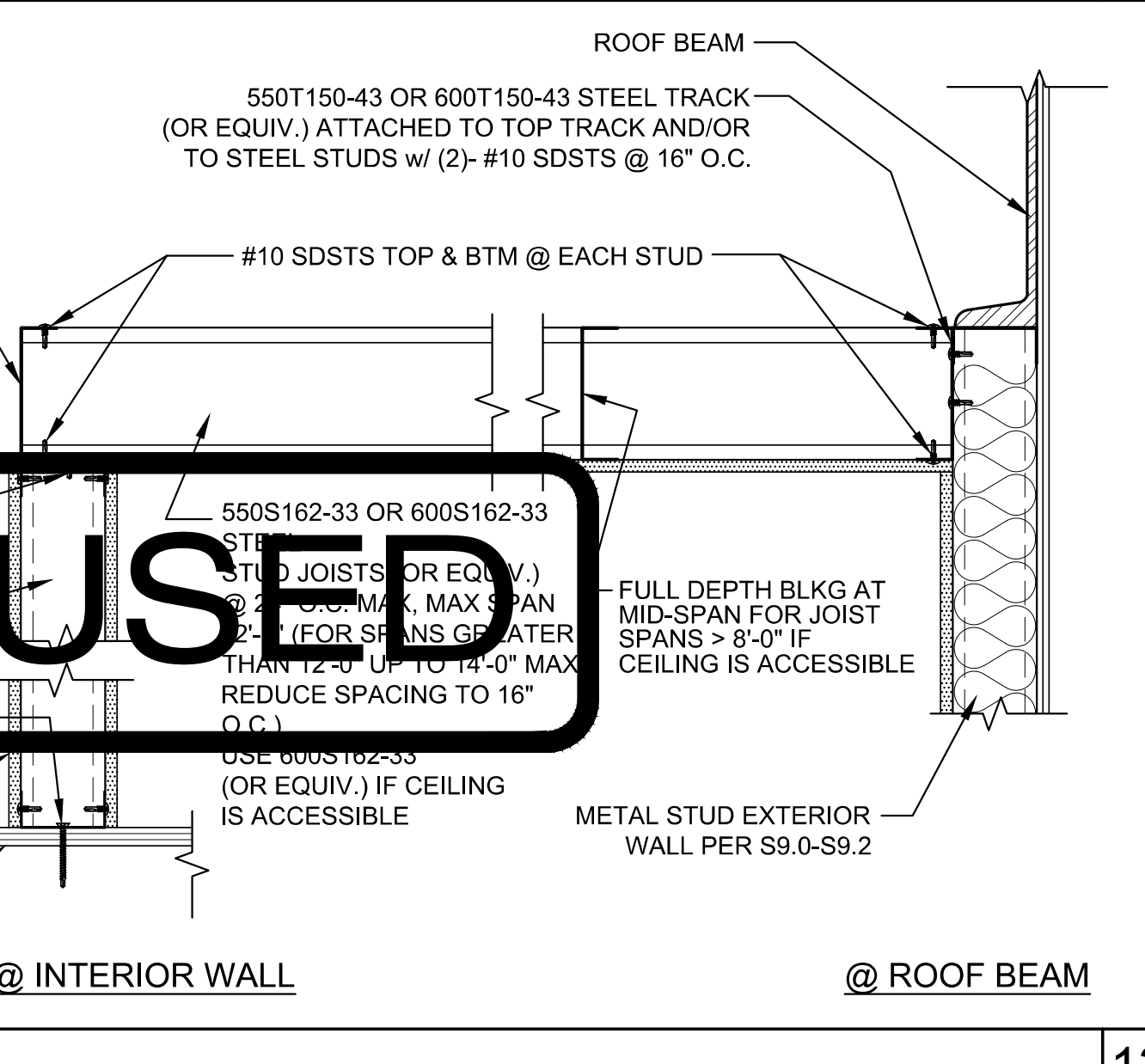
NOT USED



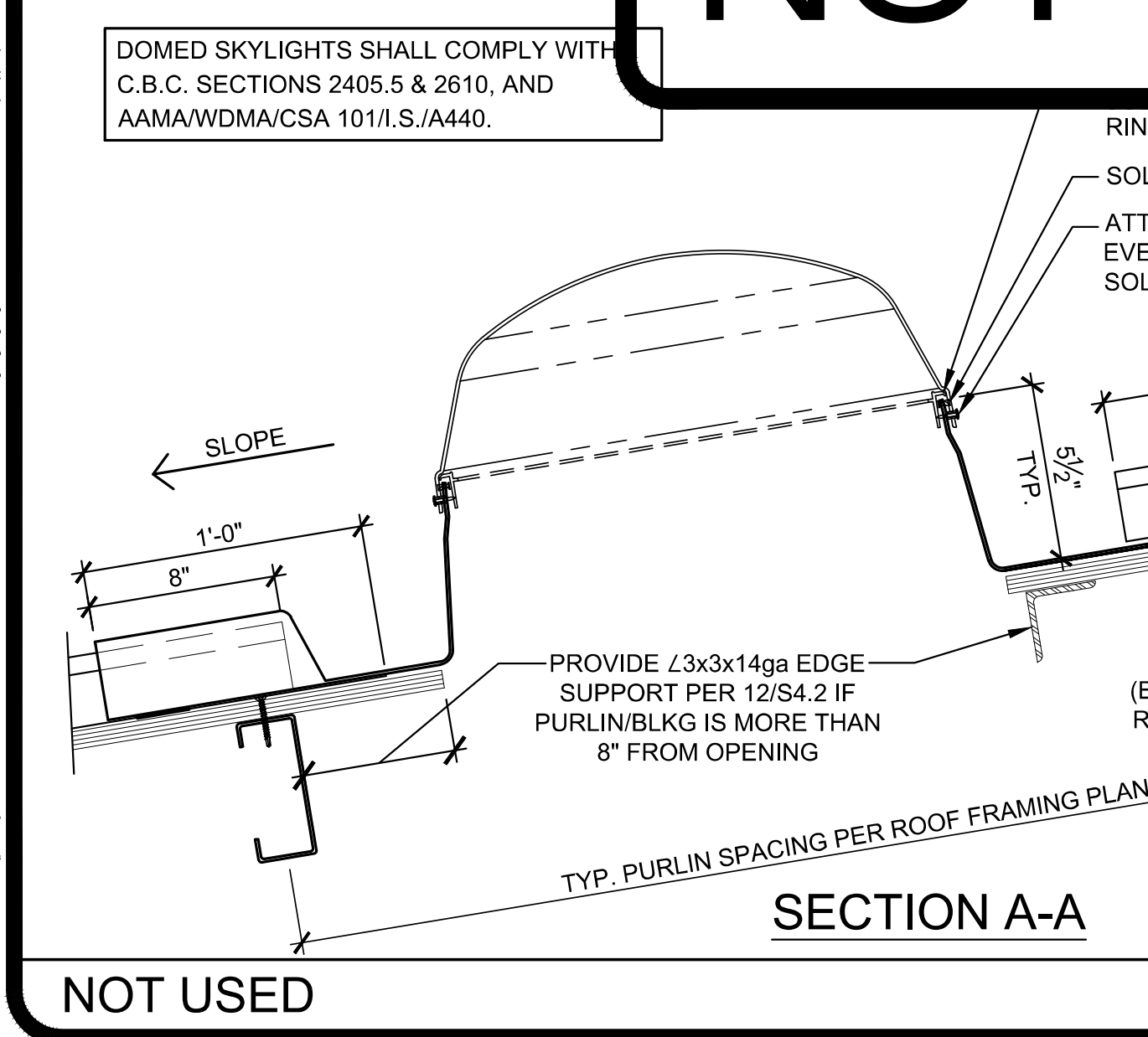
15 EXHAUST FAN @ GYP.BD. CEILING MOUNT 15



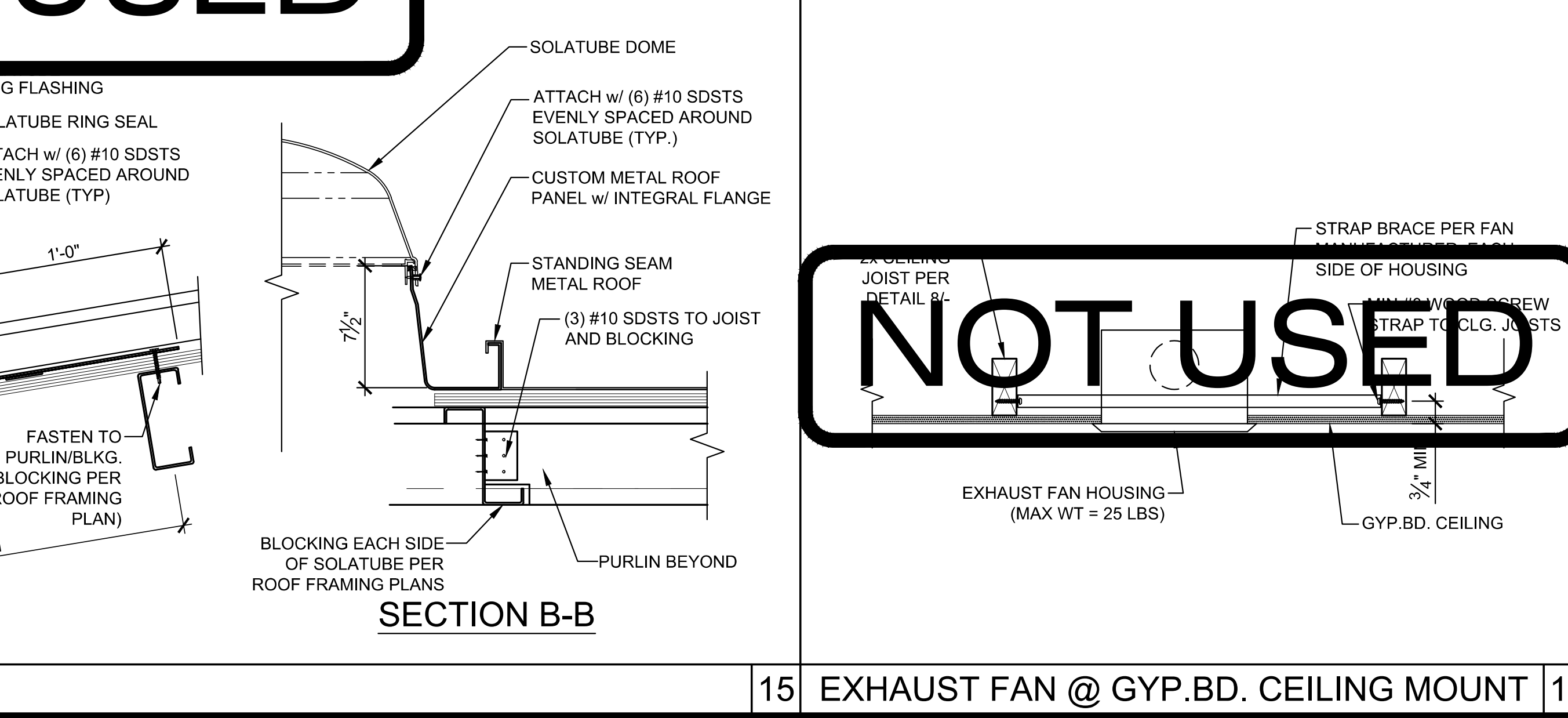
16 DETAIL @ WOOD STUD OPTION SCALE: 1-1/2" = 1'-0" 17



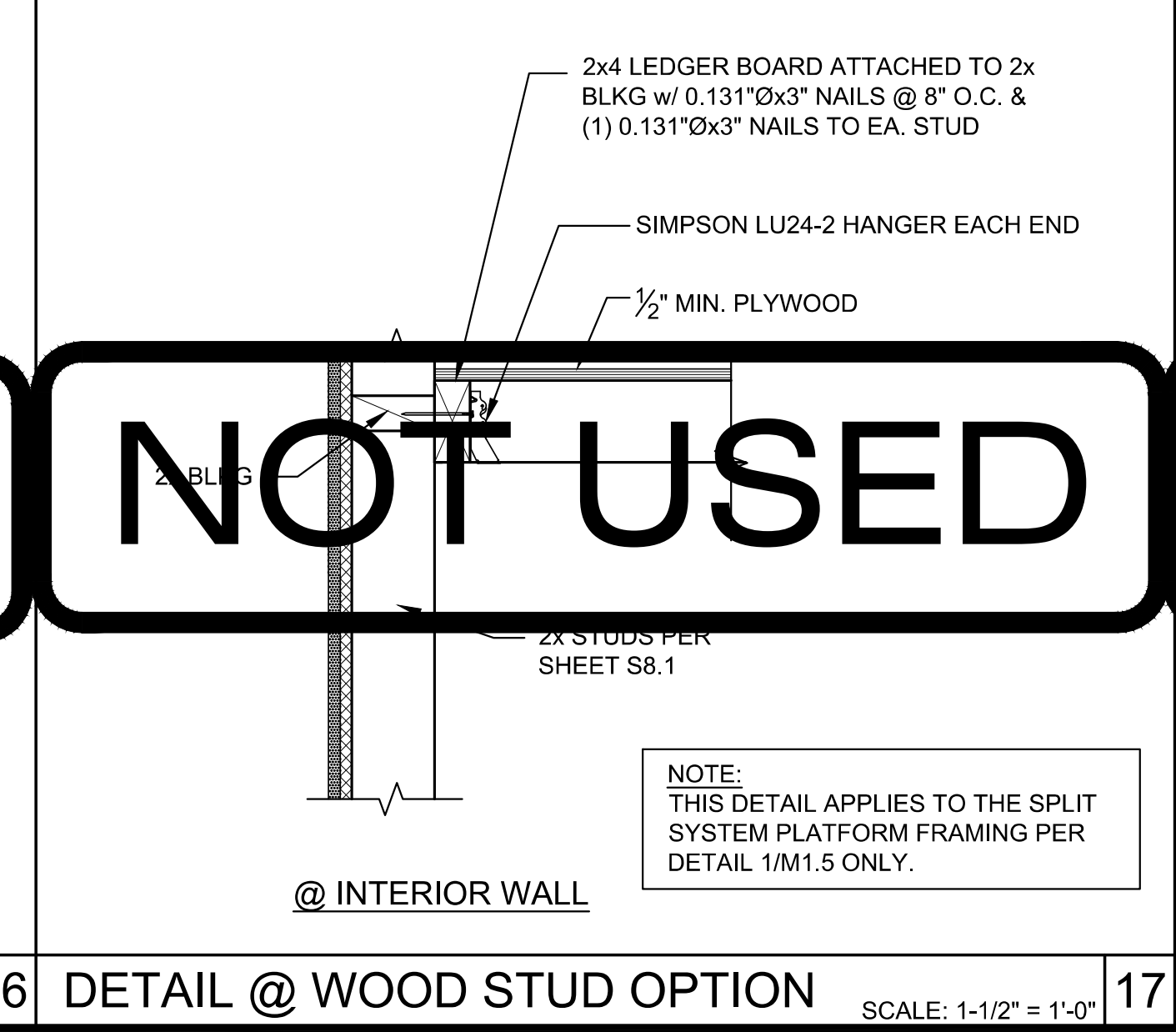
NOT USED



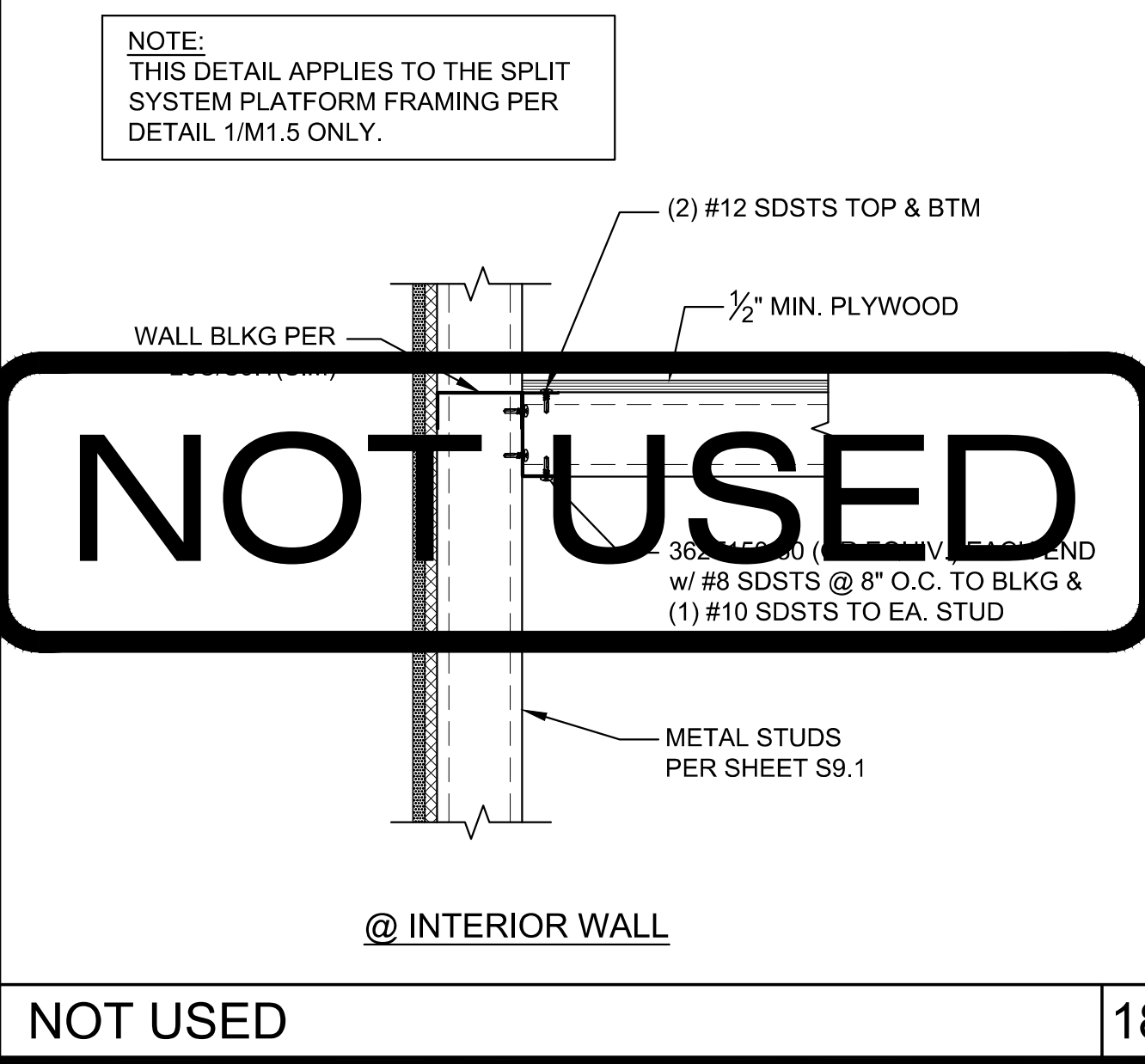
NOT USED



NOT USED



NOT USED



NOT USED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120719 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/3/2022

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 DRAWINGS, SPECIFICATIONS, 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 BUILDING, 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
24' x 40' THRU 48' x 40'
(HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-119283-PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/20/2021

2019 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENCED ARCHITECT
PATRICK M. AMES
No. C12631
Ren. 3-31-23
STATE OF CALIFORNIA

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

REVISIONS

DRAWN BY: ADS/AH
SCALE: AS NOTED
DATE: 03/11/21
PROJECT NO: XXXX-21
SHEET TITLE:

MECHANICAL ROOF DETAILS

SHEET NUMBER:
M1.6 N

- CEILING GRID SYSTEMS IN SEISMIC ZONES D, E, F, MUST BE RATED "HEAVY DUTY", AS DEFINED BY ASTM C635. PROVIDE GRID COMPONENTS AS SPECIFIED IN TABLE A BELOW, OR APPROVED EQUAL. GRID METAL FRAMING PIECES SHALL BE DESIGNED TO CARRY A MEAN ULTIMATE TEST LOAD OF NOT LESS THAN 180 LBS. IN COMPRESSION AND TENSION, PER ASTM E580.
- SUSPENSION WIRE SHALL BE CLASS 1 ZINC-COATED (GALVANIZED) CARBON STEEL CONFORMING TO ASTM A641. WIRE SHALL BE #12 GAGE WITH SOFT TEMPER AND A MINIMUM TENSILE STRENGTH OF 70 KSI.
- WHEN HANGER AND BRACING WIRES ARE ATTACHED TO CONCRETE ABOVE, TESTS PER D.S.A. IR 25-2.13 SECTION 6.8 MUST BE PERFORMED. POWER ACTUATED FASTENERS IN CONCRETE ARE NOT ALLOWED FOR BRACING WIRE.
- 12 GA. (MINIMUM) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0" GRID SPACING, ATTACH TO MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY D.S.A.
- PROVIDE 12 GA. HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS, AT THE PERIMETER OF THE CEILING AREA.
- PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1:6 OUT OF PLUMB ARE TO HAVE COUNTER-BRACED WIRES.
- CEILING GRID MEMBERS SHALL BE ATTACHED TO TWO (2) ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 3/4 INCH CLEAR OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE AND A MINIMUM OF 3/4 INCH CLEAR OF WALL.
- PERIMETER SUPPORT ANGLES SHALL BE AT LEAST 2 INCHES WIDE, OR USE PROPRIETARY ANGLES & SEISMIC CLIPS THAT HAVE A VALID EVALUATION REPORT.
- AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA. WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED, WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 8" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
- CEILING AREAS EXCEEDING 2,500 SQUARE FEET SHALL HAVE A SEISMIC SEPARATION JOINT.
- EXPANSION JOINTS SHALL BE PROVIDED AT INTERSECTIONS OF CORRIDORS, LOBBIES AND OTHER SIMILAR AREAS.
- PENETRATIONS THROUGH THE CEILING, SUCH AS FIRE SPRINKLERS, SHALL HAVE A 2 INCH OVERSIZED RING, SLEEVE OR ADAPTER TO ALLOW FREE MOVEMENT INDEPENDENT OF THE CEILING. ALTERNATE: A FLEXIBLE SPRINKLER FITTING THAT ALLOWS 1 INCH OF MOVEMENT CAN BE USED.
- LATERAL FORCE BRACING IS REQUIRED FOR ALL CEILINGS, EXCEPT CEILING AREAS OF 144 SQUARE FEET OR LESS WITH PERIMETER WALLS THAT ARE DESIGNED TO CARRY THE CEILING LATERAL FORCES. SPACING OF BRACING ASSEMBLIES MUST BE SHOWN ON THE PLANS.
- LATERAL FORCE BRACING CONSISTS OF A SET OF 1 COMPRESSION STRUT AND FOUR #12 GA. SPLAYED BRACING WIRES, ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
 - FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
 - PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS. THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL D.S.A. APPROVAL.
- COMPRESSION STRUTS SHALL BE ABLE TO RESIST THE VERTICAL PULL INDUCED BY BRACING WIRES, AND SHALL NOT BE MORE THAN 1:6 OUT OF PLUMB.
- FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS WITHIN A DISTANCE OF 3 INCHES. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS WITHIN A DISTANCE OF 1-1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
- SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC.
- ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS WITH SCREWS OR APPROVED FASTENERS AS REQUIRED TO RESIST A HORIZONTAL FORCE EQUAL TO THE FIXTURES' WEIGHT. MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH LIGHT FIXTURE.
- FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM, BUT THEY MUST HAVE A MINIMUM OF TWO #12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. FIXTURES WEIGHING LESS THAN 10 POUNDS MAY HAVE AT LEAST ONE #12 GA. SLACK SAFETY WIRE.
- LIGHT FIXTURES AND OTHER CEILING DEVICES WEIGHING MORE THAN 56 POUNDS SHALL BE INDEPENDENTLY SUPPORTED BY NO LESS THAN FOUR (4) TAUT #12 GAGE WIRES, ATTACHED TO THE STRUCTURE ABOVE. WIRES MUST BE ABLE TO SUPPORT FOUR (4) TIMES THE WEIGHT OF THE UNIT.
- ALL LIGHT-WEIGHT MISCELLANEOUS DEVICES, SUCH AS STROBE LIGHTS, OCCUPANCY SENSORS, SPEAKERS, EXIT SIGNS, ETC., SHALL BE ATTACHED TO THE CEILING GRID PER SECTION 2.6.3 OF D.S.A. IR 25-2.13. IN ADDITION, DEVICES WEIGHING MORE THAN 10 LBS SHALL HAVE A #12 GAUGE SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE PER SECTION 7.2.2 OF D.S.A. IR 25-2.13. DEVICES WEIGHING MORE THAN 20 LBS. SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE PER SECTION 7.3.4 OF D.S.A. IR 25-2.13.
- PANELS THAT WEIGH MORE THAN 0.5 LBS/SQ.FT. (PSF), OTHER THAN MINERAL FIBER ACOUSTIC TILES, SHALL BE POSITIVELY ATTACHED TO CEILING SUSPENSION RUNNERS.
- ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS, LAY-IN PANELS, SQUARE EDGE, ASTM FLAME SPREAD CLASS T, 24"x48" MODULAR SIZE. LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM, MAXIMUM SMOKE DENSITY NOT TO EXCEED 450, FLAME SPREAD RATING MAXIMUM OF 200. PANELS ARE NOT ALLOWED TO SUPPORT ANY FIXTURE, TERMINAL OR DEVICE.
- THERMOSTAT SHALL BE PROGRAMMED TO PREVENT SUPPLEMENTARY HEATER OPERATION WHEN THE HEATING LOAD CAN BE MET BY THE HEAT PUMP ALONE. THE CUT-ON TEMPERATURE FOR COMPRESSION HEATING MUST BE HIGHER THAN THE CUT-ON TEMPERATURE FOR SUPPLEMENTARY HEATING, AND THE CUT-OFF TEMPERATURE FOR COMPRESSION HEATING MUST BE HIGHER THAN THE CUT-OFF TEMPERATURE FOR SUPPLEMENTARY HEATING PER CEC 2019 SECTION 110.2(b).

TABLE A - HEAVY DUTY GRID COMPONENTS					
MANUFACTURER	MAIN TEE	H.D. 4' CROSS TEE	H.D. 2' CROSS TEE	RUNNER SPLICE DETAIL	ICBO ER REPORT
DONNUSG	DX-26	DX-424	DX-216	N/A	ICC-ESR-1222
ARMSTRONG	7301	XL7341	XL8320	N/A	ICC-ESR-1308
CHICAGO/ROCKFON	200.01	1274.01	1202.01	N/A	ICC-ESR-2631

NOTE: ALL GRID COMPONENTS SHALL BE BY THE SAME MANUFACTURER

HVAC CFM CHART							
	MODEL #	DESCRIPTION	MAX. CFM	UNIT WEIGHT (LBS)	EER	COP	CLIMATE ZONE(S)
BARD WALL HUNG	W24HA-A	3/2 TON HEAT PUMP	1250	471	10.2	3.0	1-16
	W48HA-A	4 TON HEAT PUMP	1400	480	10.0	3.0	1-16
	W96HA-A	5 TON HEAT PUMP	1450	525	10.4	3.0	1-16

HVAC SCHEDULE			
BUILDING SIZE	# OF HVAC		
	3/2 TON HVAC	4 TON HVAC	5 TON HVAC
<input type="checkbox"/> 24'x40'	1		
<input type="checkbox"/> 36'x40'		1	
<input checked="" type="checkbox"/> 48'x40'	2		

MINIMUM INSULATION SCHEDULE					
ZONE	WALL	ROOF		FLOORS (NON-CONCRETE)	CONCRETE FLOORS
		BATTS	RIGID		
1-16	*R-13	**R-19	***R-1	R-13	N/A

* IN ADDITION TO R-13 BATT INSULATION, R-4 RIGID INSULATION TO BE USED OVER METAL FRAMED WALLS
 ** SECURED w/ 22 GA WIRE @ 16" O.C.
 *** R-1 MAY BE ACHIEVED w/ POLYSTYRENE OR INSULATION TAPE APPLIED TO THE TOP FLANGE OF PURLINS, TYP.

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

HEATING VENTILATING AND AIR CONDITIONING (HVAC)

- HEAT PUMP: SINGLE PACKAGE WALL-MOUNTED AIR-TO-AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH A.R.I. STANDARD 240-77. MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 5-TON UNIT. ALL UNITS SHALL BE 230/208 VOLT, 1 PHASE SYSTEM, UL TESTED & APPROVED OR COMPARABLE, AND MEET CURRENT ENERGY STANDARDS.
 - THE SYSTEM SHALL MAINTAIN AN AUTOMATICALLY CONTROLLED INDOOR CLASSROOM TEMPERATURE OF 78 DEGREES F. WHEN THE OUTDOOR DRY BULB TEMPERATURE VARIES BETWEEN 100 DEGREES F. IN THE SUMMER.
 - THE SYSTEM MUST MAINTAIN THE ABOVE TEMPERATURE WHEN THE DAMPER IS ADJUSTED TO USE APPROXIMATELY ONE-THIRD FRESH AIR.
- DUCTWORK
 - CONSTRUCT ALL DUCTWORK OF GALVANIZED SHEET METAL IN ACCORDANCE WITH C.M.C., ASHRAE GUIDE EQUIPMENT VOLUME, AND SMACNA LOW VELOCITY DUCT CONSTRUCTION MANUAL, LATEST EDITIONS. ALL DUCTWORK SHALL BE INSULATED WITH 1" THICK FIBERGLASS DUCT WRAP WITH VAPOR BARRIER. PROVIDE 1" DUCT ATTENUATION AT ALL DUCTWORK WITHIN 2'-0" OF HVAC UNIT.
 - NON-METALLIC DUCTWORK OPTION: IN ACCESSIBLE CONCEALED PORTIONS OF DUCT SYSTEM, RIGID 1" FIBERGLASS OR INSULATED FLEX-DUCT WITH VAPOR BARRIER MAY BE SUBSTITUTED FOR SHEET METAL DUCTWORK. ALL DUCTWORK WITHIN 2'-0" OF THE HVAC UNIT AND ALL INTERFACE CONNECTIONS SHALL BE METAL. DUCTWORK AND REINFORCEMENT SHALL BE DESIGNED FOR 2" STATIC PRESSURE. REFERENCE BRANDS: OWENS-CORNING FIBERGLASS DUCTBOARD, 1" THICK, AND MICRO-AIRE TYPE 475. NON-METALLIC DUCTWORK SHALL CONFORM TO NFPA 90-A AND SMACNA CLASS 1 RATING.
 - DUCT INSTALLATION AND PLENUMS SHALL MEET THE REQUIREMENTS OF ENERGY CODE SECTION 120.4 AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. HORIZONTAL FLEX DUCT SHALL BE SUPPORTED AT A MAXIMUM 4' INTERVALS, WITH HANGING STRAPS A MINIMUM 1-1/2" WIDE. DUCTS MUST BE PULLED TIGHTS WITH A MAXIMUM SAG OF 1/2" PER FOOT OF HORIZONTAL RUN. DUCTS SHALL NOT BE KINKED OR CRUSHED. BEND/RADIUS EQUAL TO THE DUCT DIAMETER OR GREATER.
 - SIZES OF SUPPLY AND RETURN DUCTS SHALL BE SPECIFIED ON PLANS. HVAC CURB SUPPLY AND RETURN DUCTS SHALL BE THE SAME SIZE AND ALIGN WITH THE HVAC UNIT.
- AIR DUCT INSULATION AND LININGS SHALL COMPLY WITH FLAME SPREAD LESS THAN OR EQUAL TO 25, SMOKE GENERATION LESS THAN OR EQUAL TO 50.
- SUPPLY AIR DIFFUSERS SHALL BE 675 CFM MAXIMUM, 12" ROUND, 1" FIBERGLASS OR FLEXDUCT DUCTWORK SPECIFICALLY DESIGNED TO PROVIDE AIR THERMAL COOLING SYSTEMS, 24"x8"x1" MICRO-AIRE TYPE #475 OWENS-CORNING, KNAUF, 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 GRADE GRILLS AND REGISTERS.
- AIR CONDITIONING CONTROLS: PROVIDE ELECTRONIC PROGRAMMABLE THERMOSTAT. THERMOSTAT SHALL BE PROGRAMMED WITH EXPECTED OCCUPIED TIMERS. AIR HANDLER FAN WILL BE PROGRAMMED TO RUN DURING ALL OCCUPIED TIMES. PRE-OCCUPANCY PURGE SHALL BE PROGRAMMED ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED. THERMOSTAT SHALL HAVE THE FOLLOWING FUNCTIONS:
 - 5 AND 2 WEEKDAY/WEEKEND PROGRAMMING DAYS WITH 4 SEPARATE TIME/TEMPERATURE SETTINGS FOR A 24-HOUR PERIOD.
 - KEY BOARD LOCKOUT SWITCH.
 - PROGRAMMABLE DISPLAY.
 - 2-HOUR OVERRIDE MINIMUM.
 - STATUS INDICATED LED'S.
 - BATTERY BACK-UP.
 - PROVIDE LOCKING CLEAR THERMOSTAT COVER WITH THERMOSTAT COVER WITH ACCESS HOLE FOR PROGRAM OVERRIDE. WHITE RODGERS IF92-371. MOUNT TOP OF BOX @ 48" A.F.F. MAX. (WHERE SEALED, SETTINGS & ADJUSTMENTS CAN BE DONE BY SERVICE PERSONNEL ONLY.)
- THERMAL INSULATION
 - ROOF INSULATION: R-19 WITH 22 GA. WIRE @ 16" O.C. & R-1 TOP OF PURLINS.
 - WALLS INSULATION: R-13 KRAFT FACED. (R-4 INSULATION OVER METAL FRAMED WALLS)
 - NON-CONCRETE FLOORS INSULATION: R-13
 - CONCRETE FLOORS INSULATION: N/A
 - FLAME SPREAD AND SMOKE DEVELOPMENT SHALL CONFORM TO CALIFORNIA BUILDING CODE SEC. 720.
- FACTORY-MADE AIR DUCTS
 - FACTORY-MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF C.M.C. SECTION 601.0.
 - EACH PORTION OF A FACTORY-MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE WITH C.M.C. SECTION 601.0 AND ITS CLASS DESIGNATION. THESE DUCTS SHALL BE LISTED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING AND THE REQUIREMENTS OF C.M.C. SECTION 601.0.
 - DUCT SUPPORT FLEX DUCT TO BE SUPPORTED WITH 1-1/2" WIDE x26 GA. GALV. STRAP @ MAX 4'-0" O.C. ATTACH TO RAFTER WITH TWO #8 S.M.S. @ EACH END.
 - SUPPLY AIR PLENUM TO BE SUPPORTED WITH 1-1/2" WIDE x26 GA. GALV. STRAPS MINIMUM 2 PER PLENUM.
 - SUPPLY AIR BOX AND DIFFUSERS TO BE SUPPORTED WITH (2) 12 GA. HANGER WIRES TO BOX @ OPPOSITE CORNERS.
 - SUPPLY AIR BOX AND DIFFUSERS TO BE BRACED WITH (2) 12 GA. SLACK WIRES TO BOX @ OPPOSITE CORNERS. ATTACH SUPPLY AIR DIFFUSERS TO CEILING GRID TO RESIST A LATERAL LOAD EQUAL TO THE WEIGHT OF THE DIFFUSER AND SUPPLY AIR BOX WITH TWO #8 S.M.S.
- FIREBLOCKING SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS:
 - IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES;
 - AT THE CEILING AND FLOOR LEVELS;
 - AND AT 10-FOOT (3048mm) INTERVALS BOTH VERTICAL AND HORIZONTAL. REFERENCE 2019 CBC SECTION 718.
- THE INTERIOR ENVIRONMENT SHALL BE ASSEMBLED WITH PRODUCTS THAT CONTRIBUTE TO A HEALTHY INDOOR AIR QUALITY (IAQ). THE FOLLOWING SHALL COMPLY TITLE 24, PART 11 ("CAL-GREEN"), SECTION 5.504.4. (SEE SHEET N1.0, SECTION 9C "INTERIOR AIR QUALITY CONTROL")
- HVAC FILTER
 - FILTERS SHALL HAVE A "MINIMUM EFFICIENCY REPORTING VALUE" OF 13 WITH 2" DEPTH MIN. (MERV 13) AND SHALL BE INSTALLED PRIOR TO OCCUPANCY AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL, PER 2019 CEC SECTION 5.504.5.3.
 - INSTALLED FILTERS SHALL BE CLEARLY LABELED BY THE MANUFACTURER INCLUDING THE MERV RATING, PER 2019 CBC SECTION 5.504.5.3.1
- ROOF MOUNTED HVAC
 - A GASKET SHALL BE PLACED BETWEEN THE CURB AND THE HVAC UNIT. MASTIC SEALANT SHALL BE USED TO SEAL ALL SEAMS BETWEEN THE HVAC UNIT AND DUCTS.
- HVAC CONTROLS
 - THERMOSTAT (BY OTHERS) WILL BE PROGRAMMED WHEN THE MODULAR BUILDING IS PLACED ON A SITE TO ENSURE THE MINIMUM AIR RATE WILL BE SUPPLIED TO THE SPACE AT ALL USUALLY OCCUPIED TIMES AND PROGRAMMED TO PROVIDE A PRE-OCCUPANCY PURGE ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED PER ENERGY CODE 120.1(c)1.
- UPON SITE PLACEMENT OR SITE CONSTRUCTION, THE OPERATION AND MAINTENANCE DOCUMENTATION FOR ALL MECHANICAL AND LIGHTING SYSTEMS AND CONTROLS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR FOR THE PERMANENT MODULAR RELOCATABLE BUILDING AND DELIVERED TO THE OWNER.

HVAC NOTES

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 MARKING OF ANY BUILDING, MODULAR OR OTHER RELATED 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
 24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 .
 .
 .

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119283 INC.
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
 MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
 PATRICK J. MOYER
 No. C12631
 Ren. 3-31-23
 STATE OF CALIFORNIA

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

REVISIONS

△	
△	
△	

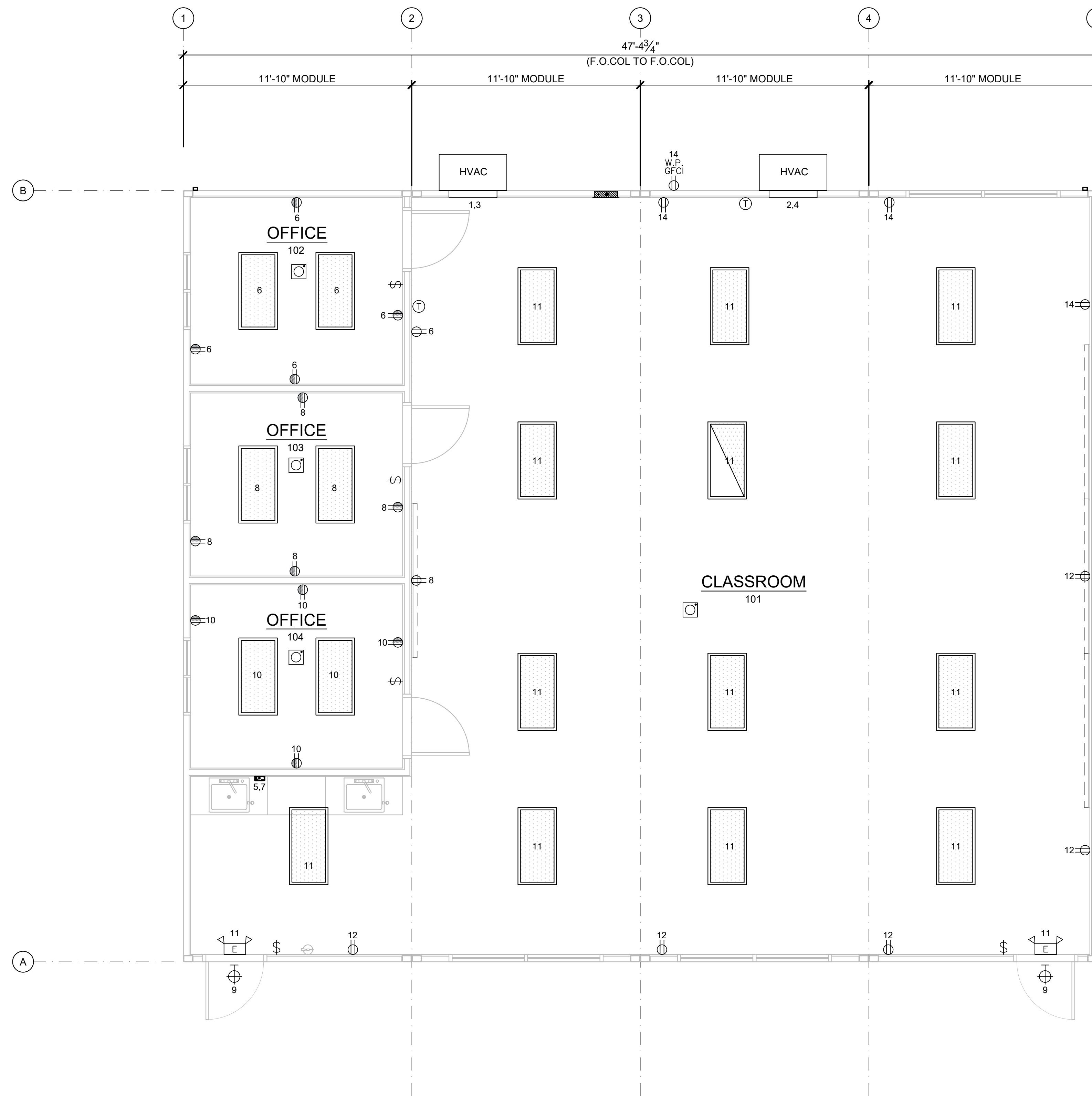
DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21

SHEET TITLE:
**CEILING & MECHANICAL
 NOTES & SCHEDULES**

SHEET NUMBER:
M1.7 N

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

HVAC SCHEDULES



- ELECTRICAL PANEL - MOUNT FLUSH WITH WALL FINISH, U.O.N.
- ⊕ INCANDESCENT WALL MOUNTED INTERIOR LIGHT FIXTURE MODEL: LEVITON 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
- ⊕ EXTERIOR SOFFIT MOUNTED LIGHT FIXTURE ENERTRON MODEL 110BSH2X7LED-50 LOW PROFILE CANOPY, LED OR EQUAL (MAX 16W)
- ⊕ UNCONTROLLED-DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N.
- ⊕ CONTROLLED-DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N. - TO BE CONTROLLED BY OCCUPANCY SENSOR.
- ⊕ COMBO-DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N.
- ⊕ FOURPLEX WALL OUTLET - MOUNT @ +18" A.F.F. TO CENTER LINE - U.O.N.
- ⊕ WP/GFCI WEATHER-PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
- ⊕ GFCI GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
- ⊕ CONTROLLED-SINGLE POLE LIGHT SWITCHES - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX - HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- ⊕ SINGLE POLE SOLA-TUBE SWITCH - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX.
- ⊕ 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.
- ⊕ SWITCH SUBSCRIPTS - a=DEVICE CONTROLLED.
- ⊕ THERMOSTAT - TOP OF BOX MOUNTED @ +48" A.F.F.
- ⊕ JUNCTION BOX - SIZE / LOCATION A.F.F. / TYPE AS NOTED
- ⊕ ELECTRICAL CROSSOVER - J-BOX - ABOVE CEILING - #1- 4"x1", #2- 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 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 CATV OUTLET - OUTLET ONLY - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - (1) 3/4" DIA CONDUIT - STUBBED ABOVE CEILING - DEVICES BY OTHERS
- ▽ INTERCOM/TELEPHONE - OUTLET ONLY - 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT TOP OF BOX @ +48" A.F.F. U.O.N. AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- ⊕ SECURITY/INTRUSION KEY PAD - OUTLET ONLY - 4" SQ. BOX w/ SINGLE DEVICE RING AND COVER, MOUNT TOP OF BOX @ +48" A.F.F., AND ONE 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- ⊕ DOOR CONTACT - PROVIDE (1) EMPTY 1/2" DIA EMT THROUGH DOOR HEADER - STUBBED ABOVE CEILING - DEVICE BY OTHERS
- ⊕ MOTION SENSOR OUTLET - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER AND ONE 3/4" CONDUIT STUBBED ABOVE CEILING
- ⊕ ULTRASONIC OCCUPANCY SENSOR - MOUNTED TO FINISH CEILING
- ⊕ 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
- ▽ MINI HORN BOX - OUTLET ONLY - SINGLE DEVICE RING AND COVER - MOUNTED +80" A.F.F. TO CENTERLINE BUT NO GREATER THAN +96" - DEVICE BY OTHERS
- ⊕ VISUAL FIRE ALARM ALARM - OUTLET ONLY - 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT SO THAT LENS IS BETWEEN 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
- ⊕ EMERGENCY EXIT LIGHT - WHERE THERE ARE TWO OR MORE EXITS, AN EXIT SIGN WITH INTEGRAL EMERGENCY LIGHTING WITH MINIMUM 90-MINUTE BATTERY BACK-UP IS REQUIRED.
- ⊕ EXTERIOR SOFFIT MOUNTED LIGHTING PER MODEL ABOVE WITH EMERGENCY 90 MIN. MINIMUM BATTERY BACK-UP, PROVIDE (1) BY THE STAIR LANDINGS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120719 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 MARKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF, ANY BUILDING, MODULAR OR OTHER STRUCTURE, 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
24' x 40' THRU 48' x 40' (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
STOCKPILE (1) 48'x40' BUILDING

2019 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
MANUFACTURER PROFESSIONAL OF RECORD ON PC

Patrick J. Amador
LICENSED ARCHITECT
No. C12631
Ren. 3-31-23
STATE OF CALIFORNIA

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

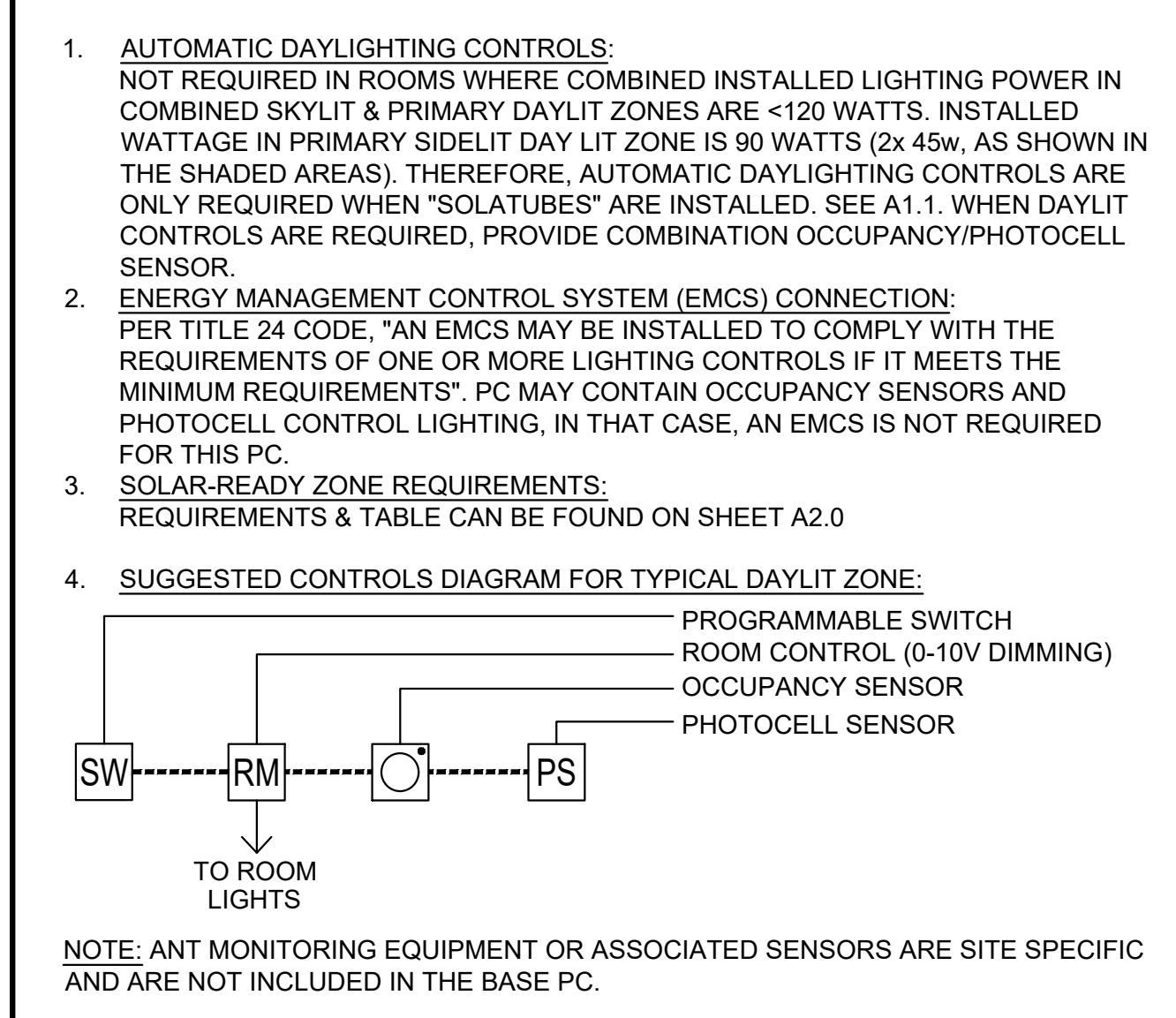
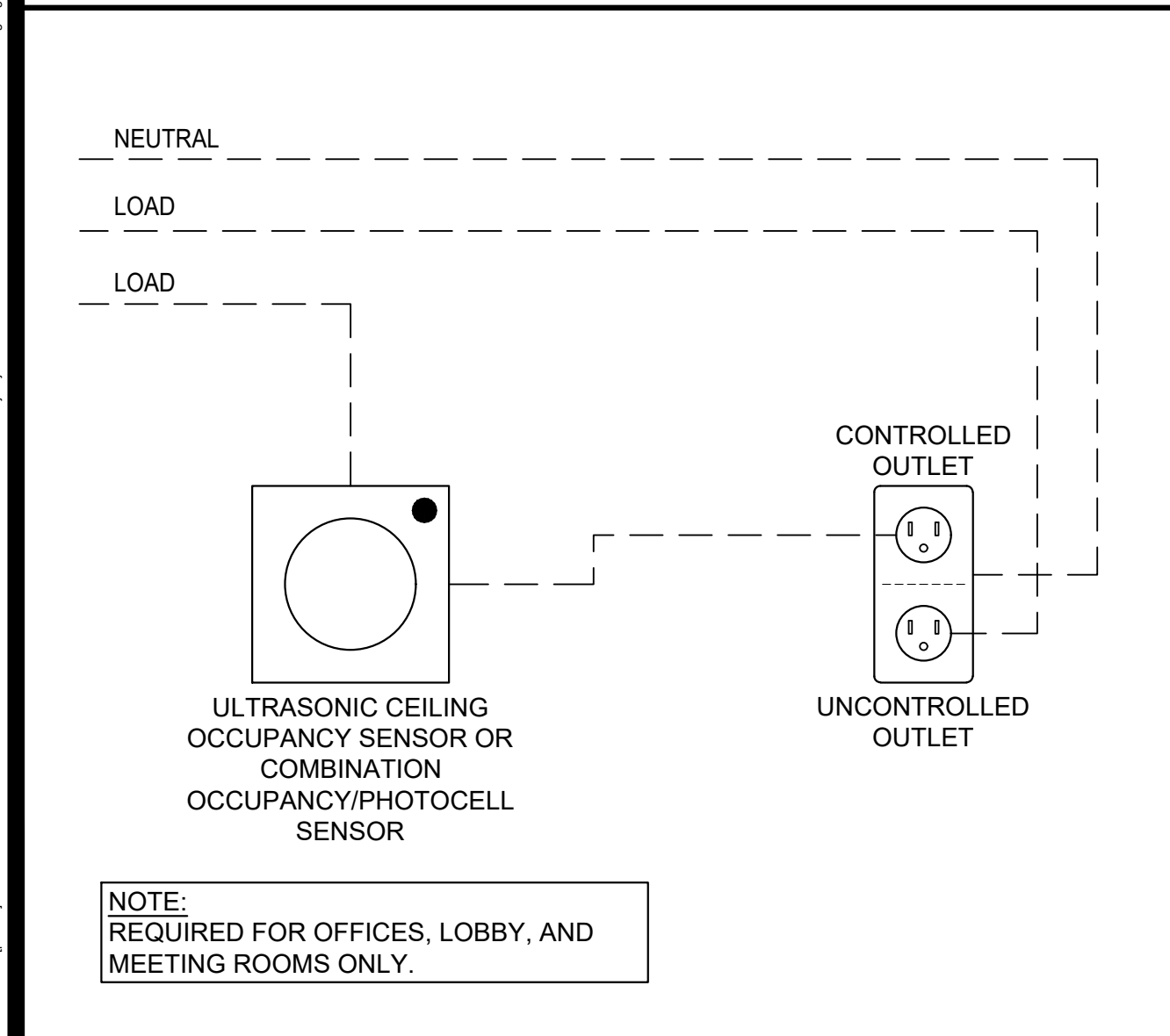
REVISIONS

DRAWN BY: AB
SCALE: AS NOTED
DATE: 10/26/22
PROJECT NO: 1730-22
SHEET TITLE:

TYPICAL ELECTRICAL PLAN

SHEET NUMBER:
E1.0 N

TYPICAL ELECTRICAL PLAN



ENERGY PC NOTES

- THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT & SMOKE DETECTORS, EVACS AND PULL STATIONS, AND COMPLETE FIRE ALARM SYSTEM WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575 & CBC 907.2.3.
- ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THIS BASE PC.
- PULL STATIONS ARE REQUIRED AT EVERY EXIT. AT ANY SPACE REQUIRING 2 OR MORE EXITS, PROVIDE EXIT SIGNS (CBC 1013) AND EMERGENCY EXIT ILLUMINATION (CBC 1008).
- SEE PLANS FOR LOCATIONS OF ALL DEVICES.
- STUB-OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES ARE SHOWN DIAGRAMMATICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.
- STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC SPACE WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT). DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.
- 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.
- FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

GENERAL NOTES

- LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-BAR GRID LAYOUT.
- DEMAND RESPONSE CONTROLS**
- DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F.
 - DEMAND RESPONSE CONTROLS, WHERE REQUIRED, ARE TO BE PROVIDED BY OTHERS.
 - DEMAND RESPONSE CONTROLS AND EQUIPMENT SHALL BE CAPABLE OF RECEIVING AND AUTOMATICALLY RESPONDING TO AT LEAST ONE STANDARD-BASED MESSAGING PROTOCOL WHICH ENABLES DEMAND RESPONSE AFTER RECEIVING A DEMAND SIGNAL.
 - SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE CONTROLS MUST INCLUDE THE SUBMITTAL OF FORM NRCC-ELC-01-E TO DSA (BY OTHERS).

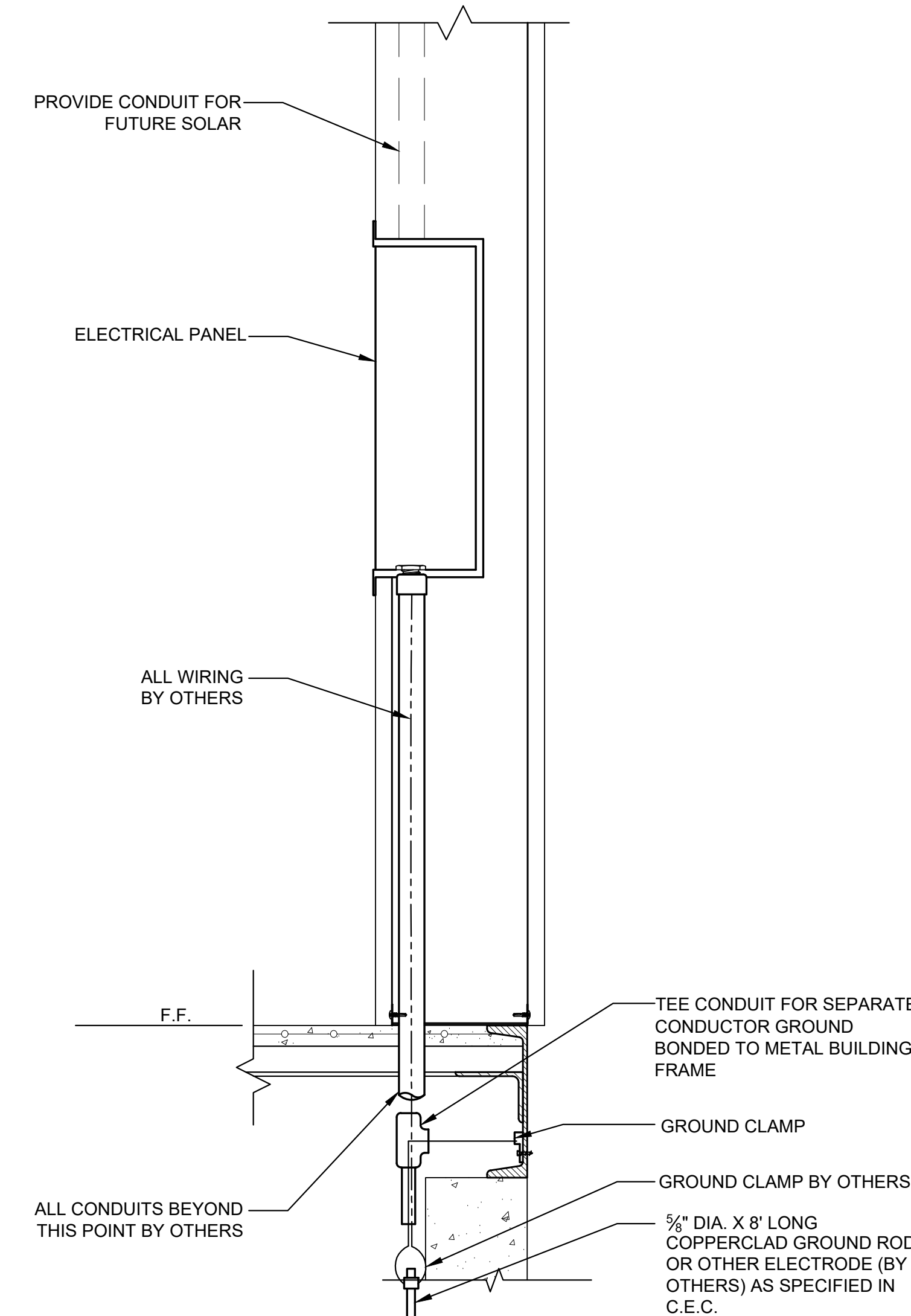
SCALE: 1/4" = 1'-0" 1

STANDARD ELECTRICAL SYMBOLS

TYP. CONTROLLED/UNCONTROLLED RECEPTACLE WIRING DIAGRAM N.T.S. 2

NOT USED

1



1. SIZE OF CONDUCTORS SHALL COMPLY w/CEC.A
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL & METAL BUILDING FRAME (CEC). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL IF AVAILABLE (CEC).
3. ELECTRICAL BOND MODULES TOGETHER W/#8 CU @ MODLINE. BY MANUFACTURER. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (CEC) AS REQUIRED. GROUNDING DETAIL PER DSA IR E-1. INSPECTOR TO WITNESS GROUNDING TEST.

NOT USED

2

ELECTRICAL PANEL CONNECTION DETAIL - UNDERFLOOR OPTION

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

3

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

* PROVIDE CONDUIT OUT OF PANEL FOR FUTURE SOLAR.

LOAD PANEL CALCULATIONS

FIRE ALARM SYSTEM

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, CALIFORNIA FIRE CODE AND THE CALIFORNIA BUILDING CODE.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTINGS FOR EACH COMPONENT OF THE SYSTEM, HAVE BEEN APPROVED BY DSA.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.
4. JUNCTION BOXES - GALVANIZED SHEET METAL, SQUARE OR RECTANGULAR WITH BLANK COVERS. LOCATE ONE BOX AT REAR OF BUILDING NEAR MAIN ELECTRICAL PANEL @ +18" ABOVE FINISH FLOOR FOR FUTURE CONNECTION.
5. COVERS - INSTALL GASKETED, METAL, WATERPROOF, FINISH COVERS AT EXTERIOR LOCATIONS. INSTALL FINISH COVERS AT INTERIOR LOCATIONS.
6. THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATIONS (CBC SEC. 907.2.3) AND THE 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.
8. ALARM-INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 dBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 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 UJFX OR UJJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER. IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET 15db OVER AMBIENT NOISE LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY THE ENFORCING AGENCY.

GENERAL NOTES

1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.
2. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
3. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.
4. ALL PANELS, SWITCHES, DISCONNECTS, BREAKERS, METERS, AND OTHER ELECTRICAL ELEMENTS SHALL BE PLACED ABOVE THE ELEVATION REQUIRED BY ASCE 24-14, SECTION 7.2.

FIXTURE NOTES:

1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
2. 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.
4. ELECTRICAL SERVICE DROP AND CONNECTIONS SUPPLIED BY OTHERS.
5. MANUFACTURER TO PROVIDE STUB-OUT FROM BACK OF ELECTRICAL PANEL THROUGH THE EXTERIOR WALL OR TO BELOW FLOOR FOR RECEIVING EITHER UNDERGROUND OR OVERHEAD SERVICE & FITTING FOR GROUNDING CABLE.
6. ELECTRICAL PANEL BOARD SHALL BE RECESS MOUNTED INSIDE THE BUILDING, SIZED TO ACCOMMODATE ALL CONNECTED LOADS INCLUDING SPACES AS SHOWN. OVERCURRENT PROTECTIVE DEVICES IN THE PANEL BOARDS SHALL HAVE ADEQUATE SHORT CIRCUIT INTERRUPTING CAPACITY. ALL BUSES INCLUDING BUS SHALL BE COPPER OR ALUMINUM.
7. 2X4 FLUORESCENT FIXTURES SHALL HAVE A STEEL FRAME, LENS SHALL BE HINGED AND LOCKED IN PLACE BY TWO LOCKING DEVICES. THE LENS DIFFUSERS SHALL BE KHS, INC. #KSH-2, CAROLITE, INC. #C-12 OR PLASKOLITE, INC. #PL21A. MINIMUM LENS THICKNESS SHALL BE 0.125 INCHES.
8. FLUORESCENT BALLAST SHALL BE ENERGY SAVER WHILE MAINTAINING FULL LIGHT OUTPUT, CLASS "P" EQUIPPED WITH THERMAL PROTECTORS, GUARANTEED AGAINST FAILURE FOR (2) YEARS AND BE REPLACEABLE FROM INSIDE THE FIXTURE.
9. CLOCK - 12" DIAL CLOCK ON CLOCK OUTLET.
 - A. CLOCK SHALL BE GENERAL ELECTRIC MODEL 2912 129V 60 CYCLE
 - B. CLOCK OUTLET SHALL BE BRYANT #2828 OR EQUAL WITH SEPARABLE HANGING CLIP & APFD RECEPT. THE H.V.A.C. UNIT FEEDER CIRCUIT - PANEL CIRCUIT BREAKER, FEEDER WIRE, UNIT DISCONNECT AND FUSES (WHERE USED) - IS TO BE COORDINATED WITH THE NAME PLATE DATA AT THE TIME OF MANUFACTURE. H.V.A.C. UNITS HAVING KVA RATINGS LARGER THAN THAT INDICATED ON THIS PANEL SCHEDULE WILL NOT BE ALLOWED TO BE INSTALLED ON THIS BUILDING.
 - C. IF 60 DEGREES WIRE IS TO BE USED IN THIS INSTALLATION, CALCULATIONS DEMONSTRATING AMPACITY SHALL BE PROVIDED ON THE DRAWING.

GENERAL NOTES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122783 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/19/2023

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120719 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 MARKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MARKING OF, ANY BUILDING, MODULAR OR OTHER STRUCTURE. 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
24' x 40' THRU 48' x 40'
(HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
**STOCKPILE
(1) 48'x40' BUILDING**

2019 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
MANUFACTURER PROFESSIONAL OF RECORD ON PC

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

REVISIONS

DRAWN BY: AB
SCALE: AS NOTED
DATE: 10/26/22
PROJECT NO: 1730-22
SHEET TITLE:
ELECTRICAL NOTES & DETAILS

SHEET NUMBER:
E1.2 N

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022



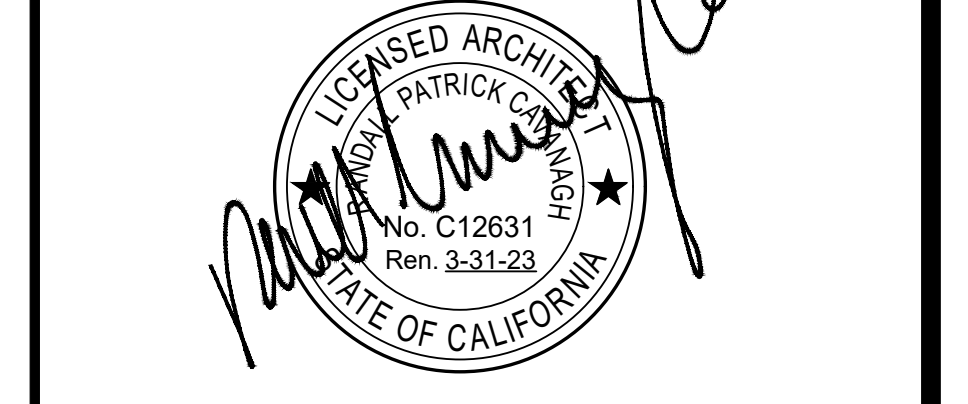
INTELLECTUAL PROPERTY & PROPRIETARY RIGHTS STATEMENT
 COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
 AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWINGS, SPECIFICATIONS 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 MARKING OF ANY BUILDING, 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 CONSIDERED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
24' x 40' THRU 48' x 40' (HIGH SEISMIC)



SITE SPECIFIC PROJECT NAME
**STOCKPILE
 (1) 48'x40' BUILDING**

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
 MANUFACTURER PROFESSIONAL OF RECORD ON PC



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

REVISIONS	

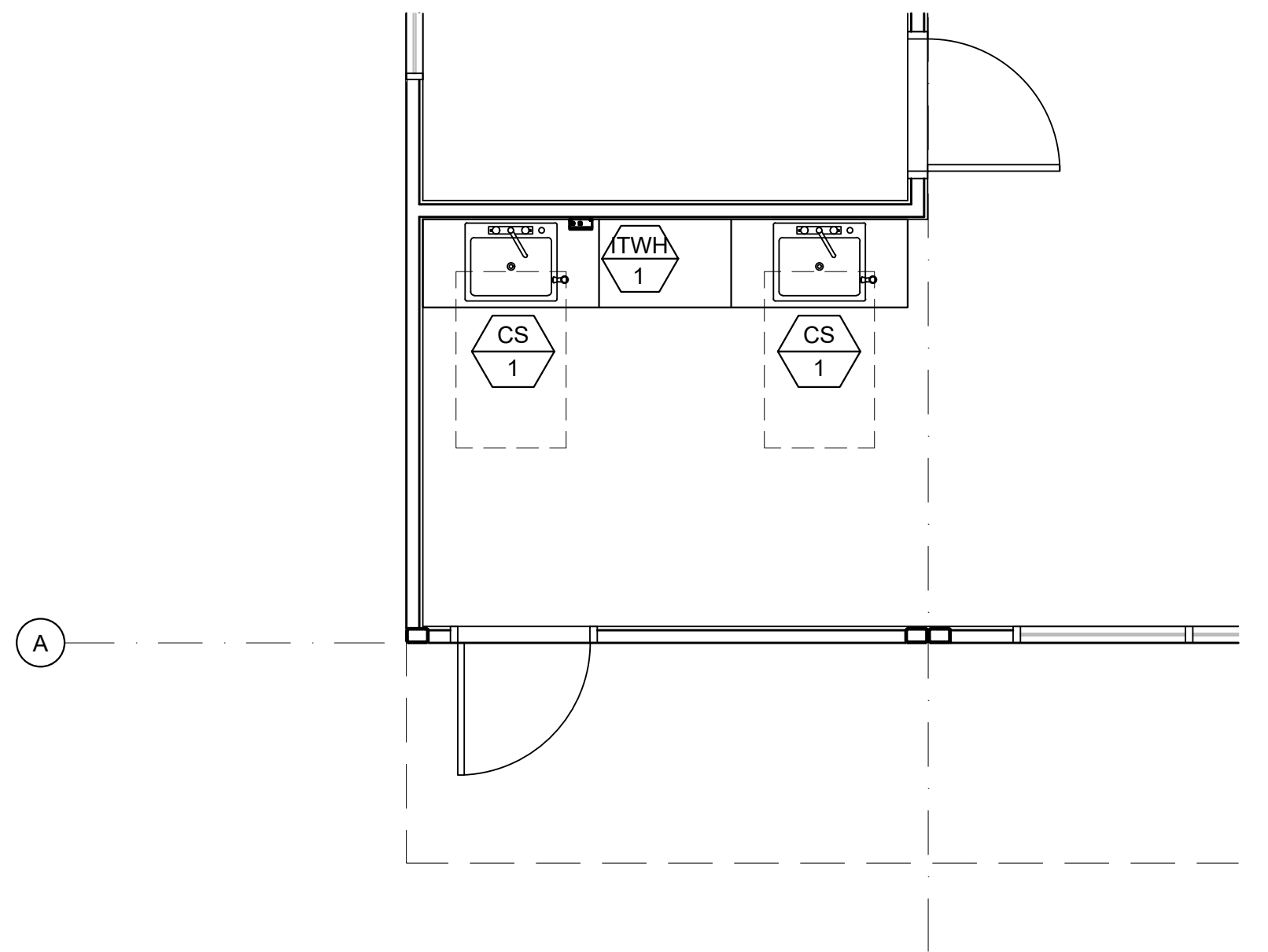
DRAWN BY: AB
 SCALE: AS NOTED
 DATE: 10/26/22
 PROJECT NO: 1730-22
 SHEET TITLE:

**RESTROOM OPTIONS
 PLUMBING PLANS
 & FIXTURE SCHEDULE**

SHEET NUMBER:
P1.0

MARK	FIXTURE ¹	TYPE AT KINDERGARTEN (AGES 3-4)	TYPE AT ELEMENTARY (AGES 5-8)	TYPE AT MIDDLE SCHOOL (AGES 9-12)	TYPE AT HIGH SCHOOL (AGES 13-ADULT)	REMARKS
WC 1 ADA		CANNOT USE	WALL MOUNT TYPE KOHLER 'KINGSTON' MODEL K-4325 OR EQUAL. LOWEST AT 12" A.F.F. - FLOW RATE OF 1.28 G.P.F.	WALL MOUNT TYPE KOHLER 'KINGSTON' MODEL K-4325 OR EQUAL. LOWEST AT 15" A.F.F. - FLOW RATE OF 1.28 G.P.F.	WALL MOUNT TYPE KOHLER 'KINGSTON' MODEL K-4325 OR EQUAL. LOWEST AT 17" A.F.F. - FLOW RATE OF 1.28 G.P.F.	FLUSH VALVE - ZURN MODEL Z6000AV-HET - 1.28 G.P.F. OR EQUAL. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0.
WC 2		FLOOR MOUNT TANK TYPE AMERICAN STANDARD #3128.001 FOR BOWL #4019.228 LEFT TANK #4019.828 RIGHT TANK	FLOOR MOUNT TANK TYPE AMERICAN STANDARD #3128.001 FOR BOWL #4019.228 LEFT TANK #4019.828 RIGHT TANK	FLOOR MOUNT TANK TYPE KOHLER 'WELLWORTH' MODEL K-3999 OR EQUAL	FLOOR MOUNT TANK TYPE KOHLER 'WELLWORTH' MODEL K-3999 OR EQUAL	WC/2 FIXTURE MAX FLOW RATE OF 1.28 G.P.F. - LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0
WC 3 OPTIONAL ADA		FLOOR MOUNT FLUSH VALVE TYPE KOHLER 'PRIMARY' MODEL K-96054 OR EQUAL. FLOW RATE OF 1.28 G.P.F.	FLOOR MOUNT FLUSH VALVE TYPE KOHLER 'JUVENILE ULTRA' MODEL K-96059 OR EQUAL. FLOW RATE OF 1.28 G.P.F.	FLOOR MOUNT FLUSH VALVE TYPE KOHLER 'WELLCOMME ULTRA' MODEL K-96053 OR EQUAL. FLOW RATE OF 1.28 G.P.F.	FLOOR MOUNT FLUSH VALVE TYPE KOHLER 'HIGHCLIFF ULTRA' MODEL K-96057 OR EQUAL. FLOW RATE OF 1.28 G.P.F.	FLUSH VALVE - ZURN MODEL Z6000AV-HET - 1.28 G.P.F. OR EQUAL. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0.
L 1		KOHLER 'KINGSTON' MODEL K-2007-0				BOY/GIRL RESTROOM - ZURN 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 REMAIN OPEN FOR 10 SECONDS MIN.
L 2		KOHLER 'KINGSTON' MODEL K-2005-0				ADULT RESTROOM - ZURN MODEL Z7440-XL-FC HOT/COLD WATER - 4" ON CENTER HOLE. MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0 - FLOW RATE OF 0.5 G.P.M.
UR 1		WALL MOUNT TYPE KOHLER MODEL DEXTER K-5452-ET-0 OR EQUAL. FLOW RATE = 0.125 gpf				FLUSH VALVE - ZURN MODEL Z6003-ULF (0.125gpf) OR EQUAL. MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0
M 1		WALL MOUNT TYPE BOBBICK MODEL B165 18X30 OR EQUAL				MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE MIRROR PER SCHEDULE 10/P2.0
GB 1		36" WALL MOUNT TYPE CREATIVE SPECIALTIES - INTERNATIONAL MODEL 8736 & 8748 (1 1/4" CONCEALED SCREW)				18 GA. 304 STAINLESS STEEL SATIN FINISH MOUNT AS SPECIFIED IN FLOOR PLANS AND PER SCHEDULE 10/P2.0. (STRUCTURAL STRENGTH OF GRAB BARS 250# MIN.)
GB 2		48" GRAB BARS				
WH 1		RHEEM 20 GALLON ELECTRIC WATER HEATER MODEL PRO20-1-RH-POU 240 VOLT SINGLE PHASE				AVAILABLE IN 6-, 10-, 20 AND 30 GALLON MODELS (MAX WATER HEATER WEIGHT) PER 6/M1.4 OR 1/P.20
ITWH 1		CHROMOMITE INSTANT-TEMP WATER HEATER MODEL M20L/240 INSTANT SINGLE PHASE 104"				CHROMOMITE MODEL M20L/208 OR EQUAL SEE DETAIL 7/P2.0
FS 1		FLORESTONE FLOOR SINK MOLDED MOP RECEPTORS MODEL MSR-2424 W/ 3" DRAIN OR EQUAL				ZURN 843-MH-RC OR EQUAL
ULS 1		WALL MOUNT TYPE FLORESTONE FM OR EQUAL				CAIFLIN CBK110CP OR EQUAL
FD 1		WOOD FLOOR DRAIN SIOUX CHIEF MODEL MODEL 822-2DNRV OR EQUAL				LOCATE AS SPECIFIED ON FLOOR PLANS.
FD 2		CONCRETE FLOOR DRAIN ZURN MODEL P415-CC W/ STANDARD GRATE ZURN 33160-002 OR EQUAL				LOCATE AS SPECIFIED ON FLOOR PLANS. (FLOOR DRAIN TO BE USED ON CONCRETE ONLY.)
CS 1		ROC MODEL 25103 25X22 SINGLE BOWL SINK OR EQUAL				FAUCET - ZURN MODEL Z2871-B4-XL W/W RIST BLADES. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0
DF 1		ELKAY MODEL EDFP217C WALL MOUNT WATER FOUNTAIN OR EQUAL				
HB 1		STANDARD HOSE BIBB ARROWHEAD MODEL 553LKLIF OR EQUAL				LOCATE AS SPECIFIED ON FLOOR PLANS.

NOTES:
 1. ALL WATER FIXTURES MUST MEET REQUIREMENTS OF CAL-GREEN TITLE 24, PART 11, SECTION 5.303.3 "WATER CONSERVING PLUMBING FIXTURES & FITTINGS".
 2. FOR OPTIONAL ACCESSIBLE FLOOR-MOUNT WATER CLOSET, SEE PLUMBING SCHEDULE MARK WC/3 (NOT SHOWN ON PLAN).
 3. NOT ALL ITEMS LISTED MAY OCCUR IN THIS PROJECT.

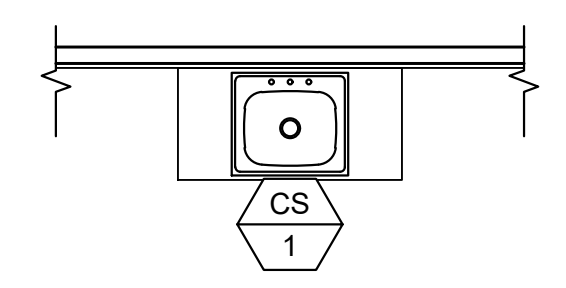


PLUMBING PLAN SCALE: 1/4" = 1'-0" 1

PLUMBING FIXTURE SCHEDULE

= PLUMBING FIXTURE I.D. - SEE SCHEDULE ABOVE

SYMBOLS LEGEND



NOT USED 6 NOT USED

7 CLASSROOM SINK PLAN SCALE: 1/4" = 1'-0"

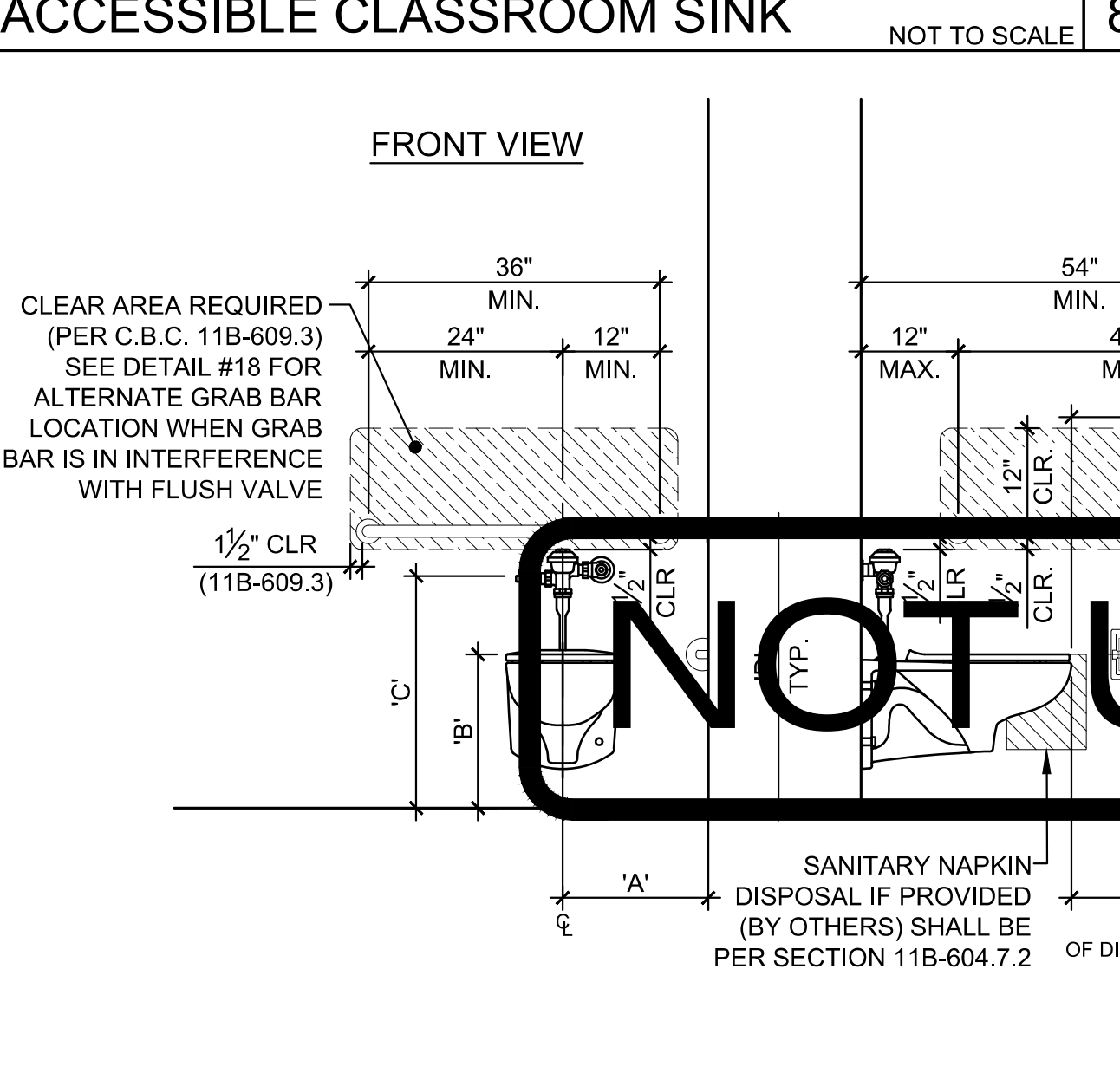
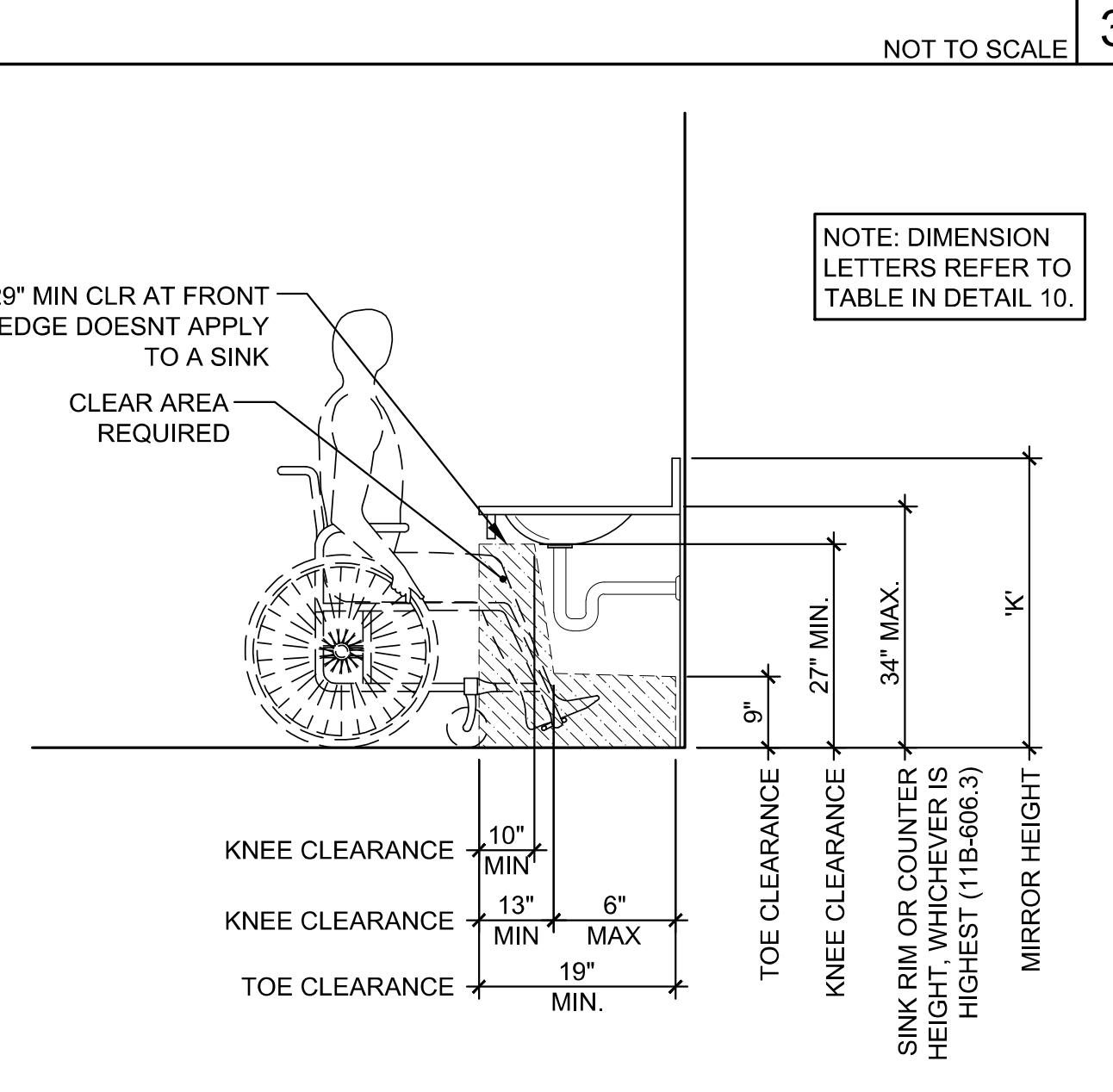
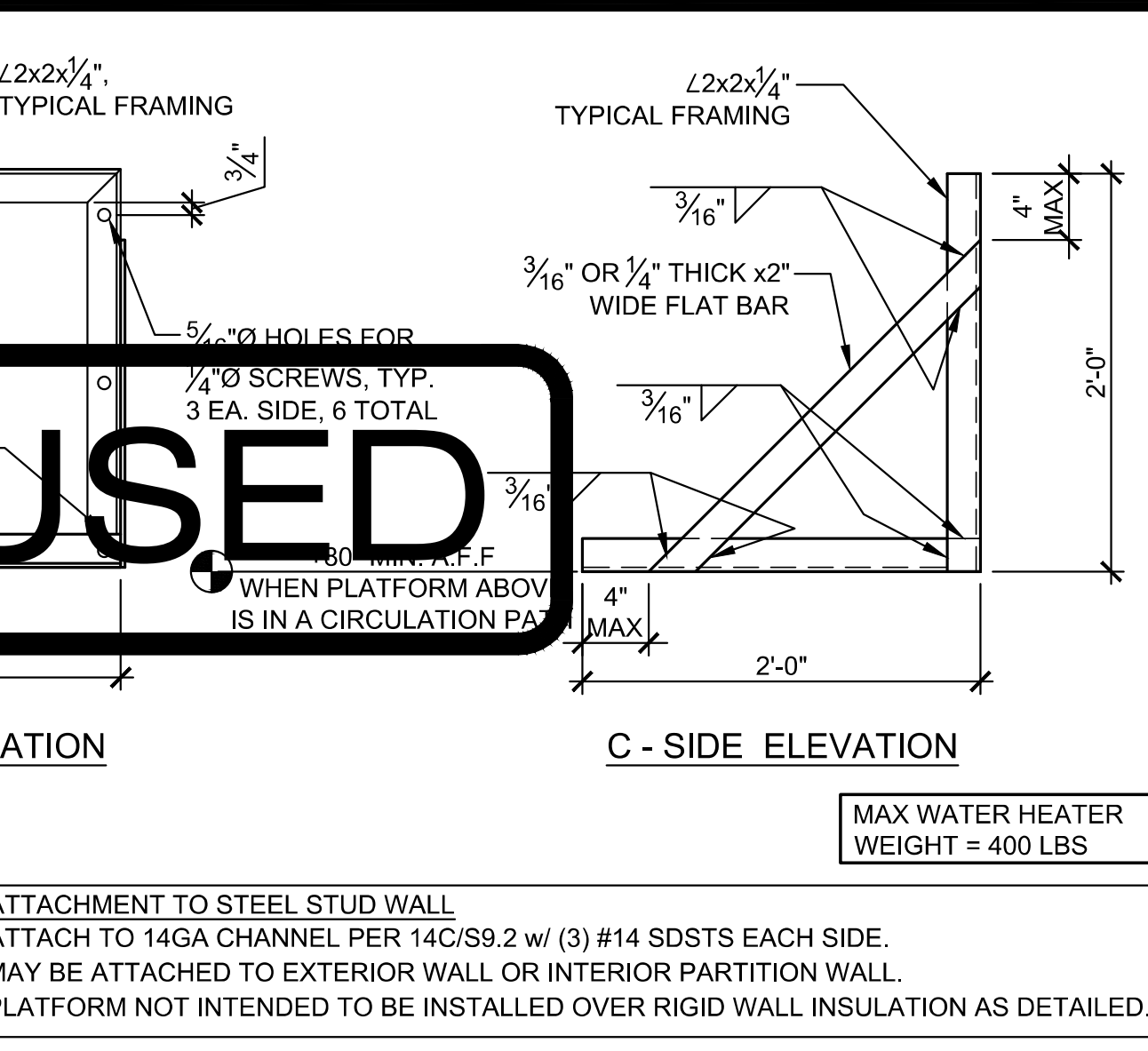
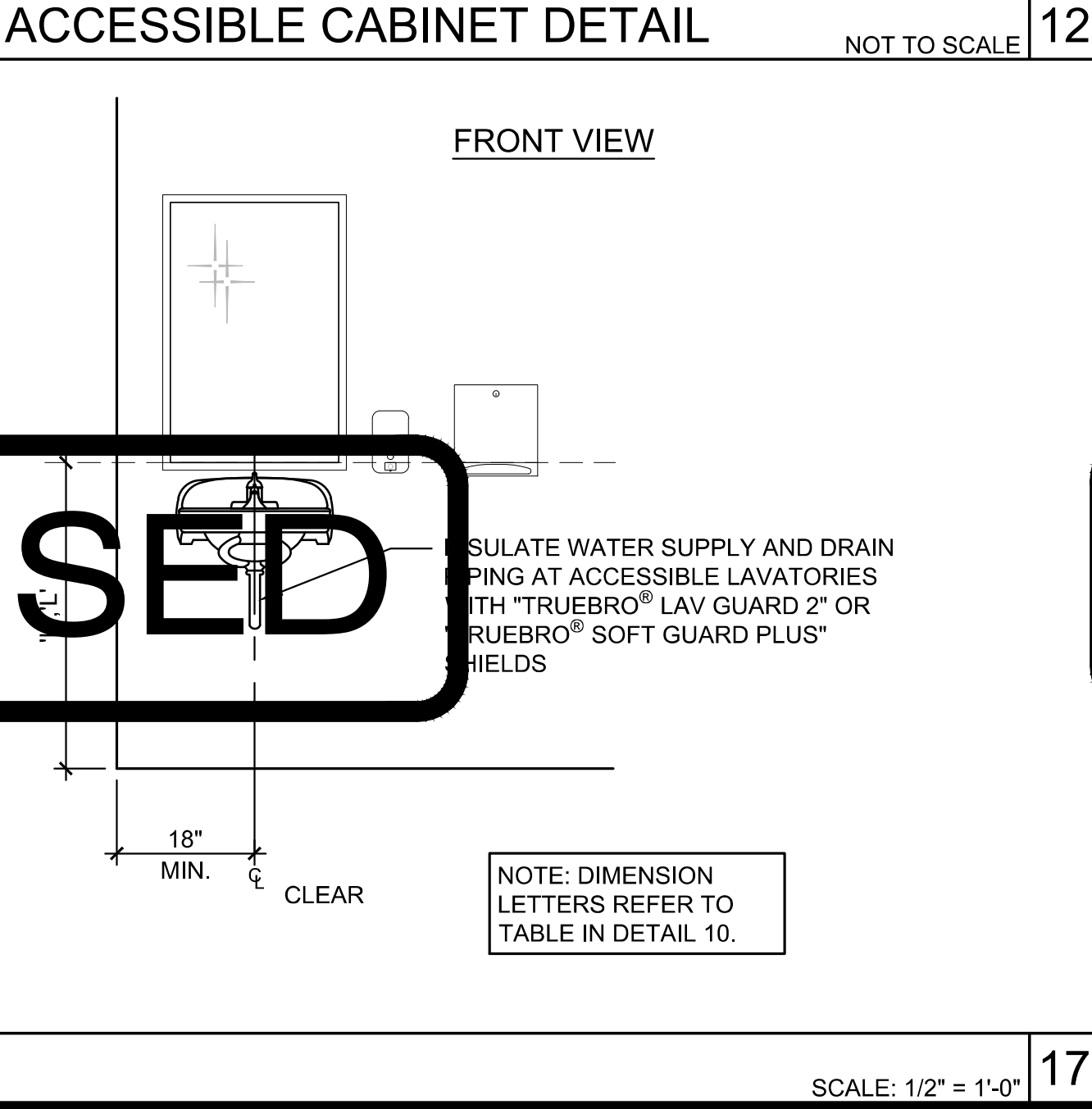
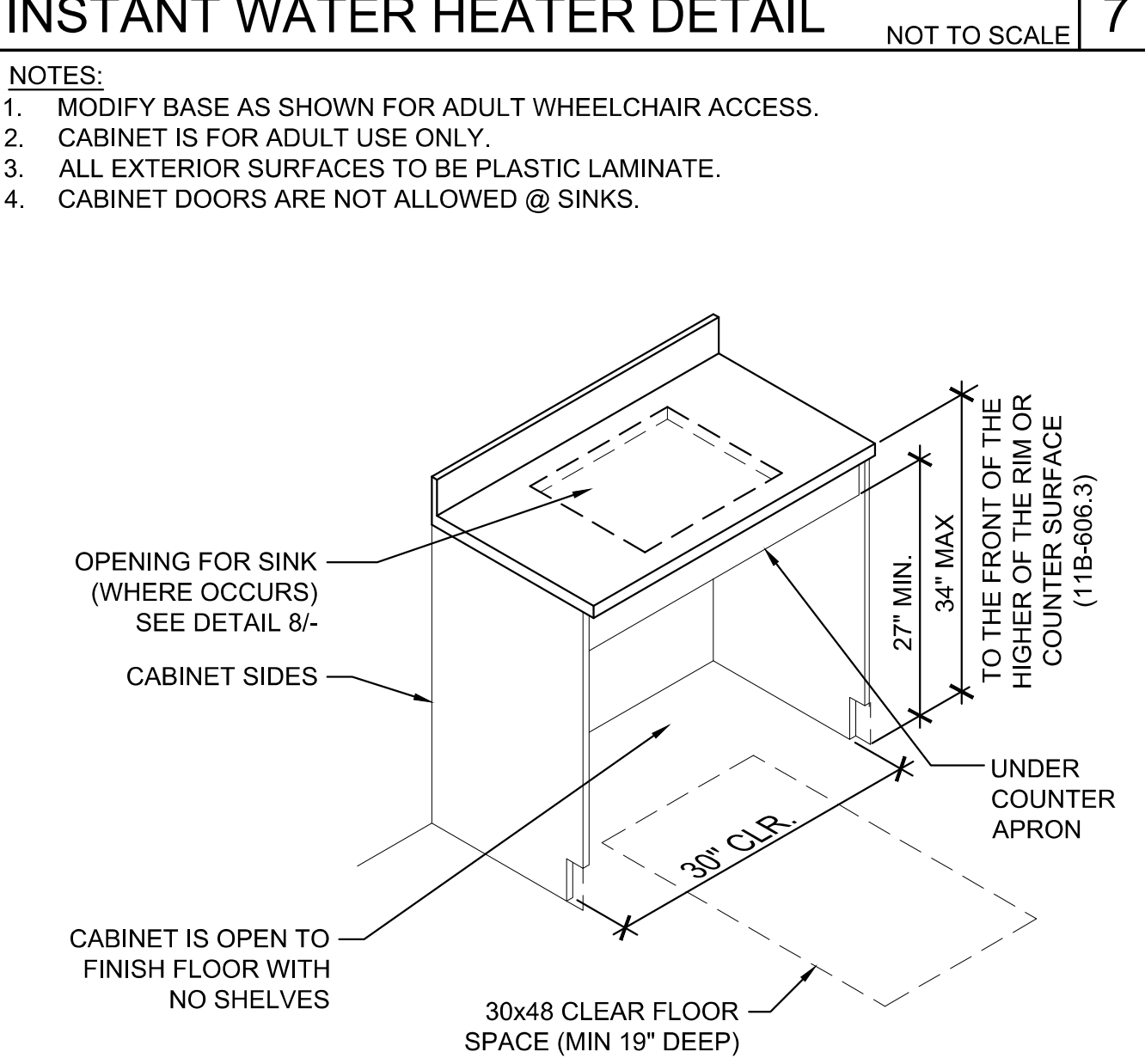
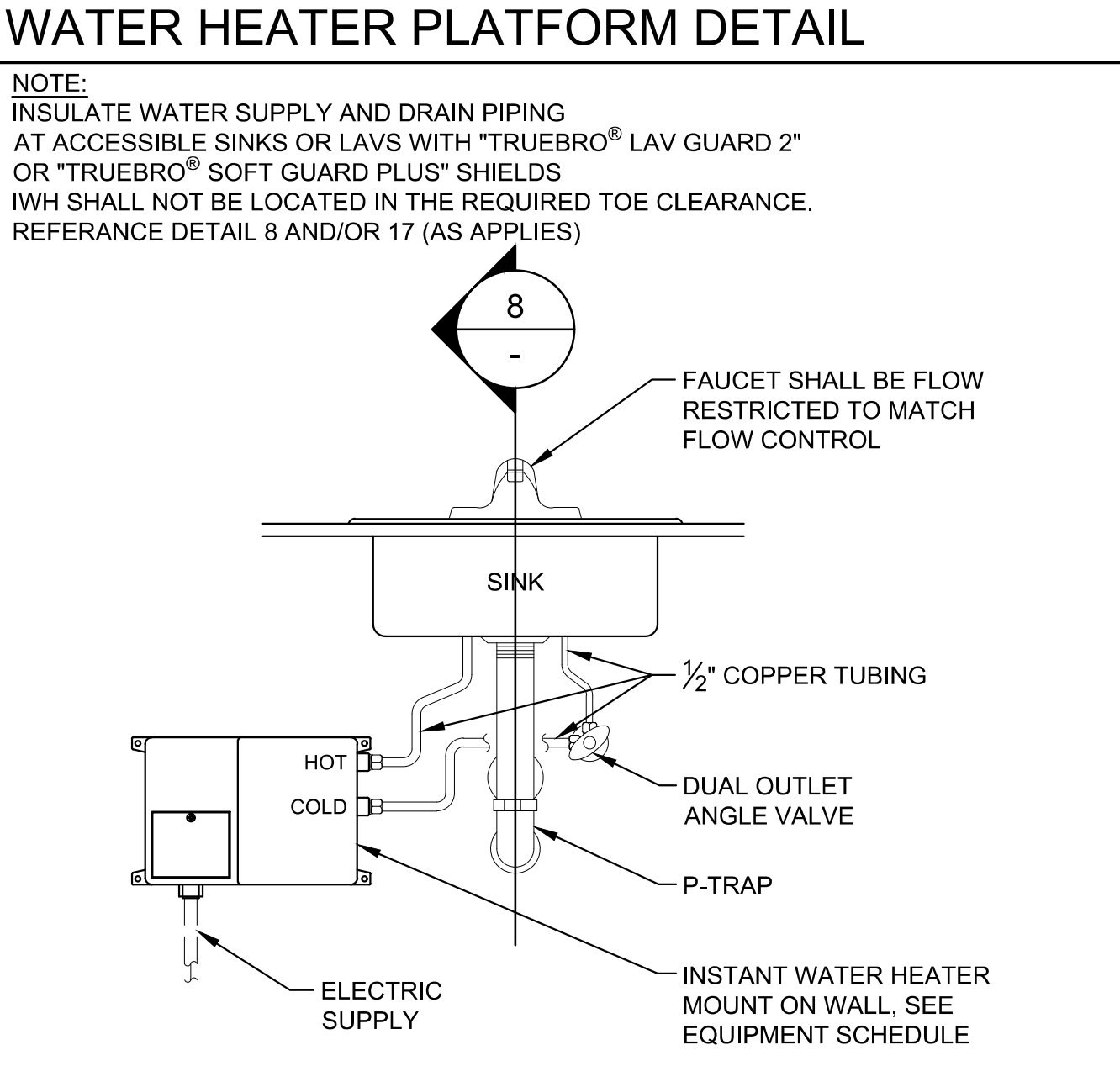
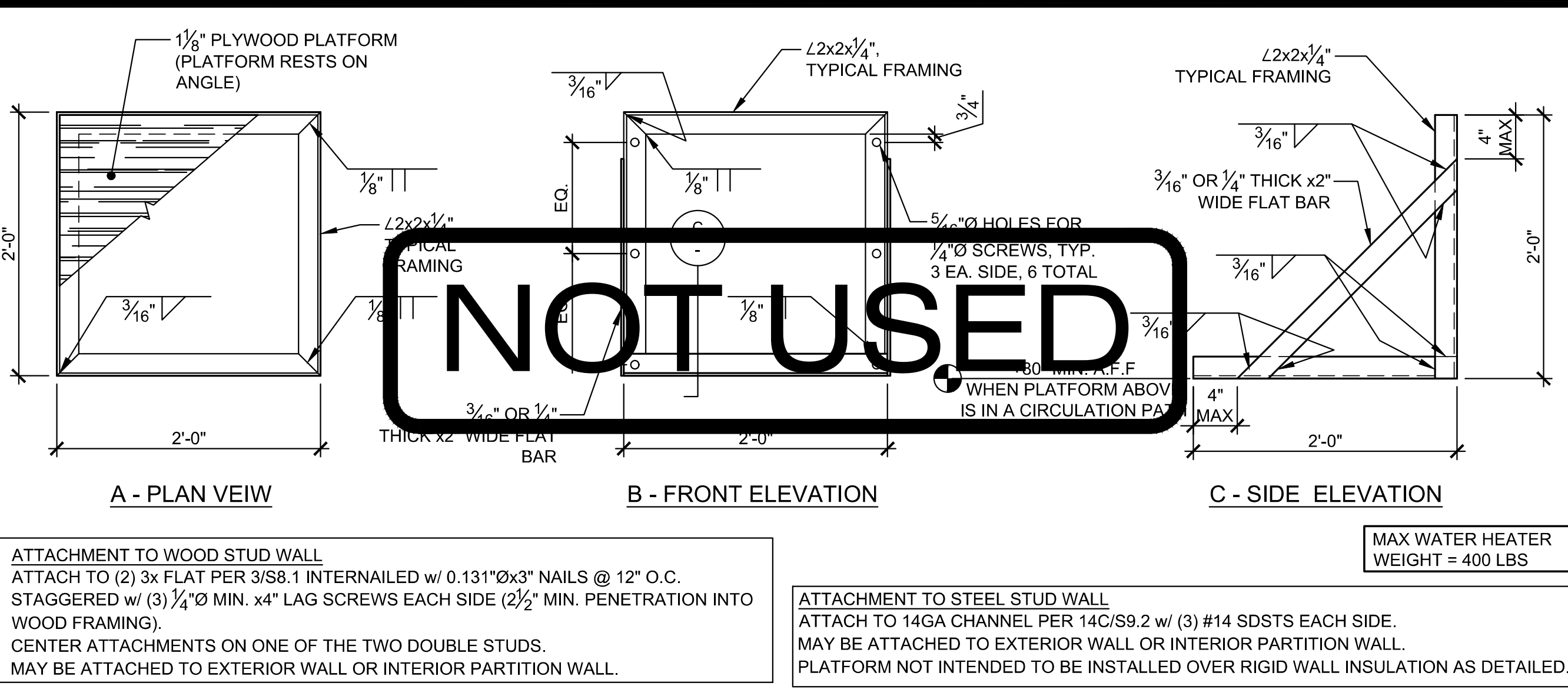
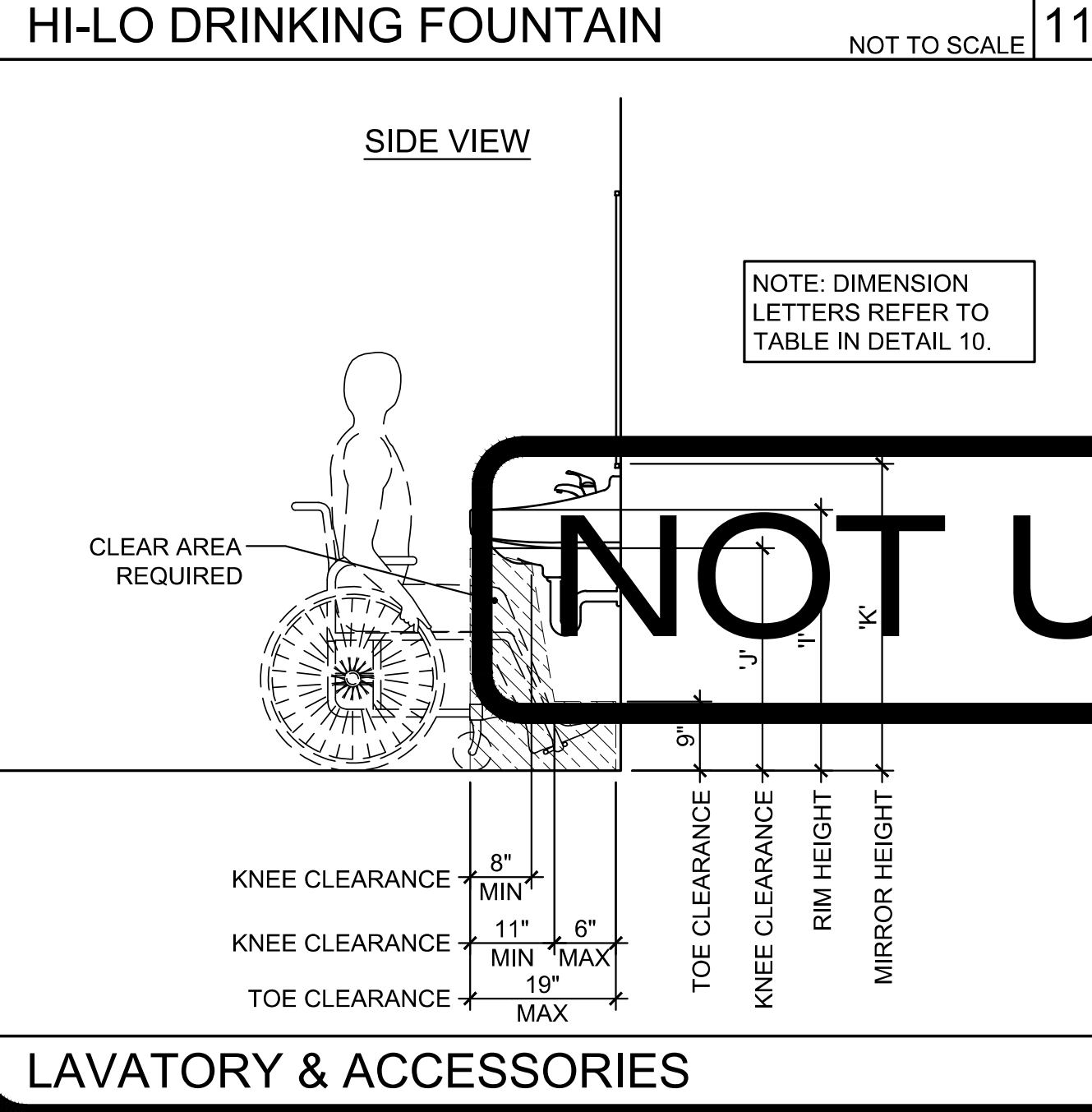
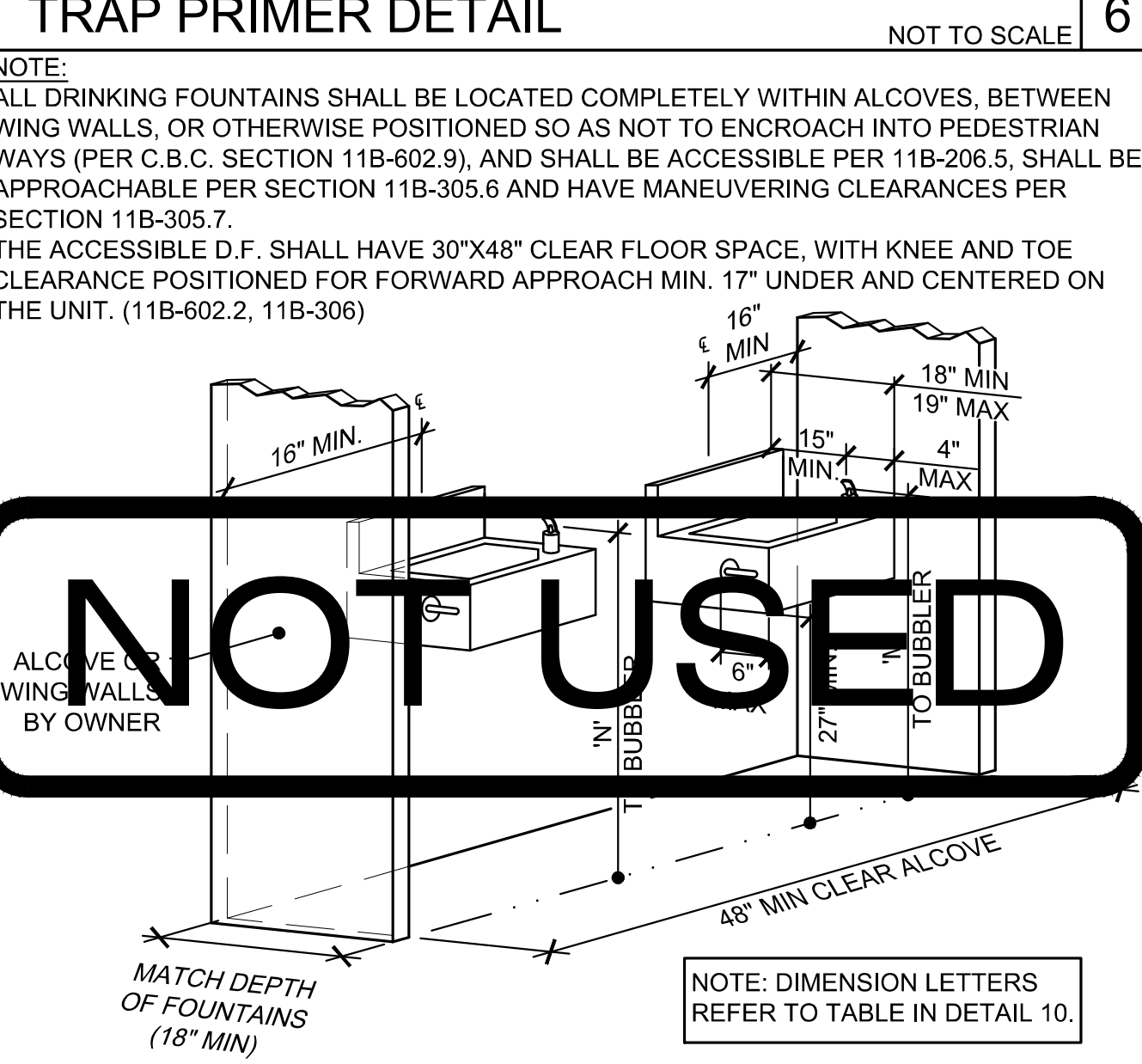
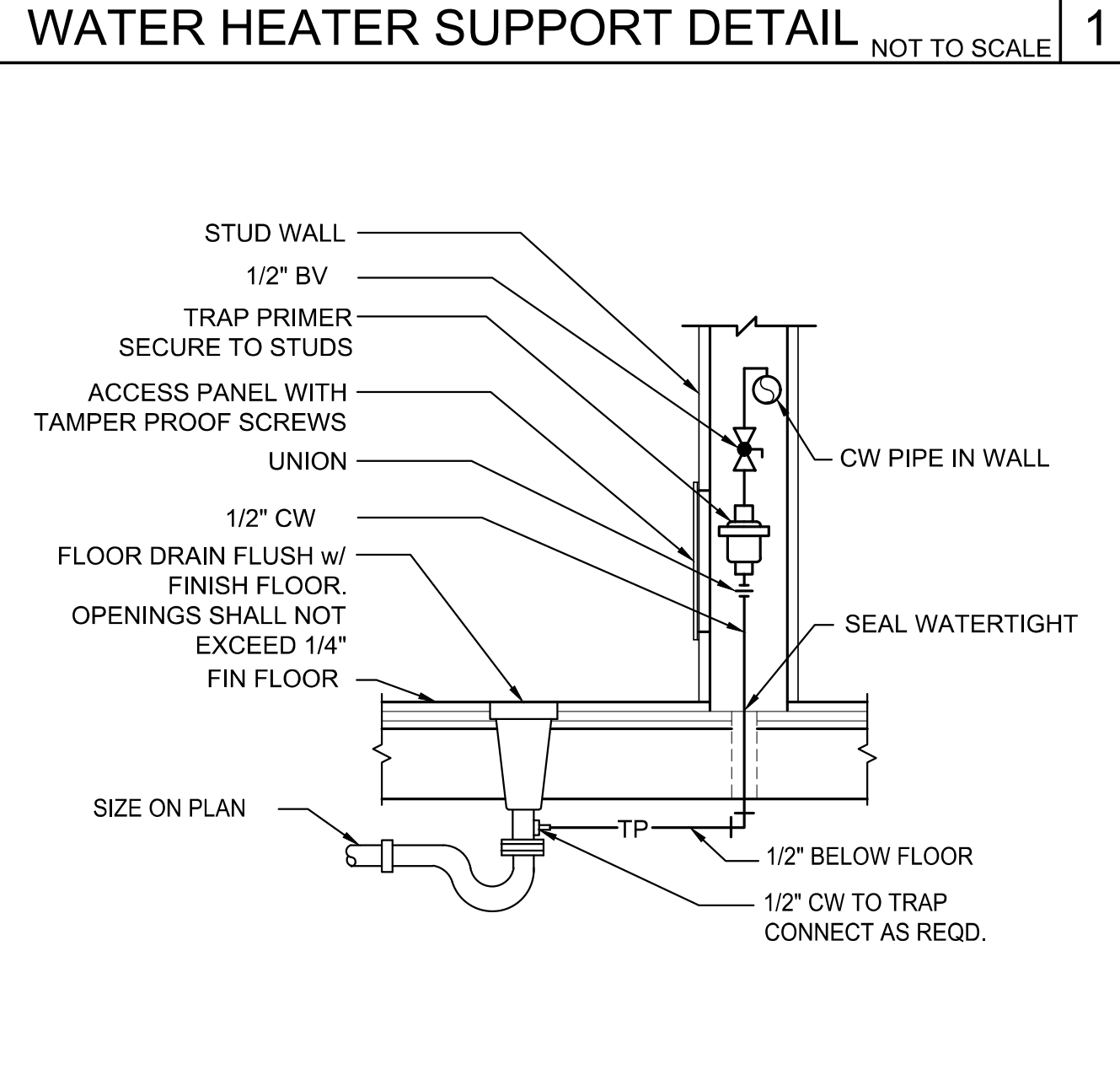
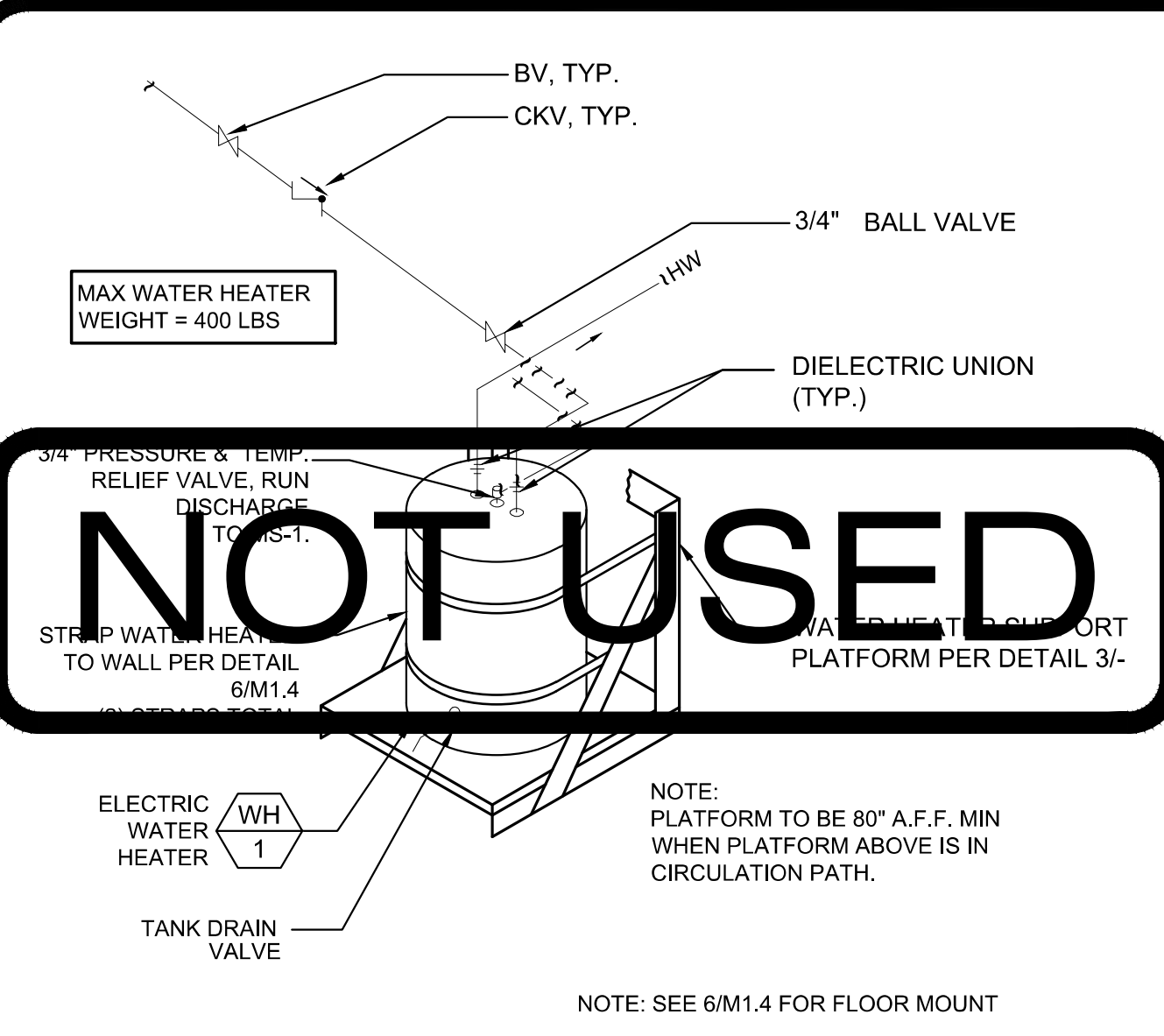
8 NOT USED

9 GENERAL NOTES

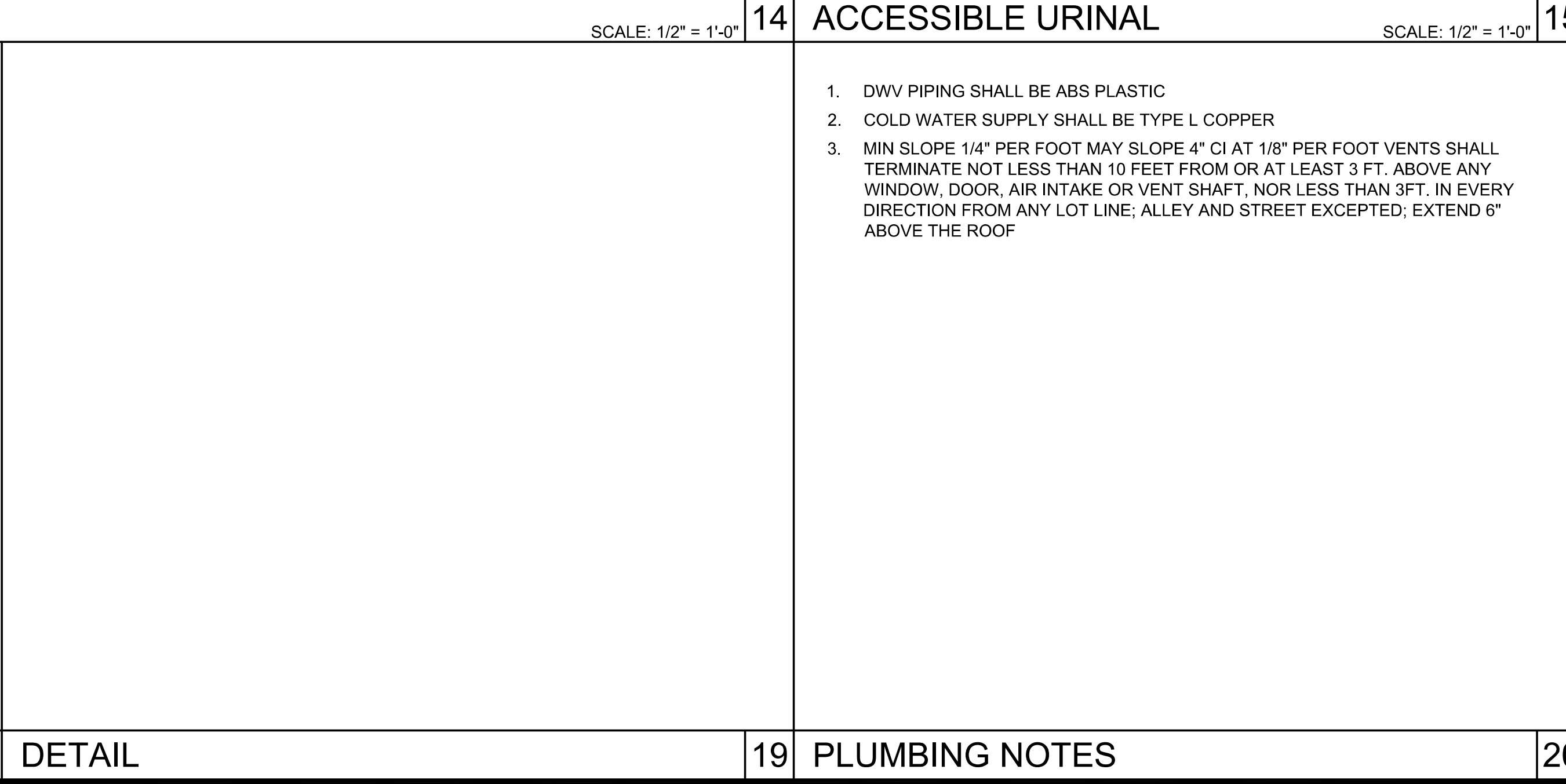
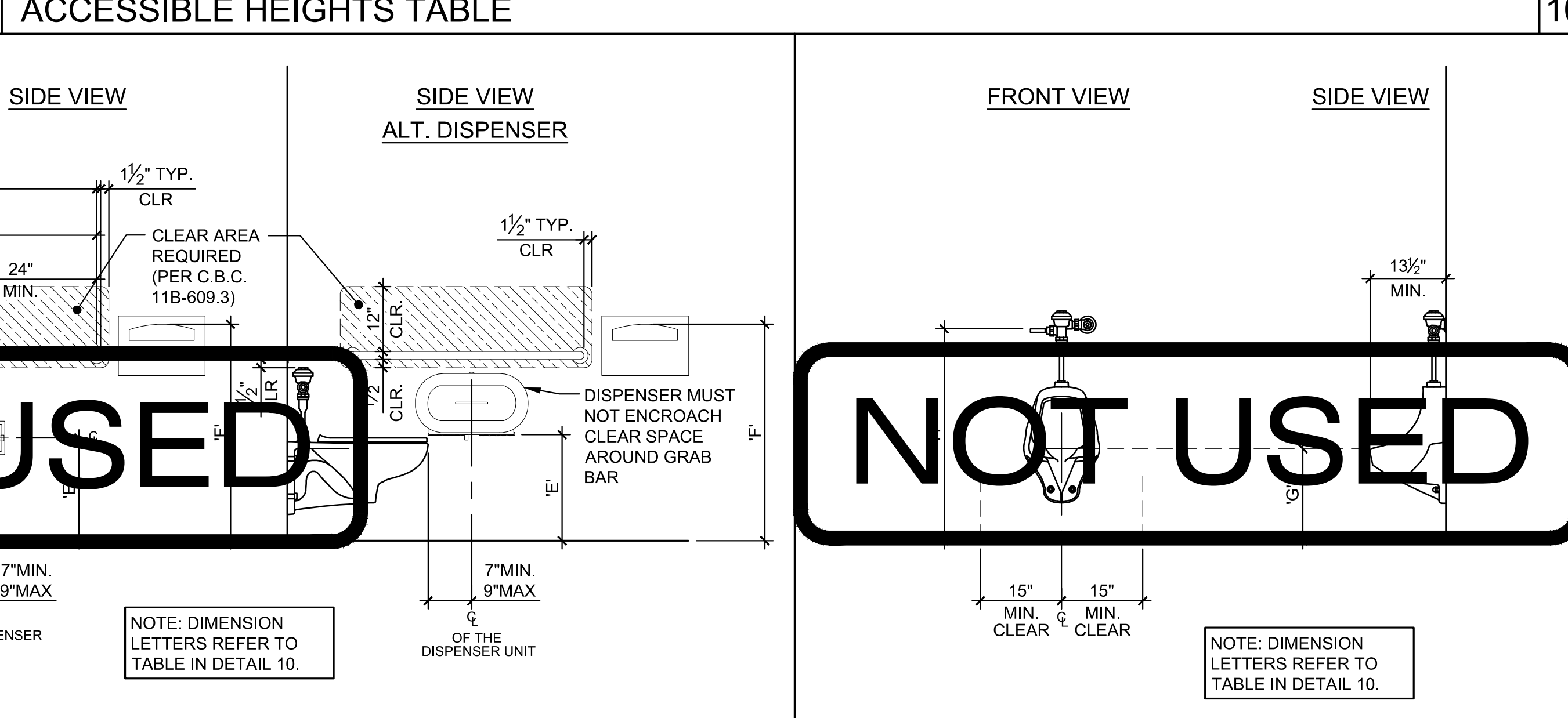
PLUMBING NOTE
 MODULAR MFR. TO STUB THROUGH FLOOR ALL PLUMBING LINES. BUILDING PERIMETER POC'S SHOWN ARE FOR COORDINATION PURPOSES ONLY. ALL UNDER-FLOOR CONNECTIONS ARE BY SITE CONTRACTOR, U.O.N.

- DIMENSIONS ARE TO FACE OF FINISH (F.O.F.) UNLESS NOTED OTHERWISE (i.e. F.O.C., ϵ)
- RESTROOM CONFIGURATION MAY VARY PER BUILDING CONFIGURATION.
- RESTROOM MODULE OCCURS ONLY AT END OF BUILDING. SINGLE RESTROOMS MAY OCCUR IN ANY PART OF A BUILDING.
- RESTROOM MODULE CANNOT STAND ALONE AND SHALL BE ASSEMBLED TOGETHER WITH AT LEAST ONE OTHER 12'x40' MODULE.
- INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING. REFER TO SHEET S8.1 OR S9.1 FOR ATTACHMENTS.
- REFER TO SCHEDULE 10/P2.0 FOR ACCESSIBLE HEIGHTS AT TOILETS.
- REFER TO DETAILS 1, 3, & 4, SHEET A7.1 FOR TOILET PARTITION ANCHORAGE BLOCKING.
- SEWER AND WATER STUB OUTS SHALL BE LOCATED WITHIN THE ALLOWABLE AREA AS SHOWN ON FLOOR PLAN AND CONNECTIONS SHALL BE EASILY ACCESSIBLE FOR FUTURE RELOCATION. STUB OUT HEIGHT SHALL BE COORDINATED BY THE MANUFACTURER.
- PIPING MATERIAL
 - WATER: COPPER TYPE "L", 95/5 SOLDER.
 - WASTE DRAIN AND VENT: ABS.

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023



FIXTURE & MEASUREMENT POINT	PRIMARY USERS				NOTES
	AGES 3-4	AGES 5-8	AGES 9-12	AGES 13-ADULT	
A TOILET, CENTERLINE FROM FACE OF WALL	12" SUGGESTED	12" TO 15" SUGGESTED	15" TO 18" SUGGESTED	17" MIN. TO 18" MAX.	
B TOILET, TOP OF SEAT HEIGHT	11" TO 12" SUGGESTED	12" TO 15" SUGGESTED	15" TO 17" SUGGESTED	17" MIN. TO 19" MAX.	
C TOILET, TOP OF FLUSH CONTROLS	36" MAX.	36" MAX.	36" MAX.	44" MAX.	FLUSH CONTROLS SHALL BE LOCATED ON OPEN SIDE OF TOILET.
D GRAB BAR, TOP OF BAR	18" TO 20" SUGGESTED	20" TO 25" SUGGESTED	25" TO 27" SUGGESTED	33" MIN. TO 36" MAX.	
E TOILET PAPER DISPENSER, HEIGHT TO OUTLET	14" SUGGESTED	14" TO 17" SUGGESTED	17" TO 19" SUGGESTED	19" MIN.	CENTERLINE OF DISPENSER OUTLET SHALL BE BETWEEN 7" TO 9" IN FRONT OF THE TOILET. OUTLET OF DISPENSER MUST BE BELOW GRAB BAR. DISPENSER (INCLUDING FULL TOILET PAPER ROLL) MUST NOT ENCRoACH INTO REQD GRAB BAR CLEARANCE.
F TOILET SEAT COVER, HEIGHT TO TOP OF OUTLET	24" TO 32" SUGGESTED	30" TO 32" SUGGESTED	32" TO 36" SUGGESTED	40" MAX.	
G URINAL, LIP HEIGHT	12" TO 13" SUGGESTED	13" TO 15" SUGGESTED	15" TO 17" SUGGESTED	17" MAX.	
H URINAL, HEIGHT OF FLUSH HANDLE	36" MAX.	36" MAX.	36" MAX.	44" MAX.	
I LAVATORY, HEIGHT TO HIGHEST POINT AT FRONT OF LAV. OR COUNTER	24" TO 28" SUGGESTED	31" MAX.	31" MAX.	34" MAX.	
J LAVATORY, VERTICAL KNEE CLEARANCE		24" MIN.	24" MIN.	29" MIN TO BOTTOM FRONT EDGE OF LAV; 27" MIN @ 8" DEEP	
K MIRROR (ABOVE LAVATORY OR COUNTERTOP), LOWEST POINT OF REFLECTIVE SURFACE	24" TO 32" SUGGESTED	30" TO 32" SUGGESTED	32" TO 36" SUGGESTED	40" MAX.	MIRROR NOT LOCATED ABOVE LAVATORY OR COUNTERTOP SHALL BE MOUNTED SO THAT LOWEST EDGE OF REFLECTING SURFACE IS 35" MAX. ABOVE FINISH FLOOR.
L DISPENSERS, DRYERS, HEIGHT TO TOP OF OUTLET, HANDLE OR OPERATING MECHANISM (WHICHEVER IS HIGHEST)	24" TO 32" SUGGESTED	30" TO 32" SUGGESTED	32" TO 36" SUGGESTED	40" MAX.	ACCESSORIES SHALL COMPLY WITH 11B-307.2
M LO DRINKING FOUNTAIN, HEIGHT TO BUBBLER	24" TO 30" * SUGGESTED	30" TO 32" * SUGGESTED	32" TO 36" SUGGESTED	36" MAX.	KNEE CLEARANCE 27" H. AT 8" DEEP IS REQD IF HIGHER THAN 30" A.F.F.
N HI DRINKING FOUNTAIN, HEIGHT TO BUBBLER	same as ADULT	same as ADULT	same as ADULT	38" MIN. TO 43" MAX.	



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

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 DRAWINGS, SPECIFICATIONS, 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 BUILDING, MODULAR OR OTHER STRUCTURE, 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 ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF AMS IS STRICTLY PROHIBITED. AMS ASSUMES NO LIABILITY FOR THE MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSIDERED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
 24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
 2GO

SITE SPECIFIC PROJECT NAME

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-19283 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC
 LICENSED ARCHITECT
 PATRICK H. HONG
 No. C12631
 Ren. 3-31-23
 STATE OF CALIFORNIA

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

REVISIONS

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21
 SHEET TITLE: PLUMBING DETAILS & ACCESSIBLE DETAILS

SHEET NUMBER:
 P2.0 N

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122783 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 04/19/2023

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120719 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/3/2022

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

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 DRAWINGS, SPECIFICATIONS 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 BUILDINGS, MODULAR OR OTHERS, 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
 24' x 40' THRU 48' x 40'
 (HIGH SEISMIC)
2GO

SITE SPECIFIC PROJECT NAME
 .
 .
 .

~~IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119285 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2021~~

2019 CBC PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
 PATRICK C. HONG
 No. C12631
 Ren. 3-31-23
 STATE OF CALIFORNIA

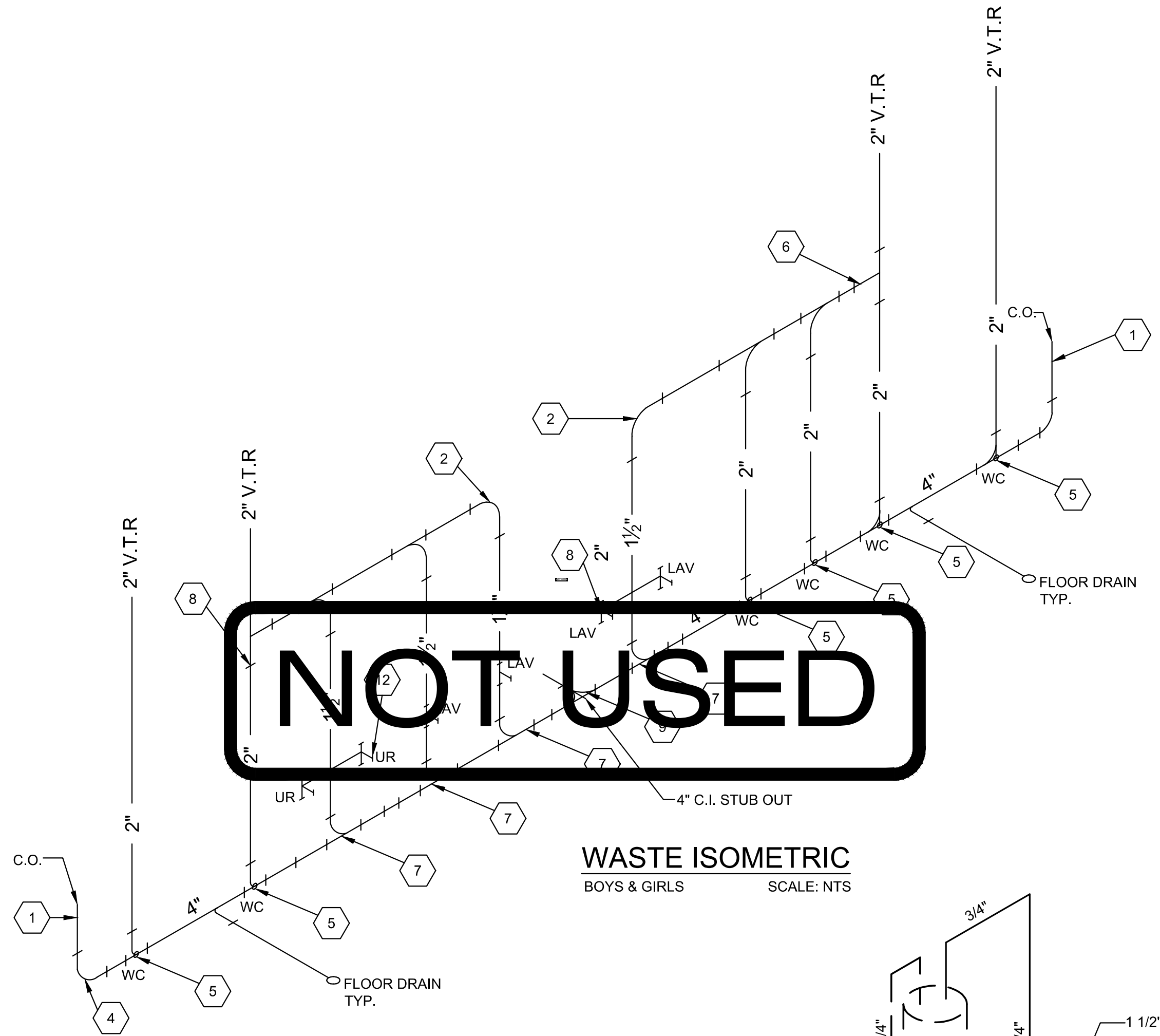
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

REVISIONS

DRAWN BY: ADS/AH
 SCALE: AS NOTED
 DATE: 03/11/21
 PROJECT NO: XXXX-21
 SHEET TITLE:

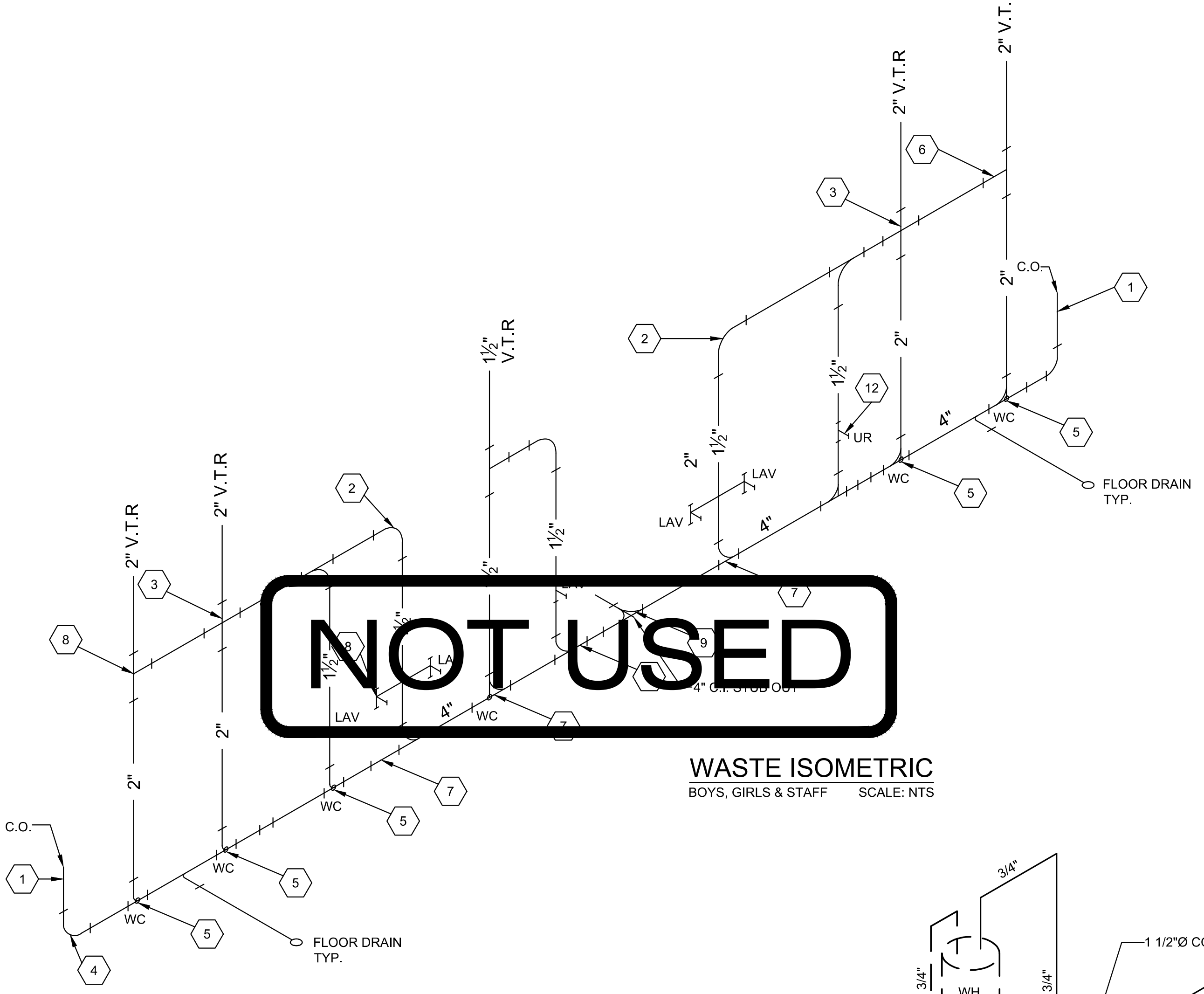
PLUMBING ISOMETRICS DRAWINGS

SHEET NUMBER:
P3.0 N



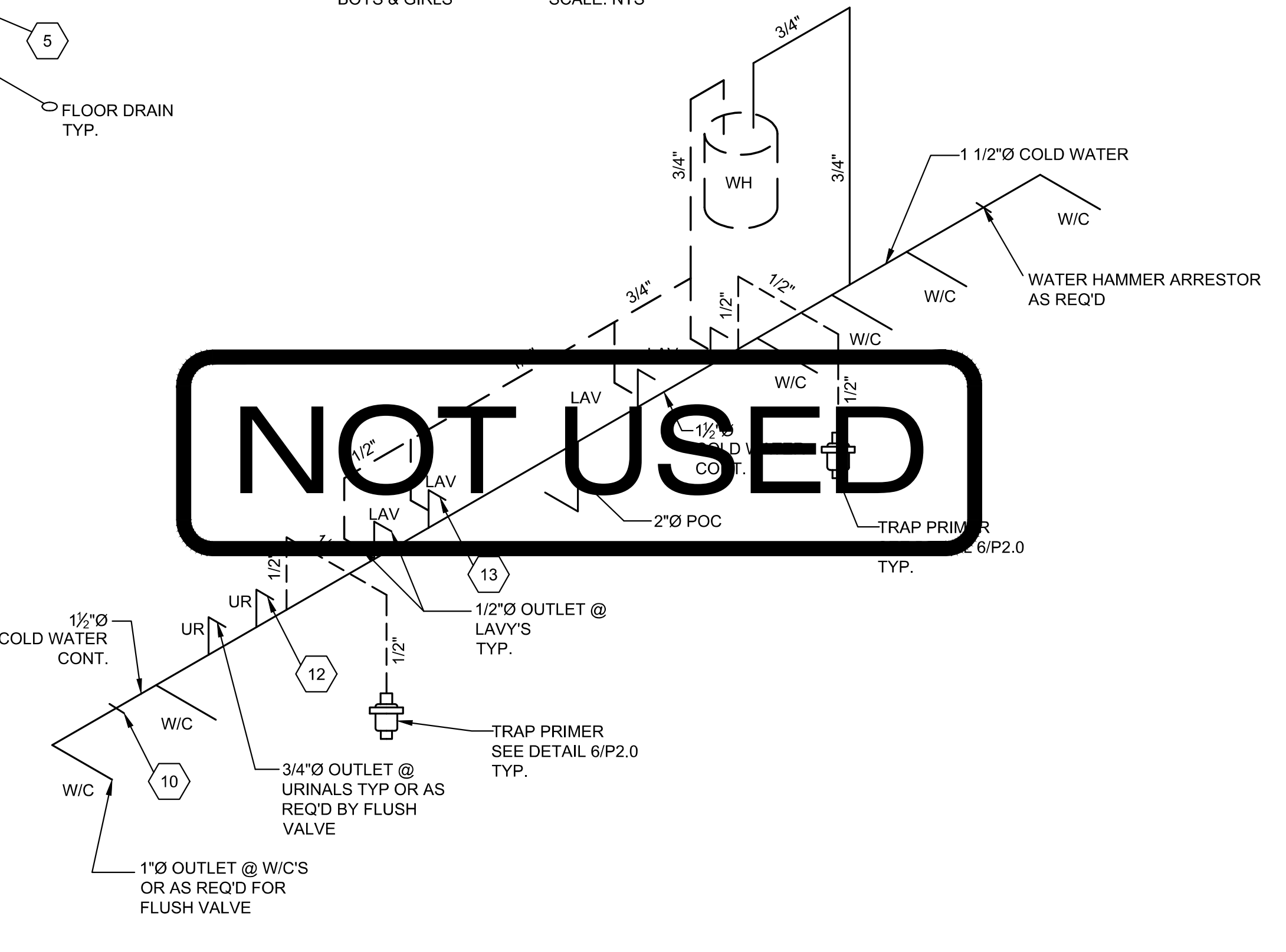
NOT USED

WASTE ISOMETRIC
 BOYS & GIRLS
 SCALE: NTS



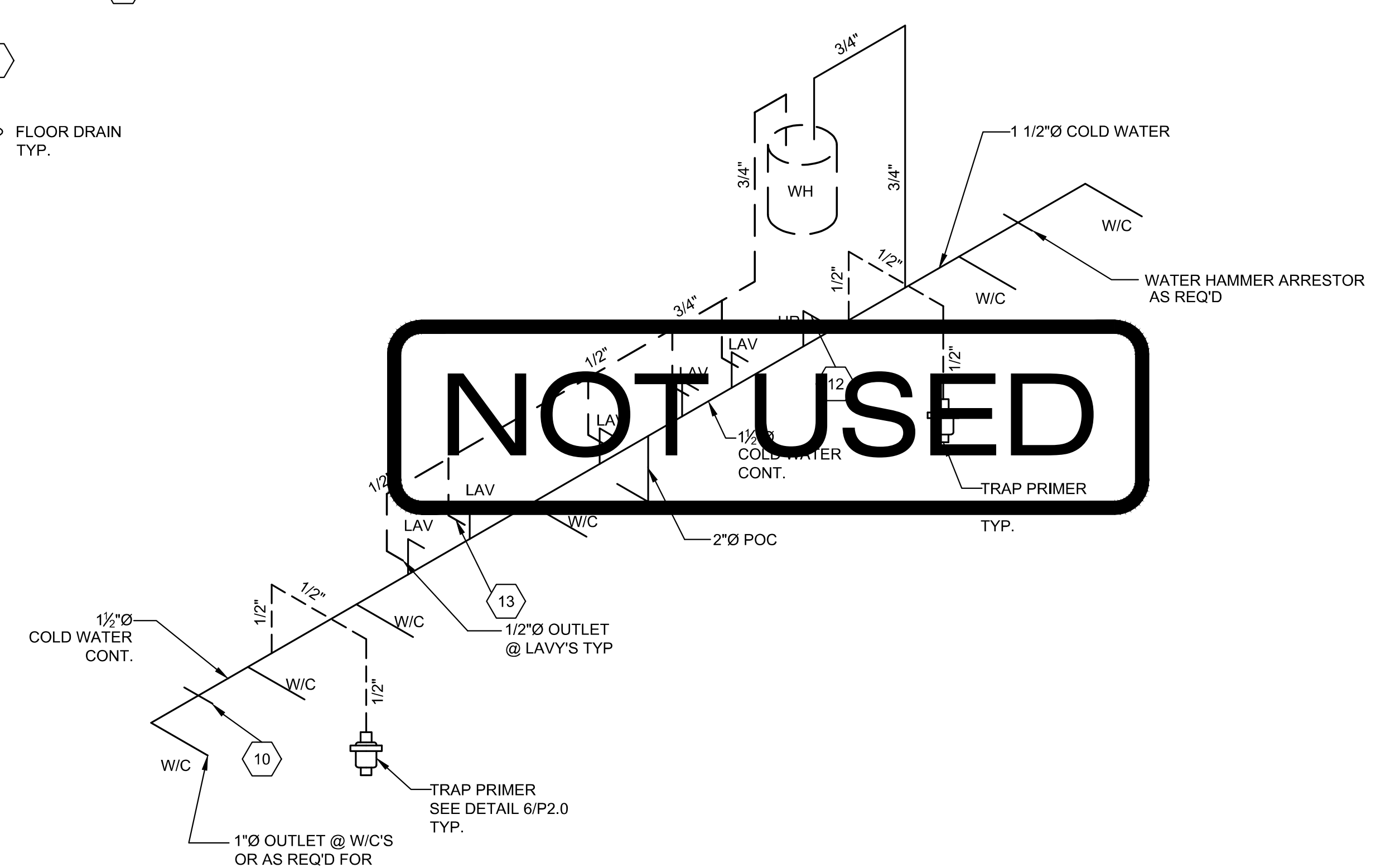
NOT USED

WASTE ISOMETRIC
 BOYS, GIRLS & STAFF
 SCALE: NTS



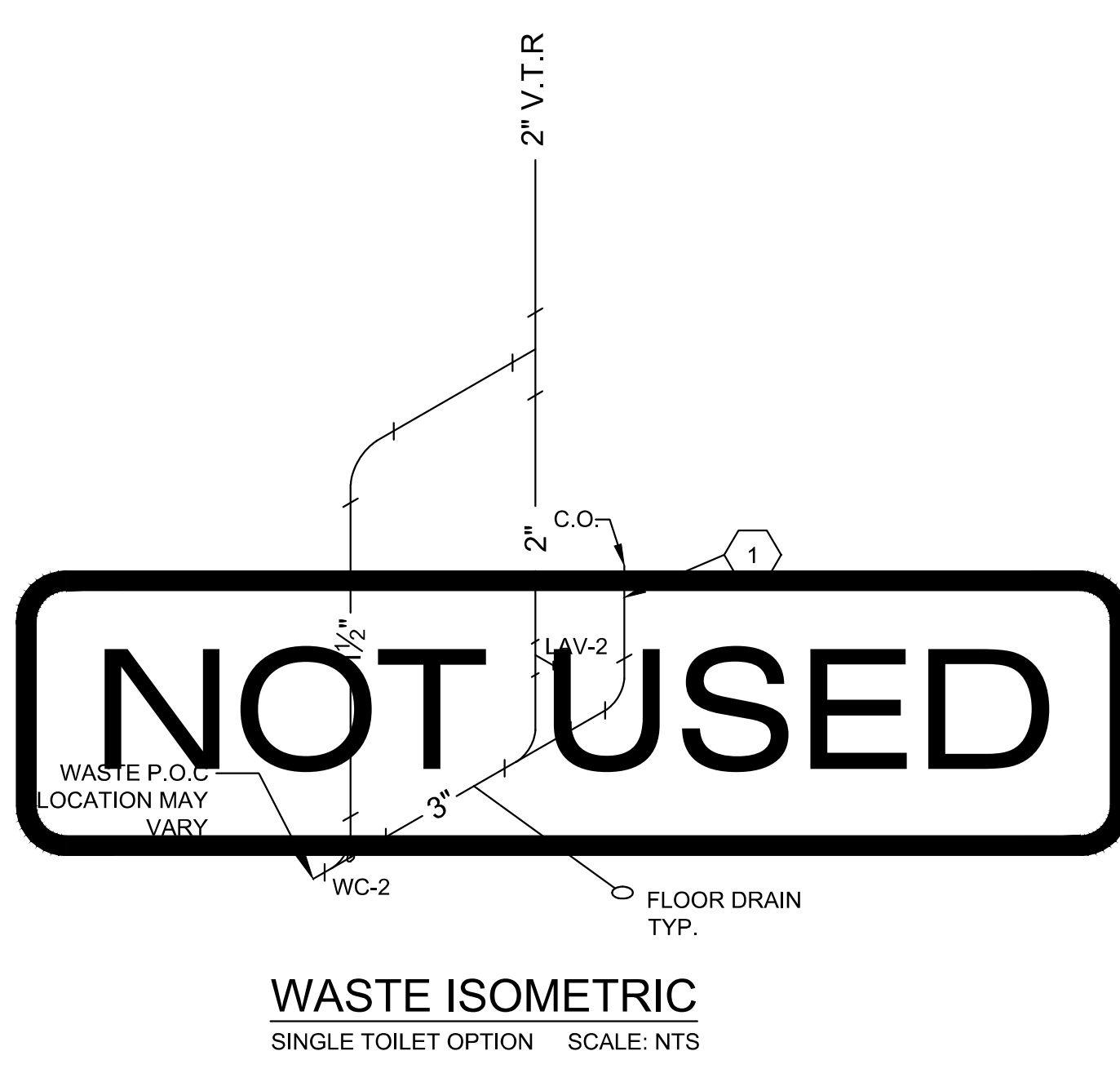
NOT USED

WATER SUPPLY ISOMETRIC
 BOYS & GIRLS
 SCALE: NTS



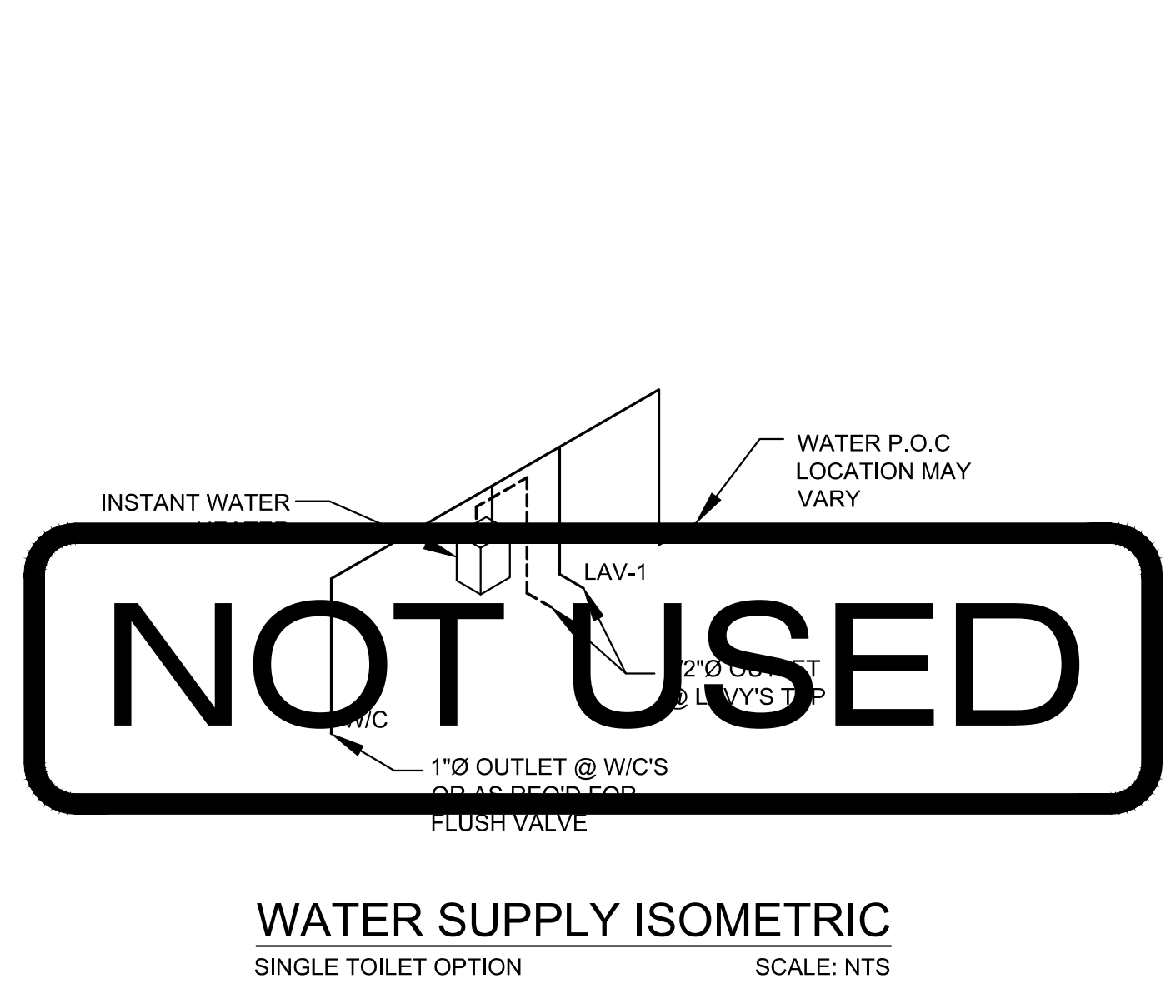
NOT USED

WATER SUPPLY ISOMETRIC
 BOYS, GIRLS & STAFF
 SCALE: NTS



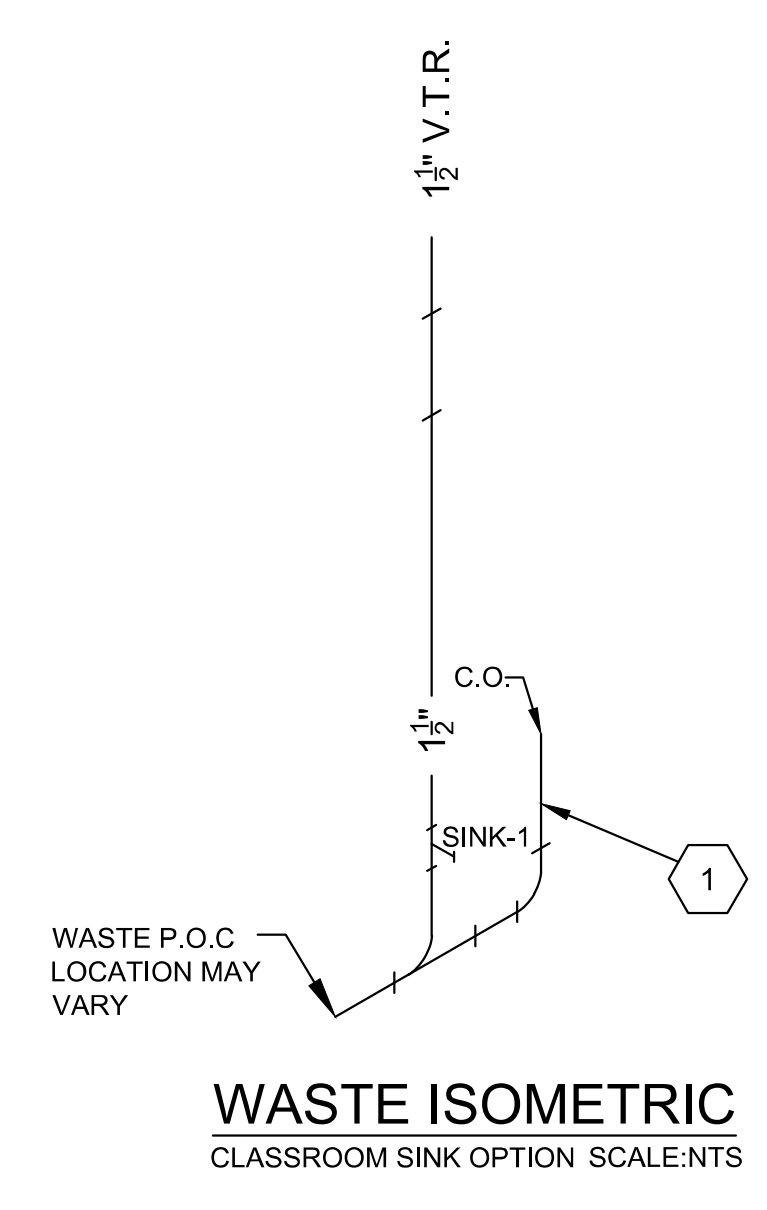
NOT USED

WASTE ISOMETRIC
 SINGLE TOILET OPTION
 SCALE: NTS

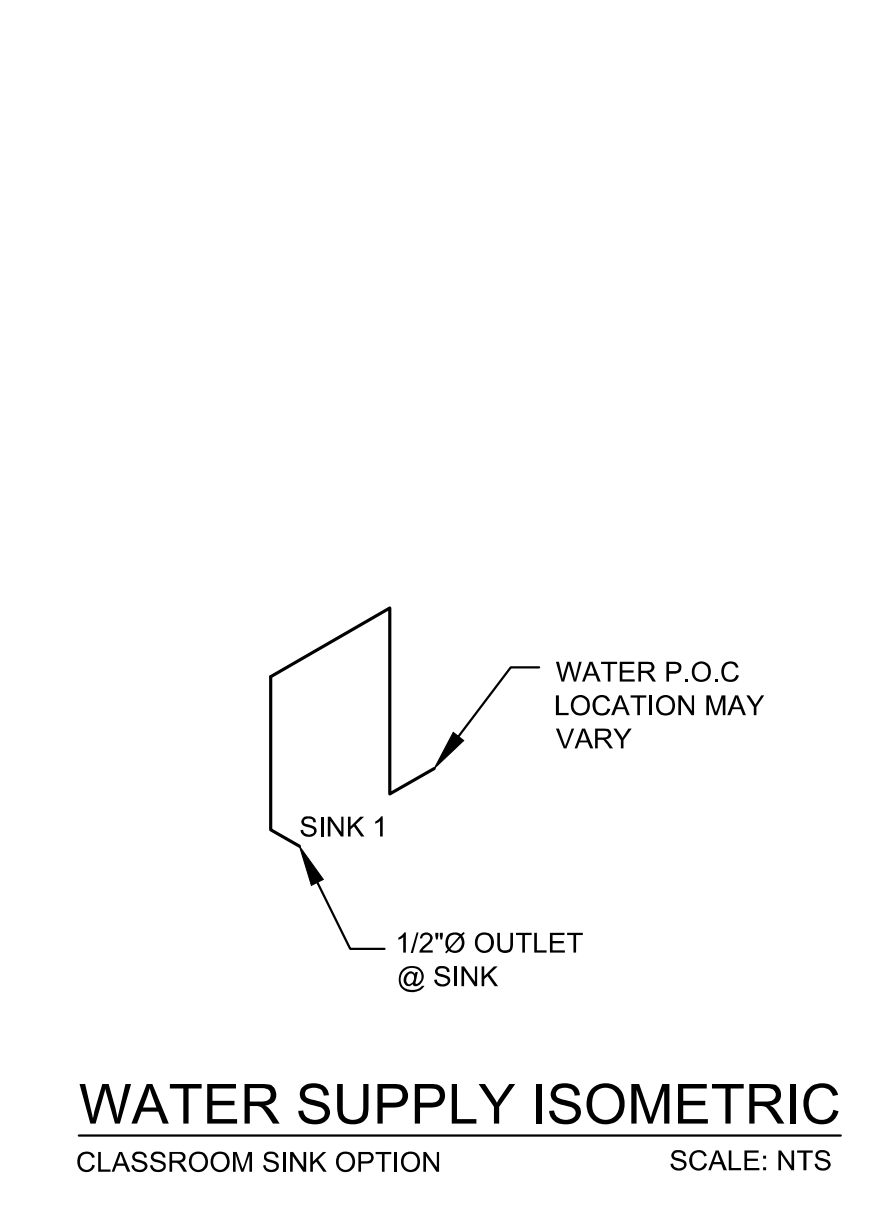


NOT USED

WATER SUPPLY ISOMETRIC
 SINGLE TOILET OPTION
 SCALE: NTS



WASTE ISOMETRIC
 CLASSROOM SINK OPTION
 SCALE: NTS



WATER SUPPLY ISOMETRIC
 CLASSROOM SINK OPTION
 SCALE: NTS

KEY NOTES

1	4\" CLEAN OUT
2	VENT 90
3	VENT CROSS
4	4\" QUARTER BEND
5	SMITH#0600 CARRIER
6	2\" SANITARY TAP TEE
7	4x4x2 COMBINATION WYE 1/8 BEND
8	2x2x1 1/2 SANITARY TEE
9	4\" DOUBLE COMBINATION
10	2\"x18\" LONG CU AIR CHAMBER
11	1\" CW STUB AT WATER CLOSETS
12	3/4\" CW STUB AT URINALS
13	1/2 CW STUB AT LAVATORIES