

SITE LEGEND:

- ←..... EXISTING ACCESSIBLE PATH OF TRAVEL
- EXISTING PROPERTY LINE
- ▨ EXISTING BUILDING
- ▭ NEW BUILDING
- ▨ EXISTING CONCRETE TO REMAIN
- ▨ EXISTING TURF TO REMAIN
- ▨ PROPOSED CONCRETE
- [B] EXISTING ACCESSIBLE BOYS RESTROOM PER DSA APP. NO. 02-113877
- [G] EXISTING ACCESSIBLE GIRLS RESTROOM PER DSA APP. NO. 02-113877
- [M] EXISTING ACCESSIBLE MENS RESTROOM PER DSA APP. NO. 02-113877
- [W] EXISTING ACCESSIBLE WOMENS RESTROOM PER DSA APP. NO. 02-113877
- [DF] EXISTING ACCESSIBLE DRINKING FOUNTAIN PER DSA APP. NO. 02-113877
- ① EXISTING VAN ACCESSIBLE PARKING WITH TRUNCATED DOMES PER DSA APP. NO. 02-113877
- ② EXISTING ACCESSIBLE TOW AWAY SIGN PER DSA APP. NO. 02-113877
- ③ ROUTE TO PUBLIC WAY

PARKING LOT SUMMARY:

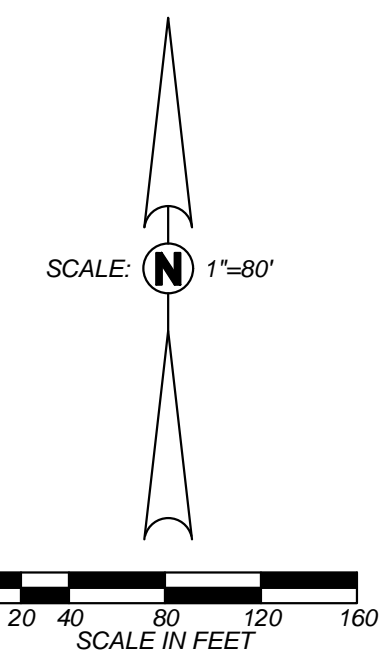
DSA APP #	TOTAL STALLS PROVIDED	ACCESSIBLE STALLS PROVIDED	ACCESSIBLE STALLS REQUIRED PER CBC 11-B208.2
02-113877	65	3 TOTAL (1 VAN)	3 TOTAL (1 VAN)

PROJECT DATA / CODE ANALYSIS:

(2019 CBC, CFC & City of Fresno municipal code amendments)
 CONSTRUCTION TYPE:..... V-B (CBC 602.5)
 FIRE SPRINKLERS:..... NO.
 1. It is a relocatable building at the site for less than three years (CBC 903.2.20).
 2. Total Applicable Building Area (3,840 SF) is less than 12,000 SF maximum for no sprinklers (CBC 903.2.3).
 3. The existing modular units are all sprinklered.
 OCCUPANCY CLASSIFICATION:..... E, EDUCATION GROUP (CBC 305)
 BUILDING HEIGHT:..... ALLOWABLE 40' Max. PROPOSED +/- 16' (CBC TABLE 504.3)
 BUILDING AREA:..... ALLOWABLE 9,500 SF (CBC TABLE 506.2)
 The separation of the proposed and existing buildings is less than 20' (CBC Table 602), the modular buildings do not have fire rated exterior walls so they shall be considered a portions of one building as follows:
 EXISTING 1,820 SF
 PROPOSED 1,920 SF
 TOTAL 3,840 SF
 OCCUPANT LOAD CALCULATION (CBC TABLE 1004.5)
 Existing Adjacent Modular Building 'A' & 'B':
 CONSTRUCTION TYPE:..... V-B
 OCCUPANCY CLASSIFICATION:..... E, EDUCATION GROUP
 CLASSROOM AREA:..... (2) 960 = 1920 SF
 OCC. LOAD FACTOR..... 1 OCC./20 SF NET
 960/20 = 48 (EACH)
 Proposed (2) 24' x Classrooms:
 CLASSROOM AREA:..... (2) 960 = 1920 SF
 OCC. LOAD FACTOR..... 1 OCC./20 SF NET
 960/20 = 48 (EACH)
 Total: 192
 1 EXIT PER CLASSROOM REQUIRED AND 1 EXIT IS PROVIDED (CBC TABLE 1006.2.1 FOR MAXIMUM OCCUPANT LOAD OF 48)

NOTE:

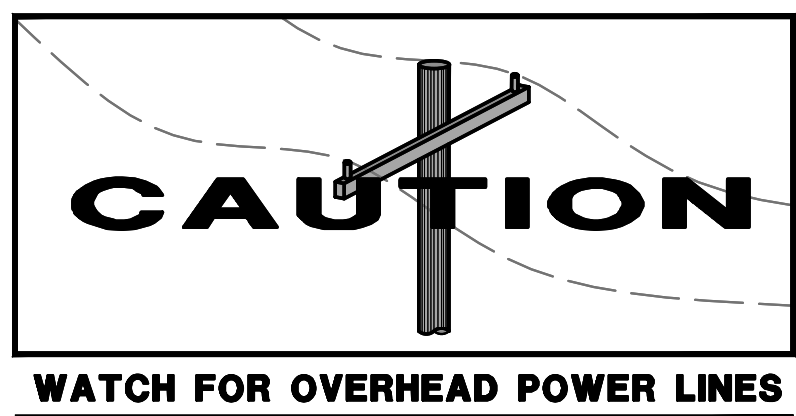
ALL DOORS TO ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 5 OR MORE SHALL BE EQUIPPED WITH HARDWARE THAT IS LOCKABLE FROM THE INSIDE PER CBC 1010.1.11



FOR DSA USE ONLY
 DSA APP # 02-120132

PATH OF TRAVEL REQUIREMENTS:

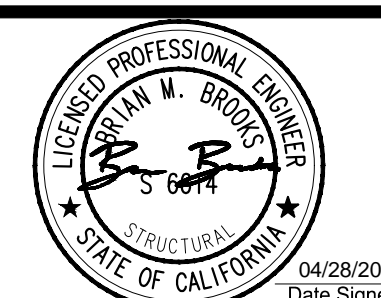
1. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE PATH-OF-TRAVEL (P.O.T.) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS.
 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 NON-COMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.
 ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.
 DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-COMFORMING 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.
2. THE ENGINEER HAS SURVEYED/INSPECTED THE PATH OF TRAVEL (P.O.T.) AS INDICATED ON THE PLANS AND HAS FOUND IT TO BE, OR HAS INDICATED ON THE PLANS REMEDIAL WORK WHICH WOULD CAUSE IT TO BE, A BARRIER FREE ACCESSIBLE ROUTE:
 1. AT LEAST 48" IN WIDTH; OR AS APPROVED BY CODE. WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING 1/4".
 2. WITH A FIRM, STABLE, AND SLIP RESISTANT WALKING SURFACE; WITH A RUNNING SLOPE OF 1:20 OR LESS, UNLESS OTHERWISE INDICATED, AND A CROSS SLOPE OF 1:48 OR LESS.
 3. IS FREE OF OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE WALKING SURFACE
 4. IS FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE.
3. PASSING SPACES (11B-403.5.3) OF 60"x60" MIN. ARE LOCATED NOT MORE THAN 200' APART. WALKS WITH CONTINUOUS GRADIENTS HAVE 60" IN LENGTH OF LEVEL AREAS (11B-403.7) NOT MORE THAN 400' APART. THERE IS NO DROP-OFF OVER 4" AT THE EDGE OF WALK OR LANDING UNLESS IDENTIFIED BY A GUARD, A HANDRAIL, OR WARNING CURB AT LEAST 6" IN HEIGHT ABOVE THE WALK (11B-303.5).

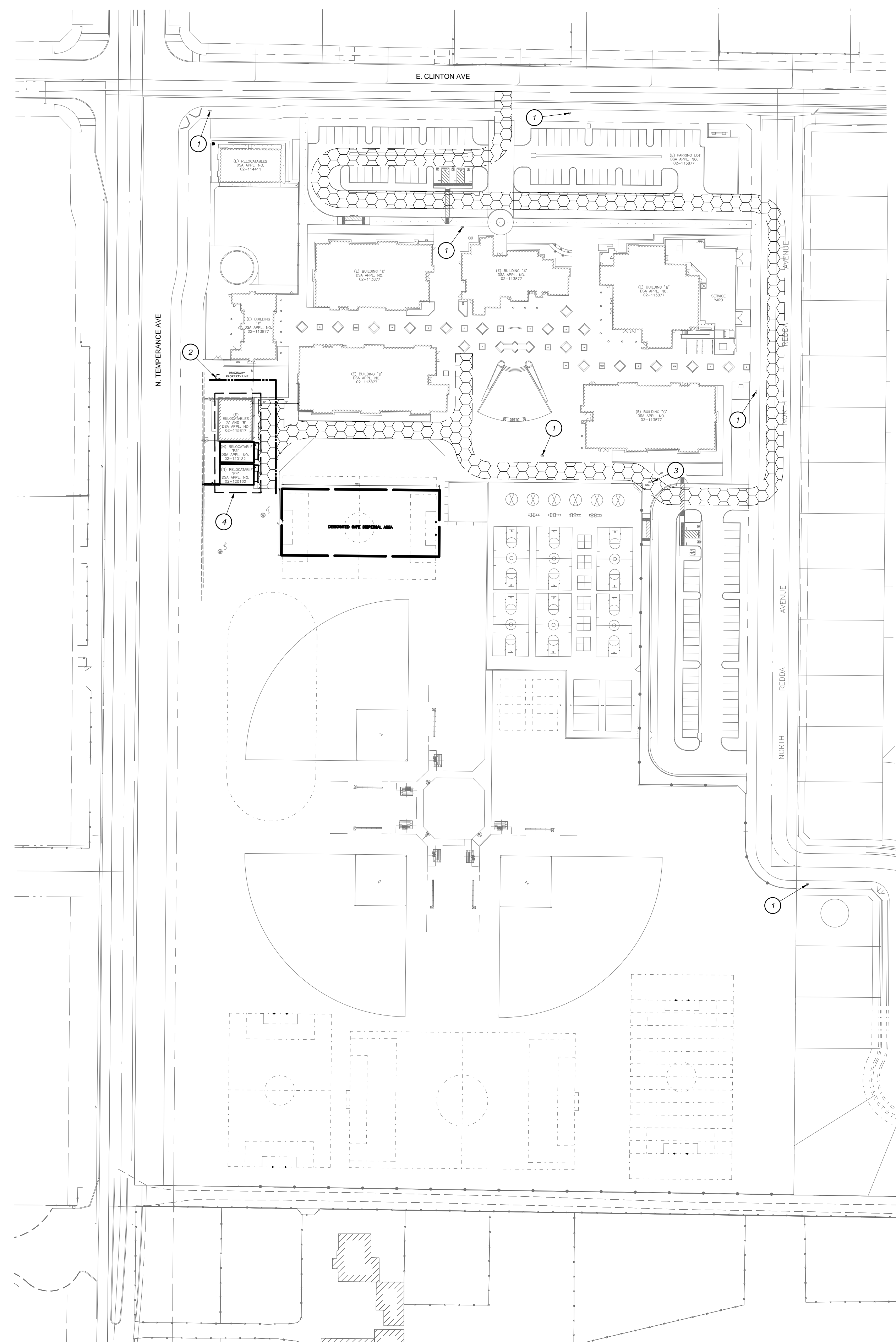


Blair, Church & Flynn
 CONSULTING ENGINEERS
 455 Clovis Avenue,
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 Clovis, California 93612
 Tel (559) 326-1400
 Fax (559) 326-1500

CLOVIS UNIFIED SCHOOL DISTRICT
 PORTABLE ADDITIONS
 BORIS ELEMENTARY SCHOOL
 ACCESSIBILITY PLAN

CONST. DOCUMENTS
 DR. BY: DG
 CH. BY: LRB
 DATE: 04/28/2022
 SCALE AS NOTED
C101B





SITE LEGEND:

- EXISTING 20' WIDE FIRE LANE
- NEW BUILDING
- EXISTING BUILDING
- EXISTING FIRE HYDRANT
- EXISTING F.D.C.
- REMOVABLE BOLLARDS
- ALL MODULAR UNITS WITHIN DASHED LINE SHALL BE CONSIDERED AS PORTIONS OF ONE BUILDING (CBC 705.3 EXCEPTION 1)**

FRESNO FIRE
 KERRI L. DOWS, CFO, EFO, MSOL
Fire Chief
 Billy Alcorn, Deputy Fire Chief/ Fire Marshal
 Prevention and Support Services Division
 (559) 427-4181 • FAX: (559) 498-4322
 Fresno Fire Department • 811 1st Street • Fresno, CA 93721-5002

Please Reply To: Byron Beagles
 Fire Hydrant Engineer
 (559) 621-4141
 byron.beagles@fresno.gov

DATE: April 8, 2022
 TO: Diego Goema, Assistant Engineer
 Blair, Church & Flynn
 SUBJECT: Waterflow Curve for 7071 E. Clinton Virginia R. Boris Elementary School

The Fresno Fire Department provides prescriptive curves for fire sprinkler hydraulic calculations and available fire flow. The subject project's water supply is provided by:

- City of Fresno Water Division
- Providence Public Utility District
- Berman Water Company
- City of Kerman
- Other:

For purposes of the sprinkler hydraulic design for this project, a curve of 45 gpm @ 150 psi per head/flow of 1500 gpm (prescriptive curve "A") 45 gpm @ 150 psi per head/flow of 1300 gpm (prescriptive curve "B") 45 gpm @ 150 psi per head/flow of 1300 gpm (prescriptive curve "C") Other:

and be utilized as the basis of design at the point of connection to the 12 inch water main located in N. Temperance Ave. Alternatively, the sprinkler system can be calculated to the 8 inch public main in N. Redda using Curve "B" described above. The school site has two 8 inch fire services and assume it is looped on site to both services.

This prescriptive curve is based on water main infrastructure in the project area. Historic data on available fire flow at peak demand periods, anticipated available fire flow with future development, and the known operating parameters of the respective water providers. Service will be through a single detector check in to the fire hydrant system calculations. If you have further questions, please feel free to contact our office.

Sincerely,

"To protect and put service above all else."

FIRE AUTHORITY

ADSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

The 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 alternate design means for the department emergency vehicle access, and fire suppression water supply information associated with items 4 through 7 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 stamped onto the fire access site plan. When an alternate design means is proposed, all sections on pages 1 and 2 are to be completed and stamped on the fire access site plan.
 For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

PROJECT INFORMATION
 School District/Owner: CLOVIS UNIFIED SCHOOL DISTRICT
 Project Name/School: VIRGINIA R. BORIS ELEMENTARY SCHOOL
 Project Address: 7071 E. CLINTON AVE, FRESNO, CA 93727

FIRE & LIFE SAFETY INFORMATION

1. Has a fire hydrant flow test been performed within the past 12 months? (If an alternate design is used, see item 4.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal Fire? If yes, indicate FHSZ classification below.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Refer to the following website for FHSZ locations: http://caljfs.fhsz.ca.gov/	Moderate <input type="checkbox"/>	High <input type="checkbox"/>
Very High <input type="checkbox"/>	Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)	WFA <input type="checkbox"/>

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DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION

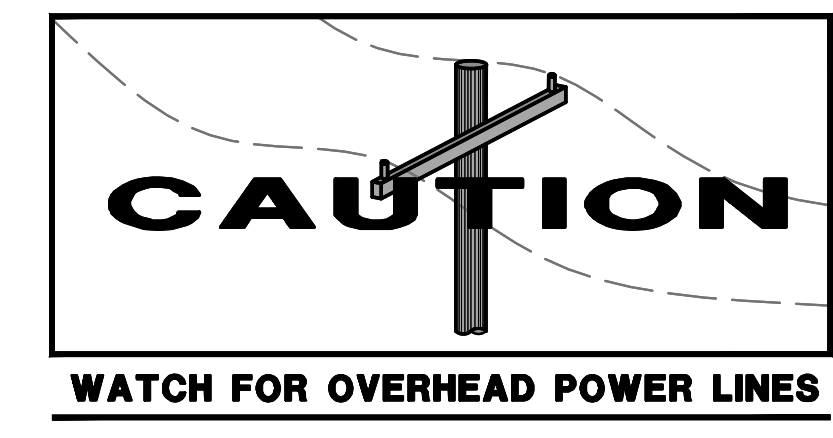
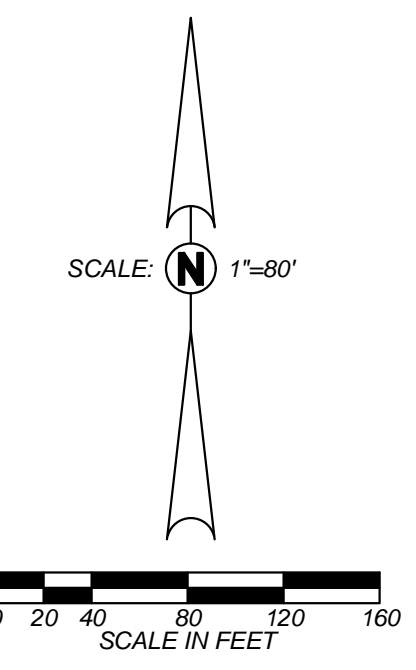
	YES	NO	N/A	NR
4. Emergency vehicle access (easements) do not meet CFC requirements.				X
4a. Acceptable Alternative: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				X
5. Fire Hydrants: Number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

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

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

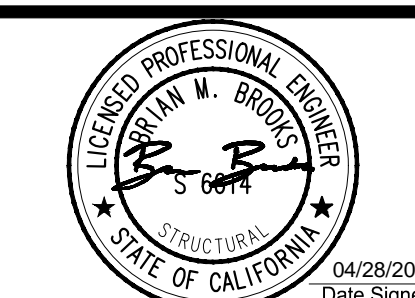
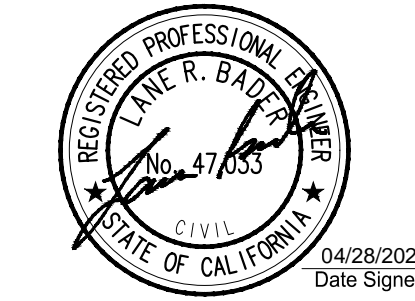
LOCAL FIRE AUTHORITY (LFA) INFORMATION
 LFA Agency Name: _____
 LFA Review Official: _____
 Title: _____ Work Phone: _____
 Work Email: _____
 LFA Reviewer's Signature: _____ Date: _____

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Blair, Church & Flynn
 CONSULTING ENGINEERS
 455 Clovis Avenue, Suite 500
 Clovis, California 93612
 Tel: (559) 326-1400
 Fax: (559) 326-1500

04/28/2022
 Date Signed:



CLOVIS UNIFIED SCHOOL DISTRICT	
PORTABLE ADDITIONS BORIS ELEMENTARY SCHOOL FIRE ACCESS PLAN	CONST. DOCUMENTS
DR. BY: DG CH. BY: LRB DATE: 04/28/2022 SCALE AS NOTED	C102B

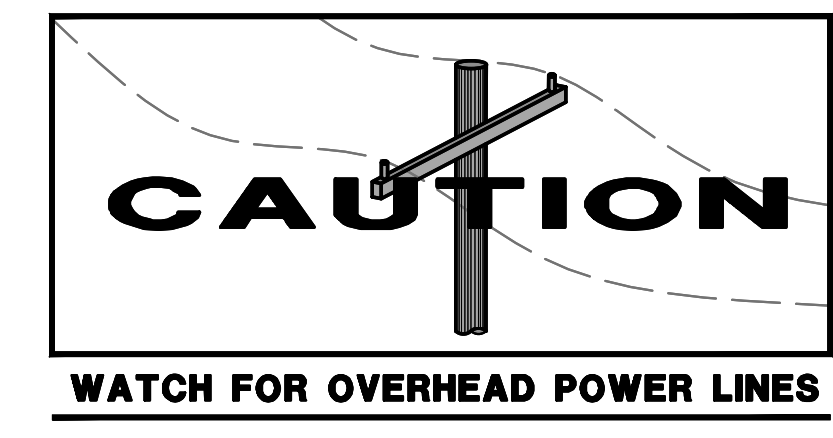
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 Plot by: gpmora Apr 28, 2022 3:52pm

GENERAL TOPOGRAPHIC SURVEY LEGEND:

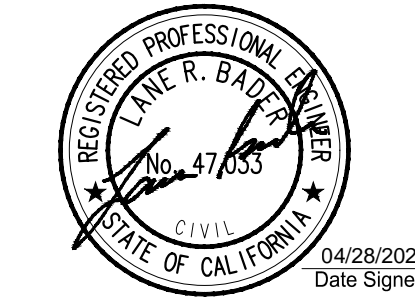
(NOT ALL SYMBOLS SHOWN APPEAR ON THE PLANS)

AB	ABUTMENT	POS	POINT ON SLOPE	□COPB	COMMUNICATION PULLBOX	○ 4" SLE	PIPE SLEEVE; DIAMETER AS SHOWN	— W 8"	WATER LINE; SIZE AS NOTED	— — — — —	RIGHT-OF-WAY CENTER LINE
AC	ASPHALTIC CONCRETE	RCP	REINFORCED CONCRETE	□CVA	COMMUNICATION VAULT	—	SLOPE	— AG 12"	AGRICULTURAL IRRIGATION LINE; SIZE AS NOTED	— — — — —	SETBACK LINE
ACE	ASPHALTIC CONCRETE EDGE	RREL	RIPARIAN EDGE OF LAKE	△ 312.85	SURVEY CONTROL MONUMENT	□SLPB	STREET LIGHT PULLBOX	— A 1"	AIR LINE; SIZE AS NOTED		
AD	ASPHALTIC CONCRETE DIKE	RREP	RIPARIAN EDGE OF POND	○ 8F	DRINKING FOUNTAIN	○ 4" SV	PIPE SLEEVE; DIAMETER AS SHOWN	— C	COMMUNICATION LINE		
AWT	ALL-WEATHER TRACK	RRES	RIPARIAN EDGE OF STREAM	○ 8S	DOORSTOP	○ 3" SP	SEWER MANHOLE	— 350	MAJOR GRADE CONTOUR LINE		
BD	BRIDGE DECK	RREW	RIPARIAN EDGE OF WETLAND	○ 8W	DRYWELL	□ 8" PB	DRYWELL	— 345	MINOR GRADE CONTOUR LINE		
BF	BOTTOM FACE OF CURB	RFL	RIPARIAN FLOWLINE	○ 8G	ELECTRICAL GROUND	□ 8" PB	SIGNAL PULLBOX	— CW 2"	CHILLED WATER LINE; SIZE AS NOTED		
BGST	STEPS	RMMC	RIPARIAN MISC.	○ 8C	ELECTRICAL CONDUIT	○ 4" SPD	SPRINKLER	— CW 2"	CHILLED WATER RETURN LINE; SIZE AS NOTED		
BGTR	TOP OF ROOF	RMP	RIP-RAP SLOPE PROTECTION	□ 8E	ELECTRICAL METER	○ 12" SS	STEEL POST; DIAMETER AS SHOWN	— CWS 2"	CHILLED WATER SUPPLY LINE; SIZE AS NOTED		
BGV	BUILDING VENTS	FRK	ROCK	□ 8F	ELECTRICAL PULLBOX	○ 24" STP	SAND SEPARATOR; SIZE AS NOTED	— — — — —	LIMIT OF DIRT		
BOD	BOTTOM OF DITCH	RW	RETAINING WALL	○ 8G	ELECTRICAL VAULT LID	○ 12" STUMP	STAND PIPE; DIAMETER AS NOTED	— — — — —	LIMIT OF TURF		
BOD	BOTTOM OF DITCH	SB	SPEED BUMP	○ 8H	ELECTRICAL WIRE	○ 4" TEL	TREE STUMP; DIAMETER AS SHOWN	— DL 1"	DRAIN LINE; SIZE AS NOTED		
BR	BARRICADE	SDCD	STORM DRAIN CROSS DRAIN	○ 8I	GAS ELECTRONIC TESTING STATION	○ 7" T	SURVEY MONUMENT WELL	— EMS	EMERGENCY MANAGEMENT SYSTEM		
BRK	BRICK	SDFL	STORM DRAIN FLOWLINE	○ 8J	FIRE DEPARTMENT CONNECTION	○ 7" T	TELEPHONE MANHOLE	— FA	FIRE ALARM LINE		
BW	BARRIER WALL	SDGR	STORM DRAIN GRATE	○ 8K	FIRE HYDRANT	○ 7" T	TELEPHONE MANHOLE	— F 8"	FIRE LINE; SIZE AS NOTED		
CB	CATCH BASIN	SDMS	STORM DRAIN MANHOLE W/ GRATE	○ 8L	FENCE POST	○ 7" T	TELEPHONE MANHOLE	— FO	FIBER OPTIC LINE		
CCA	CONCRETE DRIVE APPROACH	SSFL	SEWER FLOWLINE	○ 8M	FLAG POLE	○ 7" T	TELEPHONE MANHOLE	— — — — —	DRAIN TUBE		
CE	CONCRETE EDGE	SDTH	STORM DRAIN TRENCH	○ 8N	FLAG POLE	○ 7" T	TELEPHONE MANHOLE	— HW 2"	HOT WATER LINE; SIZE AS NOTED		
CMP	CORRUGATED METAL PIPE	SSGT	STORM DRAIN GREASE TRAP	○ 8O	GAS LINE; DIAMETER AS SHOWN	○ 7" T	TELEPHONE MANHOLE	— HWS 2"	HOT WATER SUPPLY LINE; SIZE AS NOTED		
CON	CONCRETE	SSST	SEWER TANK (SEPTIC)	○ 8P	GAS REGULATOR	○ 7" T	TELEPHONE MANHOLE	— HYD	HYDRAULIC LINE		
COTH	COMMUNICATION TRENCH	SSTH	SEWER TRENCH	○ 8Q	IRRIGATION GATE VALVE	○ 7" T	TELEPHONE MANHOLE	— ID 18"	IRRIGATION DISTRICT; SIZE AS NOTED		
CR	CROWN OF ROAD	SWK	SIDEWALK	○ 8R	IRRIGATION GUY WIRE	○ 7" T	TELEPHONE MANHOLE	— IRR 3"	IRRIGATION MAIN LINE; SIZE AS NOTED		
CRD	QUARTER CROWN	SWL	SWALE	○ 8S	GOAL POST	○ 7" T	TELEPHONE MANHOLE	— L 1"	IRRIGATION LATERAL LINE; SIZE AS NOTED		
CS	CONCRETE SLAB	T	TURF	○ 8T	GUY POLE	○ 7" T	TELEPHONE MANHOLE	— ITS	INTELLIGENT TRAFFIC SYSTEM		
CULV	CULVERT	TBC	TOP BACK OF CURB	○ 8U	GRATE; DIAMETER AS SHOWN	○ 7" T	TELEPHONE MANHOLE	— JT	JOINTLY TRENCHED UTILITIES		
CW	CONCRETE WALL	TBW	TOP BACK OF WALK	○ 8V	GATE STOP	○ 7" T	TELEPHONE MANHOLE	— OC	OVERHEAD COMMUNICATIONS LINE		
DD	DOWN DRAIN	TF	TOP OF FOOTING	○ 8W	GAS RISER	○ 7" T	TELEPHONE MANHOLE	— OE	OVERHEAD ELECTRIC LINE		
DFL	DITCH FLOWLINE	TFC	TOP FACE OF CURB	○ 8X	GAS VALVE	○ 7" T	TELEPHONE MANHOLE	— OEC	OVERHEAD ELECTRIC AND COMMUNICATION LINE		
DWY	DRIVEWAY	TFW	TOP FACE OF WALK	○ 8Y	GROUNDING ROD	○ 7" T	TELEPHONE MANHOLE	— OET	OVERHEAD ELECTRIC AND TELEPHONE LINE		
ECTH	ELECTRICAL TRENCH	TLTH	TELEPHONE TRENCH	○ 8Z	GUY WIRE	○ 7" T	TELEPHONE MANHOLE	— DETV	OVERHEAD ELECTRIC AND TELEVISION LINE		
EDR	EDGE OF DIRT ROAD	TOB	TOP OF BANK	○ 8A	HOSE BIBB	○ 7" T	TELEPHONE MANHOLE	— OETV	OVERHEAD ELECTRIC, TELEVISION AND TELEPHONE LINE		
EDR	EDGE OF DIRT ROAD	TOE	TOE OF SLOPE	○ 8B	HANDRAIL	○ 7" T	TELEPHONE MANHOLE	— OTS	OVERHEAD TRAFFIC SIGNAL LINE		
EOD	EDGE OF OILED DIRT	TOP	TOP OF SLOPE	○ 8C	IRRIGATION CONTROLLER	○ 7" T	TELEPHONE MANHOLE	— OTV	OVERHEAD TELEVISION LINE		
EP	EDGE OF PAVEMENT	TRDO	TRUNCATED DOMES	○ 8D	IRRIGATION DISTRICT MANHOLE	○ 7" T	TELEPHONE MANHOLE	— OU	OVERHEAD UTILITY LINE		
ES	EDGE OF SHOULDER	TVTH	TV TRENCH	○ 8E	IRRIGATION REMOTE CONTROL VALVE	○ 7" T	TELEPHONE MANHOLE	— P 8"	PETROLEUM LINE; SIZE AS NOTED		
ET	EDGE OF TRAVELED WAY	TW	TOP OF WALL	○ 8F	IRRIGATION SPLICE BOX	○ 7" T	TELEPHONE MANHOLE	— RW 3"	RECYCLED WATER IRRIGATION LINE; SIZE AS NOTED		
FF	FINISH FLOOR	UTH	UNIDENTIFIED TRENCH/SCAR LINE	○ 8G	IN-GROUND HOSE BIBB	○ 7" T	TELEPHONE MANHOLE	— S&SD 8"	SEWER AND STORM DRAIN LINE; SIZE AS NOTED		
FOTH	FIBER OPTIC TRENCH	VGFL	VALLEY GUTTER FLOWLINE	○ 8H	IRON PIPE	○ 7" T	TELEPHONE MANHOLE	— SFM 8"	SEWER FORCE MAIN; SIZE AS NOTED		
GB	GRADE BREAK	VGR	VALLEY GUTTER	○ 8I	IRON PIPE	○ 7" T	TELEPHONE MANHOLE	— ST 2"	STEAM LINE; SIZE AS NOTED		
GFL	GUTTER FLOWLINE	WALBA	BARRIER WALL	○ 8J	JOINT UTILITY POLE	○ 7" T	TELEPHONE MANHOLE	— TFD	TRAFFIC FIBER OPTIC LINE		
GRA	GRAVEL SPOT SHOT	WALBW	BLOCK WALL	○ 8K	LIGHT POLE	○ 7" T	TELEPHONE MANHOLE	— TS	TRAFFIC SIGNAL LINE		
GRAE	EDGE OF GRAVEL	WALCW	CONCRETE WALL	○ 8L	MAIL BOX	○ 7" T	TELEPHONE MANHOLE	— TV	TELEVISION LINE		
GBTH	GAS TRENCH	WALHW	HEAD WALL	○ 8M	MANHOLE	○ 7" T	TELEPHONE MANHOLE	— UNK	UNKNOWN UTILITY LINE		
GDR	GAS TRENCH	WALRW	RETAINING WALL	○ 8N	MANHOLE	○ 7" T	TELEPHONE MANHOLE	— X	WIRE FENCE		
HDR	WOOD HEADER	WALWW	WING WALL	○ 8O	MANHOLE	○ 7" T	TELEPHONE MANHOLE	— — — — —	CITY LIMIT		
HW	HEAD WALL	WCR	WHEELCHAIR RAMP	○ 8P	MANHOLE	○ 7" T	TELEPHONE MANHOLE	— — — — —	EASEMENT 1		
KR	K-RAIL	WLPD	WELL PAD	○ 8Q	MANHOLE	○ 7" T	TELEPHONE MANHOLE	— — — — —	EASEMENT 2		
LIP	LIP OF GUTTER	WPTH	WATER TRENCH	○ 8R	MANHOLE	○ 7" T	TELEPHONE MANHOLE	— — — — —	RIGHT-OF-WAY LINE		
LSDE	DECOMPOSED GRANITE EDGE	WW	WING WALL	○ 8S	MANHOLE	○ 7" T	TELEPHONE MANHOLE				
LSDG	DECOMPOSED GRANITE	(SSS,Z)	EXISTING ELEVATION	○ 8T	MANHOLE	○ 7" T	TELEPHONE MANHOLE				
LSGC	GROUND COVER	○ AL	ACCENT LIGHT	○ 8U	MANHOLE	○ 7" T	TELEPHONE MANHOLE				
LSGF	GOLF COURSE FAIRWAY	○ AL	ACCENT LIGHT	○ 8V	MANHOLE	○ 7" T	TELEPHONE MANHOLE				
LSGD	GOLF COURSE GREEN	○ AL	ACCENT LIGHT	○ 8W	MANHOLE	○ 7" T	TELEPHONE MANHOLE				
LSGT	GOLF COURSE TEE	○ AL	ACCENT LIGHT	○ 8X	MANHOLE	○ 7" T	TELEPHONE MANHOLE				
LSSA	SAND	○ AL	ACCENT LIGHT	○ 8Y	MANHOLE	○ 7" T	TELEPHONE MANHOLE				
LSSP	SLOPE PROTECTION	○ AL	ACCENT LIGHT	○ 8Z	MANHOLE	○ 7" T	TELEPHONE MANHOLE				
LSST	GOLF COURSE SAND TRAP	○ AL	ACCENT LIGHT	○ 8A	MANHOLE	○ 7" T	TELEPHONE MANHOLE				
NPTH	NON-POTABLE TRENCH	○ AL	ACCENT LIGHT	○ 8B	MANHOLE	○ 7" T	TELEPHONE MANHOLE				
PA	PATIO	○ AL	ACCENT LIGHT	○ 8C	MANHOLE	○ 7" T	TELEPHONE MANHOLE				
PGTH	PROPANE GAS TRENCH	○ AL	ACCENT LIGHT	○ 8D	MANHOLE	○ 7" T	TELEPHONE MANHOLE				

FOR DSA USE ONLY
DSA APP # 02-120132

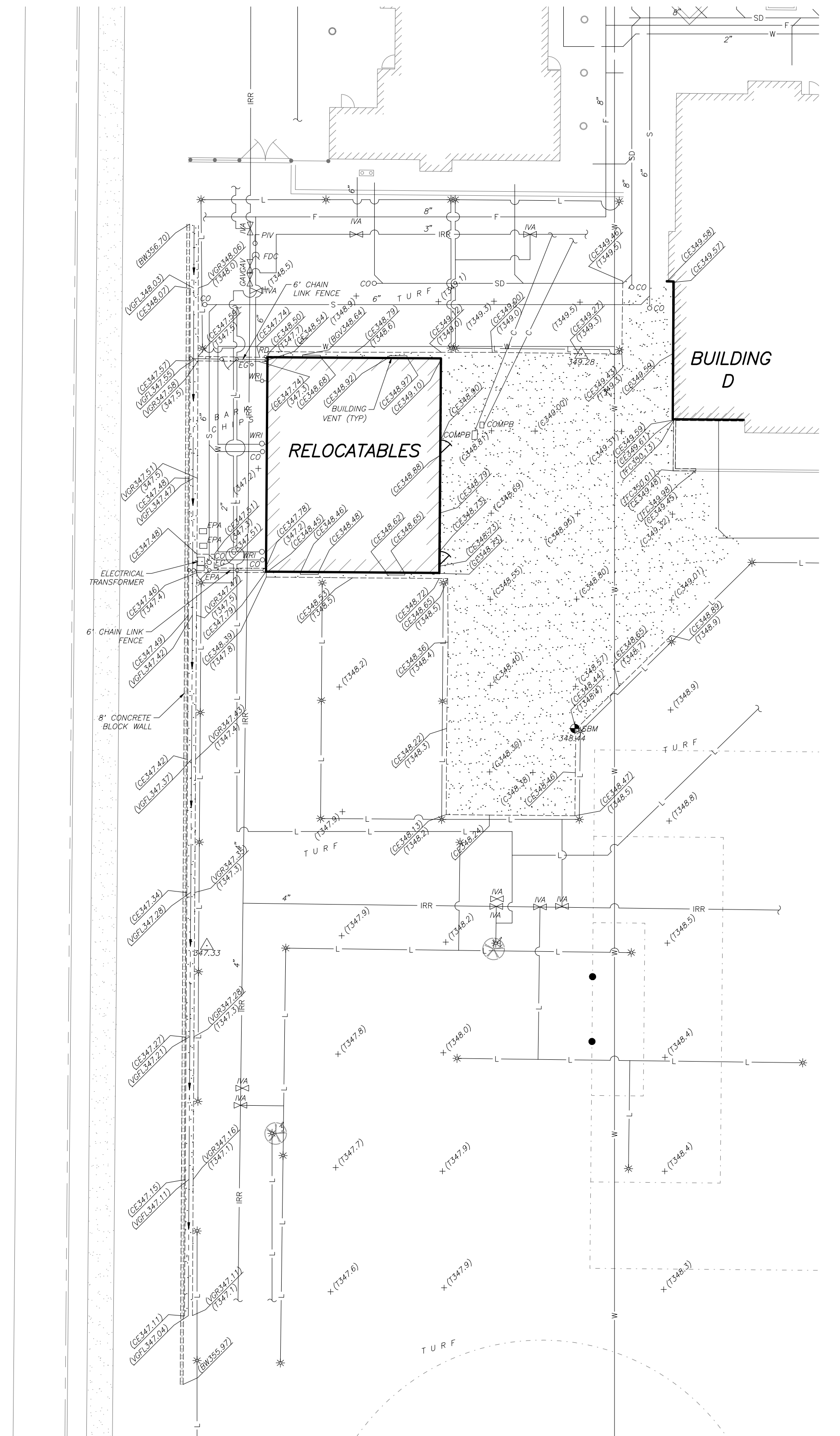


Blair, Church & Flynn
CONSULTING ENGINEERS



CONSULTANT	REF. & REV.	CLOVIS UNIFIED SCHOOL DISTRICT	
Blair, Church & Flynn Consulting Engineers 455 Clovis Avenue, Suite 500 Clovis, California 93612 Tel (559) 326-1400 Fax (559) 326-1500		PORTABLE ADDITIONS BORIS ELEMENTARY SCHOOL TOPOGRAPHIC SURVEY LEGEND	CONST. DOCUMENTS C103B
DR. BY: DG	CH. BY: LRB	DATE: 04/28/2022	SCALE AS NOTED

Blair, Church & Flynn Consulting Engineers, Inc. 04/28/2022 10:00 AM



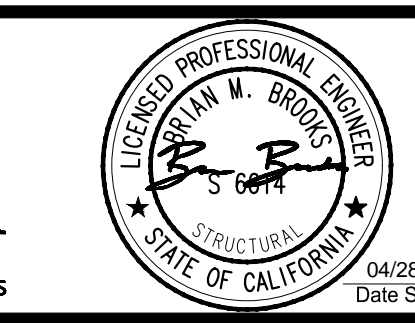
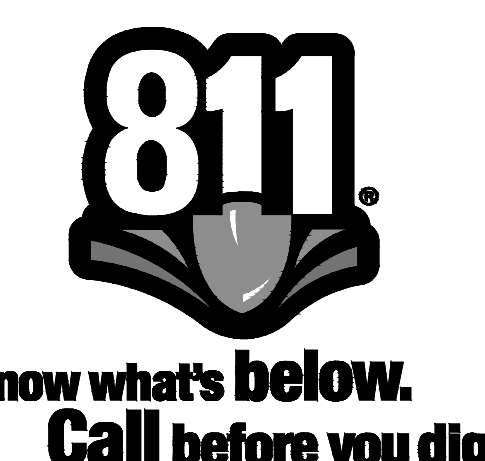
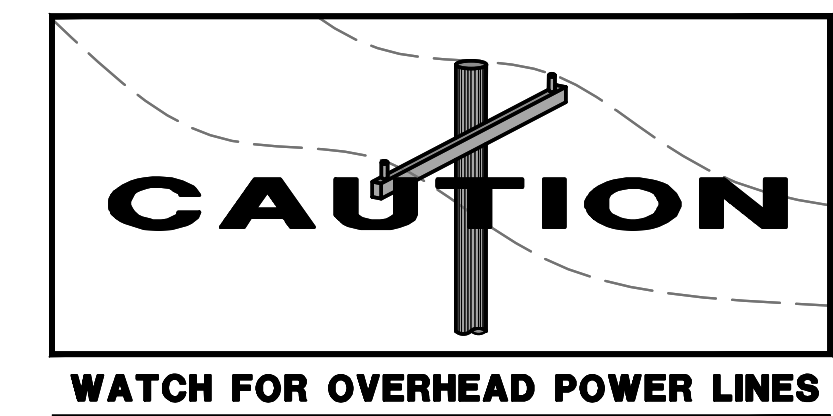
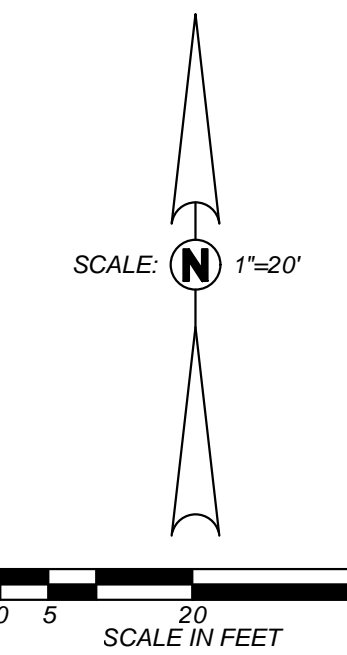
SURVEY NOTES:

1. THIS TOPOGRAPHIC SURVEY LOCATES SPECIFIC PHYSICAL FEATURES OF THE SITE AND THEIR ELEVATION AS DETERMINED NECESSARY BY THE PROJECT ENGINEER. IT IS NOT A COMPLETE TOPOGRAPHIC SURVEY OF THE SITE. THE INFORMATION SHOWN REFLECTS THE DATA OBTAINED BY FIELD SURVEY CONDUCTED ON 02/21/2022.
2. UTILITY INFORMATION SHOWN HEREON IS BASED ON RECORD INFORMATION SUPPLIED TO THE ENGINEER BY UTILITY COMPANIES, PUBLIC AGENCIES AND THE PROPERTY OWNER, TOGETHER WITH OBSERVATION OF VISIBLE EVIDENCE BY A FIELD SURVEY. THE ENGINEER CAN MAKE NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF THE UNDERGROUND UTILITY FACILITIES SHOWN. PRIOR TO ANY SITE EXCAVATIONS, THE CONTRACTOR SHALL CONTACT THE OWNER AND UNDERGROUND SERVICE ALERT (USA) AND REQUEST THAT THEY IDENTIFY THE LOCATION OF ALL UNDERGROUND UTILITIES AT THE SITE.

SITE BENCHMARK:

CHISELED "X" ON CONCRETE WALK APPROXIMATELY 48 +/- FEET SOUTHEASTERLY FROM THE SOUTHEAST CORNER OF THE RELOCATABLES.

ELEV. = 348.44' NAVD88 DATUM



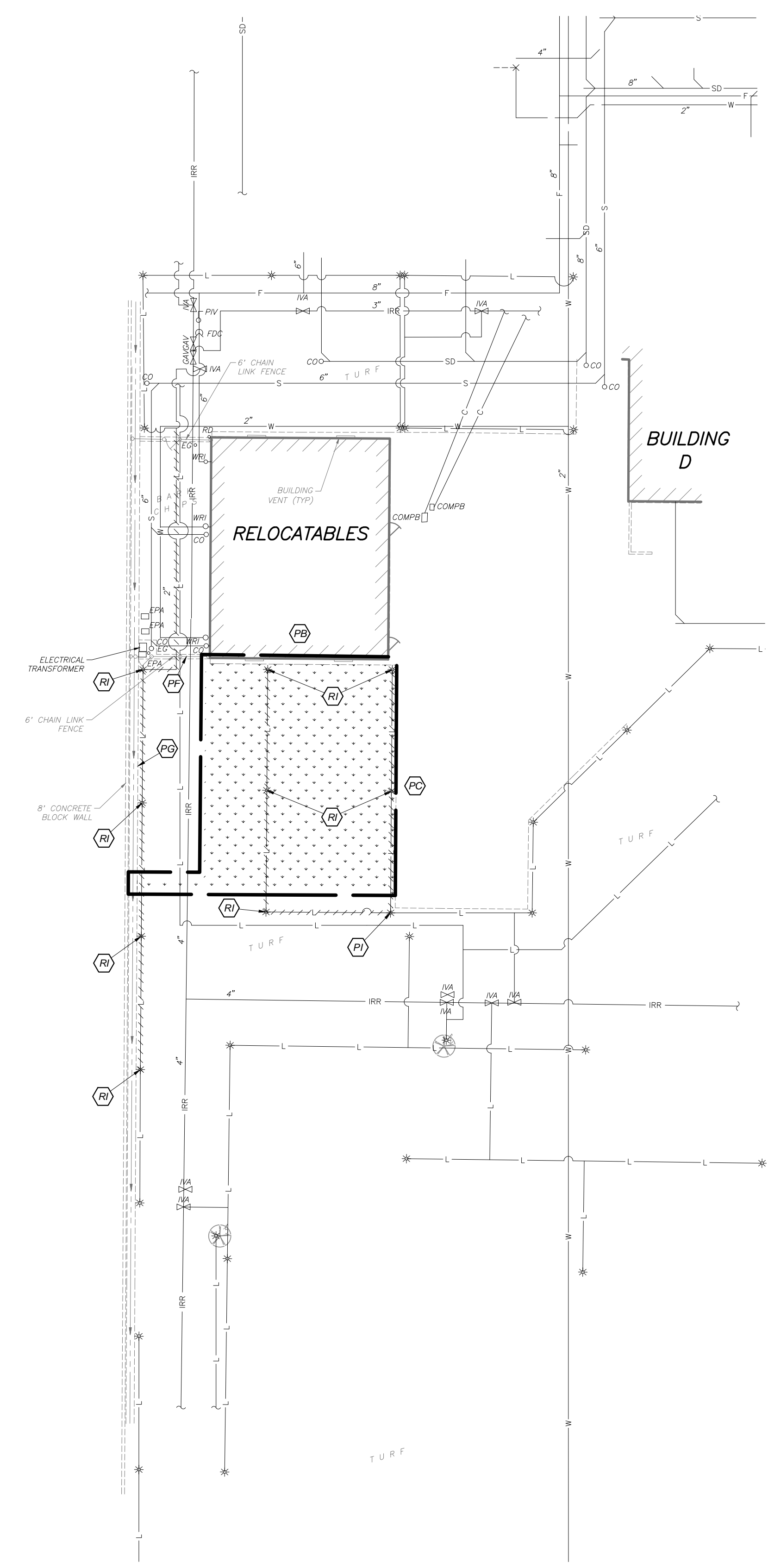
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CONSULTING ENGINEERS
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Fax (559) 326-1500

04/28/2022
Date Signed:

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CLOVIS UNIFIED SCHOOL DISTRICT	
PORTABLE ADDITIONS BORIS ELEMENTARY SCHOOL TOPOGRAPHIC SURVEY	CONST. DOCUMENTS
DR. BY: DG CH. BY: LRB DATE: 04/28/2022 SCALE AS NOTED	C104B

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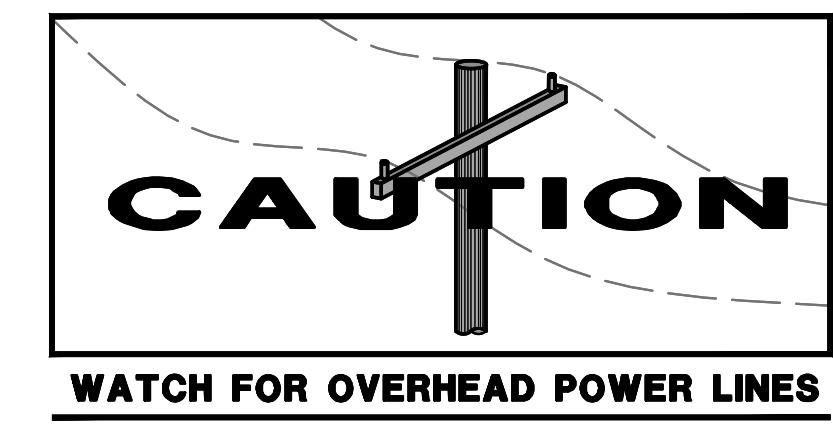
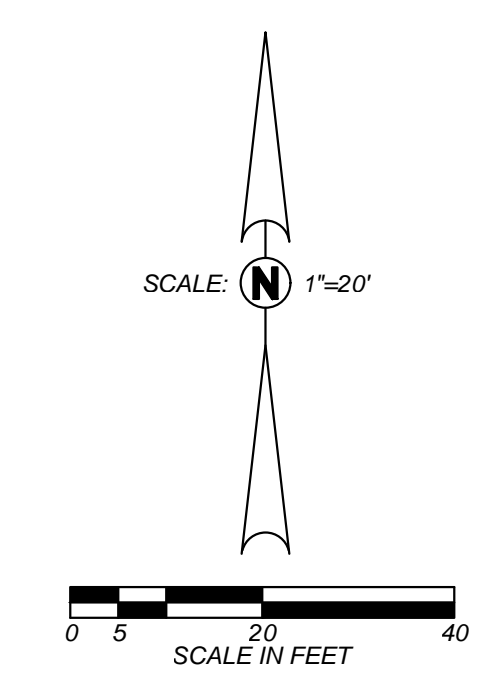


DEMOLITION LEGEND:

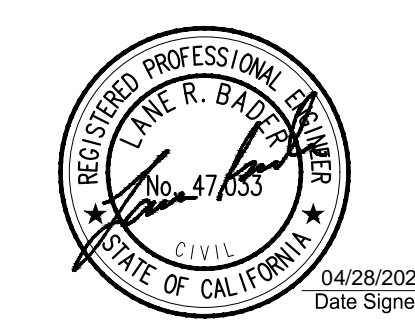
- REMOVE EXISTING IMPROVEMENTS AS NECESSARY TO CONSTRUCT NEW IMPROVEMENTS SHOWN ON THESE PLANS UNLESS OTHERWISE NOTED ON THE PLAN. THE REMOVAL OF IMPROVEMENTS MUST BE COORDINATED WITH ALL PLAN SHEETS. CONTRACTOR MUST ALSO COORDINATE REMOVAL OF IMPROVEMENTS WITH UTILITY AGENCIES. PROTECT ALL IMPROVEMENTS NOT DESIGNATED FOR REMOVAL. SEE NOTE 1
- LIMITS OF VEGETATION REMOVAL. 4" MINIMUM DEPTH
- LIMITS OF CONCRETE IMPROVEMENT REMOVAL
- PROTECT BUILDING TO REMAIN (PB)
- PROTECT CONCRETE IMPROVEMENTS TO REMAIN (PC)
- PROTECT CHAIN LINK FENCE TO REMAIN (PF)
- PROTECT CONCRETE VALLEY GUTTER TO REMAIN (PG)
- PROTECT EXISTING IRRIGATION HEAD TO REMAIN (PI)
- REMOVE AND SALVAGE EXISTING IRRIGATION HEAD AND RETURN TO DISTRICT (RI)
- IRRIGATION LATERAL LINE ABANDONMENT

GENERAL DEMOLITION NOTES:

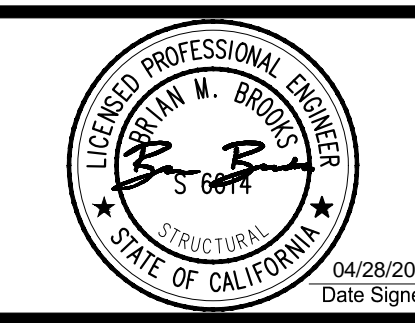
1. THE "LIMIT OF DEMOLITION" SHOWN IS APPROXIMATE AND IS GENERALLY CONSIDERED TO BE THE MINIMUM REMOVAL REQUIREMENTS. CONTRACTOR MUST COORDINATE AS NOTED IN THE LEGEND.
2. CONTRACTOR SHALL LEGALLY DISPOSE OF ALL DEMOLISHED MATERIALS OFF SITE.
3. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITY IMPROVEMENTS NOT SPECIFICALLY DESIGNATED FOR REMOVAL.
4. THE ON-SITE UNDERGROUND UTILITIES SHOWN ON THIS SHEET ARE AT APPROXIMATE LOCATIONS. THE EXTENT, LOCATIONS AND SIZES ARE UNKNOWN. THE CONTRACTOR SHALL POPTHOLE TO LOCATE AND VERIFY THE UNDERGROUND UTILITY LINES PRIOR TO REMOVAL.
5. CONTRACTOR TO PROTECT AND PRESERVE IN PLACE ANY FOUND SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE RESET BY A CALIFORNIA LICENSED SURVEYOR AND THE APPROPRIATE PAPERWORK FILED WITH THE CITY OR COUNTY, AT CONTRACTOR'S EXPENSE.
6. ALL HAZARDOUS MATERIALS ENCOUNTERED DURING SITE DEMOLITION SHALL BE REMEDIATED AND DISPOSED OF PER STATE AND EPA REQUIREMENTS.
7. CONTRACTOR SHALL CONTACT AND COORDINATE WITH ALL UTILITY AGENCIES PRIOR TO THE START OF ANY DEMOLITION OR CONSTRUCTION.
8. ANY EXISTING UTILITIES AND/OR IMPROVEMENTS WHICH ARE TO REMAIN, THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE OWNER AND AGENCY HAVING AUTHORITY, AT THE CONTRACTOR'S SOLE EXPENSE.
9. REMOVE EXISTING IMPROVEMENTS AS NECESSARY TO CONSTRUCT NEW IMPROVEMENTS SHOWN ON THESE PLANS.
 - a) FOR CONCRETE REMOVAL, REMOVE TO THE NEXT NEAREST TOOLED JOINT OR EXPANSION JOINT OF IMPROVEMENTS DESIGNATED TO REMAIN.
10. COMPLIANCE WITH FIRE SAFETY DURING CONSTRUCTION WILL BE ENFORCED.
11. SEE IRRIGATION AND ELECTRICAL PLANS FOR ADDITIONAL DEMOLITION.



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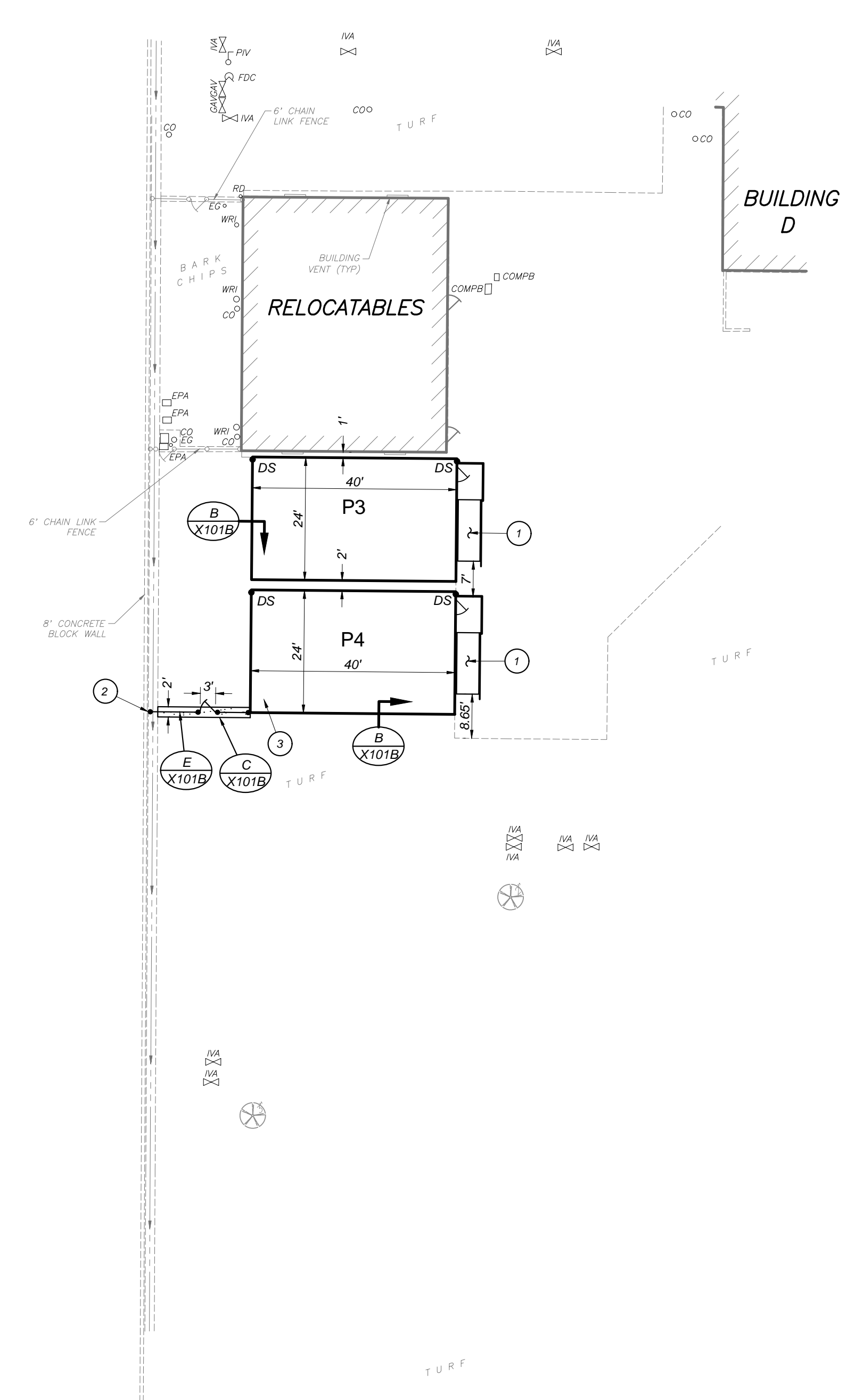
04/28/2022
 Date Signed:



04/28/2022
 Date Signed:

CONSULTANT	REF. & REV.	CLOVIS UNIFIED SCHOOL DISTRICT	
Blair, Church & Flynn Consulting Engineers 455. Clovis Avenue, Suite 200 Clovis, California 93612 Tel: (559) 326-1400 Fax: (559) 326-1500		PORTABLE ADDITIONS BORIS ELEMENTARY SCHOOL DEMOLITION PLAN	CONST. DOCUMENTS DR. BY: DG CH. BY: LRB DATE: 04/28/2022 SCALE AS NOTED C201B

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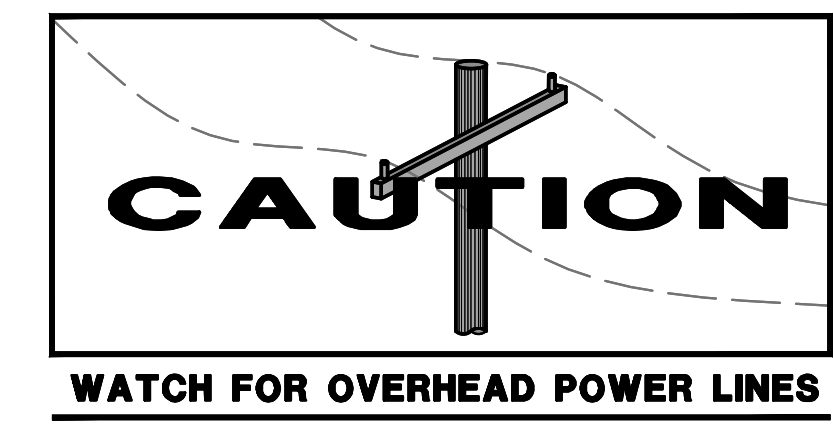
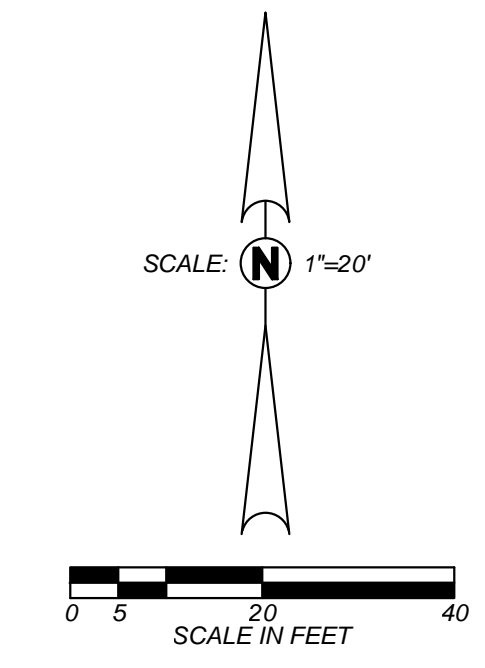


SITE LEGEND:

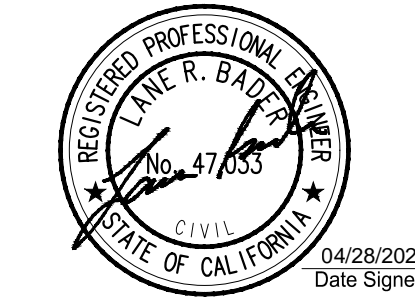
- DS LIMITS OF CONCRETE IMPROVEMENTS
- ① DOWNSPOUT; SEE PORTABLE PLANS
- ② ACCESS RAMP; SEE PORTABLE PLANS
- ③ WELD 6"x6"x1/4" GALV. PLATE TO BOTTOM OF FENCE POST AND MOUNT ON VALLEY GUTTER USING FOUR (4) 3/8"x3" HILTI KWIK BOLT T2 WEDGE ANCHORS OR APPROVED EQUAL PER DETAIL [A/X101B]
- REFER TO DSA APP. NO. 04-119396 FOR FOOTING

GENERAL SITE NOTES:

1. ALL CONCRETE MOWSTRIPS SHALL HAVE WEAKENED PLANE JOINTS AT 10 FEET MAXIMUM ON CENTER AND EXPANSION JOINTS AT 30 FEET MAXIMUM ON CENTER.
2. NO CONCRETE MAY BE POURED UNTIL THE FORMS HAVE BEEN REVIEWED AND APPROVED BY THE PROJECT INSPECTOR.
3. ALL BURIED METALLIC OBJECTS SHALL HAVE A PROTECTIVE COATING OR BE WRAPPED WITH APPROVED PROTECTIVE WRAP.
4. ADJUST EXISTING SPRINKLER HEADS AND LATERAL LINES AS REQUIRED BY NEW IMPROVEMENTS, OR AS SHOWN ON THE IRRIGATION PLANS.
5. 2 WORKING DAYS BEFORE COMMENCING EXCAVATION OPERATIONS WITHIN THE STREET RIGHT-OF-WAY AND/OR UTILITY EASEMENTS. ALL EXISTING UNDERGROUND FACILITIES SHALL HAVE BEEN LOCATED BY UNDERGROUND SERVICES ALERT (USA). CALL 1-800-642-2444
6. ANY SURVEY MONUMENTS WITHIN THE AREA OF CONSTRUCTION SHALL BE PRESERVED OR RESET BY A PERSON LICENSED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA. REPLACEMENT TO BE AT CONTRACTOR'S SOLE EXPENSE.



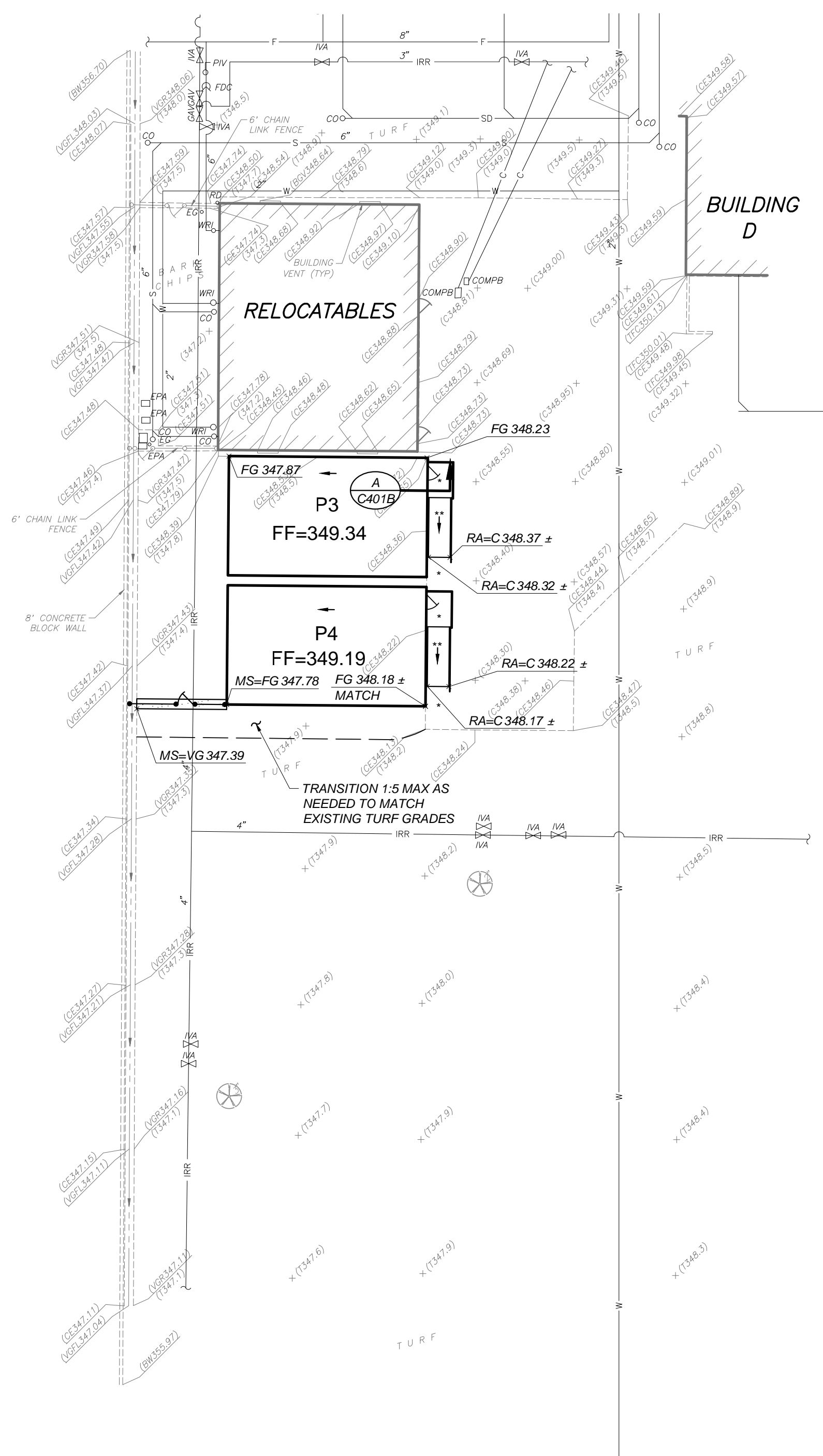
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CLOVIS UNIFIED SCHOOL DISTRICT	
PORTABLE ADDITIONS BORIS ELEMENTARY SCHOOL SITE PLAN	CONST. DOCUMENTS
DR. BY: DG CH. BY: LRB DATE: 04/28/2022 SCALE AS NOTED	C301B

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 Plot by: gpmora Apr 28, 2022 3:10pm

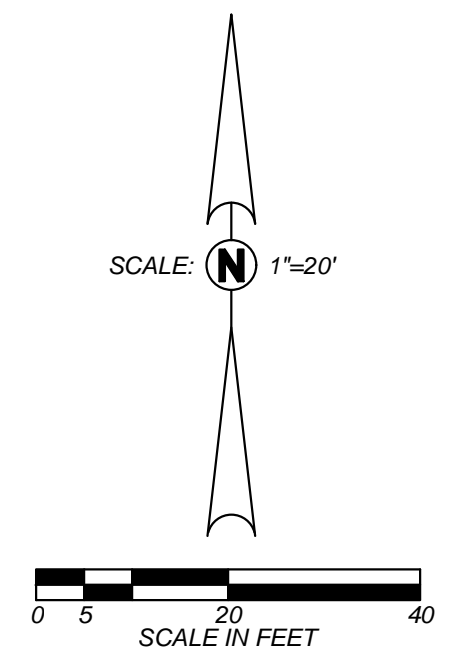
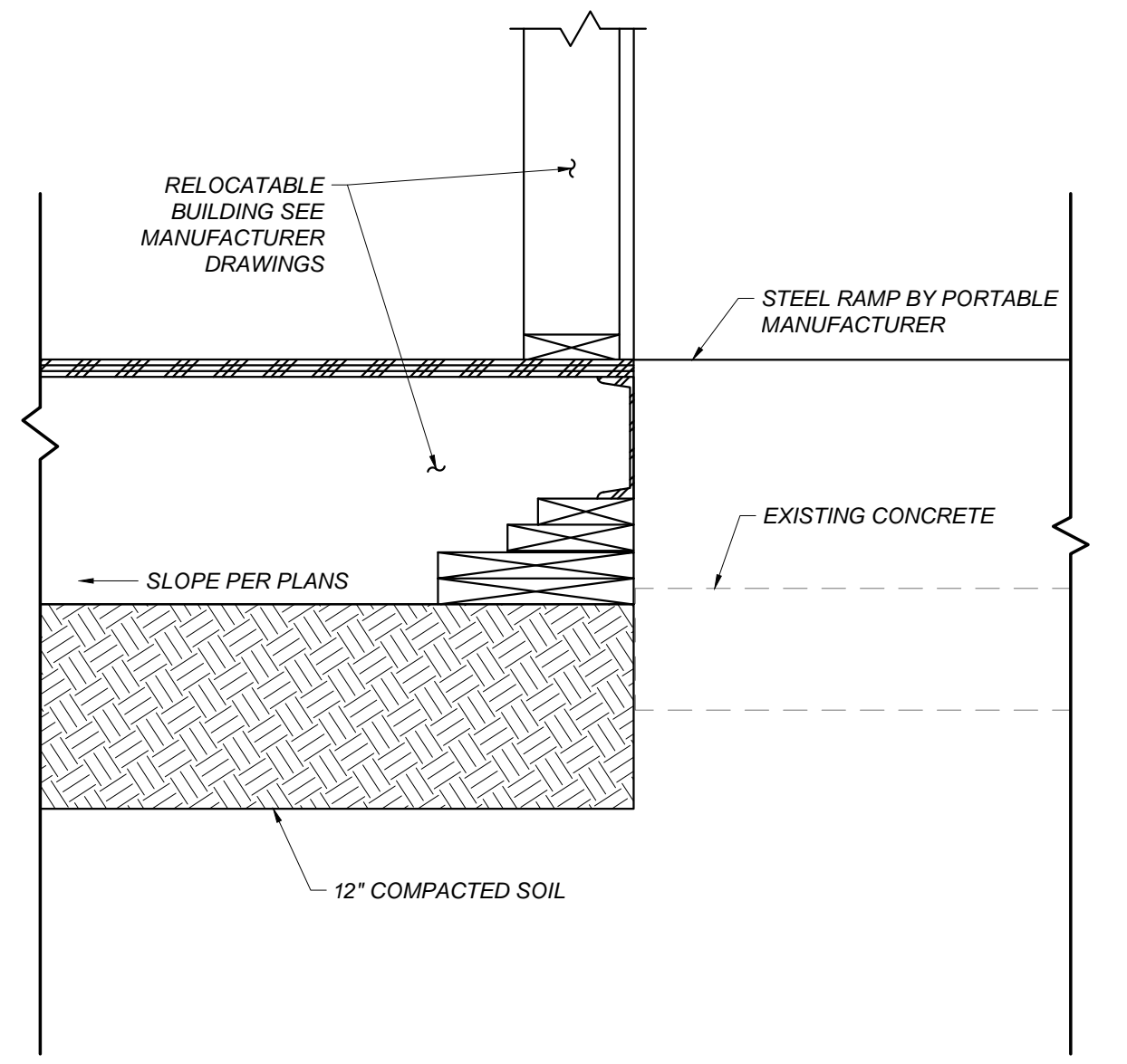


GRADING AND DRAINAGE LEGEND:

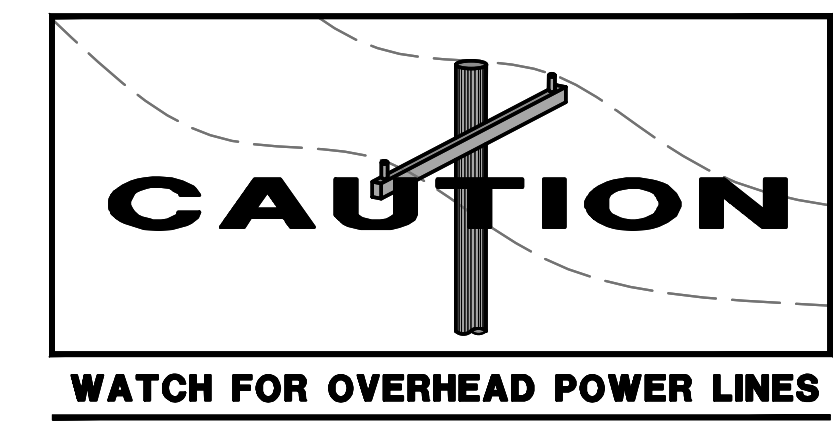
C	CONCRETE
FF	FINISHED FLOOR
MS	MOWSTRIP
RA	RAMP
VG	VALLEY GUTTER
(344.9)	EXISTING ELEVATION
328.78	NEW FINISHED GRADE
→	DIRECTION OF SURFACE DRAINAGE
---	GRADING LIMITS
.	LEVEL LANDING NOT TO EXCEED 2% SLOPE IN ANY DIRECTION
..	RAMP NOT TO EXCEED 8.33% LONGITUDINAL SLOPE NOR 2% IN CROSS-SLOPE

GENERAL GRADING AND DRAINAGE NOTES:

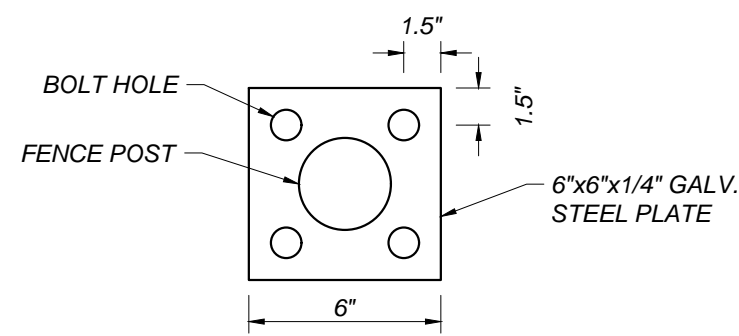
- THE REQUIREMENTS AND INFORMATION SET OUT BELOW ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE AND DO NOT ENCOMPASS ALL PROJECT REQUIREMENTS DESCRIBED BY THE PROJECT PLANS AND SPECIFICATIONS AND/OR APPLICABLE LAWS, REGULATIONS AND/OR BUILDING CODES.
- CONSTRUCTION OF ALL PROJECT SITE IMPROVEMENTS SUBJECT TO ADA ACCESS COMPLIANCE, INCLUDING ACCESSIBLE PATH OF TRAVEL, CURB RETURNS, PARKING STALL(S) AND UNLOADING AREAS, BARRIER FREE AMENITIES AND/OR OTHER APPLICABLE SITE IMPROVEMENTS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT, CALIFORNIA TITLE 24, THE CALIFORNIA BUILDING CODE, CURRENT EDITION(S).
 - CONTRACTOR SHALL FIELD VERIFY ALL GRADES AND SLOPES PRIOR TO THE PLACEMENT OF CONCRETE AND/OR PAVEMENT FOR CONFORMANCE WITH ADA ACCESS COMPLIANCE REQUIREMENTS. EXAMPLES OF MINIMUM AND MAXIMUM LIMITS RELATED TO ADA ACCESS COMPLIANCE INCLUDE, BUT ARE NOT LIMITED TO:
 - ACCESSIBLE PATH OF TRAVEL CROSS-SLOPE SHALL NOT EXCEED 2%
 - ACCESSIBLE PATH OF TRAVEL LONGITUDINAL SLOPES SHALL NOT EXCEED 5%
 - RAMP LONGITUDINAL SLOPES SHALL NOT EXCEED 8.33%
 - ACCESSIBLE WALKS SHALL NOT HAVE LESS THAN 48 INCHES IN UNOBSTRUCTED WIDTH
 - ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION
 - LANDINGS AT THE TOP AND BOTTOM OF ACCESSIBLE RAMPS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION
 - GUTTERS AND ROAD SURFACES DIRECTLY ADJACENT TO AND WITHIN 2 FEET OF A CURB RAMP SHALL HAVE A COUNTER SLOPE NOT TO EXCEED 5%
 - CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IDENTIFIED BY THE PROFESSIONAL ENGINEERING SEAL AND SIGNATURE ON THESE PLANS, OF ANY SITE CONDITION(S) AND/OR DESIGN INFORMATION THAT PREVENTS THE CONTRACTOR FROM COMPLYING WITH THE LAWS, REGULATIONS AND/OR BUILDING CODES GOVERNING ADA ACCESS COMPLIANCE.
 - GROUND SLOPES AWAY FROM BUILDING PADS IN LANDSCAPED OR DIRT AREAS SHALL BE NO LESS THAN 5% FOR AT LEAST TEN (10) FEET, OR AS OTHERWISE NOTED ON THE PLANS.
 - DRAINAGE SHALL NOT BE ALLOWED ONTO ADJACENT PROPERTY.
 - ALL FILL MATERIAL USED TO SUPPORT THE FOUNDATIONS OF ANY BUILDING OR STRUCTURE SHALL BE PLACED UNDER THE DIRECTION OF A LICENSED GEOTECHNICAL ENGINEER, AND IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS. A SOILS COMPACTION REPORT SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AS REQUIRED BY THE PROJECT SPECIFICATIONS.
 - THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS REQUIRED BY THE PROJECT SPECIFICATIONS, AND BY GOVERNING PUBLIC AGENCIES.
 - THE CONTRACTOR SHALL IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS REQUIRED BY THE PROJECT SPECIFICATIONS AND THE STATE WATER RESOURCES CONTROL BOARD'S CONSTRUCTION GENERAL PERMIT. IMPLEMENT BEST MANAGEMENT PRACTICES WITHIN PUBLIC RIGHT OF WAY PER LOCAL JURISDICTION REQUIREMENTS.
 - AS A FIRST ORDER OF WORK, THE CONTRACTOR SHALL POT HOLE THE EXISTING UTILITY LINES AT THE POINT OF CONNECTION TO VERIFY THE LOCATION, SIZE, PIPE MATERIAL AND ELEVATION SO THAT THE ENGINEER CAN MAKE ELEVATION AND/OR ALIGNMENT ADJUSTMENTS IF NECESSARY. SHOULD POT HOLLING DISCOVER ANY DISCREPANCIES, CONTACT THE ENGINEER AND OBTAIN WRITTEN DIRECTION BEFORE PROCEEDING.
 - ADJUST UTILITY LIDS WITHIN NEW CONSTRUCTION AREA TO FINISHED GRADE PER DETAIL (DX101B). REPLACE ALL BROKEN LIDS WITH NEW. PROVIDE TRAFFIC RATED LIDS WITHIN VEHICLE LOADING AREAS.
 - MINIMUM SLOPE ON IMPERVIOUS SURFACES PERPENDICULAR TO ADJACENT STRUCTURE(S), WITHIN ADA PATH, SHALL BE 1% MINIMUM AND 2% MAXIMUM. WHERE DOOR AND GATE LANDINGS OCCUR THE CROSS SLOPE SHALL BE 2% MAXIMUM IN ALL DIRECTIONS



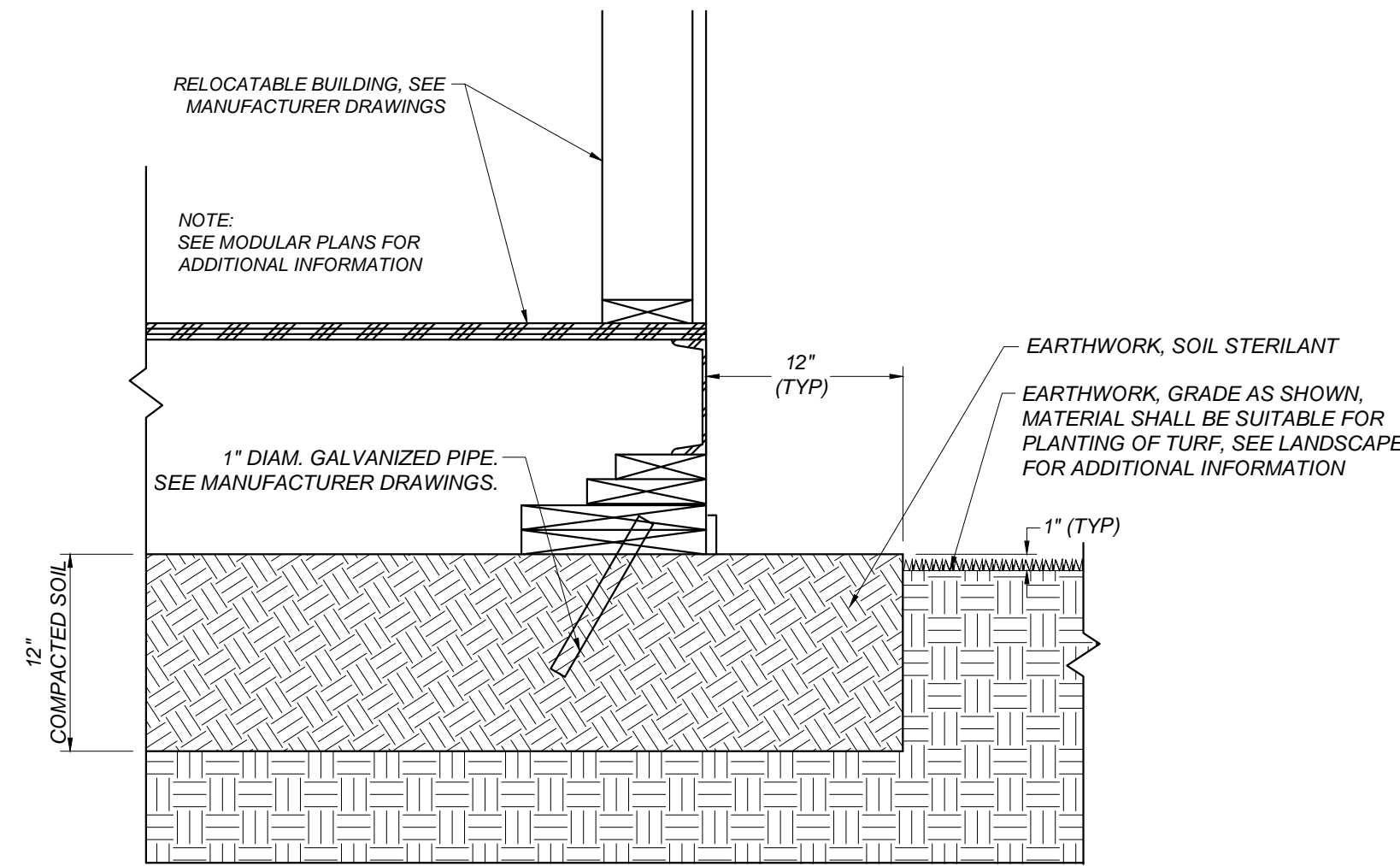
A CROSS SECTION
 C401B NOT TO SCALE



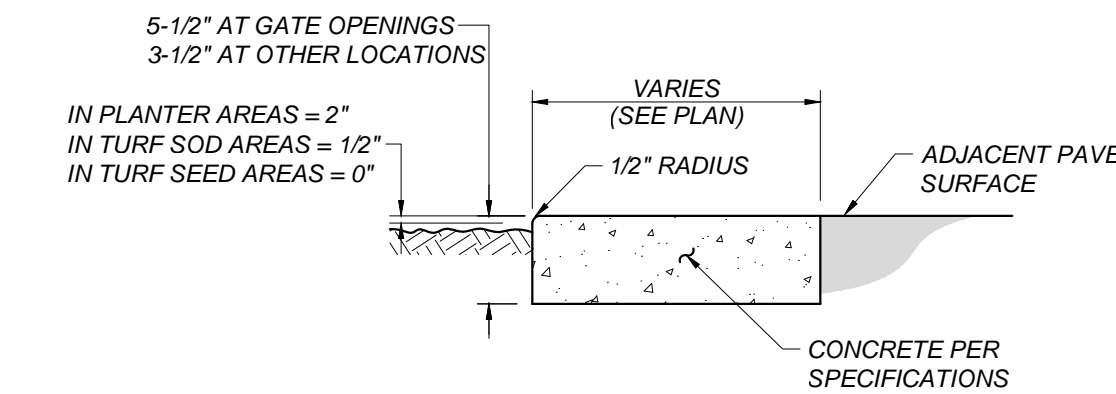
CONSULTANT	REF. & REV.	CLOVIS UNIFIED SCHOOL DISTRICT	
Blair, Church & Flynn Consulting Engineers 455 Clovis Avenue, Suite 500 Clovis, California 93612 Tel (559) 326-1400 Fax (559) 326-1500		PORTABLE ADDITIONS BORIS ELEMENTARY SCHOOL GRADING AND DRAINAGE PLAN	CONST. DOCUMENTS
		DR. BY: DG CH. BY: LRB DATE: 04/28/2022 SCALE AS NOTED	C401B



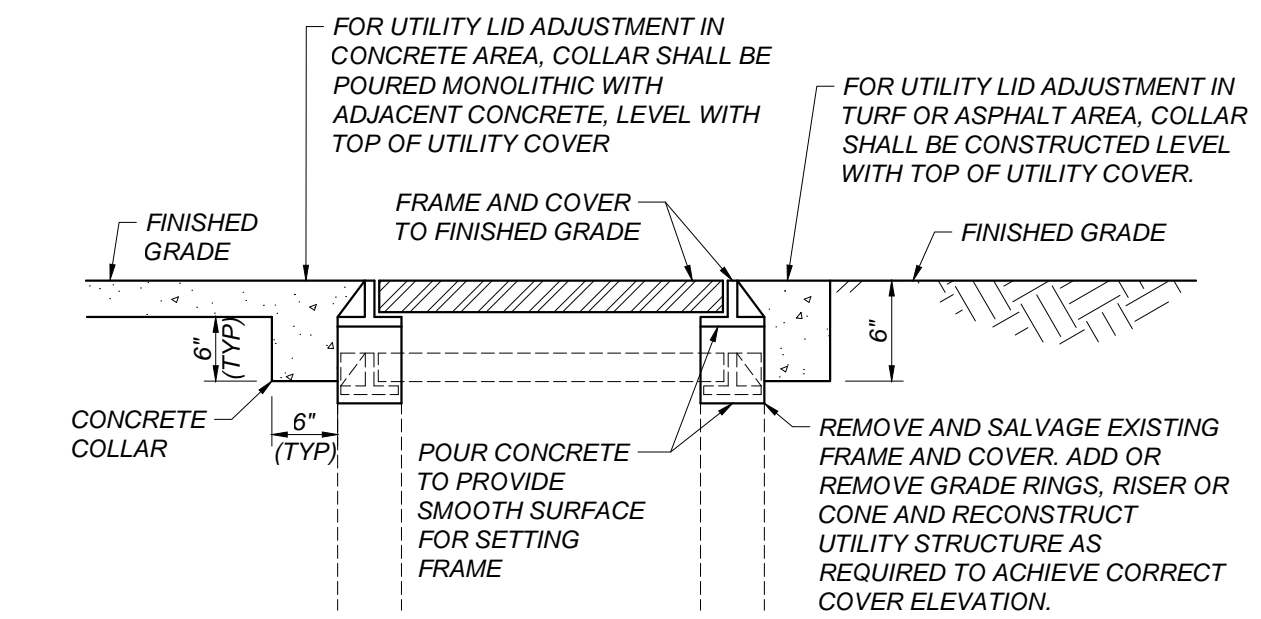
A FENCE POST MOUNTING
X101B NOT TO SCALE



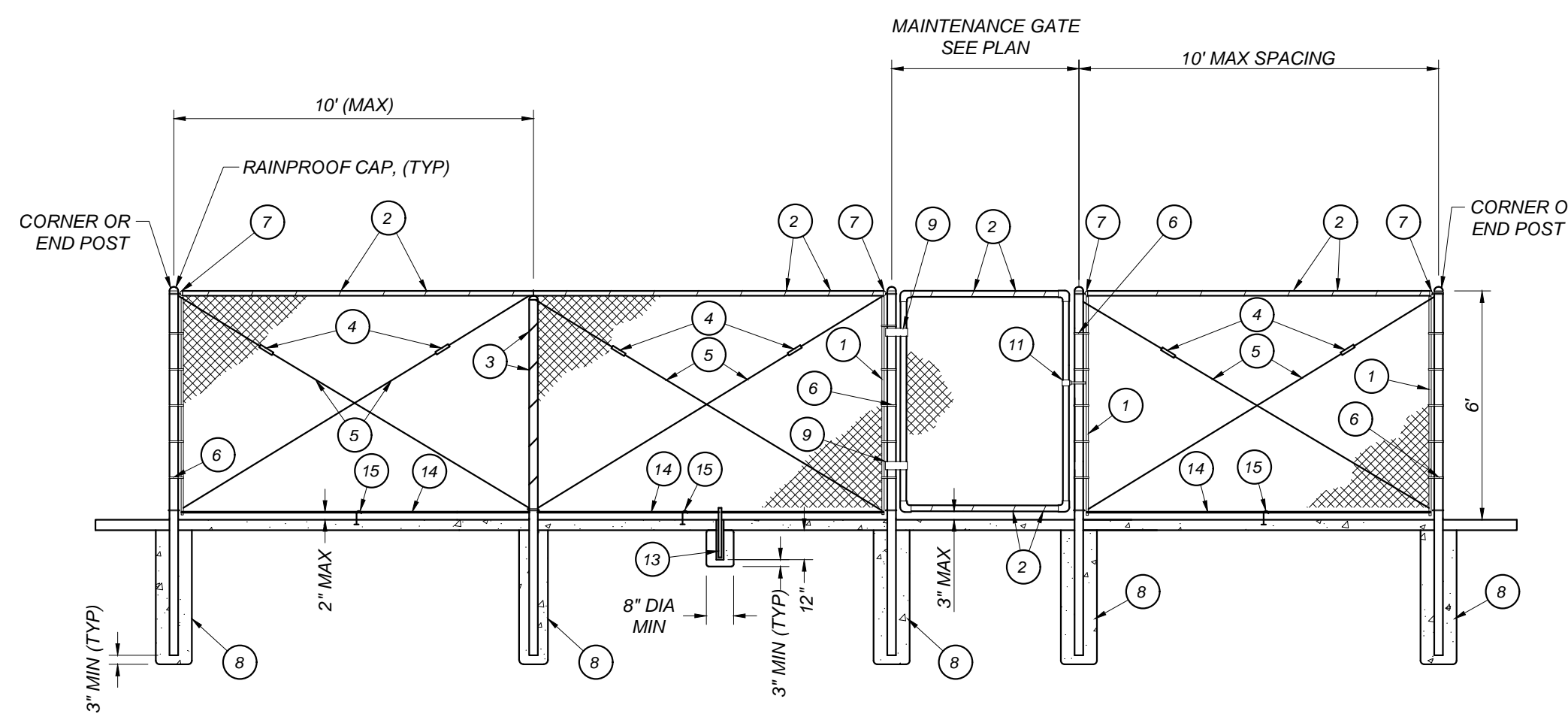
B PERIMETER PIER
X101B NOT TO SCALE



C CONCRETE MOWSTRIP
X101B NOT TO SCALE



D ADJUST UTILITY LID
X101B NOT TO SCALE



FENCE AND GATE ELEVATIONS

OPEN FABRIC CHAIN LINK FENCE AND GATE LEGEND:

- 1 1/8" X 3/4" GALVANIZED STEEL STRETCHER BAR.
- 2 9 GAUGE (0.148" DIA) GALVANIZED STEEL TIE WIRES OR HOG RINGS AT 15" MAXIMUM SPACING. MINIMUM OF 8 TIE WIRES PER EACH 10' HORIZONTAL RAIL.
- 3 6 GAUGE (0.192" DIA) GALVANIZED STEEL POST CLIPS AT 14" MAXIMUM SPACING. MINIMUM 5 POST CLIPS FOR EACH 6' POST.
- 4 GALVANIZED ADJUSTABLE TURNBUCKLE FOR 3/8" DIAMETER TRUSS ROD.
- 5 3/8" DIAMETER GALVANIZED STEEL ADJUSTABLE TRUSS ROD. TRUSS RODS REQUIRED FOR ALL GATE POST PANELS, END OR CORNER POST PANELS.
- 6 1/8" THICK GALVANIZED STEEL STRETCHER BAR TENSION BAND AT 12" MAXIMUM SPACING. MINIMUM OF 5 TENSION BANDS FOR EACH 6' POST SECTION.
- 7 GALVANIZED RAIL ENDS.
- 8 CONCRETE FOOTING, TYPICAL.
- 9 HEAVY-DUTY MALLEABLE IRON HINGES
- 10 GALVANIZED STEEL PIPE SLEEVE FOR GATE DROP ROD.
- 11 LOCKABLE FORK LATCH
- 12 CENTER GATE DROP POST AND LATCH
- 13 INSTALL GATE HOLDBACK FOR ALL GATES.
- 14 7 GAUGE (0.180" DIA) GALVANIZED STEEL TENSION WIRE.
- 15 3/8" x 6" GALVANIZED HOOK BOLT WITH NUT, EMBEDDED IN CONCRETE MOWSTRIP MIDWAY BETWEEN POSTS.

OPEN FABRIC CHAIN LINK FENCE AND GATE NOTES:

1. GATE FRAME SHALL BE 2" O.D. GALVANIZED STEEL (2.72 LB/FT).
2. FENCE FABRIC SHALL BE 2" X 2" MESH X 9 GAUGE GALVANIZED FENCE FABRIC WITH KNUCKLED TOP AND BOTTOM SELVAGE. FENCE FABRIC TO BE GALVANIZED BEFORE WEAVING (GBW).
3. ALL FENCES ADJACENT TO ATHLETIC FIELDS, COURTS, BALLFIELDS, OR RUNNING TRACKS SHALL HAVE 1.66" O.D. BOTTOM RAILS INSTEAD OF TENSION WIRE.
4. MATCH OWNER'S LOCKSET GATE HARDWARE AND KEYING SYSTEM FOR ALL KEYED GATES.
5. WALK GATE POST SIZE LIMITED TO 6 FOOT WIDTH OR LESS. SEE DRIVE GATE SIZING FOR LARGER LEAF WIDTHS.
6. DOUBLE TRUSS RODS ARE REQUIRED IN PANELS ADJACENT TO GATE POSTS AND AT ALL FENCE CORNERS AND END PANELS.
7. ALL GATE CORNERS AND SUPPORT POINTS SHALL BE FASTENED TOGETHER AND REINFORCED WITH MALLEABLE IRON FITTINGS DESIGNED FOR THAT PURPOSE. WELDED CONNECTIONS WILL NOT BE ALLOWED.
8. TACK WELD ALL GATE HINGES AND LATCH COLLARS TO POST.
9. ALL AREAS AFFECTED BY WELDING, TRIMMED ENDS OF BOLTS, STRETCHER BARS, TRUSS RODS OR ANY EXPOSED STEEL SHALL BE PAINTED (GALVANIZED) PER CONTRACT SPECIFICATIONS.
10. CONTRACTOR TO PROVIDE AND INSTALL GATE HOLDBACK FOR EACH GATE. HOLDBACK TO BE INSTALLED IN FENCE MOWSTRIP UNLESS OTHERWISE NOTED.

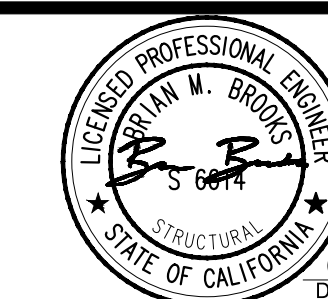
CHAIN LINK FENCE SIZING SCHEDULE - OPEN FABRIC

FENCE HEIGHT	END, ANGLE, CORNER POSTS			LINE POSTS			SINGLE LEAF MAN GATE POSTS			DOUBLE GATE POSTS			COMMENT
	POST DIAMETER	FOOTING DIAMETER	FOOTING DEPTH	POST DIAMETER	FOOTING DIAMETER	FOOTING DEPTH	POST DIAMETER	FOOTING DIAMETER	FOOTING DEPTH	POST DIAMETER	FOOTING DIAMETER	FOOTING DEPTH	
6'	2-7/8" O.D.	12"	4'-0"	2-3/8" O.D.	12"	3'-3"	2-7/8" O.D.	12"	4'-0"	6" O.D.	15"	5'-0"	1.66" O.D. TOP RAIL SCHEDULE 40

E CHAIN LINK FENCE AND GATES
X101B NOT TO SCALE



04/28/2022
Date Signed:



04/28/2022
Date Signed:

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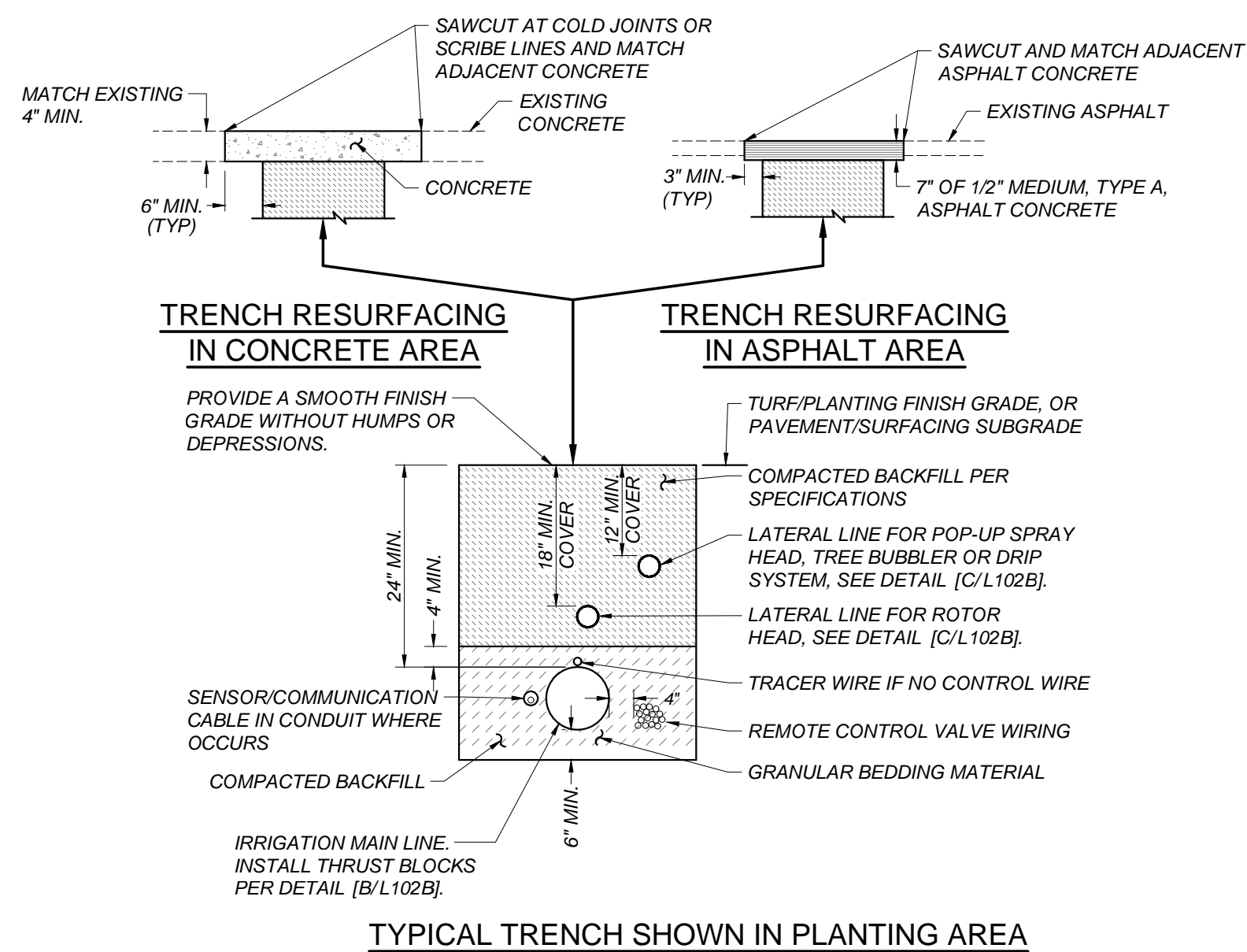
REF. & REV.

CLOVIS UNIFIED SCHOOL DISTRICT

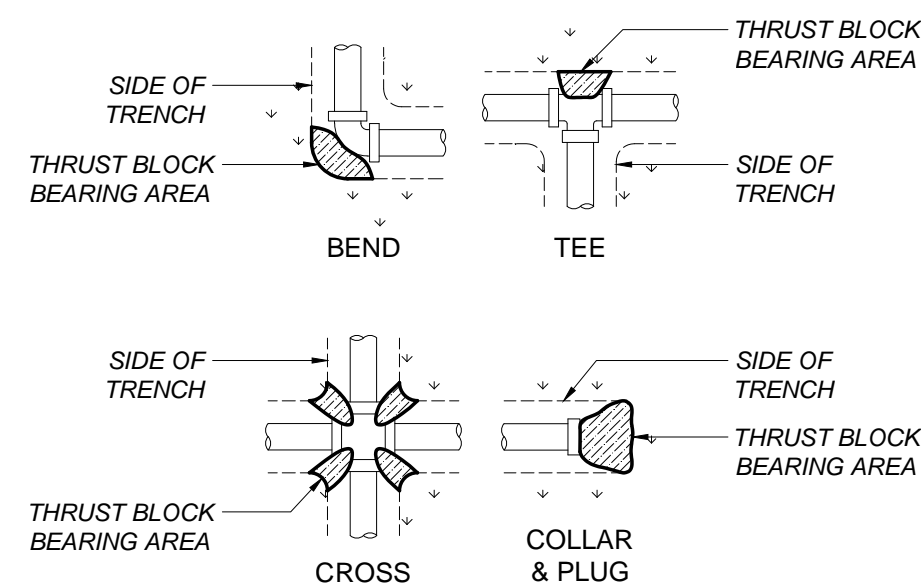
PORTABLE ADDITIONS
BORIS ELEMENTARY SCHOOL
DETAILS

CONST. DOCUMENTS

DR. BY: DG
CH. BY: LRB
DATE: 04/28/2022
SCALE AS NOTED
X101B



A IRRIGATION TRENCH BACKFILL
 L102B NOT TO SCALE

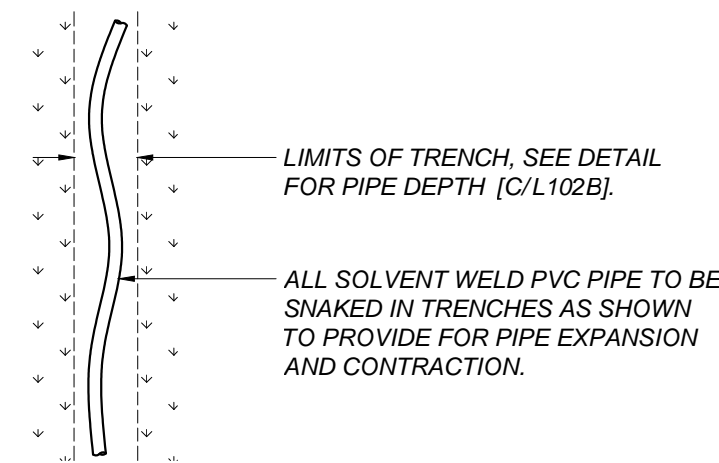


NOTE: CONCRETE PER SPECIFICATIONS. THRUST BLOCKS NOT REQUIRED WITH LESS THAN 2" MAIN LINE

TABLE OF BEARING AREAS REQUIRED (IN SQUARE FEET)

PIPE DIAMETER	4"	6"	8"	10"	12"
CROSS, TEE, 90° BEND, PLUG, FIRE HYDRANT	1	3	5	8	11
45° BEND	1	2	3	4	6
22-1/2° BEND	0.5	1	2	2	3
11-1/4° BEND	0	0	1	1	2
GATE VALVE (IN-LINE)	0	1	2.5	4	9

B CONCRETE THRUST BLOCKS
 L102B NOT TO SCALE

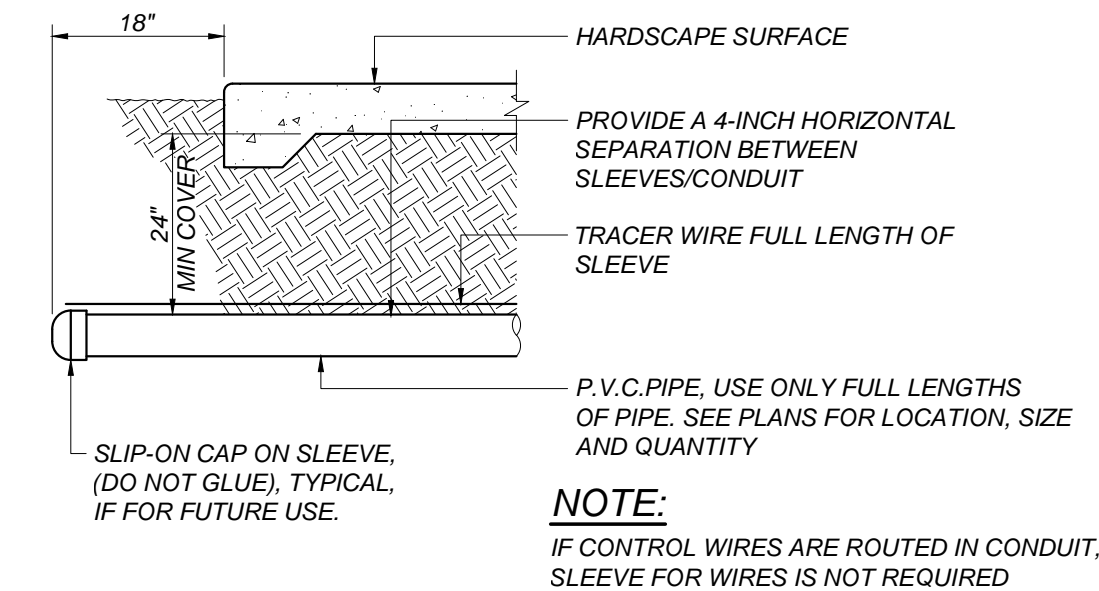


C SOLVENT WELD PIPE
 L102B NOT TO SCALE

CONDUITS/SLEEVE FOR CONTROL WIRE

CONDUIT/SLEEVE SIZE	QTY. 14 GA. WIRE
1"	8 OR LESS
1-1/4"	15
1-1/2"	20
2"	32
2-1/2"	45
3"	70
4"	120

NOTE: SLEEVE FOR PIPE IS 2X THE PIPE DIAMETER



D IRRIGATION SLEEVE/CONDUIT
 L102B NOT TO SCALE

WATER EFFICIENT LANDSCAPE WORKSHEET
 Educational - DSA PR 15-03

Project: Portable Additions at Boris Elementary School
 Location: 7071 E Clinton Ave, Fresno, CA 93727
 ETo Reference (MWELO-Apdx. A): Fresno

MAWA = MAXIMUM APPLIED WATER ALLOWANCE (1,000 GALLONS)

TOTAL NEW BUILDING FOOTPRINT	2,000 SF	(1,600 sf is threshold for inclusion)
75% OF BLDG. SF REQ'D LANDSCAPE	1,500 SF	
EXIST. IRRIGATION REMOVED FROM SERVICE	2,986 SF	
REGULAR LANDSCAPE AREA	0 SF	(landscape area >500 sf)
SPECIAL LANDSCAPE AREA (SLA)	0 SF	
TOTAL PROPOSED LANDSCAPE AREA (LA)	0 SF	
TOTAL COMPLIANT LANDSCAPE AREA	2,986 SF	

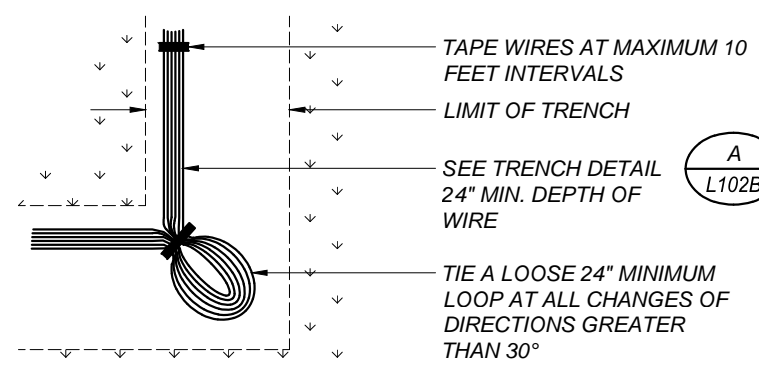
NORMAL YEAR REFERENCE	ANNUAL
EVAPOTRANSPIRATION (ETo)	51.1
EFFECTIVE PRECIPITATION (25% OF ANNUAL)	0.0
ADJUSTED EVAPOTRANSPIRATION	51.1

MAWA=(ETo) x (0.62) [(0.65 x LA)+(0.35 x SLA)]	ANNUAL	2015 DWR/DSA Update
MAX. APPLIED WATER ALLOWANCE	10.8	K Gallons
TOTAL IN ACRE/FT	0.0	
TOTAL IN CCF	14.5	

ETWU = ESTIMATED TOTAL WATER USE (1,000 GALLONS)

LANDSCAPE HYDROZONE TYPES	342 HA	PF	IE	ETAF
MIXED PLANTING (L)	0 SF	0.3	0.81	0.37
MIXED PLANTING (M)	0 SF	0.5	0.81	0.62
WARM-SEASON TURFGRASS (MH)	0 SF	0.6	0.75	0.80
SLA - RECREATIONAL/RECYCLED WATER USE	342 SF	0.6	0.75	0.80
AVERAGE REGULAR ETAF:				0.09
MAXIMUM AVERAGE REGULAR ETAF:				0.65
ETWU=(ETo) x (0.62) x [(HA x PF/IE) + SLA]	ANNUAL	typical IE coefficients		
MIXED PLANTING (L)	0.0	0.75 overhead sprinklers		
MIXED PLANTING (M)	0.0	0.81 drip & bubblers		
WARM-SEASON TURFGRASS (M)	0.0			
SLA - RECREATIONAL/RECYCLED WATER USE	8.7			
ESTIMATED TOTAL WATER USE	8.7	K Gallons		
TOTAL IN ACRE/FT	0.0			
TOTAL IN CCF	11.6			

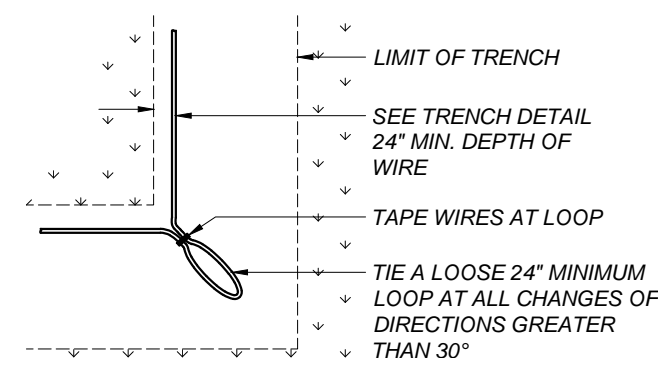
ETWU AS A PERCENT OF MAWA: 80%



NOTES:

- TRADITIONAL WIRES UNDER PAVEMENT OR WALKS SHALL BE INSTALLED WITHIN A CONDUIT WHICH HAS BEEN PLACED BY BORING, JACKING OR DRILLING. CONDUIT TO BE PVC SCH 40 TYPE II PIPE. WIRES SHALL NOT BE TAPED TOGETHER INSIDE THE CONDUIT.
- NO SPLICES ARE ALLOWED BETWEEN POINTS OF CONNECTIONS.
- A VALVE BOX MUST BE PROVIDED AT ALL UNDERGROUND SPLICE CONNECTIONS.
- HOT - RED
COMMON - WHITE
SPARE HOT - BLACK
SPARE COMMON - BLUE
TRACER WIRE - GREEN

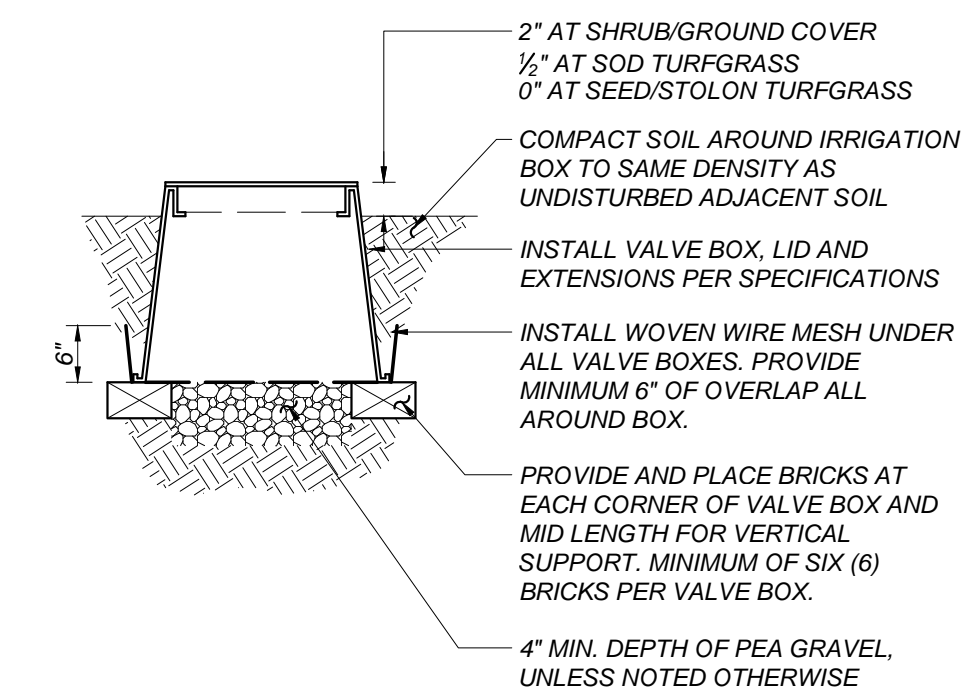
E CONTROL WIRE
 L102B NOT TO SCALE



NOTES:

- TWO-WIRE UNDER PAVEMENT OR WALKS SHALL BE INSTALLED WITHIN A CONDUIT PVC SCH. 40 TYPE II PIPE CONDUIT.
- SPLICES ARE ALLOWED ONLY WITH DBRY-6 CONNECTORS.
- A VALVE BOX MUST BE PROVIDED AT ALL UNDERGROUND SPLICE CONNECTIONS.
- SEE TWO-WIRE DECIDER SYSTEM NOTES.

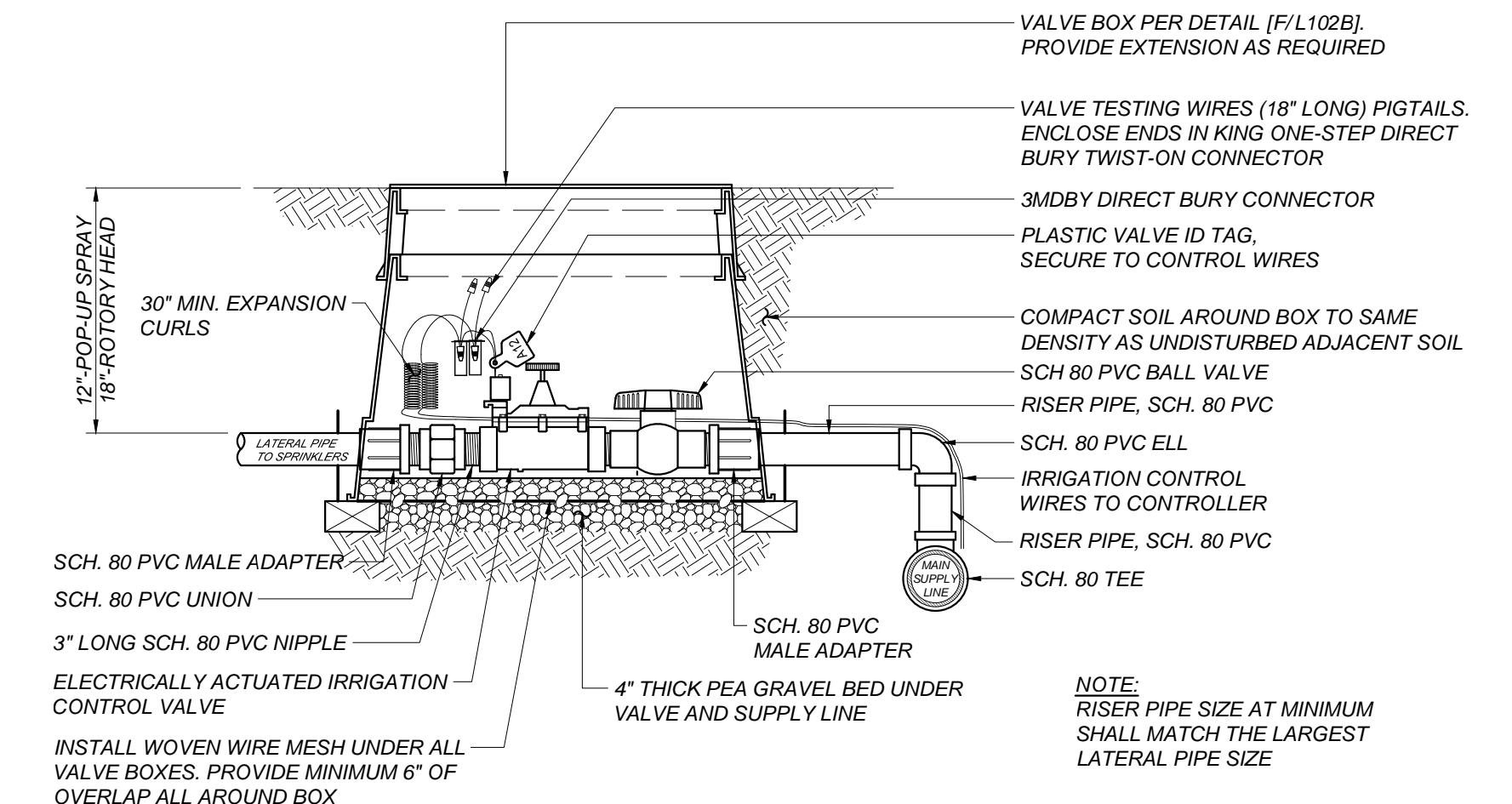
F IRRIGATION VALVE BOX
 L102B NOT TO SCALE



NOTE:

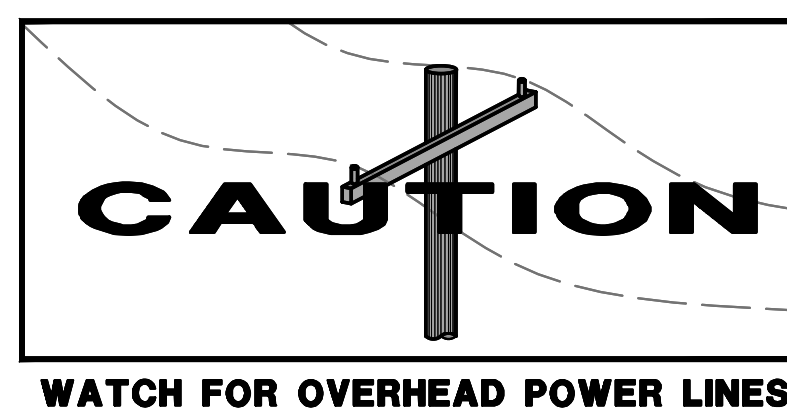
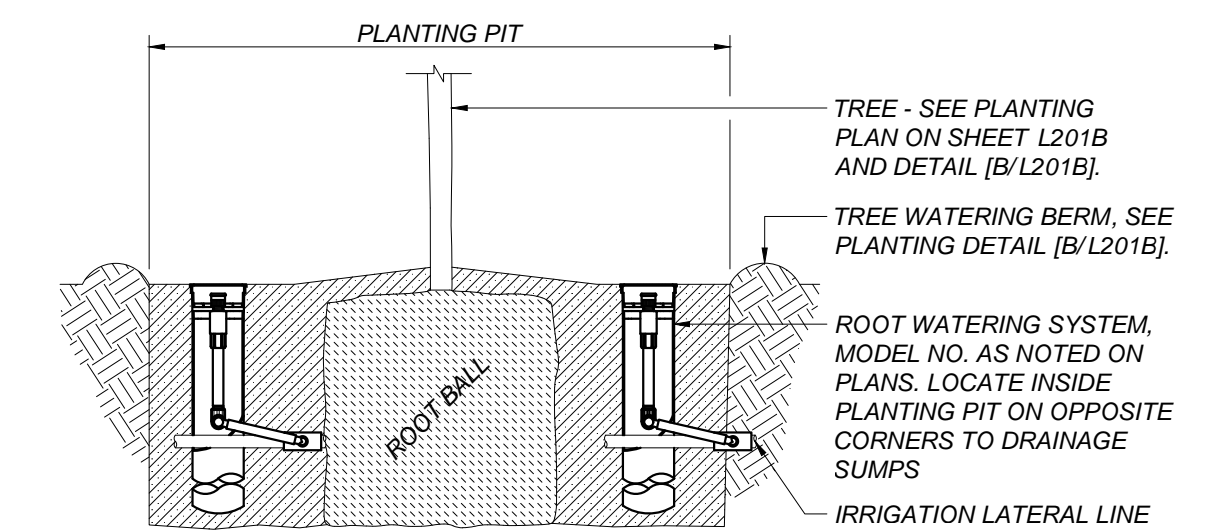
PROVIDE A TRAFFIC RATED CONCRETE BOX AND LID FOR ANY BOX LOCATED IN HARDSCAPE PAVEMENT AND SET FLUSH TO FINISHED SURFACE. PROVIDE A 6"x6" CONCRETE COLLAR AROUND THE BOX IF LOCATED IN ASPHALTIC CONCRETE.

G REMOTE CONTROL VALVE WITH BALL VALVE - GLOBE
 L102B NOT TO SCALE



H POP-UP ROTOR
 L102B NOT TO SCALE

I ROOT WATERING SYSTEM
 L102B NOT TO SCALE



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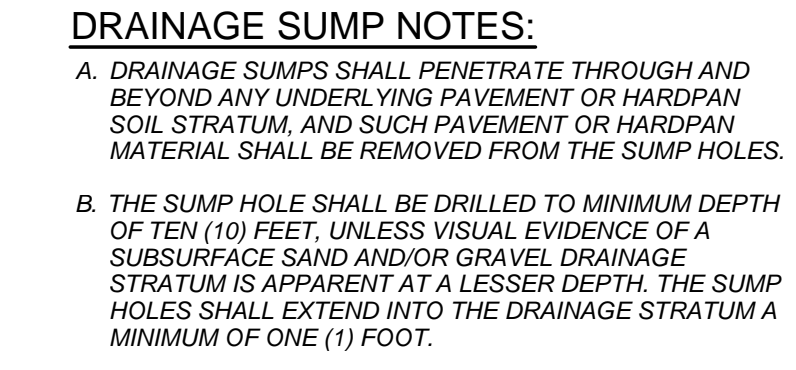
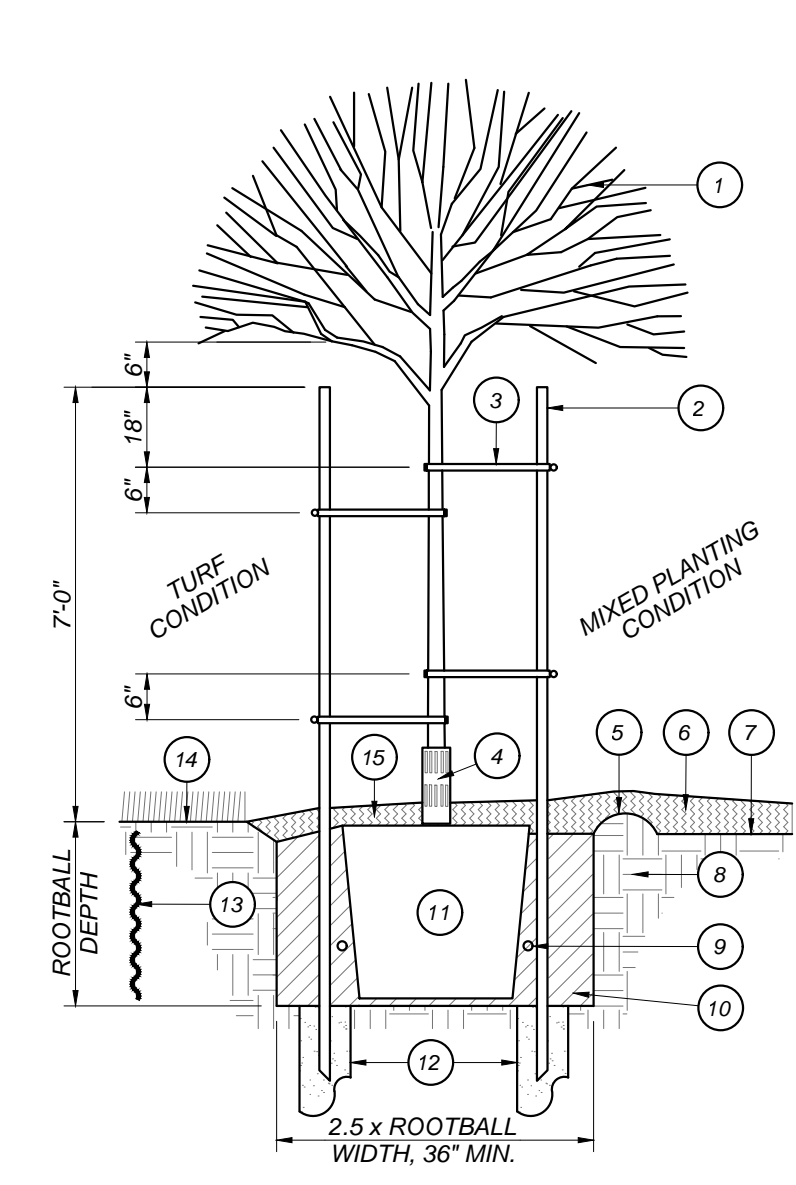
CONSULTANT REF. & REV.
CLOVIS UNIFIED SCHOOL DISTRICT
 PORTABLE ADDITIONS
 BORIS ELEMENTARY SCHOOL
 IRRIGATION DETAILS
 CONST. DOCUMENTS
 DR. BY: GB
 CH. BY: DWB
 DATE: 04/29/2022
 SCALE AS NOTED
L102B

CLOVIS USD SPECIAL NOTES:

- 1. ALL TREES, SHRUBS AND GROUND COVER PLANTS, EXCEPT FOR TURFGRASS, SHALL BE OBTAINED FROM ONE OR MORE OF THE FOLLOWING NURSERIES: A. BELMONT NURSERY... B. H & E NURSERY... C. MCCALL'S NURSERY... D. GREEN HILLS NURSERY...

PLANTING NOTES:

- 1. IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE IF IT IS OBVIOUS THAT OBSTRUCTIONS OR STRUCTURES, IRRIGATION SYSTEM MALFUNCTION, EXISTING TREES OR PLANTS, GRADE DIFFERENCES OR CHANGES IN THE SITE PLAN ARE PRESENT THAT WILL IMPACT THE PLANTING DESIGN...



LEGEND:

- 1. TREE PER PLANTING PLAN. 2. 2" X 10" LODGEPOLE PINE STAKE. DO NOT DRIVE STAKE THROUGH ROOTBALL. CUT OFF TOP SECTION DAMAGED BY HAMMERING... 3. FLEXIBLE VINYL TREE TIE, 4/ TREE (V.I.T. OR APPROVED EQUAL.)...

B MULCH DETAIL L201B NOT TO SCALE

C TURF SOD INSTALLATION L201B NOT TO SCALE

NOTE: IF THE EXISTING TURFGRASS FINISH GRADE IS HIGHER OR LOWER THAN THE NEW FINISH SURFACE, TRANSITION GRADE THE NEW SOD AT A MAXIMUM 1V:12H SLOPE

LANDSCAPE SHADE CALCULATIONS TABLE. Includes columns for SITE SHADING - LANDSCAPE & HARDSCAPE, QUANTITY PROPOSED (SF), PERCENT REQUIRED, SHADE AREA REQUIRED (SF), PROVIDED SHADE AREA, and NO. TREES.

TREE SIZE AND QUALITY STANDARDS TABLE. Lists container sizes (15 GALLON, 24" BOX, etc.), min/max caliper, height ranges, and quality requirements for different tree types.

LANSCAPE PLANTING AREA REQUIREMENT:

Table with 2 columns: Requirement Description and Area (SF). Includes NEW BUILDING FOOTPRINT (2,000 SF), REQUIRED MWELO COMPLIANT PLANTING (1,500 SF), etc.

CONTRACTOR SPECIAL PLANTING NOTES:

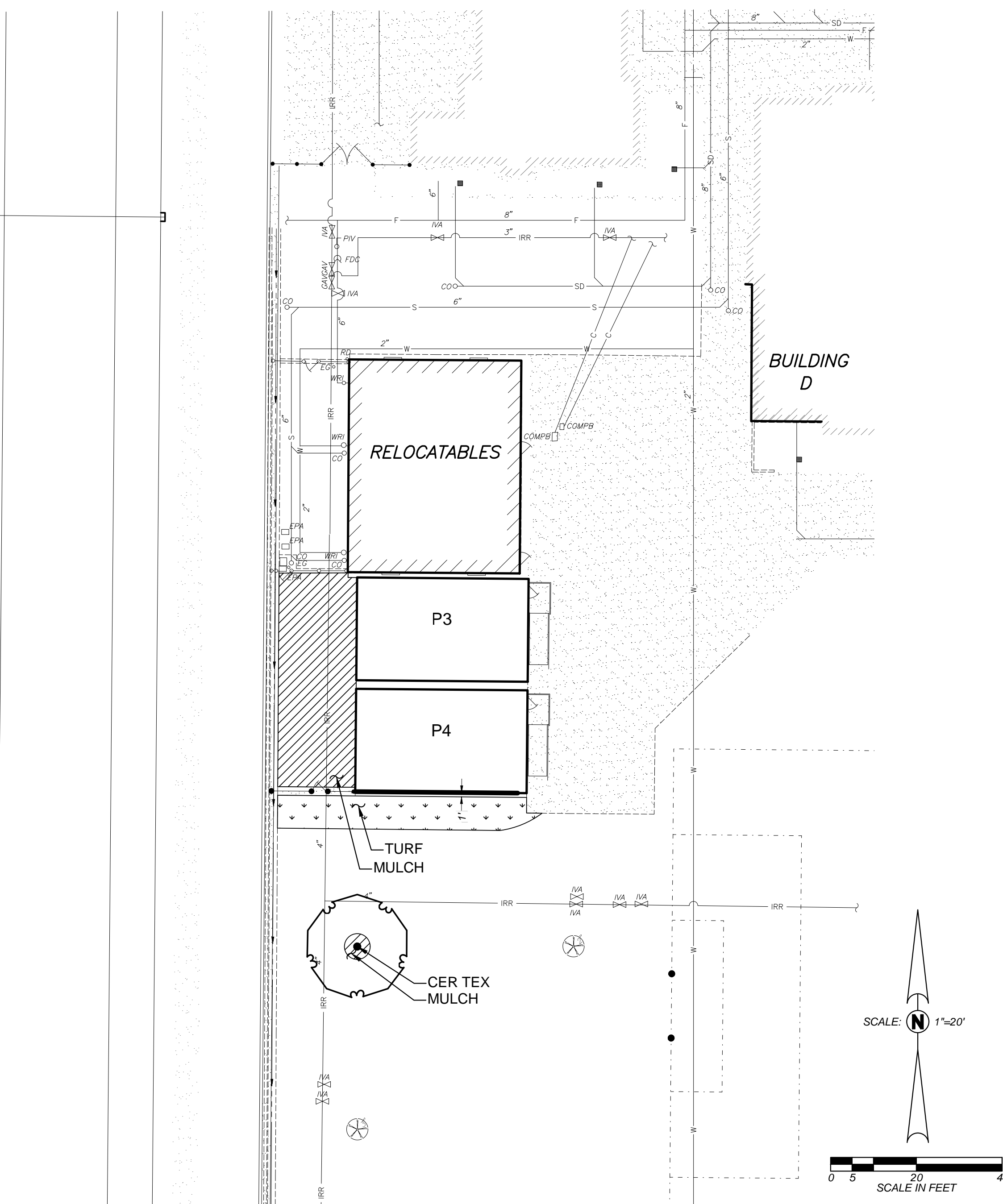
- 1. AN ASSESSMENT AND VALUATION OF ONSITE EXISTING TREES SCHEDULED TO REMAIN IN THE AREA OF WORK SHALL BE PERFORMED BY THE CONTRACTOR'S ARBORIST PRIOR TO THE START OF CONSTRUCTION OPERATIONS PER THE EXISTING 'LANDSCAPE PROTECTION' SPECIFICATION.

LANDSCAPE PLANTING BID ALLOWANCE:

CONTRACTOR SHALL INCLUDE A BID ALLOWANCE IN THE AMOUNT OF \$1,000 FOR THE REMOVAL AND REPLACEMENT OF EXISTING PLANTS/TURFGRASS AND/OR THE INSTALLATION OF NEW PLANTS/TURFGRASS WHERE NOT SPECIFICALLY SHOWN ON THE DRAWINGS FOR REPLACEMENT OR INSTALLATION.

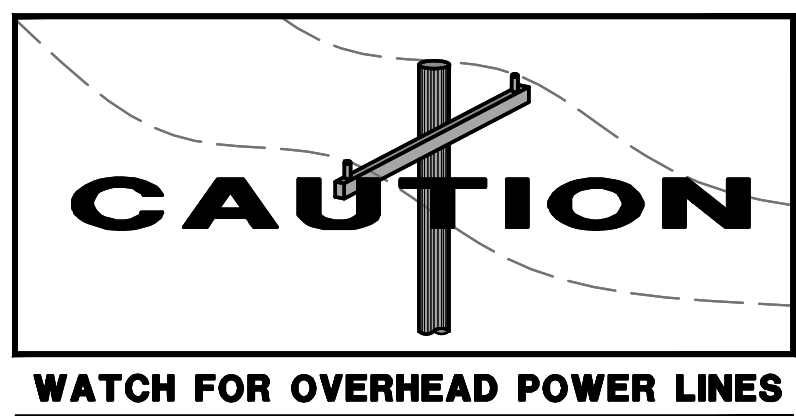
WATER CONSERVATION COMPLIANCE STATEMENT:

I HAVE COMPLIED WITH THE CRITERIA OF THE LANDSCAPE WATER CONSERVATION ORDINANCE AND GUIDELINES, AND HAVE APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE PLANTING DESIGN PLAN.



PLANT LEGEND:

Table with columns: TREES, CODE, BOTANICAL / COMMON NAME, CONT, WATER USE, QTY, DETAIL, REMARKS. Includes CERCIS CANADENSIS and CYNODON DACTYLON.

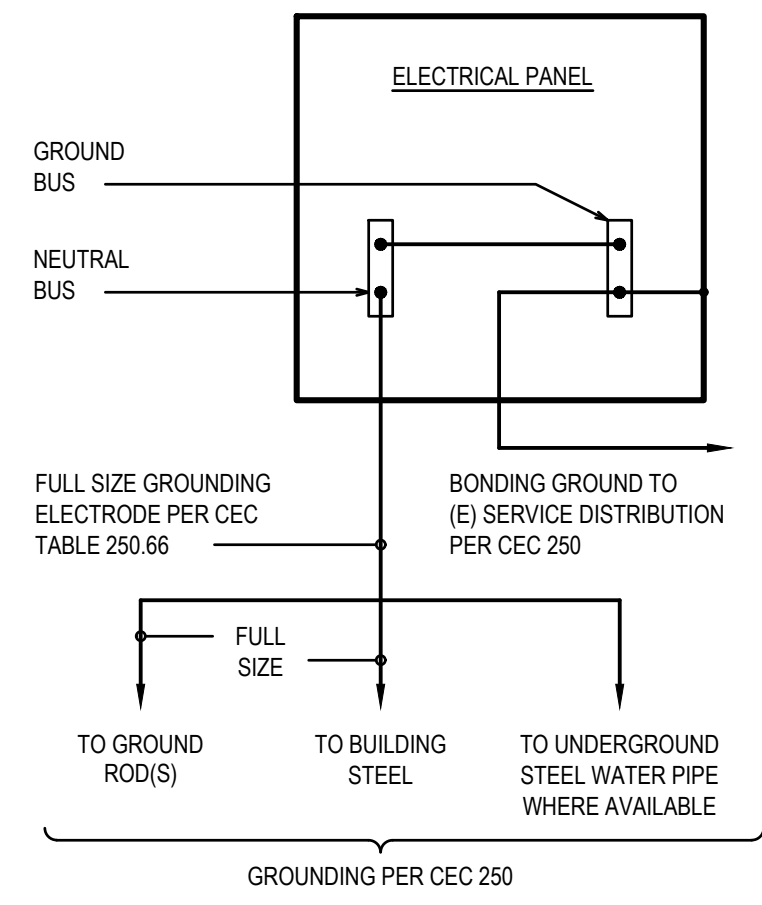


SEE SHEET L102B FOR MWELO CALCS

LANDSCAPE PLANTING OBSERVATION LOG TABLE with columns for ITEM NO., WORK ITEM DESCRIPTION, REVIEWED & ACCEPTED BY OWNER'S REP OR LAND ARCH (PRINT NAME, SIGNATURE, DATE).

Blair, Church & Flynn Consulting Engineers logo and contact information.

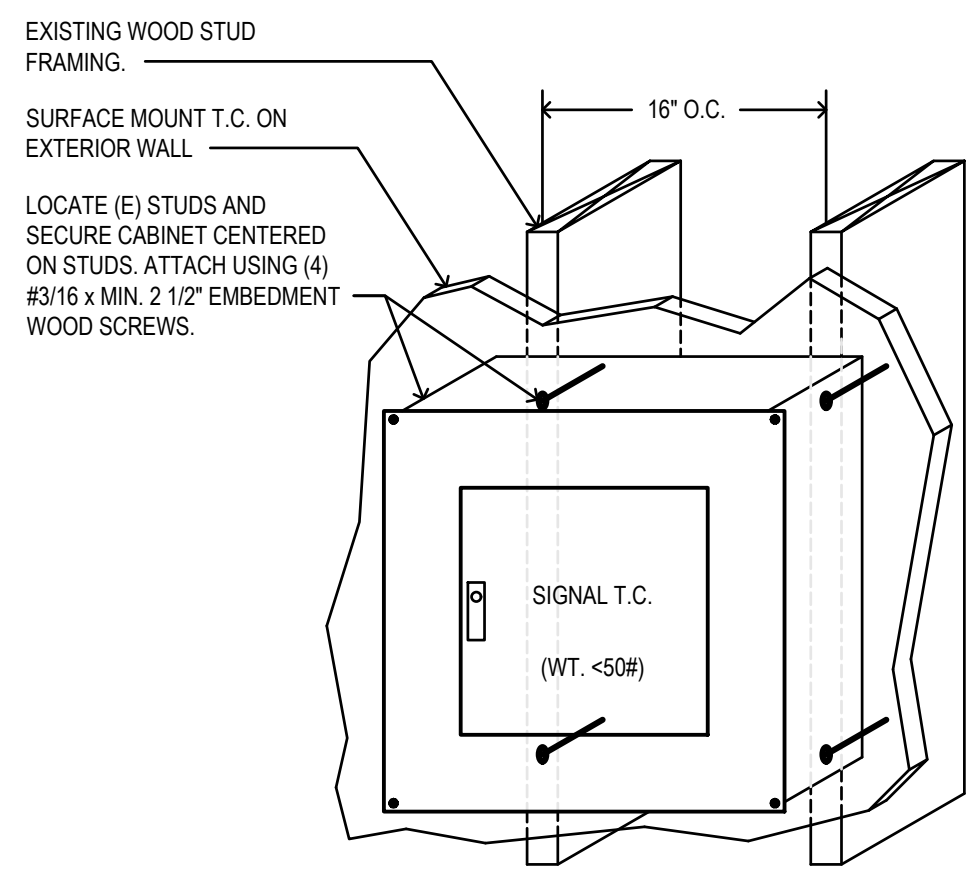
CLOVIS UNIFIED SCHOOL DISTRICT PORTABLE ADDITIONS BORIS ELEMENTARY SCHOOL PLANTING PLAN CONST. DOCUMENTS L201B



PANEL GROUNDING DETAIL

NO SCALE

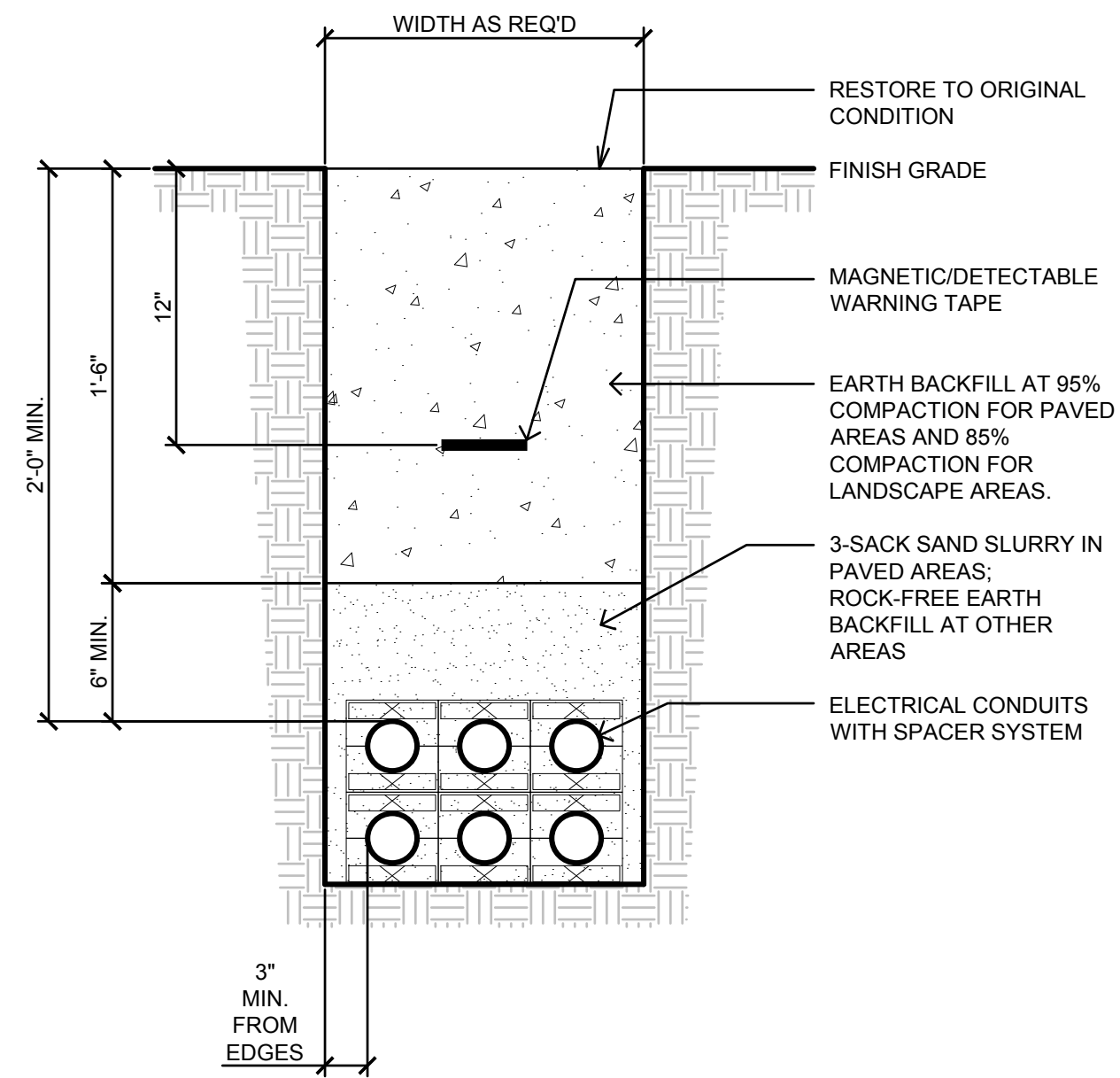
1



TERMINAL CABINET MOUNTING DETAIL

NO SCALE

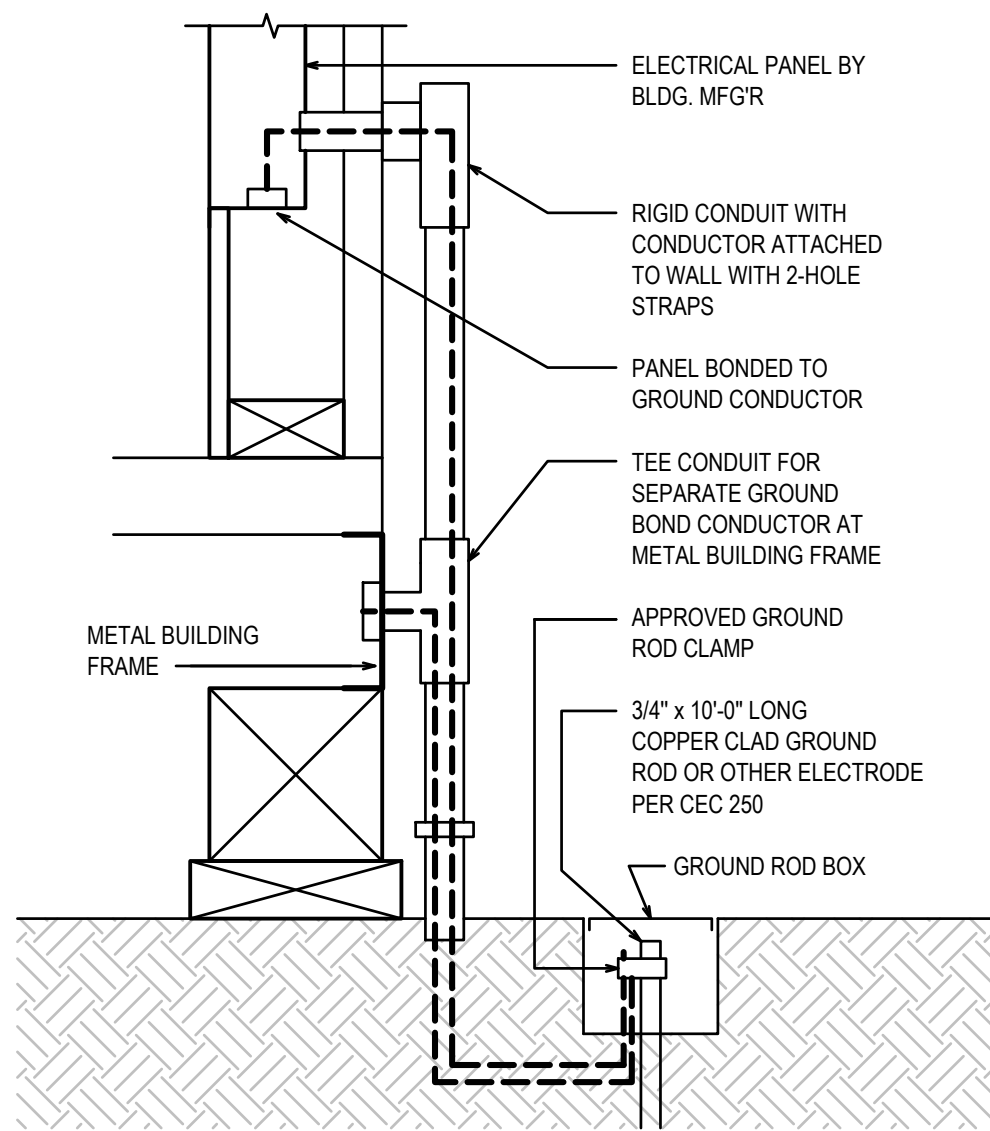
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TRENCHING DETAIL

NO SCALE

6



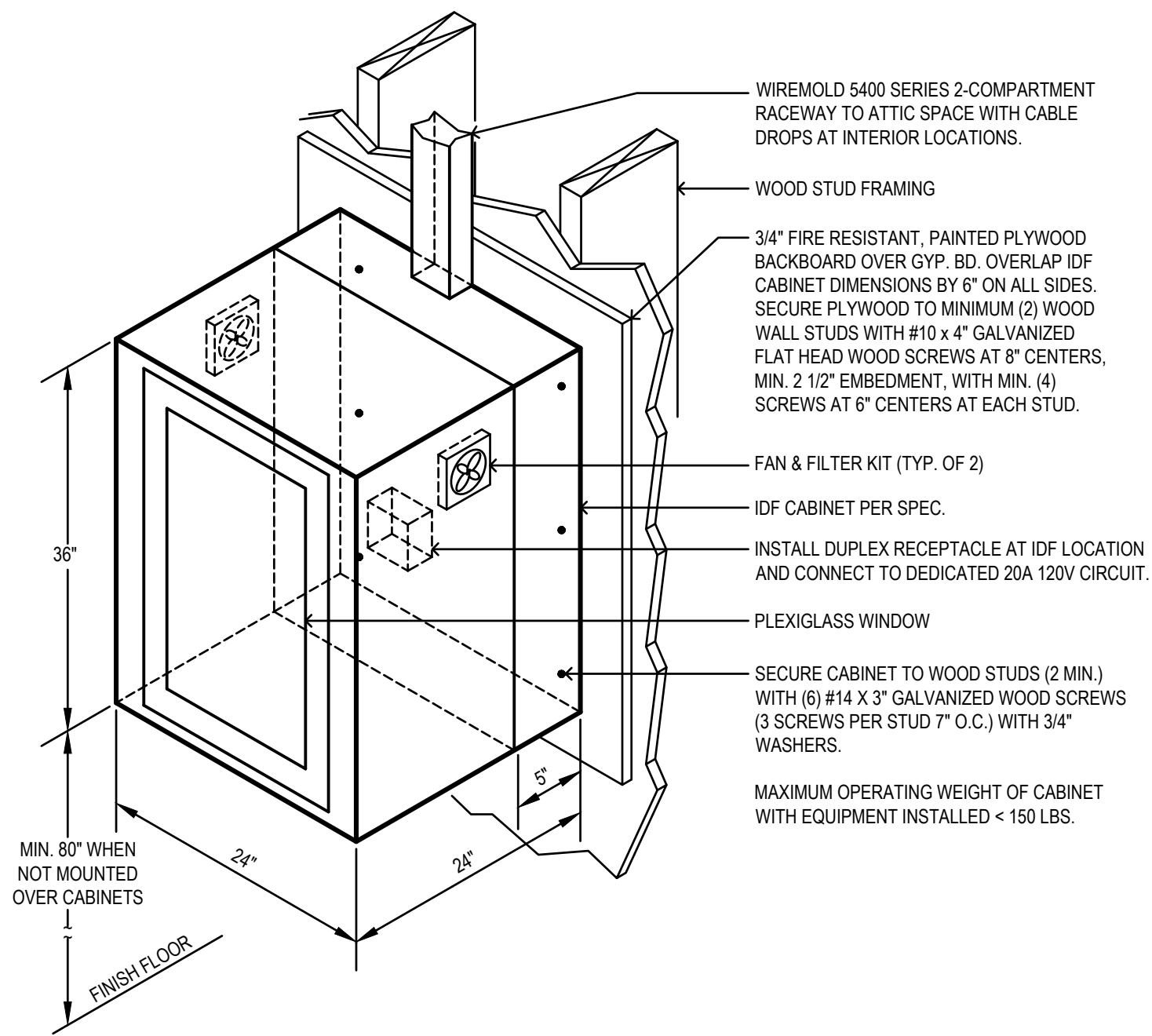
NOTES:

1. ALL GROUNDING SHALL COMPLY WITH CEC 250.
2. GROUNDING ELECTRODE CONDUCTOR SIZE SHALL COMPLY WITH CEC TABLE 250.66.
3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL BUILDING FRAME. IN ADDITION TO THE WORK SHOWN IN THE DETAIL ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPES EMBEDDED AT LEAST 10" INTO THE SOIL, IF AVAILABLE.
4. ALL MODULES OF THE METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED. BOLTING ALONE IS NOT ACCEPTABLE AS BONDING.
5. CHECK RESISTANCE TO GROUND. IF THE RESISTANCE AT ANY POINT EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS UNTIL READING IS LESS THAN 25 OHMS.
6. THE SITE INSPECTOR IS TO VERIFY GROUNDING TESTS. THE CONTRACTOR SHALL SUBMIT A WRITTEN REPORT OF FINDINGS TO D.S.A., SIGNED BY THE INSPECTOR.

GROUND ROD / WELL DETAIL

NO SCALE

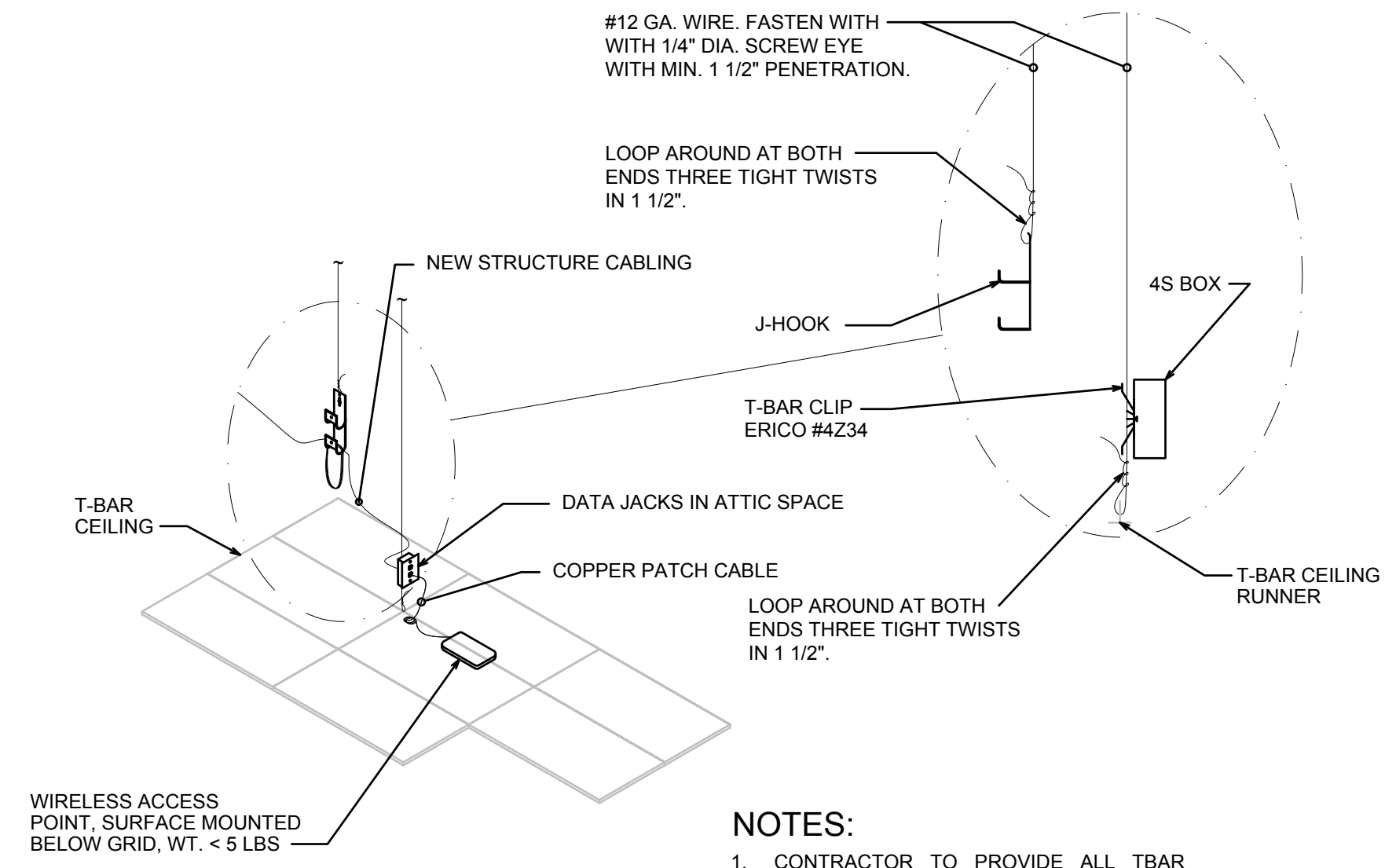
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IDF CABINET MOUNTING DETAIL

NO SCALE

5



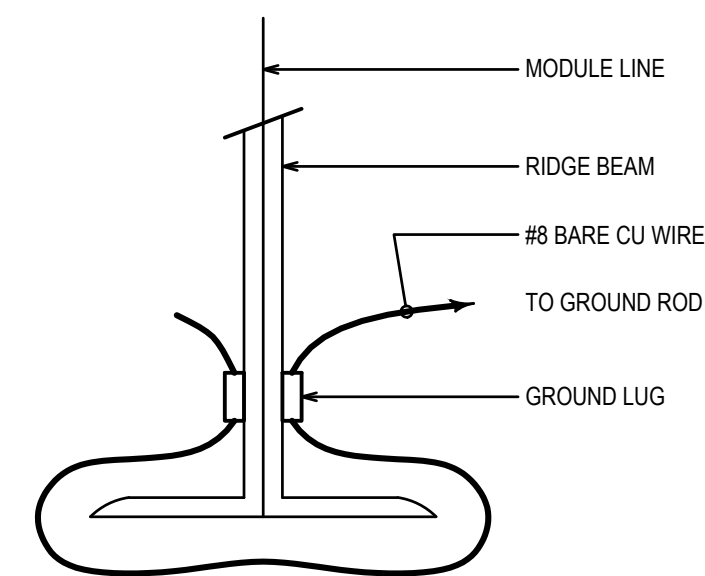
NOTES:

1. CONTRACTOR TO PROVIDE ALL TBAR WIRES AND ATTACHMENTS.
2. PROVIDE STRUCTURED CABLING AS SPECIFIED.
3. REPLACE ANY BROKEN TILES. ALERT OWNER TO ANY DAMAGE PRIOR TO INSTALLATION.

DATA OUTLET AT T-BAR CEILING DETAIL

NO SCALE

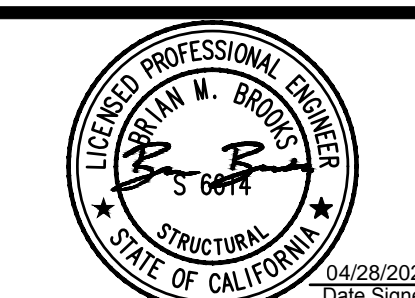
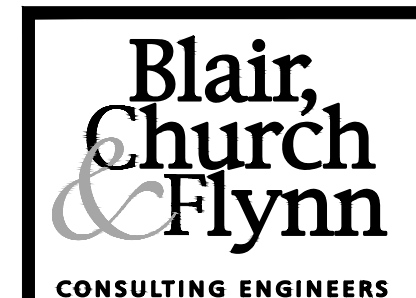
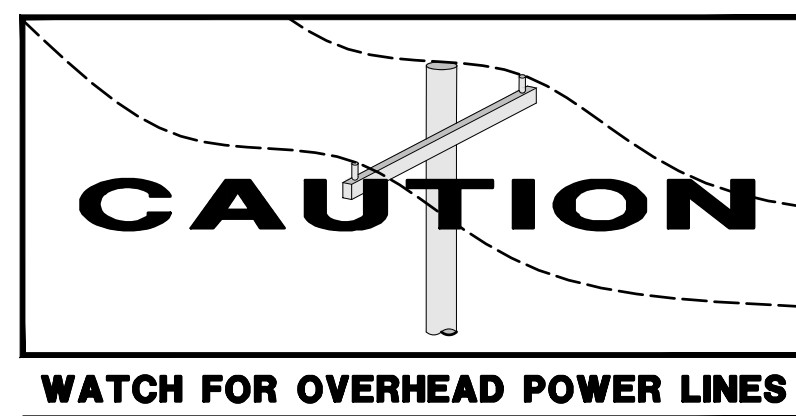
7



MODULE BONDING DETAIL

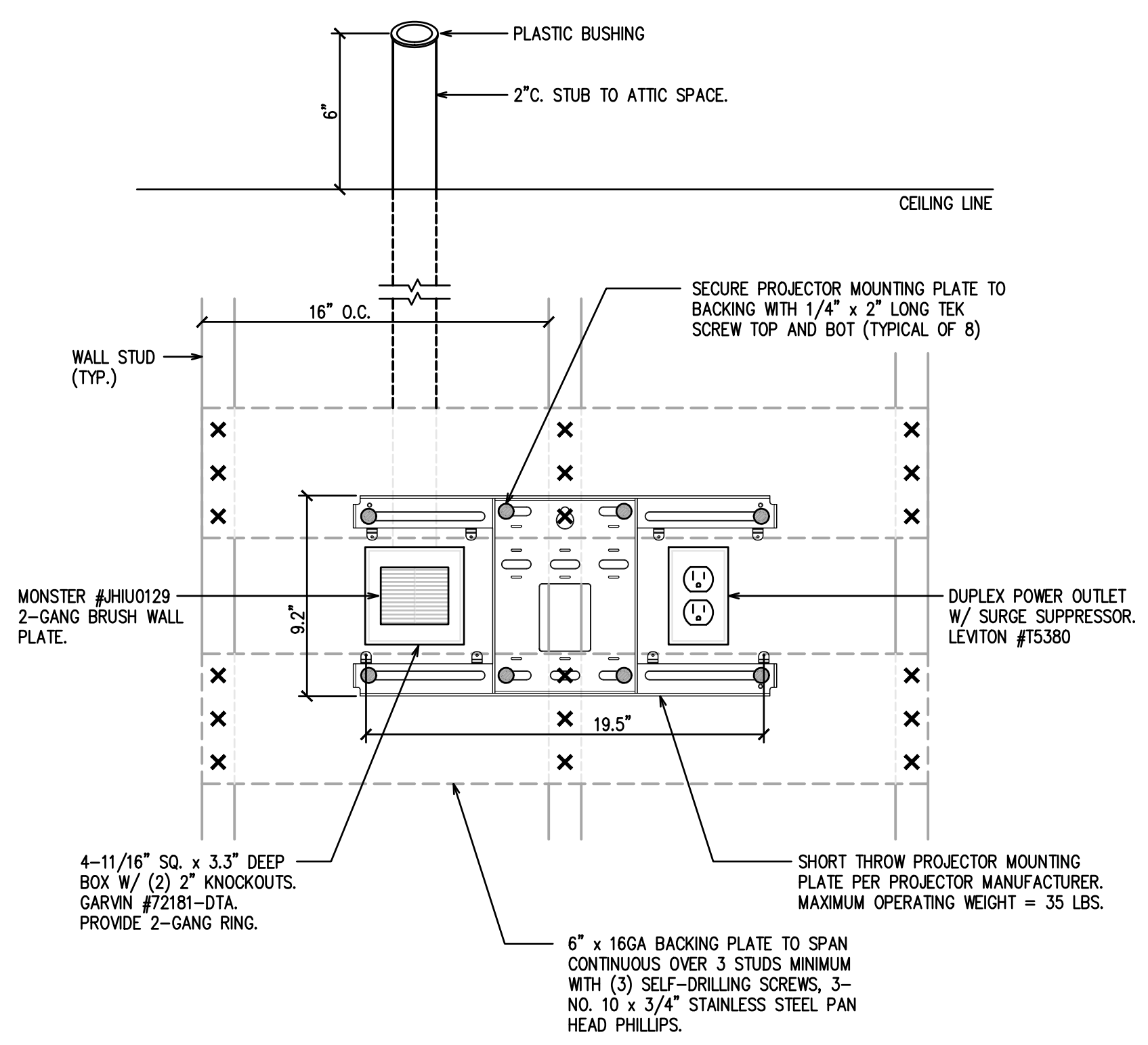
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3

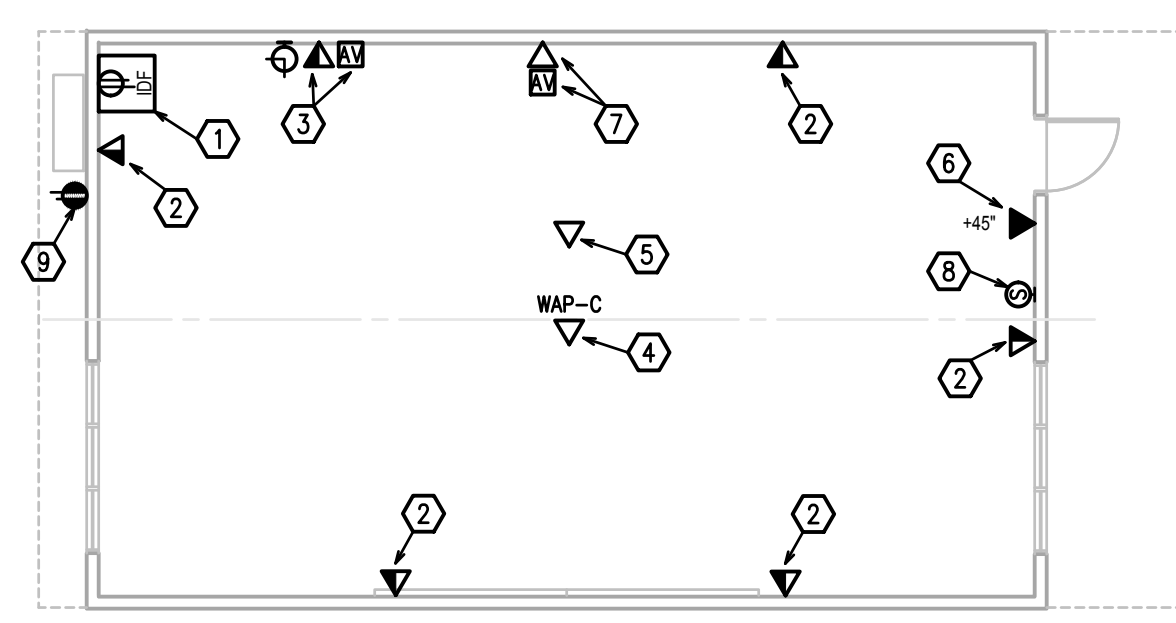


CONSULTANT	REF. & REV.
Blair, Church & Flynn Consulting Engineers 401 Clovis Avenue, Suite 200 Clovis, California 93612 Tel (559) 326-1400 Fax (559) 326-1900	

CLOVIS UNIFIED SCHOOL DISTRICT	
PORTABLE ADDITIONS BORIS ELEMENTARY SCHOOL	CONST. DOCUMENTS
ELECTRICAL DETAILS	E102

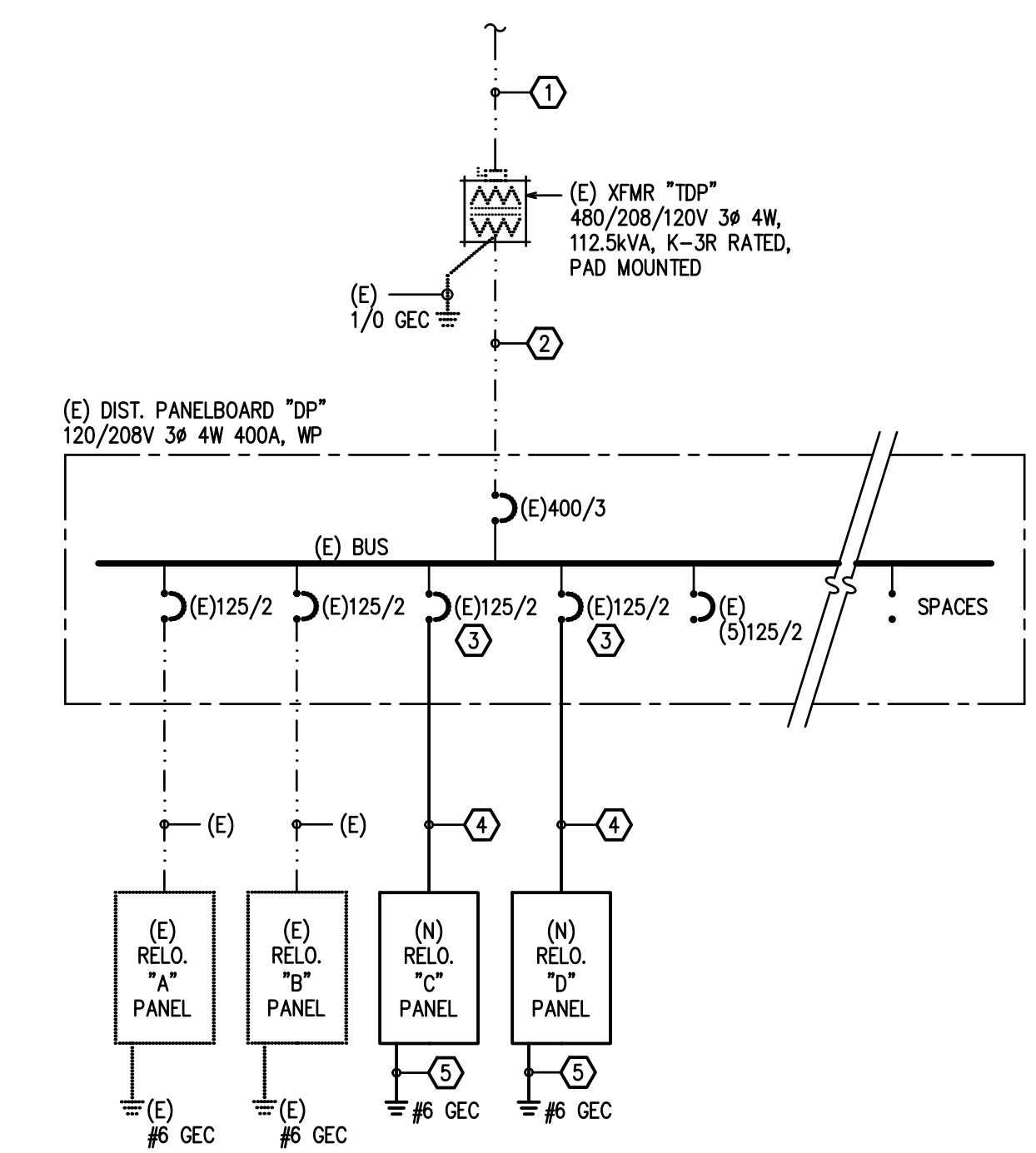


WALL PROJECTOR MOUNTING DETAIL
 NO SCALE



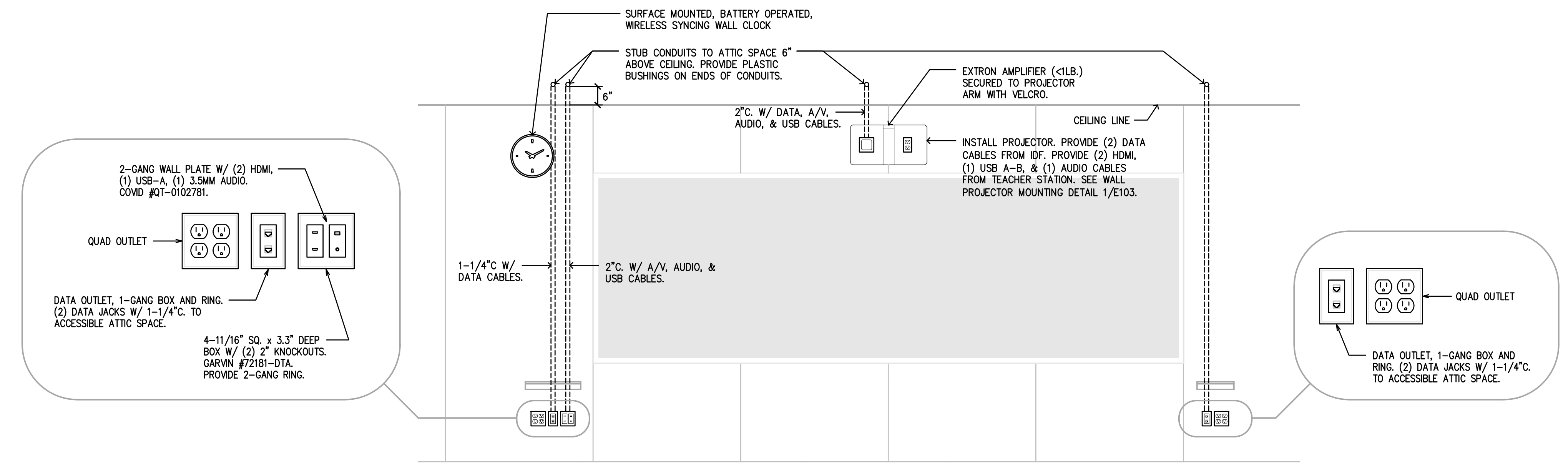
- RELO BUILDING KEY NOTES**
1. PROVIDE IDF AT CORNER ABOVE COUNTER, CATTY CORNER FROM THE DOOR. INSTALL PER DETAIL 5/E102. PROVIDE DUPLEX OUTLET INSIDE CABINET AND DEDICATED 120V 20A CIRCUIT.
 2. PROVIDE INDICATED JACKS AT PRE-INSTALLED BOX BY BLDG. MFG'R AND CONNECT TO IDF.
 3. PROVIDE INDICATED JACKS FOR TEACHER STATION ON SAME WALL AS DOOR, OPPOSITE SIDE OF ROOM.
 4. PROVIDE INDICATED JACKS FOR WIRELESS ACCESS POINT. INSTALL PER DETAIL 7/E102.
 5. PROVIDE INDICATED JACKS FOR FUTURE CEILING PROJECTOR. COIL UP 6 FT. EXTRA CABLE WITH JACK ATTACHED AND SECURE IN ATTIC SPACE.
 6. PROVIDE WALL MOUNTED VOICE JACK FOR VOIP HANDSET AT PRE-INSTALL BOX BY BLDG. MFG'R, ADJACENT TO DOOR.
 7. PROVIDE INDICATED DEVICES FOR WALL MOUNTED PROJECTOR AT PRE-INSTALLED BOXES BY BLDG. MFG'R. MFG'R TO PROVIDE POWER OUTLET. SEE TEACHING WALL ELEVATION, DETAIL 4/E103. INSTALL PROJECTOR MOUNT PER DETAIL 1/E103.
 8. PROVIDE PA SPEAKER AS SHOWN.
 9. PROVIDE WEATHERPROOF GFI OUTLET WITH LOCKABLE COVER ADJACENT TO EXISTING HVAC UNIT. CONNECT TO ADJACENT EXISTING POWER OUTLET.

TYPICAL RELO BUILDING ELECTRICAL PLAN
 SCALE: 1/8" = 1'-0"

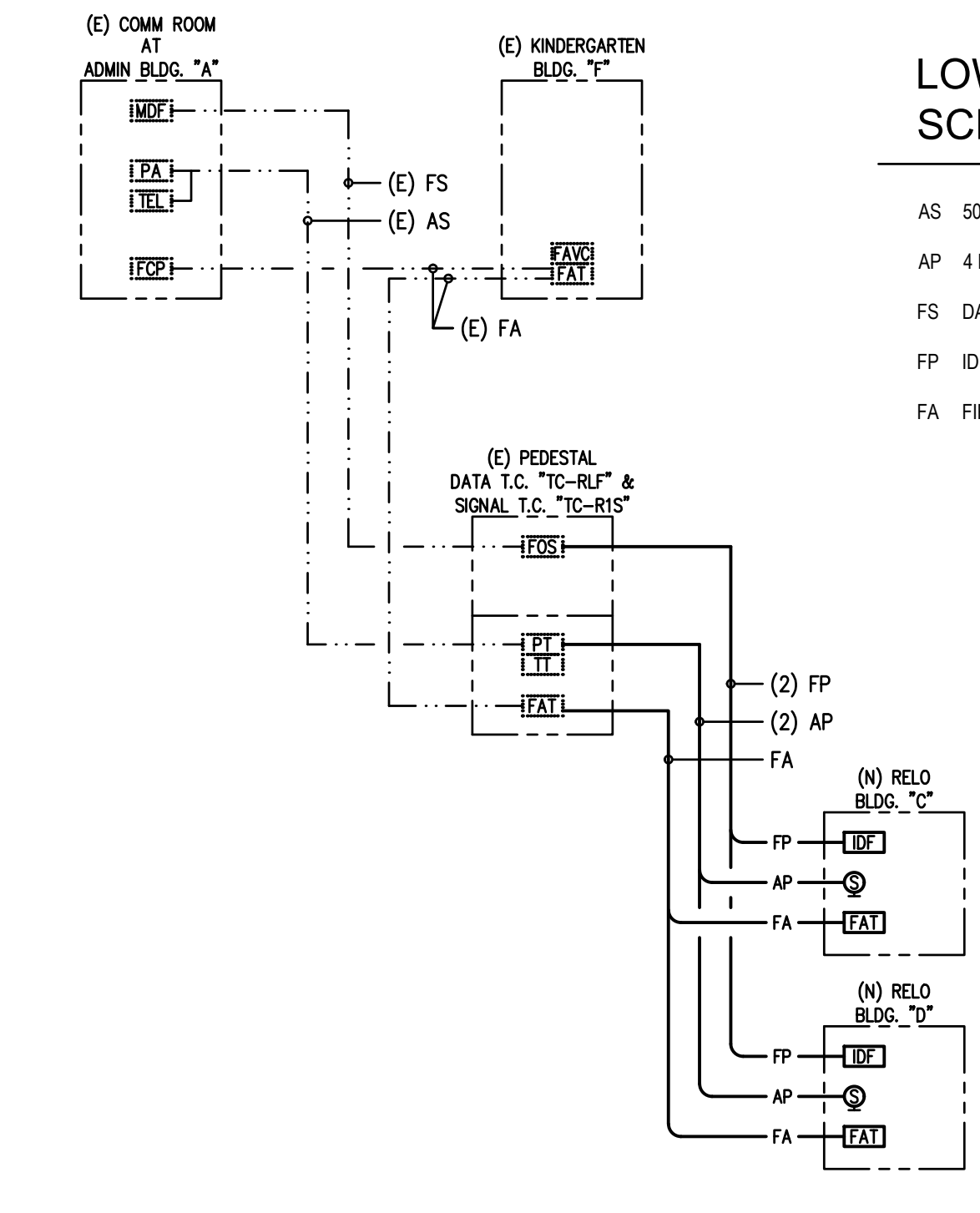


POWER SINGLE LINE DIAGRAM
 NO SCALE

- KEYNOTES**
1. EXISTING 3" C. 3#250, 1#3G. FROM EXISTING MAIN SWITCHBOARD 'MSB'.
 2. EXISTING 4" C. #4500KCMIL, 1#1/0G.
 3. CONNECT TO EXISTING SPARE CIRCUIT BREAKER.
 4. 1 1/2" C. 3#1, 1#6G.
 5. GROUND PER DETAILS 1/E102 & 2/E102. AT RELO BUILDING, BOND BUILDING MODULES TOGETHER PER DETAIL 3/E103.

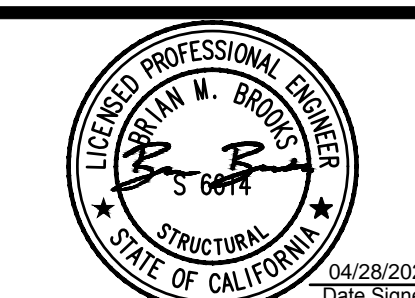
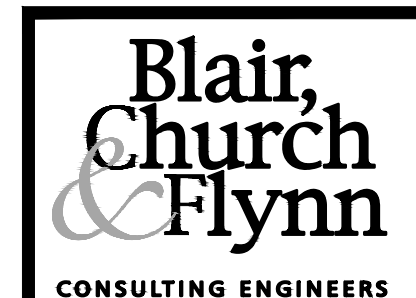
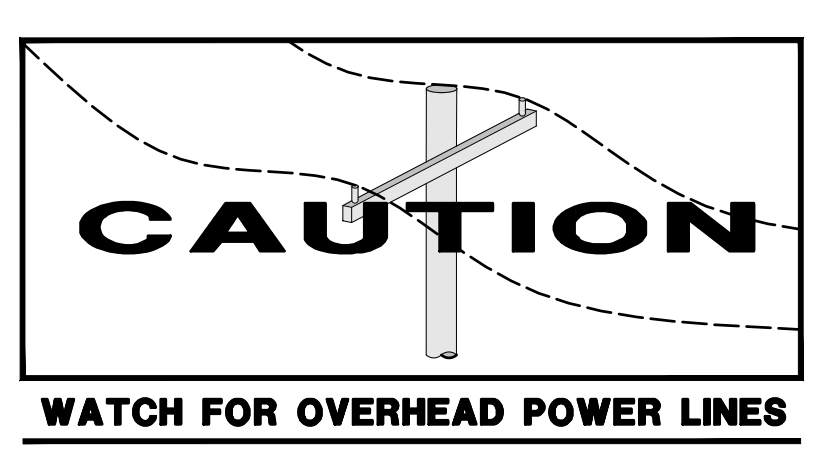


TYPICAL TEACHING WALL ELEVATION
 NO SCALE



SITE COMM/SIGNAL LINE DIAGRAM
 NO SCALE

- LOW VOLTAGE CABLE SCHEDULE**
- AS 50 PAIR CAT3
 - AP 4 PAIR CAT3
 - FS DATA: 72-STR SM FO CABLE PER SPECS
 - FP IDF DATA PATCH CABLE: 6-STR SM FO CABLE PER SPECS.
 - FA FIRE ALARM: SEE FA SHEETS



CONSULTANT	REF. & REV.
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CLOVIS UNIFIED SCHOOL DISTRICT	
PORTABLE ADDITIONS BORIS ELEMENTARY SCHOOL ELECTRICAL LINE DIAGRAMS	CONST. DOCUMENTS
DR. BY: EN CH. BY: SD DATE: 04/21/2022 SCALE: AS NOTED	E103

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 Plot: 04/21/2022 7:25:00 AM

FIRE ALARM GENERAL NOTES:

- FIRE ALARM SYSTEM: ADDRESSABLE, CLASS B, AUTOMATIC.
- ALL WORK SHALL CONFORM TO THE 2016 EDITION OF NFPA 72, AND THE 2019 EDITION OF CBC, CEC, AND CFC.
- INSTALLATION OF THE FIRE ALARM SYSTEM (FAS) SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN APPROVED BY DSA.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR. (THE LOCAL FIRE AUTHORITY MAY WITNESS THE TEST).
- A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR THE 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.
- MICROPHONE ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308.
- WALL MOUNTED VISUAL NOTIFICATION DEVICES SHALL HAVE THEIR ENTIRE LENS WITHIN 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 SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY SPACE WITHIN A BUILDING THAT MAY BE OCCUPIED AND BE INTELLIGIBLE.
- AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN, PRIOR TO "EVAC" ANNOUNCEMENT. THE CARBON MONOXIDE SIGNAL SHALL SOUND A FOUR-PULSE TEMPORAL PATTERN PER NFPA 720, 5.8.6.5.1.
- THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
- VISUAL DEVICES SHALL NOT EXCEED 2 FLASHES PER SECOND AND SHALL NOT BE SLOWER THAN 1 FLASH PER SECOND. THE DEVICE SHALL HAVE A VISUAL LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISUAL DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
- UNDERGROUND AND EXTERIOR CONDUITS SHALL HAVE WATERTIGHT FITTINGS AND WIRE APPROVED FOR WET LOCATIONS.
- ALL FIRE ALARM WIRING SHALL BE FLP OR FFLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THHN OR THWN.
- PER CEC STANDARDS, ALL WIRING SHALL BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE WIRE. ANY CONNECTION SHALL BE BY LUG CONNECTION AT A DEVICE OR AT A FATC TERMINAL BLOCK ONLY. ALL BOXES TO BE SIZED PER CEC.
- SMOKE DETECTORS SHALL NOT BE CLOSER THAN 12" FROM FIRE SPRINKLERS NOR 36" FROM SUPPLY AIR DIFFUSERS. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION, 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. OWNER STANDARDS MAY BE MORE STRINGENT.
- FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS' SPECIFICATIONS. ANY SINGLE DEVICE SHALL NOT 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 LOCKING DEVICE WITH RED MARKING PER NFPA 72, SECTION 10.6.5.4 AND 10.6.5.2.3 TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT THE FIRE PANEL/EXTENDERS.
- THE INSTALLING CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION IN COMPLIANCE WITH NFPA 72, SECTION 7.5.6.
- CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48".
- THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC 901.6.2.

BATTERY CALCULATION

(E) EVAC Network Transponder Panel 'FAVC-F1'

POWER REQUIREMENTS

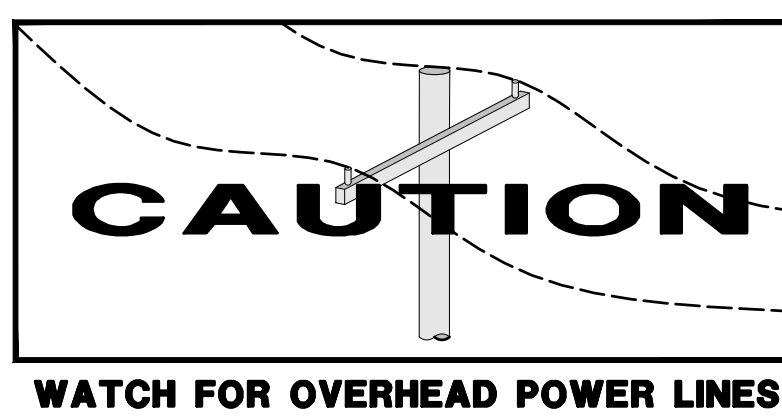
	CURRENT [A]	
	SUPERVISORY	ALARM
(E) IL-MB-E3 (SLCs at max. output)	0.0810	0.1500
(E) LCD-E3 (Panel Display)	0.0240	0.2800
(E) PM-9 (Power Supply)	0.0500	0.0500
(E) RPT-E3-UTP (Network Repeater)	0.0160	0.0170
(E) IN-VG (Voice Gateway)	0.1500	0.1500
(E) AM-50-70 (Amp)	0.0490	2.3000
AUDIO Circuit 1, (E)+(N) devices	-	0.0000
NAC Circuit 1, (E)+(N) devices	-	0.4800
TOTALS	0.3700	3.4270

BATTERY CAPACITY

SUPERVISORY POWER (24 HOURS)	= 24 Hr * 0.37A	= 8.880 AHR
ALARM POWER (15 MINUTES)	= 0.25 Hr * 3.427A	= 0.857 AHR
TOTAL POWER REQUIREMENT	=	9.737 AHR
MINIMUM BATTERY CAPACITY (includes 25% safety factor)	=	13 AHR

FIRE ALARM CALCULATIONS

NO SCALE



1

VOLTAGE DROP CALCULATION

(E) NAC Circuit 'n1', (E)+(N) devices

$VD = \text{Voltage Drop [V]}$
 $I = \text{Current [A] (0.48A)}$
 $K = 12.9 \text{ (Copper Constant)}$
 $L = \text{Distance to Load [ft.] (830')}$
 $CM = \text{Circular Mils (\#12 AWG = 6530)}$
 $V = \text{Voltage [V] (24VDC)}$
 $VD = \frac{K \cdot I \cdot 2L}{CM} = \frac{12.9 \cdot 0.48 \cdot 2 \cdot 830'}{6530} = 1.574 \text{ V}$
 $VD\% = \frac{VD}{24} = 6.6\%$

VOICE EVACUATION SPEAKER VOLTAGE DROP

Volt Drop Common Parameters

Volts: 70.7 Volts
 Wire Size: 14 AWG
 Wire Resistance: 3.26 ohm/Kft

Type	INDOOR				OUTDOOR				CIRCUIT LENGTH		
	1/4 W	1/2 W	1W	2W	1/4W	1/2W	1W	2W	Total Watts	Max Length	Actual Length
Wattage Tap v1 (E)+(N)			4				1		6	15141	840

FIRE ALARM SYMBOLS SCHEDULE:

SYMBOL	NAME	DESCRIPTION	CSFM LISTING
FCP	(E) FIRE ALARM CONTROL PANEL WITH EVAC	GAMEWELL/FCI #E3 SERIES	7165-1703.0125
ANNI	(E) REMOTE ANNUNCIATOR	GAMEWELL/FCI #NGA	7165-1703.0125
MIC	(E) REMOTE PAGING MICROPHONE	GAMEWELL/FCI #NCC-MIC	7165-1703.0125
FAVC	(E) FIRE ALARM NETWORK TRANSPONDER 'FAVC-F'	GAMEWELL/FCI #NX	7165-1703.0125
FAVC	(E) FIRE ALARM NETWORK TRANSPONDER 'FAVC-F1'	GAMEWELL/FCI #NX W/ IL-MB-E3, LCD-E3, IN-VGX, PM-9, AM-50	7165-1703.0125
☉	SMOKE DETECTOR, PHOTOELECTRIC DETECTOR BASE	GAMEWELL/FCI #ASD-PL2F GAMEWELL/FCI #B501	7272-1703.0121 7300-1653.0109
☉	ATTIC HEAT DETECTOR, 190°F DETECTOR BASE	GAMEWELL/FCI #ATD-HL2F GAMEWELL/FCI #B501	7270-1703.0115 7300-1653.0109
☉	SPEAKER/VISIBLE NAC DEVICE, WALL MTD (WATTS & cd INDICATED ON PLANS)	EATON/WHEELLOCK #ELSPSTWC	7320-0785.0505
☉	EXTERIOR SPEAKER, W.P., WALL MTD (WATTS INDICATED ON PLANS)	EATON/WHEELLOCK #ET-1010-R	7320-0785.0105

FIRE ALARM CABLE SCHEDULE:

SYMBOL	NAME	DESCRIPTION
A	SIGNALING LINE CIRCUIT (SLC) CABLE WEST PENN #D990	16/2 TWISTED PAIR, STRANDED, LOW CAPACITANCE FA POWER LIMITED, RISER CABLE (FPLR)
AW	SIGNALING LINE CIRCUIT (SLC) CABLE, OSP WEST PENN #AQC225	16/2 TWISTED PAIR, STRANDED, AQUASEAL FA POWER LIMITED CABLE (FPL)
B	NOTIFICATION APPLIANCE CKT (NAC) CABLE WEST PENN #9985	12/2 TWISTED PAIR, STRANDED FA POWER LIMITED, RISER CABLE (FPLR)
C	EM. VOICE/ALARM COMM. (EVAC) CABLE WEST PENN #HF995	14/2 SHIELDED TWISTED PAIR, STRANDED FA POWER LIMITED CABLE (FPL)
CW	EM. VOICE/ALARM COMM. (EVAC) CABLE, OSP WEST PENN #AQC295	14/2 SHIELDED TWISTED PAIR, STRANDED, AQUASEAL FA POWER LIMITED CABLE (FPL)
D	INITIATING DEVICE CIRCUIT (IDC) CABLE WEST PENN #994S	14/2 TWISTED PAIR, STRANDED FA POWER LIMITED, RISER CABLE (FPLR)
DW	INITIATING DEVICE CKT (IDC) CABLE, OSP WEST PENN #AQC226	14/2 TWISTED PAIR, STRANDED, AQUASEAL FA POWER LIMITED CABLE (FPL)
G	POWER CABLE WEST PENN #998S	12/2 TWISTED PAIR, STRANDED FA POWER LIMITED, RISER CABLE (FPLR)

	INITIATION CONDITION	SMOKE, HEAT DETECTOR	POWER LOSS, SHORT CIRCUIT, GROUND FAULT
ACTION			
ANNUNCIATE TROUBLE			●
ANNUNCIATE ALARM		●	
INITIATE NOTIFICATION APPLICANCES		●	
INITIATE EVAC APPLICANCES		●	
TRANSMIT TO CENTRAL STATION		●	●

FIRE ALARM SEQUENCE OF OPERATION MATRIX

NO SCALE

2

NO SCALE

1



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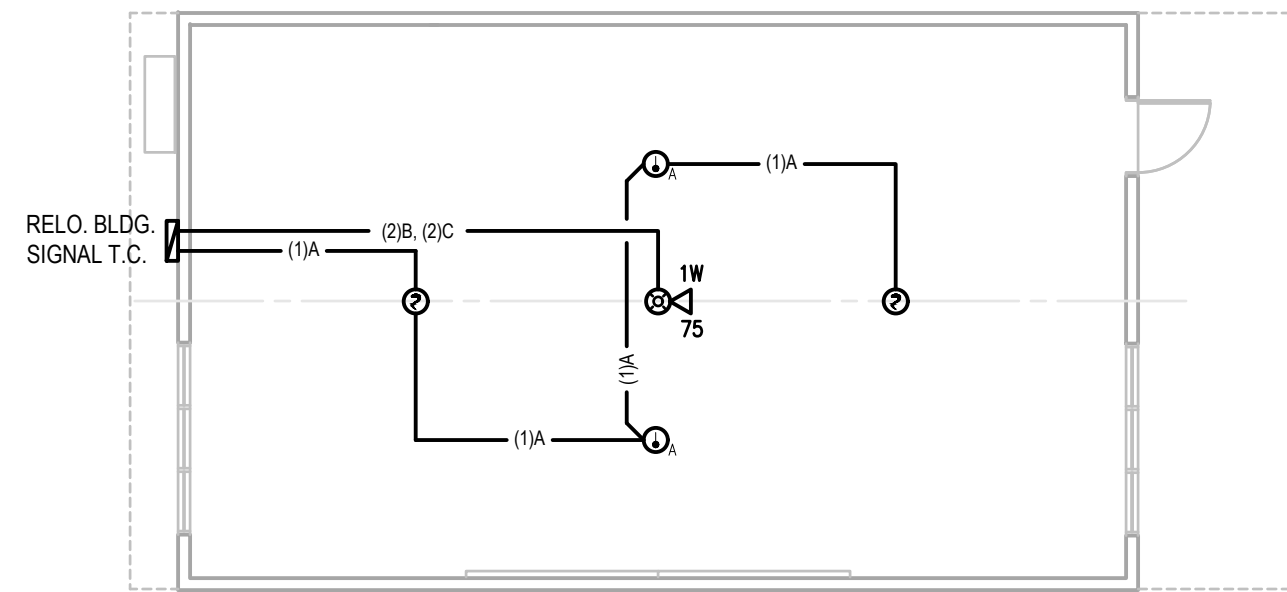
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CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE ADDITIONS
BORIS ELEMENTARY SCHOOL
FIRE ALARM NOTES & DETAILS

CONST. DOCUMENTS
E201

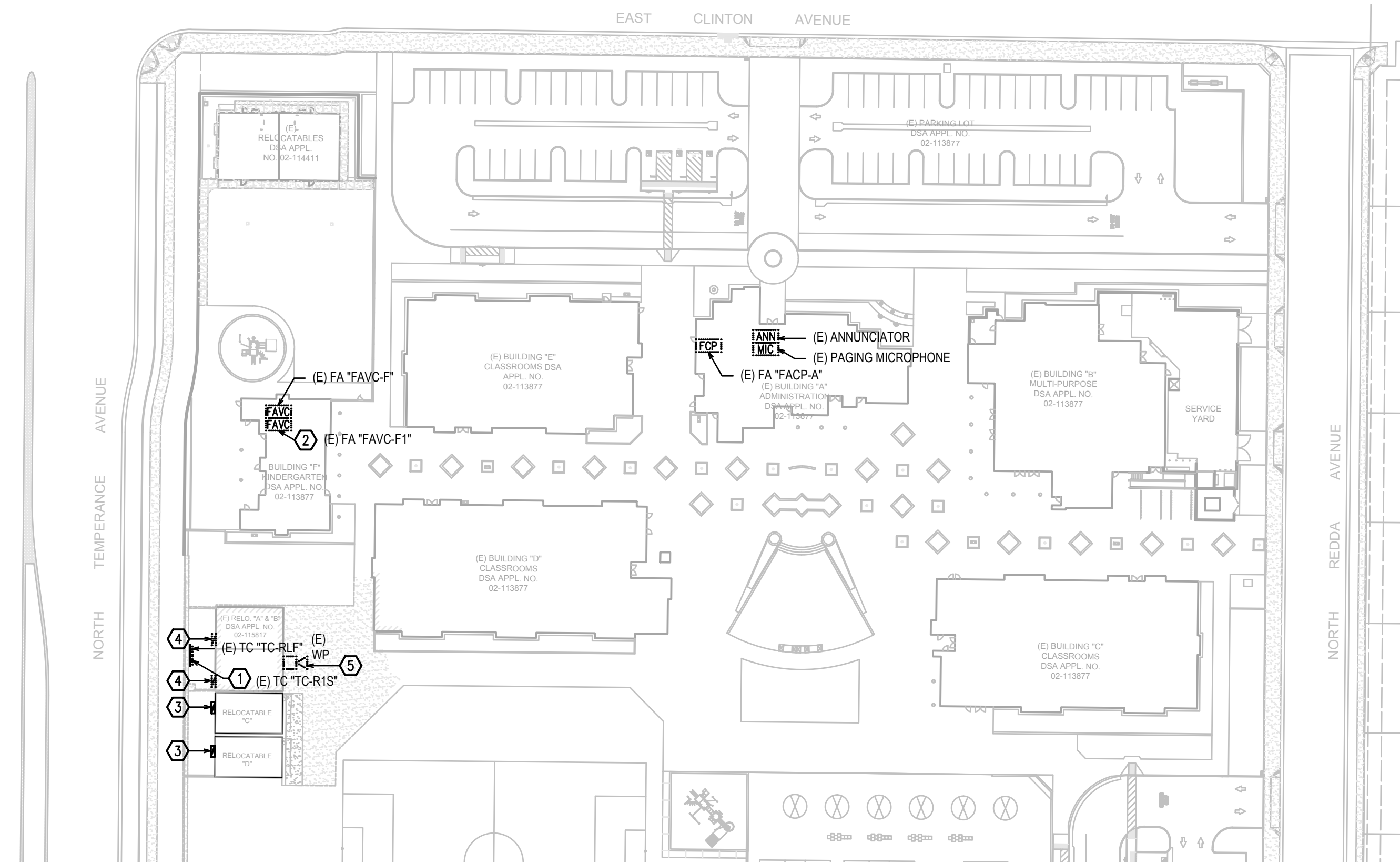
DR. BY: EN
CH. BY: SD
DATE: 04/21/2022
SCALE AS NOTED



**TYPICAL RELO BUILDING
 FIRE ALARM PLAN**

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

1

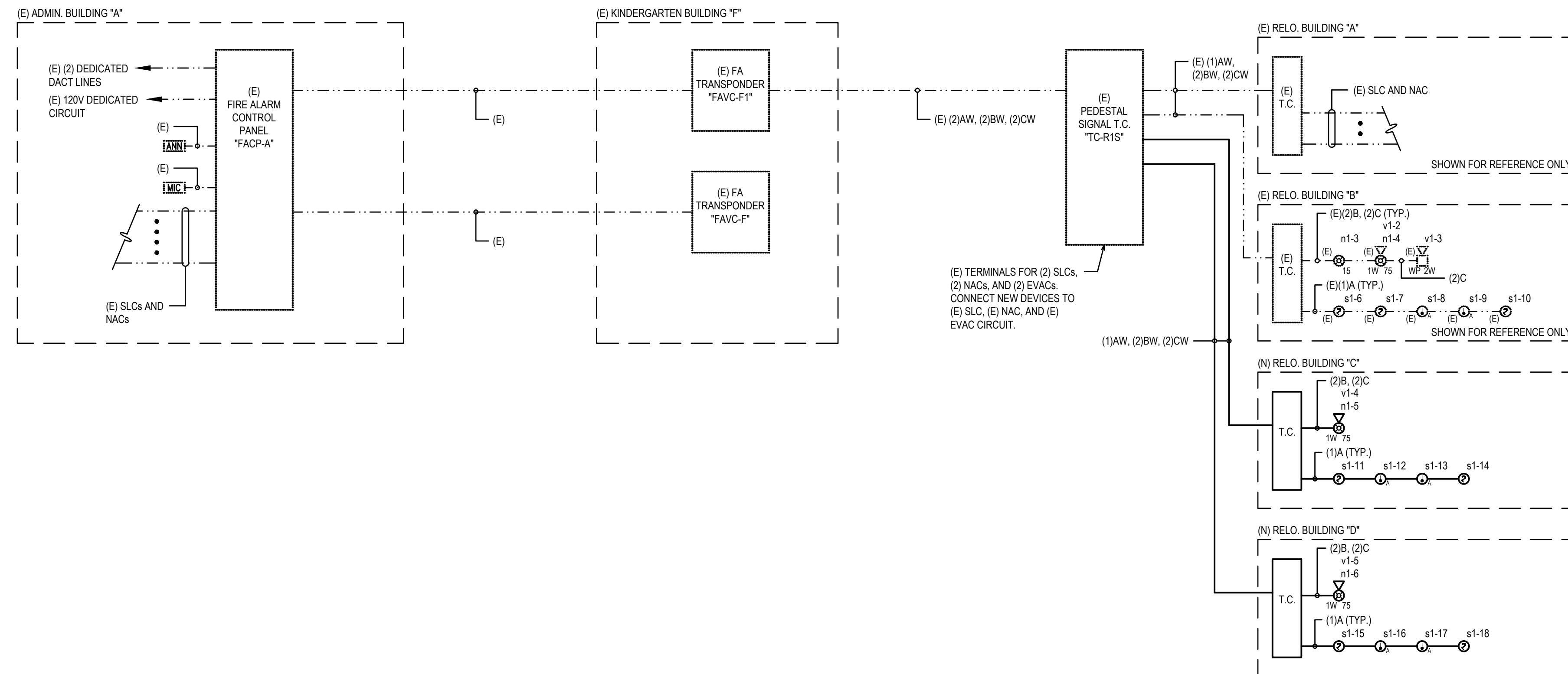


FIRE ALARM REFERENCE SITE PLAN

SCALE: 1" = 60'-0"

KEYNOTES

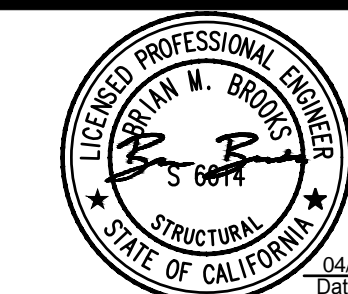
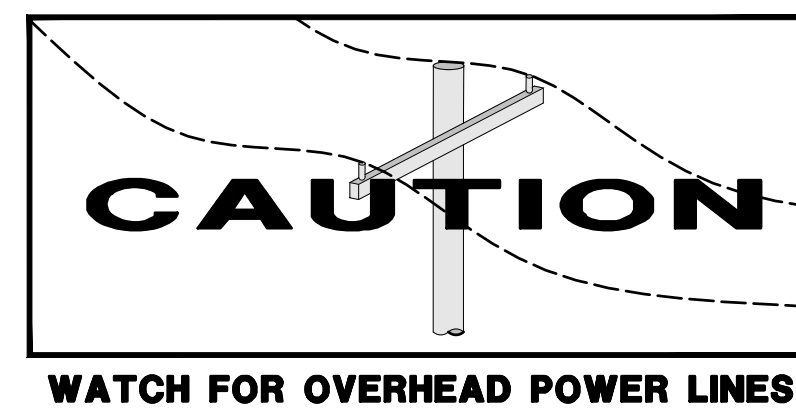
- EXISTING PEDESTAL MOUNTED WEATHERPROOF TERMINAL CABINETS "TC-RLF" AND "TC-R1S". CONNECT FA PER FIRE ALARM SINGLE LINE DIAGRAM 2/E202.
- EXISTING FA TRANSPONDER PANEL "FAVC-F1", CONNECT FA PER FIRE ALARM SINGLE LINE DIAGRAM 2/E202.
- RELO BUILDING SIGNAL TERMINAL CABINET. CONNECT FA PER FIRE ALARM SINGLE LINE DIAGRAM 2/E202.
- EXISTING RELO BUILDING SIGNAL TERMINAL CABINET, SHOWN FOR REFERENCE ONLY.
- EXISTING EXTERIOR SPEAKER LOCATION, SHOWN FOR REFERENCE ONLY.



FIRE ALARM SINGLE LINE DIAGRAM

NO SCALE

2



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CLOVIS UNIFIED SCHOOL DISTRICT	
PORTABLE ADDITIONS BORIS ELEMENTARY SCHOOL	CONST. DOCUMENTS
FIRE ALARM SITE & BLDG. PLANS	E202

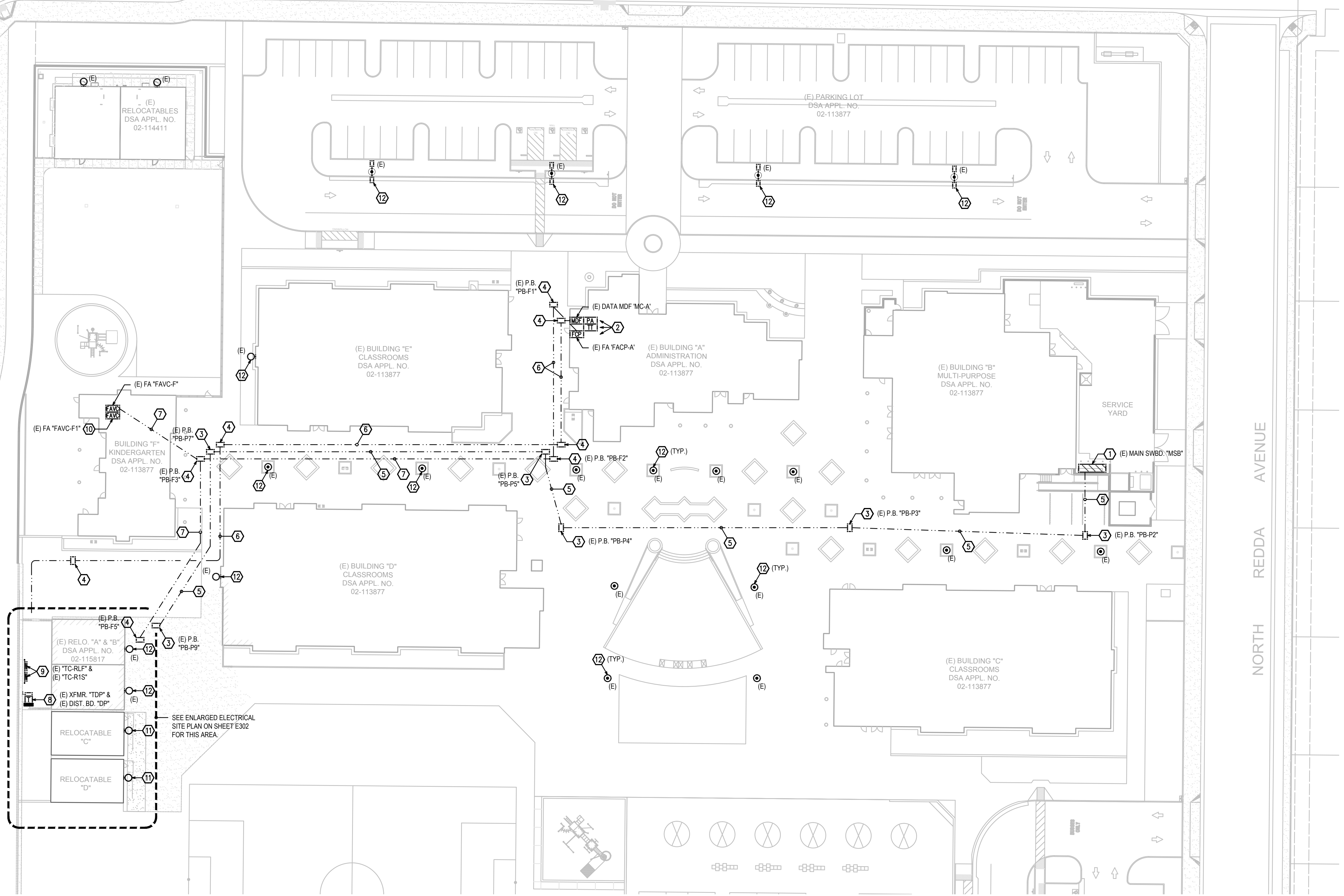
DR. BY: EN
 CH. BY: SD
 DATE: 04/21/2022
 SCALE AS NOTED

KEYNOTES

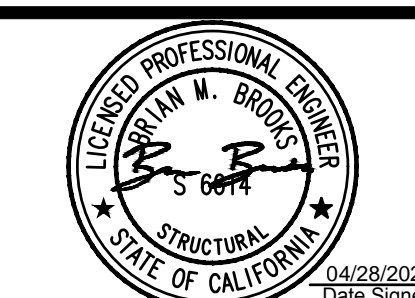
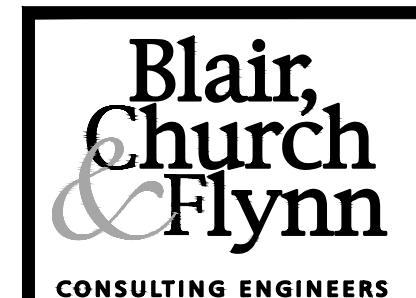
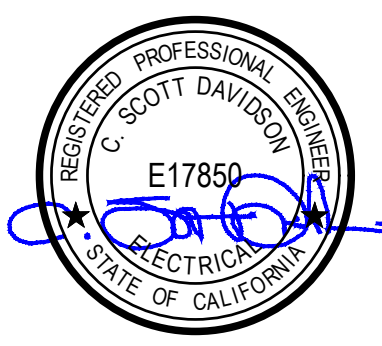
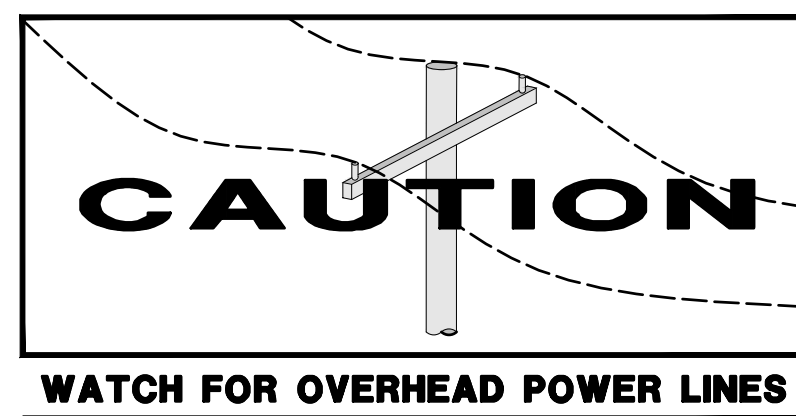
1. EXISTING MAIN SWITCHBOARD "MSB".
2. EXISTING LOW VOLTAGE SYSTEMS HEAD END EQUIPMENT LOCATION.
3. EXISTING POWER PULL BOX.
4. EXISTING SIGNAL PULL BOX.
5. EXISTING POWER CONDUIT(S) AND WIRING.
6. EXISTING SIGNAL CONDUIT(S) AND CABLING.
7. EXISTING FA CONDUIT(S) AND CABLING.
8. EXISTING TRANSFORMER "TDP" AND DISTRIBUTION PANELBOARD "DP". SEE POWER SINGLE LINE DIAGRAM S/E103.
9. EXISTING PEDESTAL MOUNTED WEATHERPROOF TERMINAL CABINETS "TC-RLF" AND "TC-RIS". CONNECT DATA AND SIGNAL. SEE SITE COMM/SIGNAL LINE DIAGRAM 6/E103. CONNECT FA. SEE FIRE ALARM SHEETS.
10. EXISTING FA TRANSPONDER PANEL. CONNECT FA. SEE FIRE ALARM SHEETS.
11. BUILDING EXTERIOR LIGHT PRE-INSTALLED BY BUILDING MANUFACTURER.
12. EXISTING AREA LIGHTING.

NORTH TEMPERANCE AVENUE

NORTH REDDA AVENUE



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

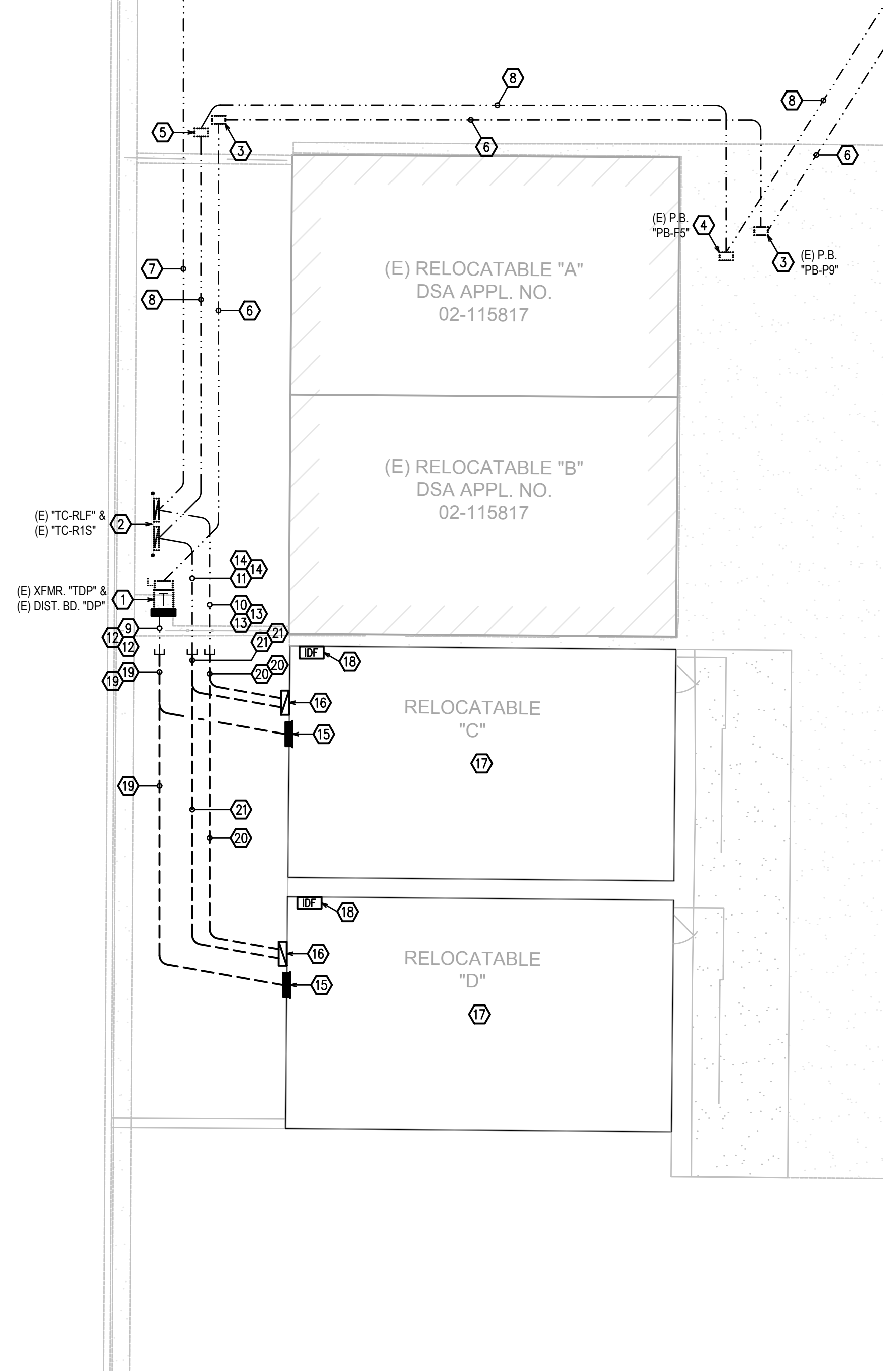


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CLOVIS UNIFIED SCHOOL DISTRICT	
PORTABLE ADDITIONS BORIS ELEMENTARY SCHOOL	CONST. DOCUMENTS
ELECTRICAL SITE PLAN	E301

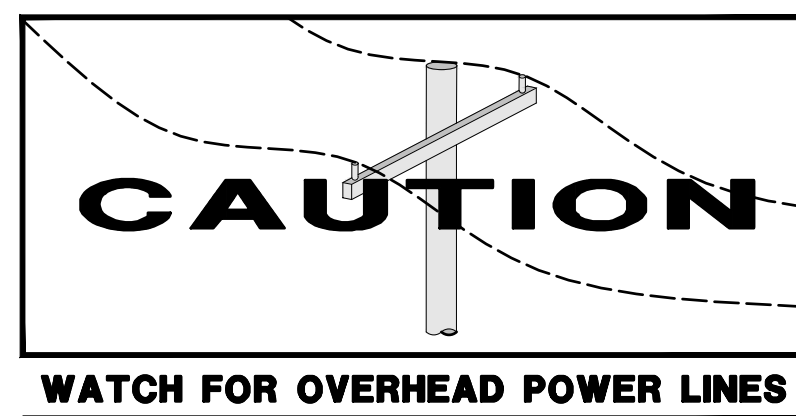
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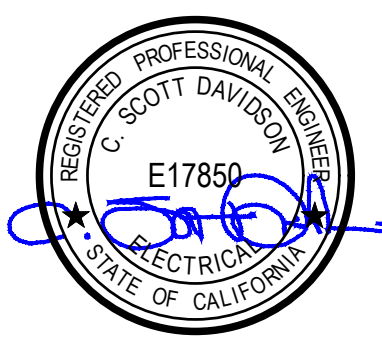
KEYNOTES ☐

1. EXISTING TRANSFORMER "TDP" AND DISTRIBUTION PANELBOARD "DP". SEE POWER SINGLE LINE DIAGRAM 5/E103.
2. EXISTING PEDESTAL MOUNTED WEATHERPROOF TERMINAL CABINETS "TC-RLF" AND "TC-RIS". CONNECT DATA AND SIGNAL. SEE SITE COMM/SIGNAL LINE DIAGRAM 6/E103. CONNECT FA. SEE FIRE ALARM SHEETS.
3. EXISTING POWER PULL BOX.
4. EXISTING SIGNAL PULL BOX.
5. EXISTING FIRE ALARM PULL BOX.
6. EXISTING POWER CONDUITS AND WIRING.
7. EXISTING DATA AND SIGNAL CONDUIT AND CABLING.
8. EXISTING FIRE ALARM CONDUITS AND CABLING.
9. EXISTING (7) 1 1/2" C. POWER SPARES.
10. EXISTING (7) 2" C. DATA SPARES.
11. EXISTING (7) 2" C. SIGNAL AND (7) 1" C. FA SPARES.
12. INTERCEPT AND EXTEND EXISTING 1 1/2" C. POWER SPARE. PULL CONDUCTORS THROUGH EXISTING CONDUIT.
13. INTERCEPT AND EXTEND EXISTING 2" C. DATA SPARE. PULL DATA CABLING THROUGH EXISTING CONDUIT.
14. INTERCEPT AND EXTEND EXISTING 2" C. SIGNAL AND 1" C. FA SPARES. PULL SIGNAL AND FA CABLING THROUGH EXISTING CONDUITS.
15. CONNECT POWER TO RELO. BUILDING PANELBOARD PRE-INSTALLED BY BUILDING MANUFACTURER AND GROUND PER DETAIL 1/E102 AND 2/E102. BOND ALL BUILDING MODULES TOGETHER PER DETAIL 3/E102.
16. RELO. SIGNAL T.C.: NEMA 3R HINGED AND LOCKABLE ENCLOSURE AT +66" TO TOP. INSTALL WIRE GUTTER AT ATTIC HEIGHT WITH (3) 2" C. EXTERIOR RISERS AND NIPPLES INTO ACCESSIBLE ATTIC. PAINT TO MATCH BUILDING. INSTALL PATCH PANELS AND MAKE TERMINATIONS AT INTERIOR. SEE SITE COMM/SIGNAL LINE DIAGRAM 6/E103 AND DETAIL 4/E102.
17. ASSEMBLE RELO. BUILDING. RECONNECT POWER AND LIGHTING SYSTEMS SEPARATED PRIOR TO TRANSPORT. PROVIDE INTERIOR ELECTRICAL IMPROVEMENTS PER DETAIL 3/E103. PROVIDE FIRE ALARM SYSTEM PER FIRE ALARM SHEETS.
18. PROVIDE IDF PER DETAIL 5/E102 AND SPECIFICATIONS. INSTALL OUTLET AT INTERIOR AND CONNECT TO DEDICATED 20A 120V CIRCUIT IN RELO PANELBOARD.
19. 1 1/2" C. POWER FEEDER TO RELO BUILDING PANELBOARD. SEE POWER SINGLE LINE DIAGRAM 5/E103.
20. 2" C. FIBER TO RELO BUILDING T.C. PROVIDE CABLING AND CONNECTION PER SITE COMM/SIGNAL LINE DIAGRAM 6/E103.
21. 2" C. SIGNAL AND 1" C. FA TO RELO BUILDING T.C. PROVIDE CABLING AND CONNECTION PER SITE COMM/SIGNAL LINE DIAGRAM 6/E103.

ENLARGED ELECTRICAL SITE PLAN
 SCALE: 1" = 10'-0"

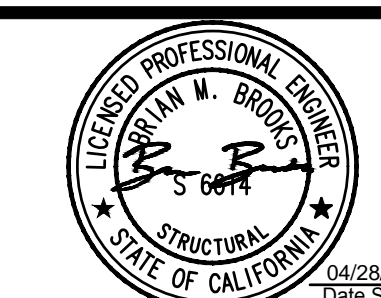


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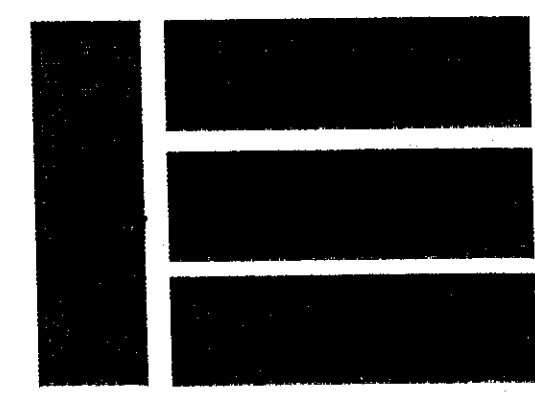


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REF. & REV.

CLOVIS UNIFIED SCHOOL DISTRICT	
PORTABLE ADDITIONS BORIS ELEMENTARY SCHOOL ENLARGED ELEC. SITE PLAN	CONST. DOCUMENTS E302

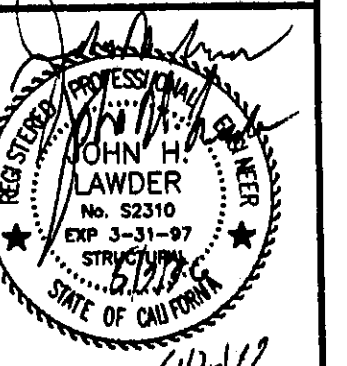
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 Plot: 02/28/2022 7:25:00 AM



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Structural Engineers
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Modesto, CA 95204
(209) 521-1143 FAX (209) 521-1166



ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

AT ABOVE FINISHED FLOOR
ALUM ALUMINUM
AMP AMPERES
APA AMERICAN PLYWOOD ASSOCIATION
ASTM AMERICAN SOCIETY OF TESTING MATERIALS
AWPB AMERICAN WOOD PRODUCTS BUREAU
BEAL BEAM
BTU BRITISH THERMAL UNITS
C.C. CENTER TO CENTER
C.B.C. CALIFORNIA BUILDING CODE
C.I.R. CALIFORNIA ELECTRICAL CODE
CIR CIRCUIT
CLG CENTER LINE
CEILING
CLR CLEAR
CONT CONTINUOUS
CP COMPLETE PENETRATION
DBL DOUBLE
D.F. DOUGLASS FIR - LARCH
DIA DIAMETER
DN DOWN
D.S.A. DIVISION OF THE STATE ARCHITECT
EA EACH
ELEC ELECTRICAL
EQ EQUAL
EQW EACH WAY
EXR EXTERIOR
F.A. FIRE ALARM
FIN FINISH
FLG FLOOR
FLR FLOORING
FTC FOOTING
FRP FIBERGLASS REINFORCED PANEL
YIELD STRENGTH (STEEL)
GA GAUGE
GALV GALVANIZED
HD HOLLOW DOWN
HDR HEADER
HW HARDWARE
H.M. HOLLOW METAL
H.F. HEAVY FIRE
HR HOUR
H.S.B. HIGH STRENGTH BOLTS
HVAC HEATING VENTILATION AIR CONDITIONING
INT INTERIOR
J.-BOX JUNCTION BOX
KW KILOWATT
LB POUND
MAX. MAXIMUM
A325N A325N HIGH STRENGTH BOLTS
MFR MANUFACTURER
MIN. MINIMUM
MISC MISCELLANEOUS
MOD MODULE
MTL METAL
NOT IN CONTRACT
NO. NUMBER
O.C. ON CENTER
OPT. OPTIONAL
PL PLATE
PLYWOOD PLYWOOD
PSI POUNDS PER SQUARE INCH
PSF POUNDS PER SQUARE FOOT
P-TREATED PRESSURE TREATED
R-11 THERMAL RATING
REQ. REQUIRED
RFG ROOFING
S.D.S. SELF DRILLING SCREW(S)
SHG SHEATHING
S.M.S. SHEET METAL SCREW(S)
STR. STRUCTURAL
SQ. SQUARE
T&G TONGUE AND GROOVE
TK TEK SCREWS
TUBE TUBE STEEL
TYP. TYPICAL
U.B.C. UNIFORM BUILDING CODE
VOLTS
W.I.C. WOODWORK INSTITUTE OF CALIFORNIA
W/O WITHOUT
W/D DIAMETER
1Ø SINGLE PHASE
3Ø THREE PHASE

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

THE FOLLOWING TESTS AND INSPECTIONS, AS CHECKED, WILL BE REQUIRED AS DETAILED IN APPLICATION SPECIFICATIONS.

COMPACTED FILL	CONC.	QUINTE	GROUT	MORTAR	TEST OF AGGREGATES FOR MIX DESIGN ONLY
FILL MATERIAL ACCEPTANCE TESTS					SUITABILITY TESTS OF AGGREGATES AS DETAILED BELOW
COMPACTION CONTROL, CONTINUOUS					MIX DESIGNS (METHOD A)
COMPACTION TESTS ONLY AS ORDERED	X				WEDGEMASTER CERTIFICATE
BEARING CAPACITY OF COMPACTED FILL		X			INSPECT PLACING
REINFORCING STEEL					SAMPLE
SAMPLE AND TEST BAR STEEL					COMPRESSION TESTS (CONCRETE FOUNDATION ONLY)
SAMPLE AND TEST MESH	X				PICK UP SAMPLES AT JOB
INSPECT PLACING AT JOB					SAMPLES DELIVERED TO LABORATORY
STRUCTURAL STEEL					DELIVER SAMPLE FORMS TO JOB SITE
SAMPLE AND TEST AS DETAILED BELOW					SAMPLE AND TEST CEMENT
SHOP FABRICATION INSPECTION					
FIELD ERECTION INSPECTION					
INSPECTION OF WELDS-SHOP					
INSPECTION OF WELDS-FIELD					
INSPECTION OF RIVETING OR BOLTING-SHOP					
INSPECTION OF RIVETING OR BOLTING-FIELD					
SAMPLE AND TEST HIGH STRENGTH BOLTS AND WASHERS					
BRICK AND BLOCK					
SAMPLE AND TEST					
TEST ONLY					
INSPECTION OF PLACING					
CORE DRILL SAMPLES					
OTHER TESTS & INSPECTIONS					
1. GENERAL INPLANT INSPECTION					
2. ELECTRICAL GROUND TEST IN FIELD					
3. TEST ELECTRICAL GROUNDING					

MIX DESIGNS: CONCRETE, GROUT, MORTAR OR QUINTE

MATERIAL	MAXIMUM SIZE	COMPRESSIVE STRENGTH PSI	MINIMUM
CONCRETE	1"	2,500	PSI

LIST OF STRUCTURAL STEEL MEMBERS TO BE TESTED
PROVIDE MILL CERTIFICATES OR TEST PER C.B.C. SECTION 2212 A.1
STRUCTURAL TUBING TSS-4x3/16
LIGHT GAUGE STEEL SECTIONS & PLATES

AUTHORIZATION SIGNATURE _____

REMARKS: _____

A0-COVER SHEET-ABBREVIATIONS-SHEET INDEX
A1-FLOOR PLAN-EXTERIOR & INTERIOR ELEVATIONS-MATERIAL SPECIFICATIONS-GENERAL NOTES
A1B-ALTERNATES
A2-MECHANICAL & REFLECTED CEILING PLANS-HVAC & WALL SECTION-DETAILS-HVAC SPECIFICATIONS
A2A-ALTERNATE MECHANICAL & REFLECTED CEILING PLAN-HVAC & WALL SECTION-DETAILS-HVAC SPECIFICATIONS
A3-ELECTRICAL POWER & SIGNAL PLAN-ELECTRICAL LIGHTING PLAN DETAILS-ELECTRICAL NOTES
A4-SECTIONS-DETAILS
S1C-CONCRETE FOUNDATION PLAN-FOOTING DETAILS-NOTES
S1W50-50 PSF WOOD FOUNDATION PLAN-FOOTING DETAILS-NOTES
S1W70-70 PSF WOOD FOUNDATION PLAN-FOOTING DETAILS-NOTES
S1W125-125 PSF WOOD FOUNDATION PLAN-FOOTING DETAILS-NOTES
S2-ROOF-CEILING-FLOOR FRAMING PLANS-STRUCTURAL STEEL PROPERTIES-NOTES
S3-LONGITUDINAL BUILDING SECTION-WALL FRAMING ELEVATIONS NAILING DETAIL-END FRAME ELEVATION-NAILING SCHEDULE
S4-CONNECTION DETAILS
SSR-HANDICAP ACCESS RAMP

TAPERED ROOF SHEET INDEX

SHED ROOF SHEET INDEX

APPLICABLE CODES:
CALIFORNIA BUILDING CODE, PART 2, TITLE 24 (1994 UNIFORM BUILDING CODE AND CALIFORNIA AMENDMENTS)
CALIFORNIA ELECTRICAL CODE, PART 3 TITLE 24 (1993 NATIONAL ELECTRICAL CODE AND CALIFORNIA AMENDMENTS)
CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 (1994 UNIFORM MECHANICAL CODE AND CALIFORNIA AMENDMENTS)
CALIFORNIA PLUMBING CODE, PART 4, TITLE 24 (1994 UNIFORM PLUMBING CODE AND CALIFORNIA AMENDMENTS)
CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 (1994 UNIFORM BUILDING CODE STANDARDS AND CALIFORNIA AMENDMENTS)
CALIFORNIA FIRE CODE, PART 9, TITLE 24 (1994 UNIFORM FIRE CODE AND CALIFORNIA AMENDMENTS)
TITLE 19, CALIFORNIA CODE OF REGULATIONS

OCCUPANCY E2
CONSTRUCTION TYPE V-NR
CLASSROOM AREA: 960 S.F. NOMINAL

SEE SHEET A3 FOR ELECTRICAL SYMBOLS

WALL ELEVATION SYMBOL

ENLARGED PLAN VIEW DETAIL

DETAIL KEY

BENCHMARK

DESIGN CRITERIA
ROOF: DEAD LOAD - 8.0 PSF
ROOF: LIVE LOAD - 20.0 PSF (SNOW)
FLOOR: DEAD LOAD - 8.0 PSF
FLOOR: LIVE LOAD - 50.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD - 70.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD - 125.0 PSF
WALLS: DEAD LOAD - 8.0 PSF
WIND: 80 MPH; EXPOSURE: C
qs=16.4 PSF; Ce=1.06; Cq AS REQ.
SEISMIC: ZONE 4, R=6, C=2.75

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1. ALL MATERIALS & WORKMANSHIP SHALL CONFORM TO THE 1995 CALIFORNIA BUILDING CODE (C.B.C.). A COPY OF THE CALIFORNIA BUILDING CODE SHALL BE KEPT ON THE SITE AT ALL TIMES.
2. CHANGES TO THE APPROVED DRAWINGS & SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CHANGE ORDER APPROVED BY THE STRUCTURAL ENGINEER, OWNER, & THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED.
3. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) & APPROVED BY THE STRUCTURAL ENGINEER & THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 1701.3 OF 1995 C.B.C.
4. MATERIAL TESTING AS NOTED IN THE STRUCTURAL TESTS & INSPECTIONS AT THE LEFT SHALL BE PERFORMED AS REQUIRED PER SECTION 2212A.1 OF 1995 C.B.C. MATERIAL TESTING REQUIRED BY FIRE REGULATIONS SHALL BE PERFORMED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
5. VERIFIED REPORTS (DSA/SSS FORM 6) SHALL BE SUBMITTED PER SECTION 4-336 AND 4-343 (C) BY THE MANUFACTURER, INSPECTOR, STRUCTURAL ENGINEER.
6. A SEPARATE DSA APPLICATION NUMBER MUST BE OBTAINED BEFORE MANUFACTURING ANY ENVIROPLEX UNIT IN ACCORDANCE WITH THESE DRAWINGS.
7. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD & ACCESS REQUIREMENTS & ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
8. SPECIAL INSPECTIONS PER SECTION 1701 1995 C.B.C.

D.S.A. REQUIREMENTS

DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES

101473

AC 1/27/96 FLS/SS/RLK
DATE 8/31/99

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-271
AC OF FLS/SS/RLK
DATE 5/10/96
File - Shann Willis
Struct - ChHeddes

REVISION DATE: _____ BY: _____

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THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

ABBREVIATIONS

STRUCTURAL TESTS AND INSPECTIONS

SYMBOL INDEX

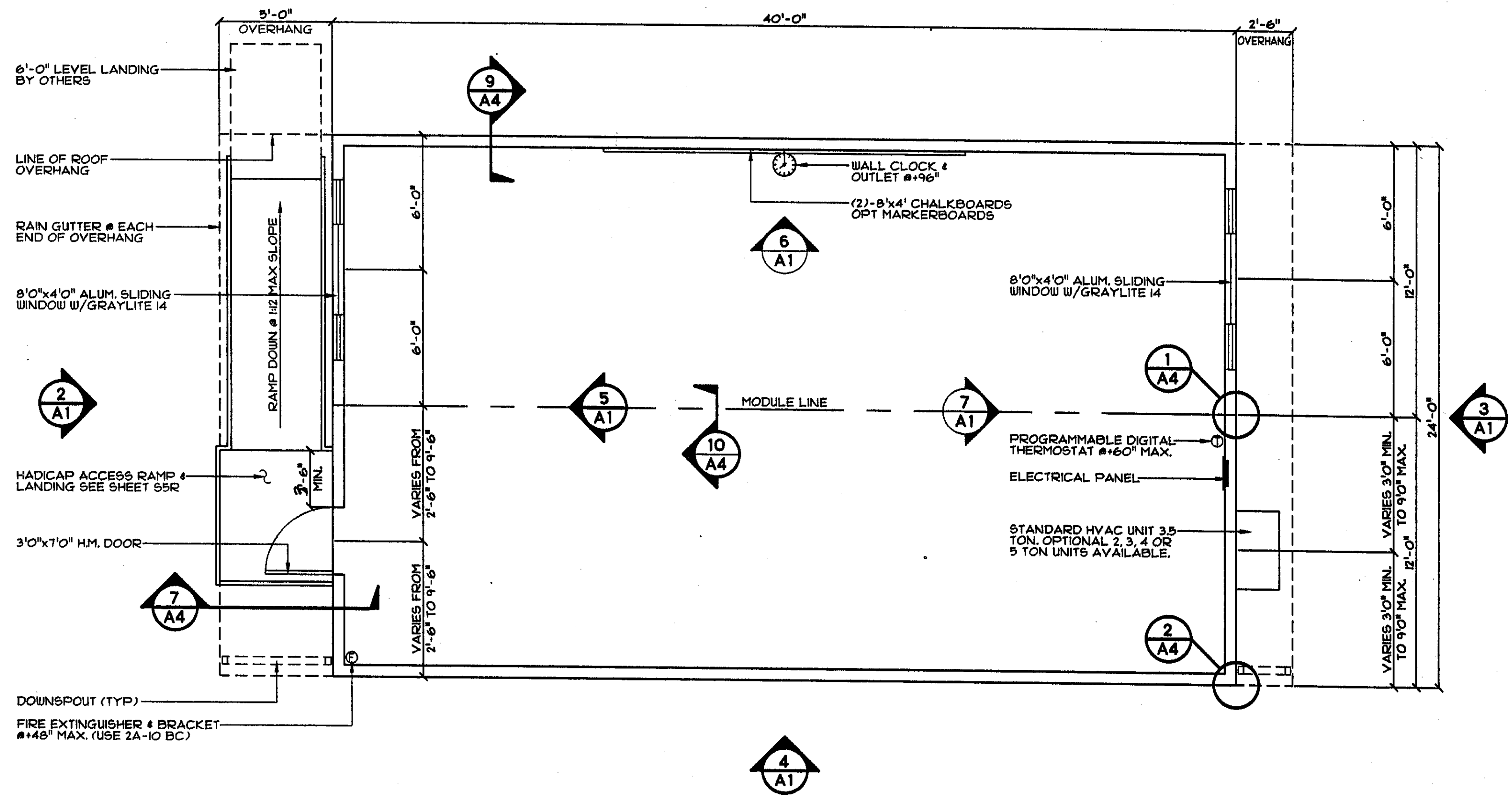
BUILDING CODES/CBC DATA

APPROVALS

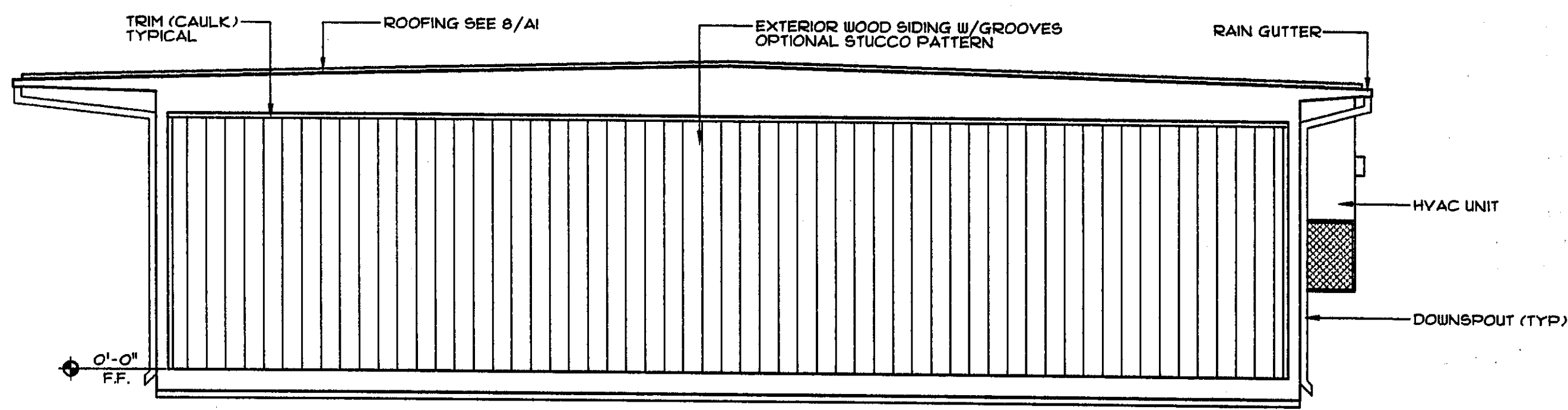
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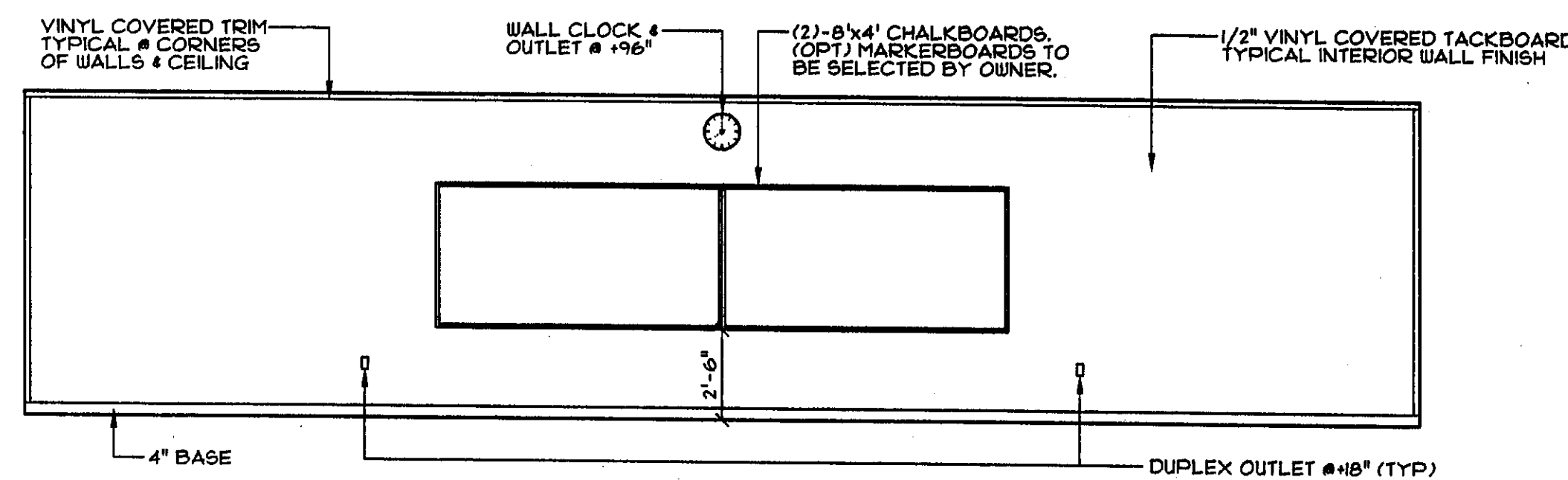
COVER SHEET
ABBREVIATIONS
SHEET INDEX



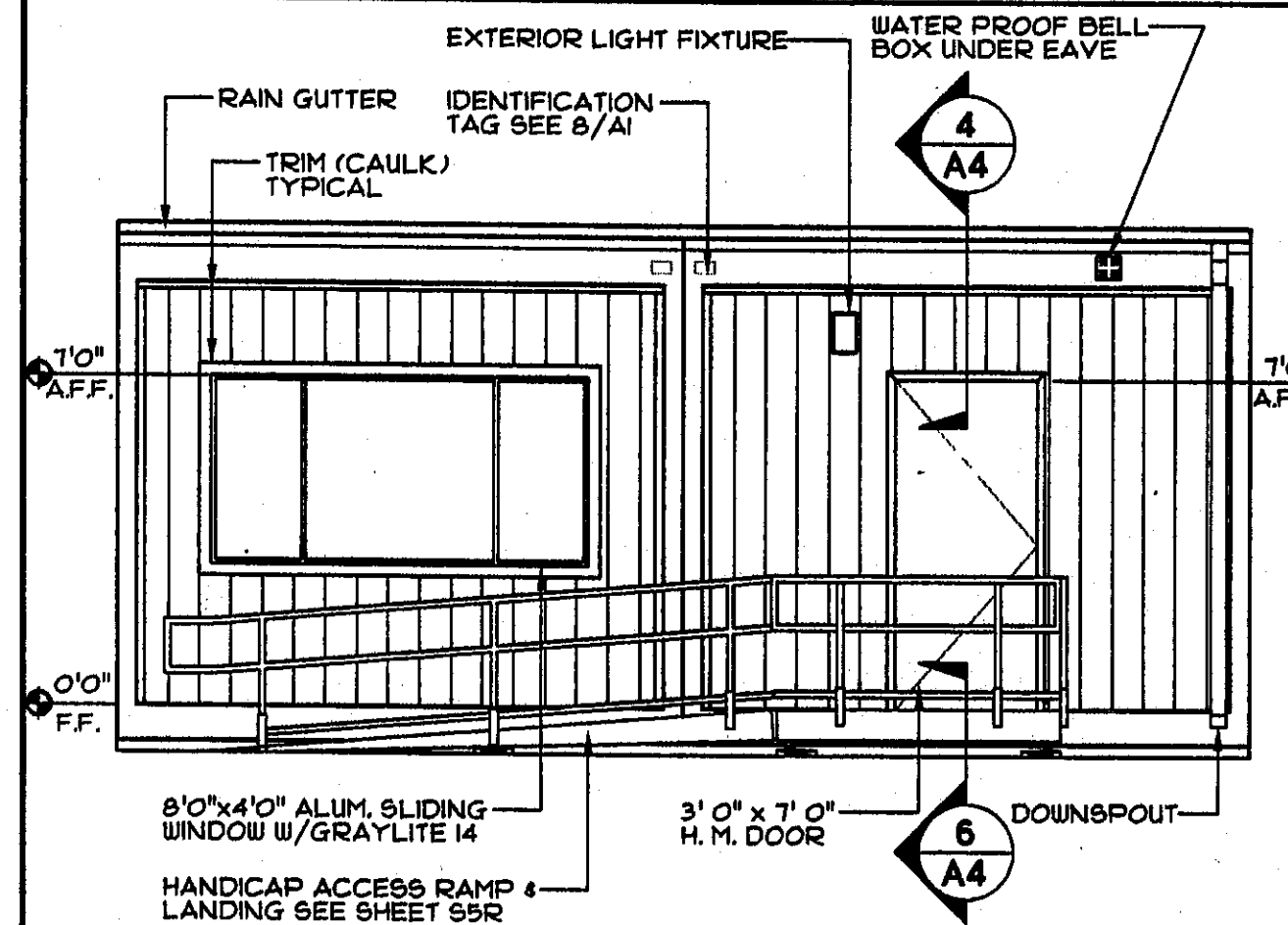
24' x 40' CLASSROOM FLOOR PLAN
SCALE: 1/4"=1'-0"



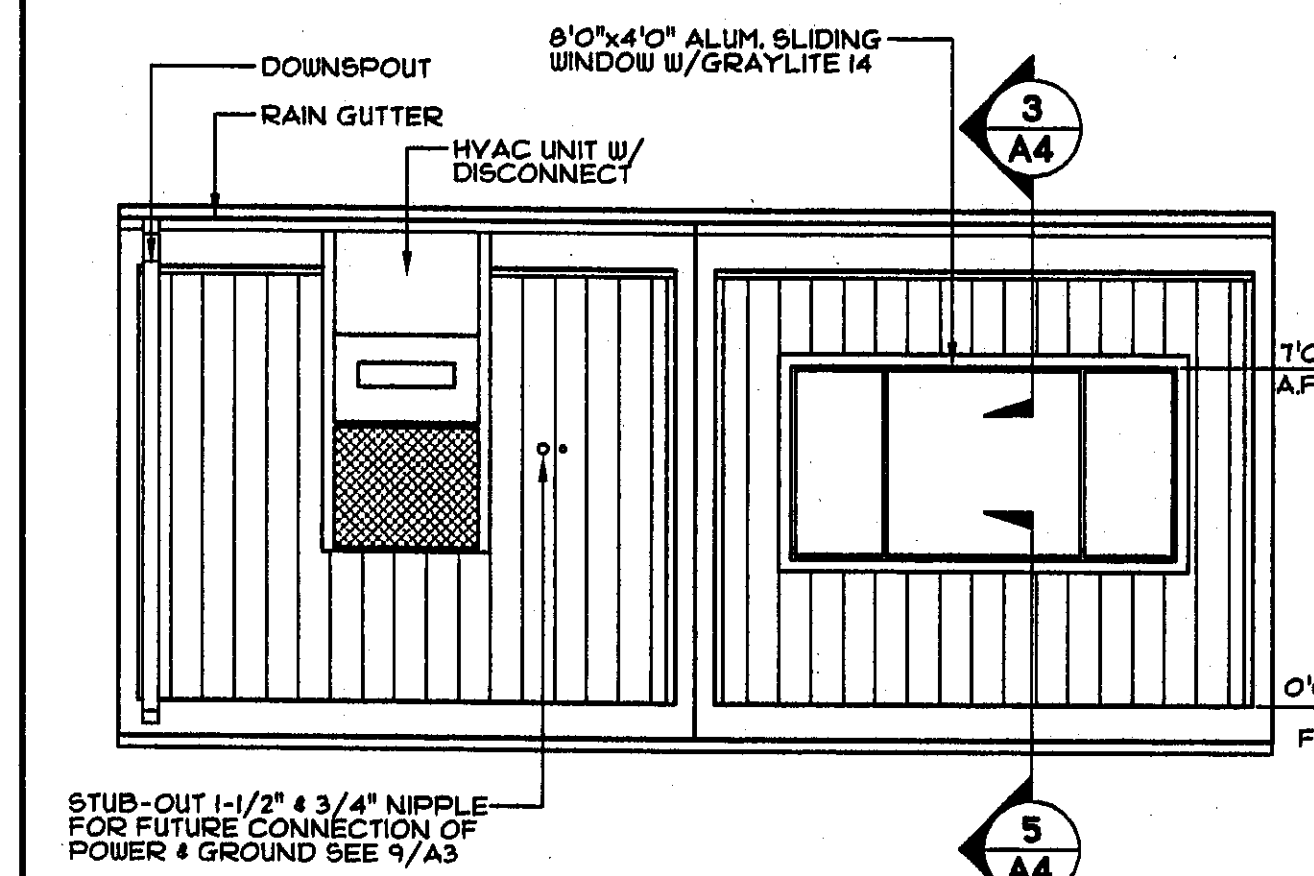
SIDE WALL EXTERIOR ELEVATION
SCALE: 1/4"=1'-0"



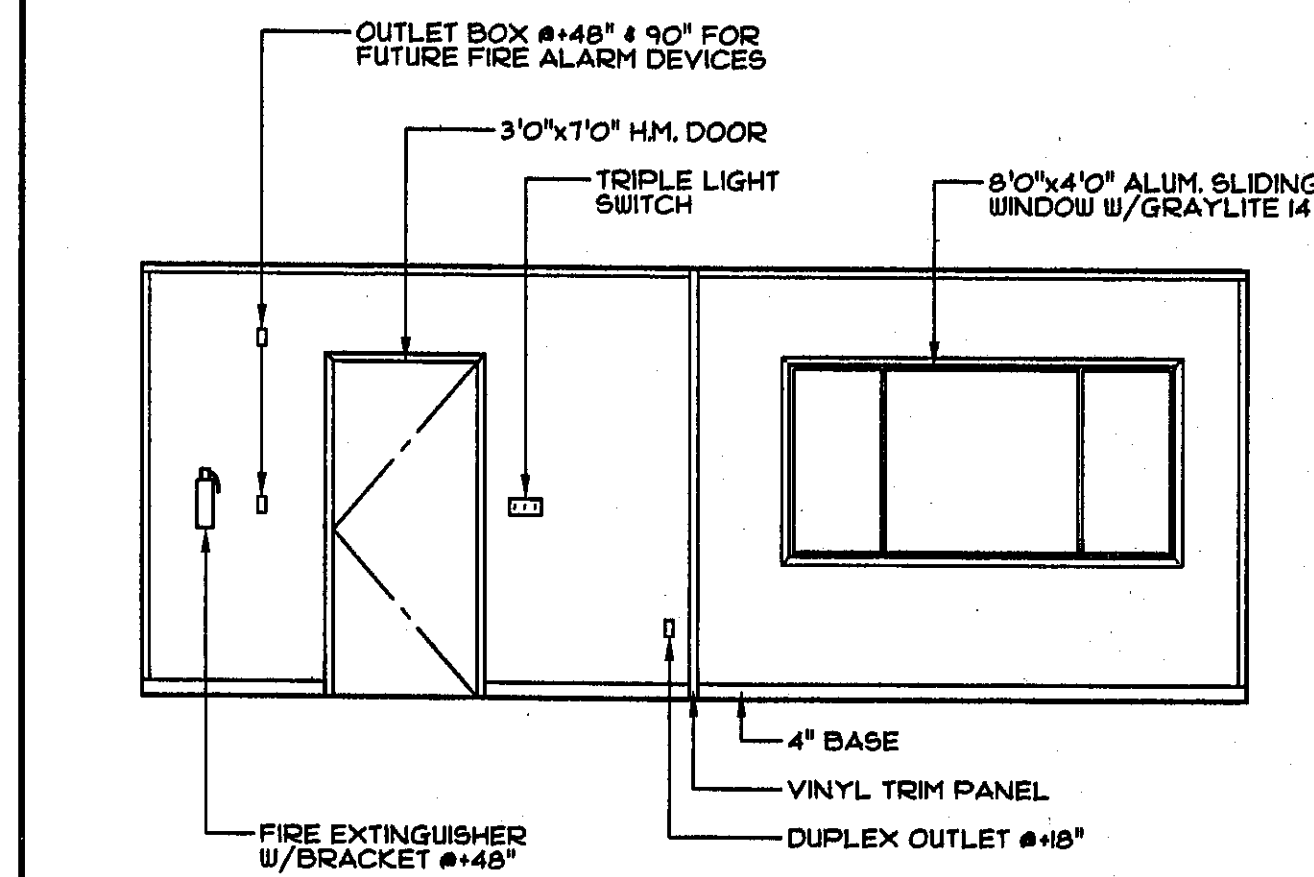
SIDE WALL INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



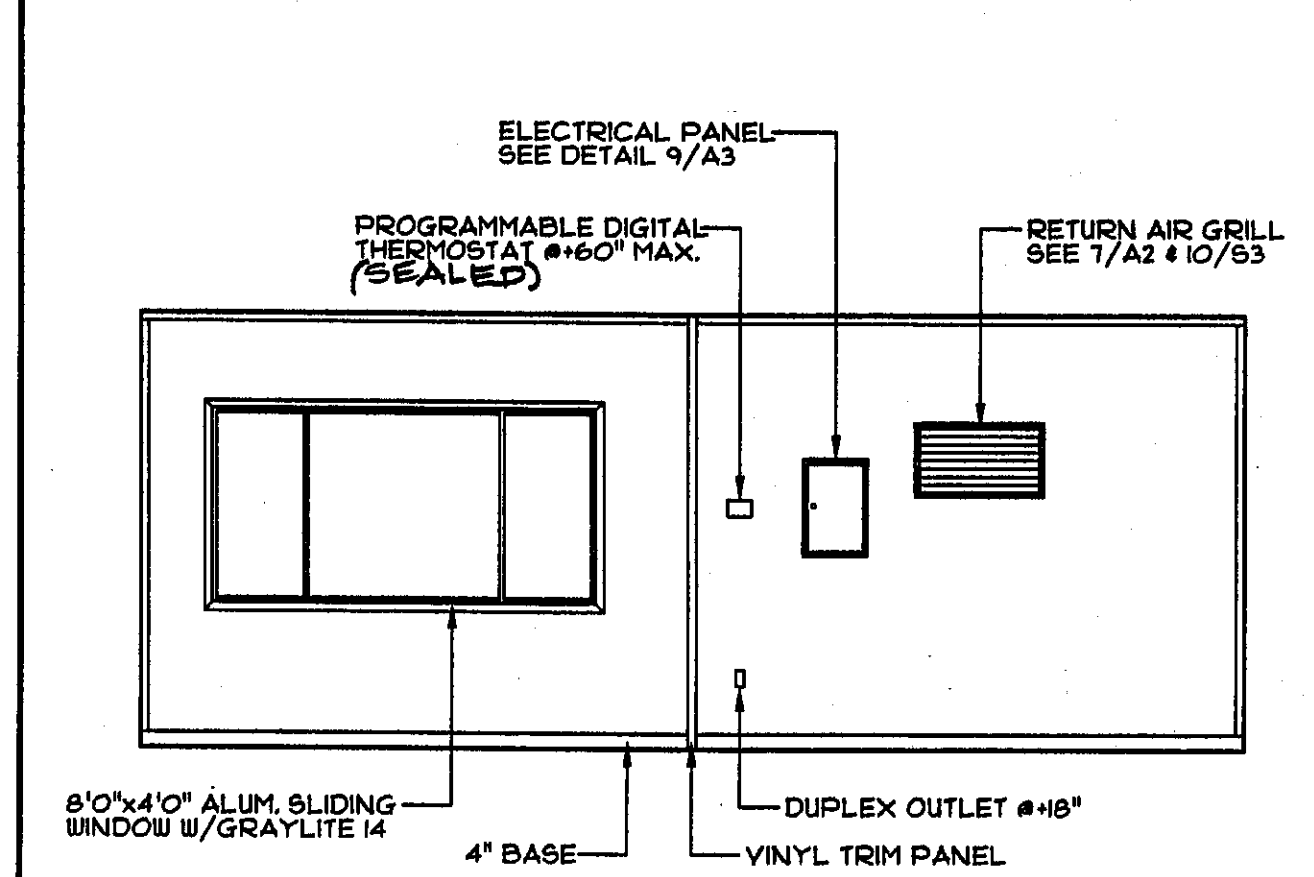
2 END WALL EXTERIOR ELEVATION
SCALE: 1/4"=1'-0"



3 END WALL EXTERIOR ELEVATION
SCALE: 1/4"=1'-0"



5 END WALL INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



7 END WALL INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

- CARPETS- ALL MODULES SHALL BE CARPETED WITH DIRECT GLUE DOWN TYPE PER STATE OF CALIFORNIA SPECIFICATION T220-21C-01, GROUP 1, TYPE "A", CLASS 24. THE CARPET DENSITY SHALL BE 4600 MIN. PILE YARN SHALL BE BRANDED NYLON. NO CROSS SEAMS SHALL BE ALLOWED. COLOR TO BE SELECTED BY OWNER.
- RESILIENT BASE COVE- 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 COLORS AS MANUFACTURED BY "BURKE RUBBER CO." OR EQUAL.
- ADHESIVES SHALL BE WATER BASE, SOLVENT BASE NOT ACCEPTABLE. FURNISH AND APPLY PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
- SEALANT- ROOF # MODULE LINE - POLYURETHANE SIDING # TRIM - ACRYLIC LATEX
- PAINT- (EXTERIOR WOOD) PRIMER-----ACRYLIC UNDERCOAT FINISH-----ACRYLIC ENAMEL (METALS)-----PRIMER-----RED OXIDE ALKYL FINISH-----ACRYLIC ENAMEL
- BUILDING TRIM- MASONITE FACED MDO TRIM. TRIM SHALL BE SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING. DOOR/WINDOW TRIM- MASONITE FACED MDO TRIM SHALL BE SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING.
- HOLLOW METAL DOORS AND FRAMES- 3'0" x 7'0" x 1-3/4" 18 GA. FULL FLUSH METAL DOOR IN 18 GA. METAL FRAME. EXIT DOOR SHALL BE OPENABLE FROM THE INTERIOR WITHOUT A KEY OR SPECIAL KNOWLEDGE OR EFFORT. CLOSERS FOR EXTERIOR DOORS SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 8.5 LBS & 5 LBS FOR INTERIOR CLOSERS. DEADBOLTS NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT USING LEVER HANDLE. DOOR SWINGS CAN BE RIGHT OR LEFT HAND HINGE. HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE FINISHED FLOOR. (UNLESS OTHERWISE NOTED) LOCKSET (LEVER MODEL) SCHLAGE DTOPDRHO (RHODES) OR EQUAL (WHERE SPECIFIED ONLY) LOCKSET (PANIC DEVICE) INTERIOR: PRECISION #108 626 OR EQUAL EXTERIOR: PRECISION # 9L OR EQUAL CYLINDER: SCHLAGE, YALE, SARGENT OR EQUAL HINGES----- HAGER BB219 N.R.P. 4-1/2" x 4-1/2" OR EQUAL CLOSER----- NORTON 8501BF OR EQUAL THRESHOLD----- PEMKO 271A OR EQUAL DOOR BOTTOM----- PEMKO 216AV OR EQUAL WEATHERSTRIP----- PEMKO 306A OR EQUAL

- ROOFING**
METAL ROOF.
PREFINISHED, UNPENETRATED INTERLOCKING, 26 GAGE MIN. GALVANIZED STEEL ROOF PANELS, MECHANICALLY CRIMPED STANDING SEAM OVER 30 LB. FELT OVER 15/32" APA RATED, EXTERIOR GRADE PLYWOOD. (CLASS "B" FIRE RATING)
- INSULATION**
1. ALL INSULATION (INCLUDING PIPE INSULATION) SHALL COMPLY WITH CALIFORNIA QUALITY STANDARDS, CALIFORNIA BUILDING CODE SEC. 1012, 1013, & 2606 FOR FOAM. MAX FLAME SPREAD: 25, MAX SMOKE DENSITY: 450
2. CEILING: 6" R-19 FIBERGLASS
3. WALL: 3-1/2" R-19 FIBERGLASS
4. FLOOR: 1-1/4" RIGID CELLULAR BOARD (TOTAL FLOOR INSULATION R-11).
- IDENTIFICATION**
NOTE: THE MANUFACTURER SHALL PLACE A PERMANENT METAL IDENTIFICATION TAG ON EACH MODULAR BUILDING MECHANICALLY FASTENED TO THE END WALL. THE TAG SHALL SHOW D.S.A. APPLICATION NUMBER, MANUFACTURER'S SERIAL NUMBER, PLANT INSPECTOR'S IDENTIFICATION MARK AND DESIGN FLOOR AND ROOF LIVE LOAD.

8 MATERIAL SPECIFICATIONS & NOTES

- SAW LUMBER GRADED PER WEST COAST LUMBER INSPECTION BUREAU, RULE 17.
- ALL FRAMING LUMBER SHALL BE DOUGLAS FIR #2 OR BETTER (124C). 2x4 AND 2x6 BLOCKING SHALL BE DOUGLAS FIR #2 OR BETTER (123 C).
- LAG SCREWS AND SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE.
- LUMBER MAY BE REJECTED FOR BOXED HEART, EXCESSIVE WARP, TWIST, SPLIT, CHECK, FUNGUS, MOLD, OR ANY REASON PROVIDED BY GRADING RULES.

9 LUMBER NOTES

- ALL MODULES MAY BE BUILT OPPOSITE HAND FROM THE WAY THEY ARE SHOWN
- SIDEWALL & ENDWALL ELEVATIONS SHOWN ON SHEET A1 ARE MODULAR NON-BEARING WALLS NOT REQUIRED FOR THE RESISTANCE OF VERTICAL OR LATERAL LOADS.

10 BUILDING AND WALL PANEL OPTIONS

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FLOOR: LIVE LOAD - 50.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD - 70.0 PSF
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11 APPROVALS

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(209) 921-1143 FAX (209) 921-1188

PROFESSIONAL SEAL
JH LAWDER
NO. 52310
EXP. 3-31-97
STRUCTURAL
STATE OF CALIFORNIA

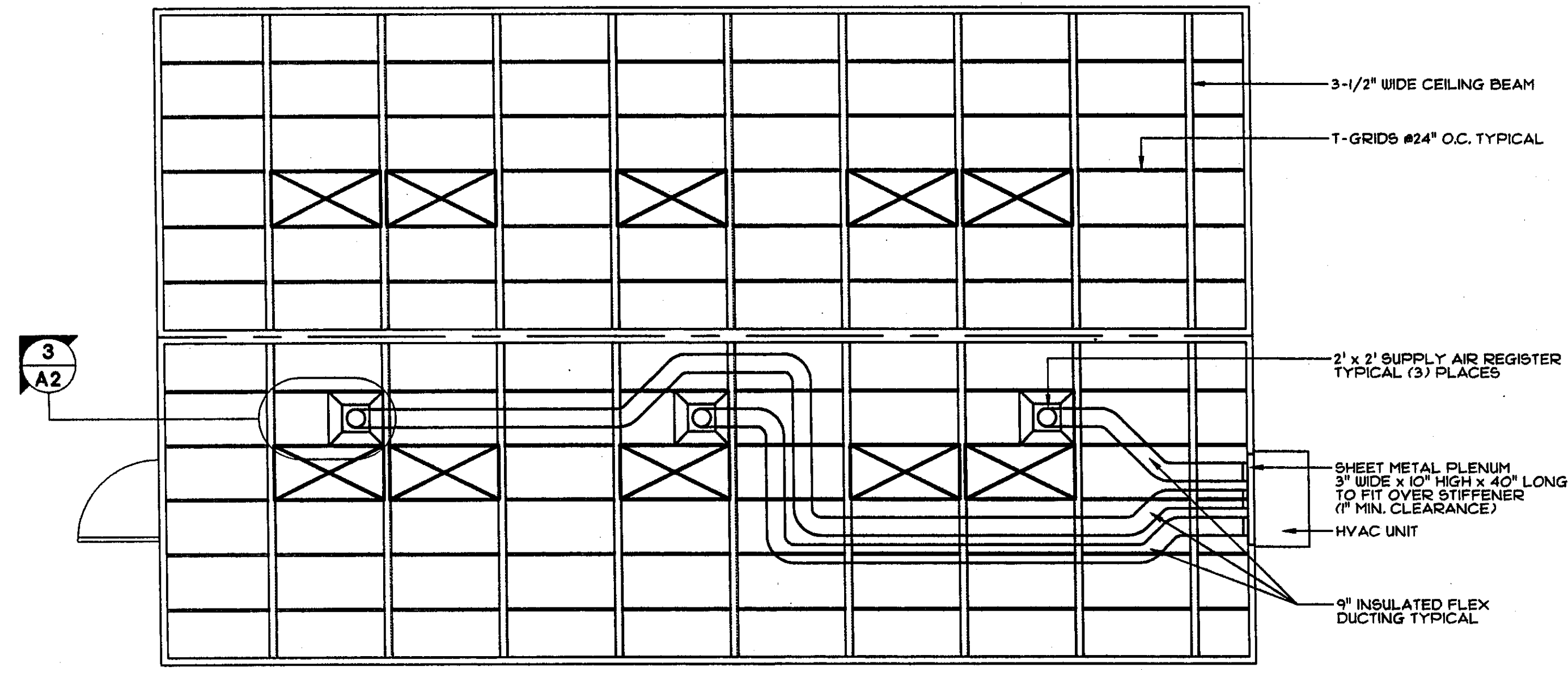
ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA 95215

FLOOR PLAN-INTERIOR&EXTERIOR ELEVATIONS - MATERIAL SPECIFICATIONS - NOTES

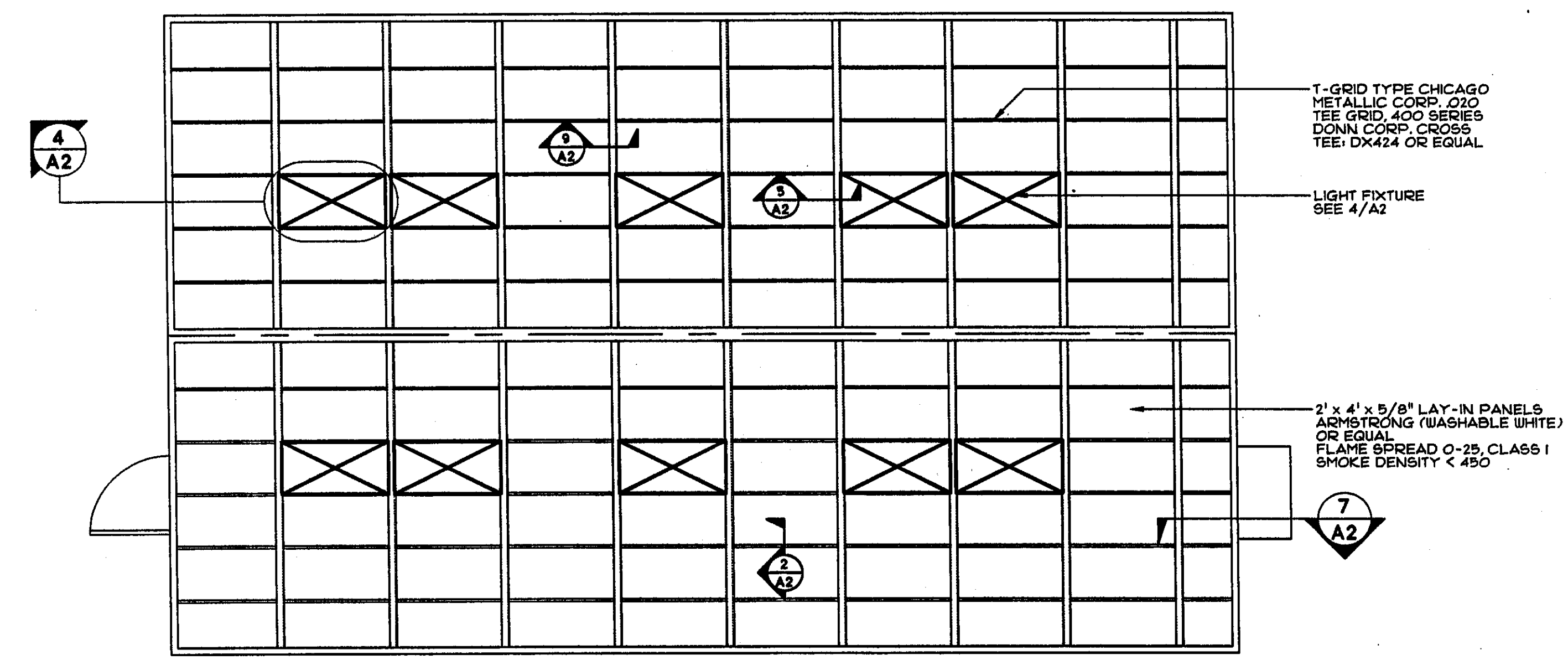
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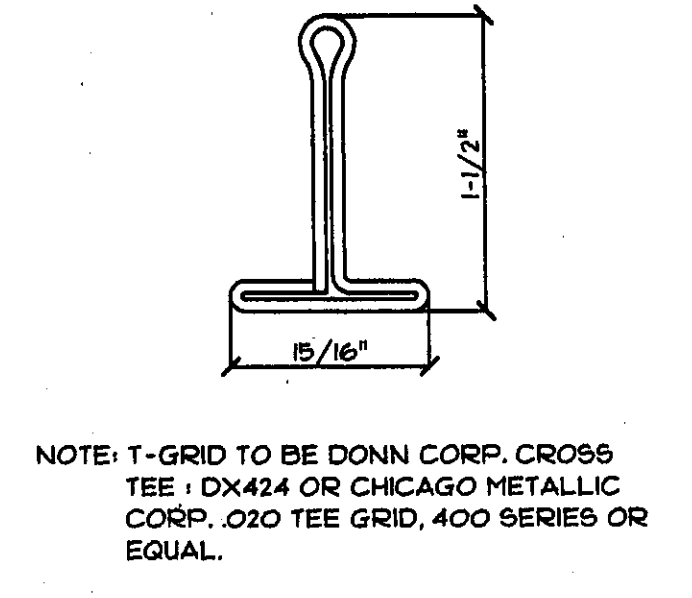
24' x 40' MECHANICAL PLAN
SCALE: 1/4"=1'-0"



NOTE: CEILING TILE & LIGHTING SYSTEM IN THIS MODULE ARE NOT SUSPENDED. THE BUILDING HAS A FIXED CEILING AND LIGHTING FIXTURE SUPPORT SYSTEM WHICH IS MECHANICALLY FASTENED TO STEEL CEILING BEAMS.

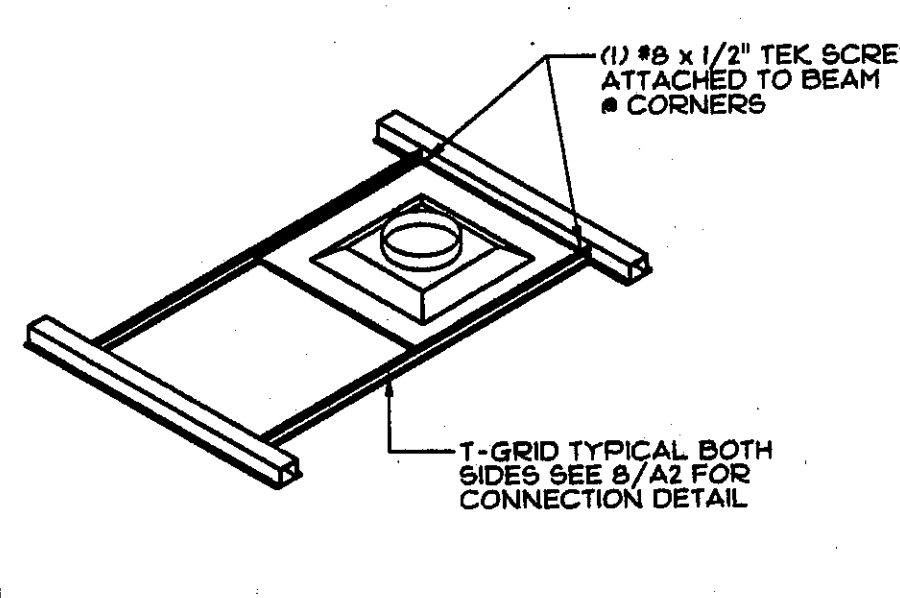
24' x 40' REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

2 TYPICAL T-GRID
SCALE: FULL

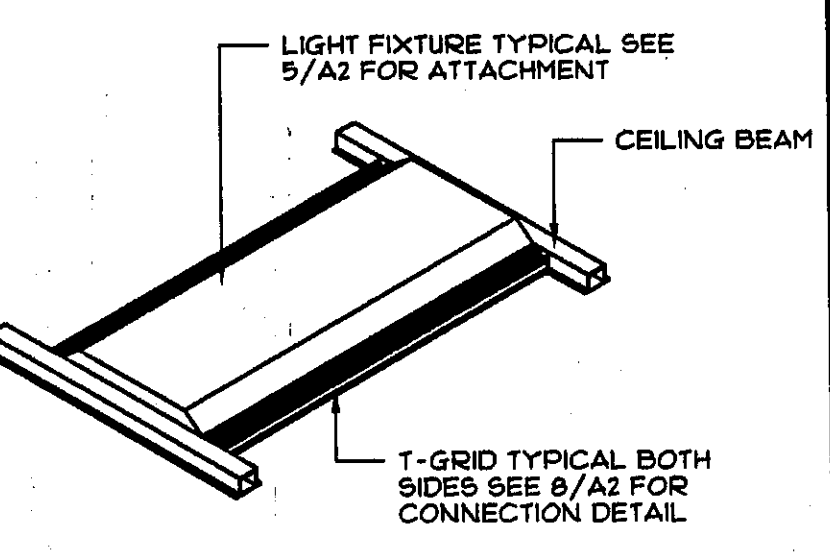


NOTE: T-GRID TO BE DONN CORP. CROSS TEE 1 DX424 OR CHICAGO METALLIC CORP. .020 TEE GRID, 400 SERIES OR EQUAL.

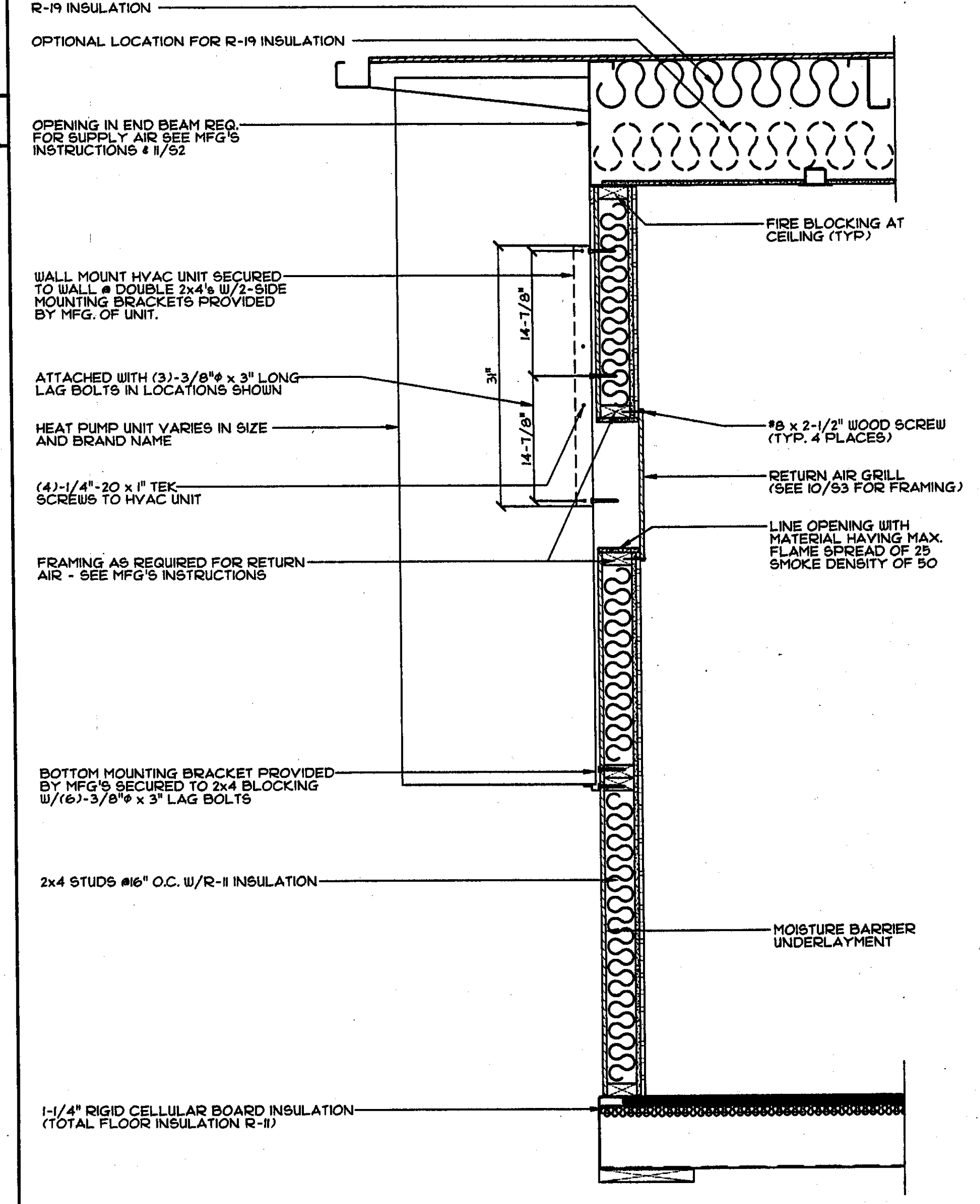
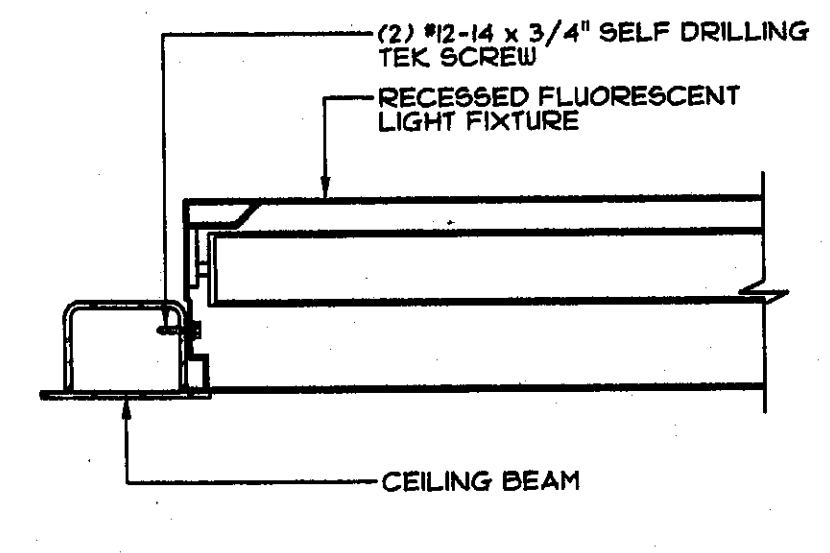
3 SUPPLY AIR REGISTER
SCALE: 1/2"=1'-0"



4 DROP-IN LIGHT FIXTURE
SCALE: 1/2"=1'-0"



5 LIGHT FIXTURE SUPPORT
SCALE: 3/4"=1'-0"



HVAC @ WALL SECTION
SCALE: 1"=1'-0"

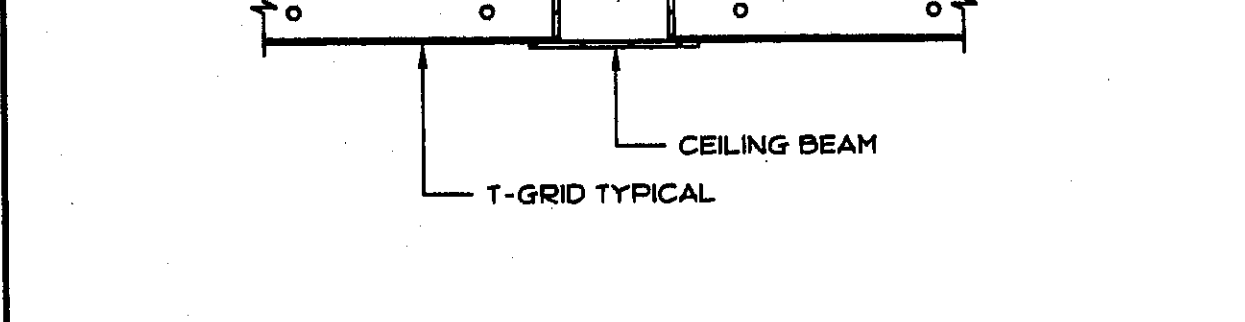
1. HEAT PUMP
SINGLE PACKAGE WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARDS 240-17, (UL LISTED) REFERENCE BRANDS: SUN HV43H-1-08-C (OR EQUAL) BARD UM421-A-XXXXXB (OR EQUAL) INTERTHERM PWTB-042KD10 (OR EQUAL)
WIRING AND MNTG. INSTALLATION OF UNIT PER MANUFACTURER'S INSTRUCTIONS.
A) TWO SPEED INDOOR BLOWER MOTOR TO REDUCE INDOOR NOISE LEVEL.
B) RE-CIRCUIT 8 KW HEAT STRIP (HEATER CAN BE SERVICED ELECTRICALLY BY 60 AMP BREAKER, COMPRESSOR BY 90 AMP BREAKER) MAXIMUM TOTAL AMPS: 68 @ MIN. 240 VOLTS. MINIMUM CIRCUIT AMPACITY: HEATER 90 AMPS, COMPRESSOR 33.3 AMPS.
C) LOW TEMPERATURE OUTDOOR THERMOSTAT TO A9915T CIRCUITING DURING THE HEATING MODE.
D) COOLING: 39,406 BTU HR (95°F) HEATING 43,000 BTU HR (47°F)
E) WEIGHT: 910# MAX
AIR FILTERS:
AN APPROVED TYPE TESTED IN ACCORDANCE WITH TEST METHOD 6 SFM-12-T1-A5 SHOWN IN PART 2, TITLE 24, CALIFORNIA CODE OF REGULATIONS. PREFORMED FILTERS HAVING COMBUSTIBLE FRAMING SHALL BE TESTED AS A COMPLETE ASSEMBLY. AIR FILTERS IN ALL OCCUPANCIES SHALL BE CLASS 2 OR BETTER, AS DEFINED IN THE TEST METHOD ABOVE. AIR FILTERS SHALL BE ACCESSIBLE FOR CLEANING OR REPLACEMENT.

2. CONTROLS:
THERMOSTAT: WHITE-ROGERS IF92 DIGITAL (TAMPER PROOF). MAX +60' FROM FLOOR (+48' MAX IF NON-SEALED TYPE).

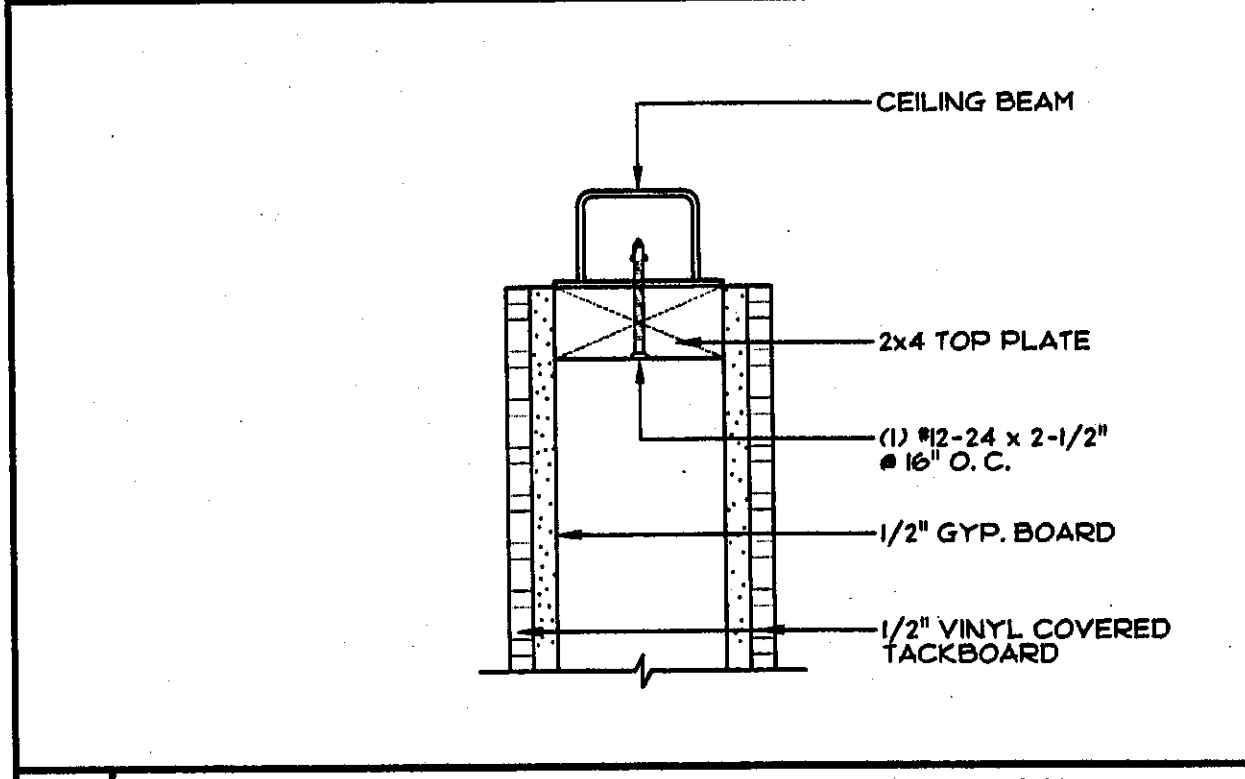
3. DUCTS: MAY BE CLASS "H" OR "O"
FACTORY MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF U.M.C. STANDARDS NO. 6-1. EACH PORTION OF A FACTORY MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE U/UMC STANDARD NO. 6-1 AND ITS CLASS DESIGNATION. THESE DUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING. INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN BUILDING SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVE AS NORMALLY APPLIED. MATERIAL EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50

8 H.V.A.C. SPECIFICATIONS

9 T-GRID CONNECTION DETAIL
SCALE: 3/4"=1'-0"



10 WALL ATTACHMENT DETAIL
SCALE: 3/4"=1'-0"



11 APPROVALS

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WIND: 80 MPH; EXPOSURE: C
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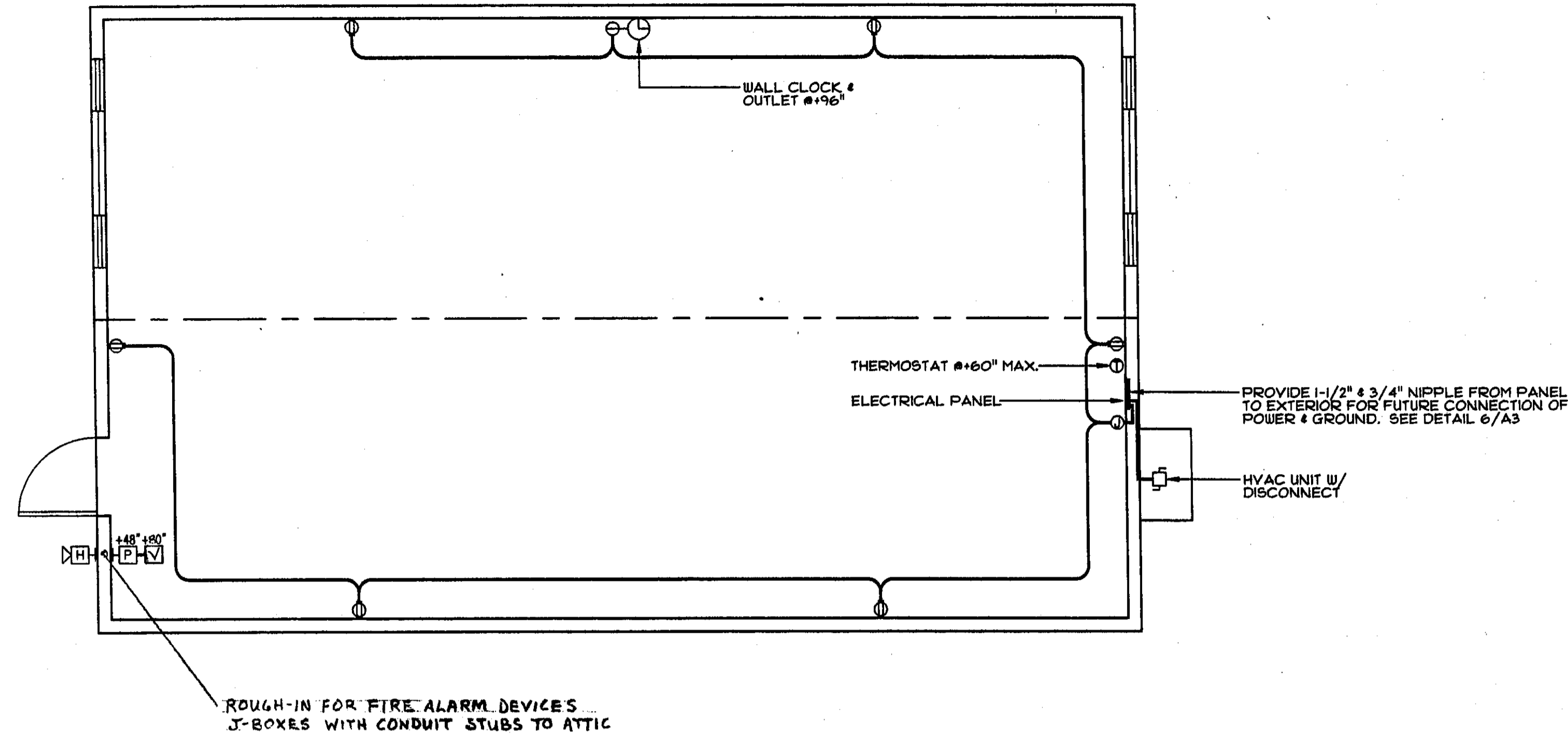
MECHANICAL & REFLECTED CEILING PLANS - HVAC @ WALL SECTION DETAILS - HVAC SPECIFICATIONS

REVISION DATE: BY:

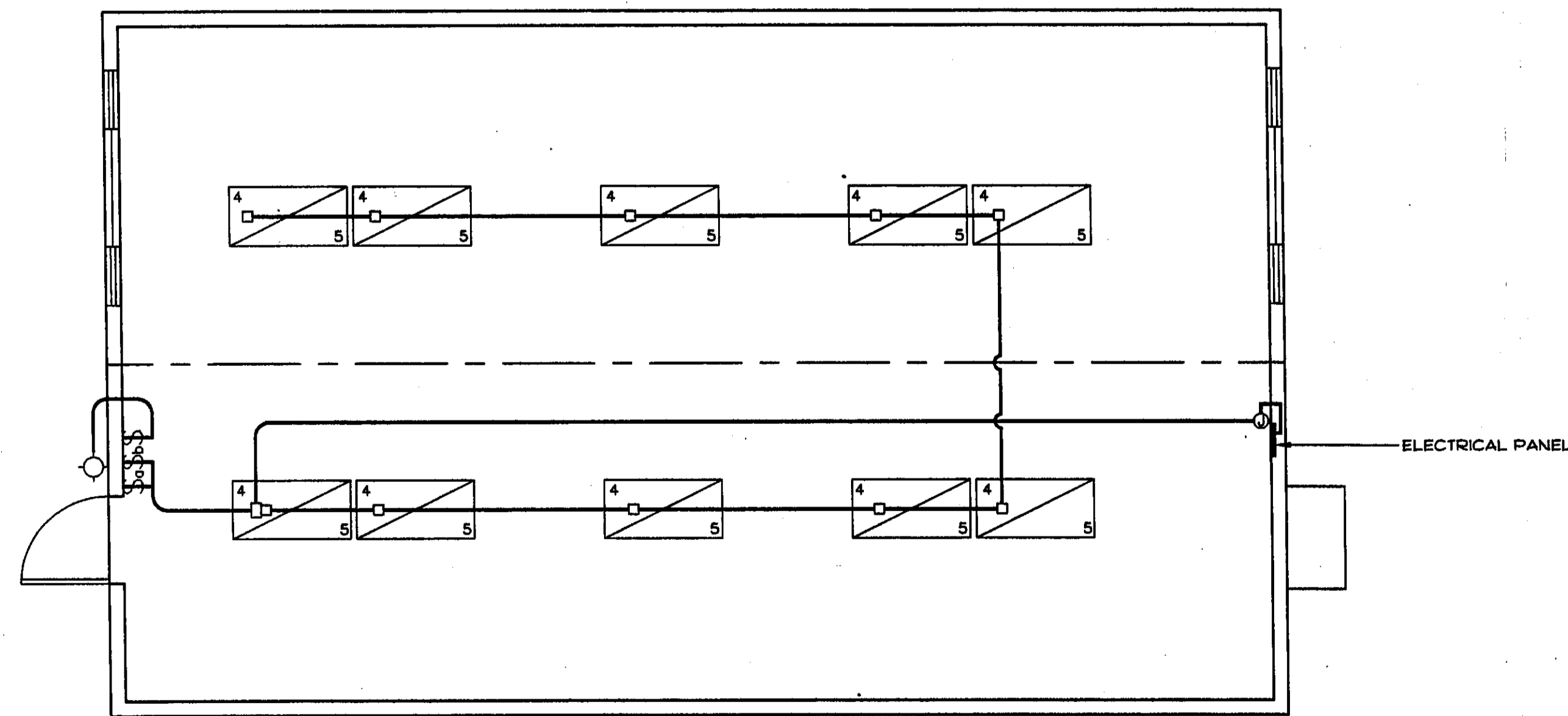
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A2



1 24' x 40' ELECTRICAL POWER & SIGNAL PLAN
SCALE: 1/4" = 1'-0"



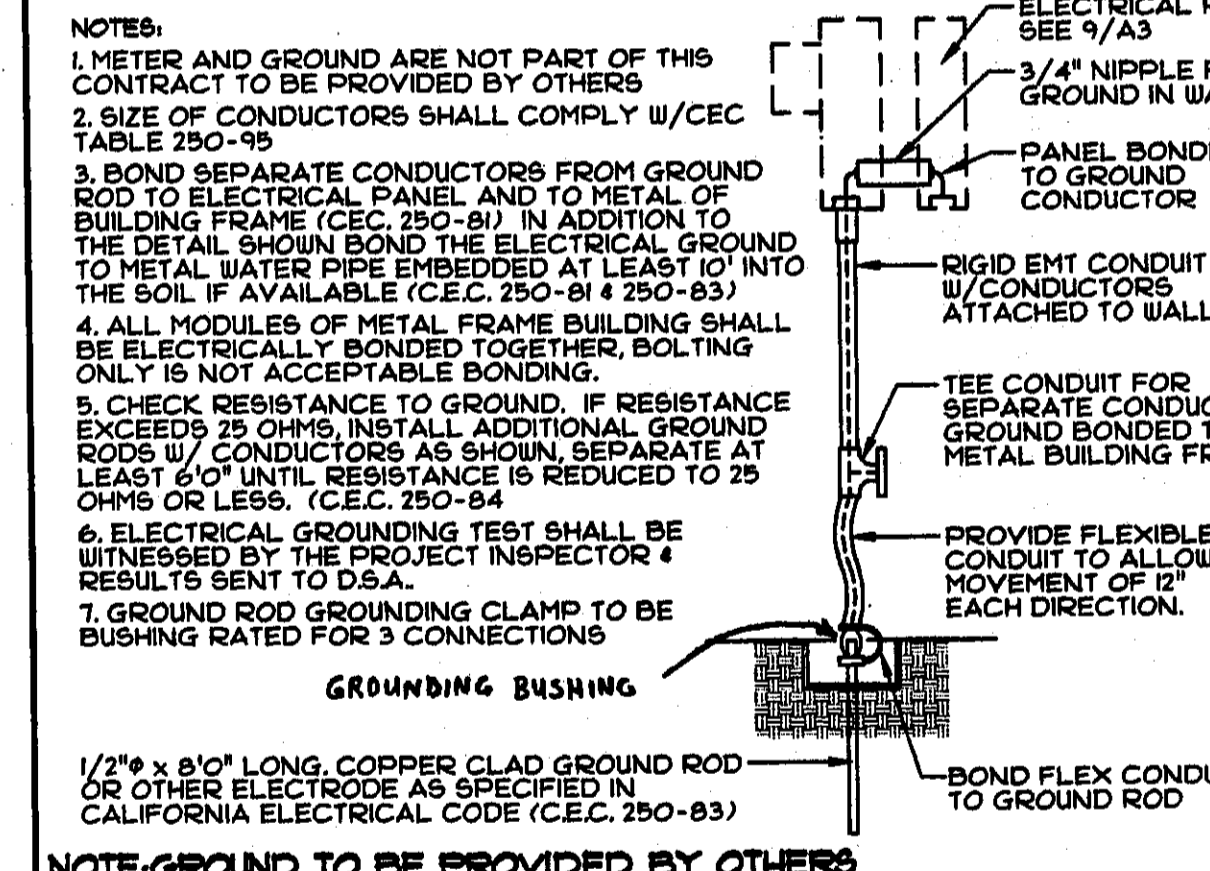
8 24' x 40' ELECTRICAL LIGHTING PLAN
SCALE: 1/4" = 1'-0"

- FIRE ALARM: FURNISHED BY OWNER AND SHALL CONFORM TO THE CALIFORNIA BUILDING CODE SECTION 305.9 AND CALIFORNIA ELECTRICAL CODE ARTICLE 160.
- INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY O.R.S.
- 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 PROJECT INSPECTOR.

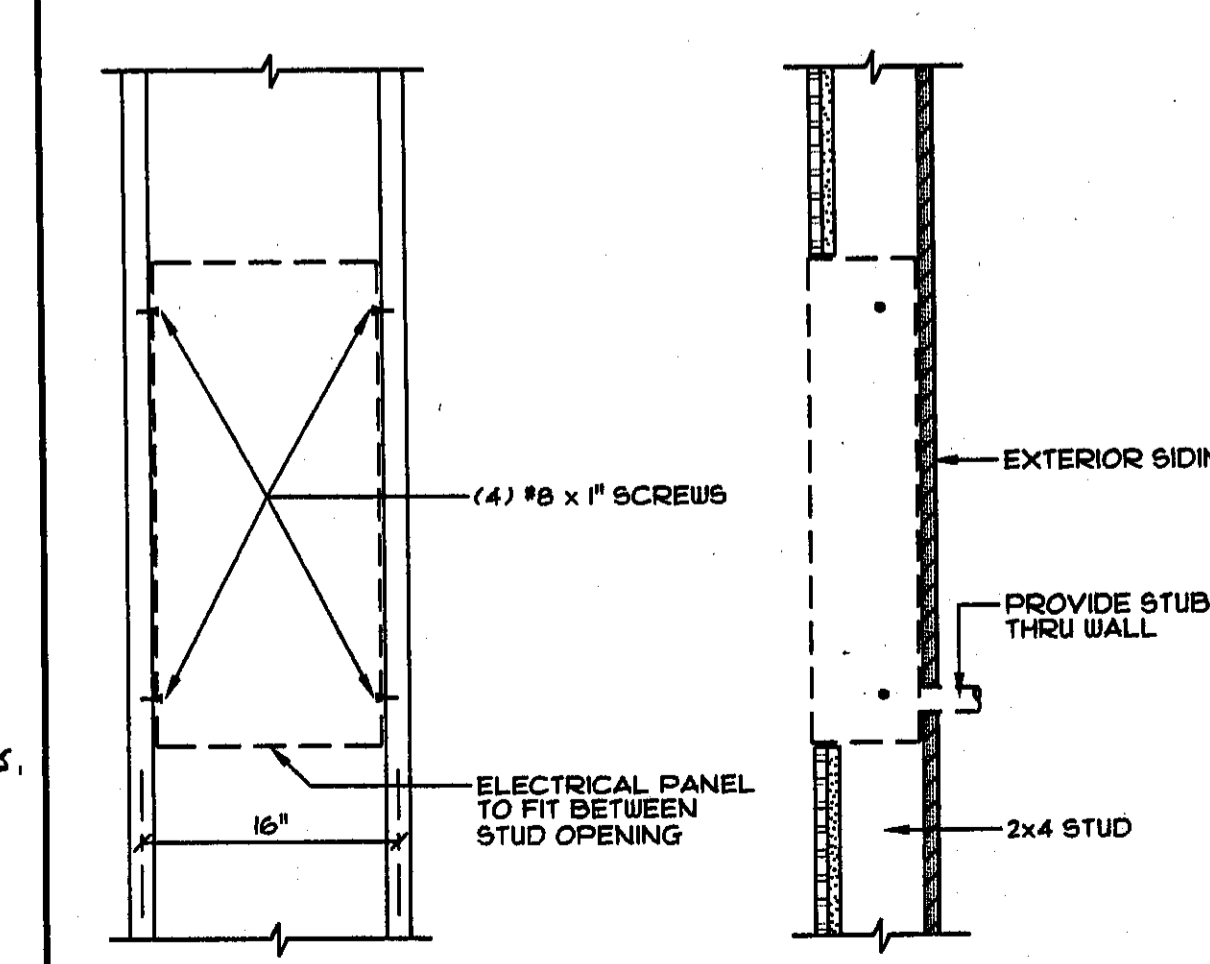
2 FIRE PROTECTION

- ⊕ DUPLEX RECEPTACLE #48" MIN. FROM FLOOR
- Ⓢ PROGRAMMABLE DIGITAL THERMOSTAT FOR HVAC UNIT #48" MAX. FROM FLOOR SEALED (NON USER OPERABLE)
- Ⓢ WALL CLOCK W/ SINGLE CLOCK RECEPTACLE
- Ⓢ JUNCTION BOX ABOVE IN CEILING OR WALLS
- Ⓢ WATER PROOF BELL BOX UNDER EAVE #48" FOR FUTURE FIRE ALARM AUDIBLE WARNING DEVICE - SEE NOTE NO. 1 OF FIRE PROTECTION
- Ⓢ OUTLET BOX #48" TO CENTER FOR FUTURE FIRE ALARM PULL STATION - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- Ⓢ OUTLET BOX #48" TO CENTER FOR FUTURE FIRE ALARM VISUAL WARNING DEVICE - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- Ⓢ OUTLET BOX #48" TO CENTER FOR FUTURE INTERCOM SYSTEM
- Ⓢ EXTERIOR INCANDESCENT LIGHT FIXTURE
- Ⓢ LIGHT SWITCH #48" MAX. TO CENTER FROM FLOOR

4 ELECTRICAL SYMBOLS



6 ELECTRICAL GROUND



9 ELECTRICAL PANEL MTG. DETAIL
SCALE: 1/4" = 1'-0"

- WALL CLOCK: 12" #48" FROM FLOOR WITH EAGLE CLOCK RECEPTACLE 15 VAC, R#H INC. OR EQUAL
- PANEL BOARDS: FLUSH MOUNTED W/ HINGED DOORS AND INDEXED CARD HOLDERS CIRCUIT BREAKER(S) WILL HAVE AN APPROPRIATE UL LABEL LISTED.
- RECEPTACLES: LEVITON, HUBBEL OR EQUAL #48" MIN.
- LIGHT SWITCHES: LEVITON, HUBBEL OR EQUAL #48" MAX.
- LIGHTING FIXTURE: 2' x 4' FLUORESCENT DROP-IN TYPE FIXTURES WITH 35 WATT LAMPS AND ENERGY SAVING BALLAST. CRECENT, LITHONIA OR EQUAL.
- ELECTRIC METALLIC TUBING: COUPLINGS AND FLEX CONDUIT GALVANIZED OR SHERARDIZED.
- CONDUCTORS: COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES, MINIMUM SIZE #12. LIGHTING & OUTLETS USE MINIMUM SIZE #12, SIZE HVAC WIRING PER LOAD.
- SEE SHEET A2 FOR HVAC & THERMOSTAT SPECIFICATION.

3 ELECTRICAL SPECIFICATIONS

- CERTIFIED LUMINARIES/BALLASTS PER SEC. 2-5314 (b).
- INDEPENDENT CONTROL WITHIN ENCLOSED AREAS PER SEC. 2-5319 (a).
- MANUAL SWITCHING READILY ACCESSIBLE PER SEC. 2-5319 (b).
- REDUCTION OF LIGHTING LOAD TO AT LEAST 50% PER SEC. 2-5319 (c)
- SEPARATE SWITCHING OF DAYLITE AREAS PER SEC. 2-5319 (d).
- TANDEM WIRING OF 4 LAMP LUMINARIES PER SEC. 2-5319 (h).

5 ELECTRICAL ENERGY COMPLIANCE

PANEL SCHEDULE: "A" NEMA-1 VOLTS: 120/240
MOUNTING: FLUSH AMP: 100 WIRE: 3W
INTERIOR PHASE: 1ø

DESCRIPTION	LOAD	BRKR	BRKR	LOAD	DESCRIPTION
HVAC UNIT	10580	50	1	2	750 LIGHTING-A
		2	3	4	750 LIGHTING-B
		5		6	1800 OUTLETS
		7		8	1800 OUTLETS
		9		10	
		11		12	
		13		14	
		15		16	
		17		18	
		19		20	
		21		22	
		23		24	
	10.6	KVA	TOTAL	5.1	

7 PANEL SCHEDULE "A"

DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02 101473
DATE 8/31/99

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-271
DATE 5/10/96

DESIGN CRITERIA

ROOF: DEAD LOAD - 8.0 PSF
ROOF: LIVE LOAD - 20.0 PSF (SNOW)

FLOOR: DEAD LOAD - 8.0 PSF
FLOOR: LIVE LOAD - 50.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD - 70.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD - 125.0 PSF

WALLS: DEAD LOAD - 8.0 PSF
WIND: 80 MPH; EXPOSURE: C
qs=16.4 PSF; Ce=1.06; Cq AS REQ.
SEISMIC: ZONE 4, R=6, C=2.75

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10 APPROVALS

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PROFESSIONAL SEAL
JH LAWDER
NO. 52310
EXP. 3-31-97
STRUCTURAL ENGINEER
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA 95215

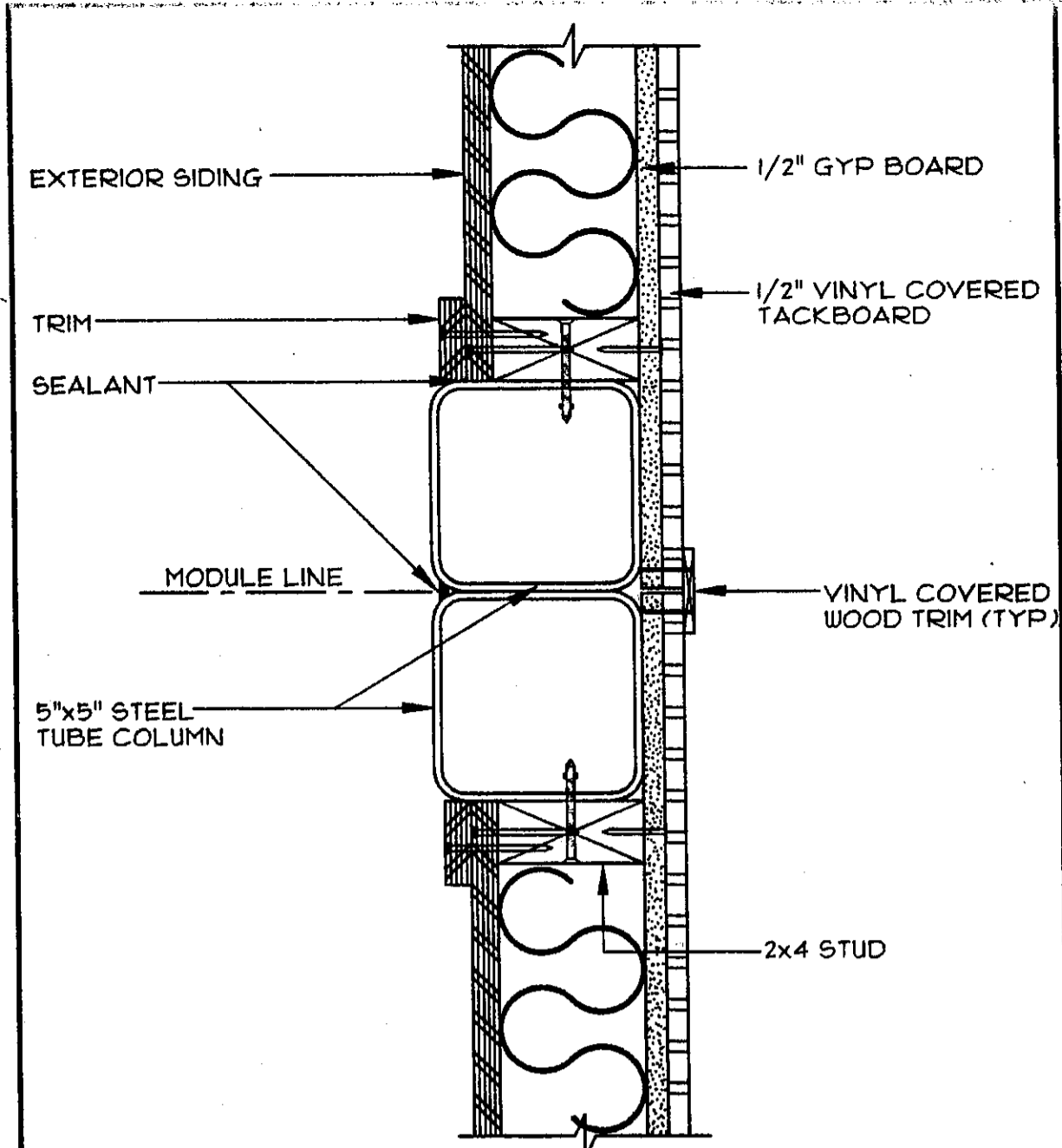
ELECTRICAL POWER & SIGNAL PLAN
ELECTRICAL LIGHTING PLAN
DETAILS - ELECTRICAL NOTES

REVISION DATE: BY:

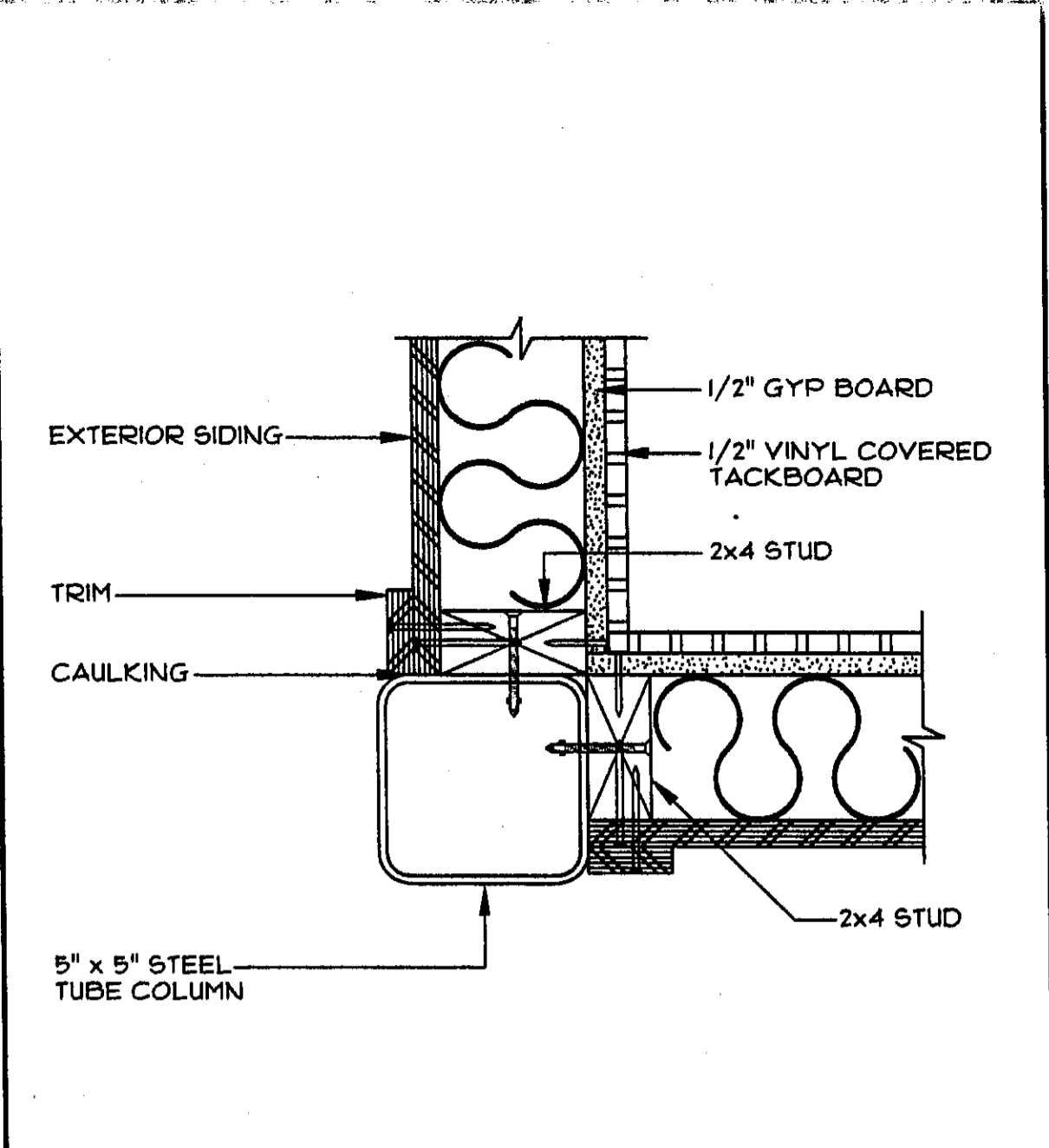
DATE: _____

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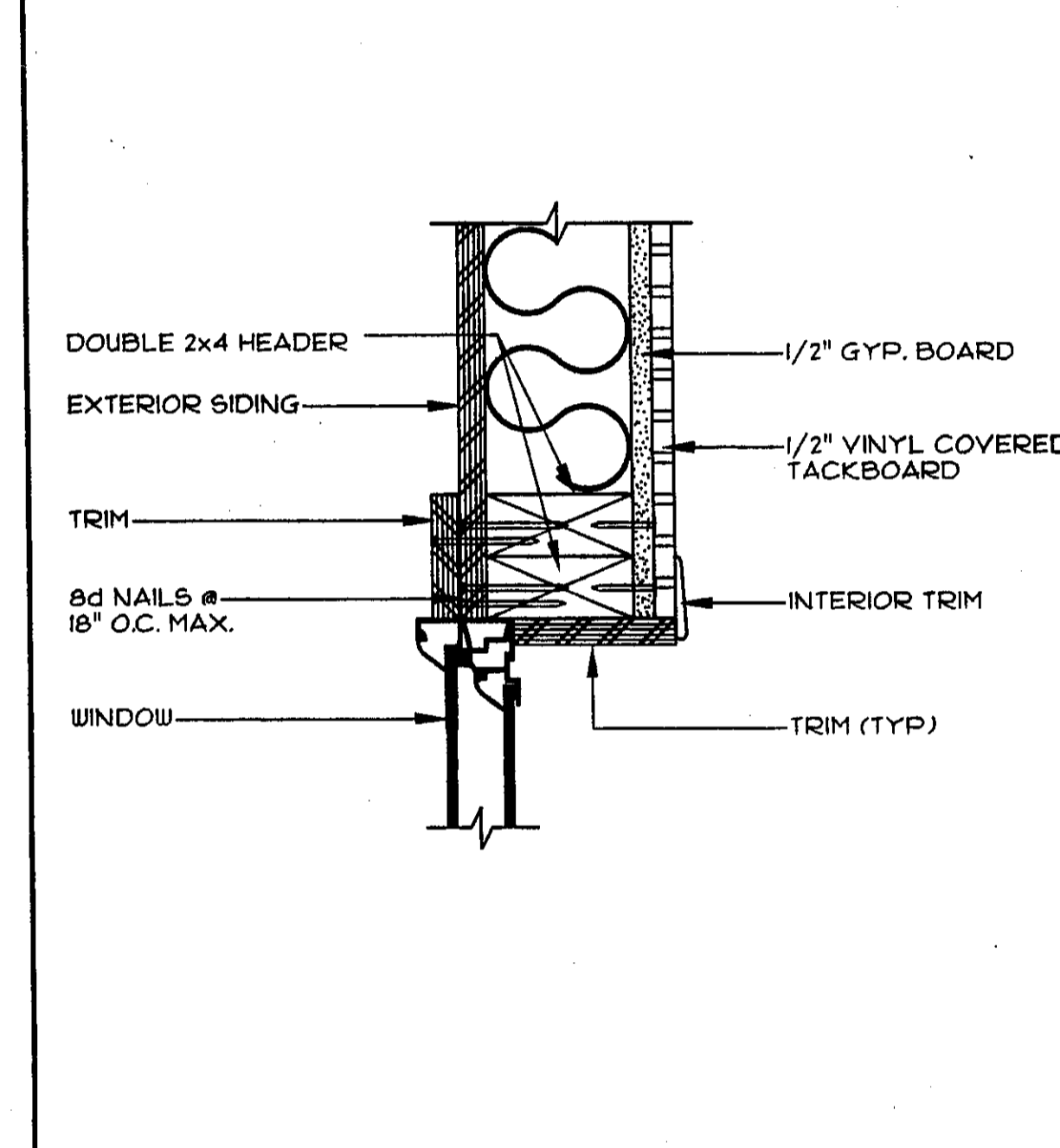
A3



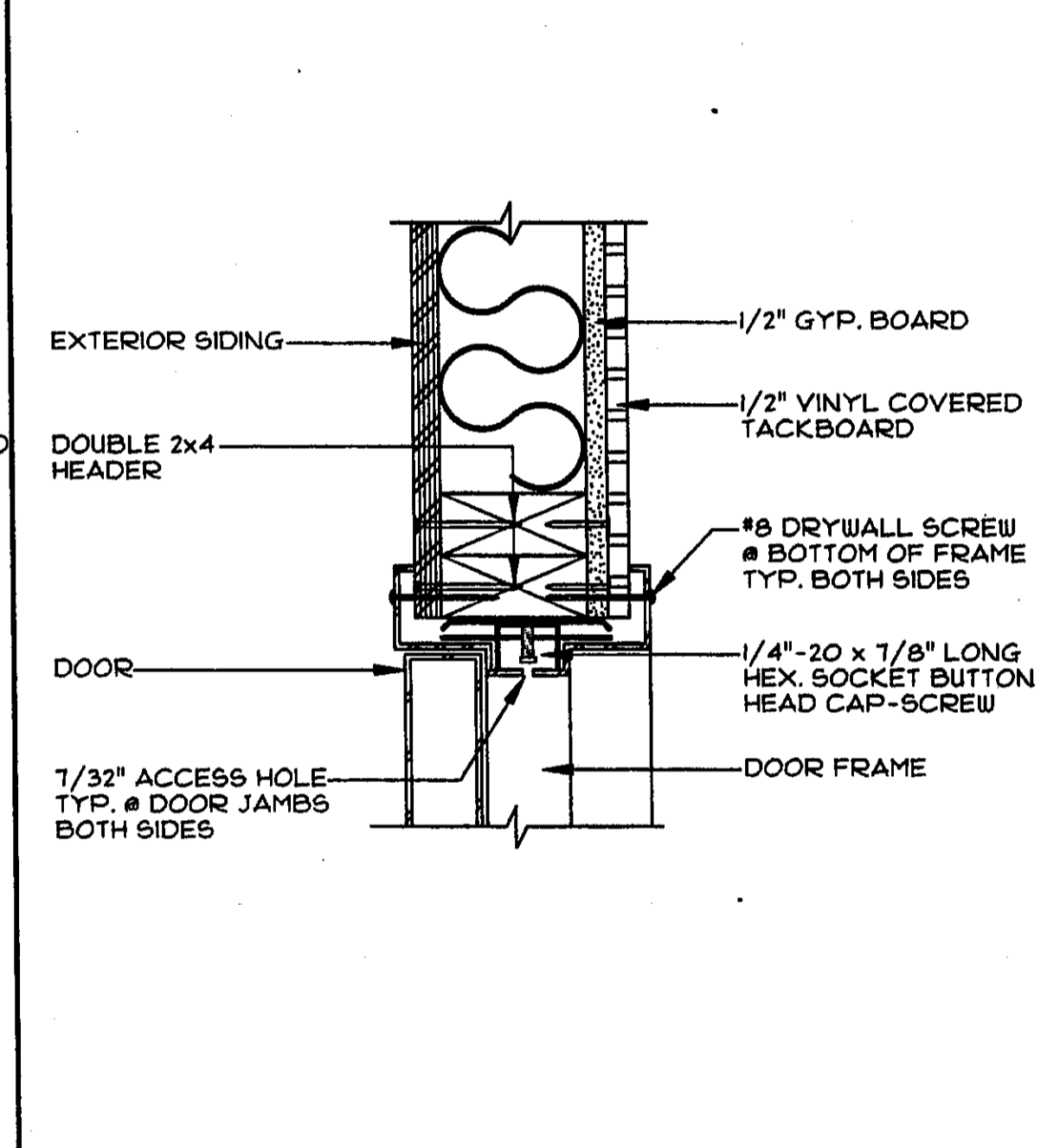
1 COLUMN SECTION AT MOD-LINE
SCALE: 3/4" = 1'-0"



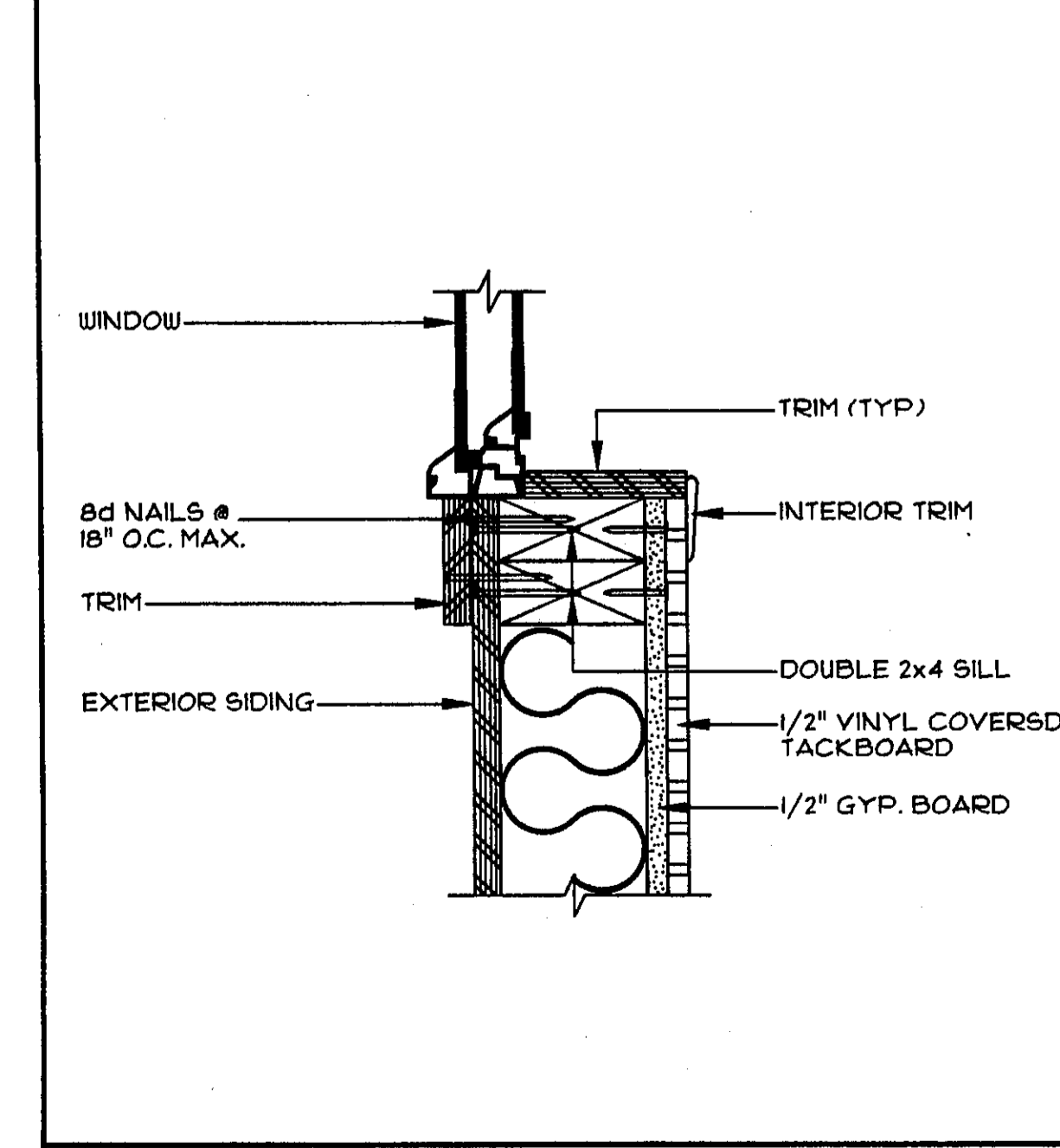
2 COLUMN SECTION @ CORNER
SCALE: 3/4" = 1'-0"



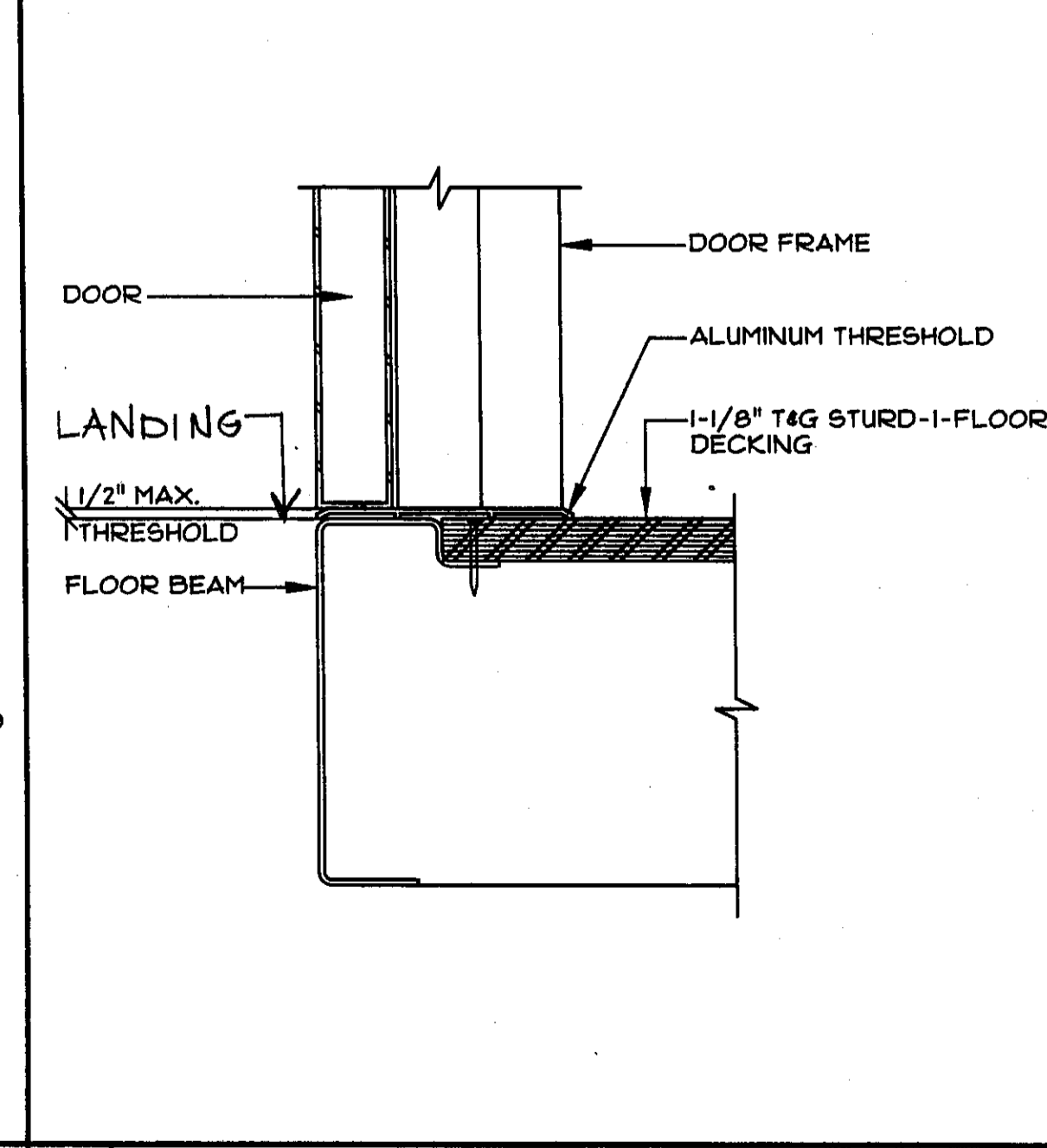
3 WINDOW HEADER (JAMB SIM'L)
SCALE: 3/4" = 1'-0"



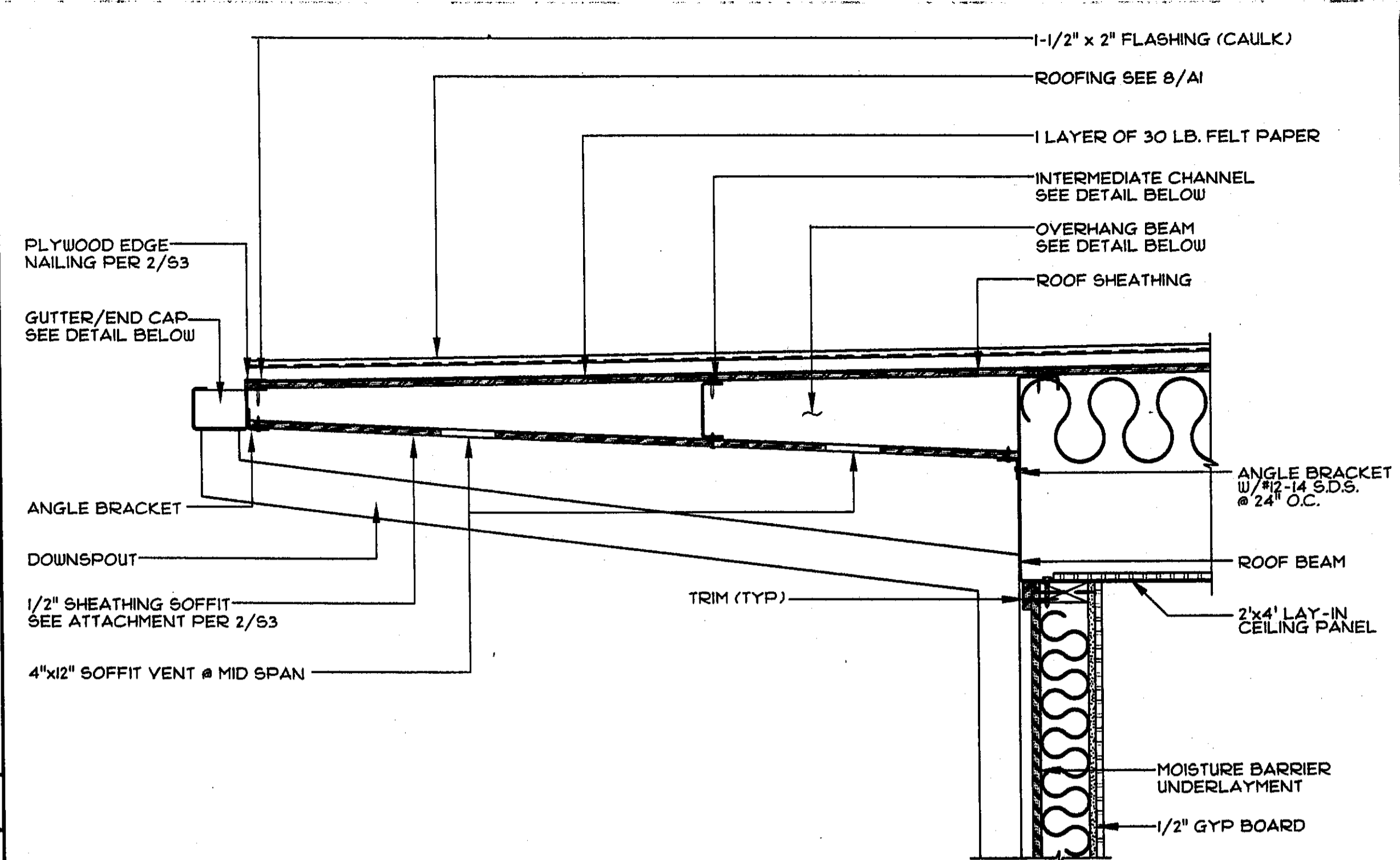
4 DOOR HEAD (JAMB SIM'L)
SCALE: 3/4" = 1'-0"



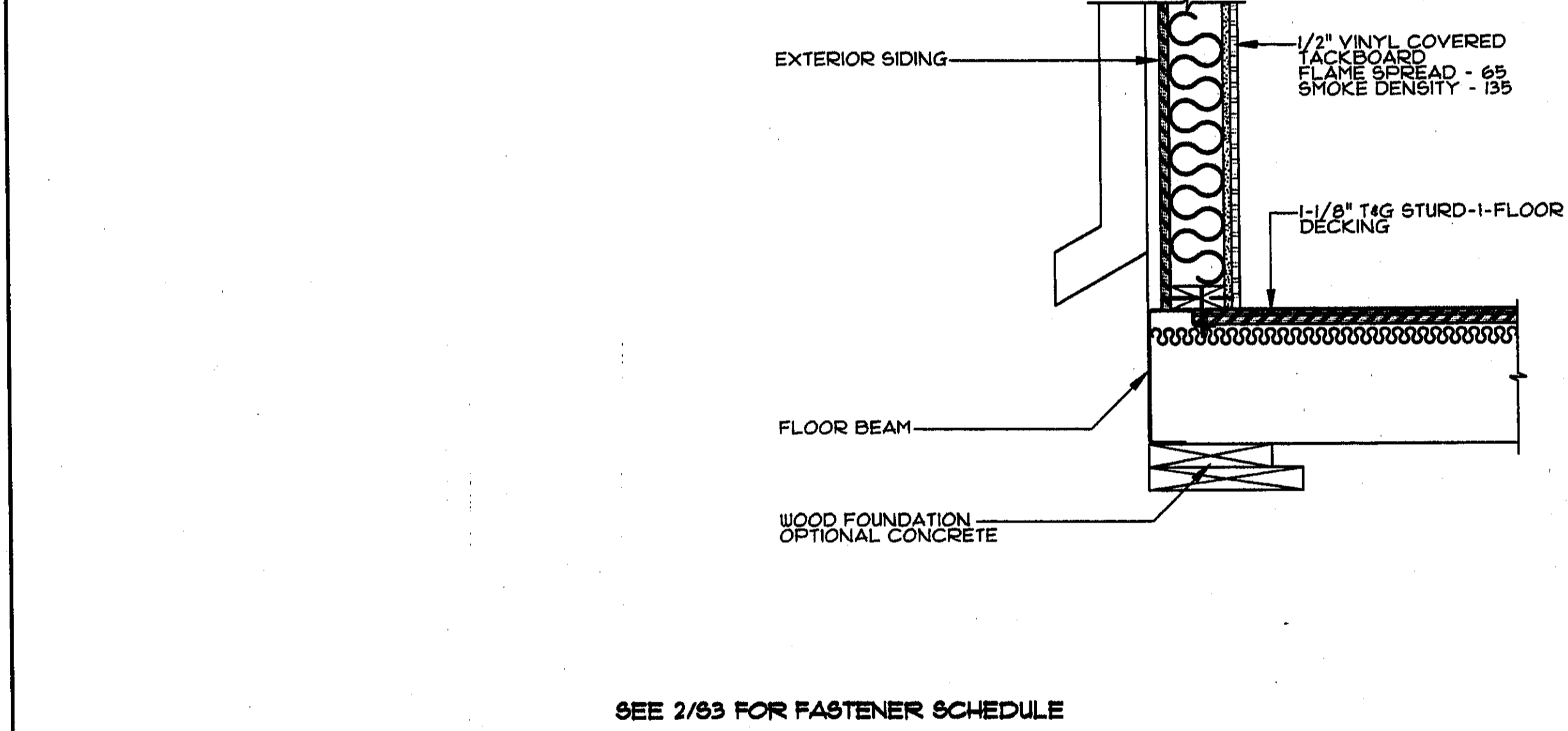
5 WINDOW SILL
SCALE: 3/4" = 1'-0"



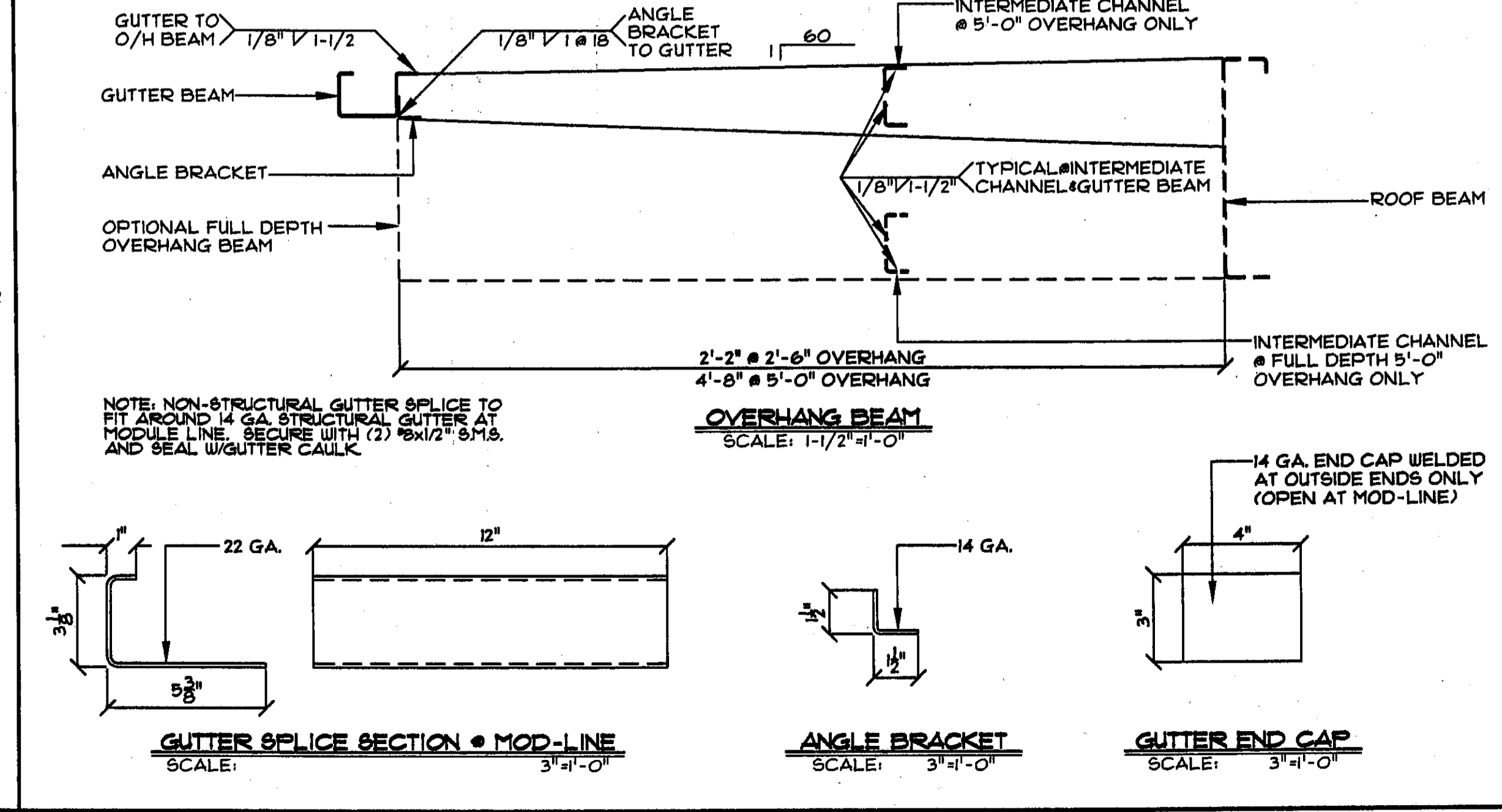
6 DOOR SILL
SCALE: 3/4" = 1'-0"



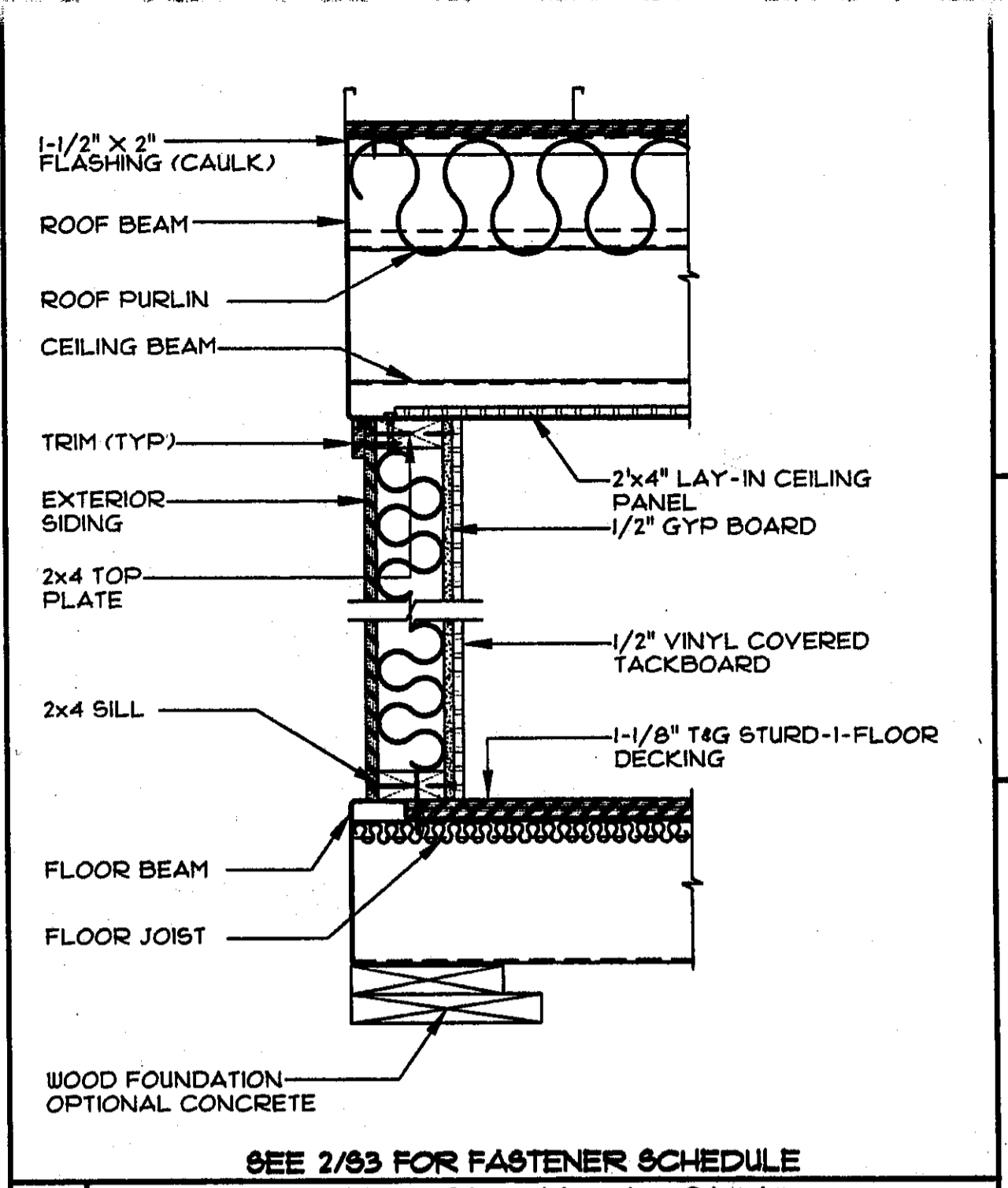
7 WALL SECTION - FRONT AND REAR
SCALE: 1-1/2" = 1'-0"



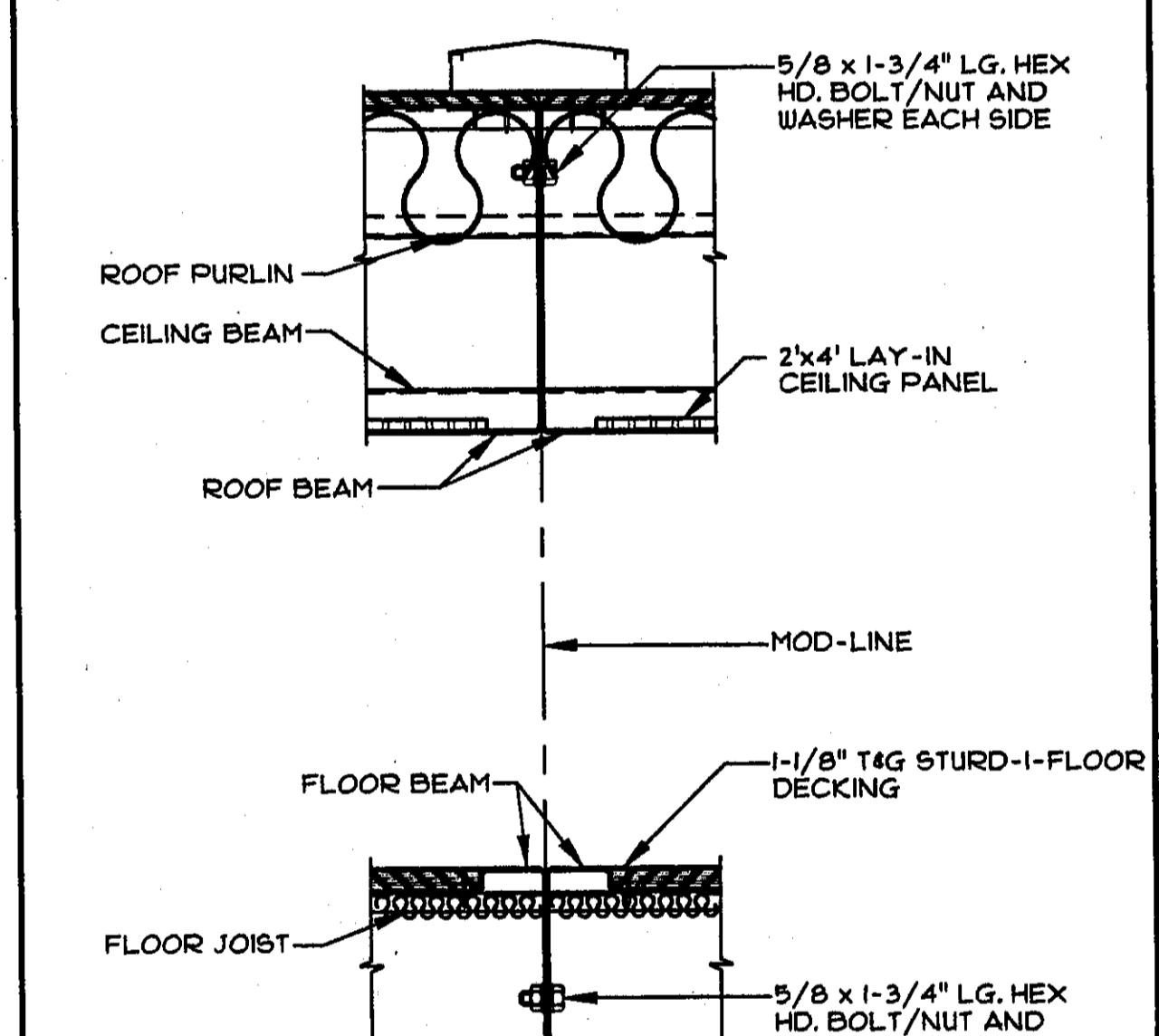
7 WALL SECTION - FRONT AND REAR
SCALE: 1-1/2" = 1'-0"



8 OVERHANG SECTION & GUTTER DETAILS
SCALE: AS NOTED



9 WALL SECTION - SIDE
SCALE: 1-1/2" = 1'-0"



9 WALL SECTION - SIDE
SCALE: 1-1/2" = 1'-0"

10 WALL SECTION AT MOD-LINE
SCALE: 1-1/2" = 1'-0"

DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES

REGULATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
102 101478
DATE 5/10/96

IDENTIFICATION STAMP
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FLOOR: LIVE LOAD - 50.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD - 70.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD - 125.0 PSF
WALLS: DEAD LOAD - 8.0 PSF
WIND: 80 MPH; EXPOSURE: C
qs=16.4 PSF; Ce=1.06; Cq AS REQ.
SEISMIC: ZONE 4, R=6, C=2.75

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Exp. 3-31-97
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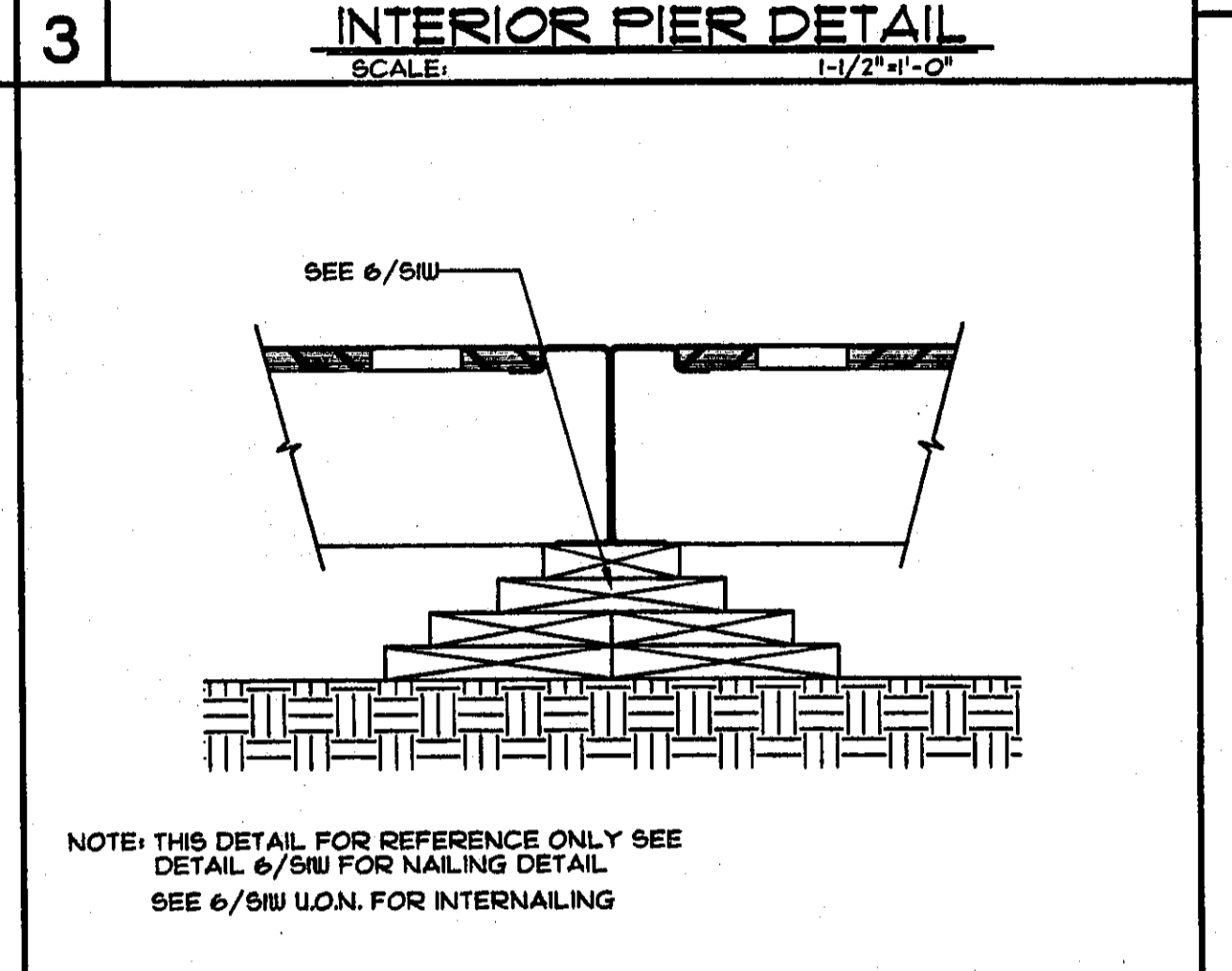
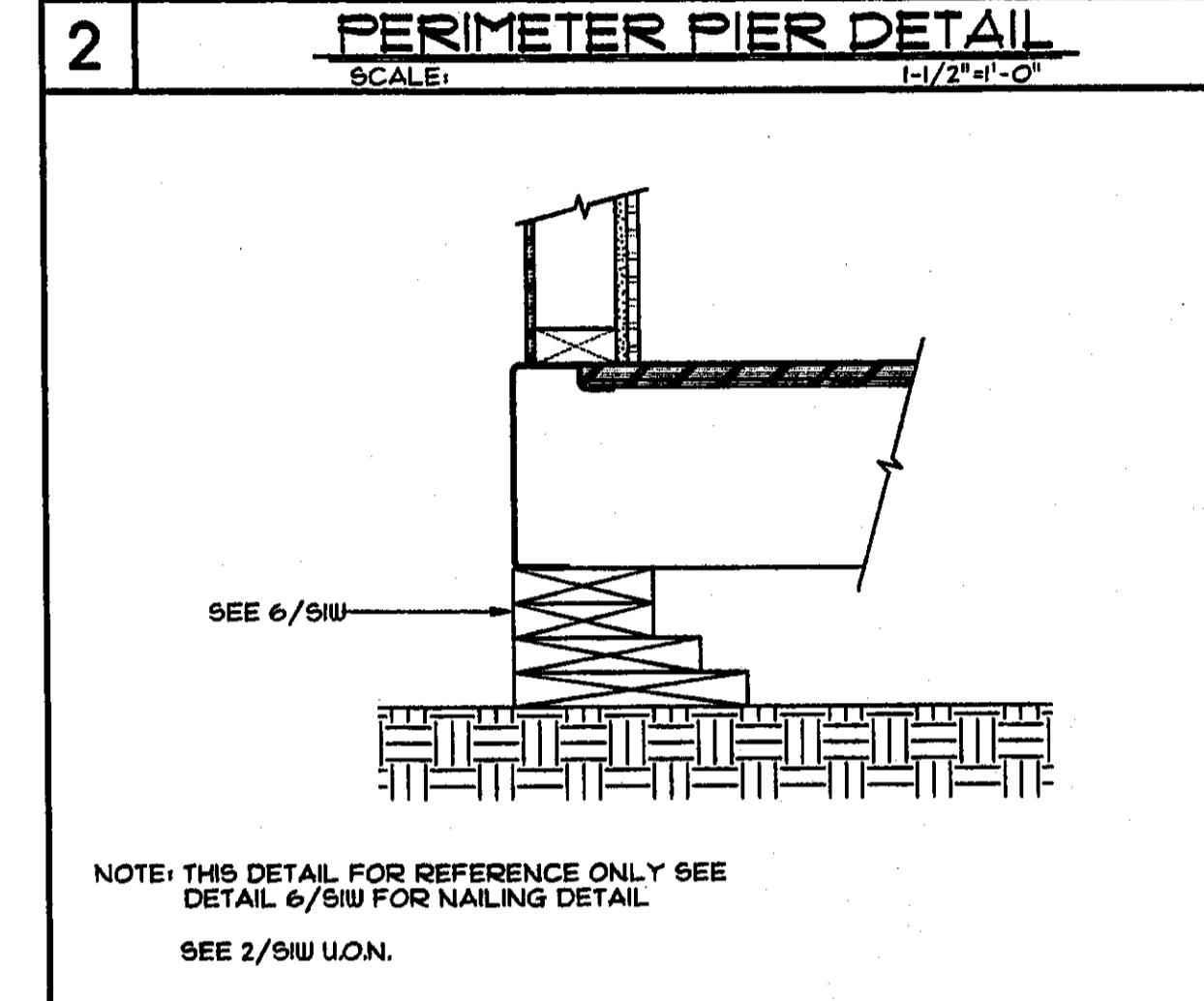
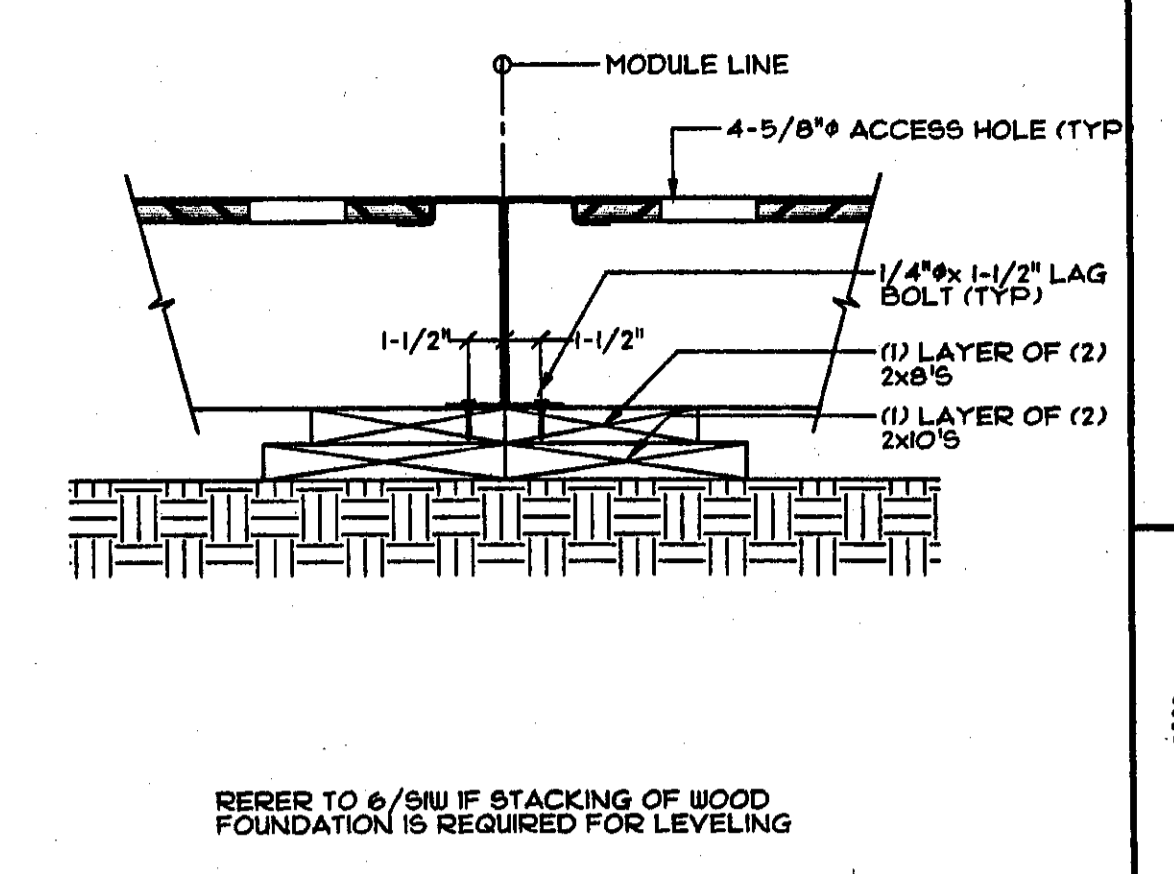
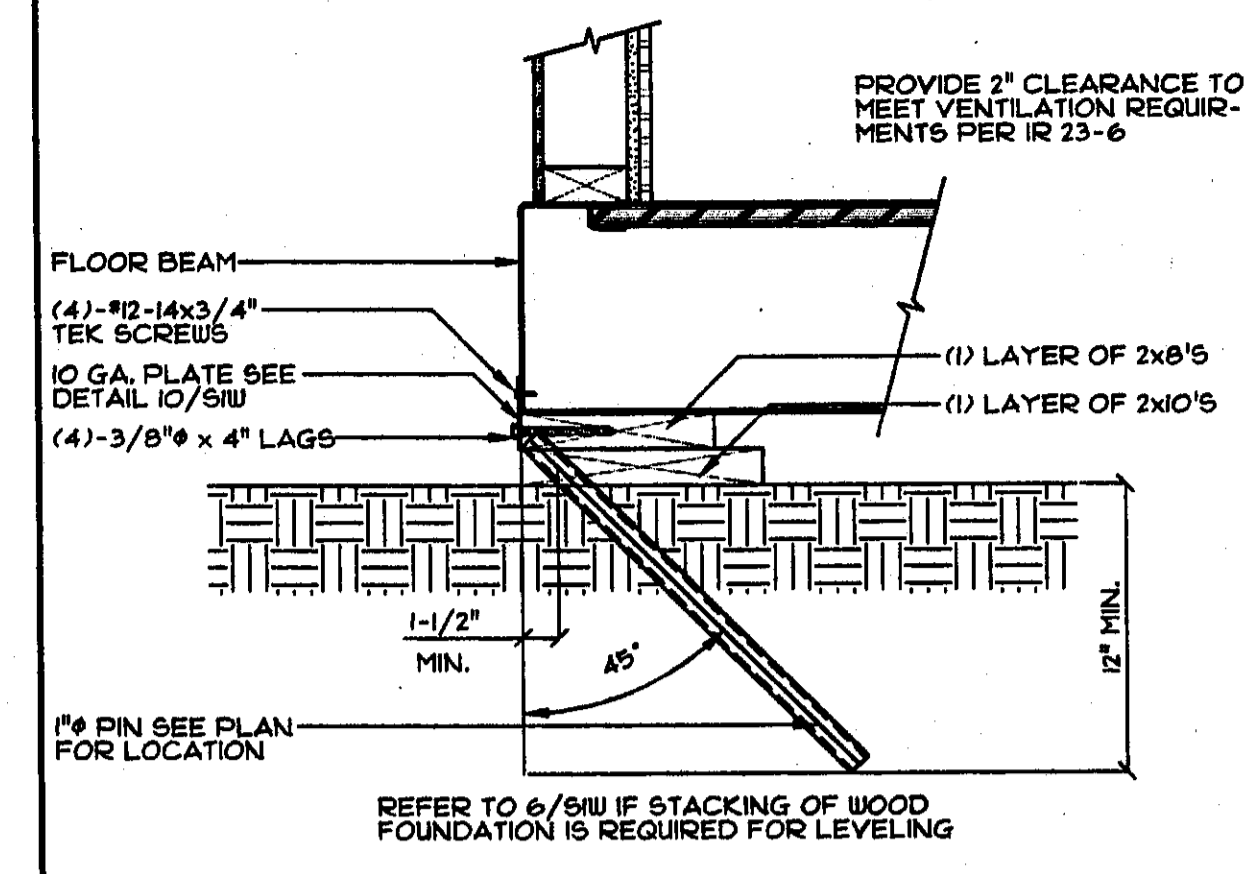
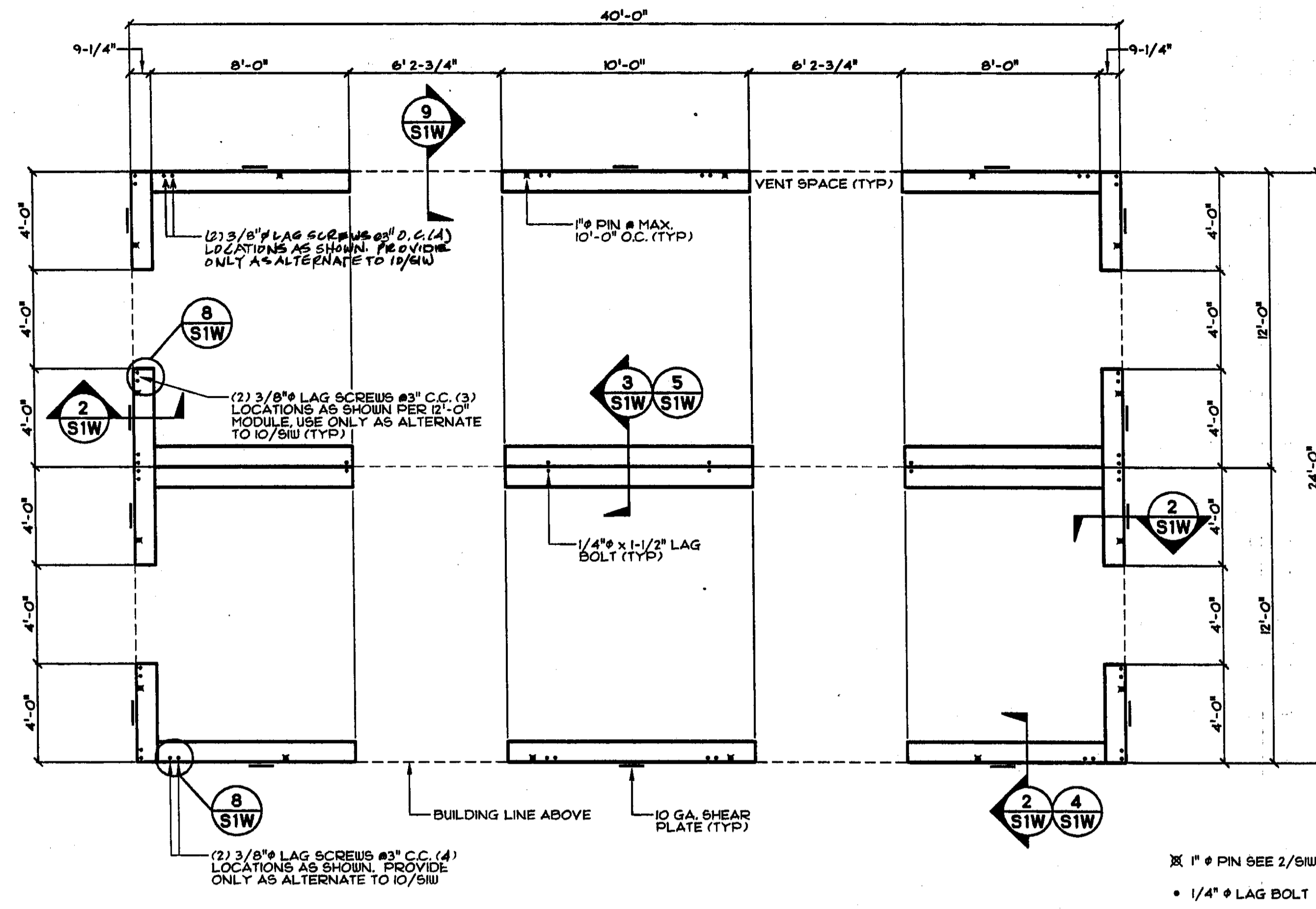
ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

SECTIONS AND DETAILS

REVISION DATE: BY:

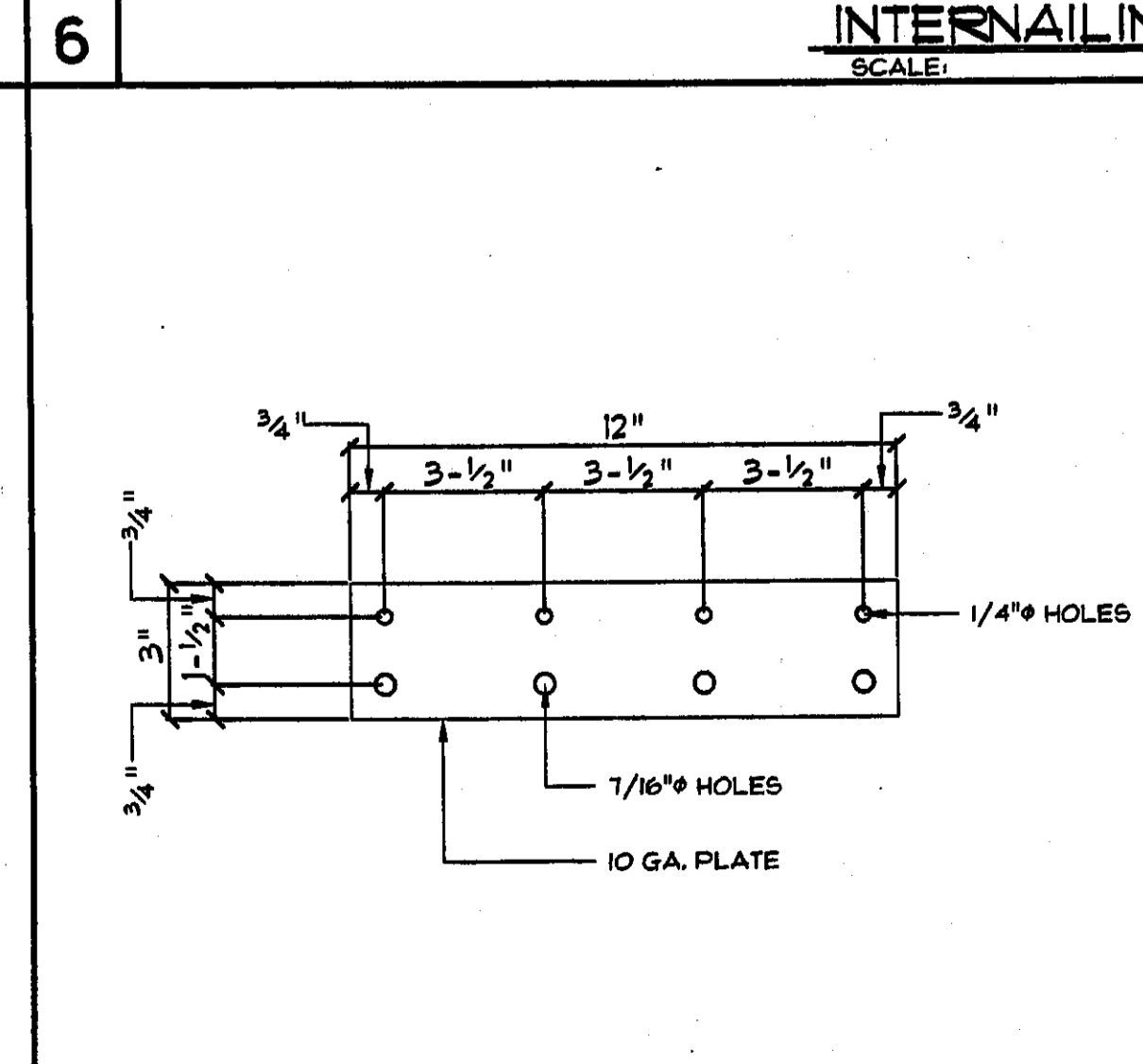
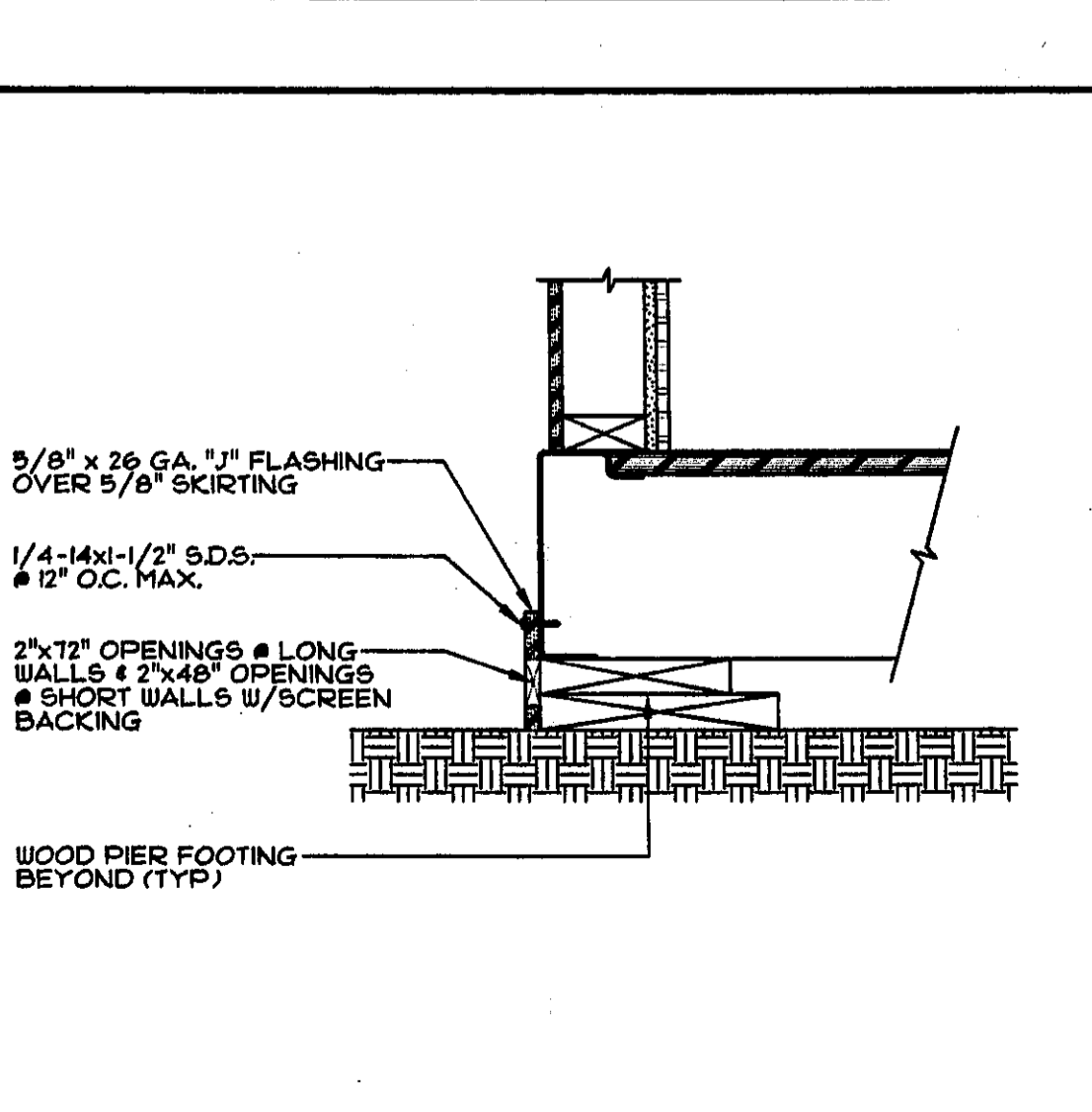
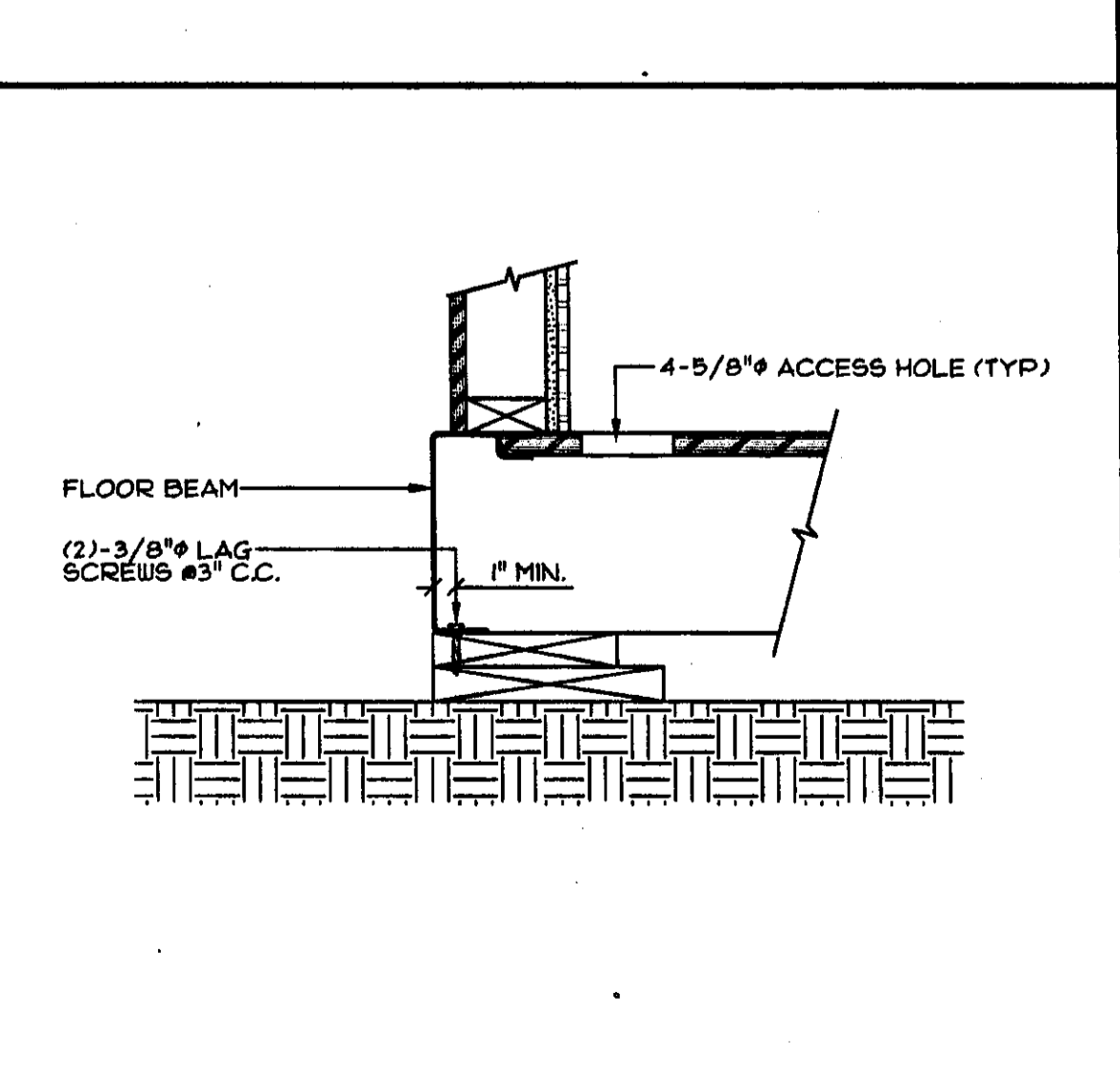
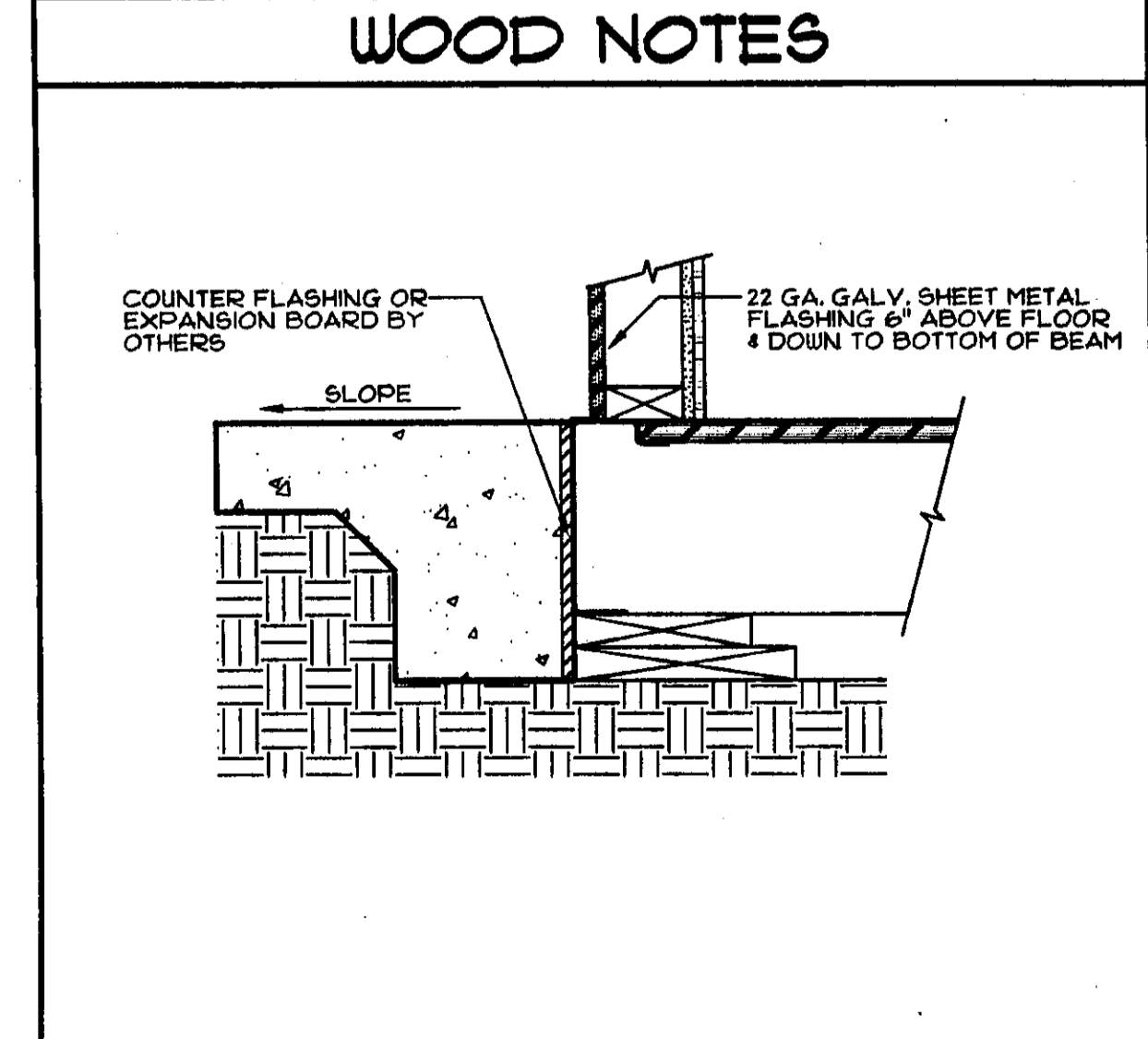
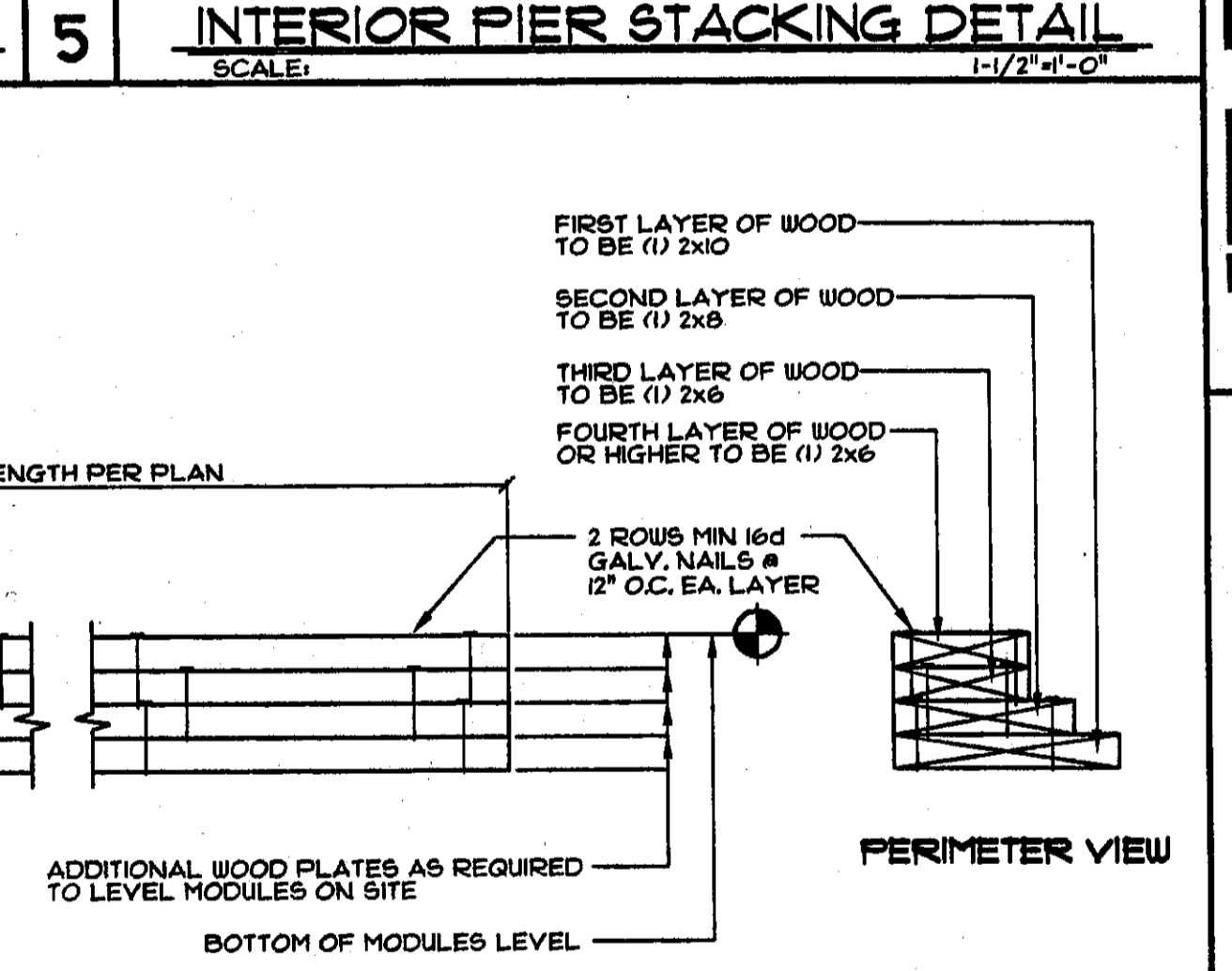
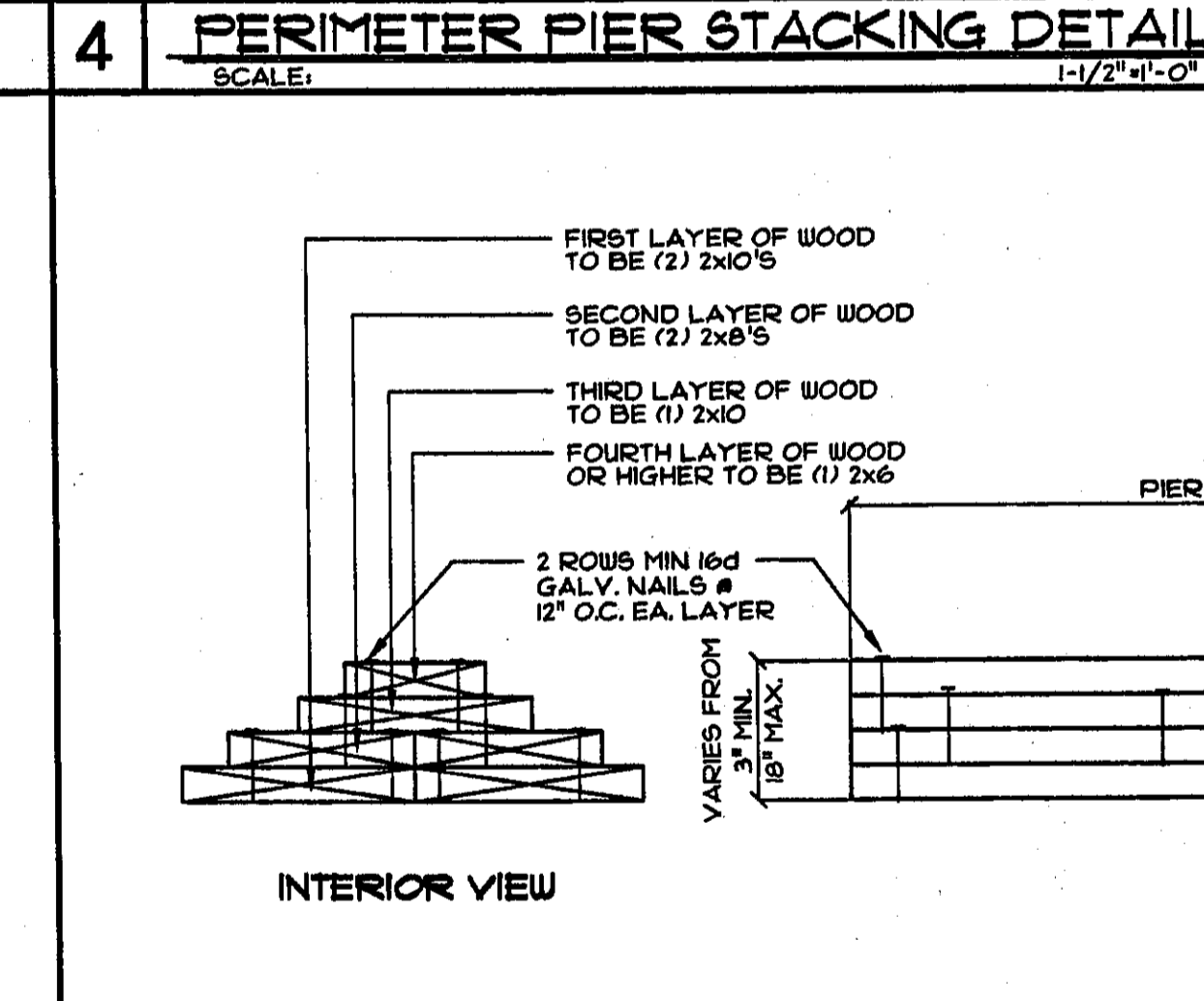
DATE:

A4



WOOD NOTES

- BOTTOM LAYER OF PIERS SHALL BE PRESURE TREATED HEM FIR NO. 2 OR BETTER. FOUNDATION GRADE WOOD IN CONTACT WITH SOIL SHALL BE PRESERVATIVE TREATED & SHALL BE STAMPED "FOR GROUND CONTACT". PRESERVATIVE TREATED MATERIAL SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING, "THE MATERIAL IN THIS UNIT WAS TREATED PER UNIFORM BUILDING CODE, SECTION 2323A.1". EACH PIECE PRESURE TREATED MATERIAL SHALL BE STAMPED WITH THE APPROPRIATE STAMP.
- CORROSIVE RESISTANT NAILS SHALL BE IN ACCORDANCE WITH SECTION 2325A.1 C.B.C.
- SHIM PIERS AS REQUIRED WITH APA RATED PLYWOOD MADE WITH EXTERIOR GLUE. SHIMS SHALL BE CONTINUOUS ACROSS LENGTH OF PIERS AS FIELD CONDITIONS ALLOW. PLYWOOD SHIMS SHALL NOT BE IN DIRECT CONTACT WITH THE SOIL.
- SOIL BEARING PRESSURE IS ASSUMED AT 1000 PSF.
- FOUNDATION SHOWN ON (2) LAYERS OF WOOD. ANY ADDITIONAL LAYERS OF WOOD ARE TO BE STACKED AS PER STACKING DETAILS 4/SW, 5/SW & 6/SW
- VENTILATION TO MEET REQUIREMENTS PER IR 23-6. PROVIDE MIN. 6.4 SQ. FT. OF VENT SPACE. (PROVIDE 2" MIN. CLR.)



DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
12 101478
DATE 8/31/97

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 WIND: 80 MPH - EXPOSURE: C
 q_s=15.4 PSF; C_e=1.06; C_q AS REQ.
 SEISMIC: ZONE 4, R_w=6, C_t=2.75

REVISION DATE: BY:
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7 PERIMETER FLASHING DETAIL SCALE: 1-1/2" = 1'-0"

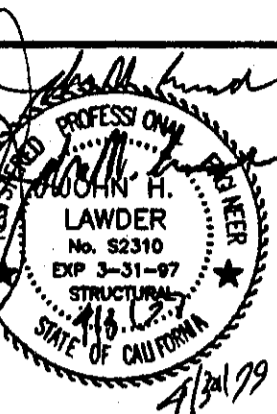
8 ALTERNATE PERIMETER DETAIL SCALE: 1-1/2" = 1'-0"

9 PERIMETER SKIRTING DETAIL SCALE: 1-1/2" = 1'-0"

10 SHEAR PLATE SCALE: 3" = 1'-0"

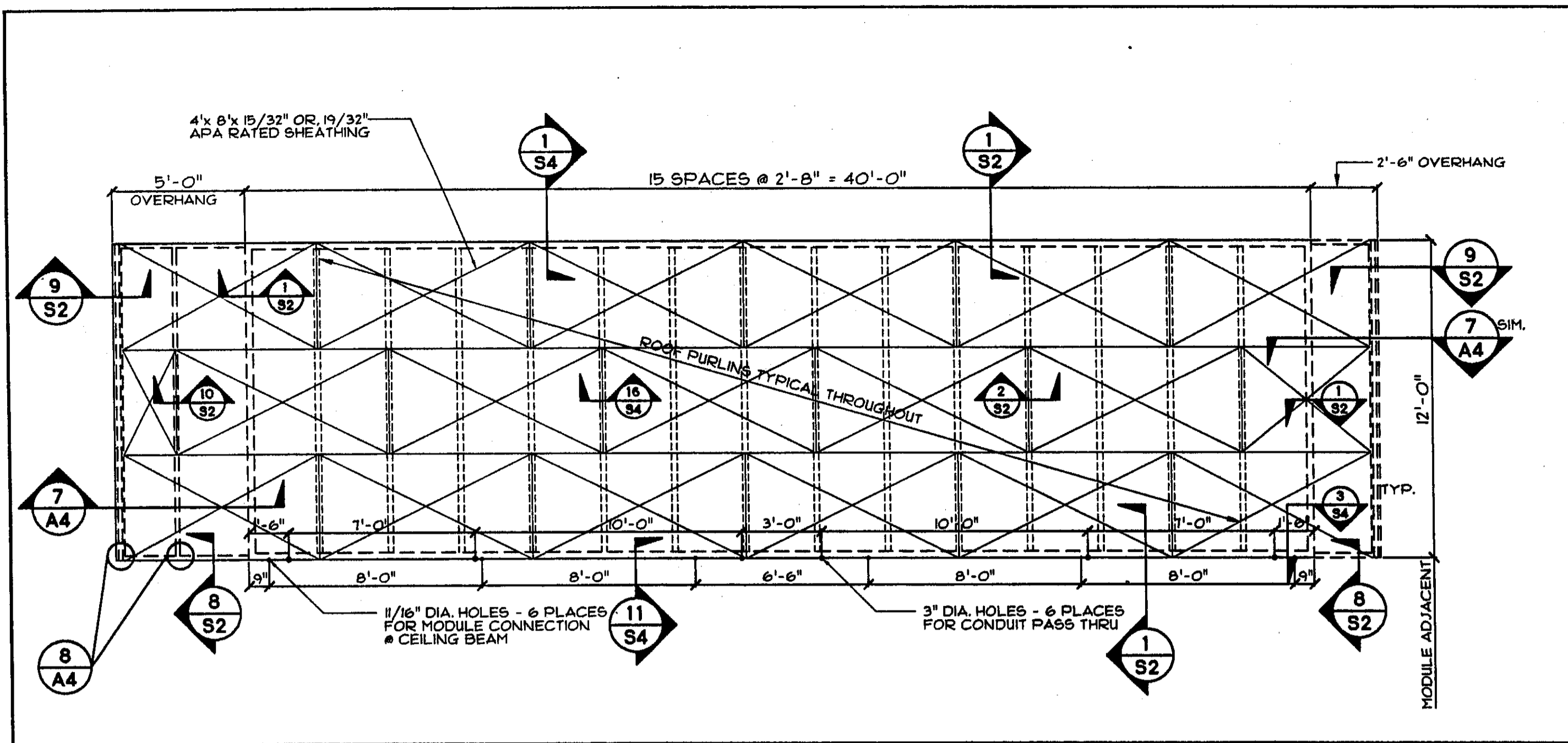
11 APPROVAL

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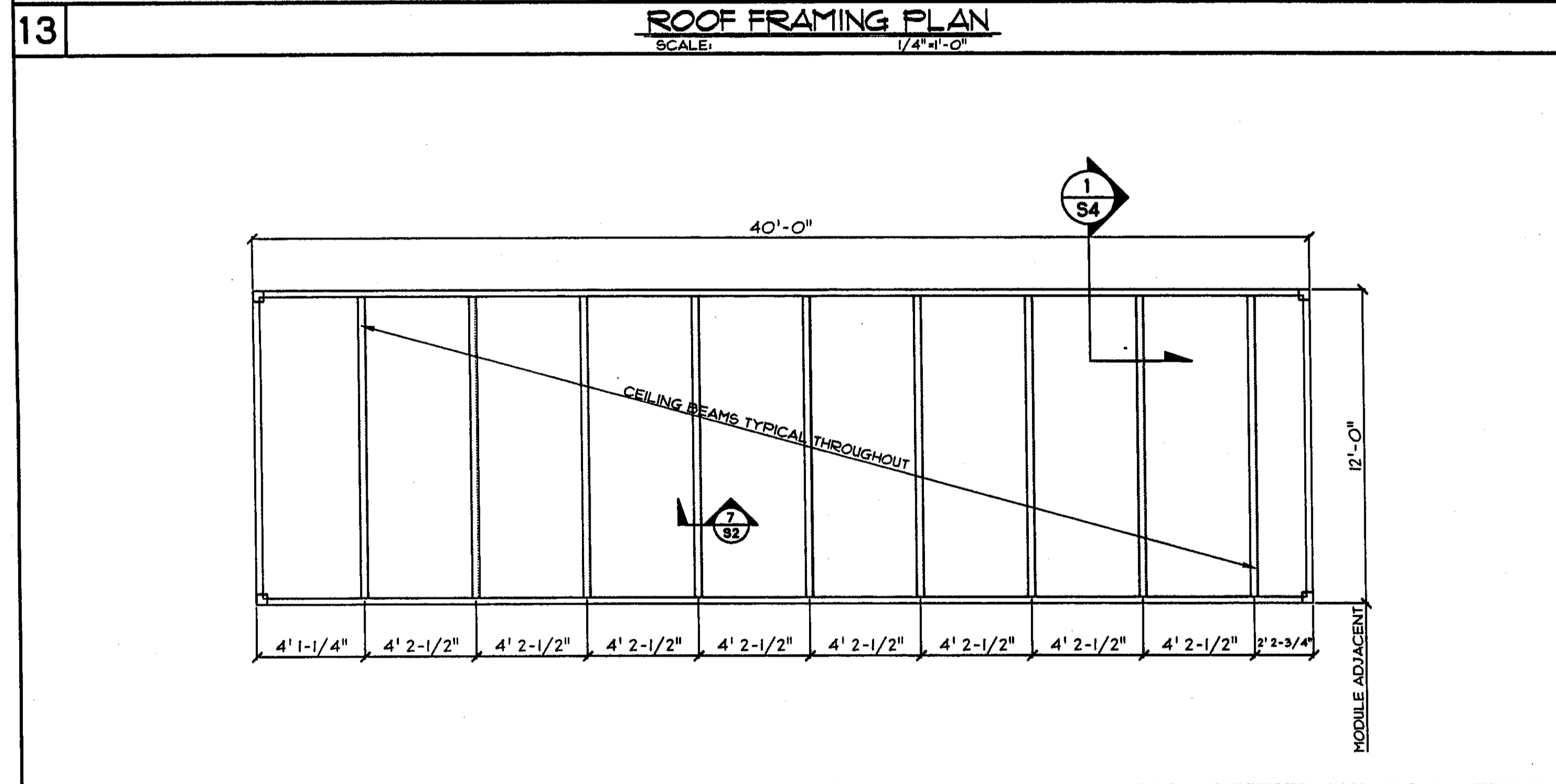


ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

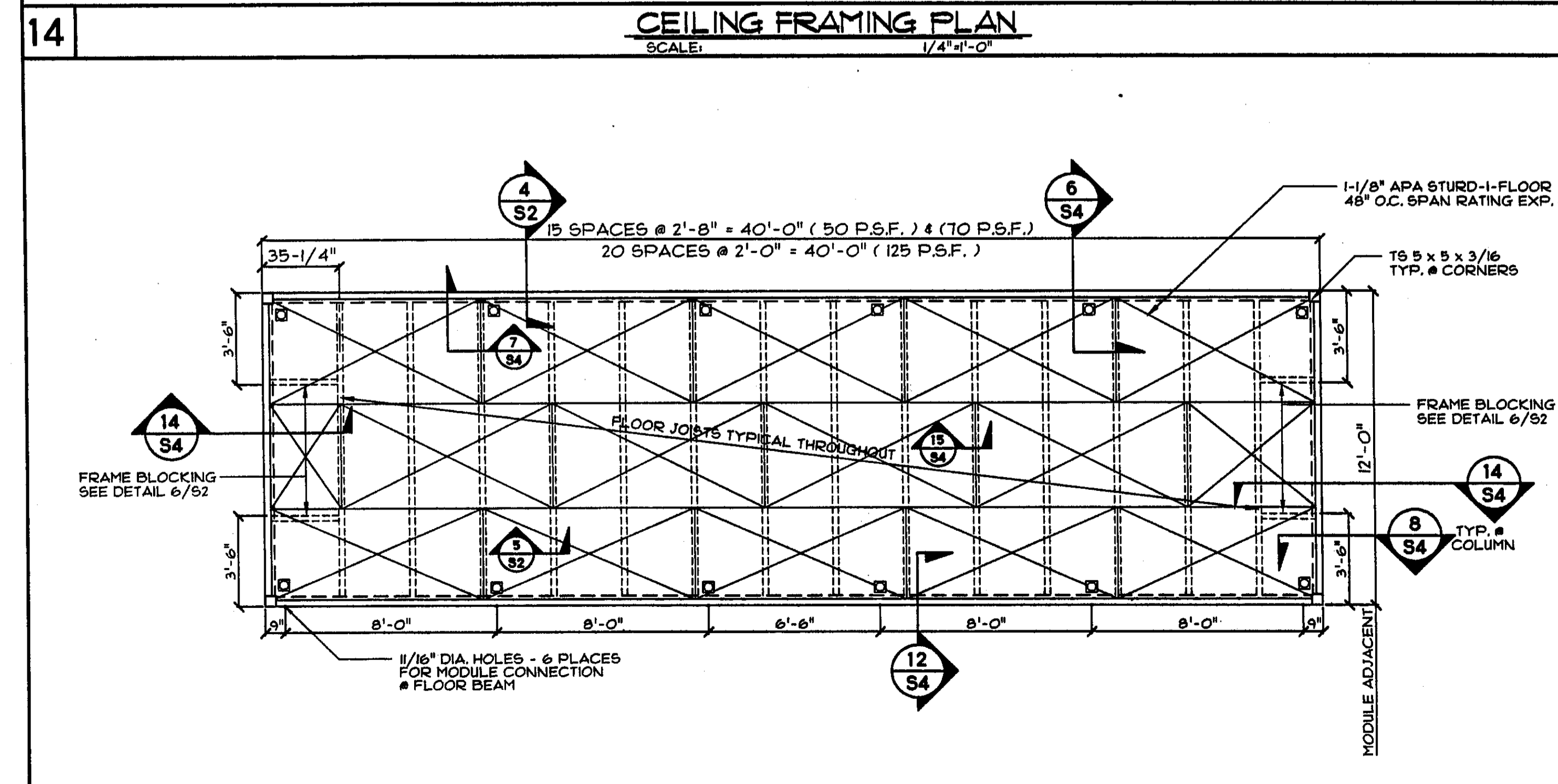
WOOD FOUNDATION PLAN
FOOTING DETAILS - NOTES



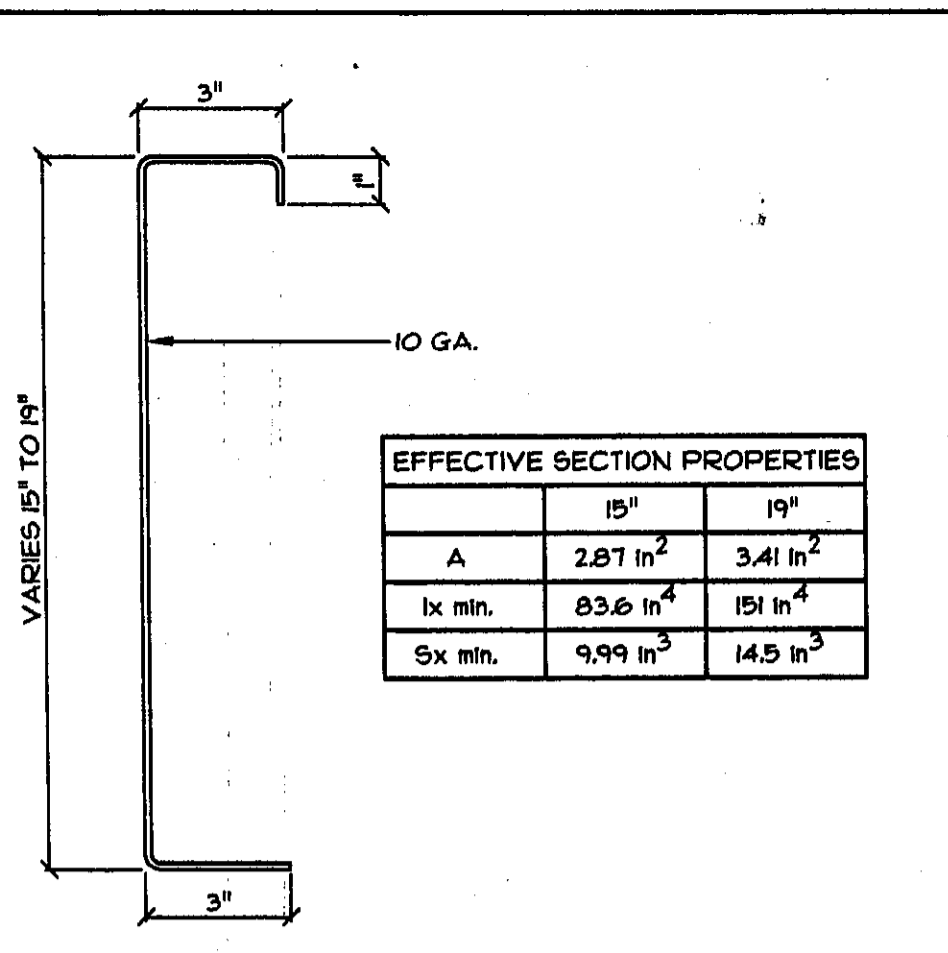
13 ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"



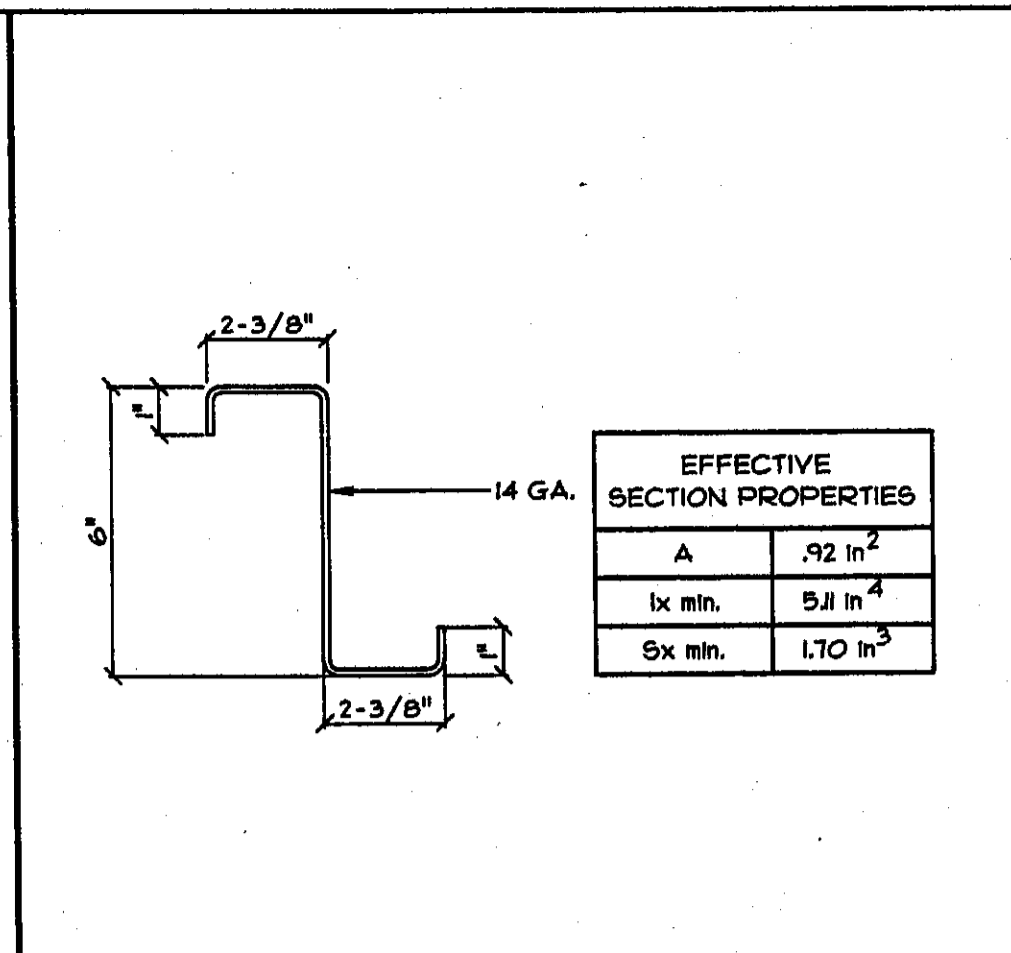
14 CEILING FRAMING PLAN
SCALE: 1/4"=1'-0"



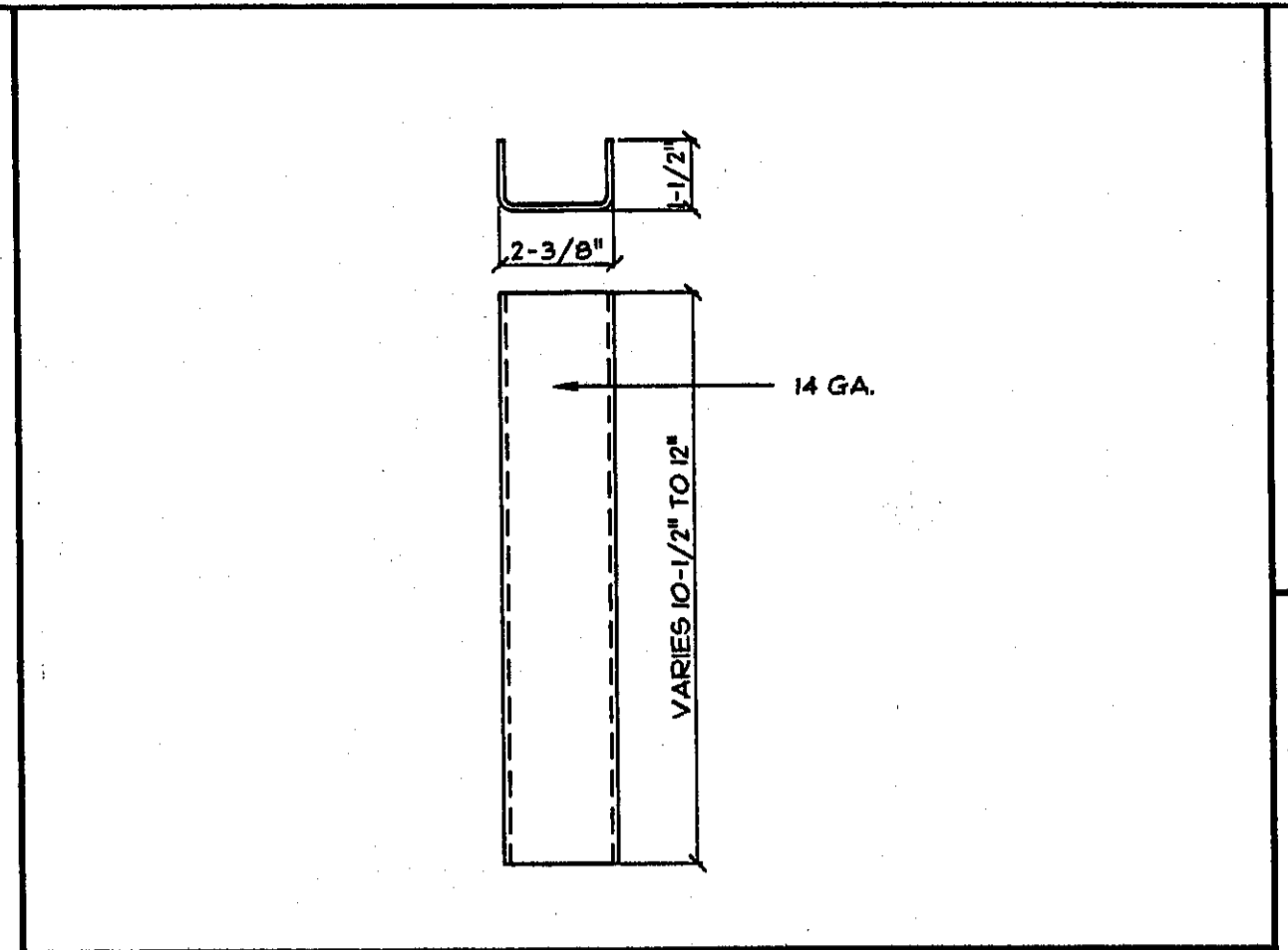
15 FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"



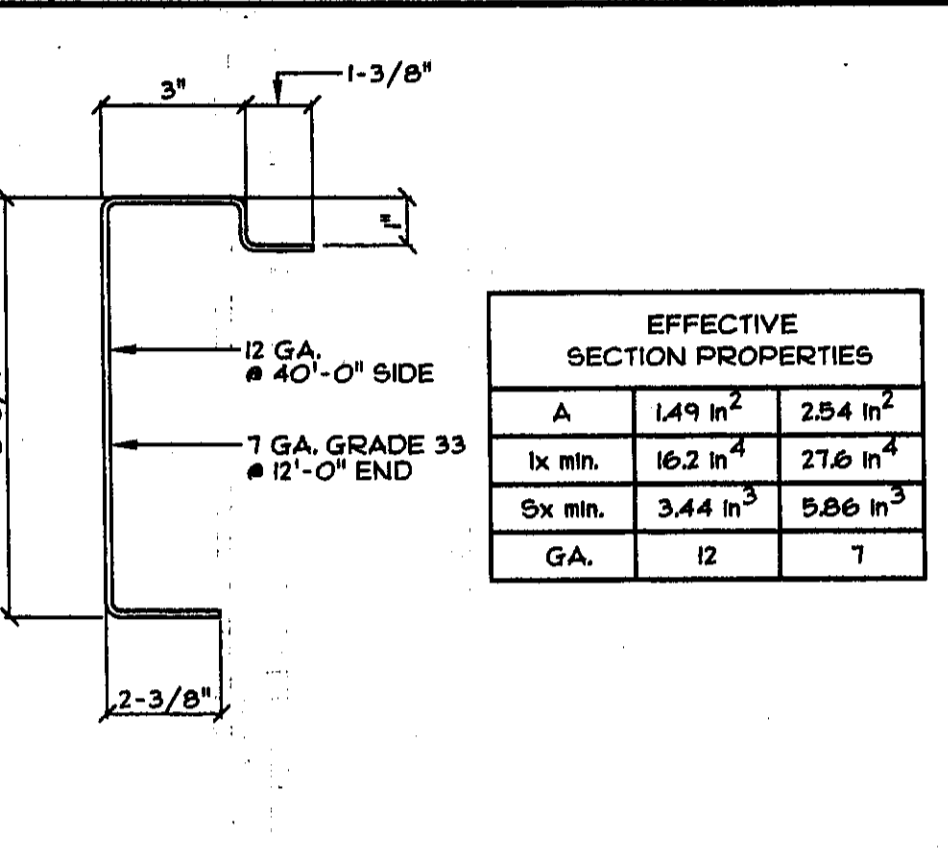
1 ROOF BEAM SECTION
SCALE: 3/4"=1'-0"



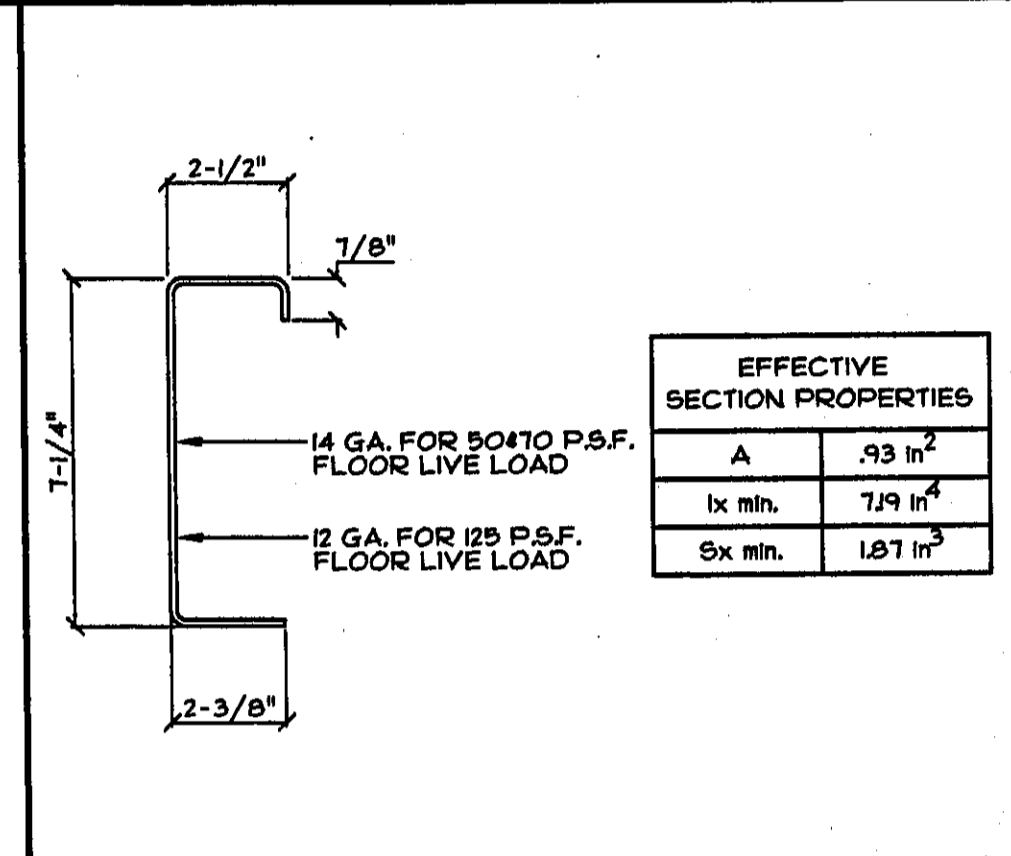
2 ROOF PURLIN SECTION
SCALE: 3/4"=1'-0"



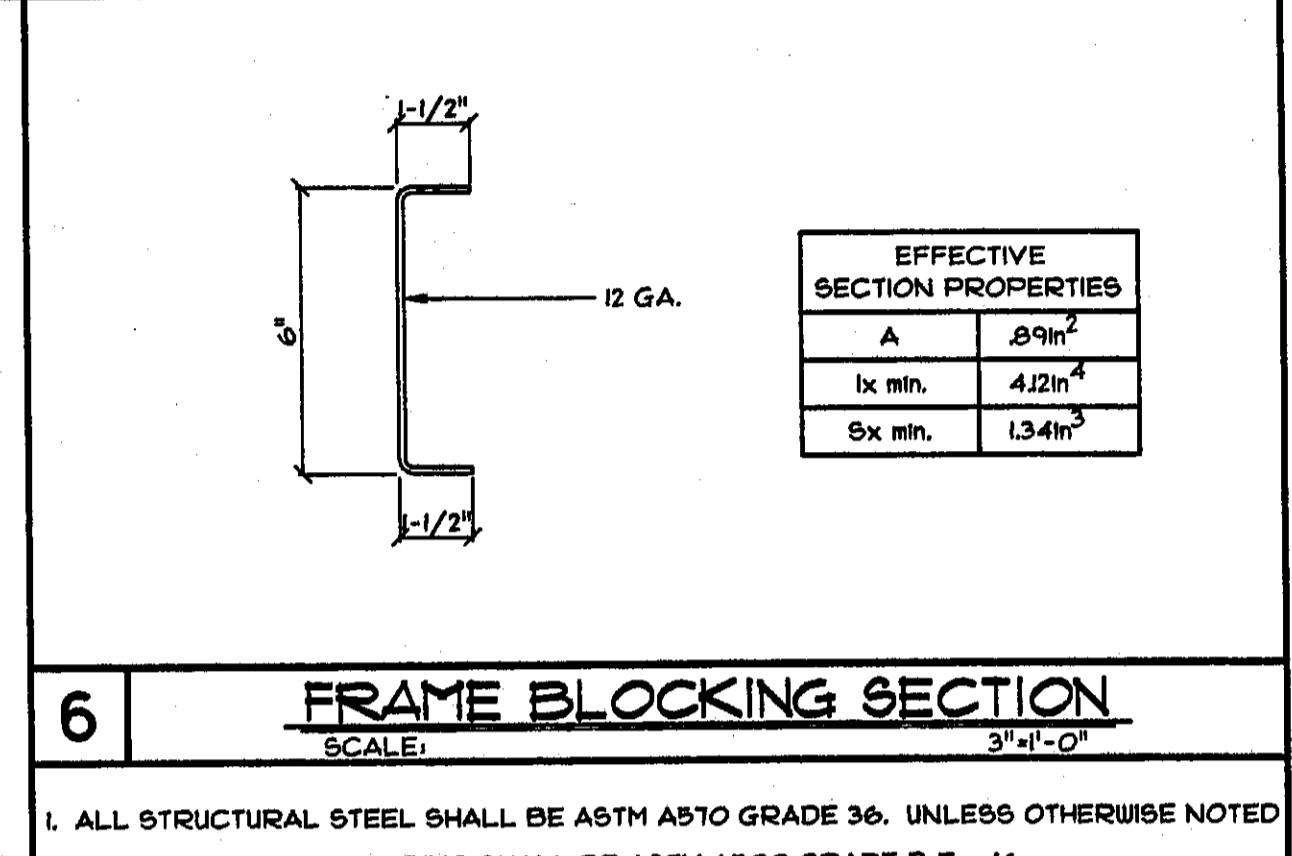
3 ROOF BEAM STIFFENER
SCALE: 3/4"=1'-0"



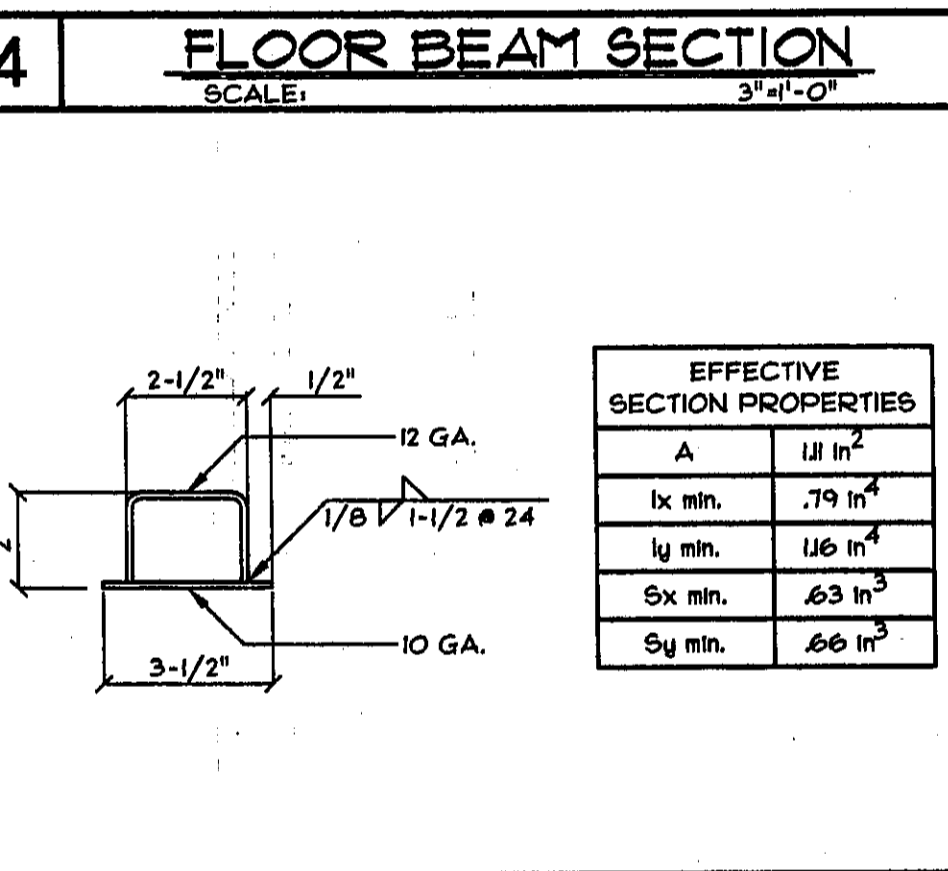
4 FLOOR BEAM SECTION
SCALE: 3/4"=1'-0"



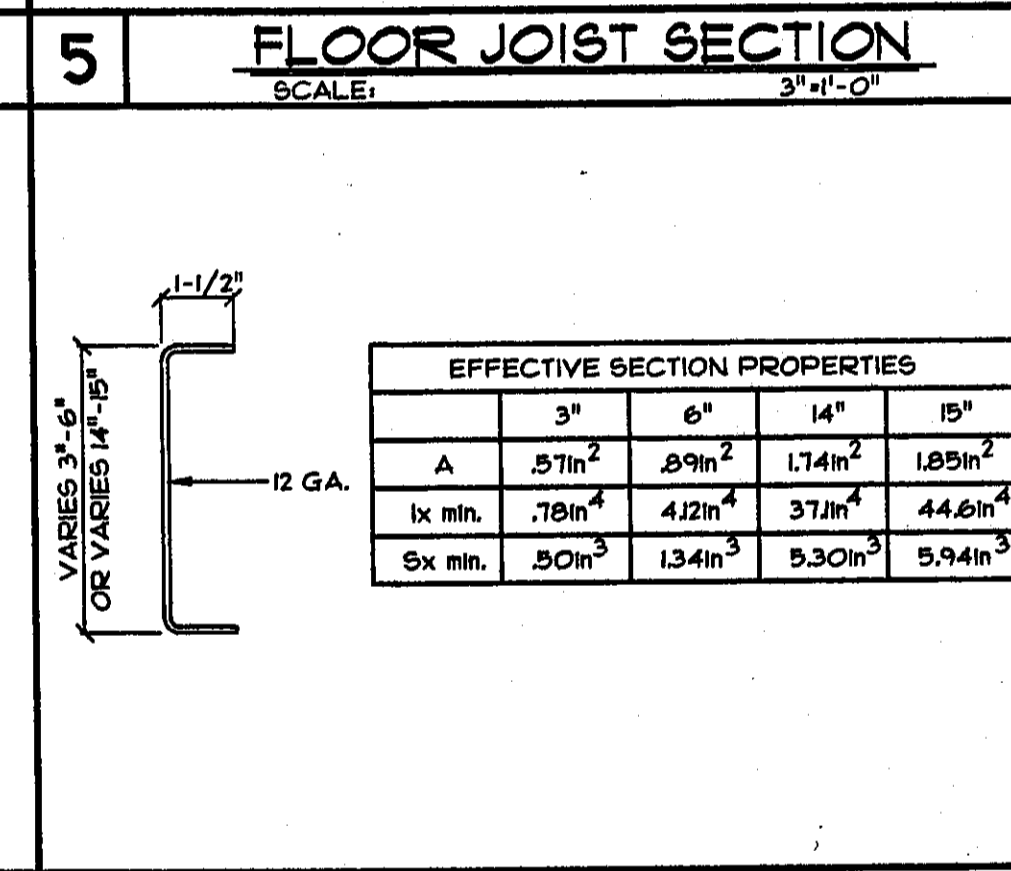
5 FLOOR JOIST SECTION
SCALE: 3/4"=1'-0"



6 FRAME BLOCKING SECTION
SCALE: 3/4"=1'-0"



7 CEILING BEAM SECTION
SCALE: 3/4"=1'-0"



8 OVERHANG BEAM
SCALE: 3/4"=1'-0"

STEEL SPECIFICATION

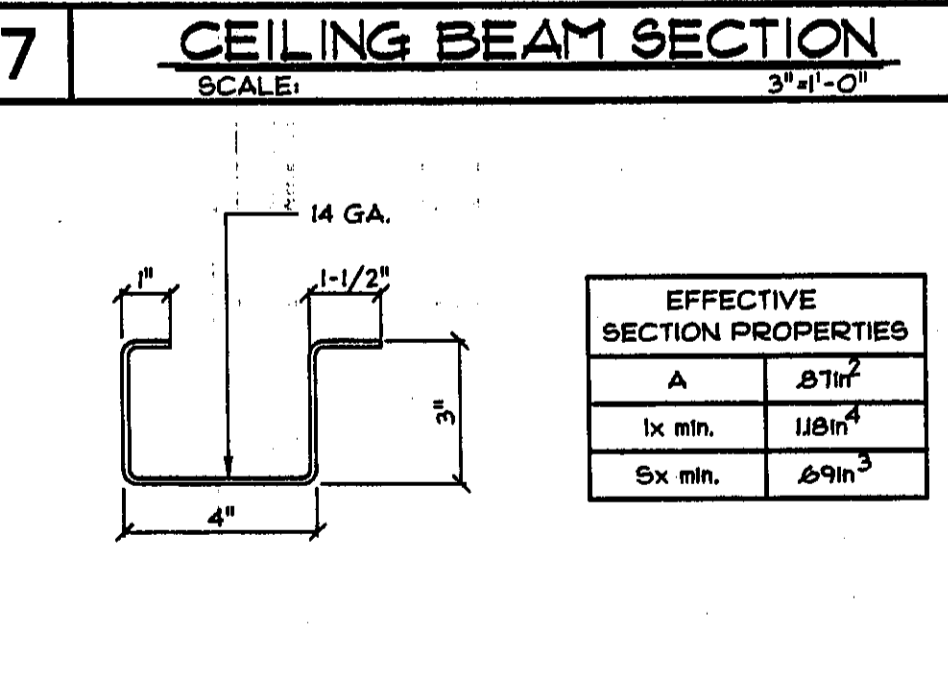
- ALL STRUCTURAL STEEL SHALL BE MANUFACTURED TO C.B.C. STANDARD 23-2 (BASED ON PRODUCT STANDARD P51-83) AND INSPECTED AND GRADE MARKED AT THE MILL BY AN APPROVED QUALITY CONTROL AGENCY SUCH AS APA.
- ROOF SHEATHING SHALL BE 4'x 8'x 15/32" GRADE MARKED 32/16 SPAN INDEX, EXP. I OR 19/32" GRADE MARKED 40/20 SPAN INDEX, EXP. I.
- FLOOR SHEATHING SHALL BE 4'x 8'x 1-1/8" T & G APA RATED UNDERLAYMENT GRADE DOUGLAS FIR GROUP I 5/8" T-I-FLOOR, SPAN RATING = 48".
- WALL SHEATHING SHALL BE 3/8" T-I-II APA EXTERIOR TYPE 303 GROUP II, MDO EXTERIOR GROUP II OR OPTIONAL 5/8" T-I-II APA EXTERIOR SIDING.
- SEE 2/93 FOR FASTENER SCHEDULE

GAGE	DESIGN THICKNESS
7 GA. STEEL	.1793"
10 GA. STEEL	.1345"
12 GA. STEEL	.1046"
14 GA. STEEL	.0747"

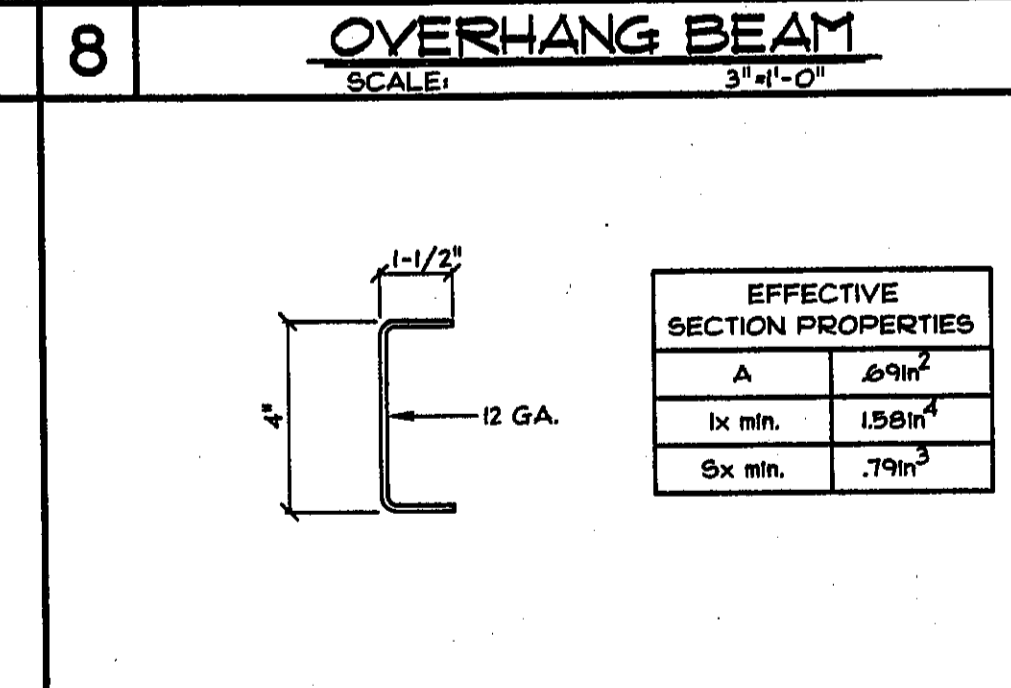
6. MINIMUM STEEL THICKNESS SHALL NOT BE LESS THAN 95% OF THE DESIGN THICKNESS PER C.B.C. SECTION 2230 (A3.4) "DELIVERED MINIMUM THICKNESS"

STEEL SPECIFICATION

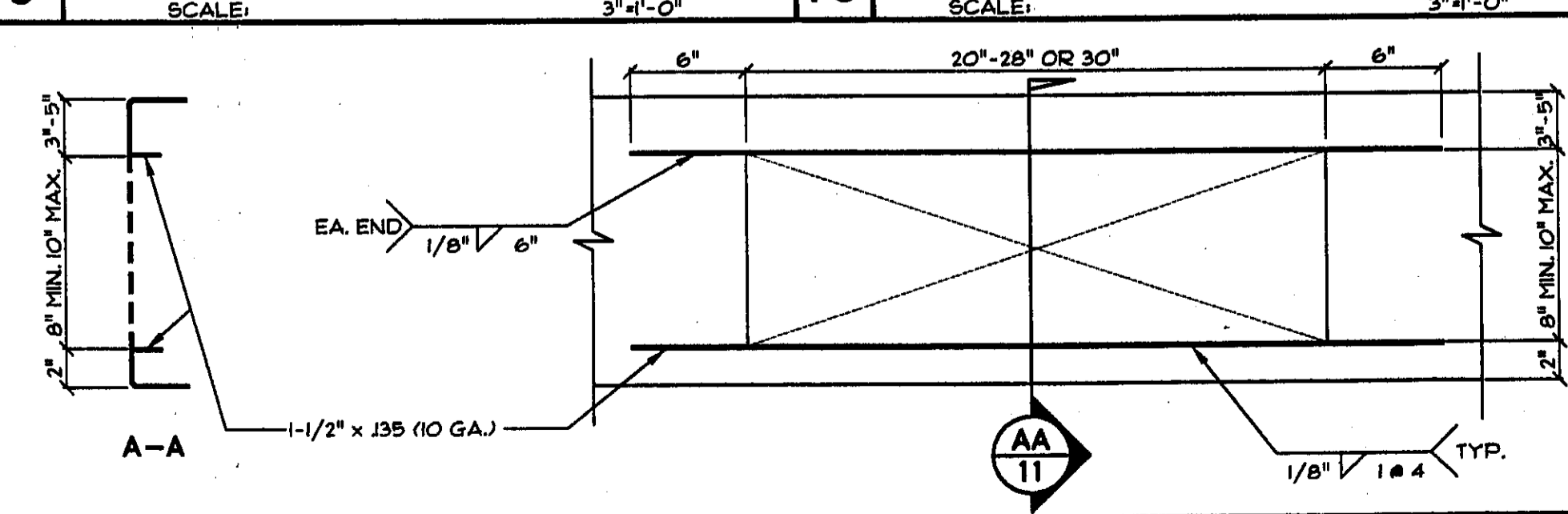
- SHEATHING / PLYWOOD SPECIFICATION**
- ALL STRUCTURAL PLYWOOD SHALL BE MANUFACTURED TO C.B.C. STANDARD 23-2 (BASED ON PRODUCT STANDARD P51-83) AND INSPECTED AND GRADE MARKED AT THE MILL BY AN APPROVED QUALITY CONTROL AGENCY SUCH AS APA.
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 - FLOOR SHEATHING SHALL BE 4'x 8'x 1-1/8" T & G APA RATED UNDERLAYMENT GRADE DOUGLAS FIR GROUP I 5/8" T-I-FLOOR, SPAN RATING = 48".
 - WALL SHEATHING SHALL BE 3/8" T-I-II APA EXTERIOR TYPE 303 GROUP II, MDO EXTERIOR GROUP II OR OPTIONAL 5/8" T-I-II APA EXTERIOR SIDING.
 - SEE 2/93 FOR FASTENER SCHEDULE



9 GUTTER BEAM SECTION
SCALE: 3/4"=1'-0"



10 INTERMEDIATE CHANNELS
SCALE: 3/4"=1'-0"



11 HVAC HOLE @ ROOF BEAM
SCALE: 1-1/2"=1'-0"

SHEATHING / PLYWOOD SPECIFICATION

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12 APPROVALS

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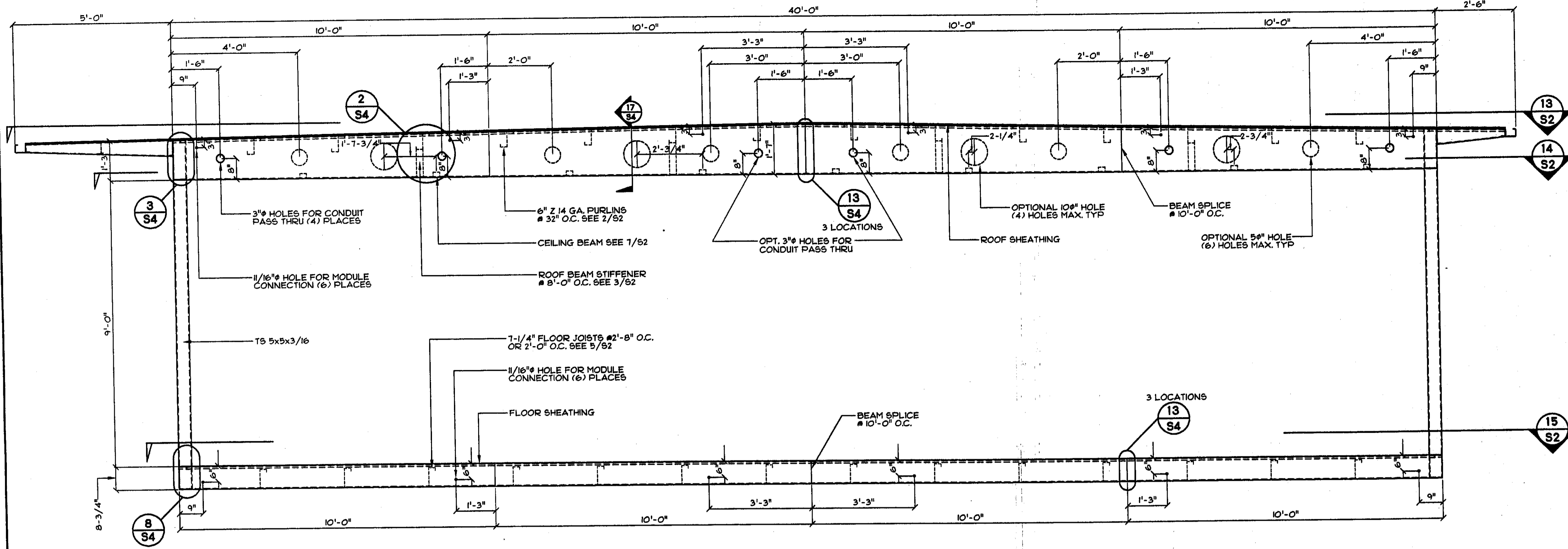
ROOF-CEILING-FLOOR FRAMING PLANS STRUCTURAL STEEL PROPERTIES - NOTES

REVISION DATE: BY:

DATE: 5/10/96

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S2



1 LONGITUDINAL BUILDING ELEVATION
SCALE: 1/2"=1'-0"

WALL TO FRAME FASTENING

WALL PANEL TOP PLATE TO --- (1) 1/4" x 2" LAG SCREW #10 O.C. TO PENETRATE THRU ROOF BEAM AND TOP PLATE -OR- 3" x 15'-19" PERIMETER ROOF BEAM.

WALL PANEL BOTTOM PLATE --- (1) 1/4" x 2" LAG SCREW #10 O.C. THRU BOTTOM PLATE & TO FLOOR BEAM.

WALL PANEL SIDE STUDS TO --- (1) 2-24 x 2-1/2" S.D.S. #16 O.C. THRU SIDE STUD TS 5x5x3/16 COLUMNS TO PENETRATE THRU STEEL COLUMN.

TOP AND BOTTOM PLATE TO --- (2) 135 x 3-1/4" LONG MACHINE NAIL STUDS AND KING STUDS

DOUBLE STUDS, TRIMMERS, SILLS --- (1) 135 x 3-1/4" LONG MACHINE NAILS #12 O.C. AND CRIPPLES FACE NAILED

CRIPPLES, TRIMMERS END NAILED --- (2) 135 x 3-1/4" LONG MACHINE NAIL EA. END TO PLATES AND SILLS.

CRIPPLES, TRIMMERS --- (2) 135 x 3-1/4" LONG MACHINE NAIL NAILED TO HEADERS.

ALL HANGERS, STRAPS, CLIPS --- TO BE NAILED AS PER MANUFACTURER'S SPECIFICATIONS ETC.

SHEATHING / PLYWOOD NAILING & NOTES

- DO NOT CRUSH PLYWOOD FACE PLY (OUTER VENEER LAYER) BY OVER DRIVING SCREWS, MACHINE OR HAND NAILS.
- UNDER DRIVEN NAILS SHALL BE CORRECTED BY HAND SET.
- REMOVE AND REPLACE NAILS DRIVEN THAT MISS THE FRAMING OR SUPPORT.
- ALL CORRECTIVE NAILING SHALL BE DONE BY HAND.

FLOOR

1-1/8" APA RATED T&G STURDI-FLOOR TO BEAM & JOISTS

SHEET EDGES	144 x 1-3/4" PIN # 6" O.C.
FIELD # JOIST	144 x 1-3/4" PIN # 10" O.C. (ICBO 4144)

ROOF

15/32" APA RATED PLYWOOD TO PURLINS & BEAMS (OPT. 19/32" PLYWOOD ROOF)

SHEET EDGES	144 x 1-3/4" PIN # 6" O.C.
FIELD # PURLIN	144 x 1-3/4" PIN # 12" O.C. (ICBO 4144)

SIDING

3/8" EXTERIOR SIDING TO 2x4 STUDS

SHEET EDGES	131" x 2-1/2" # 6" O.C. COATED NAILS
FIELD	131" x 2-1/2" # 12" O.C. COATED NAILS

DRYWALL

1/2" GYP. BOARD TO 2x4 STUDS

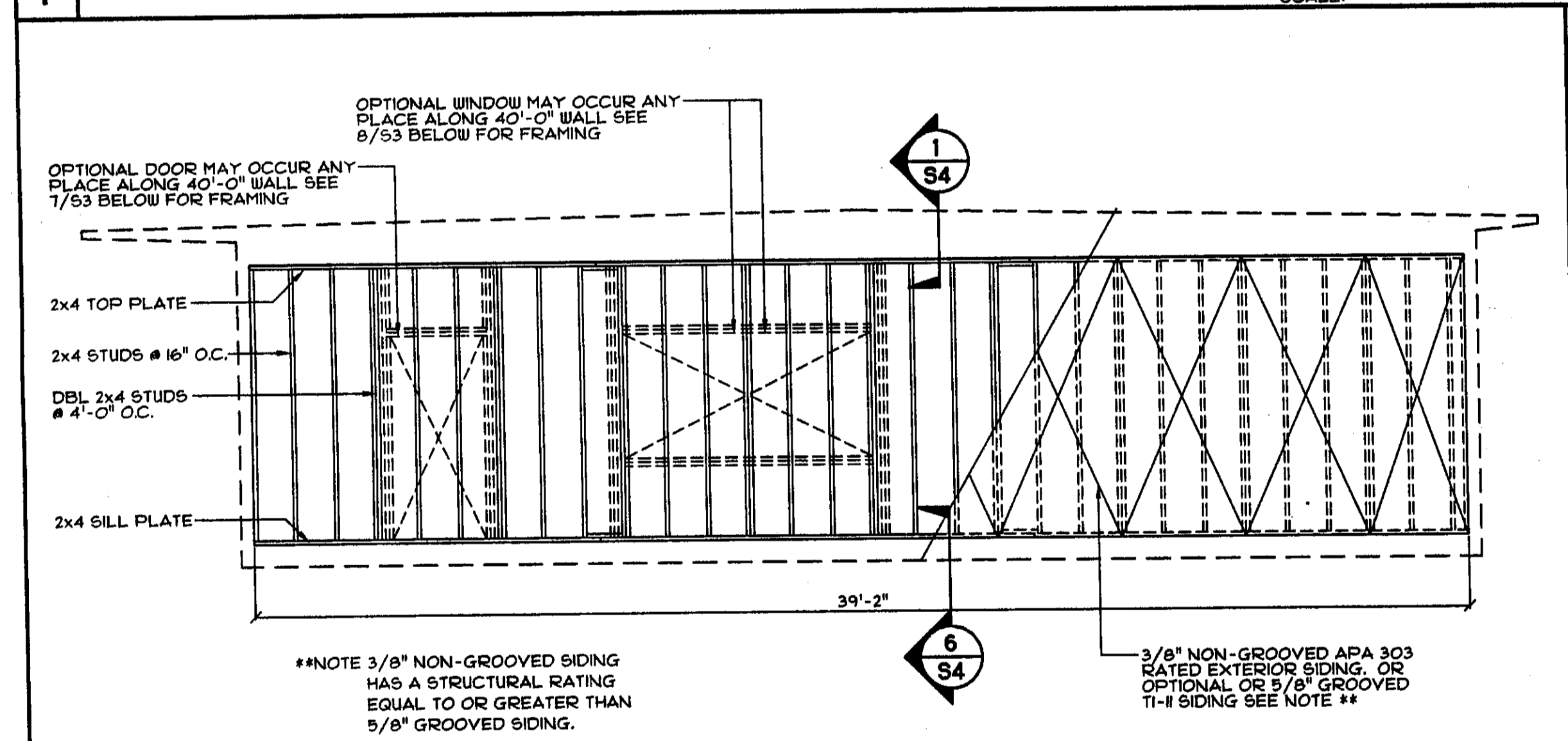
SHEET EDGES	121 x 1-1/2" COATED NAILS # 6" O.C.
FIELD	121 x 1-1/2" COATED NAILS # 12" O.C.

CANOPY SOFFIT

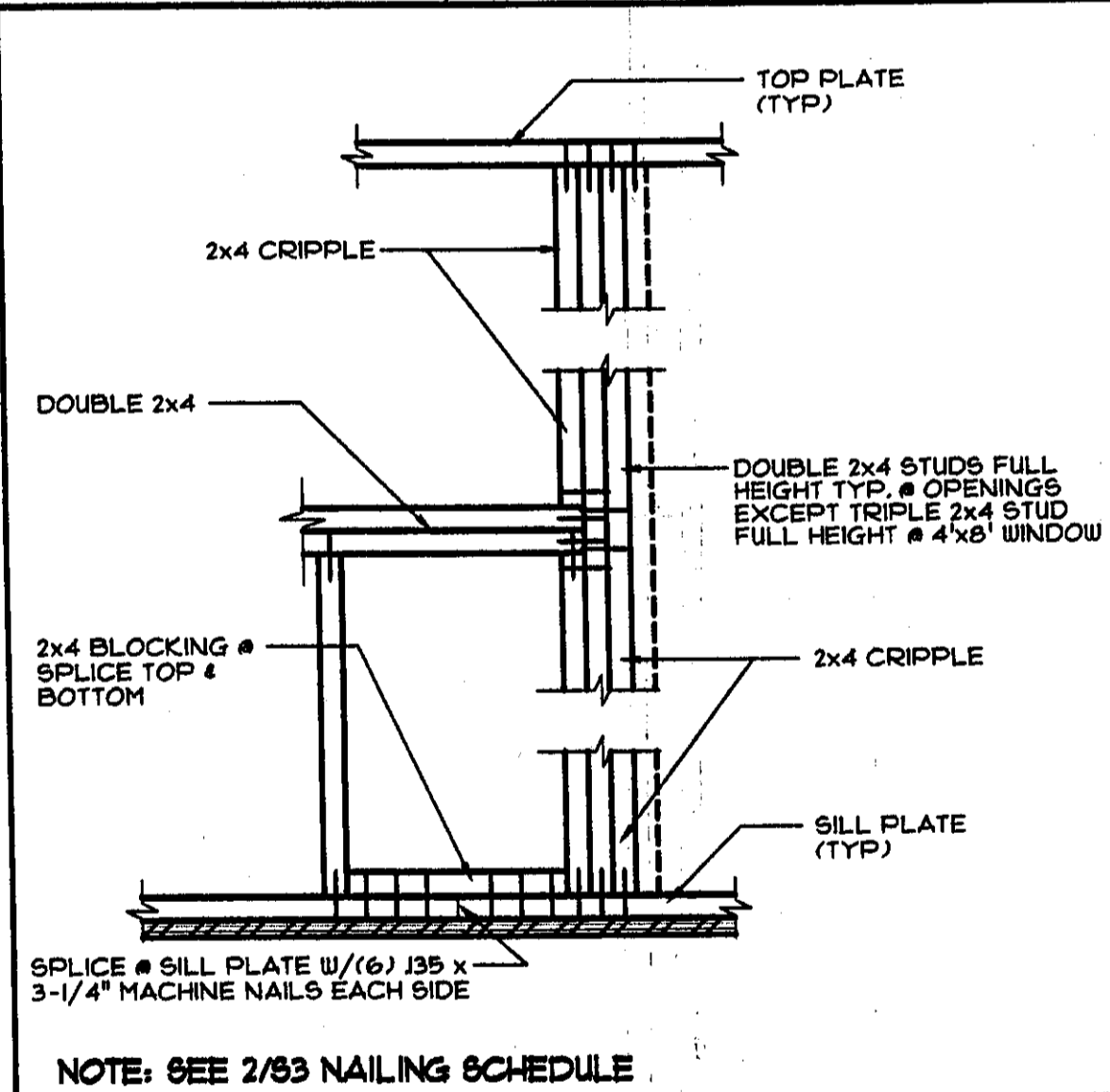
1/2" APA RATED SHEATHING

SHEET EDGES	#8 x 1" WOOD SCREW # 6" O.C.
FIELD	#8 x 1" WOOD SCREW # 12" O.C.

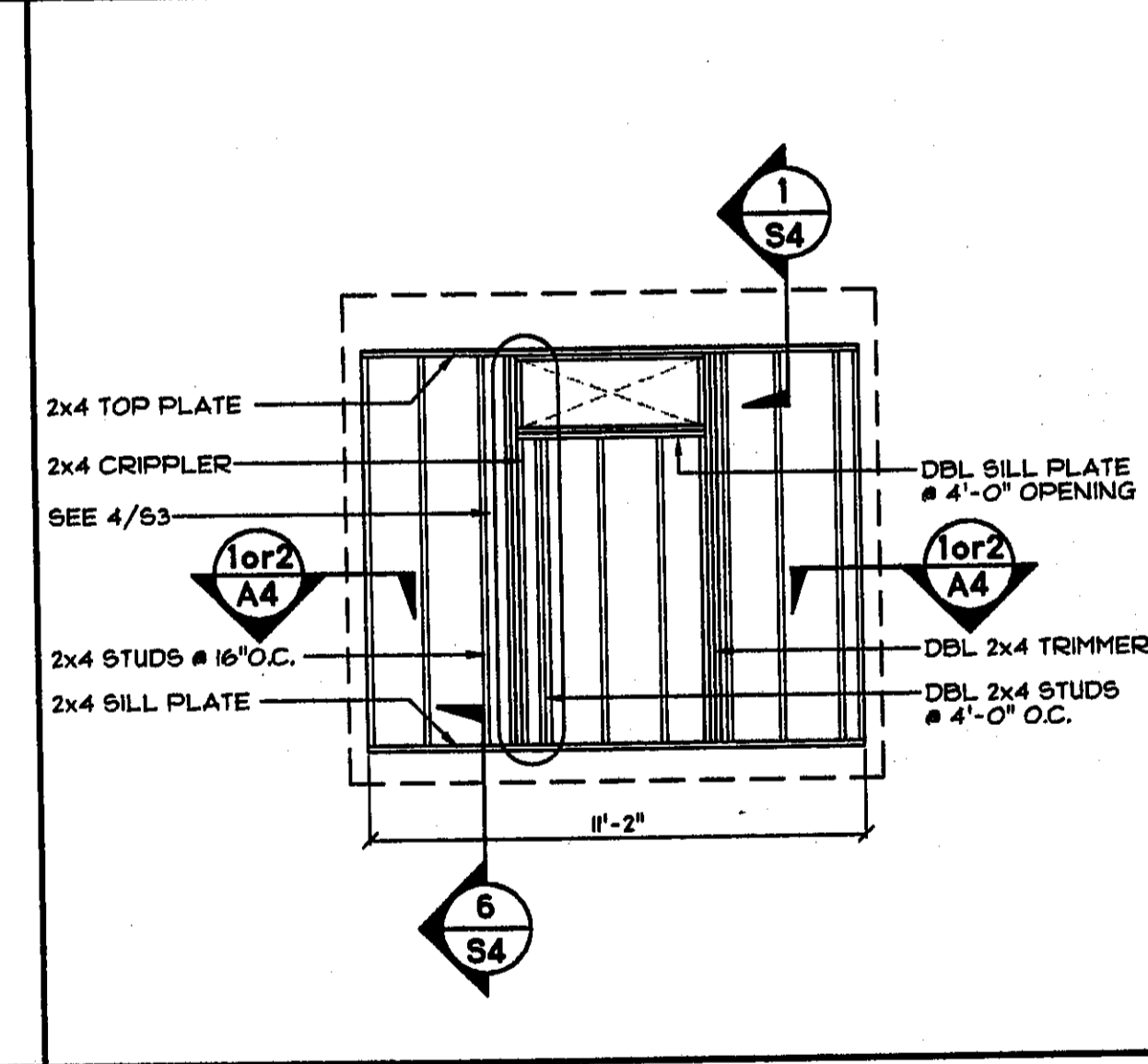
2 NAILING SCHEDULE



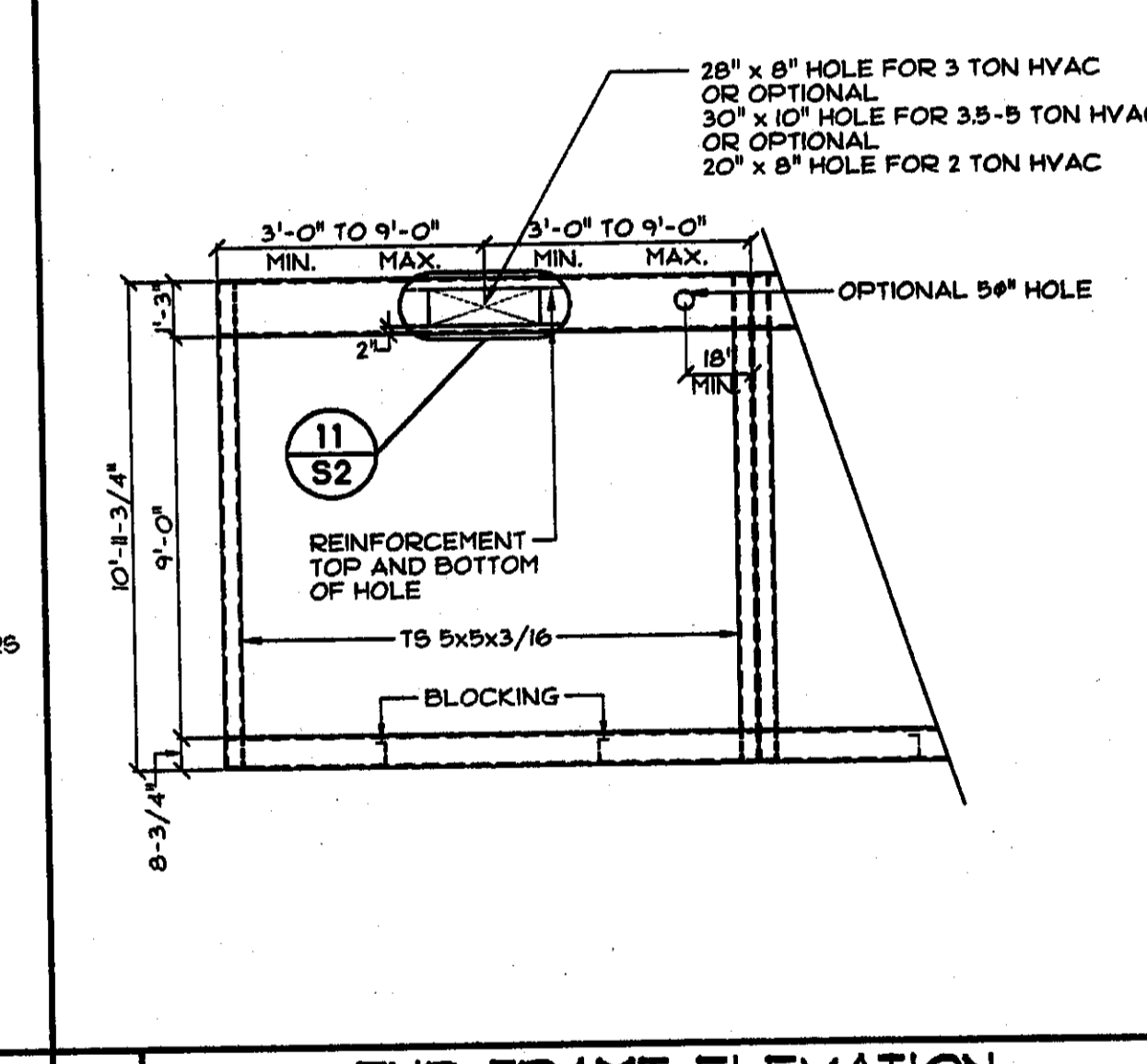
3 WALL FRAMING ELEVATION @ 40'-0" SIDE
SCALE: 1/4"=1'-0"



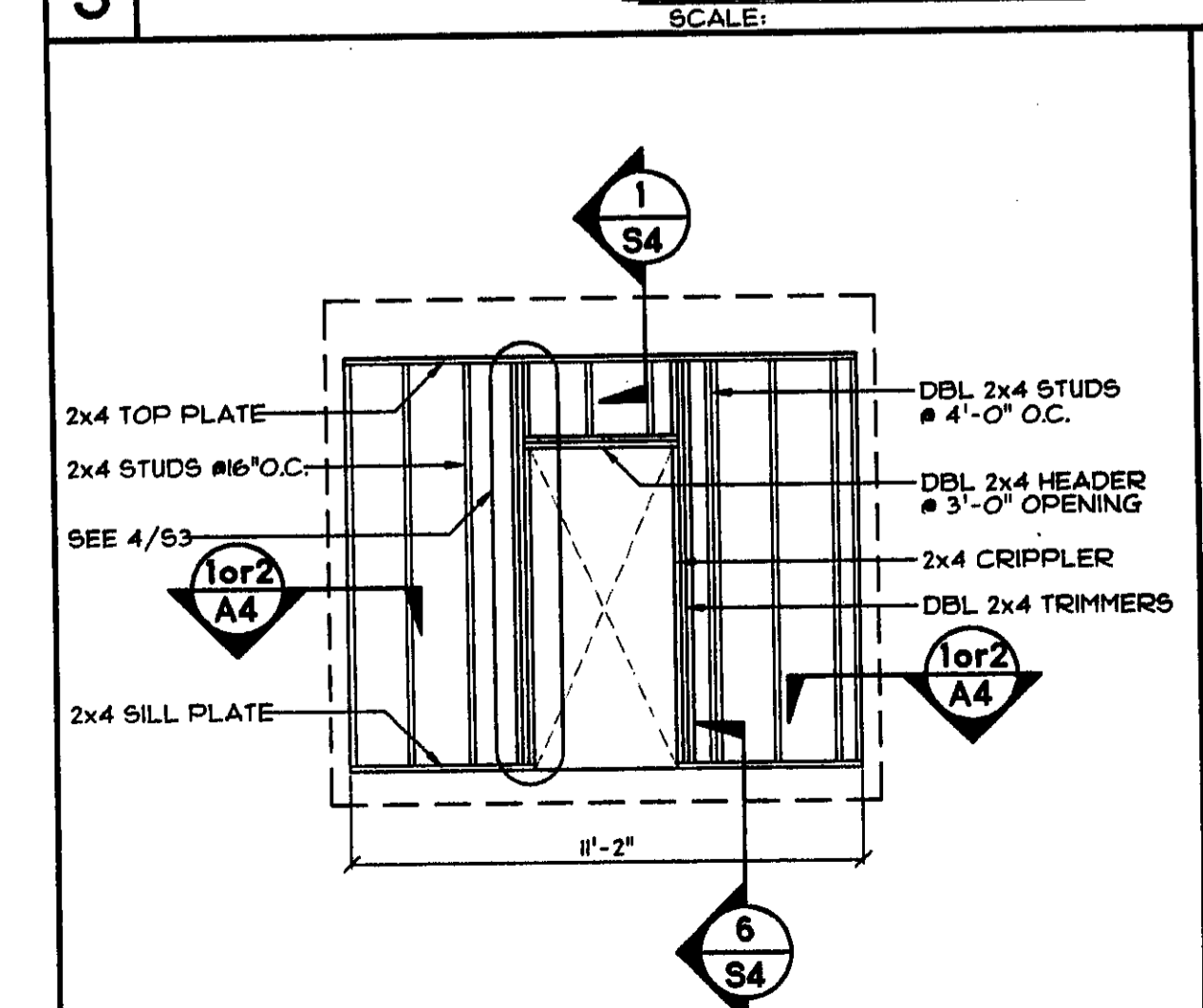
4 NAILING DETAIL
SCALE: 1"=1'-0"



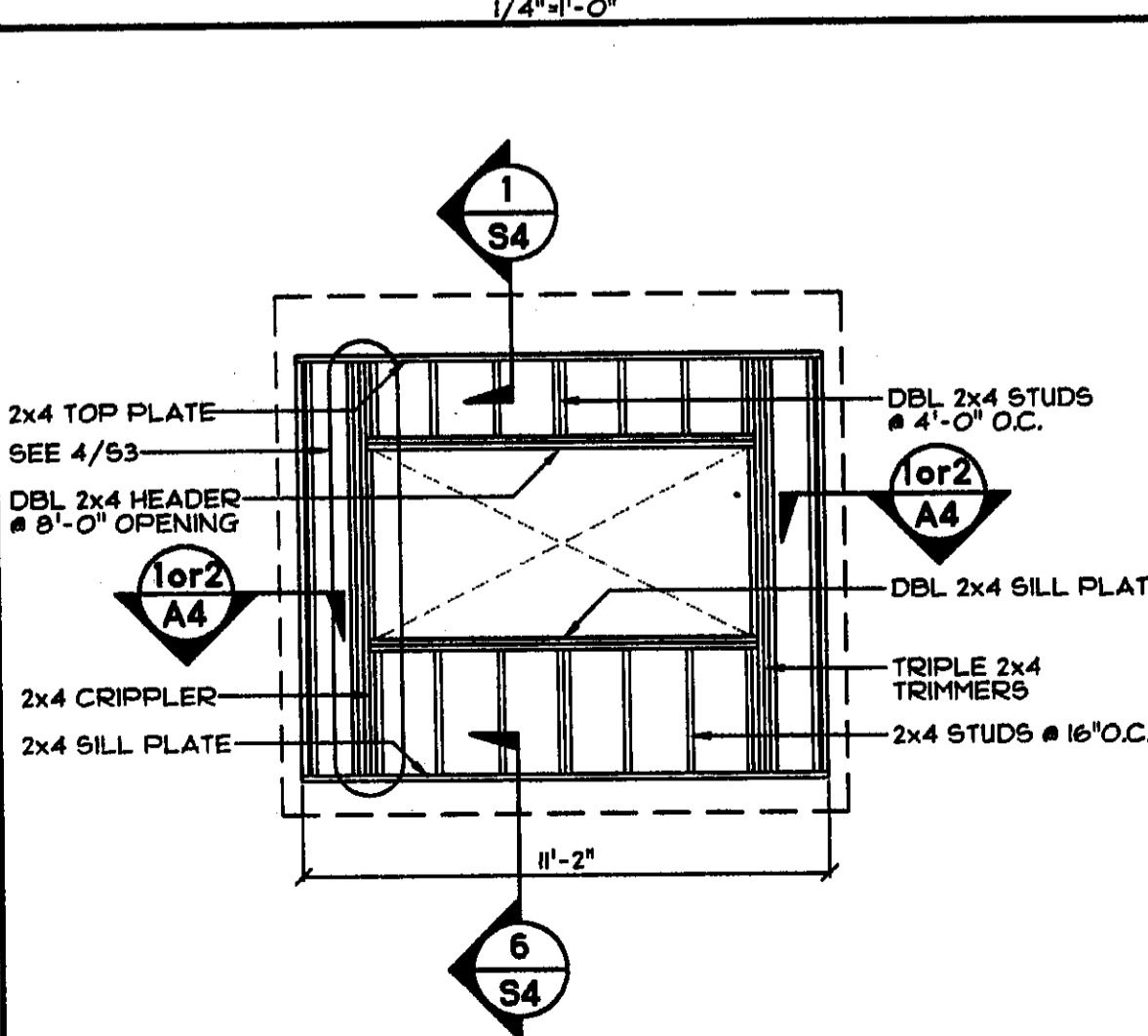
5 OPTIONAL WINDOW WALL FRAMING
SCALE: 1/4"=1'-0"



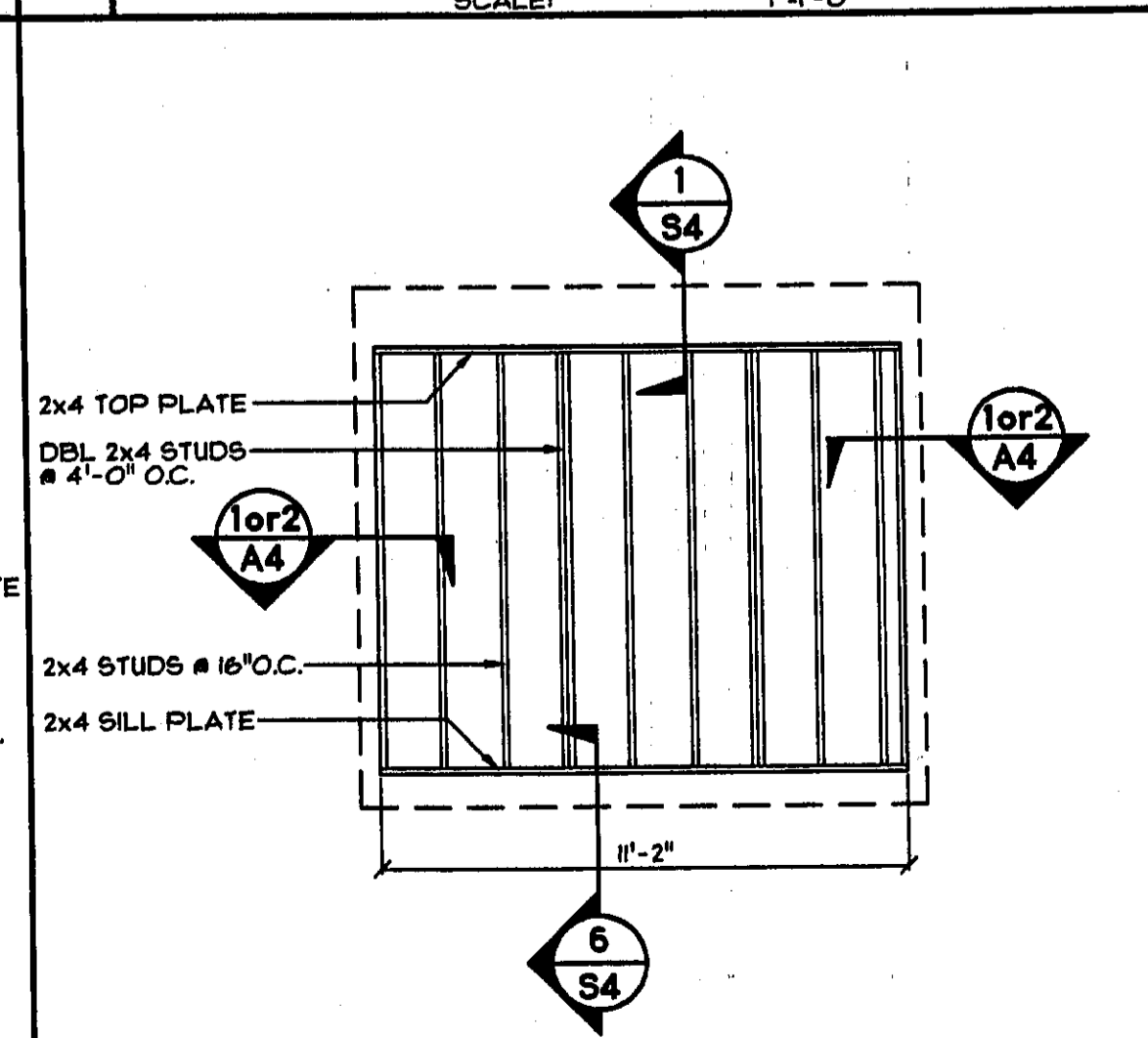
6 END FRAME ELEVATION
SCALE: 1/4"=1'-0"



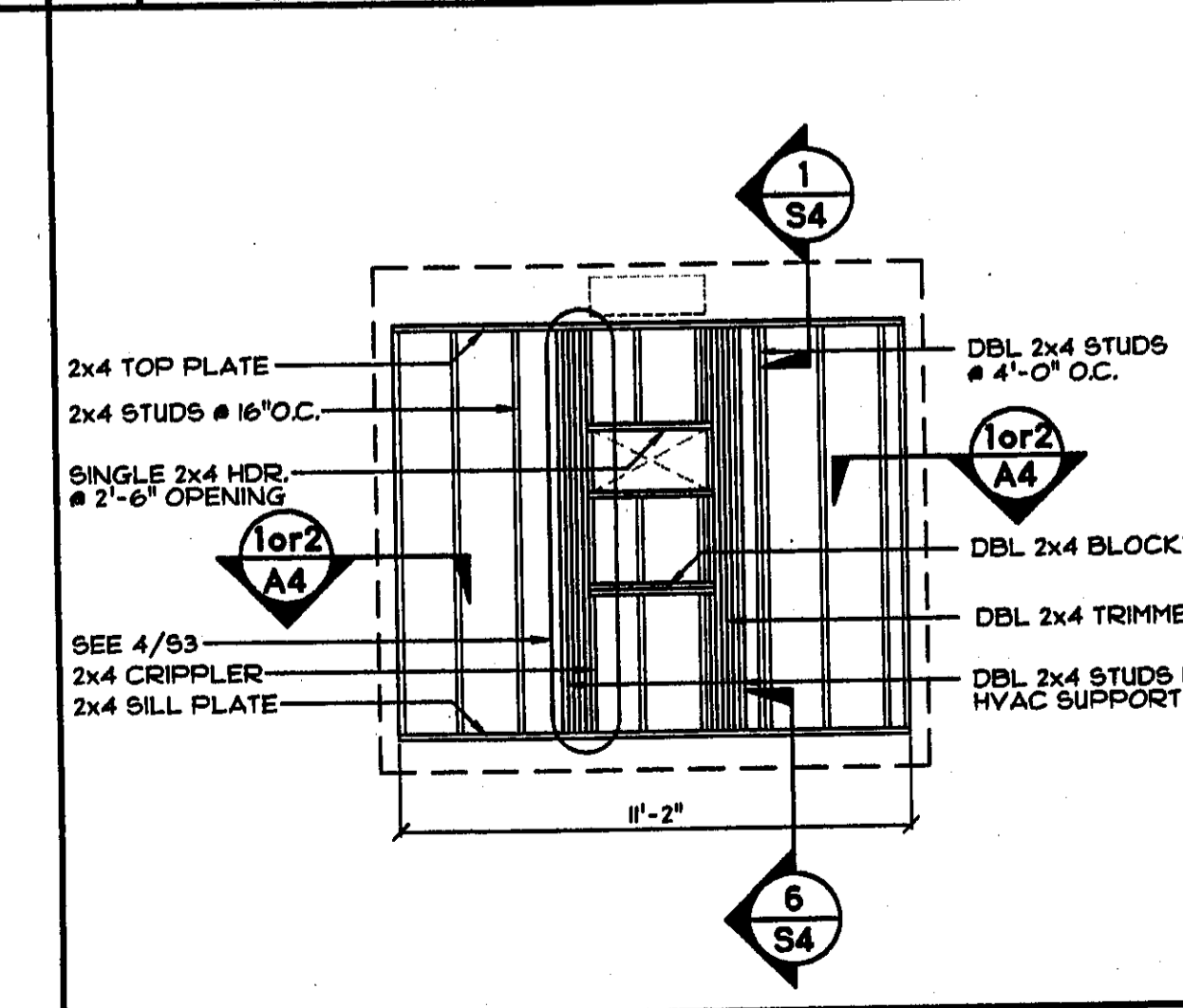
7 DOOR WALL FRAMING
SCALE: 1/4"=1'-0"



8 WINDOW WALL FRAMING
SCALE: 1/4"=1'-0"



9 WALL FRAMING @ 12'-0" WALL
SCALE: 1/4"=1'-0"



10 HVAC WALL FRAMING - DUCTED
SCALE: 1/4"=1'-0"

DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES

REGISTRATION STAMP
NO. 101478
DATE 8/31/99

REVISION IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-271
DATE 4/6/97

DESIGN CRITERIA

ROOF: DEAD LOAD - 8.0 PSF
ROOF: LIVE LOAD - 20.0 PSF (SNOW)

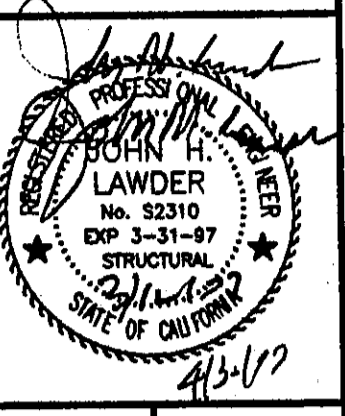
FLOOR: DEAD LOAD - 8.0 PSF
FLOOR: LIVE LOAD - 50.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD - 70.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD - 125.0 PSF

WALLS: DEAD LOAD - 8.0 PSF
WIND: 80 MPH; EXPOSURE: C
qs=16.4 PSF; Ce=1.06; Cq AS REQ.
SEISMIC: ZONE 4, Rw=6, C=2.75

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11 APPROVALS

JH Lawdor, Inc.
Structural Engineers
605 10TH STREET
SAN JOSE, CA 95128
(408) 281-1143
(408) 281-1188



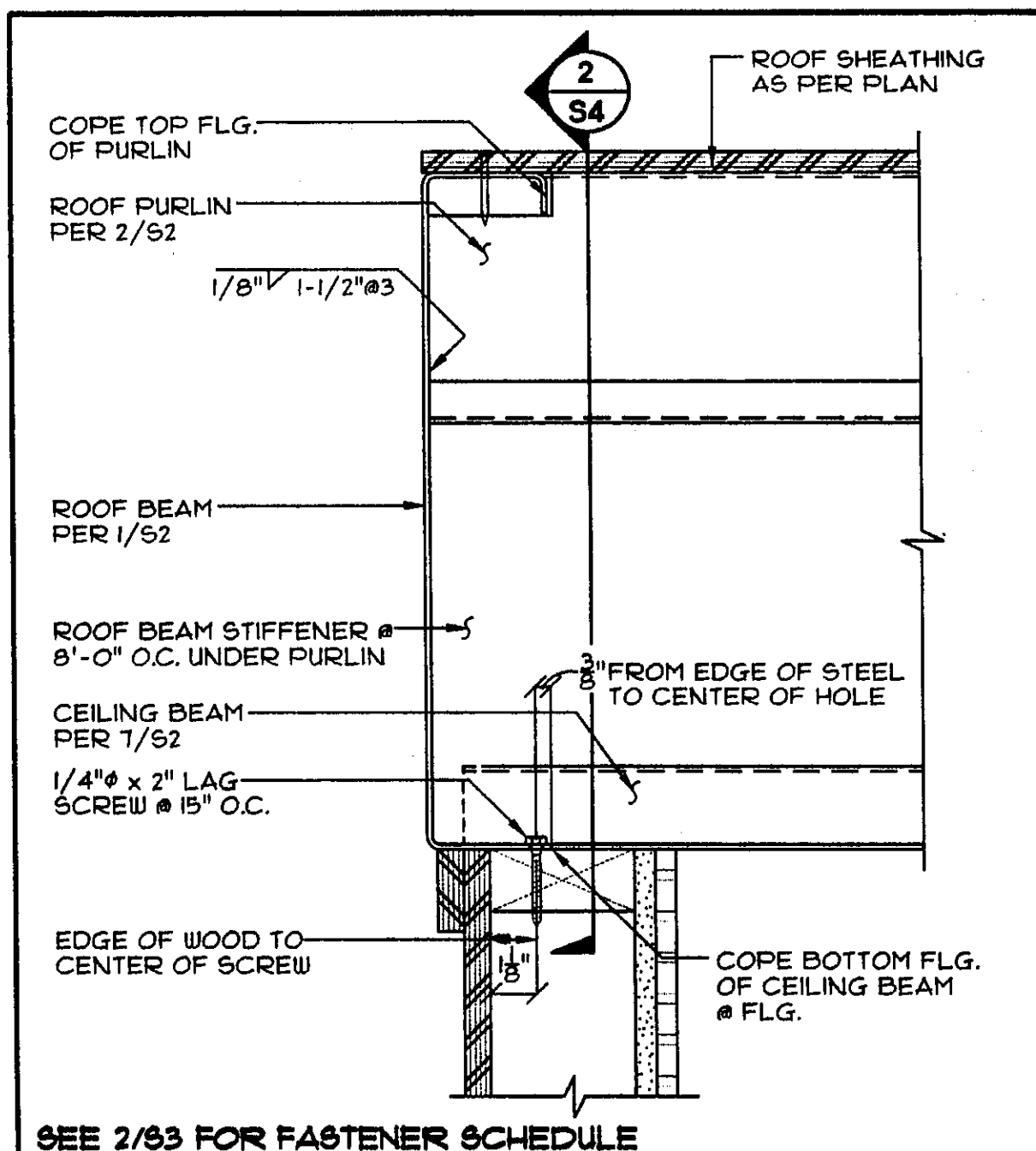
ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA 95215

LONGITUDINAL BUILDING SECTION
WALL FRAMING ELEVATIONS - END
FRAME ELEVATION - NAIL SCHEDULE

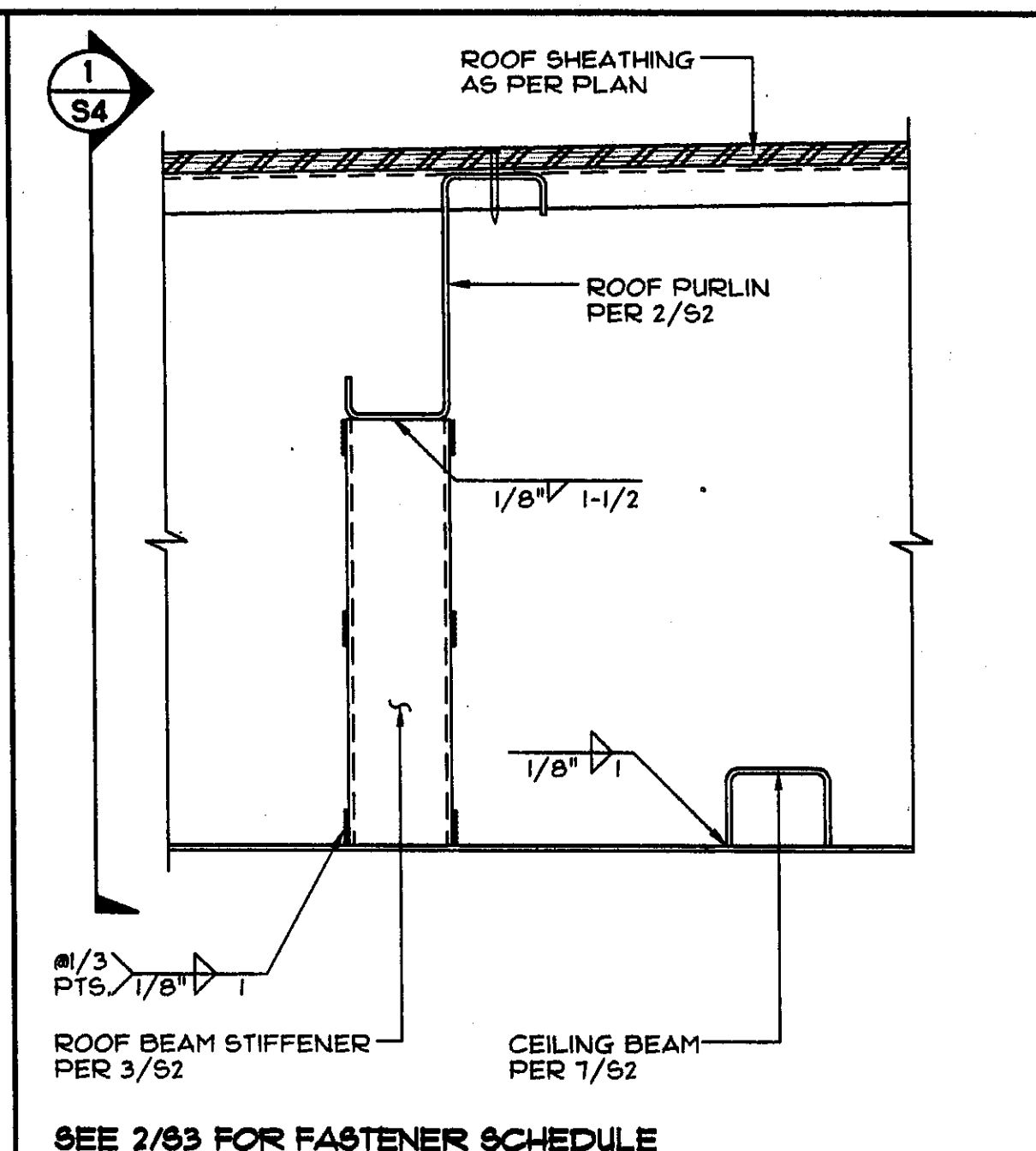
REVISION DATE: BY:

DATE: THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

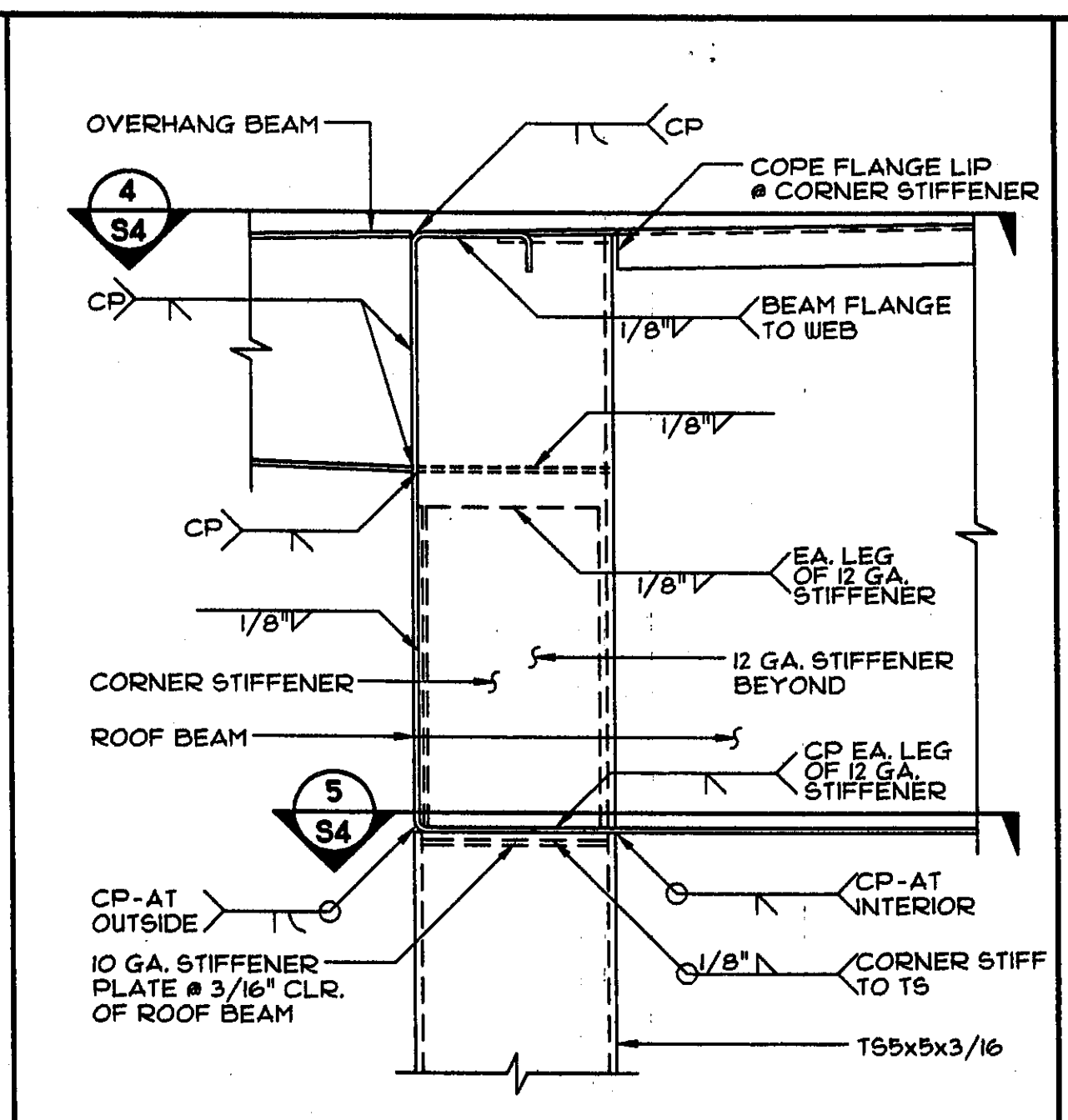
S3



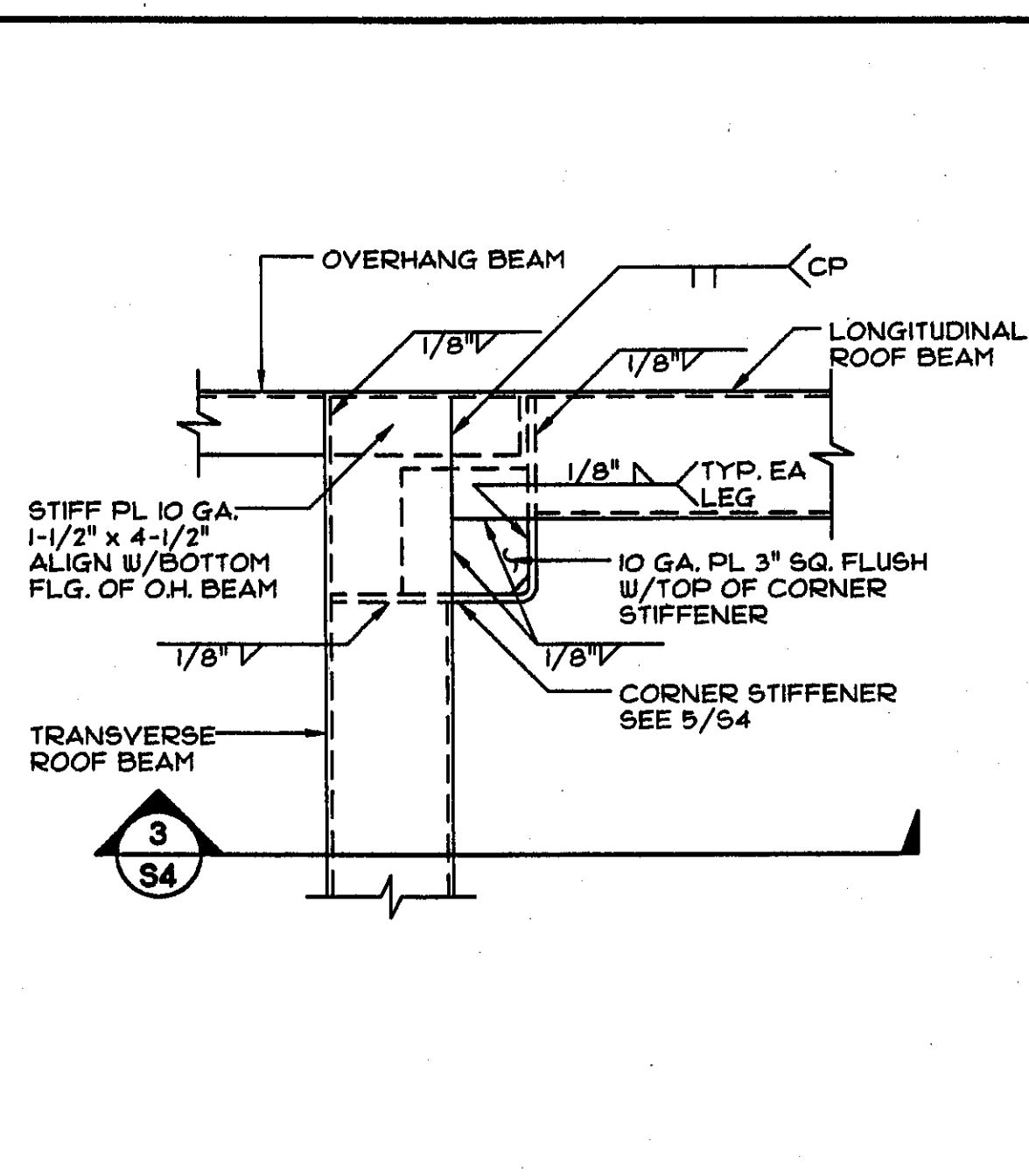
1 **ROOF BEAM SECTION @ PURLIN**
SCALE: 3/4"=1'-0"



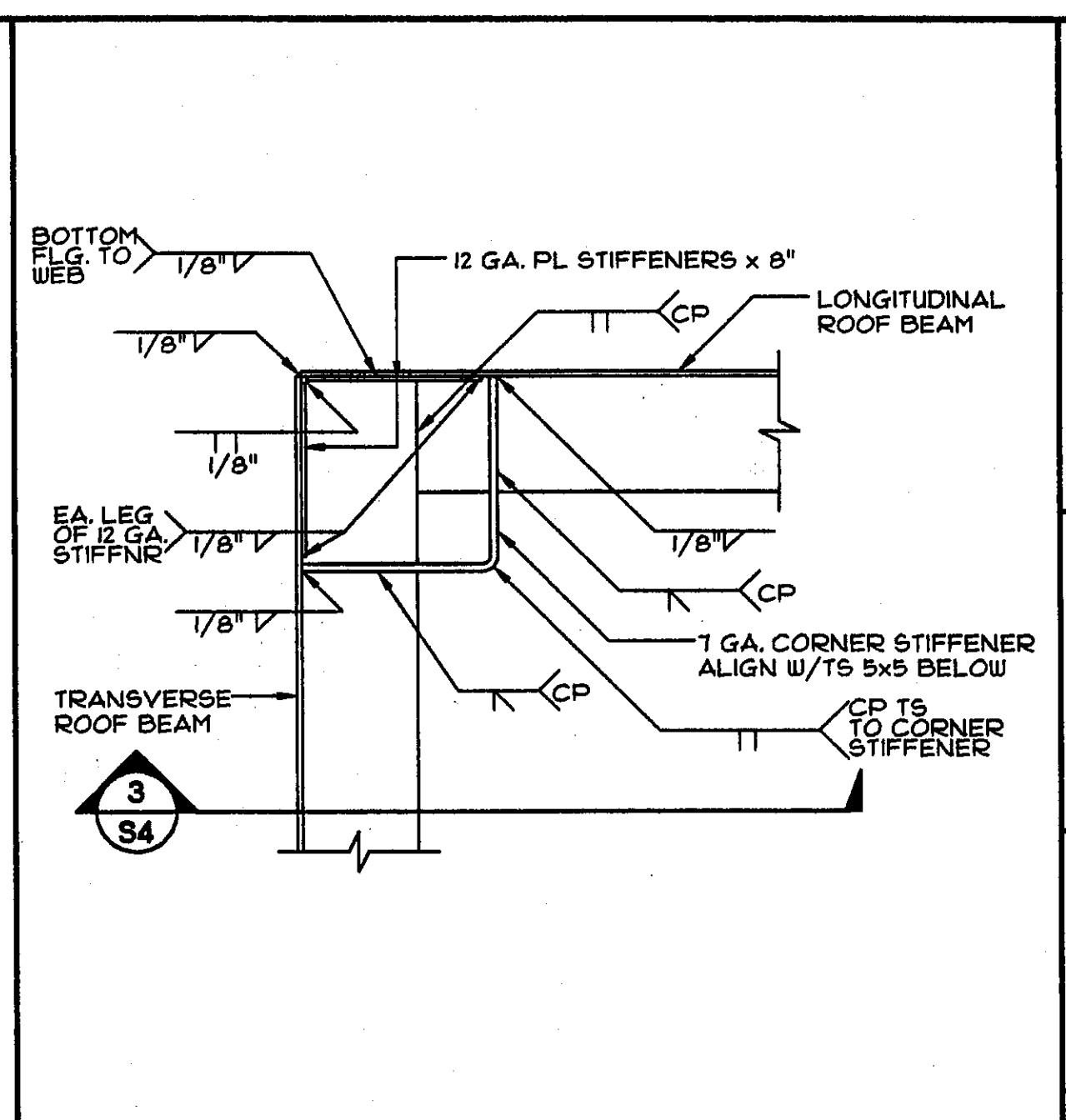
2 **PURLIN TO STIFFENER AT BEAM**
SCALE: 3/4"=1'-0"



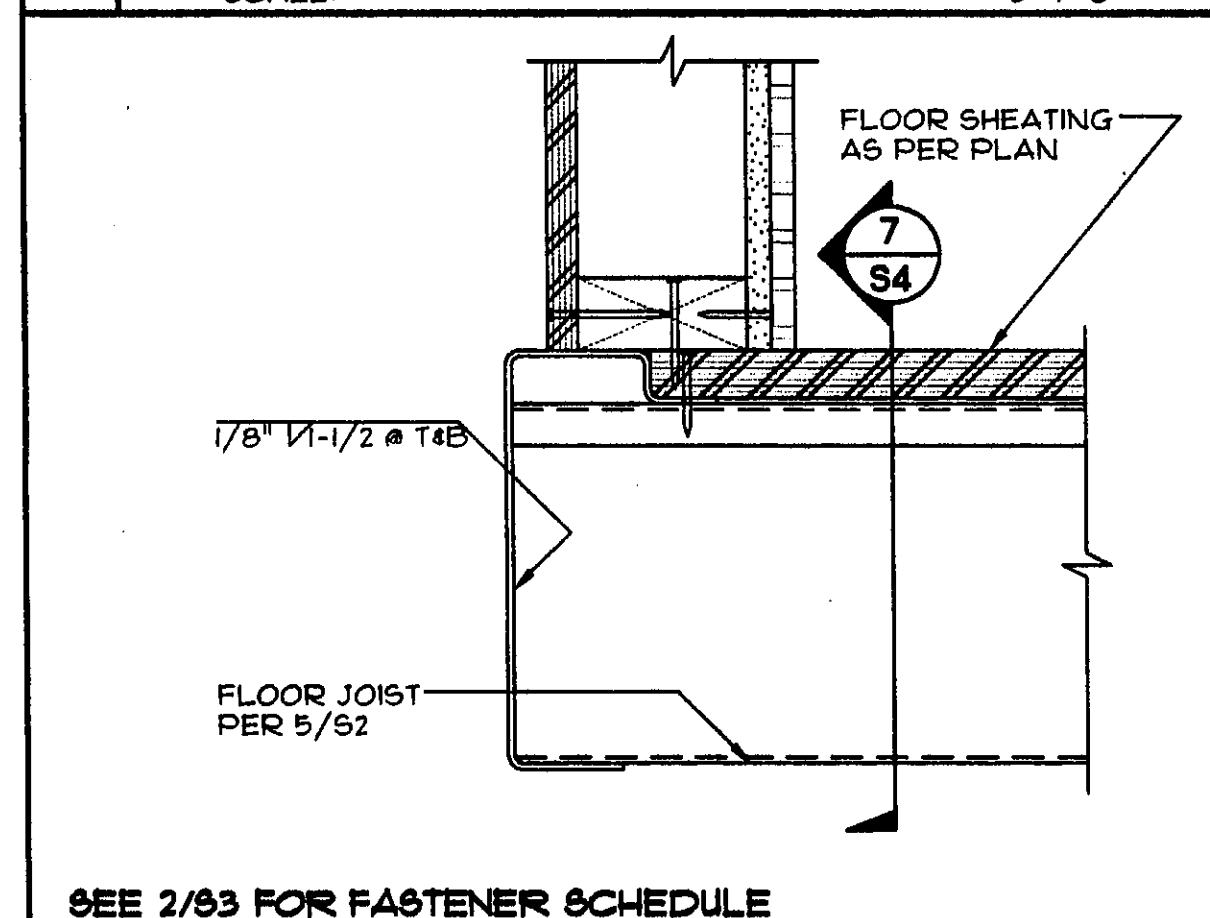
3 **ROOF BEAM SECTION @ CORNER**
SCALE: 3/4"=1'-0"



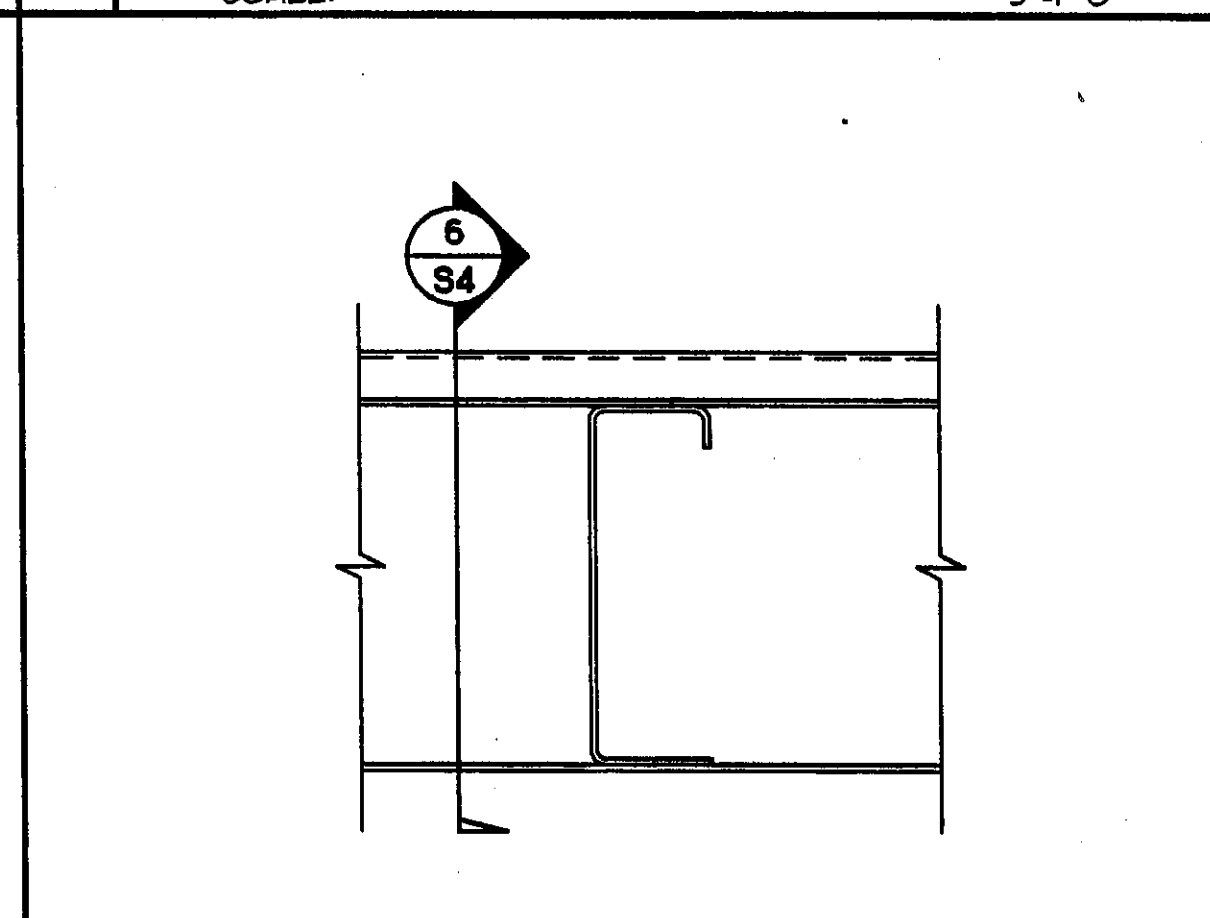
4 **ROOF BEAM TOP FLANGE**
SCALE: 3/4"=1'-0"



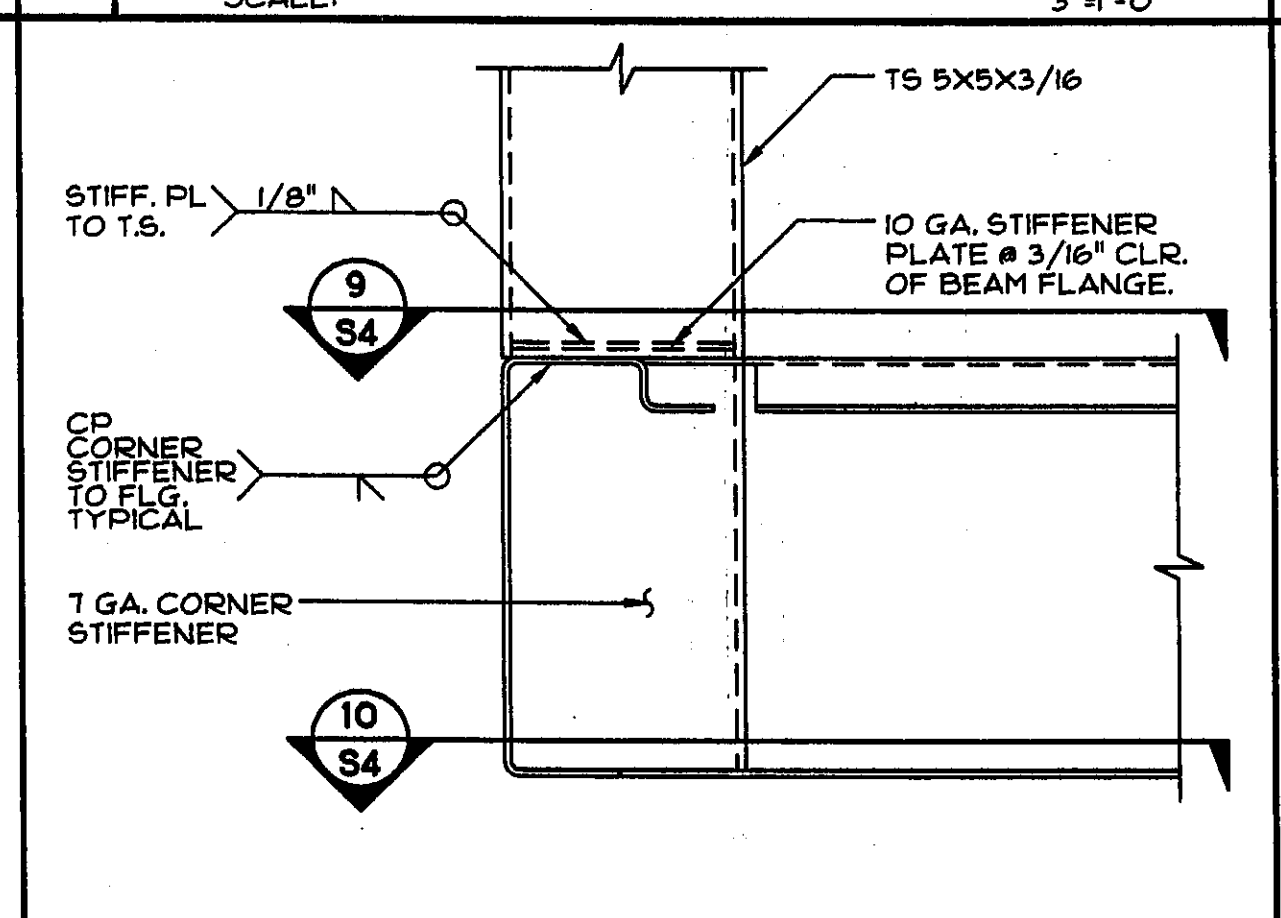
5 **ROOF BEAM BOTTOM FLANGE**
SCALE: 3/4"=1'-0"



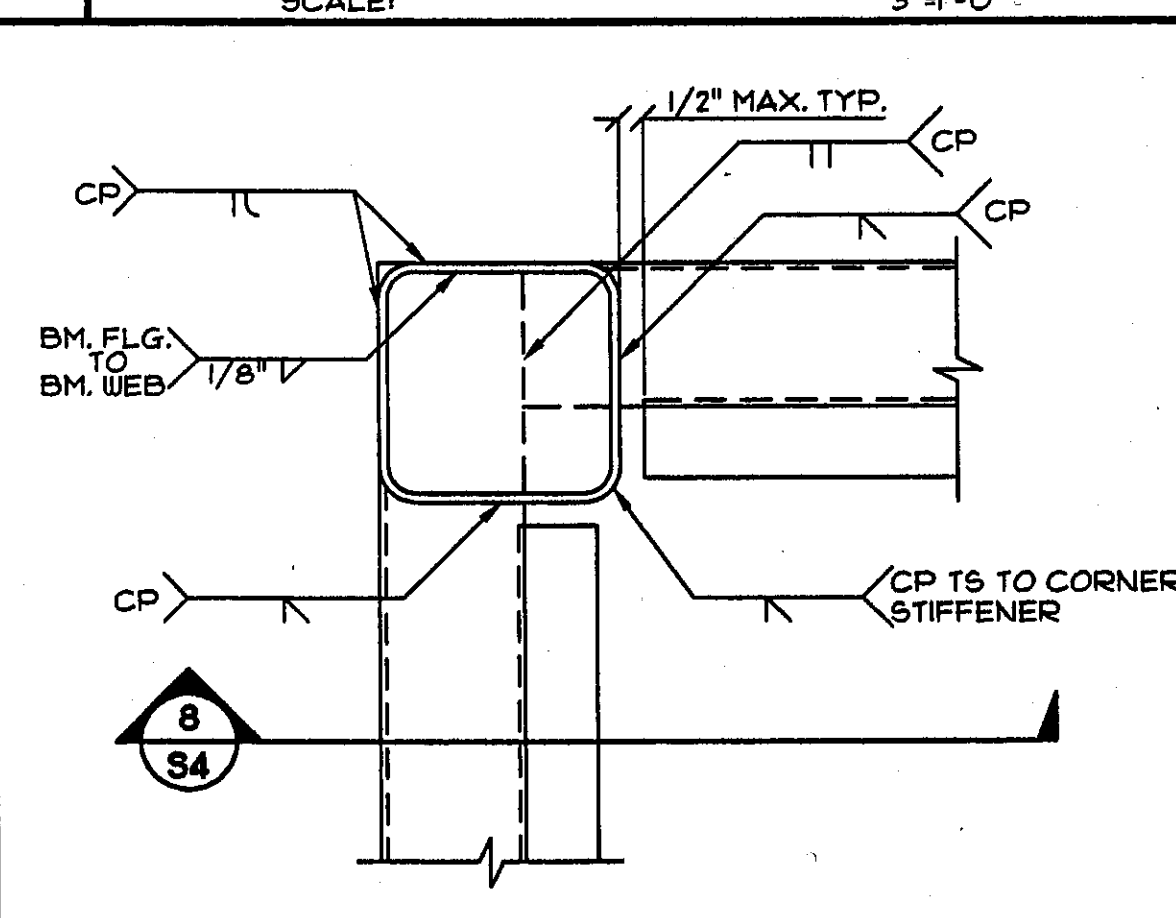
6 **FLOOR BEAM @ JOIST CONNECTION**
SCALE: 3/4"=1'-0"



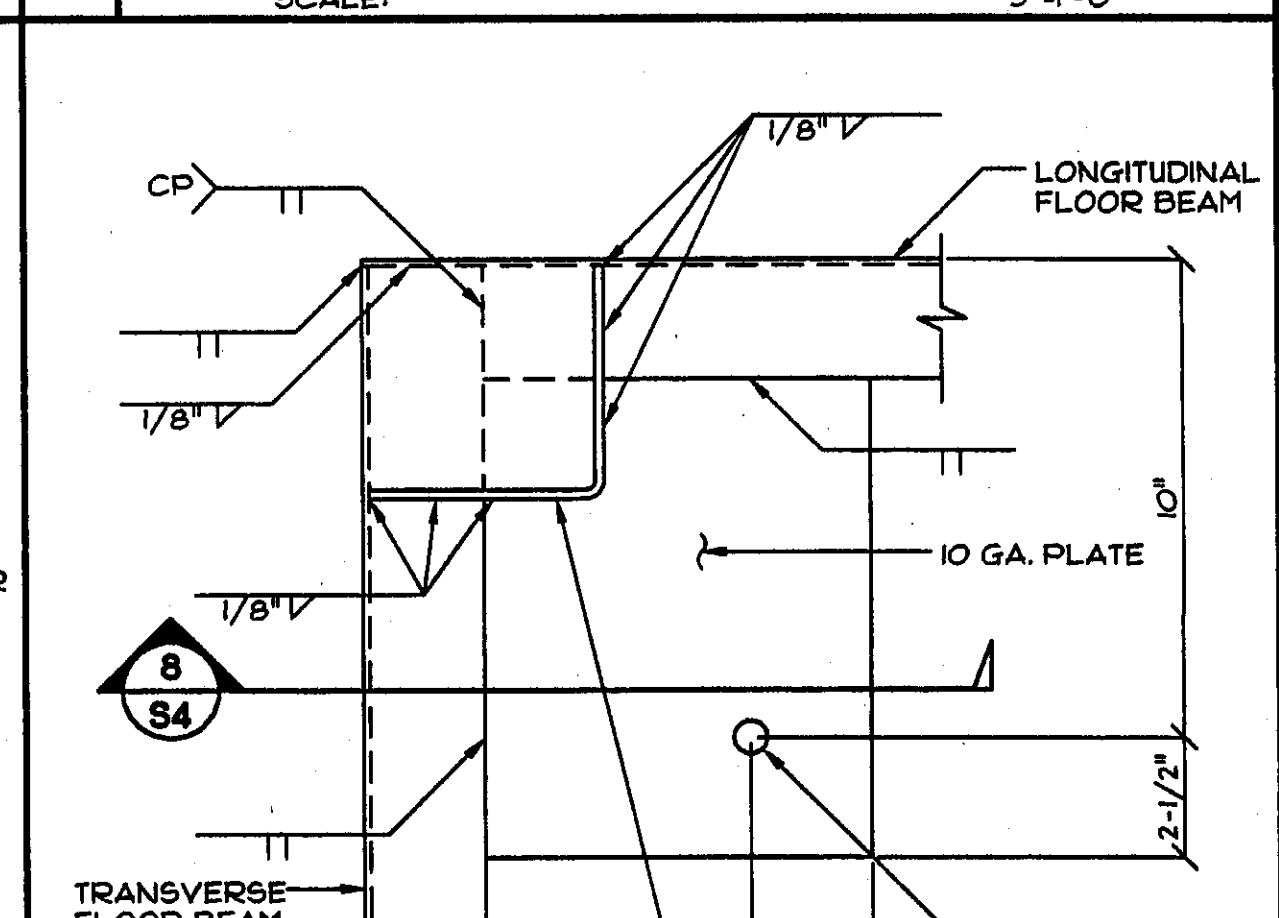
7 **JOIST TO BEAM CONNECTION**
SCALE: 3/4"=1'-0"



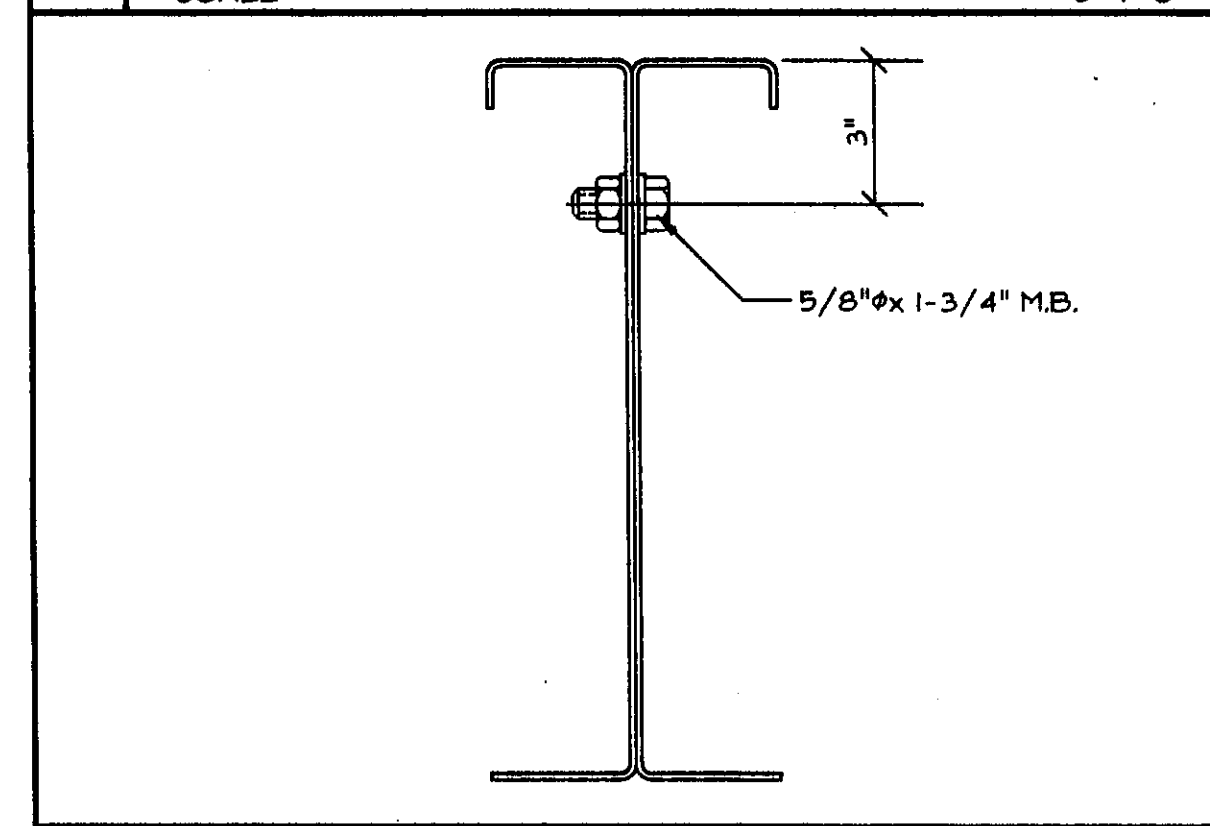
8 **FLOOR BEAM SECTION @ CORNER**
SCALE: 3/4"=1'-0"



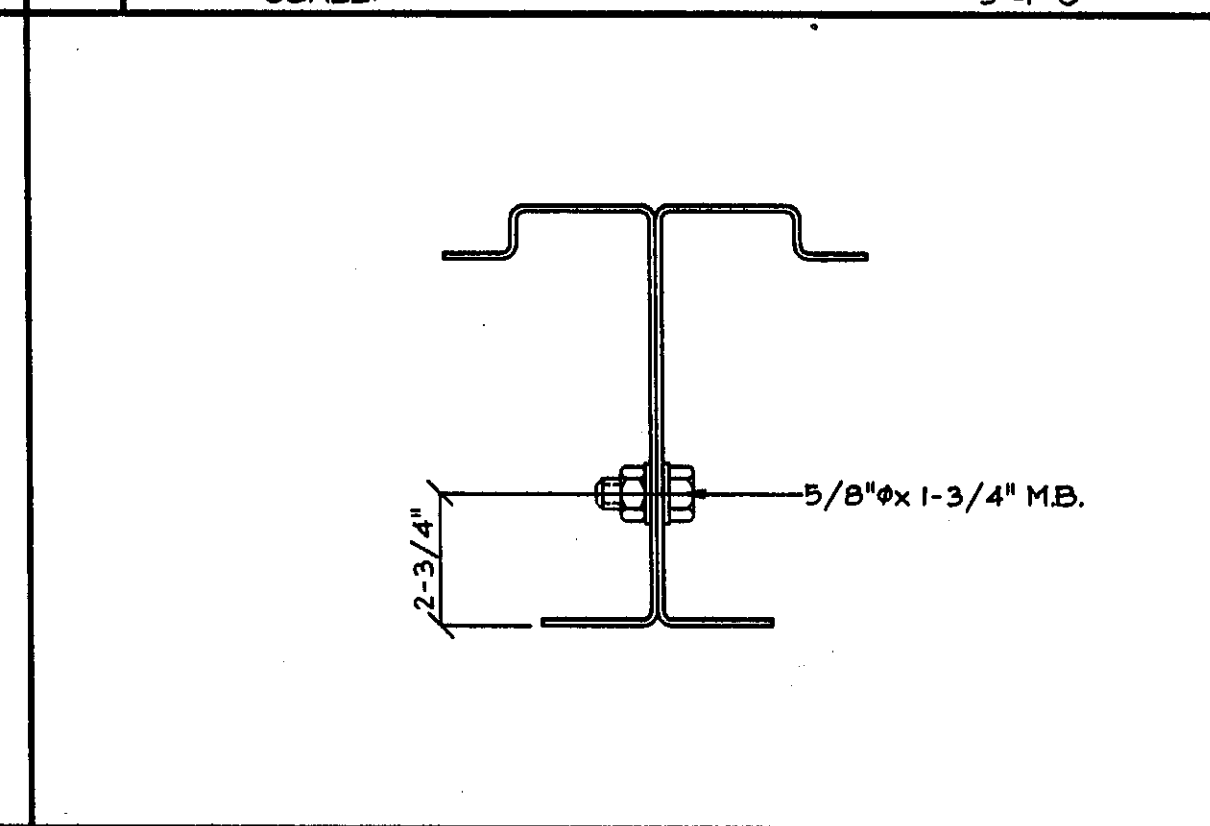
9 **FLOOR BEAM TOP FLANGE**
SCALE: 3/4"=1'-0"



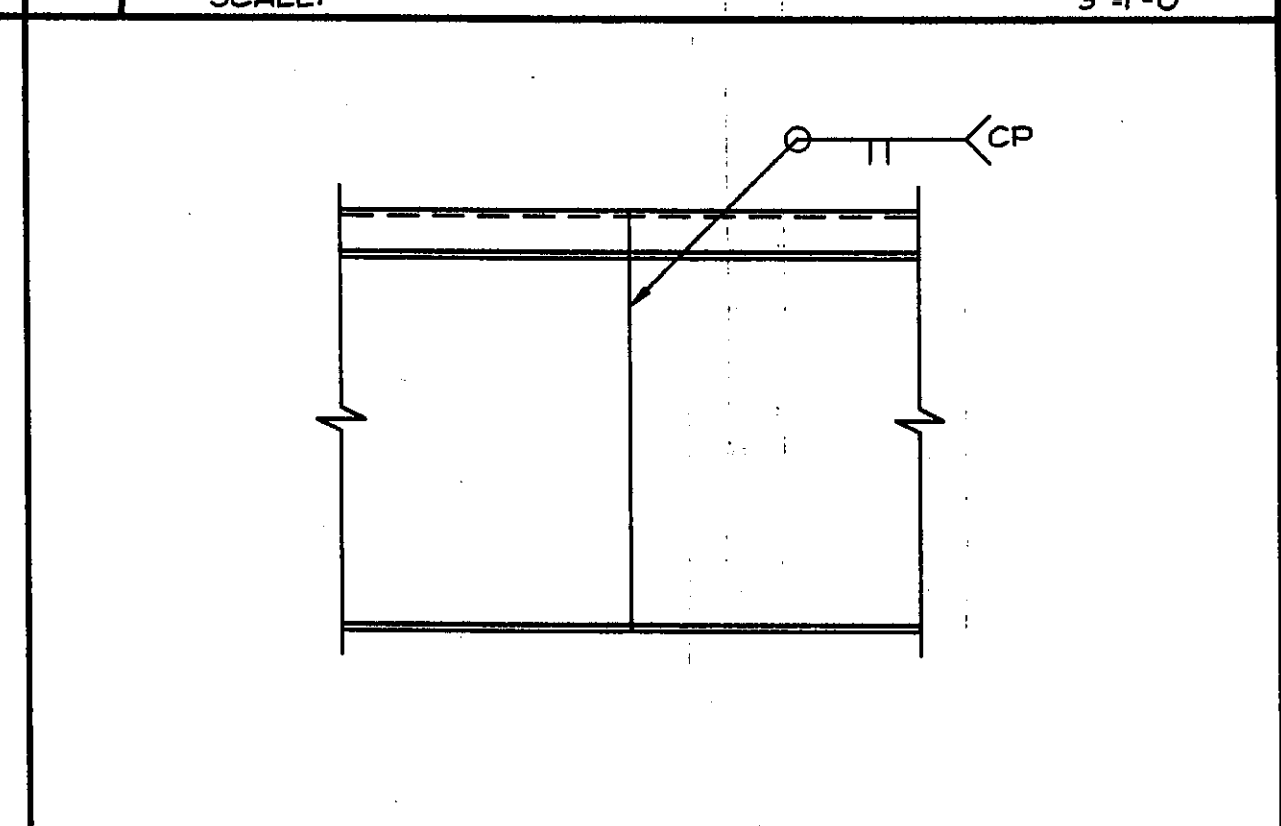
10 **FLOOR BEAM BOTTOM FLANGE**
SCALE: 3/4"=1'-0"



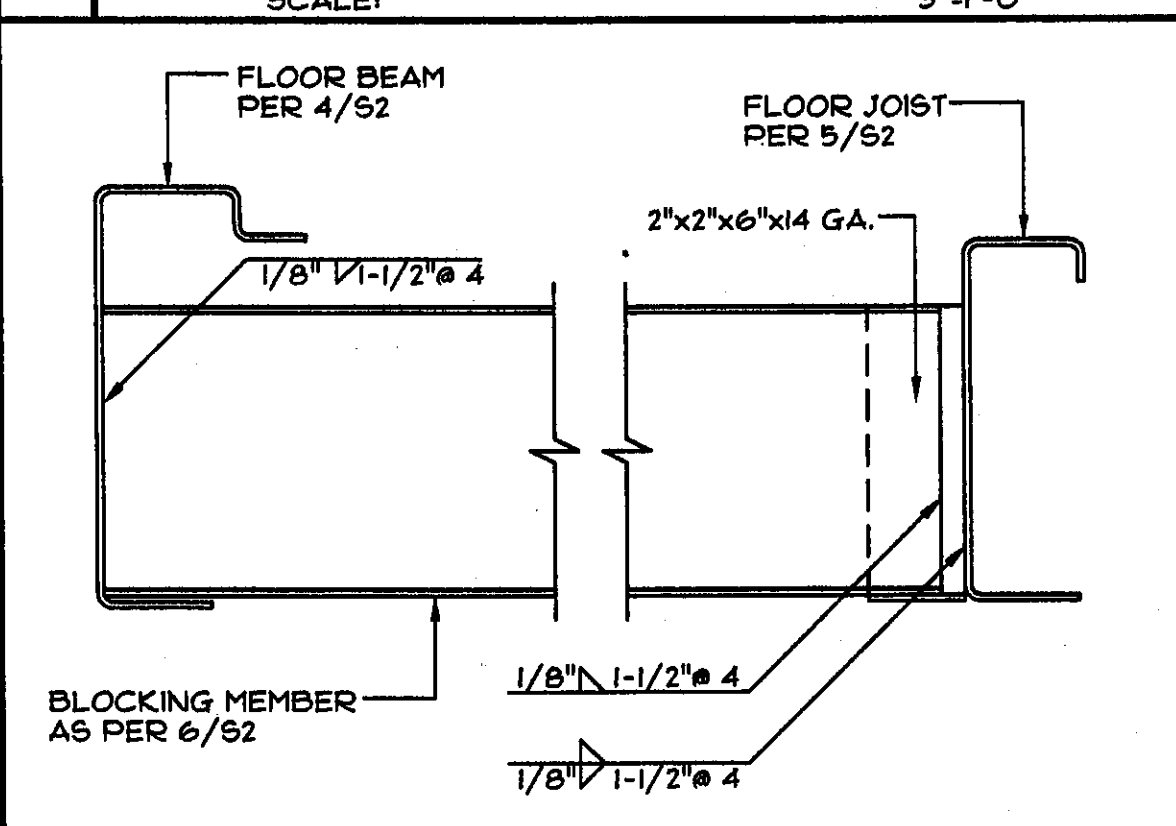
11 **ROOF BEAM CONNECTION @ MOD LINE**
SCALE: 3/4"=1'-0"



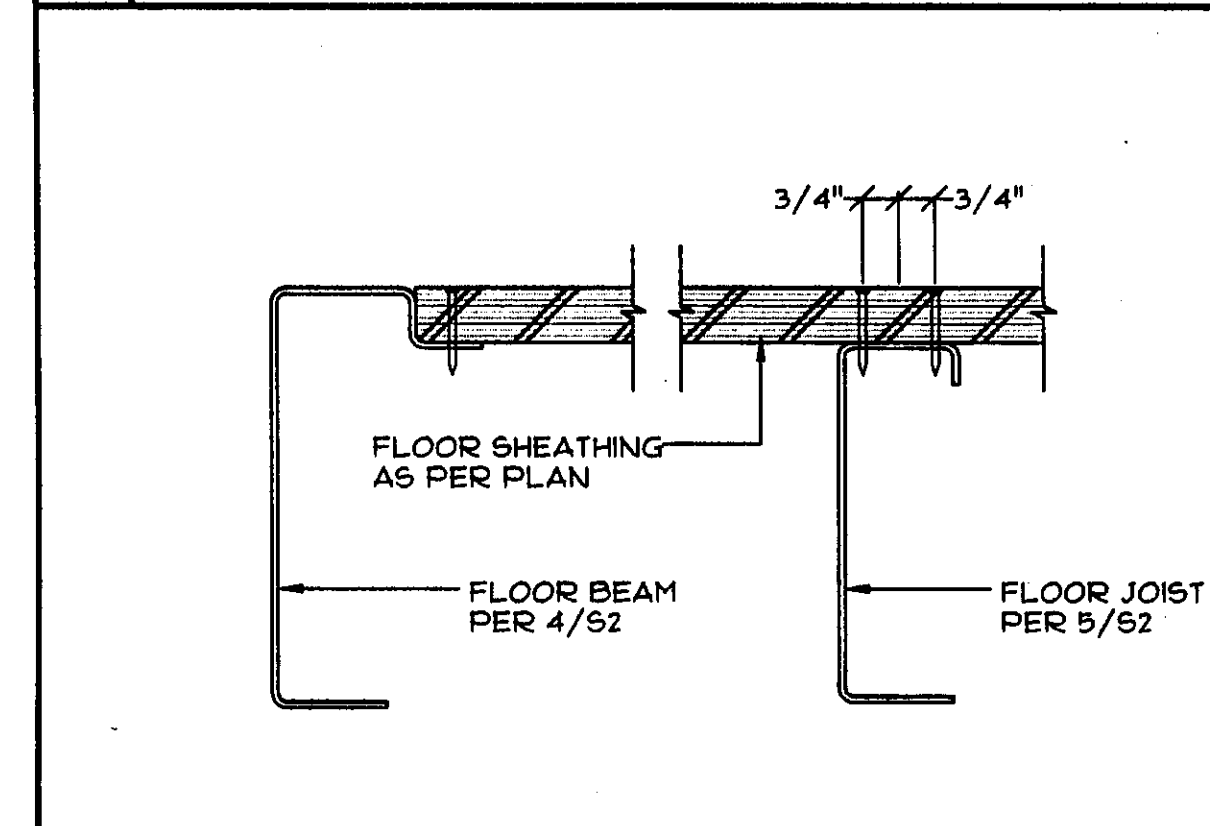
12 **FLR BEAM CONNECTION @ MOD LINE**
SCALE: 3/4"=1'-0"



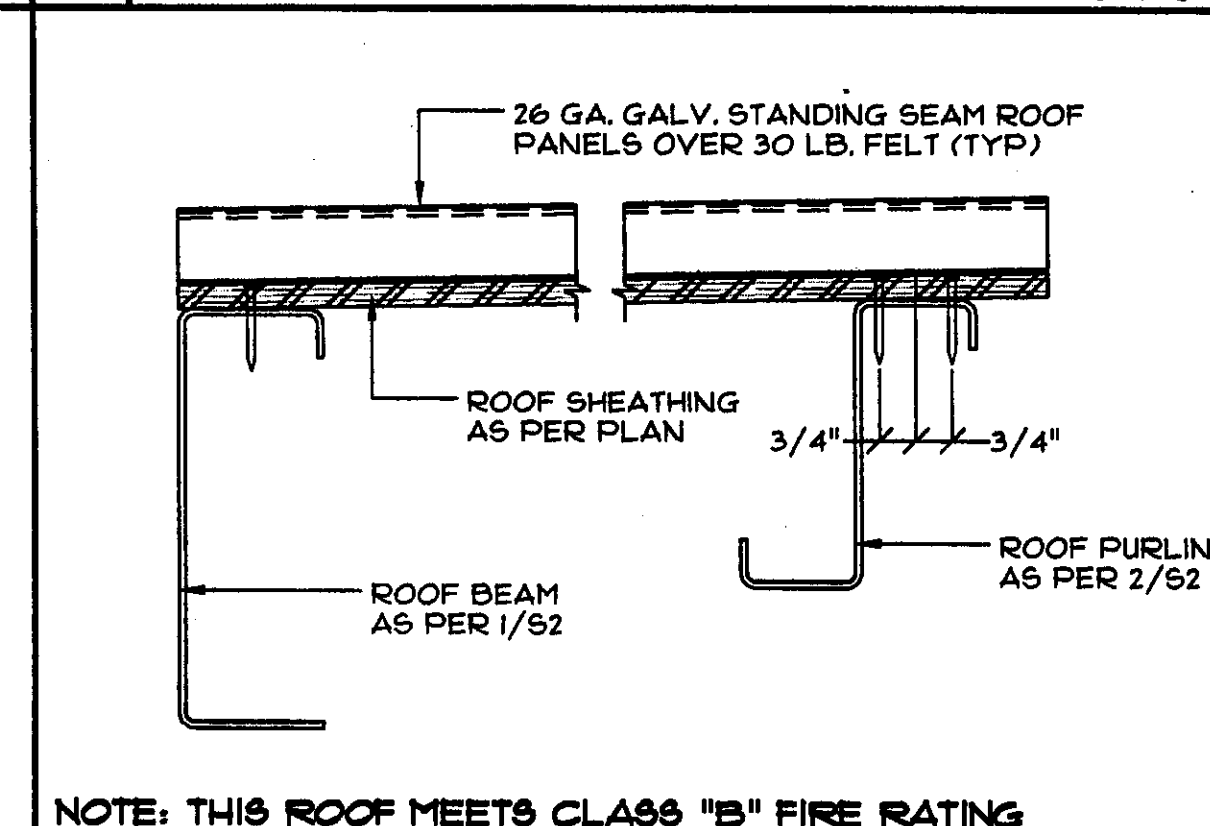
13 **BEAM SPLICE DETAIL**
SCALE: 3/4"=1'-0"



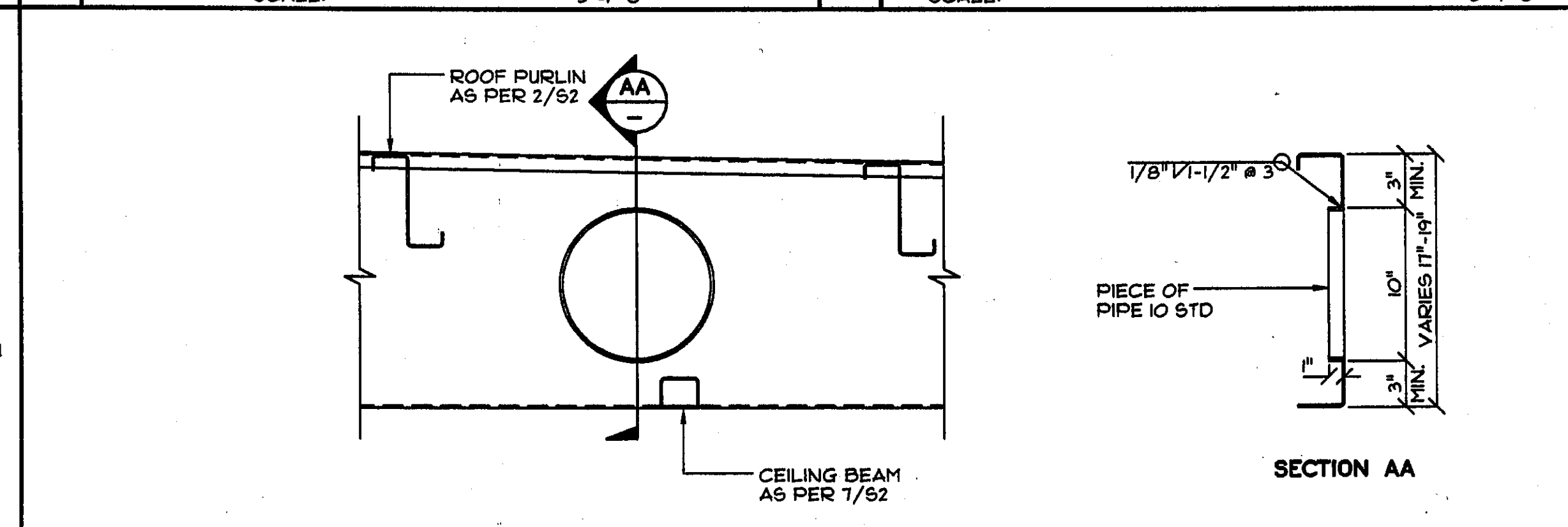
14 **BLOCKING MEMBER CONNECTION**
SCALE: 3/4"=1'-0"



15 **FLOOR SHEATHING ATTACHMENT**
SCALE: 3/4"=1'-0"



16 **ROOF SHEATHING ATTACHMENT**
SCALE: 3/4"=1'-0"



17 **10" ROOF BEAM PENETRATION @ MOD-LINE**
SCALE: 1/2"=1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-271
DATE: 4/10/97

DESIGN CRITERIA
ROOF: DEAD LOAD - 8.0 PSF
ROOF: LIVE LOAD - 20.0 PSF (SNOW)
FLOOR: DEAD LOAD - 8.0 PSF
FLOOR: LIVE LOAD - 50.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD - 70.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD - 125.0 PSF
WALLS: DEAD LOAD - 8.0 PSF
WIND: 80 MPH; EXPOSURE: C
cq=16.4 PSF; Ce=1.06; Cq AS REQ.
SEISMIC: ZONE 4, R=6, C=2.75

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

18 **APPROVALS**

JH Lawder, Inc.
Structural Engineers
621 16th STREET
MADERA, CA 95348
(916) 831-1165

PROFESSIONAL SEAL
JOHN H. LAWDER
NO. 52310
EXP. 3-31-97
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD
STOCKTON, CA. 95215

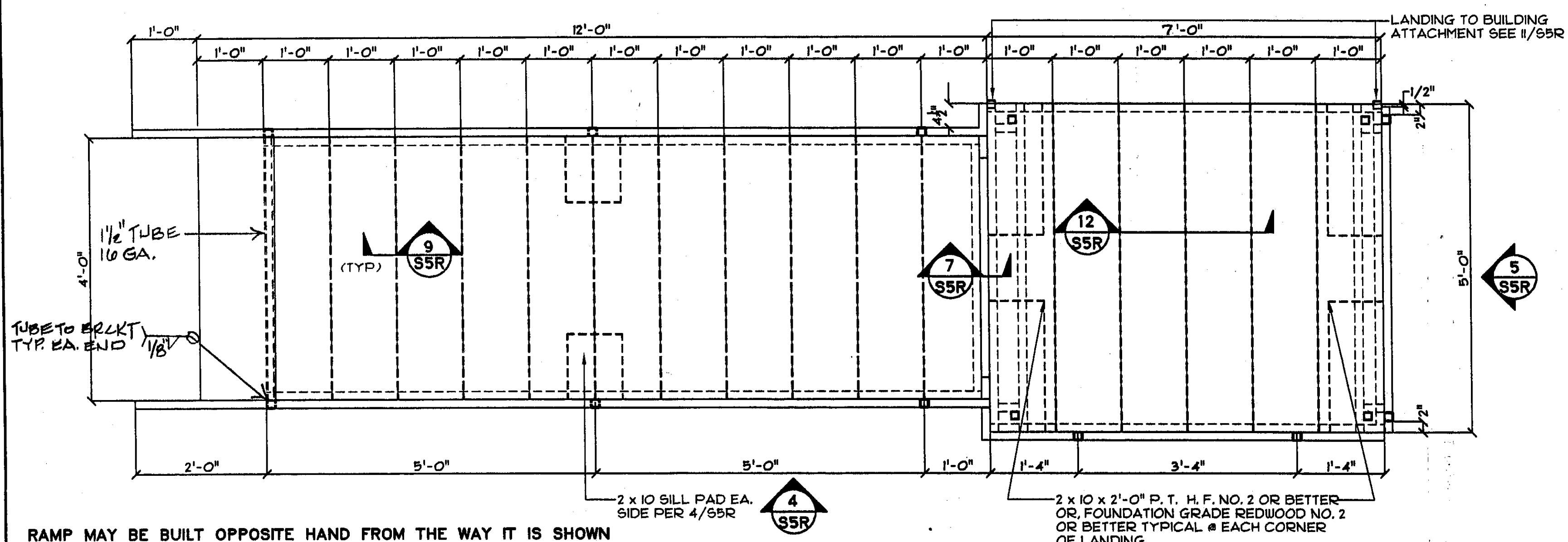
CONNECTION DETAILS

REVISION DATE: BY:

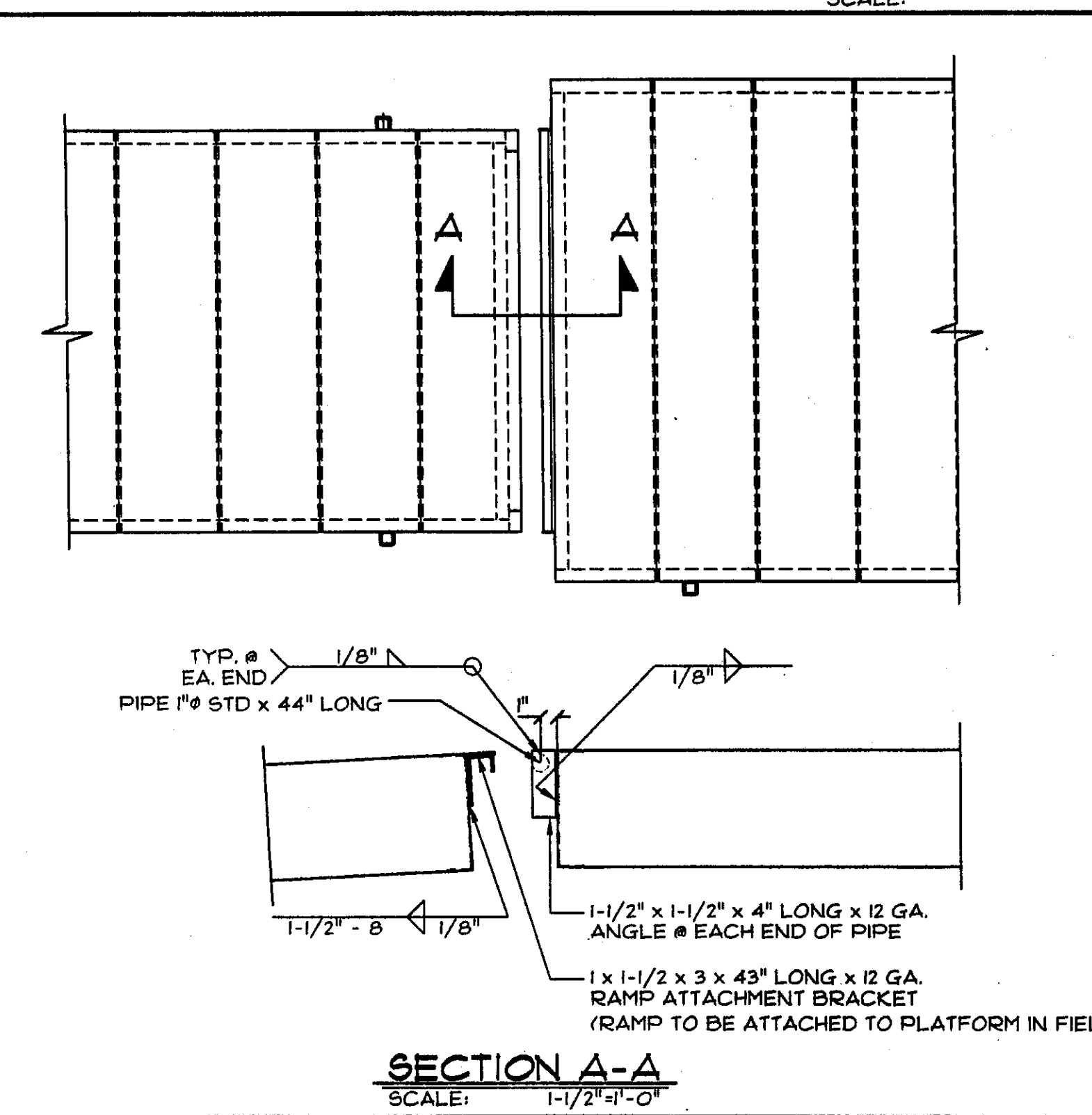
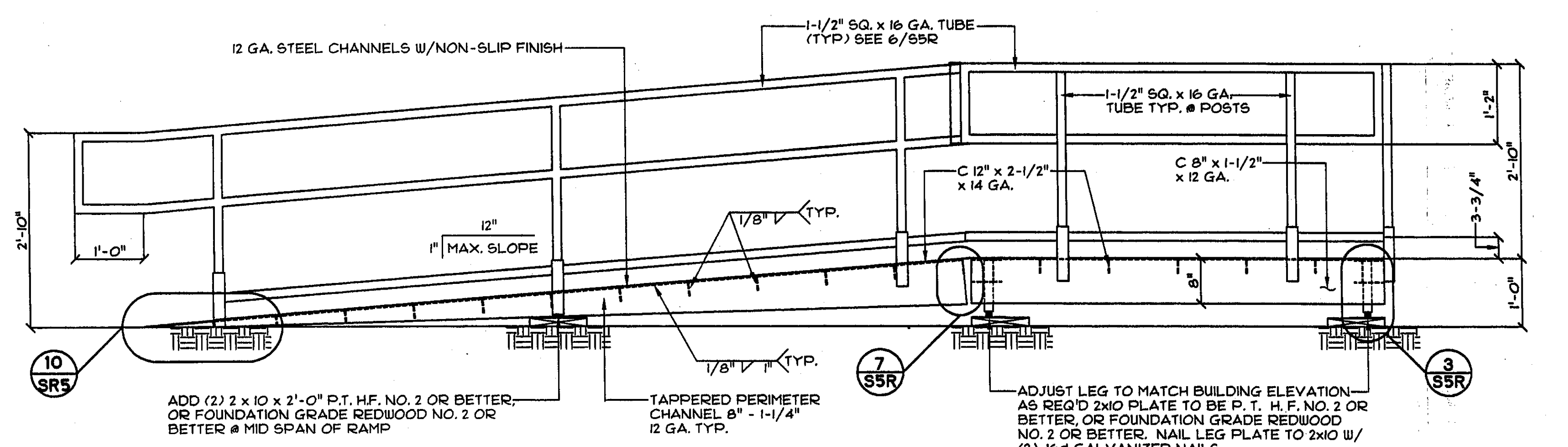
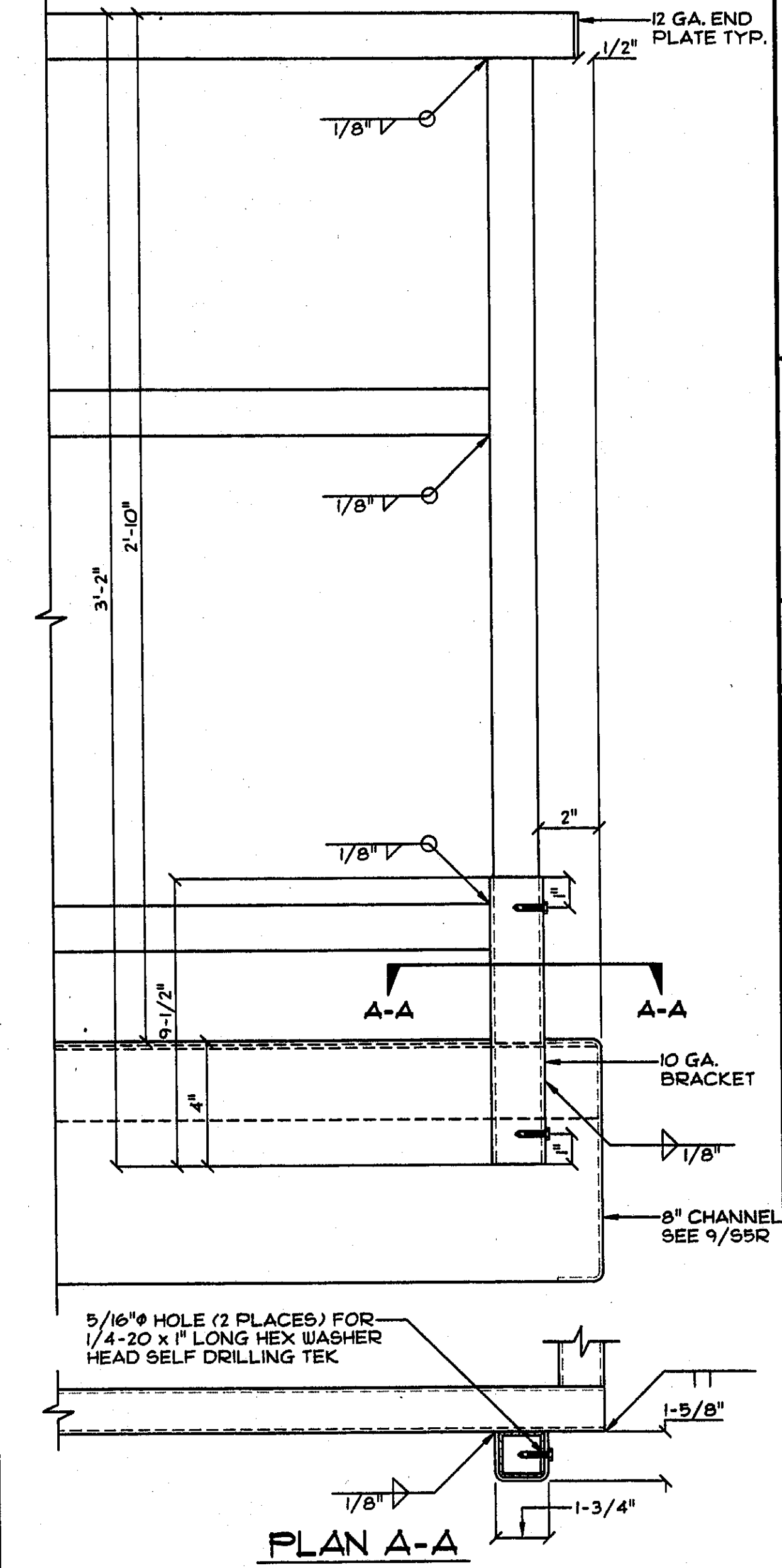
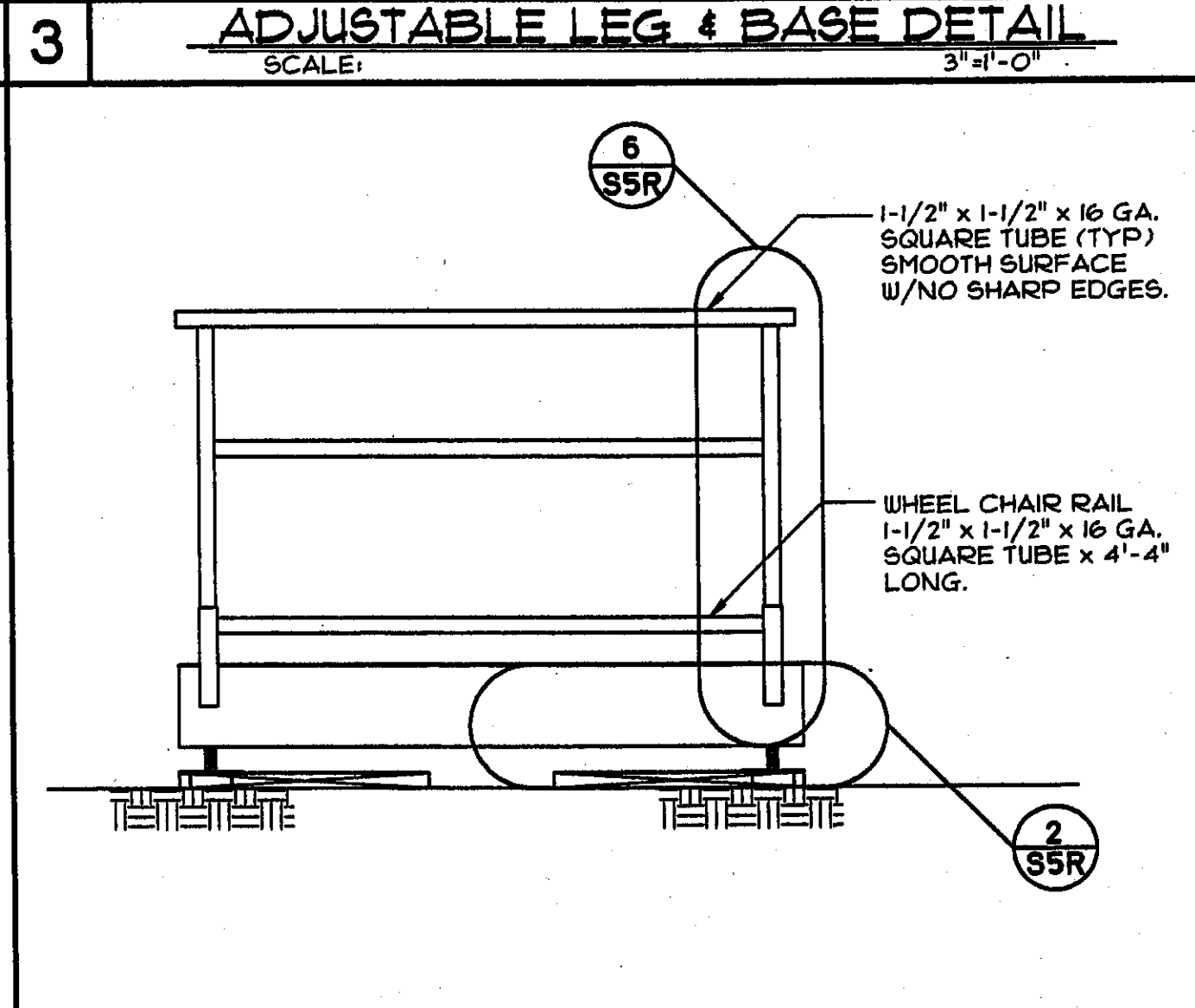
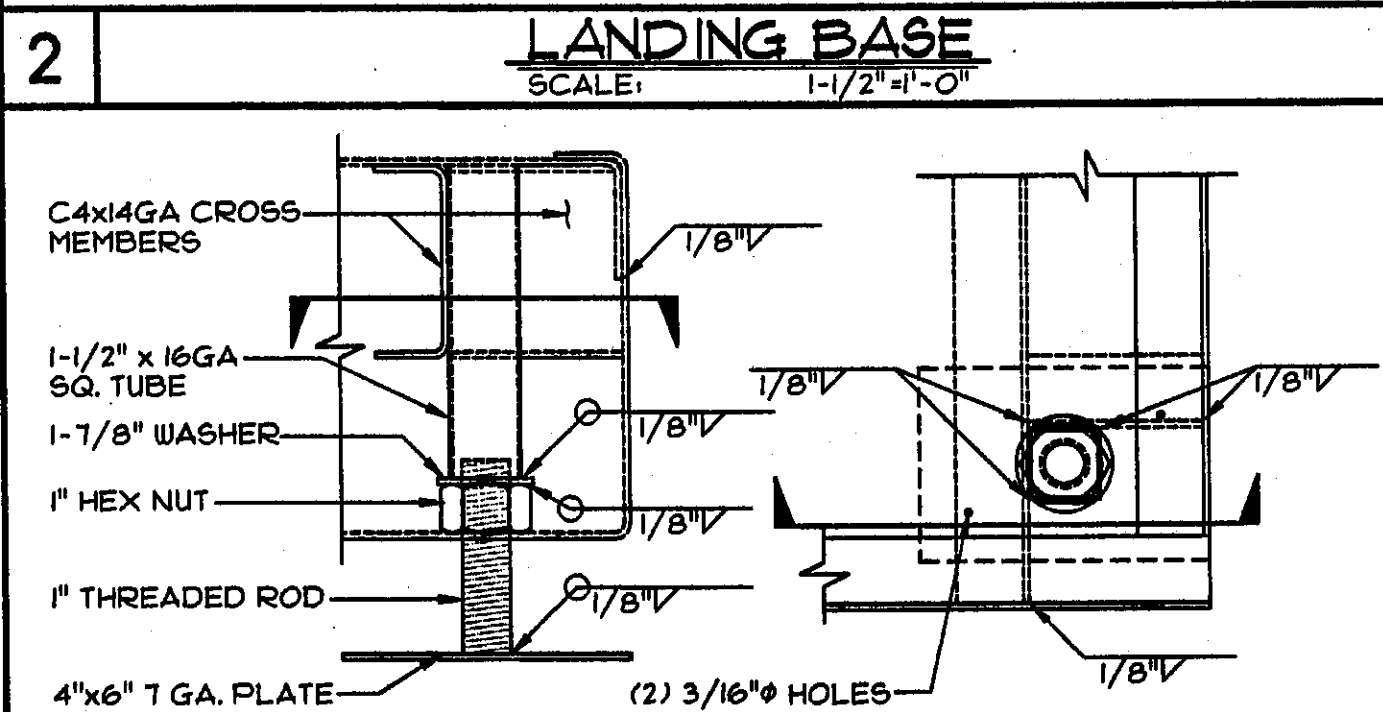
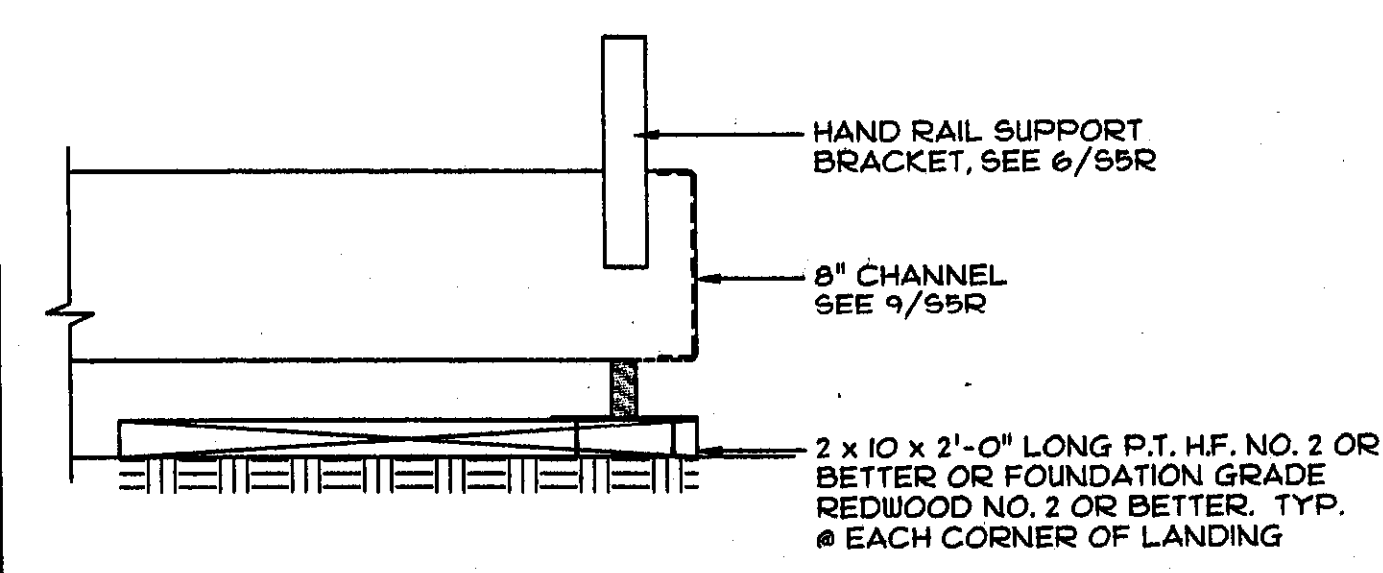
DATE:

19

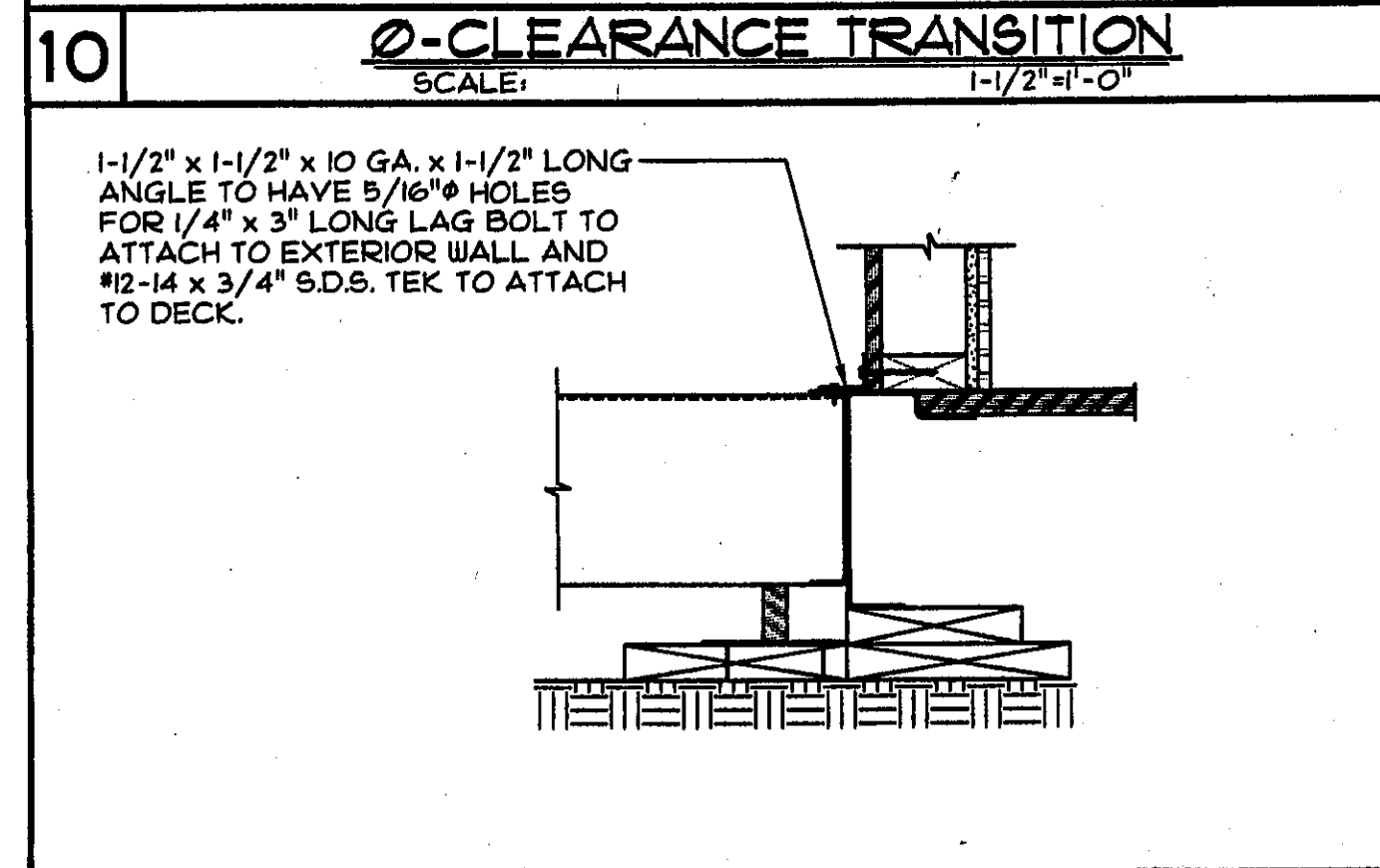
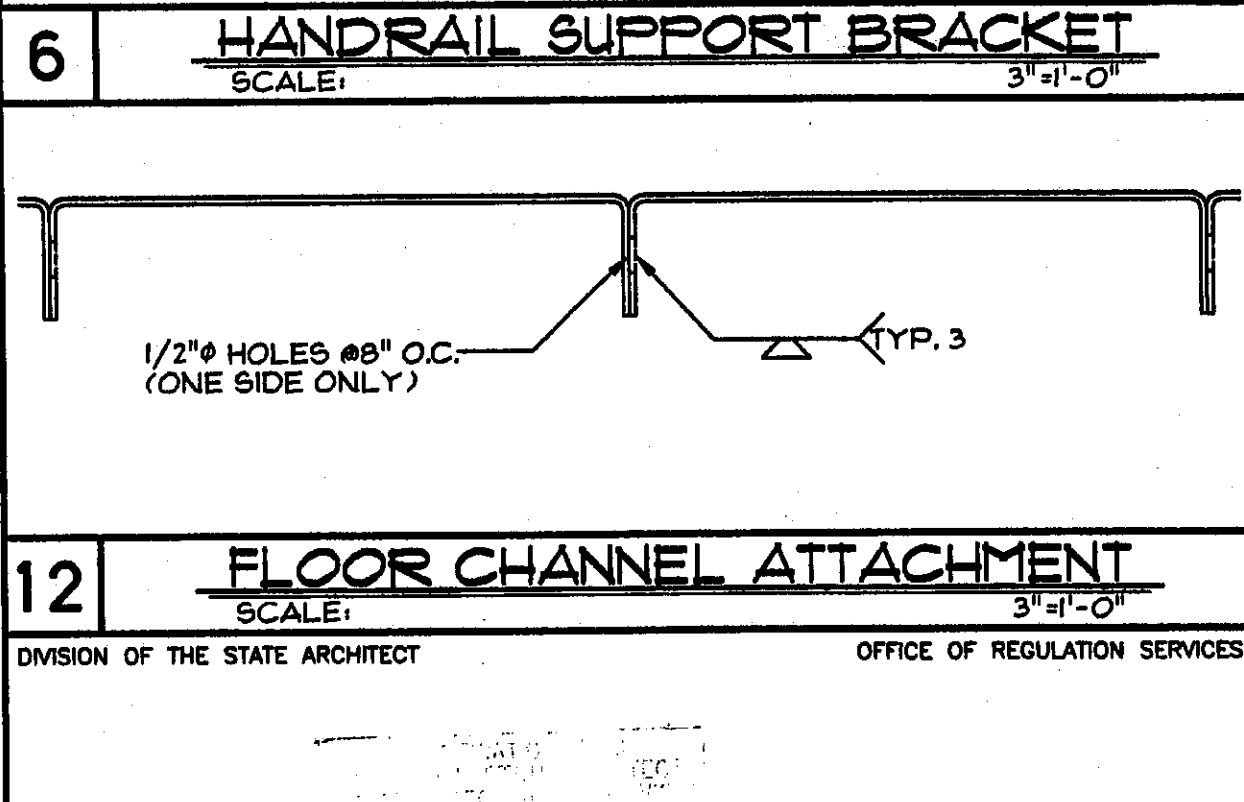
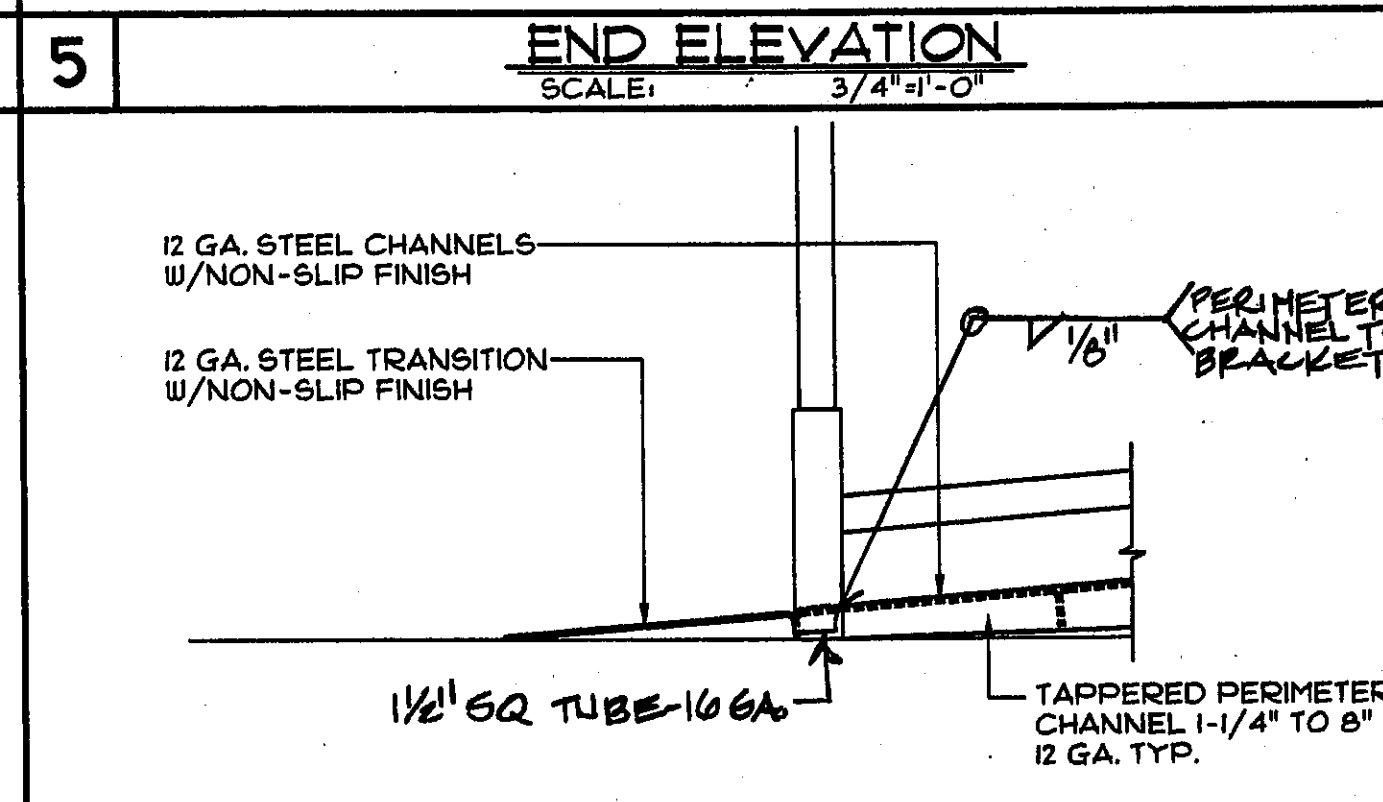
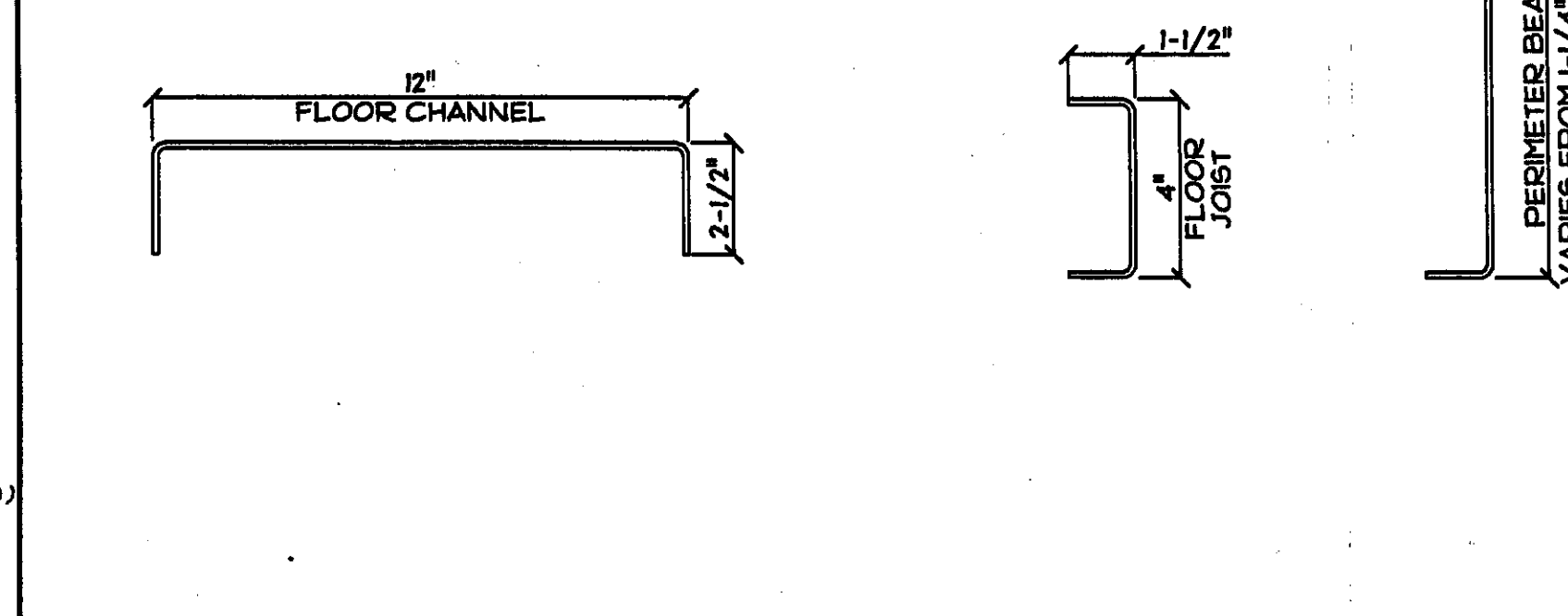
DSA ACCESS COMPLIANCE NOTE: FLOOR HEIGHT MAY VARY FROM 12" TO 16" DEPENDENT UPON FOUNDATION AND SITE CONDITIONS. OWNER SHALL PROVIDE ADDITIONAL RAMP LENGTHS TO MAINTAIN 1" IN 12" SLOPE.



1 RAMP/LANDING FRAMING PLAN
 SCALE: 3/4"=1'-0"



	FLOOR CHANNELS	FLOOR JOIST	PERIMETER BEAM	
A (IN ²)	1.51	.35	1-1/4"	8"
I _x MIN (IN ⁴)	1.52	.62	1.58	8.36
S _x MIN (IN ³)	.75	.33	.79	2.12
T (IN)	.105"(12 GA)	.06"(16 GA)	.105"(12 GA)	.105"(12 GA)



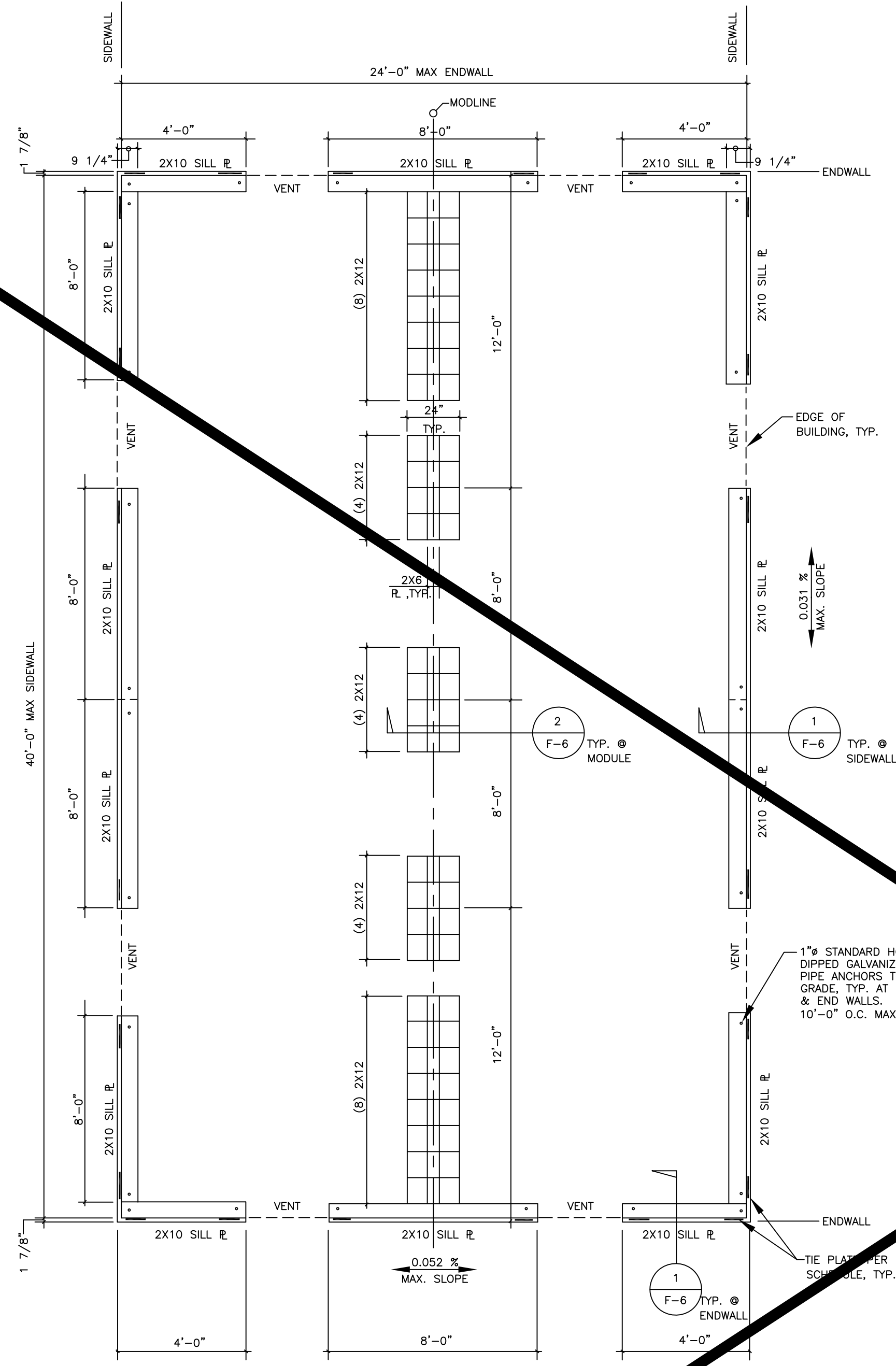
12 101478
 DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC-271
 DATE 5/10/96

DESIGN CRITERIA

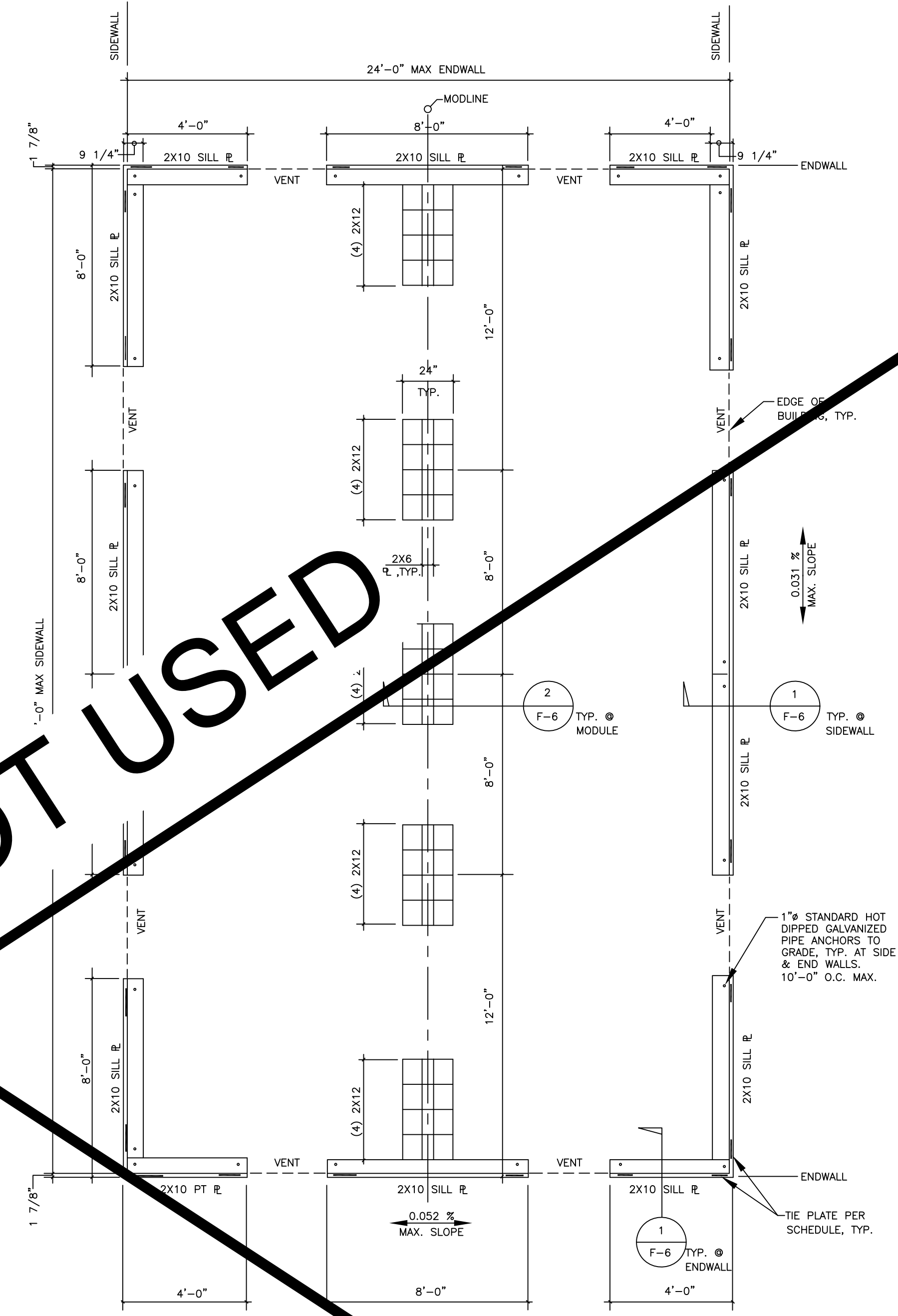
RAMP: DEAD LOAD - 5.0 PSF
 RAMP: LIVE LOAD - 100.0 PSF

JH Lawler, Inc.
 Structural Engineers
 431 1/2th STREET STOCKTON, CA 95204
 (209) 551-1100
ENVIROPLEX, INC.
 4777 E. CARPENTER ROAD STOCKTON, CA 95215
HANDICAP ACCESS RAMP
 THIS MODULAR BLOG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

$S_s = 2.183$ (MAPPED VALUE)



FOUNDATION PLAN - 50 PSF FLOOR LIVE LOAD + 20 PSF PARTITIONS



FOUNDATION PLAN - 50 PSF FLOOR LIVE LOAD

NOT USED

NOTES:

- SEE SHEET F-1 FOR GENERAL NOTES.
 - SEE SHEET F-7 FOR TYPICAL NOTES.
 - UNDER FLOOR VENTILATION: (@24'X40' BLDG.)*
REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
 - UNDERFLOOR VENTILATION: (@36'X40' BLDG.)*
REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
 - UNDERFLOOR VENTILATION: (@48'X40' BLDG.)*
REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
 - PROVIDE 2-2X PLATES OR BLOCKS @ 24'X40' BUILDING (MIN. HEIGHT = 3")
PROVIDE 3-2X PLATES OR BLOCKS @ 36' & 48'X40' BUILDINGS (MIN. HEIGHT = 4 1/2")
 - ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16-1
 - ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16D GALV. BOX.
ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d GALV. BOX.
ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
 - UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
 - HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
 - ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATE PER DETAIL 9/F-6.
- * NOTE: UNDER FLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS. MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

1/4" = 1'-0"

TIE PLATE SCHEDULE: (1) (2) (3) 50 PSF / 50 + 20 PSF $S_s = 2.183$			TIE PLATE SCHEDULE: (1) (2) (3) 50 PSF / 50 + 20 PSF $S_s = 2.183$			SHOT PIN SCHEDULE: 50 PSF / 50 + 20 PSF $S_s = 2.183$		
Building Size	NUMBER OF TIE PLATES PER ENDWALL	NUMBER OF TIE PLATES PER SIDEWALL	Building Size	NUMBER OF TIE PLATES PER ENDWALL	NUMBER OF TIE PLATES PER SIDEWALL	Building Size	NUMBER OF SHOT PINS PER ENDWALL	SHOT PINS PER SIDEWALL
24'x40'	4	4	24'x40'	5	6	24'x40'	13"	32" O.C.
36'x40'	6	6	36'x40'	7	7	36'x40'	19" O.C.	21" O.C.
48'x40'	8	8	48'x40'	9	9	48'x40'	19" O.C.	16" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
*Side Wall is the 40' Long Wall of Each Building

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE TIE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR
(3) SEE DETAIL 8/F-6 FOR THE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

SITE SPECIFIC APPROVAL	DSA PC STAMP PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	APPROVAL - PC ENGINEER OF RECORD Date Signed: September 24, 2020
------------------------	--	---

EXL
STRUCTURAL ENGINEERS, INC.

4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710

MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0238

TABLE OF CONTENTS			
Sheet No	Description	Dated	Revised

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

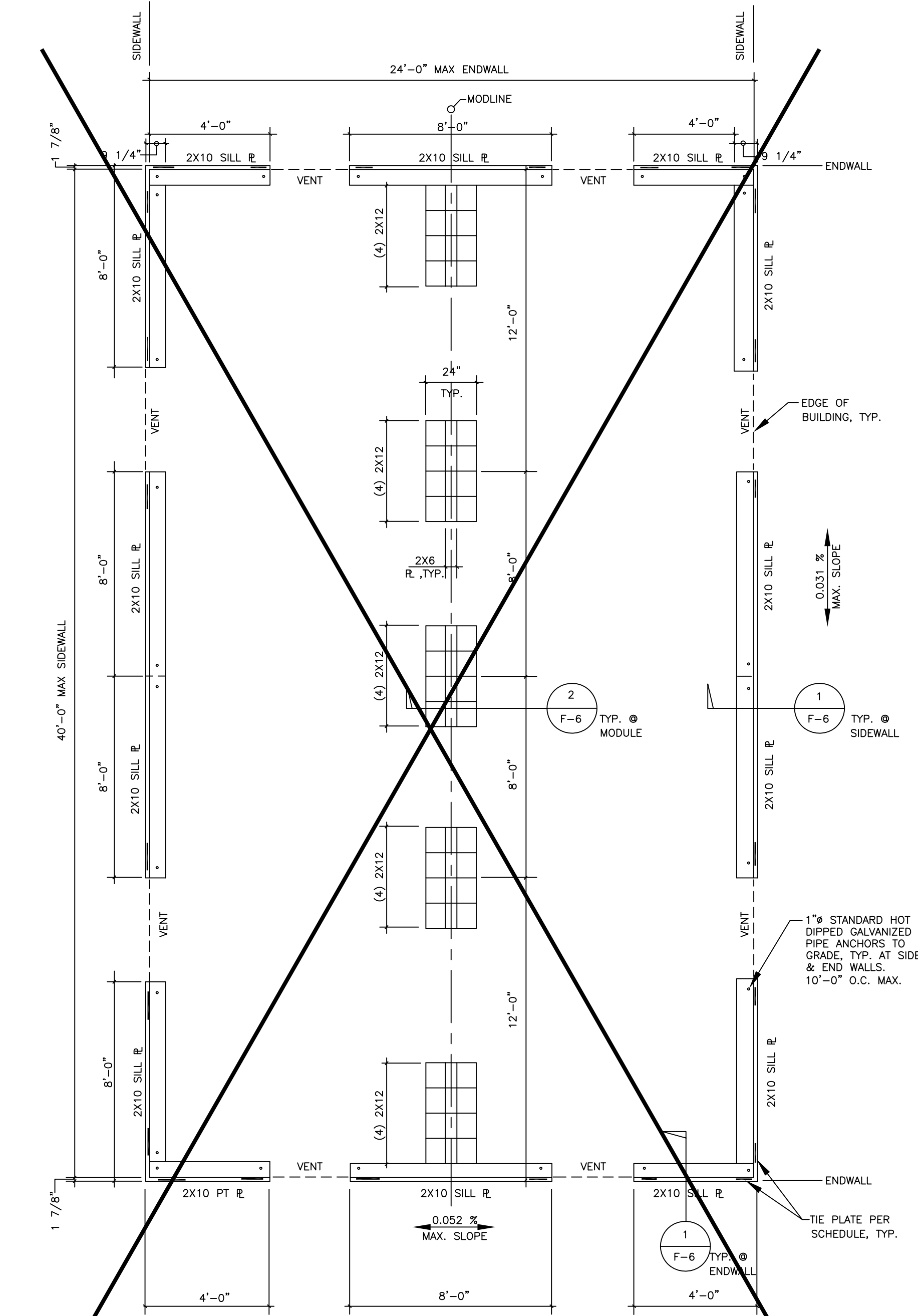
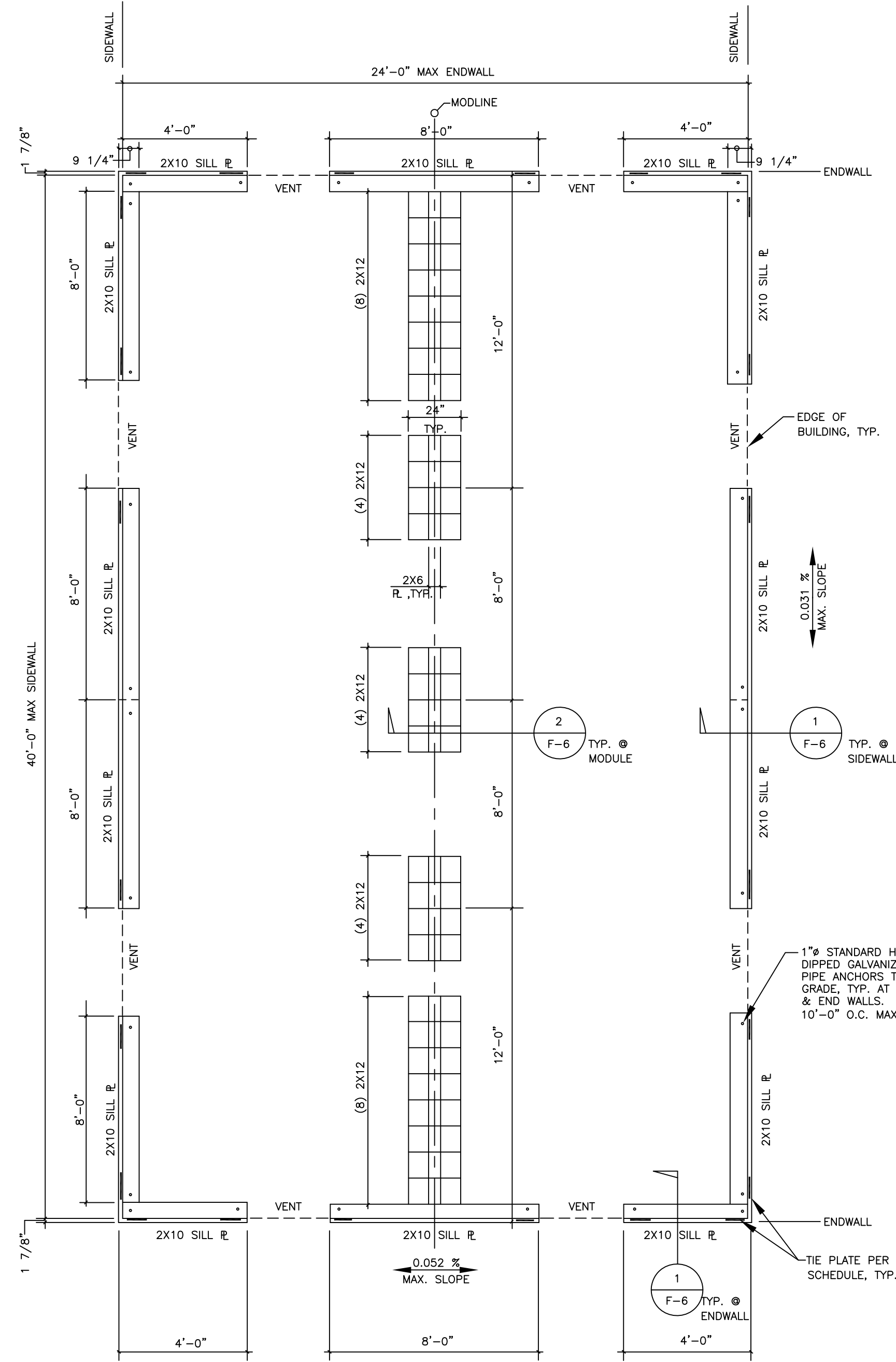
MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119396 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 10/29/2020

PC 04-119396
FOUNDATION PLANS

DRAWN
CHECKED
DATE
AUG. 15, 2020
SCALE
JOB NO.
F-3
OF 19 SHEETS

$S_s = 3.08$ (MAPPED VALUE)



FOUNDATION PLAN - 50 PSF FLOOR LIVE LOAD + 20 PSF PARTITIONS

FOUNDATION PLAN - 50 PSF FLOOR LIVE LOAD + 20 PSF PARTITIONS

1/4" = 1'-0"

1/4" = 1'-0"

NOTES:

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- HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
- ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.
- * NOTE: UNDER FLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS. MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

TIE PLATE SCHEDULE: (1) (2) (3) 50 PSF / 50 + 20 PSF $S_s = 3.08$		
Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	6	6
36'x40'	9	9
48'x40'	12	12

TIE PLATE SCHEDULE: (1) (2) (3) 50 PSF / 50 + 20 PSF $S_s = 3.08$		
Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	6	6
36'x40'	9	9
48'x40'	12	12

SHOT PIN SCHEDULE: 50 PSF / 50 + 20 PSF $S_s = 3.08$		
Building Size	NUMBER OF SHOT PINS PER ENDWALL	SHOT PINS PER SIDEWALL
24'x40'	13" O.C.	23" O.C.
36'x40'	13" O.C.	15" O.C.
48'x40'	13" O.C.	11" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
*Side Wall is the 40' Long Wall of Each Building

*End Wall is the 24', 36' or 48' Long Wall of the Building
*Side Wall is the 40' Long Wall of Each Building

*End Wall is the 24', 36' or 48' Long Wall of the Building
*Side Wall is the 40' Long Wall of Each Building

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE TIE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR
(3) SEE DETAIL 8/F-6 FOR TIE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

SITE SPECIFIC APPROVAL

DSA PC STAMP

APPROVAL - PC ENGINEER OF RECORD

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



Date Signed: September 24, 2020

EXL
STRUCTURAL ENGINEERS, INC.

4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710

MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax (909) 613-0238

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A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119396 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 10/29/2020

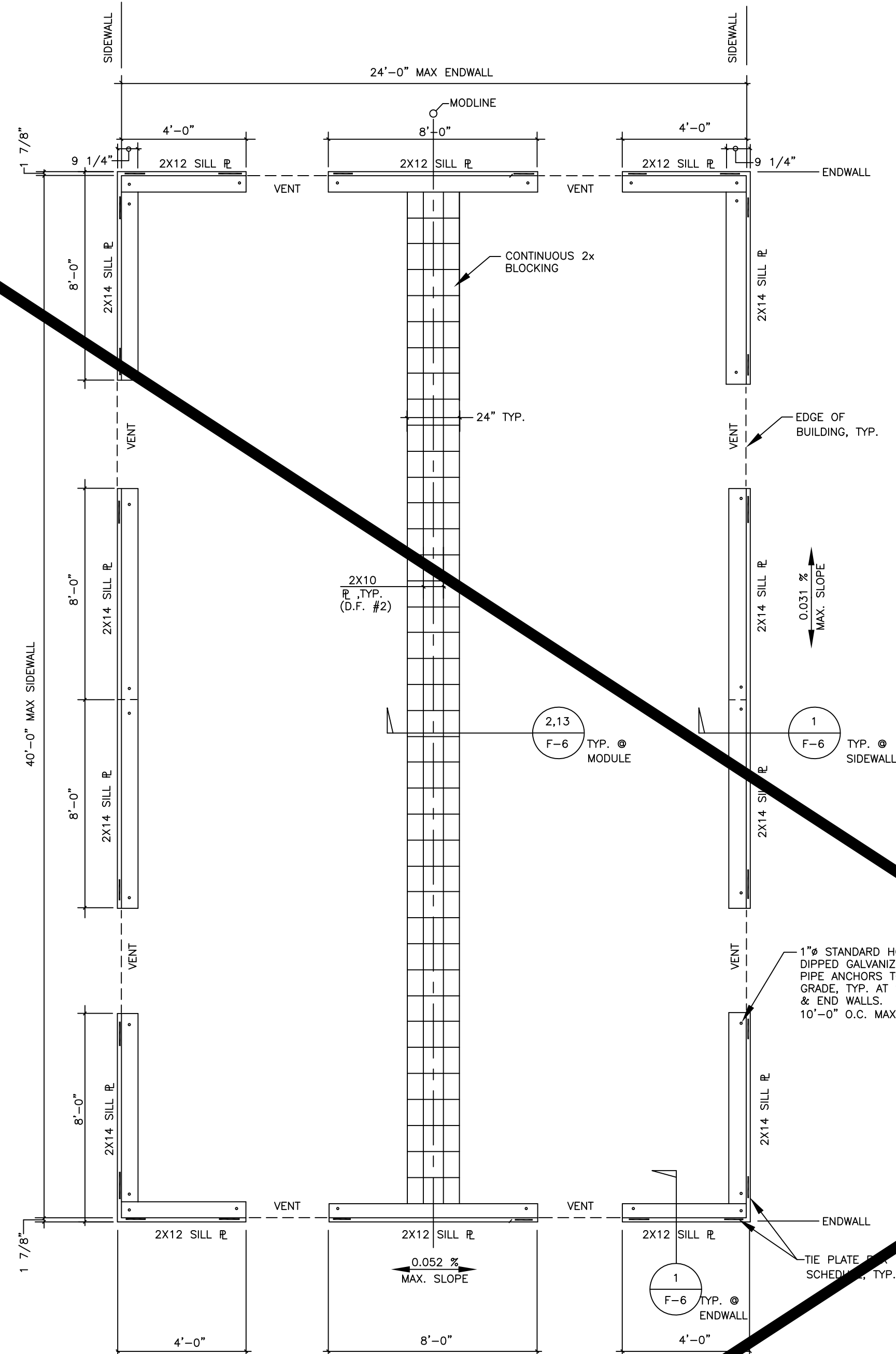
PC 04-119396

FOUNDATION PLANS

DRAWN
CHECKED
DATE
AUG. 15, 2020
SCALE
JOB NO.

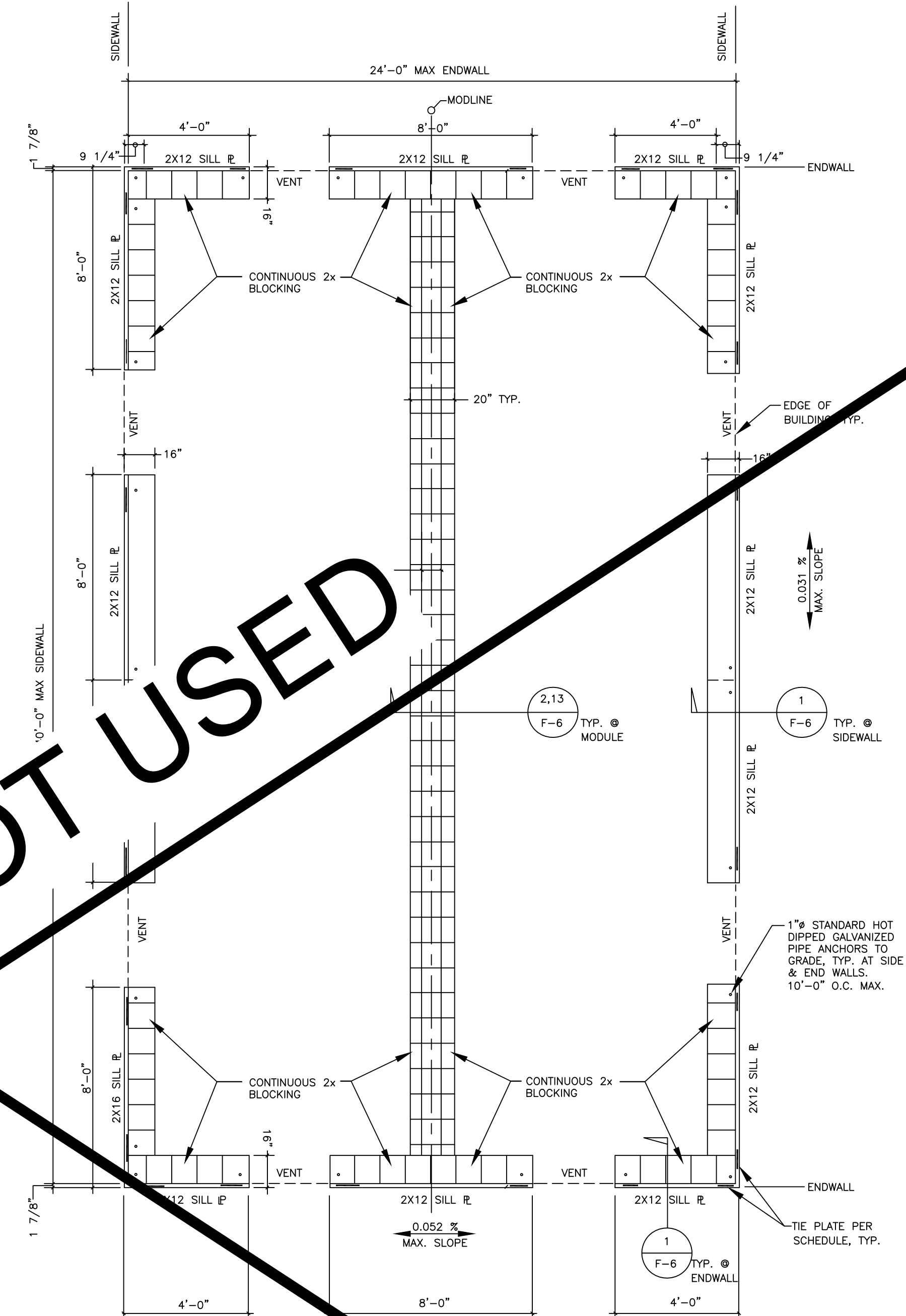
F-3A
OF 19 SHEETS

S_s = 2.183 (MAPPED VALUE)



FOUNDATION PLAN - 100 PSF FLOOR LIVE LOAD

1/4" = 1'-0"



FOUNDATION PLAN - 125 PSF FLOOR LIVE LOAD

NOT USED

NOTES:

- SEE SHEET F-1 FOR GENERAL NOTES.
 - SEE SHEET F-7 FOR TYPICAL NOTES.
 - UNDER FLOOR VENTILATION: (@24'X40' BLDG.)***
REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
 - UNDERFLOOR VENTILATION: (@36'X40' BLDG.)***
REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
 - UNDERFLOOR VENTILATION: (@48'X40' BLDG.)***
REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
 - PROVIDE 2-2X PLATES OR BLOCKS @ 24'X40' BUILDING (MIN. HEIGHT = 3")
PROVIDE 3-2X PLATES OR BLOCKS @ 36' & 48'X40' BUILDINGS (MIN. HEIGHT = 4 1/2")
 - ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16-1.
 - ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d GALV. BOX.
ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d GALV. BOX.
ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
 - UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
 - HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
 - ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.
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TIE PLATE SCHEDULE: (1) (2) (3) 100 PSF S _s = 2.183		
Building Size	PL'S PER ENDWALL	NUMBER OF THE PL'S PER SIDEWALL
24'x40'	4	4
36'x40'	6	6
48'x40'	12	12

TIE PLATE SCHEDULE: (1) (2) (3) 125 PSF S _s = 2.183		
Building Size	NUMBER OF THE PL'S PER ENDWALL	NUMBER OF THE PL'S PER SIDEWALL
24'x40'	7	7
36'x40'	11	11
48'x40'	14	14

TIE PLATE SCHEDULE: (1) (2) (3) 100 PSF S _s = 2.183 AMERICAN MODULAR SYSTEMS, INC.		
Building Size	PL'S PER ENDWALL	NUMBER OF THE PL'S PER SIDEWALL
24'x40'	6	6
36'x40'	7	7
48'x40'	9	9

TIE PLATE SCHEDULE: (1) (2) (3) 125 PSF S _s = 2.183 AMERICAN MODULAR SYSTEMS, INC.		
Building Size	NUMBER OF THE PL'S PER ENDWALL	NUMBER OF THE PL'S PER SIDEWALL
24'x40'	7	7
36'x40'	11	11
48'x40'	14	14

SHOT PIN SCHEDULE: 100 PSF S _s = 2.183 AMERICAN MODULAR SYSTEMS, INC.		
Building Size	PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	19" O.C.	32" O.C.
36'x40'	19" O.C.	21" O.C.
48'x40'	19" O.C.	16" O.C.

SHOT PIN SCHEDULE: 125 PSF S _s = 2.183 AMERICAN MODULAR SYSTEMS, INC.		
Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	11" O.C.	18" O.C.
36'x40'	11" O.C.	2" O.C.
48'x40'	11" O.C.	9" O.C.

SITE SPECIFIC APPROVAL

DSA PC STAMP

APPROVAL - PC ENGINEER OF RECORD

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED



Date Signed: September 24, 2020

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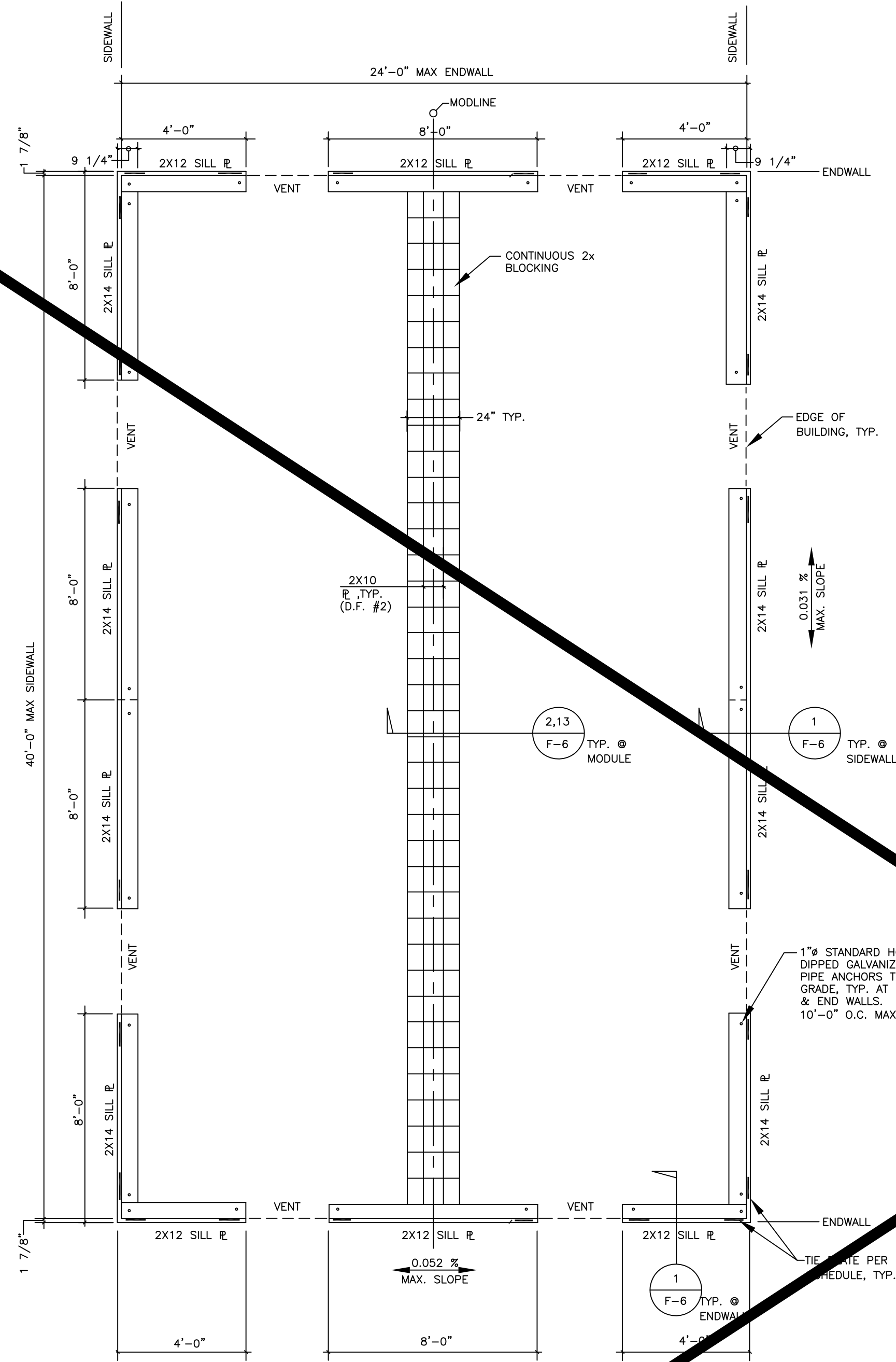
MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119396 PC
REVIEWED FOR
SS FLS ACS CG
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PC 04-119396
FOUNDATION PLANS

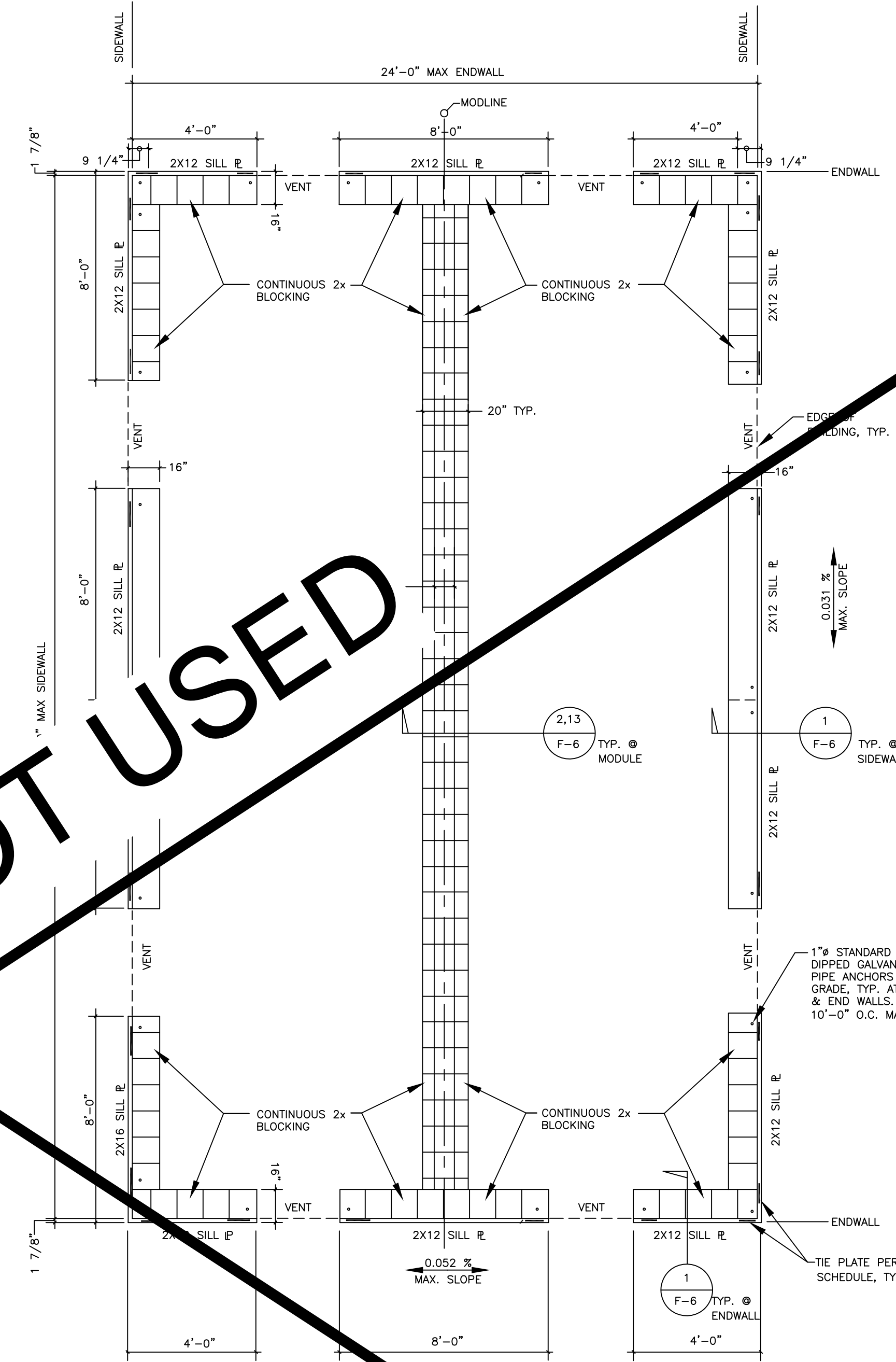
DRAWN
CHECKED
DATE
AUG. 15, 2020
SCALE
JOB NO.
F-3B
OF 19 SHEETS

S_s = 3.08 (MAPPED VALUE)



FOUNDATION PLAN - 100 PSF FLOOR LIVE LOAD

1/4" = 1'-0"



FOUNDATION PLAN - 125 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

NOT USED

NOTES:

1. SEE SHEET F-1 FOR GENERAL NOTES.
 2. SEE SHEET F-7 FOR TYPICAL NOTES.
 3. UNDER FLOOR VENTILATION: (@24'X40' BLDG.)*
REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
 4. UNDERFLOOR VENTILATION: (@36'X40' BLDG.)*
REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
 5. UNDERFLOOR VENTILATION: (@48'X40' BLDG.)*
REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
 6. PROVIDE 2-2X PLATES OR BLOCKS @ 24'X40' BUILDING (MIN. HEIGHT = 3")
PROVIDE 3-2X PLATES OR BLOCKS @ 36' & 48'X40' BUILDINGS (MIN. HEIGHT = 4 1/2")
 7. ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.18
 8. ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 3" GALV. BOX.
ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 3" GALV. BOX.
ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
 9. UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
 10. HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
 11. ALL 2X PLATES ON EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.
- * NOTE: UNDER FLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS. MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

TIE PLATE SCHEDULE: (1) (2) (3)		
100 PSF S _s = 3.08		
Building Size	NUMBER OF TIE PLATES PER ENDWALL	NUMBER OF TIE PLATES PER SIDEWALL
24x40'	6	6
36x40'	9	9
48x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)		
125 PSF S _s = 3.08		
Building Size	NUMBER OF TIE PLATES PER ENDWALL	NUMBER OF TIE PLATES PER SIDEWALL
24x40'	10	10
36x40'	15	15
48x40'	20	20

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)		
100 PSF S _s = 3.08		
Building Size	NUMBER OF TIE PLATES PER ENDWALL	NUMBER OF TIE PLATES PER SIDEWALL
24x40'	6	6
36x40'	9	9
48x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building
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TIE PLATE SCHEDULE: (1) (2) (3)		
125 PSF S _s = 3.08		
Building Size	NUMBER OF TIE PLATES PER ENDWALL	NUMBER OF TIE PLATES PER SIDEWALL
24x40'	10	10
36x40'	15	15
48x40'	20	20

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE:		
100 PSF S _s = 3.08		
Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24x40'	13" O.C.	23" O.C.
36x40'	13" O.C.	15" O.C.
48x40'	13" O.C.	11" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE:		
125 PSF S _s = 3.08		
Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24x40'	8" O.C.	13" O.C.
36x40'	8" O.C.	8" O.C.
48x40'	8" O.C.	6" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SITE SPECIFIC APPROVAL

DSA PC STAMP

APPROVAL - PC ENGINEER OF RECORD

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



Date Signed: September 24, 2020

EXL
STRUCTURAL ENGINEERS, INC.

4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710

MEMBER
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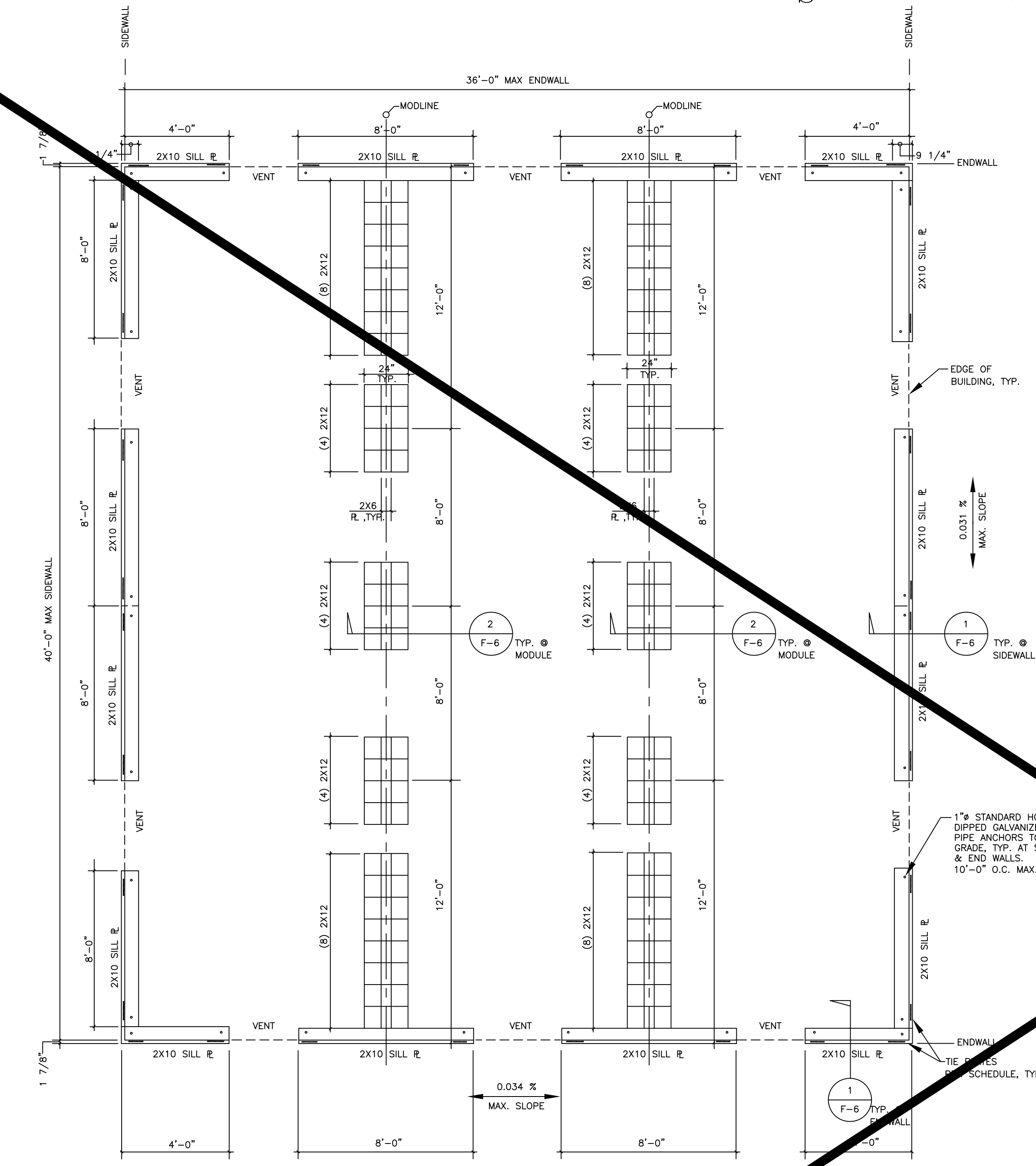
MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119396 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 10/29/2020

PC 04-119396
FOUNDATION PLANS

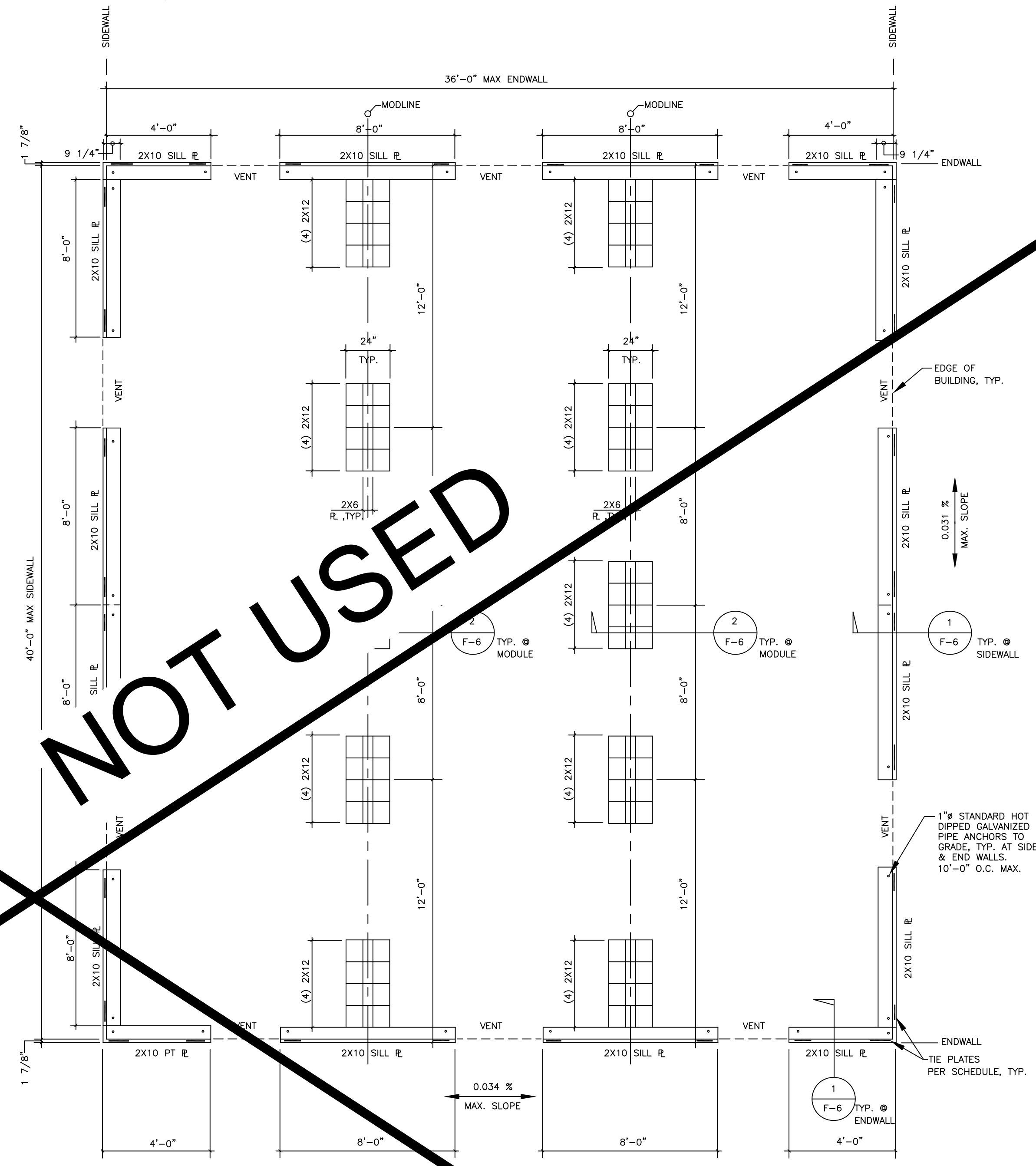
DRAWN
CHECKED
DATE
AUG. 15, 2020
SCALE
JOB NO.
F-3C
OF 19 SHEETS

$S_s = 2.183$ (MAPPED VALUE)



FOUNDATION PLAN - 50 PSF FLOOR LIVE LOAD + 20 PSF PARTITIONS

1/4" = 1'-0"



FOUNDATION PLAN - 50 PSF FLOOR LIVE LOAD

1/4" = 1'-0"


NOTES:

- SEE SHEET F-1 FOR GENERAL NOTES.
- SEE SHEET F-7 FOR TYPICAL NOTES.
- UNDER FLOOR VENTILATION: (@24'x40' BLDG.)*
REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X3.385) = 7.38 SQ. FT. (OK)
- UNDER FLOOR VENTILATION: (@36'x40' BLDG.)*
REQUIRED VENT. AREA = 36'x40'/150 = 9.6 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
- UNDER FLOOR VENTILATION: (@48'x40' BLDG.)*
REQUIRED VENT. AREA = 48'x40'/150 = 12.8 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
- PROVIDE 2-2X PLATES OR BLOCKS @ 24'x40' BUILDING (MIN. HEIGHT = 3")
PROVIDE 3-2X PLATES OR BLOCKS @ 36' & 48'x40' BUILDING (MIN. HEIGHT = 4 1/2")
- ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16
- ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE GALV. BOX.
ALL NAILS FOR PLYWOOD SKIRTING SHALL BE GALV. BOX.
ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
- UNDER FLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDER FLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
- HEIGHT OF BUILT UP STUDIES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
- ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.
- * NOTE: UNDER FLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS. MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

TIE PLATE SCHEDULE: (1) (2) (3) 50 PSF / 50 + 20 PSF $S_s = 2.183$			TIE PLATE SCHEDULE: (1) (2) (3) 50 PSF / 50 + 20 PSF $S_s = 2.183$			SHOT PIN SCHEDULE: 50 PSF / 50 + 20 PSF $S_s = 2.183$		
Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL	Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL	Building Size	NUMBER OF SHOT PINS PER ENDWALL	SHOT PINS PER SIDEWALL
24'x40'	4	4	24'x40'	6	6	24'x40'	19" O.C.	32" O.C.
36'x40'	6	6	36'x40'	7	7	36'x40'	19" O.C.	21" O.C.
48'x40'	12	12	48'x40'	9	9	48'x40'	19" O.C.	16" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE TIE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR
(3) SEE DETAIL 8/F-6 FOR THE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

SITE SPECIFIC APPROVAL	DSA PC STAMP PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	APPROVAL - PC ENGINEER OF RECORD  Date Signed: September 24, 2020
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MEMBER
STRUCTURAL ENGINEERS
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(909) 613-0234
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CHINO, CALIFORNIA 91710

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11450 MISSION BLVD.
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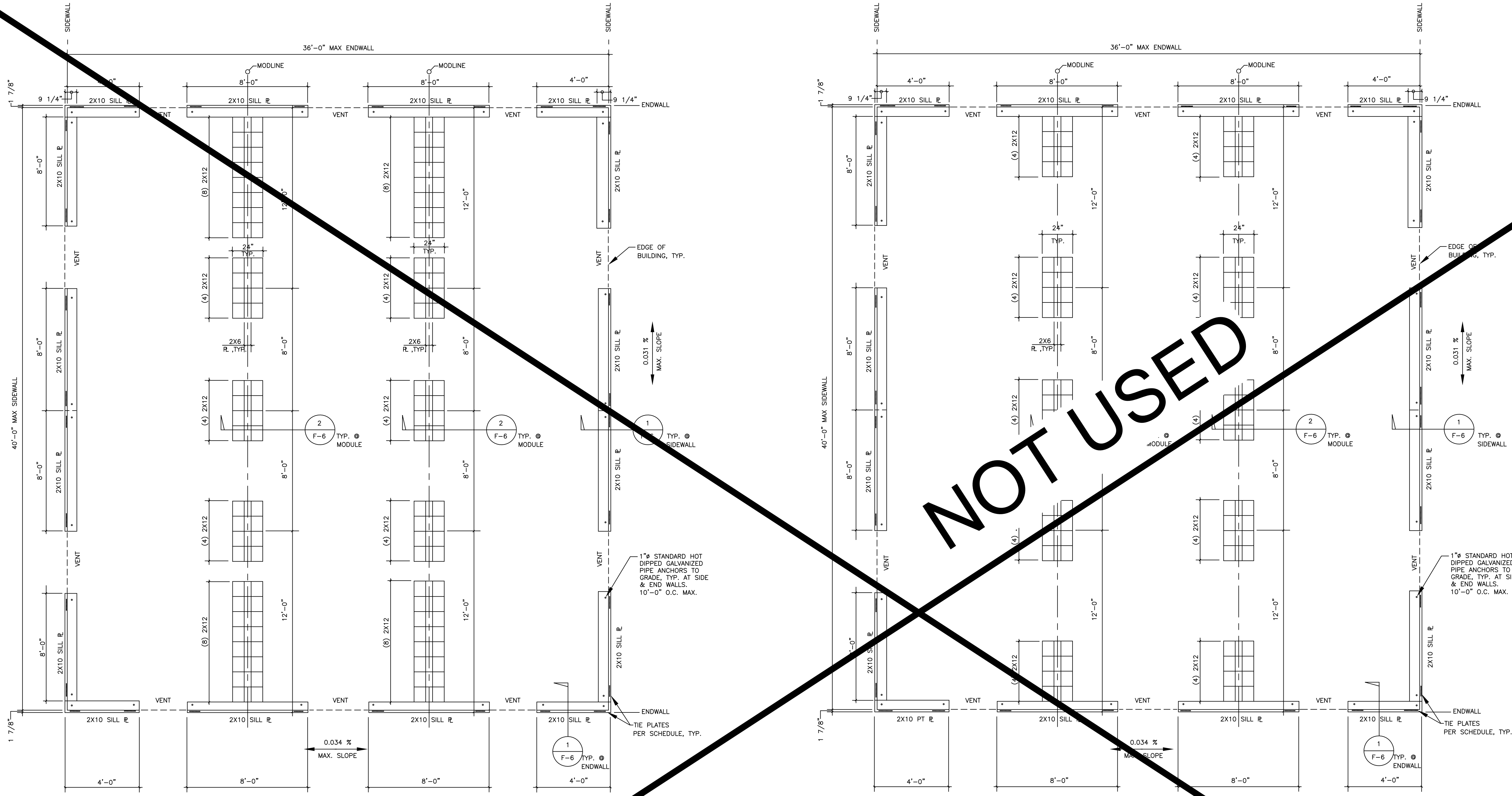
IDENTIFICATION STAMP
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SS FLS ACS CG
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PC 04-119396
FOUNDATION PLANS

DRAWN
CHECKED
DATE
AUG. 15, 2020
SCALE
JOB NO.
F-4
OF 19 SHEETS

$S_s = 3.08$ (MAPPED VALUE)

NOT USED



FOUNDATION PLAN – 50 PSF FLOOR LIVE LOAD + 20 PSF PARTITIONS

FOUNDATION PLAN – 50 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

1/4" = 1'-0"

NOTES:

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MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
- UNDERFLOOR VENTILATION: (@36'X40' BLDG.)***
REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
- UNDERFLOOR VENTILATION: (@48'X40' BLDG.)***
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MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
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- ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d GALV. BOX.
ALL NAILS FOR PROJECT SKIRTING SHALL BE 8d GALV. BOX.
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TIE PLATE SCHEDULE: (1) (2) (3) 50 PSF / 50 + 20 PSF $S_s = 3.08$		
Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	6	6
36'x40'	9	9
48'x40'	12	12

TIE PLATE SCHEDULE: (1) (2) (3) 50 PSF / 50 + 20 PSF $S_s = 3.08$		
Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	6	6
36'x40'	9	9
48'x40'	12	12

SHOT PIN SCHEDULE: 50 PSF / 50 + 20 PSF $S_s = 3.08$		
Building Size	NUMBER OF SHOT PINS PER ENDWALL	SHOT PINS PER SIDEWALL
24'x40'	13" O.C.	23" O.C.
36'x40'	13" O.C.	15" O.C.
48'x40'	13" O.C.	11" O.C.

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE TIE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR
(3) SEE DETAIL 8/F-6 FOR TIE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SITE SPECIFIC APPROVAL

DSA PC STAMP

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVAL – PC ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER
ANNE T. SIMON
No. 3602
STRUCTURAL
STATE OF CALIFORNIA

Date Signed: September 24, 2020

EXL
STRUCTURAL ENGINEERS, INC.

4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710

MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE

(909) 613-0234
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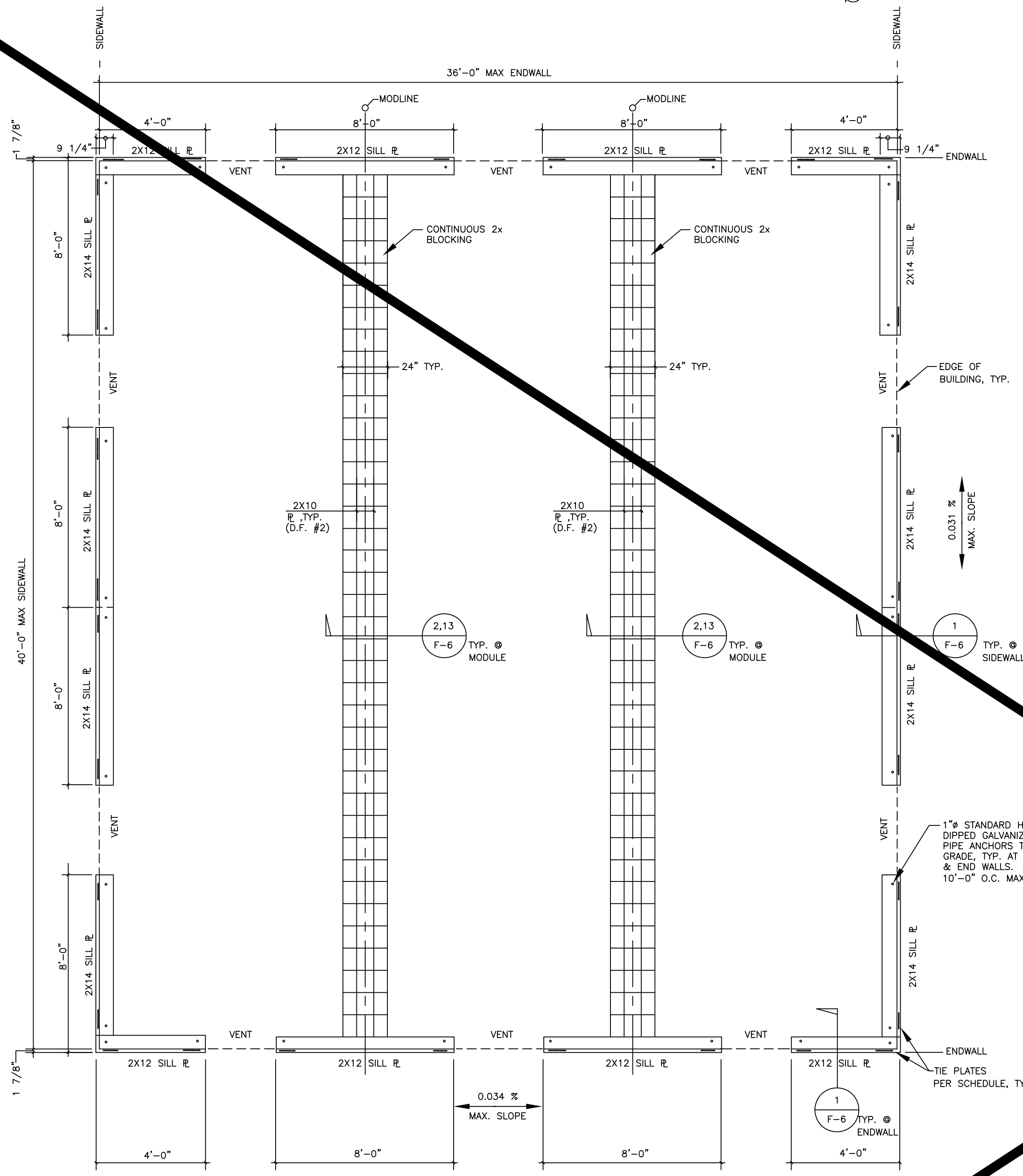
MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119396 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 10/29/2020

PC 04-119396
FOUNDATION PLANS

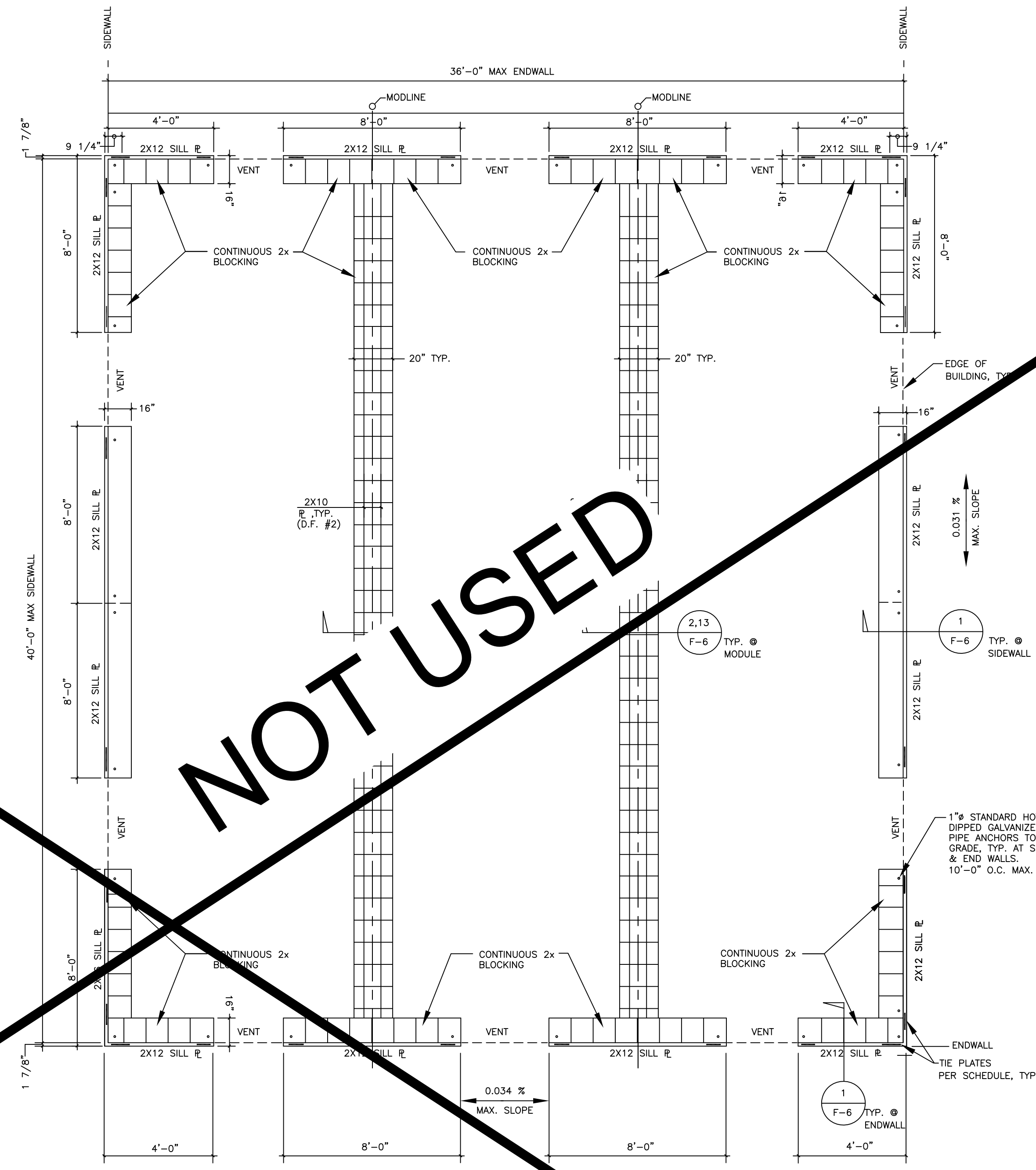
DRAWN
CHECKED
DATE
AUG. 15, 2020
SCALE
JOB NO.
F-4A
OF 19 SHEETS

$S_s = 2.183$ (MAPPED VALUE)



FOUNDATION PLAN – 100 PSF FLOOR LIVE LOAD

1/4" = 1'-0"



FOUNDATION PLAN – 125 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

NOT USED

NOTES:

- SEE SHEET F-1 FOR GENERAL NOTES.
 - SEE SHEET F-7 FOR TYPICAL NOTES.
 - UNDER FLOOR VENTILATION: (@24'X40' BLDG.)***
REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
 - UNDER FLOOR VENTILATION: (@36'X40' BLDG.)***
REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
 - UNDER FLOOR VENTILATION: (@48'X40' BLDG.)***
REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
 - PROVIDE 2-2X PLATES OR BLOCKS @ 24'X40' BUILDING (MIN. HEIGHT = 3")
PROVIDE 3-2X PLATES OR BLOCKS @ 36' & 48'X40' BUILDINGS (MIN. HEIGHT = 4 1/2")
 - ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16-1.
 - ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d GALV. BOX.
ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d GALV. BOX.
ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
 - UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
 - HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
 - ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.
- * NOTE: UNDER FLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS. MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

Building Size	TIE PLATE SCHEDULE: (1) (2) (3) 100 PSF $S_s = 2.183$	
	PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	4	4
36'x40'	6	6
48'x40'	9	9

Building Size	TIE PLATE SCHEDULE: (1) (2) (3) 125 PSF $S_s = 2.183$	
	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	7	7
36'x40'	11	11
48'x40'	14	14

Building Size	TIE PLATE SCHEDULE: (1) (2) (3) 100 PSF $S_s = 2.183$ AMERICAN MODULAR SYSTEMS, INC.	
	PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	6	6
36'x40'	7	7
48'x40'	9	9

Building Size	TIE PLATE SCHEDULE: (1) (2) (3) 125 PSF $S_s = 2.183$ AMERICAN MODULAR SYSTEMS, INC.	
	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	7	7
36'x40'	11	11
48'x40'	14	14

Building Size	SHOT PIN SCHEDULE: 100 PSF $S_s = 2.183$ AMERICAN MODULAR SYSTEMS, INC.	
	PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	19" O.C.	32" O.C.
36'x40'	19" O.C.	21" O.C.
48'x40'	19" O.C.	16" O.C.

Building Size	SHOT PIN SCHEDULE: 125 PSF $S_s = 2.183$ AMERICAN MODULAR SYSTEMS, INC.	
	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	11" O.C.	18" O.C.
36'x40'	11" O.C.	12" O.C.
48'x40'	11" O.C.	9" O.C.

SITE SPECIFIC APPROVAL

DSA PC STAMP

APPROVAL – PC ENGINEER OF RECORD

PRE-CHECK (PC) DOCUMENT
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A SEPARATE PROJECT APPLICATION
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Date Signed: September 24, 2020

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STRUCTURAL ENGINEERS, INC.

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CHINO, CALIFORNIA 91710

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11450 MISSION BLVD.
MIRA LOMA, CA 91752

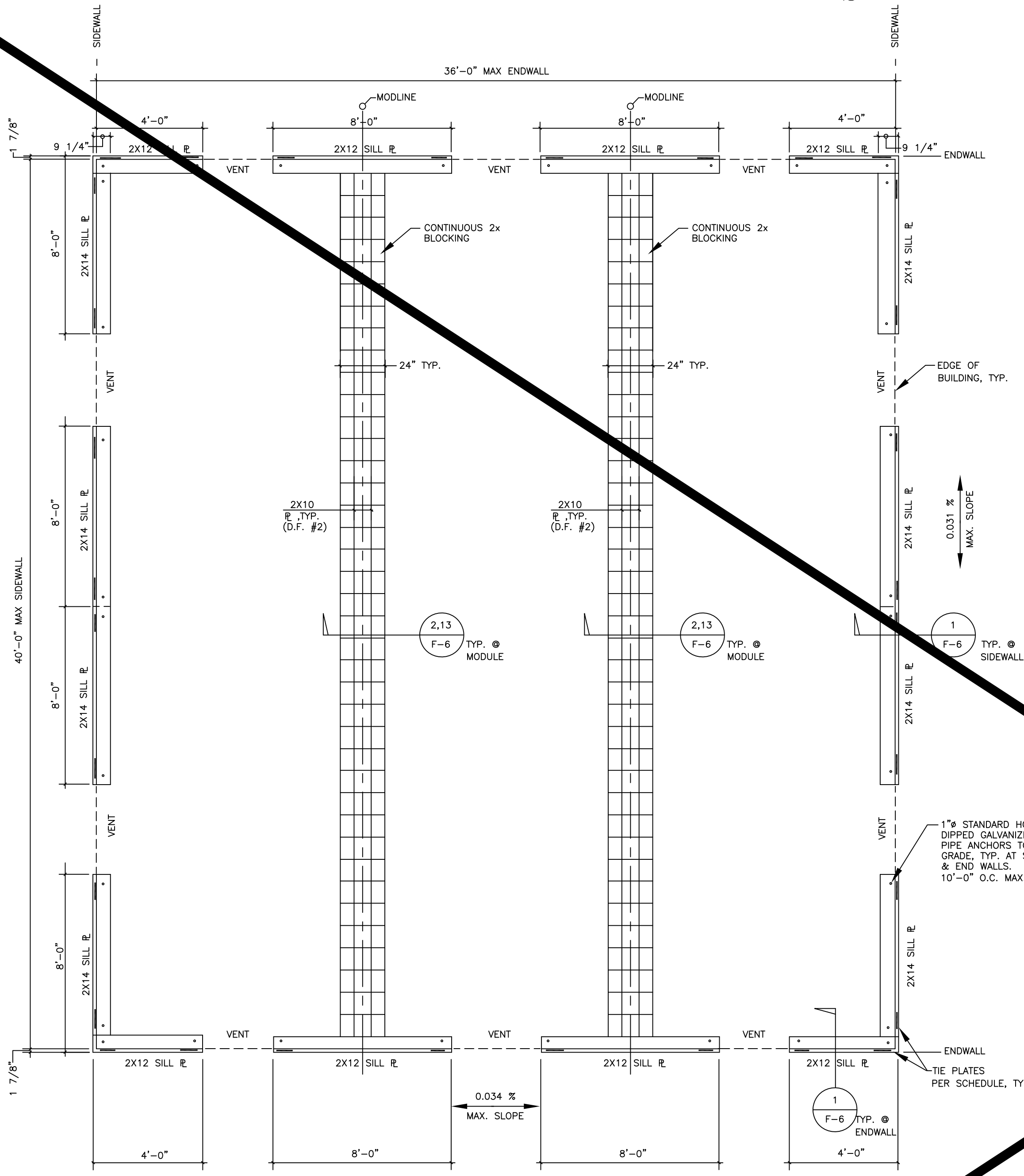
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PC 04-119396

FOUNDATION PLANS

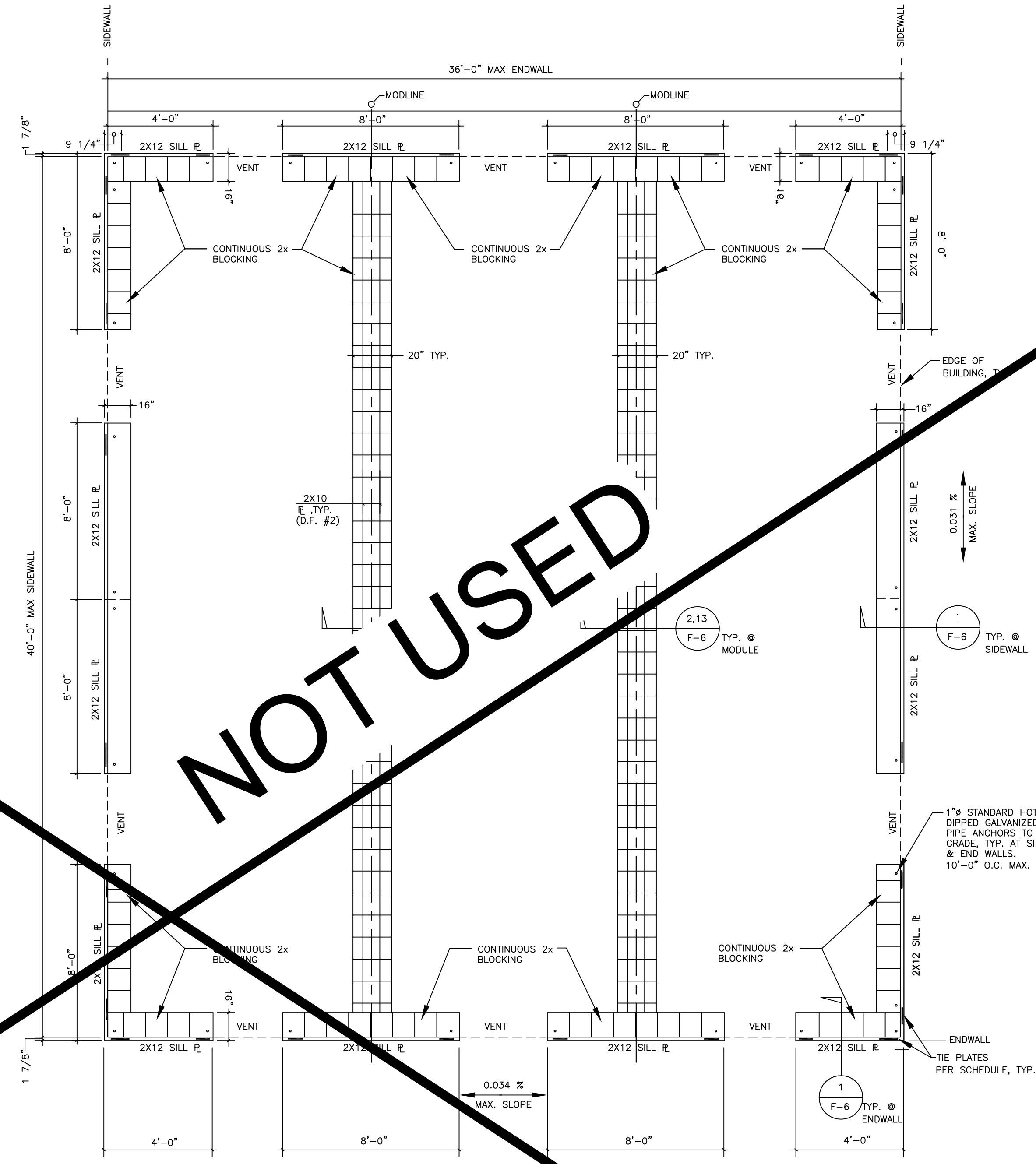
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DATE
AUG. 15, 2020
SCALE
JOB NO.
F-4B
OF 19 SHEET

$S_s = 3.08$ (MAPPED VALUE)



FOUNDATION PLAN - 100 PSF FLOOR LIVE LOAD

1/4" = 1'-0"



FOUNDATION PLAN - 125 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

NOTES:

- SEE SHEET F-1 FOR GENERAL NOTES.
- SEE SHEET F-7 FOR TYPICAL NOTES.
- UNDER FLOOR VENTILATION: (@24'x40' BLDG.)*
REQUIRED VENT. AREA = $24' \times 40' / 150 = 6.4$ SQ. FT.
MIN. VENT. AREA PROVIDED = $0.25' \times (4 \times 4 + 4 \times 3.385) = 7.38$ SQ. FT. (OK)
- UNDER FLOOR VENTILATION: (@36'x40' BLDG.)*
REQUIRED VENT. AREA = $36' \times 40' / 150 = 9.6$ SQ. FT.
MIN. VENT. AREA PROVIDED = $0.375' \times (6 \times 4 + 4 \times 3.387) = 14.08$ SQ. FT. (OK)
- UNDER FLOOR VENTILATION: (@48'x40' BLDG.)*
REQUIRED VENT. AREA = $48' \times 40' / 150 = 12.8$ SQ. FT.
MIN. VENT. AREA PROVIDED = $0.375' \times (8 \times 4 + 4 \times 3.385) = 17.08$ SQ. FT. (OK)
- PROVIDE 2-2X PLATES OR BLOCKS @ 24'x40' BUILDING (MIN. HEIGHT = 3')
PROVIDE 3-2X PLATES OR BLOCKS @ 36' & 48'x40' BUILDINGS (MIN. HEIGHT = 4 1/2")
- ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16-1.
- ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d GALV. BOX.
ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d GALV. BOX.
ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
- UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
- HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
- ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.
- NOTE: UNDER FLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS.
MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

TIE PLATE SCHEDULE: (1) (2) (3)			
$S_s = 3.08$			
Building Size	NUMBER OF TIE PLATES PER ENDWALL	NUMBER OF TIE PLATES PER SIDEWALL	
24'x40'	6	6	
36'x40'	9	9	
48'x40'	12	12	

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE THE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR SYSTEMS.
(3) SEE DETAIL 8/F-6 FOR THE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

TIE PLATE SCHEDULE: (1) (2) (3)			
$S_s = 3.08$			
Building Size	NUMBER OF TIE PLATES PER ENDWALL	NUMBER OF TIE PLATES PER SIDEWALL	
24'x40'	10	10	
36'x40'	15	15	
48'x40'	20	20	

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE THE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR SYSTEMS.
(3) SEE DETAIL 8/F-6 FOR THE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

TIE PLATE SCHEDULE: (1) (2) (3)			
100 PSF			
$S_s = 3.08$			
Building Size	NUMBER OF TIE PLATES PER ENDWALL	NUMBER OF TIE PLATES PER SIDEWALL	
24'x40'	6	6	
36'x40'	9	9	
48'x40'	12	12	

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE THE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR SYSTEMS.
(3) SEE DETAIL 8/F-6 FOR THE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

TIE PLATE SCHEDULE: (1) (2) (3)			
125 PSF			
$S_s = 3.08$			
Building Size	NUMBER OF TIE PLATES PER ENDWALL	NUMBER OF TIE PLATES PER SIDEWALL	
24'x40'	10	10	
36'x40'	15	15	
48'x40'	20	20	

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE THE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR SYSTEMS.
(3) SEE DETAIL 8/F-6 FOR THE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

SHOT PIN SCHEDULE:			
100 PSF			
$S_s = 3.08$			
Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL	
24'x40'	13" O.C.	23" O.C.	
36'x40'	13" O.C.	15" O.C.	
48'x40'	13" O.C.	11" O.C.	

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE THE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR SYSTEMS.
(3) SEE DETAIL 8/F-6 FOR THE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

SHOT PIN SCHEDULE:			
125 PSF			
$S_s = 3.08$			
Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL	
24'x40'	8" O.C.	13" O.C.	
36'x40'	8" O.C.	8" O.C.	
48'x40'	8" O.C.	6" O.C.	

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE THE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR SYSTEMS.
(3) SEE DETAIL 8/F-6 FOR THE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

SITE SPECIFIC APPROVAL

DSA PC STAMP

APPROVAL - PC ENGINEER OF RECORD

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED



Date Signed: September 24, 2020

EXL
STRUCTURAL ENGINEERS, INC.

4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710

MEMBER
STRUCTURAL ENGINEERS
ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE
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11450 MISSION BLVD.
MIRA LOMA, CA 91752

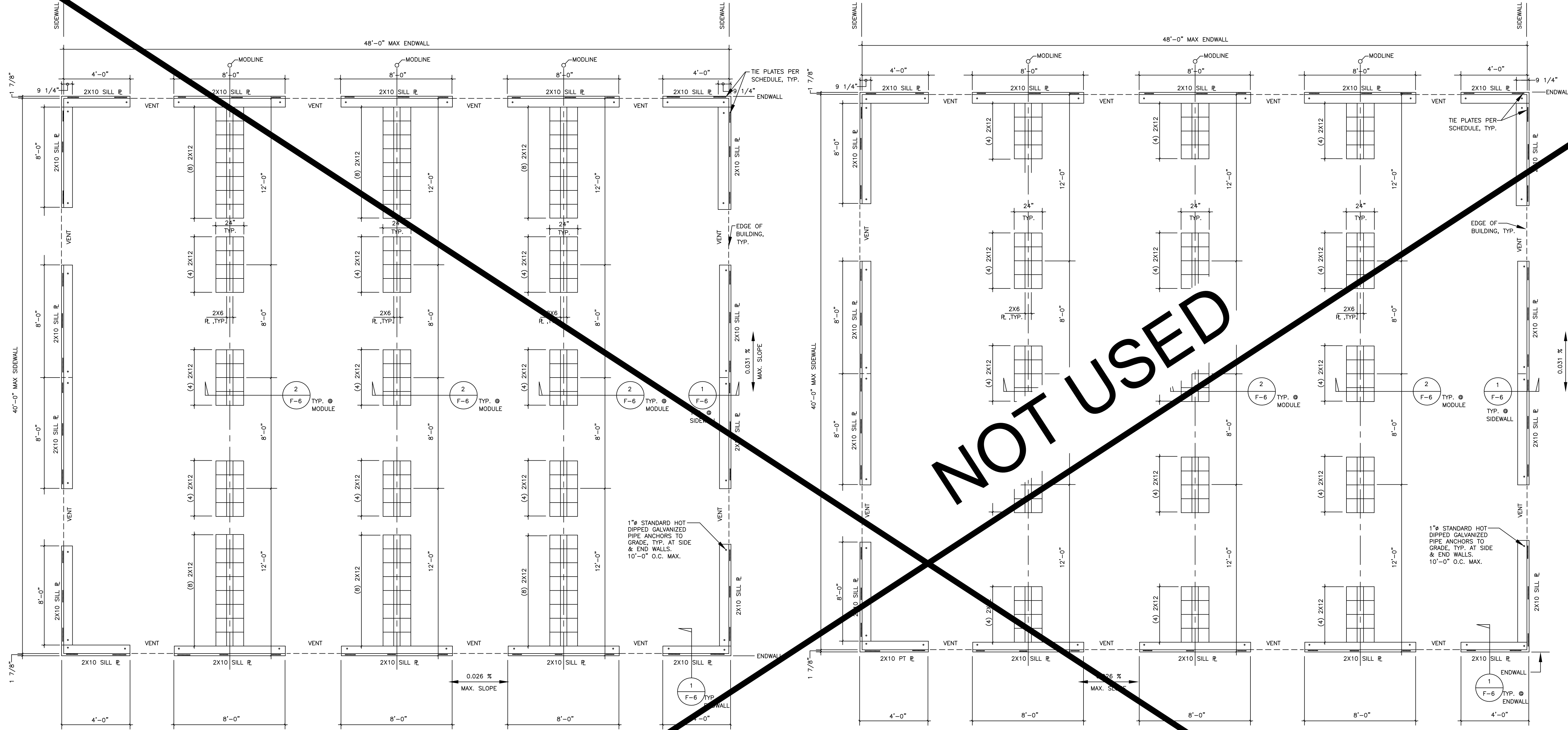
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PC 04-119396

FOUNDATION PLANS

DRAWN
CHECKED
DATE
AUG. 15, 2020
SCALE
JOB NO.
F-4C
OF 19 SHEETS

S_s = 2.183 (MAPPED VALUE)



NOT USED

FOUNDATION PLAN - 50 PSF FLOOR LIVE LOAD + 20 PSF PARTITIONS

FOUNDATION PLAN - 50 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

1/4" = 1'-0"

NOTES:

- SEE SHEET F-1 FOR GENERAL NOTES.
 - SEE SHEET F-7 FOR TYPICAL NOTES.
 - REQUIRED FLOOR VENTILATION: (@24'x40' BLDG.)*
REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
 - UNDERFLOOR VENTILATION: (@36'x40' BLDG.)*
REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
 - UNDERFLOOR VENTILATION: (@48'x40' BLDG.)*
REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
 - PROVIDE 2-2X PLATES OR BLOCKS @ 24'x40' BUILDING (MIN. HEIGHT = 4')
PROVIDE 3-2X PLATES OR BLOCKS @ 36' & 48'x40' BUILDINGS (MIN. HEIGHT = 4 1/2")
 - ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16-1.
 - ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d GALV. BOX.
ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d GALV. BOX.
ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
 - UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
 - HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
 - ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.
- * NOTE: UNDERFLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS.
CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS.
MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

TIE PLATE SCHEDULE: (1) (2) (3) 50 PSF / 50 + 20 PSF S _s = 2.183			
Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL	
24'x40'	4	4	
36'x40'	6	6	
48'x40'	12	12	

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3) 50 PSF / 50 + 20 PSF S _s = 2.183			
Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL	
24'x40'	6	6	
36'x40'	7	7	
48'x40'	9	9	

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE: 50 PSF / 50 + 20 PSF S _s = 2.183			
Building Size	NUMBER OF SHOT PINS PER ENDWALL	SHOT PINS PER SIDEWALL	
24'x40'	19" O.C.	32" O.C.	
36'x40'	19" O.C.	21" O.C.	
48'x40'	19" O.C.	16" O.C.	

*End Wall is the 24', 36' or 48' Long Wall of the Building
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SITE SPECIFIC APPROVAL

DSA PC STAMP

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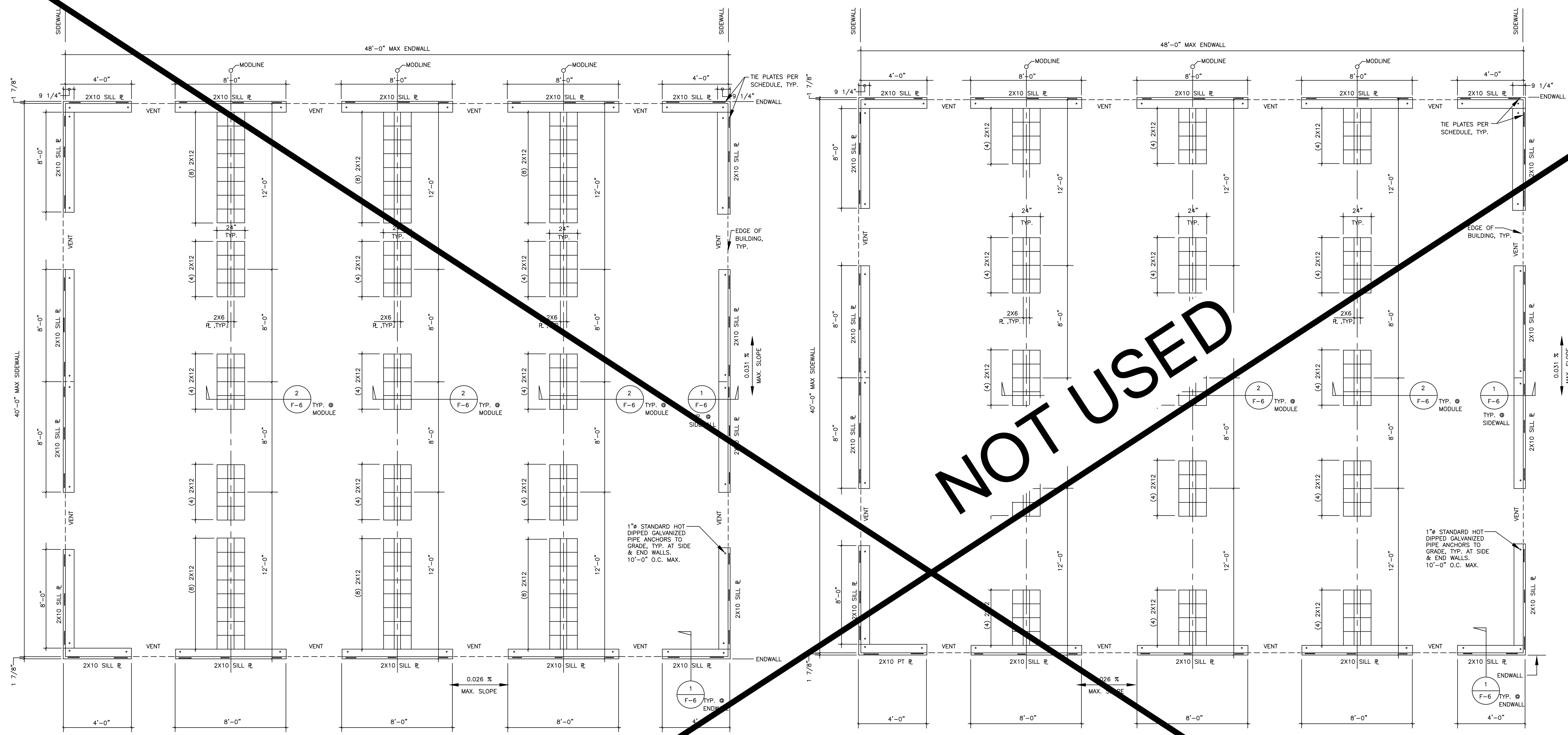
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PC 04-119396
FOUNDATION PLANS

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CHECKED
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AUG. 15, 2020
SCALE
JOB NO.
F-5
OF 19 SHEETS

$S_s = 3.08$ (MAPPED VALUE)



FOUNDATION PLAN - 50 PSF FLOOR LIVE LOAD + 20 PSF PARTITIONS

FOUNDATION PLAN - 50 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

1/4" = 1'-0"

NOTES:

- SEE SHEET F-1 FOR GENERAL NOTES.
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- UNDER FLOOR VENTILATION: (@24'X40' BLDG.)*
REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
- UNDERFLOOR VENTILATION: (@36'X40' BLDG.)*
REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
- UNDERFLOOR VENTILATION: (@48'X40' BLDG.)*
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- UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
- HEIGHT OF BUILT UP PLATE WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
- ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.
- NOTE: UNDER FLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS. MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

TIE PLATE SCHEDULE: (1) (2) (3) 50 PSF / 50 + 20 PSF $S_s = 3.08$		
Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'X40'	6	6
36'X40'	9	9
48'X40'	12	12

TIE PLATE SCHEDULE: (1) (2) (3) 50 PSF / 50 + 20 PSF $S_s = 3.08$		
Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
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36'X40'	9	9
48'X40'	12	12

SHOT PIN SCHEDULE: 50 PSF / 50 + 20 PSF $S_s = 3.08$		
Building Size	NUMBER OF SHOT PINS PER ENDWALL	SHOT PINS PER SIDEWALL
24'X40'	13" O.C.	23" O.C.
36'X40'	13" O.C.	15" O.C.
48'X40'	13" O.C.	11" O.C.

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE TIE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR
(3) SEE DETAIL 8/F-6 FOR TIE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SITE SPECIFIC APPROVAL

DSA PC STAMP

APPROVAL - PC ENGINEER OF RECORD

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



Date Signed: September 24, 2020

EXL
STRUCTURAL ENGINEERS, INC.

4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710

MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0238

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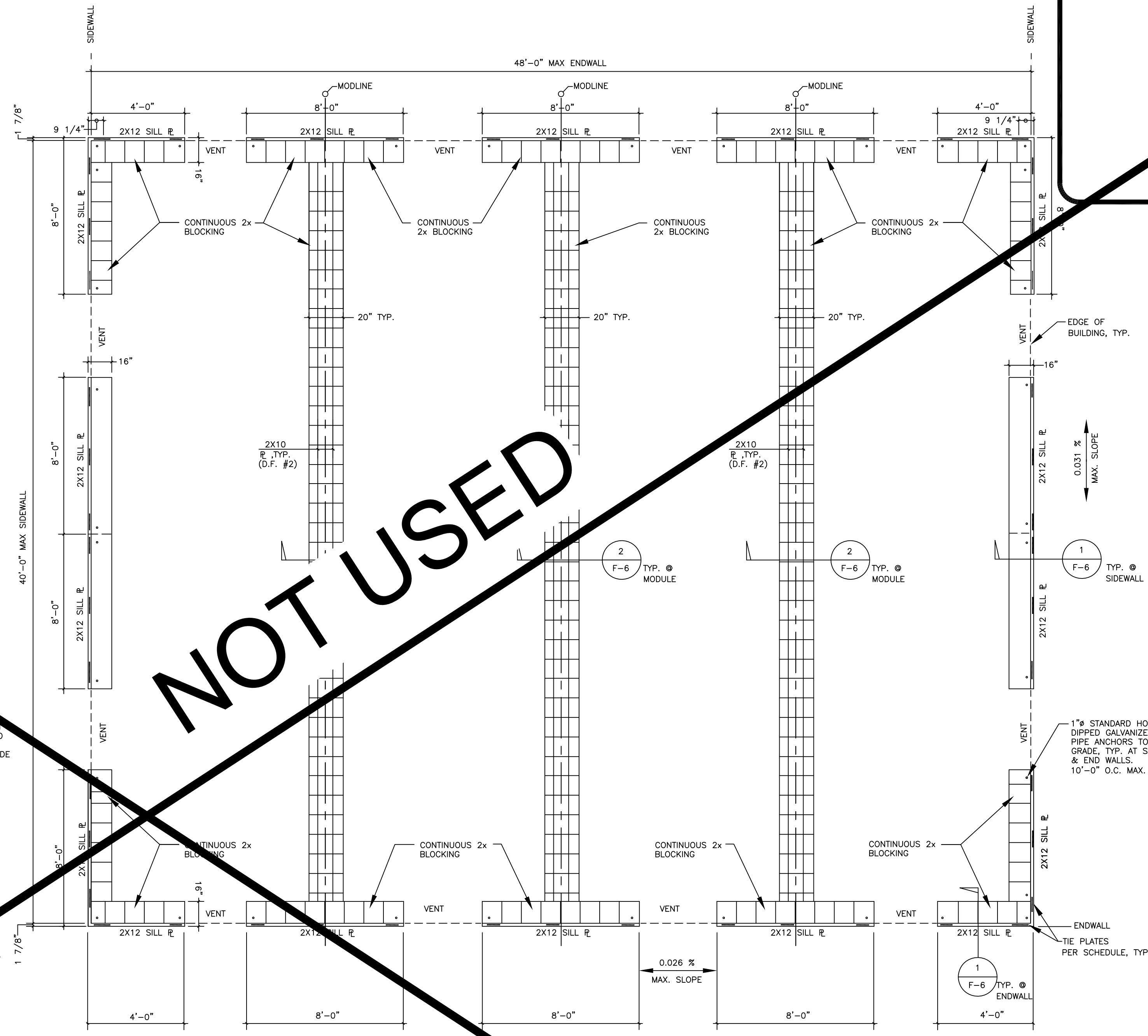
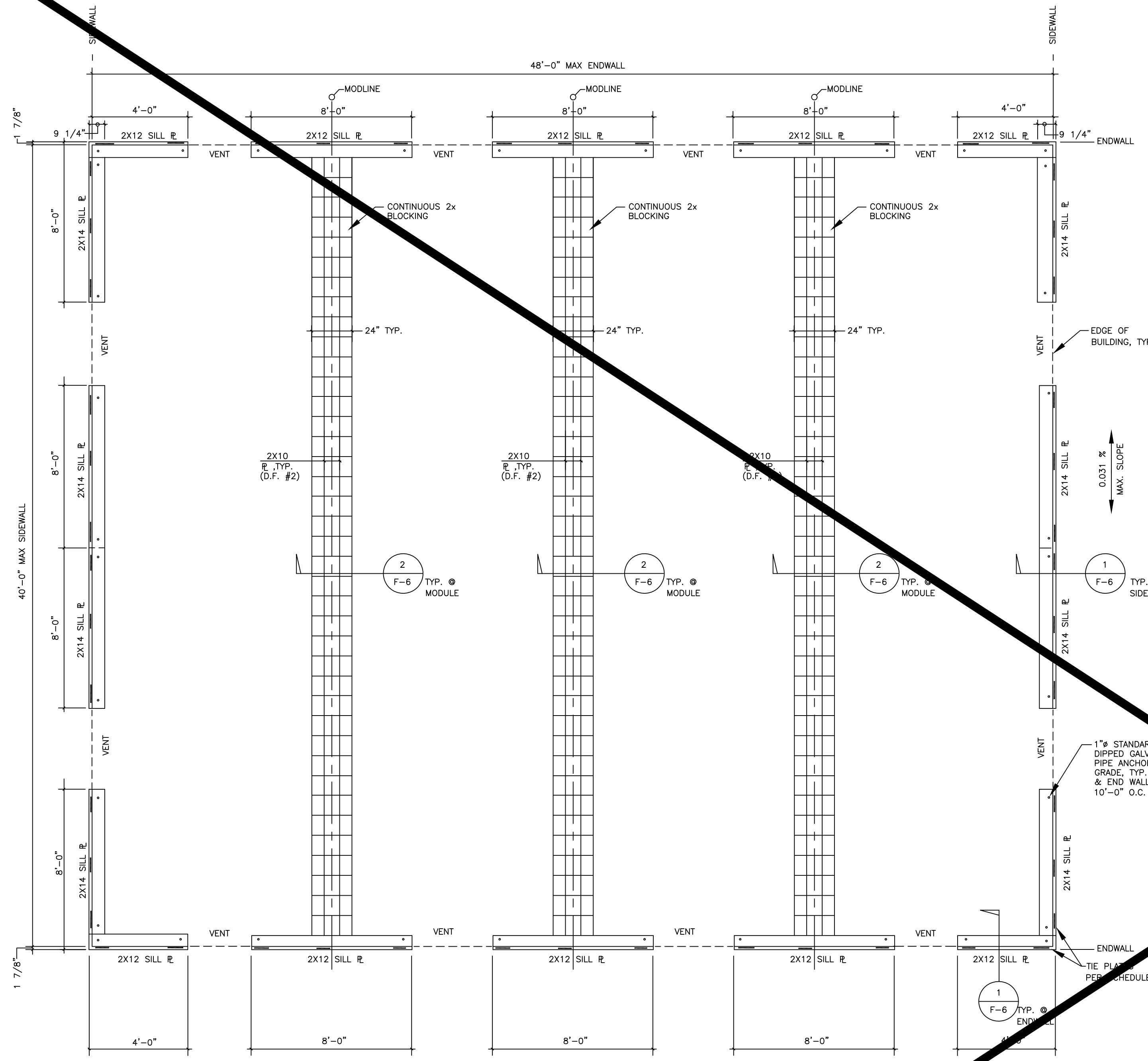
MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119396 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 10/29/2020

PC 04-119396
FOUNDATION PLANS

DRAWN
CHECKED
DATE
AUG. 15, 2020
SCALE
JOB NO.
F-5A
OF 19 SHEETS

$S_s = 2.183$ (MAPPED VALUE)



FOUNDATION PLAN - 100 PSF FLOOR LIVE LOAD

FOUNDATION PLAN - 125 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

1/4" = 1'-0"

NOTES:

- SEE SHEET F-1 FOR GENERAL NOTES.
- SEE SHEET F-7 FOR TYPICAL NOTES.
- UNDER FLOOR VENTILATION: (@24'x40' BLDG.)*
REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
- UNDER FLOOR VENTILATION: (@36'x40' BLDG.)*
REQUIRED VENT. AREA = 36'x40'/150 = 9.6 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
- UNDER FLOOR VENTILATION: (@48'x40' BLDG.)*
REQUIRED VENT. AREA = 48'x40'/150 = 12.8 SQ. FT.
MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
- PROVIDE 2-2X PLATES OR BLOCKS @ 24'x40' BUILDING (MIN. HEIGHT = 3")
PROVIDE 3-2X PLATES OR BLOCKS @ 36' & 48'x40' BUILDINGS (MIN. HEIGHT = 4 1/2")
- ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16-1.
- ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d OR 20d. BOX.
ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d OR 16d. BOX.
ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
- UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
- HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
- ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.
- NOTE: UNDER FLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS. MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

TIE PLATE SCHEDULE: (1) (2) (3) 100 PSF $S_s = 2.183$		
Building Size	PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	4	4
36'x40'	6	6
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3) 125 PSF $S_s = 2.183$		
Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	7	7
36'x40'	11	11
48'x40'	14	14

*End Wall is the 24', 36' or 48' Long Wall of the Building
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TIE PLATE SCHEDULE: (1) (2) (3) 100 PSF $S_s = 2.183$ AMERICAN MODULAR SYSTEMS, INC.		
Building Size	PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	6	6
36'x40'	7	7
48'x40'	9	9

*End Wall is the 24', 36' or 48' Long Wall of the Building
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48'x40'	14	14

*End Wall is the 24', 36' or 48' Long Wall of the Building
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SHOT PIN SCHEDULE: 100 PSF $S_s = 2.183$ AMERICAN MODULAR SYSTEMS, INC.		
Building Size	PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	19" O.C.	32" O.C.
36'x40'	19" O.C.	21" O.C.
48'x40'	19" O.C.	16" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
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SHOT PIN SCHEDULE: 125 PSF $S_s = 2.183$ AMERICAN MODULAR SYSTEMS, INC.		
Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	11" O.C.	18" O.C.
36'x40'	11" O.C.	12" O.C.
48'x40'	11" O.C.	9" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
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(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE TIE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR
(3) SEE DETAIL 8/F-6 FOR TIE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

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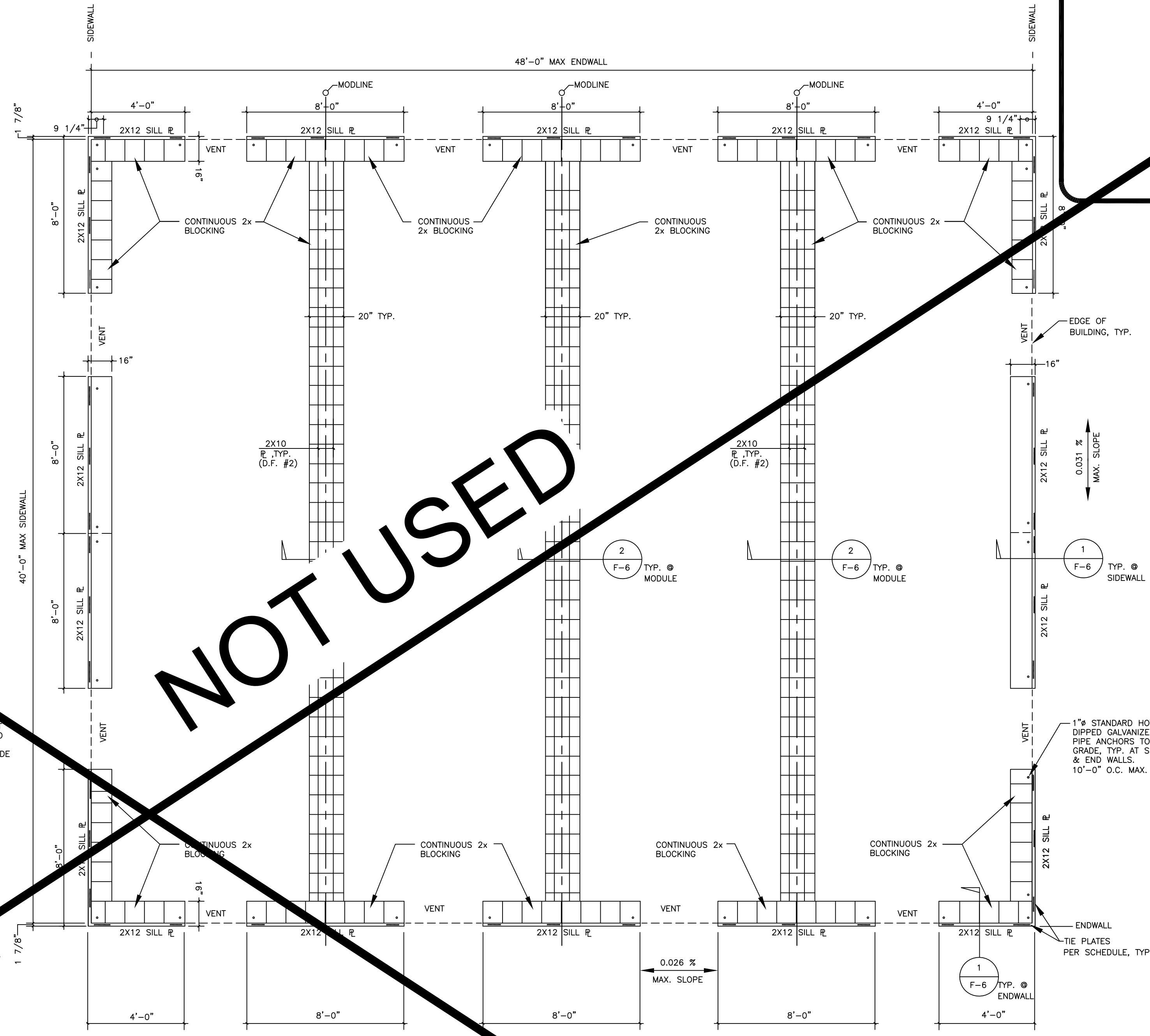
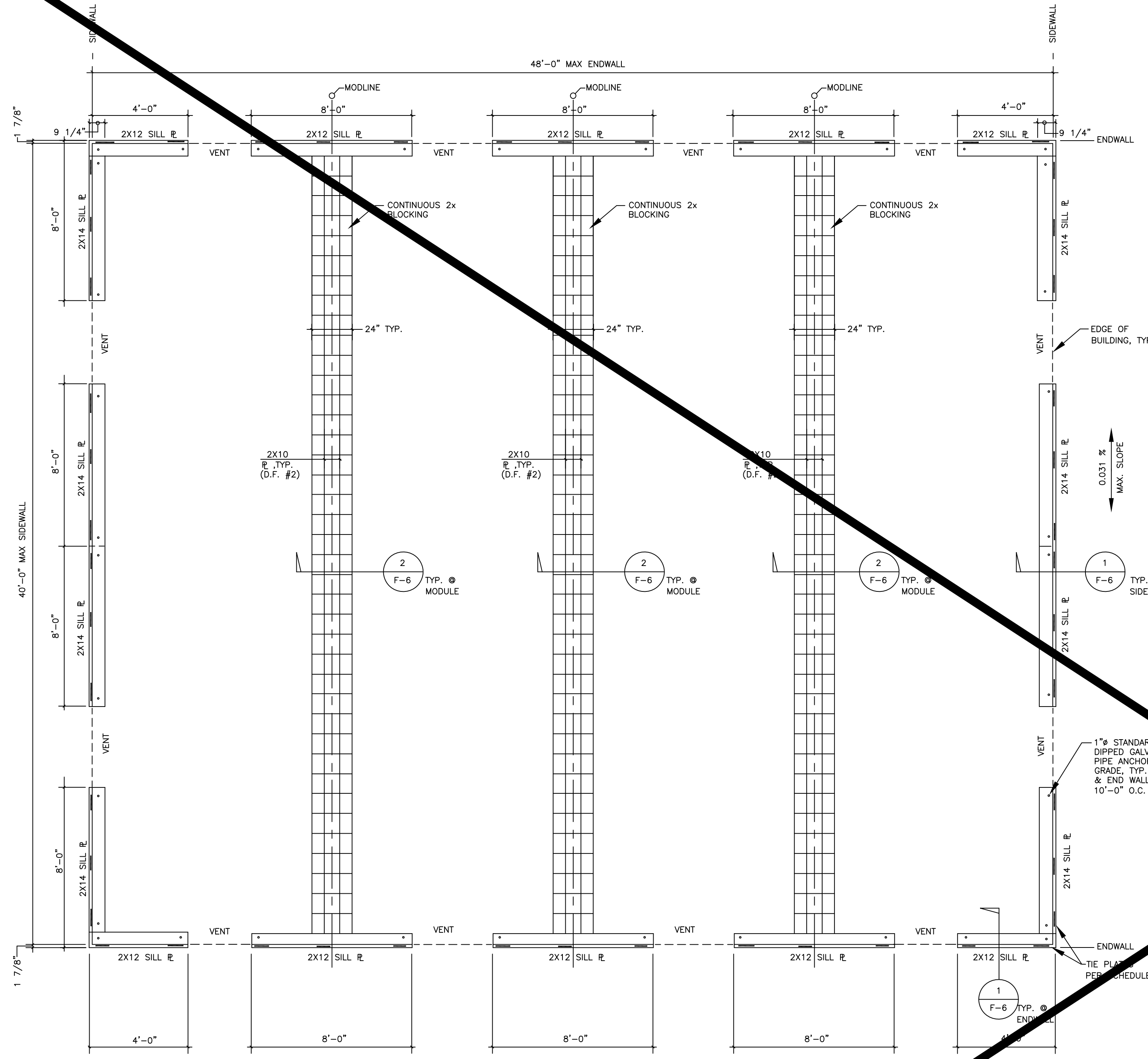
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11450 MISSION BLVD.
MIRA LOMA, CA 91752

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APP: 04-119396 PC
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PC 04-119396
FOUNDATION PLANS

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CHECKED
DATE
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F-5B
OF 19 SHEETS

S_S = 3.08 (MAPPED VALUE)



NOT USED

NOTES:

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- SEE SHEET F-7 FOR TYPICAL NOTES.
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- UNDER FLOOR VENTILATION: (@36'X40' BLDG.)*
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TIE PLATE SCHEDULE: (1) (2) (3)			
100 PSF			
S _S = 3.08			
Building Size	NUMBER OF TIE PLATES PER ENDWALL	NUMBER OF TIE PLATES PER SIDEWALL	
24'x40'	6	6	
36'x40'	9	9	
48'x40'	12	12	

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)			
125 PSF			
S _S = 3.08			
Building Size	NUMBER OF TIE PLATES PER ENDWALL	NUMBER OF TIE PLATES PER SIDEWALL	
24'x40'	10	10	
36'x40'	15	15	
48'x40'	20	20	

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)			
100 PSF			
S _S = 3.08			
Building Size	NUMBER OF TIE PLATES PER ENDWALL	NUMBER OF TIE PLATES PER SIDEWALL	
24'x40'	6	6	
36'x40'	9	9	
48'x40'	12	12	

*End Wall is the 24', 36' or 48' Long Wall of the Building
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TIE PLATE SCHEDULE: (1) (2) (3)			
125 PSF			
S _S = 3.08			
Building Size	NUMBER OF TIE PLATES PER ENDWALL	NUMBER OF TIE PLATES PER SIDEWALL	
24'x40'	10	10	
36'x40'	15	15	
48'x40'	20	20	

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE:			
100 PSF			
S _S = 3.08			
Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL	
24'x40'	13" O.C.	23" O.C.	
36'x40'	13" O.C.	15" O.C.	
48'x40'	13" O.C.	11" O.C.	

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE:			
125 PSF			
S _S = 3.08			
Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL	
24'x40'	8" O.C.	13" O.C.	
36'x40'	8" O.C.	8" O.C.	
48'x40'	8" O.C.	6" O.C.	

*End Wall is the 24', 36' or 48' Long Wall of the Building
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SITE SPECIFIC APPROVAL

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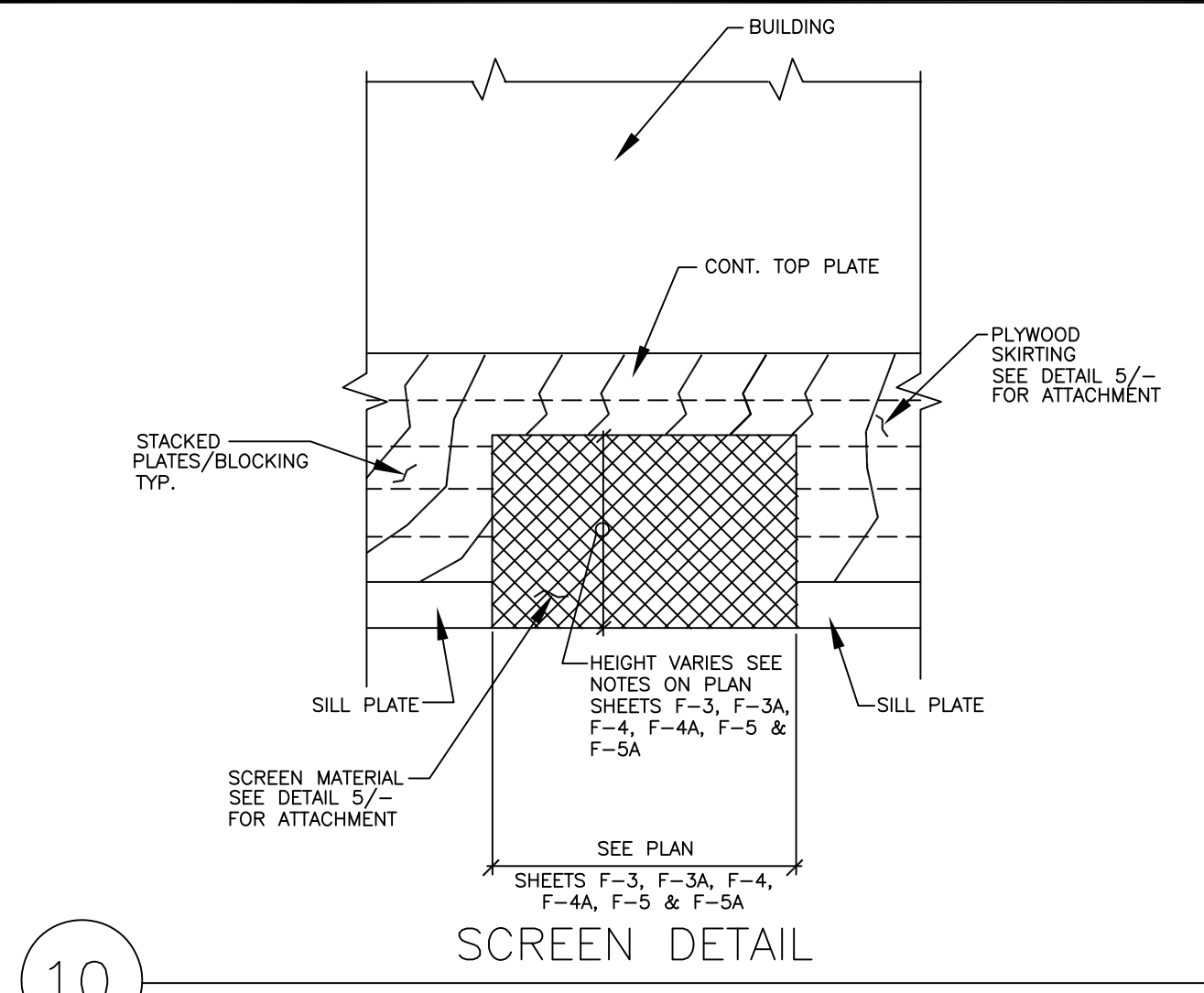
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MIRA LOMA, CA 91752

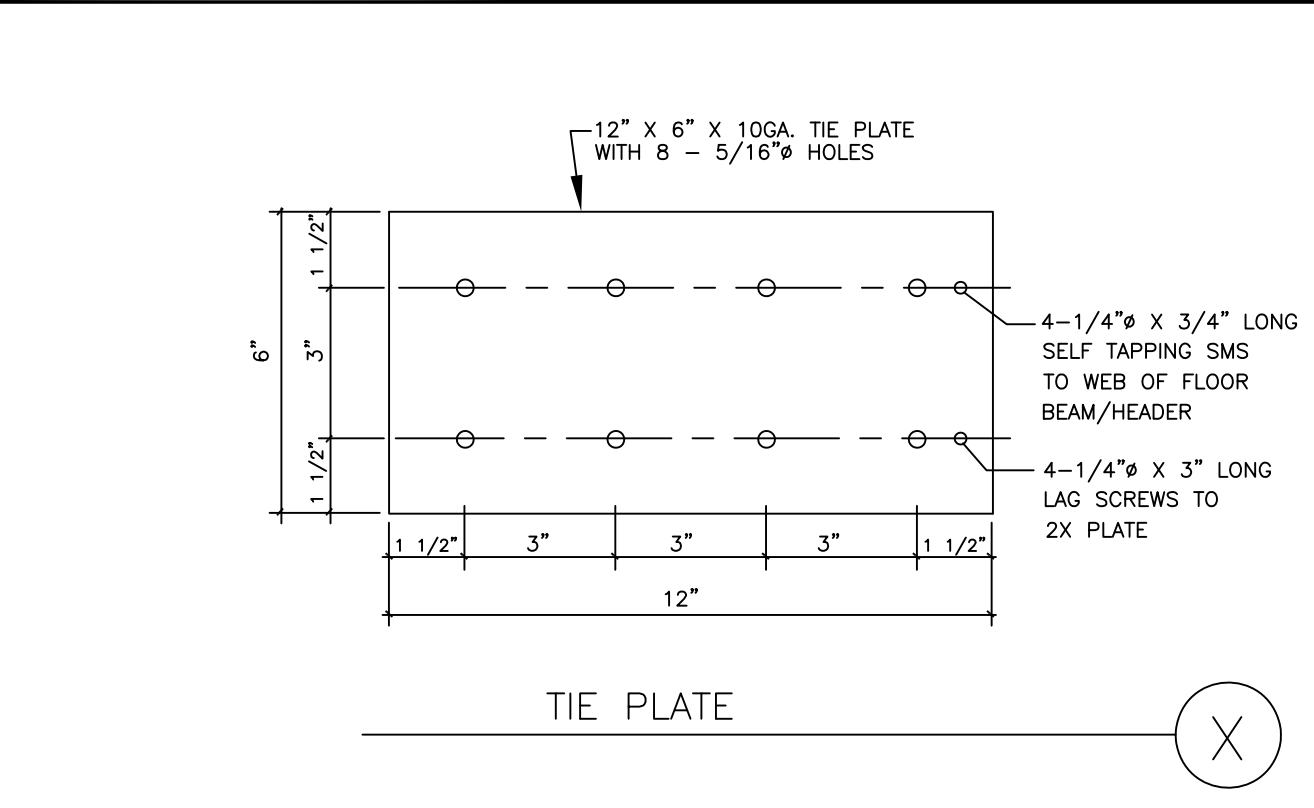
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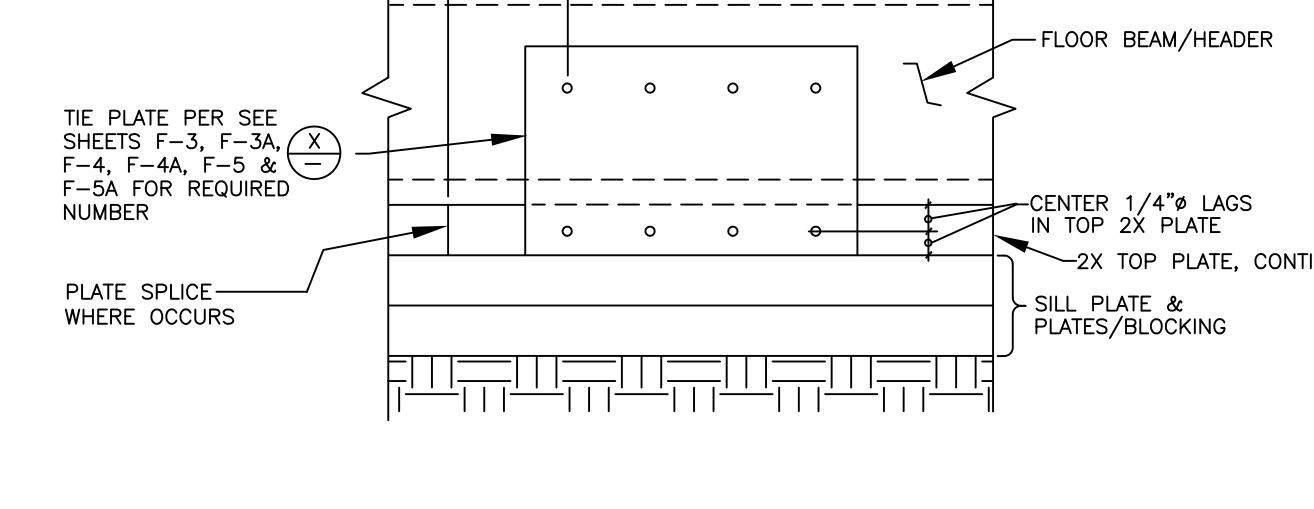
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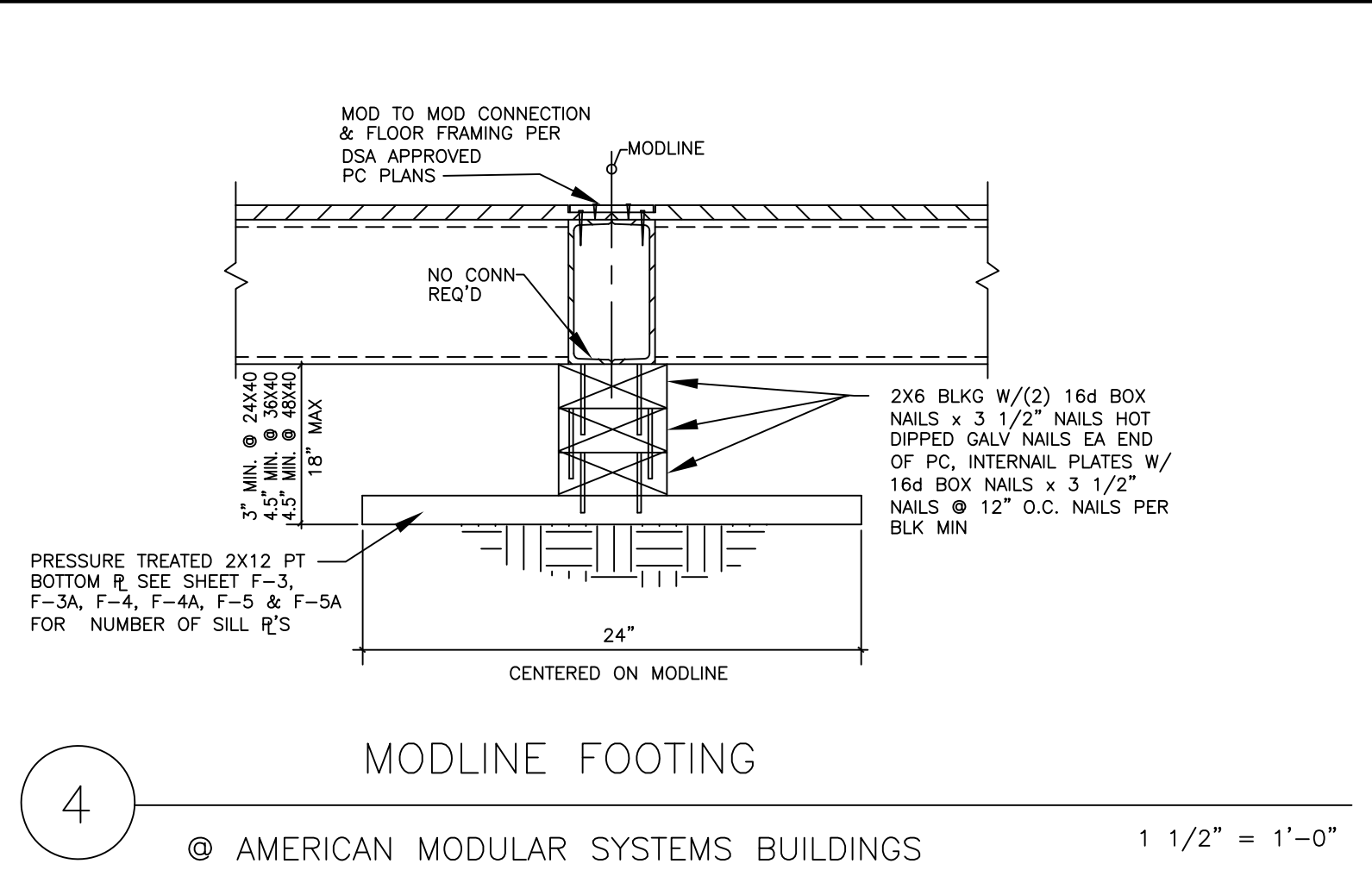
10 SCREEN DETAIL NTS



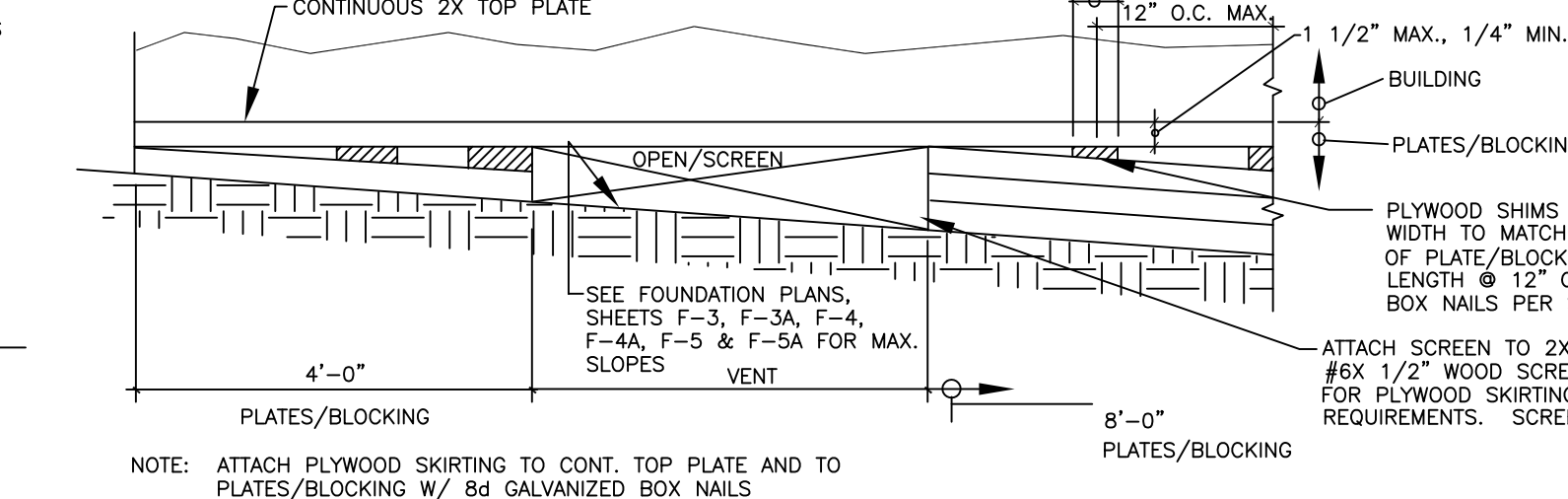
4 TIE PLATE



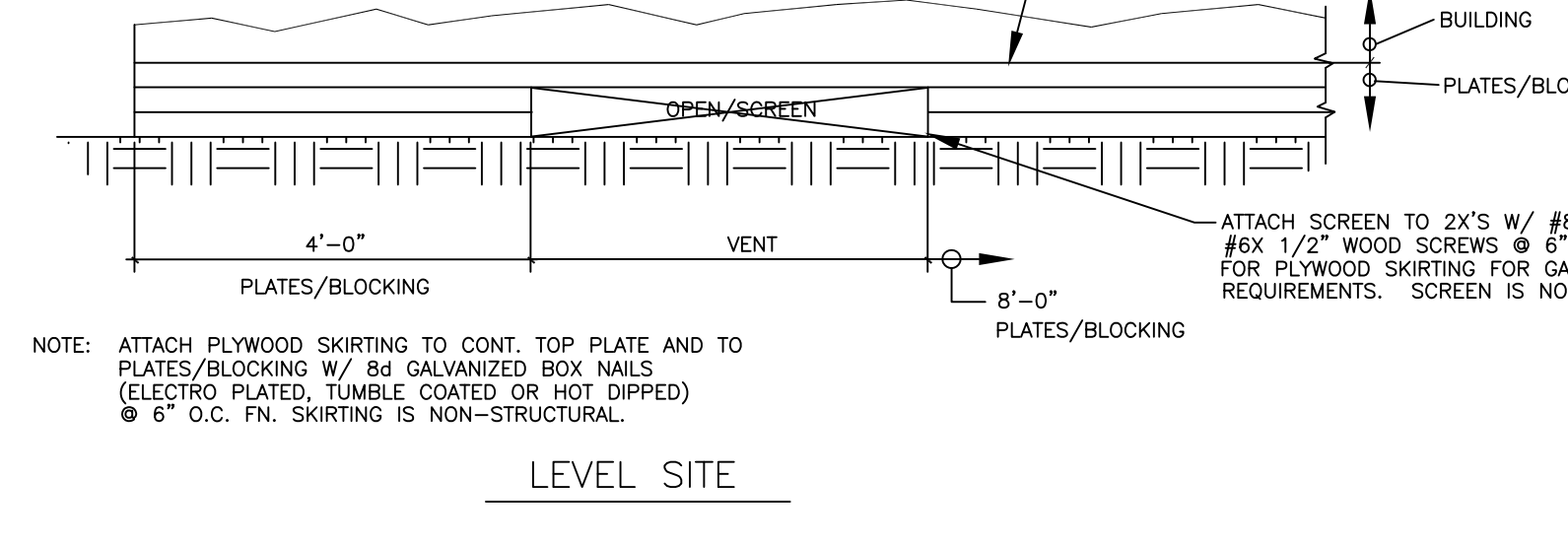
7 TYPICAL FOUNDATION TIE PLATES



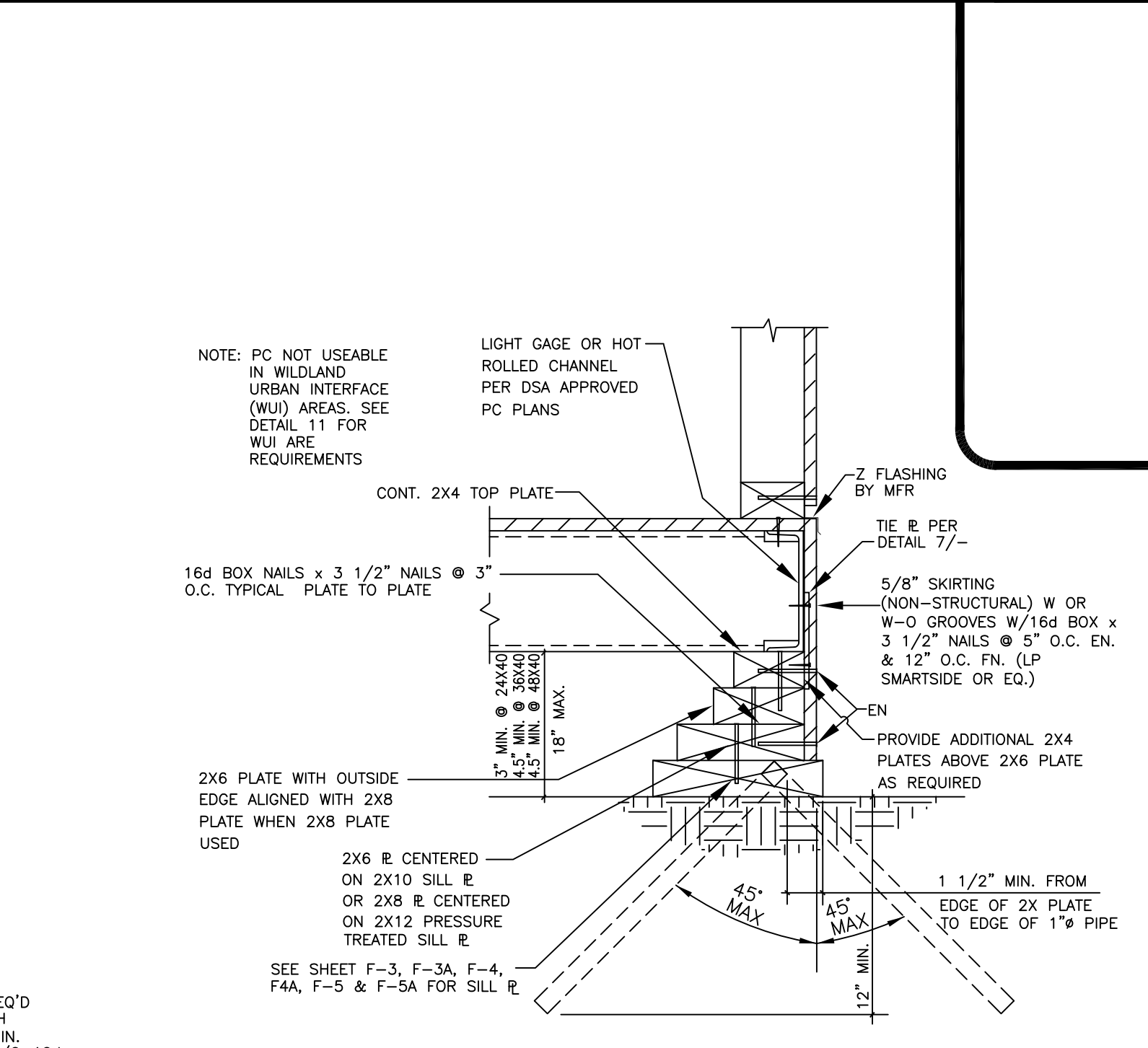
4 MODLINE FOOTING
© AMERICAN MODULAR SYSTEMS BUILDINGS 1 1/2" = 1'-0"



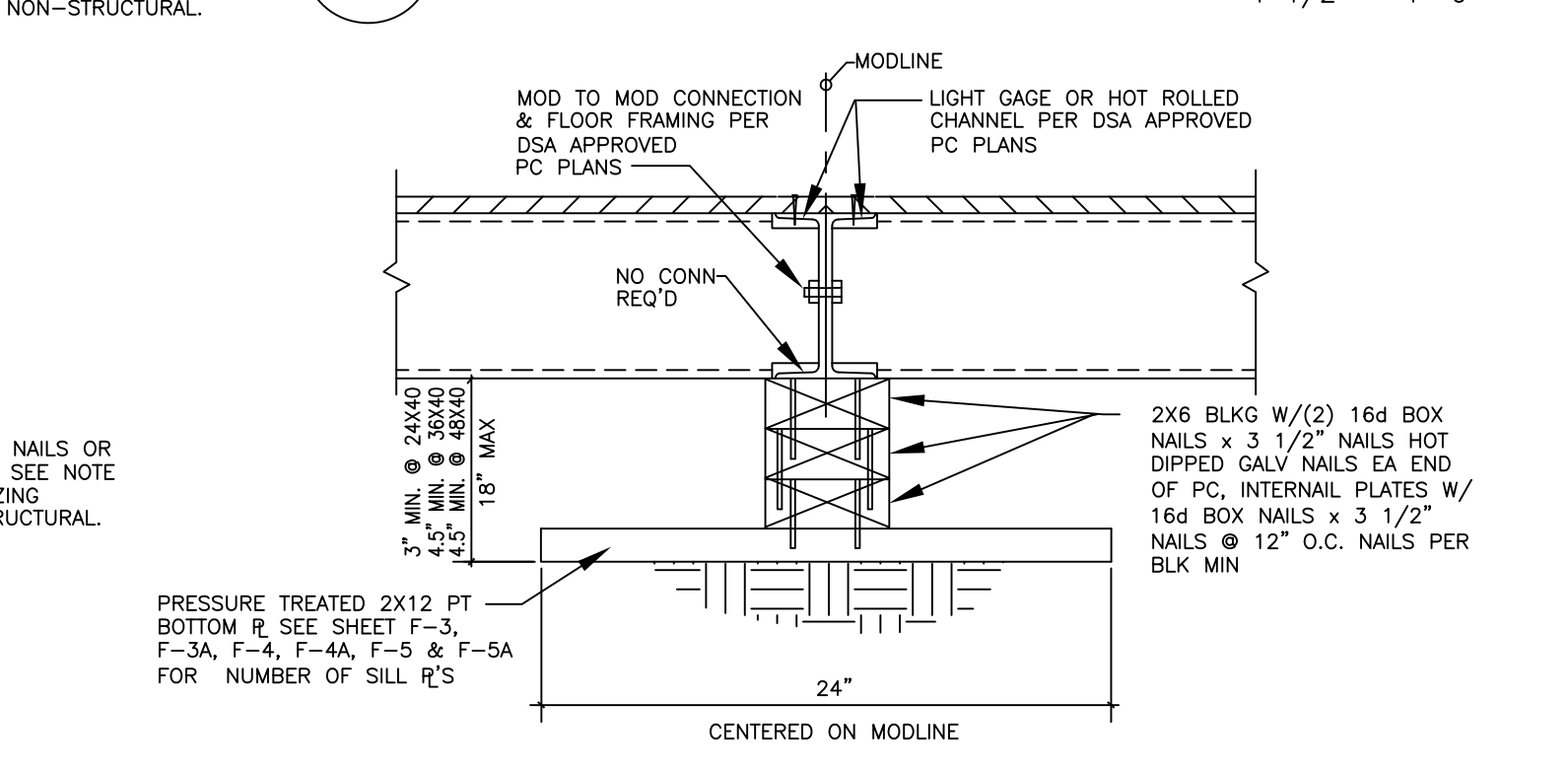
5 PLATE LAYUP @ PERIMETER FTG'S NTS



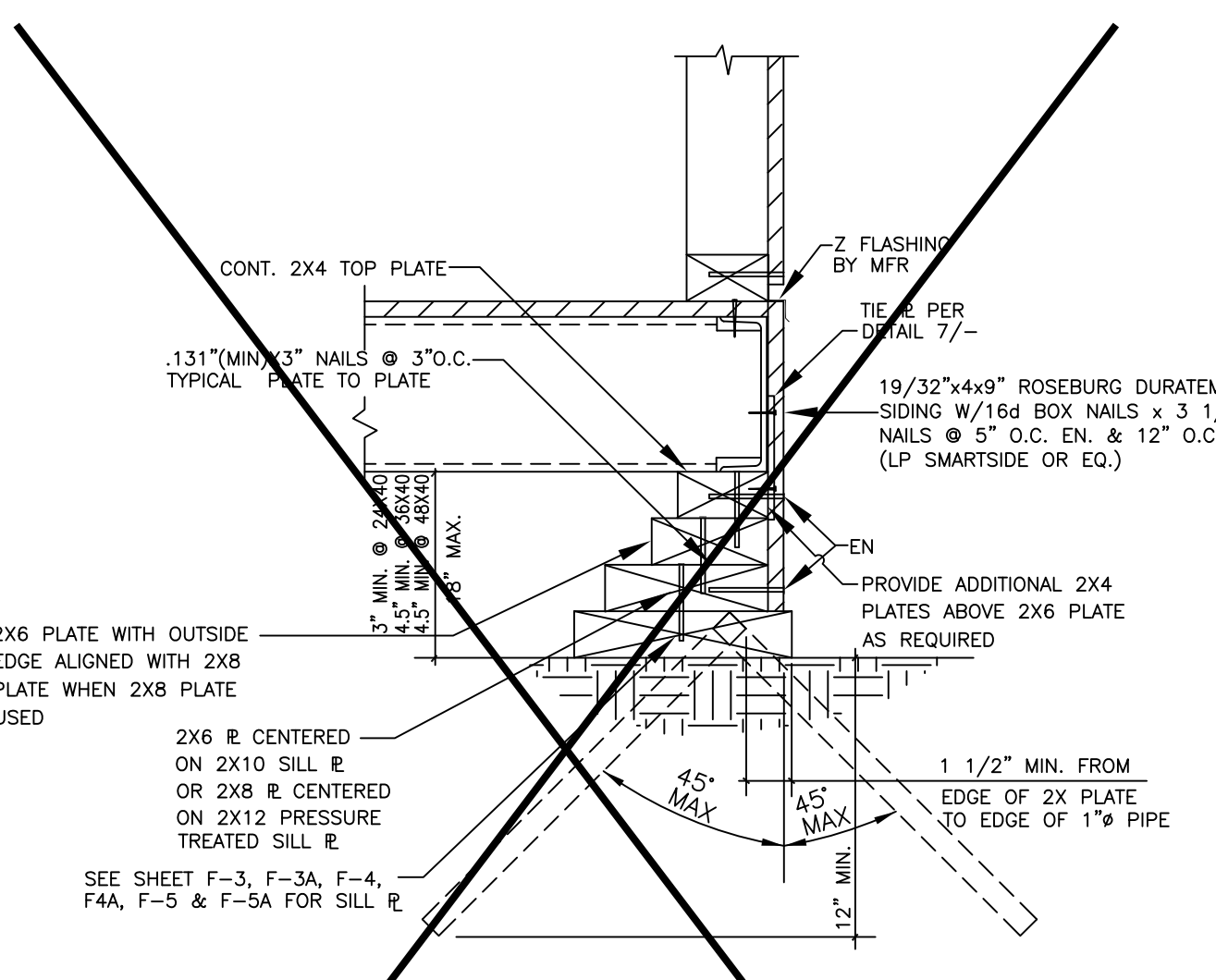
5 SLOPING SITE
LEVEL SITE
PLATE LAYUP @ PERIMETER FTG'S NTS



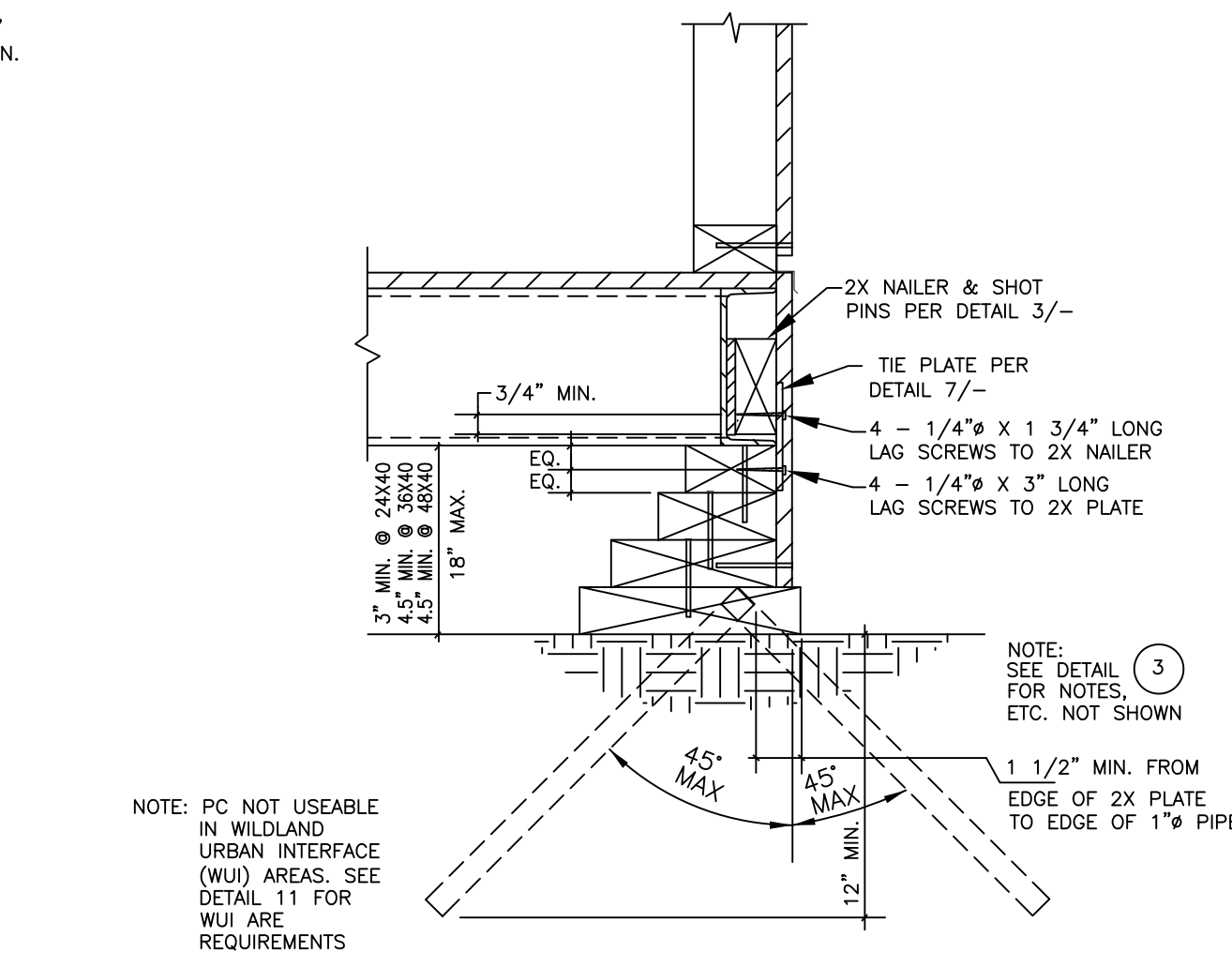
1 END WALL & SIDEWALL SILL R'S 1 1/2" = 1'-0"



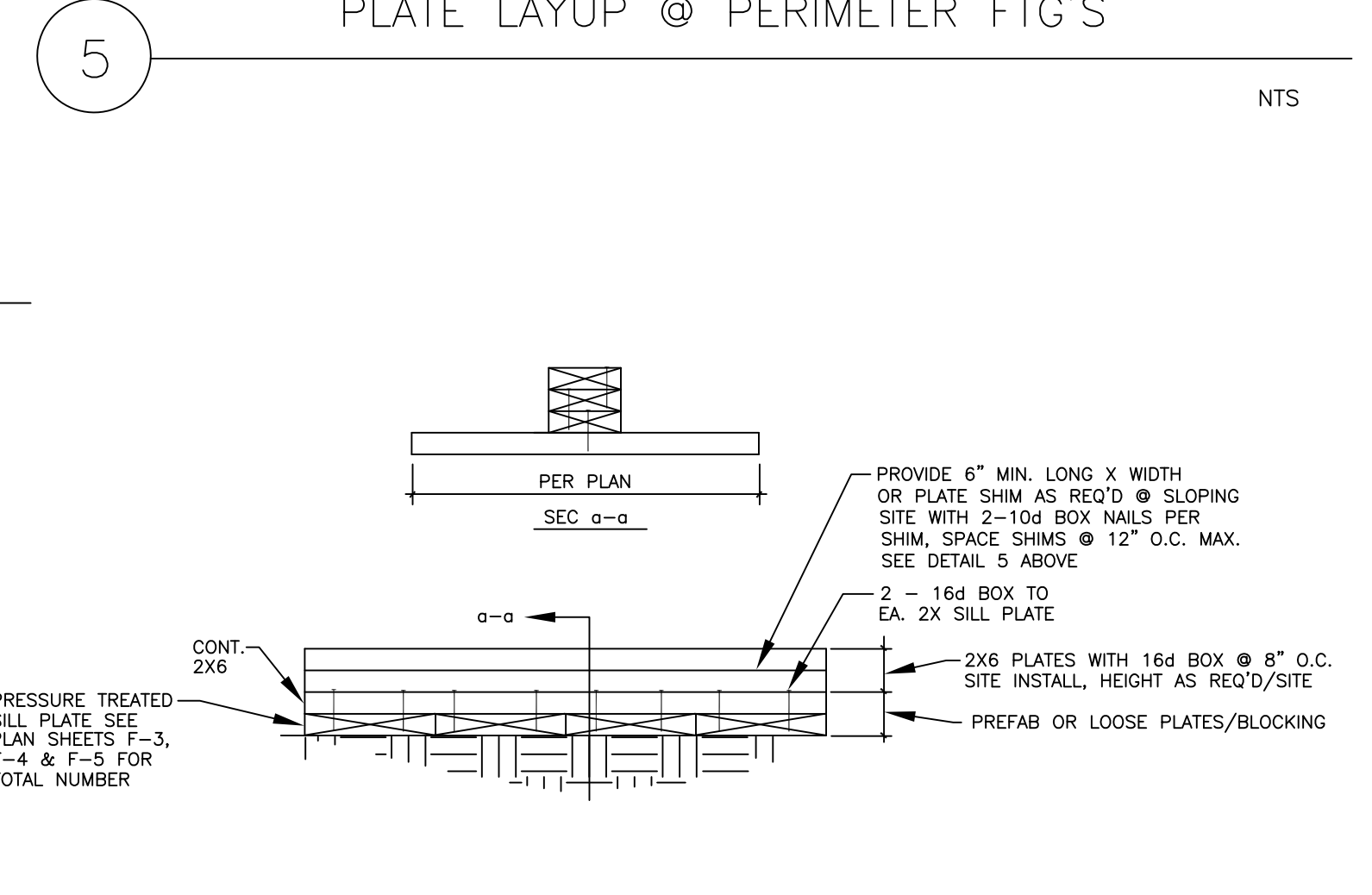
2 MODLINE FOOTING 1 1/2" = 1'-0"



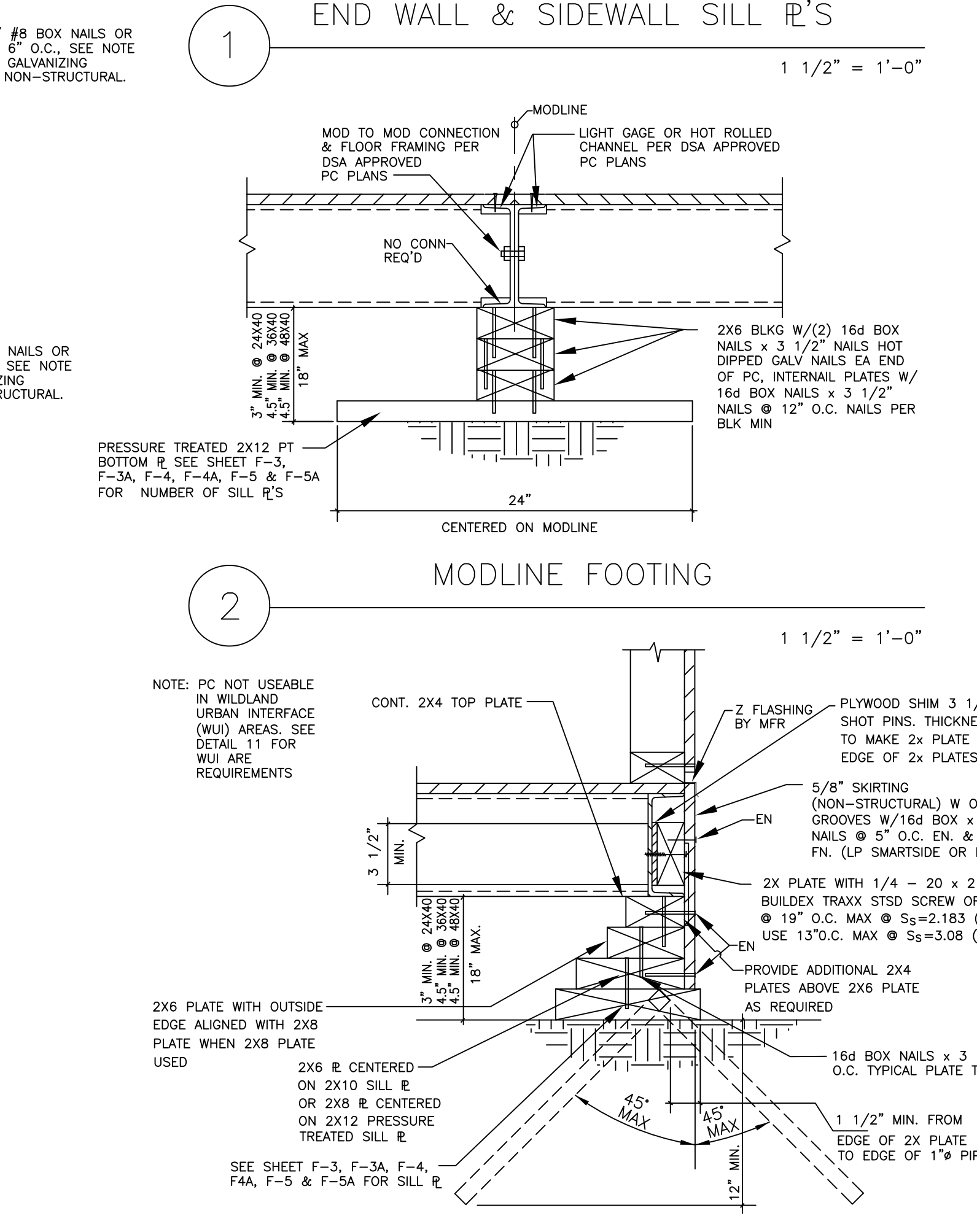
11 END WALL & SIDEWALL SILL R'S @ WILDLAND URBAN INTERFACE (WUI) 1 1/2" = 1'-0"



8 END WALL & SIDEWALL SILL R'S
© AMERICAN MODULAR SYSTEMS BUILDINGS 1 1/2" = 1'-0"

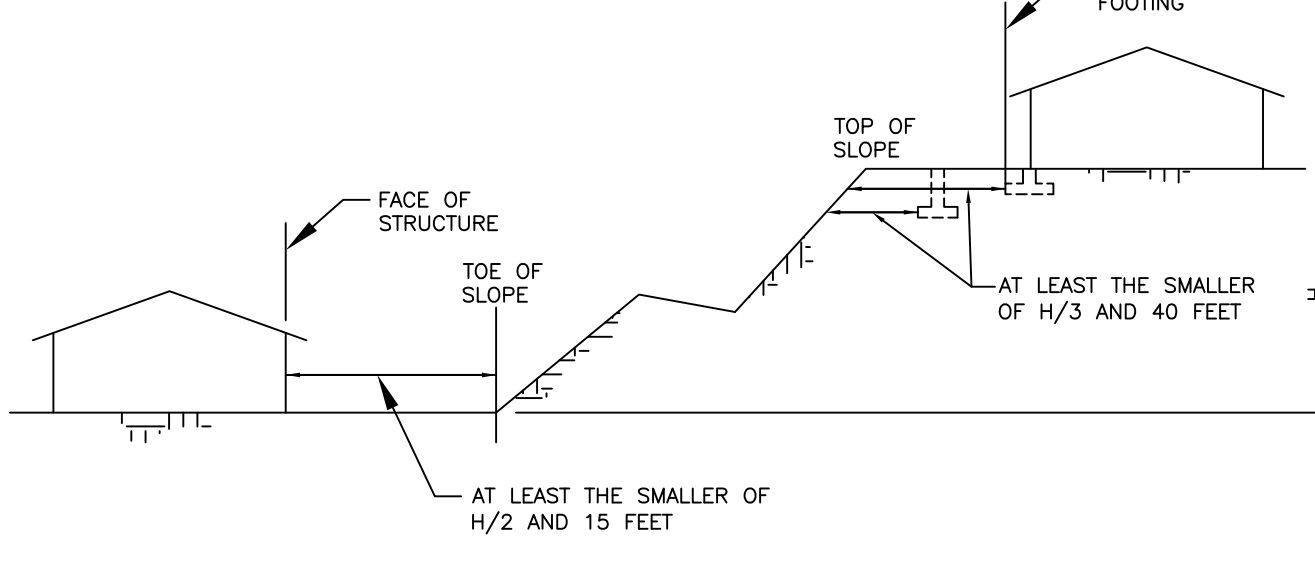


6 PLATE LAYUP @ MODLINE FTG'S NTS

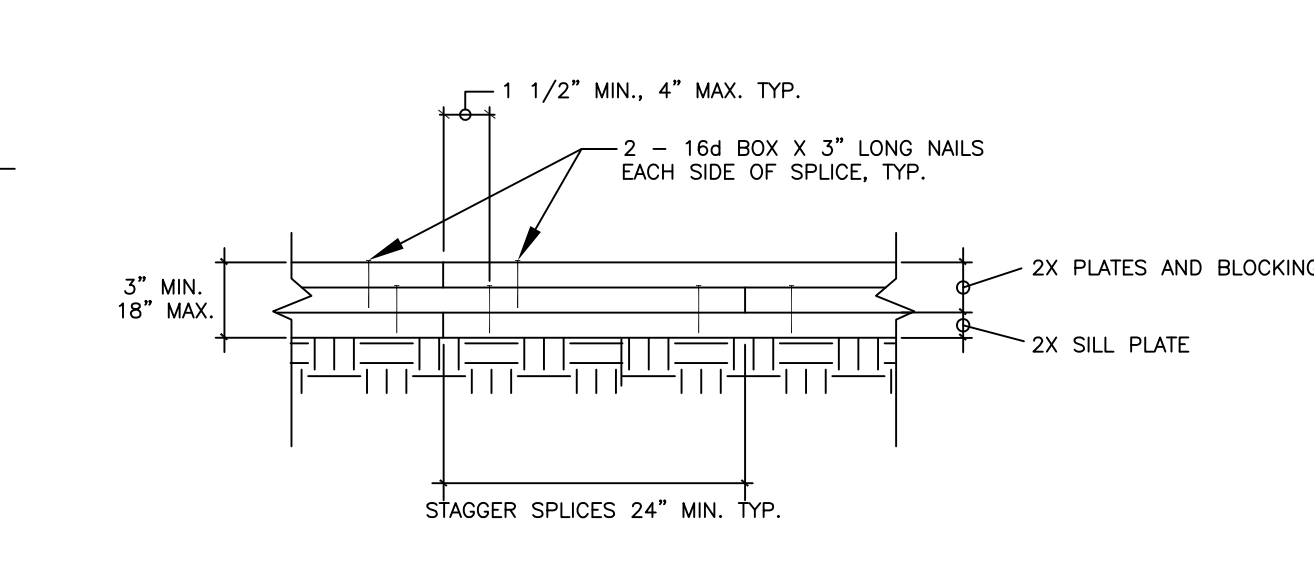


3 END WALL & SIDEWALL SILL R'S
© AMERICAN MODULAR SYSTEMS BUILDINGS 1 1/2" = 1'-0"

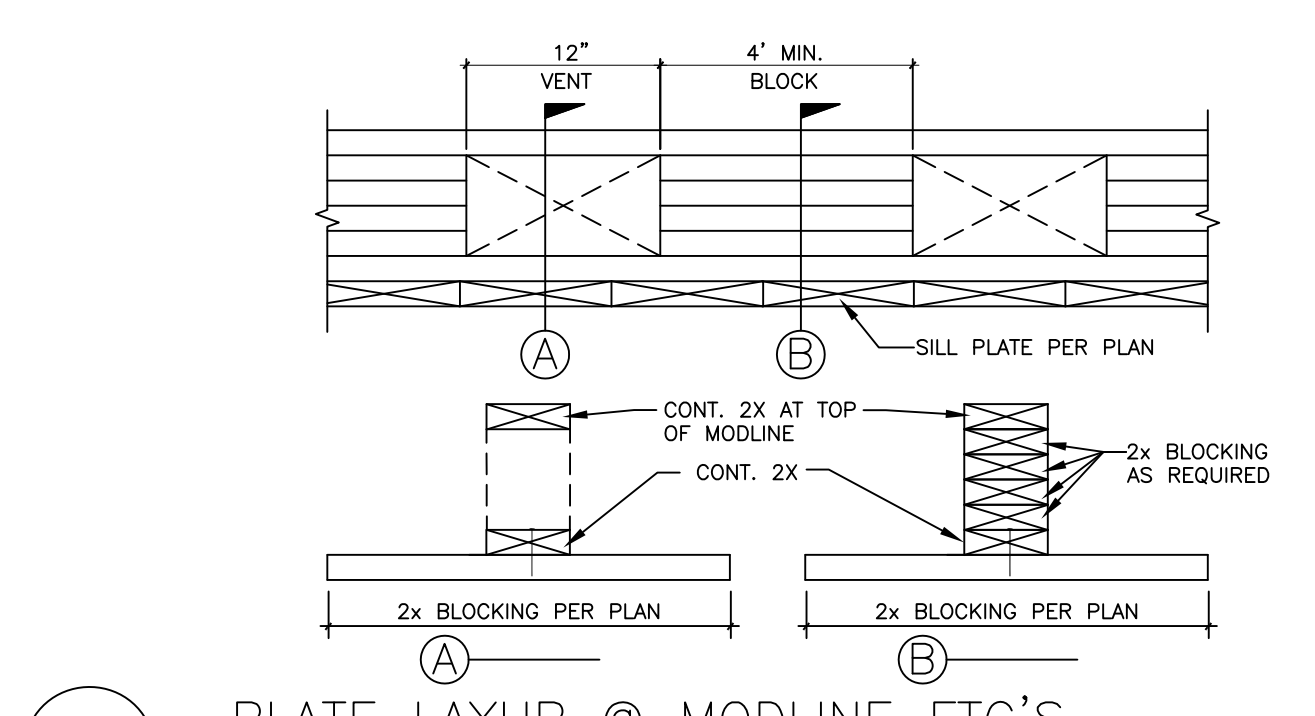
- NOTES:
- EXTERIOR SKIRTING VENTS
 - PROTECTED BY CORROSION-RESISTANT, NONCOMBUSTIBLE WIRE MESH WITH OPENING 1/16" TO 1/8"
 - MEETS CBC CHAPTER 7A-702.2 REQUIREMENTS VENTS - REQUIREMENTS #1 & #2
 - CAL-FIRE LISTING NUMBER: 8165-2192-0100; 8165-2214-0100; 8165-2232-0500 OR EQUIVANT
 - EXTERIOR SKIRTING (FOR OR LINE TO GRADE)
 - 19/32"x4"x9" ROSEBURG DURATEMP SIDING (UN-GROOVED OR GROOVED @ 8" O.C.)
 - MEETS APA 303 SPECIFICATIONS FOR PLYWOOD SLIDING
 - COMPLIES WITH SPEC 12-7A-1
 - CAL-FIRE LISTING NUMBER 8140-2031-0004
 - MEETS CBC CHAPTER 7A-707A.3.1 "EXTENT OF EXTERIOR WALL COVERING"
 - MATERIAL USAGE SAME AS EXTERIOR SIDING TO MEET WUI REQUIREMENTS




12 FOUNDATION CLEARANCES FROM SLOPES
2019 CBC 1808A.7



9 TYPICAL 2X PLATE SPLICE NTS



13 PLATE LAYUP @ MODLINE FTG'S NTS

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DETAILS

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F - 6
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GENERAL SPECIFICATIONS

SECTION 1A

1. GENERAL

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

2. SCOPE OF WORK

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

B. ALL REQUIREMENTS OF TITLE 19 AND 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS (CCR) RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:

1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.

2. INSPECTION 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 DISTRICT.

3. ON SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY OF THE BUILDING INSTALLATION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.

4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT. COST OF THESE INSPECTIONS/TESTS SHALL BE BORNE BY THE SCHOOL DISTRICT.

3. WORK NOT INCLUDED

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

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

C. FIRE ALARM SYSTEM, FIRE EXTINGUISHER, PROGRAM BELL, CLOCK, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

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 THE BUILDING. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS, ETC. NECESSARY FOR MOVE-IN AND REMOVAL OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

SECTION 2A 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.

2. ASSEMBLY OF ELEMENTS

A. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING.

B. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTIONS ON THE DRAWINGS. FLASHING, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER PLANS AND DETAILS OF THE ORIGINAL MANUFACTURER'S DRAWINGS.

SECTION 3A CARPENTRY

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.

2. 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 COR- TABLE 2304.10.1. NAILS SHALL BE CORROSION RESISTANT BOX NAILS.

C. MACHINE APPLIED NAILING- SHALL HAVE PRIOR DEMONSTRATION AND APPROVAL BY DSA FIELD INSPECTOR AND THE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUES SATISFACTORY PERFORMANCE. PLYWOOD SHALL HAVE A MINIMUM THICKNESS OF 3/8" IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED. THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.

D. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING.

SECTION 4A MATERIAL SPECIFICATIONS

1. STRUCTURAL FRAMING SHALL BE HEM FIR - GRADED IN ACCORDANCE WITH THE STANDARD GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION OR STANDARD GRADING RULES NO. 16 OF THE WEST COAST LUMBER INSPECTION BUREAU, LATEST EDITIONS. GRADES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS. (HEM FIR SOUTH IS NOT ALLOWED.) EACH PIECE SHALL BE GRADE MARKED AND NO PIECE MAY FALL BELOW GRADES INDICATED.

2. ALL FRAMING EXCEPT AS NOTED HEM FIR NO. 2. PLYWOOD SHALL BE AS SHOWN ON THESE DRAWINGS WITH EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD DOC PS 1-07 OR DOC PS-04.

ALL PANELS SHALL BE MARKED WITH AN APA GRADE MARK WITH AN IDENTIFICATION INDEX AS SHOWN ON DRAWINGS. USE 4x8" PANELS, MINIMUM, EXCEPT AT BOUNDARIES AND FRAMING CHANGES WHERE MINIMUM PANEL DIMENSION SHALL BE 24" AT ROOFS AND FLOORS AND 12" AT WALLS.

3. BOLTS FOR TIMBER CONNECTIONS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1-2012 AND 2015 EDITION OF THE NDS. BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF OF THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NDS). BOLT HOLES SHALL BE 1/32 TO 1/16 INCH LARGER THAN BOLT DIAMETER. RE-TIGHTEN BOLTS BEFORE CLOSING IN WORK. BOLTS SHALL BE FULL BODY STEEL BOLTS WITH MINIMUM YIELD STRENGTH OF 45,000 PSI.

4. LAG SCREWS SHALL BE STEEL AND CONFORM TO ANSI/ASME STANDARD B18.2.1 AND THE REQUIREMENTS OF THE 2015 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS). HOLES FOR LAG SCREW SHANKS SHALL BE BORED THE SAME DEPTH AND DIAMETER AS THE SHANK. THE REMAINING DEPTH OF PENETRATION OF THE SCREW SHALL BE BORED TO 70% OF THE SHANK DIAMETER. ONE QUARTER INCH (1/4") DIAMETER LAG SCREWS NEED NOT HAVE PRE-DRILLED HOLES IF IT CAN BE SHOWN THAT THE WOOD MEMBERS ARE NOT DAMAGED DURING INSTALLATION. PROVIDE FULL DIAMETER BODY LAG SCREWS WITH BENDING YIELD STRENGTHS PER TABLE 12J AND 12K IN NDS.

5. PROVIDE MALLEABLE IRON WASHERS OR EQUIVALENT CUT PLATE WASHERS (NOT LESS THAN A STANDARD CUT WASHER) UNDER NUTS AND BOLT OR LAG SCREW HEADS WHICH BEAR ON WOOD.

6. WOOD SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.6.1 AND THE REQUIREMENTS OF THE 2015 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NDS). GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER OR USED IN FOUNDATIONS. SCREWS SHALL BE STEEL WITH CUT THREADS AND BENDING YIELD STRENGTHS PER TABLES 12L AND 12M IN NDS.

7. WOOD MEMBERS SHALL BE CUT OR NOTCHED ONLY AS SHOWN ON STRUCTURAL DRAWINGS.

8. WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES SHALL BE PRE-BORED TO 3/4 OF THE NAIL DIAMETER.

9. STRUCTURAL NAILING SHALL BE WITH BOX NAILS PER ALL REQUIREMENTS OF 2015 NDS. NAILING NOT SPECIFICALLY INDICATED SHALL COMPLY WITH CCR TITLE 24, PART 2, TABLE 2304.9.1. ALL NAILS SHALL BE GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER, IN FOUNDATIONS AND AS NOTED ON PLANS, PER THE REQUIREMENTS OF CCR TITLE 24, PART 2, WITH MINIMUM BENDING YIELDS PER TABLE 12N, 12P, 12Q AND 12R IN NDS. (SEE NAIL EQUIVALENCE BELOW.)

10. NAIL EQUIVALENCE: (PROVIDE MINIMUM NAIL LENGTHS AS REQUIRED FOR SPECIFIED PENETRATION, TYP. U.O.A.)

6d EQUALS .113" DIA. - PROVIDE 1.36" MIN POINT PENETRATION

8d EQUALS .131" DIA. - PROVIDE *1.57" MIN POINT PENETRATION

10d EQUALS .148" DIA. - PROVIDE *1.78" MIN POINT PENETRATION

16d EQUALS .162" DIA. - PROVIDE *1.94" MIN POINT PENETRATION

* 1 1/2" AT 2x MEMBERS

11. PRESSURE PRESERVATIVE TREATMENT SHALL BE PER SECTION 2303.1.9, CCR TITLE 24, PART 2. PROVIDE QUALITY MARK ON ALL TREATED FOUNDATION MEMBERS. PRESSURE TREATED WOOD AND IDENTIFICATION MUST COMPLY WITH CBC 2303.1.9.1. ALL FOUNDATION MEMBERS SHALL BE MARKED AS "FOR GROUND CONTACT (UC4A)" OR "FOR ABOVE GROUND USE (UC3A OR UC3B)" AS APPROPRIATE. TREAT ALL CUT ENDS OF PRESSURE TREATED MEMBERS WITH AN APPROVED PRESERVATIVE. (WILLARD W/B COPPER GREEN 2% OR AN APPROVED EQUIVALENT) WHERE NOTED. MEMBERS BELOW THE SUB FLOOR THAT ARE NOT A PART OF THE FOUNDATION SHALL BE PRESSURE TREATED PER AWP STANDARD UI.

12. ONLY MATERIAL IN CONTACT WITH GROUND NEEDS TO BE PRESSURE TREATED, ALL OTHER FOUNDATION LUMBER CAN BE DF OR HF#2 OR EQUAL.

13. IF MACHINE NAILING IS UTILIZED FOR THIS PROJECT, CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF CCR TITLE 24, PART 2. MACHINE NAILING IS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OR ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT.

14. FASTENERS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE-RETARDANT TREATED WOOD SHALL COMPLY WITH SEC. 2304.10 OF CBC.

15. NAILS AND SPIKES USED IN WET OR EXTERIOR LOCATIONS SHALL COMPLY WITH SEC. 2304.10.5.1 OF CBC.

16. SHIM MATERIAL SHALL BE PLYWOOD CD EXP 1 OR EQUAL (NOT P.T.).


17. USED LUMBER IN GOOD CONDITION IS ACCEPTABLE FOR USE IN FOUNDATION SYSTEM.

SITE INSTALLATION REQUIREMENTS CLAUSE:

SITE INSTALLATION REQUIREMENTS FOR DSA CLASSROOM BUILDINGS. IN THE CASE OF EQUIPMENT LOCATED IN THE STATE OF CALIFORNIA, THE LESSEE IS RESPONSIBLE FOR THE SITE BEING CLEARED (FREE OF GRASS, SHRUBS, TREES, ETC.) AND GRADED TO WITHIN 4 1/2" OF LEVEL GRADE FOR EACH BUILDING. IF THE SITE EXCEEDS THE 4 1/2" REQUIREMENT ADDITIONAL COSTS MAY BE CHARGED TO LESSEE. UNDER NO CIRCUMSTANCES SHOULD THE SITE BE GREATER THAN 9" FROM LEVEL GRADE OR HAVE LESS THAN A 1000 PSF MINIMUM SOIL BEARING PRESSURE. PRIOR TO DELIVERY, THE LESSEE SHALL MARK THE FOUR CORNERS OF THE BUILDING ON THE SITE, INCLUDING THE DOOR LOCATION. SHOULD SPECIAL HANDLING BE REQUIRED TO EITHER PLACE, INSTALL OR REMOVE THE CLASSROOM ON THE LESSEE'S SITE DUE TO SITE OBSTRUCTIONS SUCH AS FENCING, LANDSCAPING, OTHER CLASSROOMS, ETC., ADDITIONAL COSTS WILL BE CHARGED TO LESSEE.

TEST AND INSPECTIONS:

1. PROVIDE ELECTRICAL GROUNDING TEST PER DSA IR E-1
2. NO OTHER TESTS AND INSPECTIONS ARE REQUIRED.

SITE SPECIFIC APPROVAL	DSA PC STAMP	APPROVAL - PC ENGINEER OF RECORD	MEMBER	TABLE OF CONTENTS			
	PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED		STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA AMERICAN CONCRETE INSTITUTE (909) 613-0234 Fax(909) 613-0238	Sheet No	Description	Dated	Revised
		Date Signed: September 24, 2020	4091 RIVERSIDE DRIVE, SUITE 114 CHINO, CALIFORNIA 91710				
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PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119396 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 10/29/2020

PC 04-119396
GENERAL SPECIFICATIONS

DRAWN
CHECKED
DATE
AUG. 15, 2020
SCALE
JOB NO.
F - 7
OF 19 SHEETS

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

Application Number: 04-119396 School Name: Mobile Modular Management Corp School District: Mobile Modular Management Corp
Date Created: 2020-09-01 09:39:04

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.

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

KEY TO COLUMNS

Table with 2 columns: 1. TYPE, 2. PERFORMANCE. Rows include Continuous, Periodic, and Test.

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

Application Number: 04-119396 School Name: Mobile Modular Management Corp School District: Mobile Modular Management Corp
Date Created: 2020-09-01 09:39:04

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.

- 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...

- 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...

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

Application Number: 04-119396 School Name: Mobile Modular Management Corp School District: Mobile Modular Management Corp
Date Created: 2020-09-01 09:39:04

- 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.

- 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.

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

Application Number: 04-119396 School Name: Mobile Modular Management Corp School District: Mobile Modular Management Corp
Date Created: 2020-09-01 09:39:04

- 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).

NOTE:

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

NOT USED

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

Application Number: 04-119396 School Name: Mobile Modular Management Corp School District: Mobile Modular Management Corp
Date Created: 2020-09-01 09:39:04

Signature lines for Name of Architect or Engineer in general responsible charge, Name of Structural Engineer (When structural design has been delegated), 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.

DSA STAMP box

PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

MOBILE MODULAR MANAGEMENT 11450 MISSION BLVD. MIRA LOMA, CA 91752

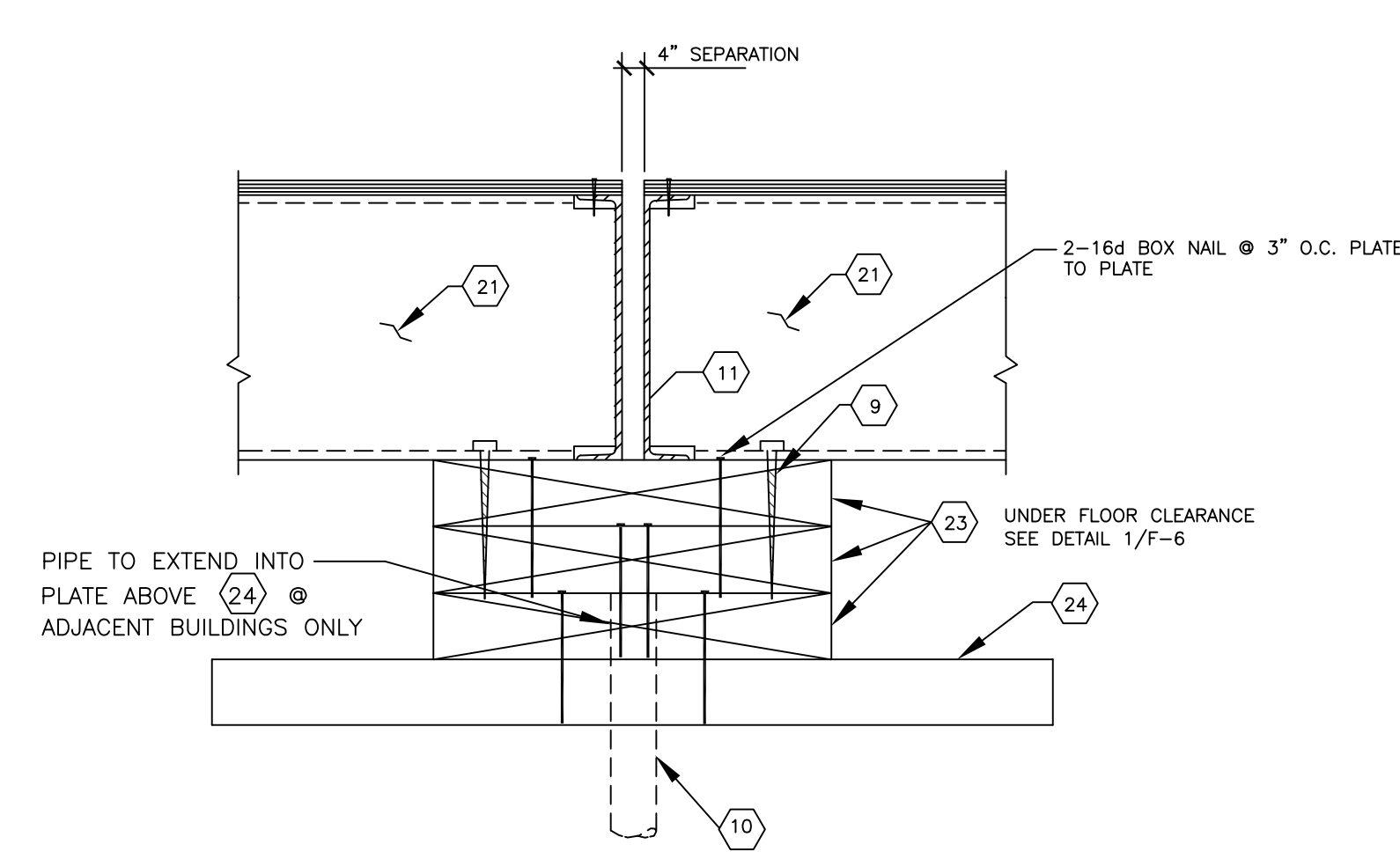
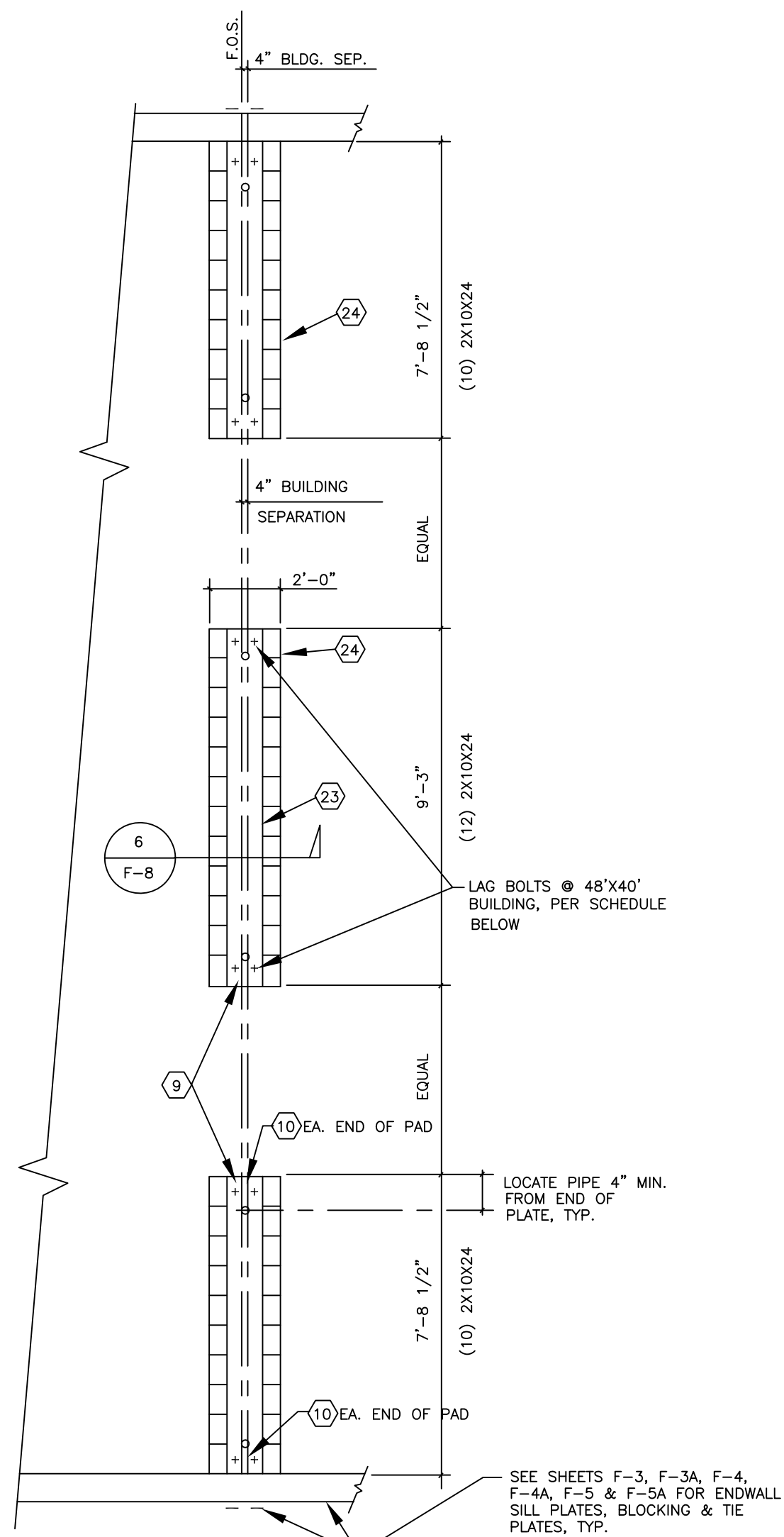
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 04-119396 PC REVIEWED FOR SS FLS ACS CG DATE: 10/29/2020

PC 04-119396 DSA FORM 103

Table with 4 columns: SITE SPECIFIC APPROVAL, DSA PC STAMP, APPROVAL - PC ENGINEER OF RECORD, TABLE OF CONTENTS. Includes EXL STRUCTURAL ENGINEERS, INC. logo and professional seal of James T. Simons.

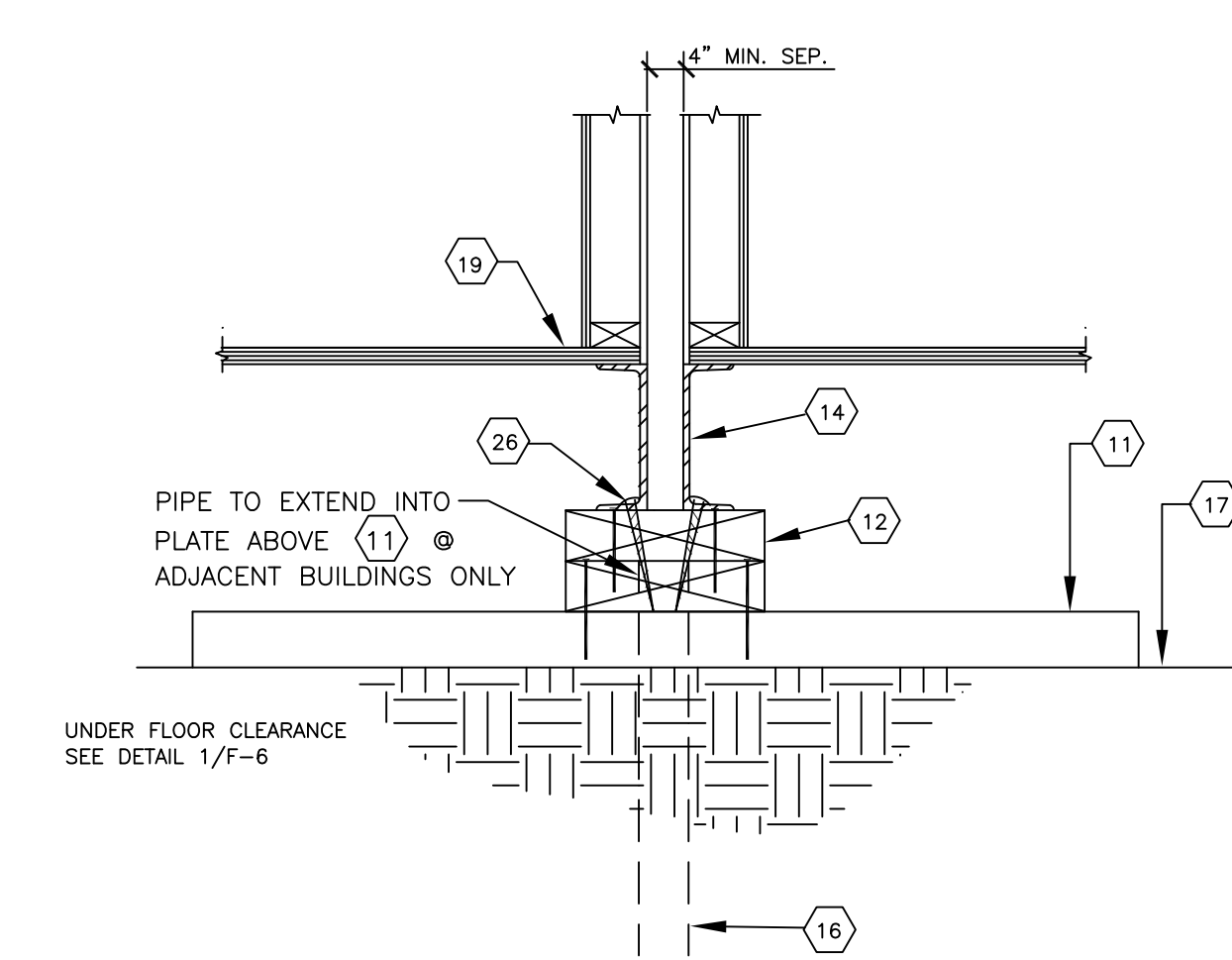
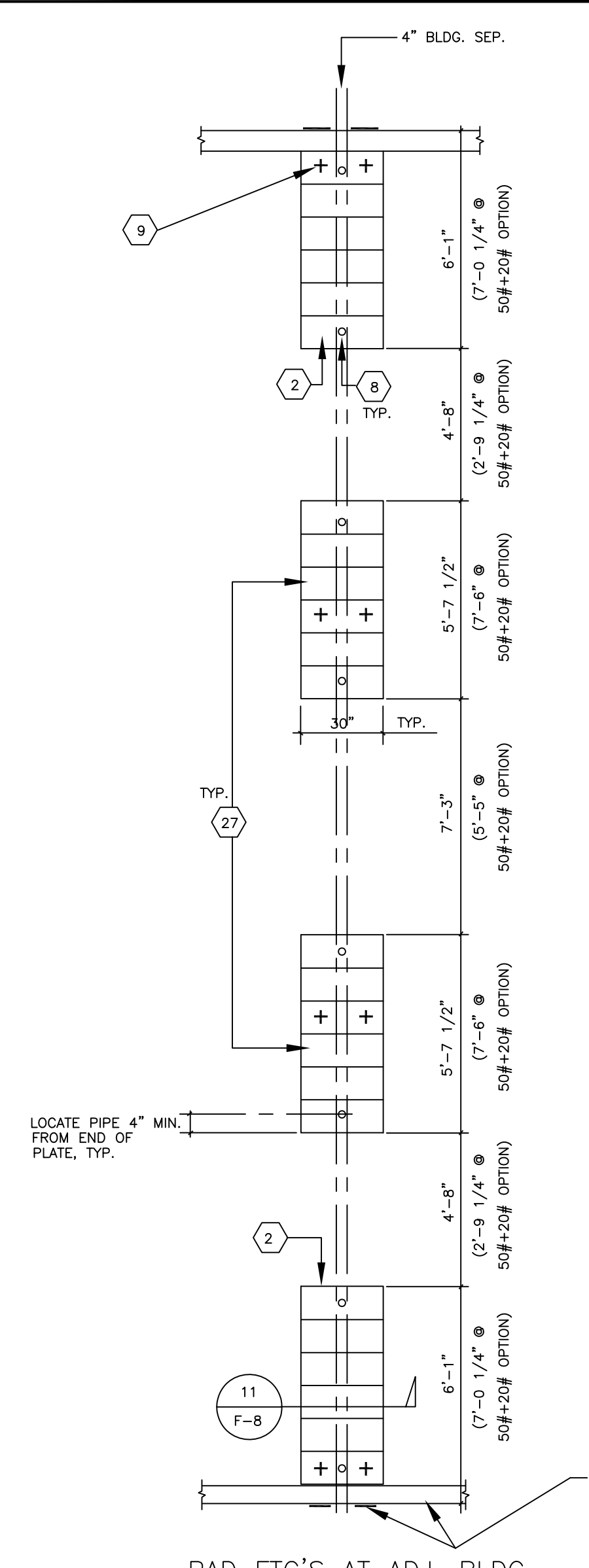
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MOBILE MODULAR MANAGEMENT PC 1131933 SHEET_F-7.DWG



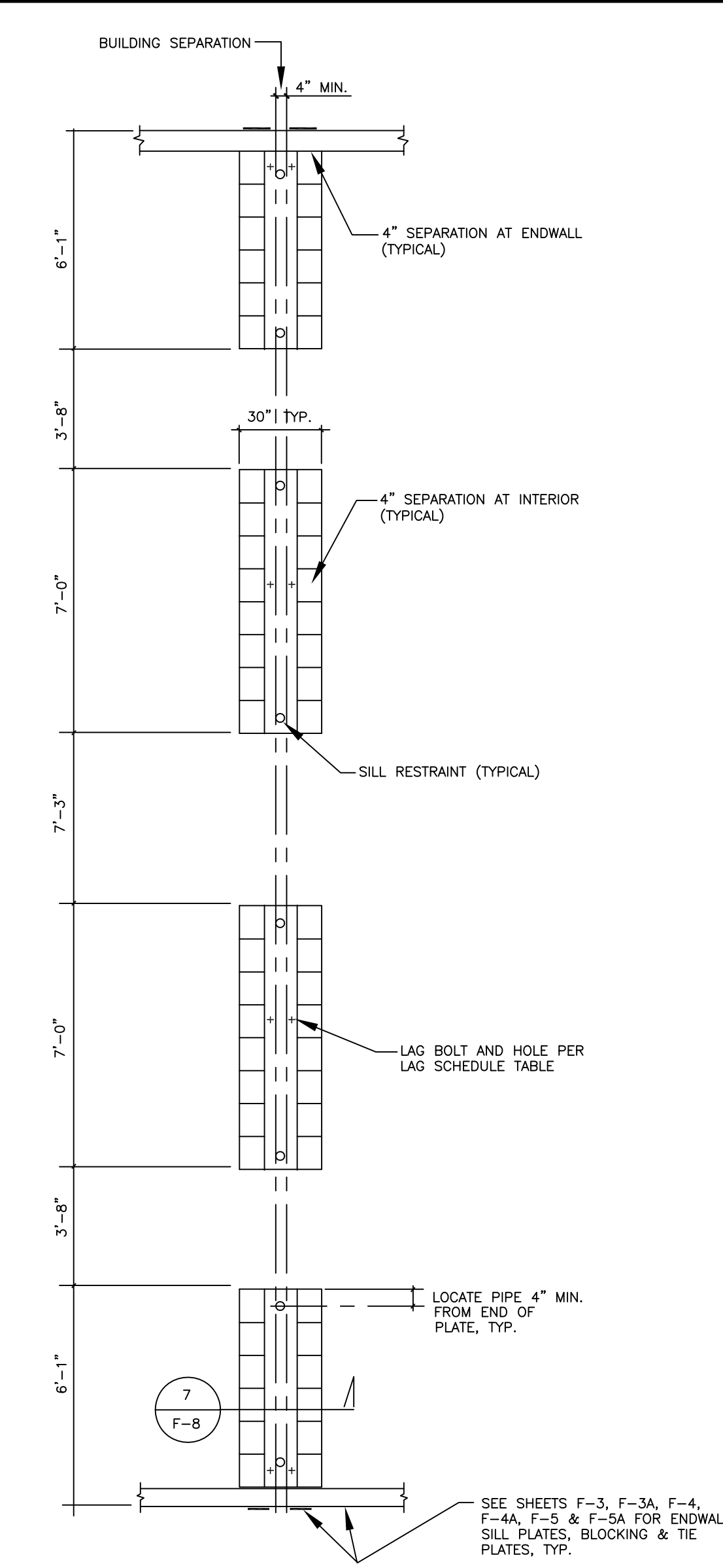
- 9. LAG BOLT AND HOLE PER LAG SCHEDULE TABLE #1 OR TABLE #2
- 10. DRIVE 1" DIA. X 15" G.I. PIPE @ 10'-0" O.C. MAX. DRILL SILL PLATE 1-1/4" MAX. PIPE MAY BE DRIVEN AT MAX. 45 ANGLE TO VERTICAL.
- 11. 7" X 9.8# STEEL FLOOR CHANNEL
- 21. FLOOR JOIST OR BLOCK BETWEEN FLOOR JOIST.
- 23. CONTINUOUS 2X12(SEE PLAN). NAIL(2) 16d AT EACH END AND 7" O.C.
- 24. 2X10X24" LONG SILL PADS. P.T.H.F. (SEE PLAN FOR QUANTITY (10) AT ENDS & (12) AT INTERIOR)

MODULAR STRUCTURES INTERNATIONAL, INC. (MB) 6
 F-8
 ADJACENT BUILDING FOUNDATIONS
 SEE SHEET F-2 FOR DSA APPLICATION NUMBERS.
 NOTE: ADJACENT BUILDING PLAN DETAILS ARE PER EXISTING APPROVED DSA STOCKPILE PLANS

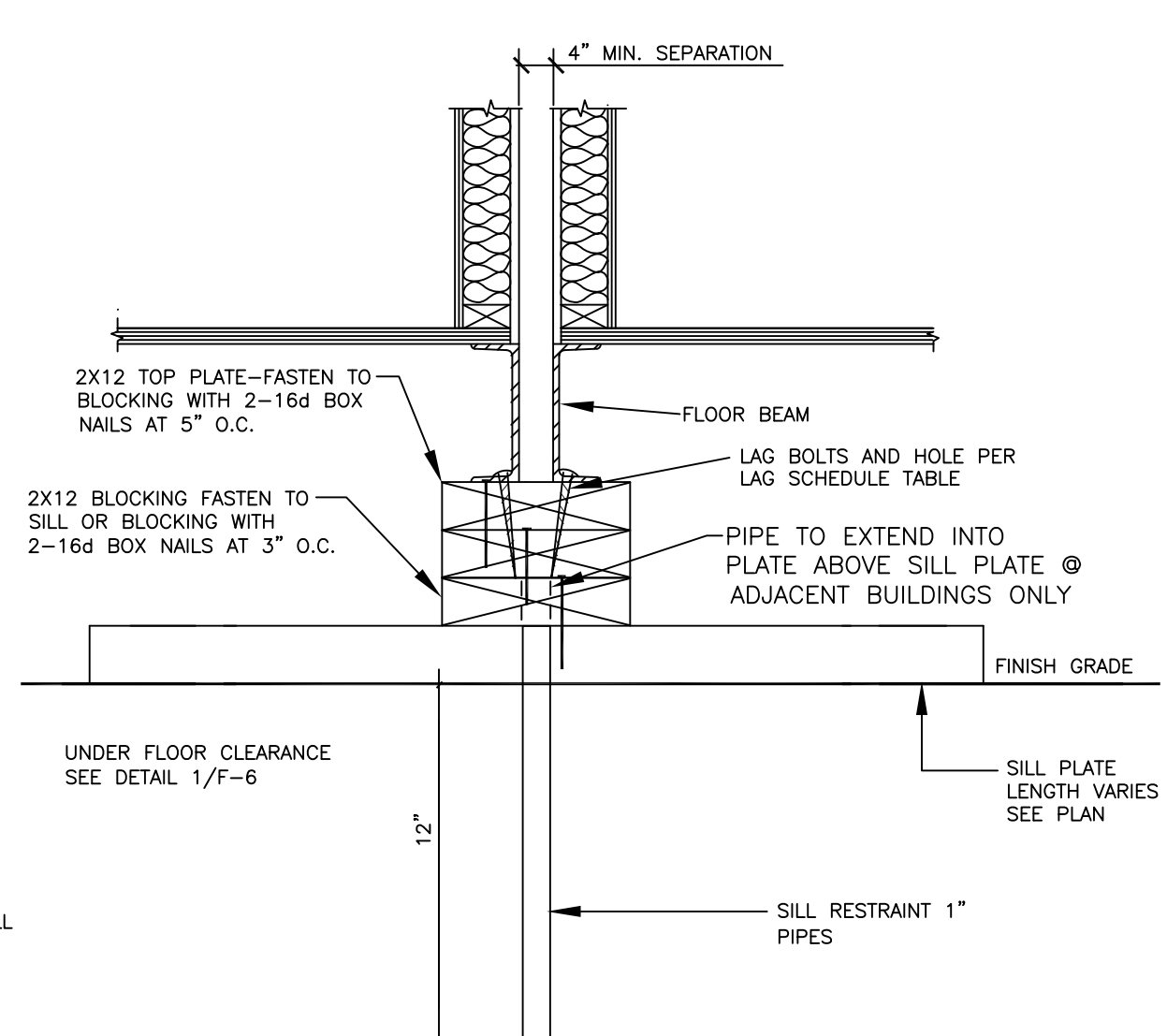


MODTECH, INC.(MT) 11
 F-8
 ADJACENT BUILDING FOUNDATIONS
 SEE SHEET F-2 FOR DSA APPLICATION NUMBERS.
 NOTE: ADJACENT BUILDING PLAN DETAILS ARE PER EXISTING APPROVED DSA STOCKPILE PLANS

- 2 6-2X12X30" LONG SILL PADS @ 50 PSF,
7-2X12X30" LONG SILL PADS @ 50 PSF + 20 PSF
- 8 1"ØPIPE EA. END EA. PAD AT ADJ. BLDG LINE
- 9 LAG BOLT AND HOLE PER LAG SCHEDULE TABLE
- 11 2X12X2'-6" SILL PLATE SEE FOUND. PLAN FOR QUANTITY REQ'D.
- 12 2 X 12 PLATES W/2-16d BOX @ 3" O.C.
- 14 FLOOR FRAME BEAM SEE STRUCTURAL
- 16 SILL RESTRAINT 1"ØPIPE SEE FOUND. FOR LOCATION
- 17 FINISH GRADE
- 19 PLYWOOD SUBFLOOR
- 26 LAG SCREW QUANTITY TO BE PROVIDED PER LAG SCHEDULE
- 27 6-2X12X30" LONG SILL PADS @ 50 PSF,
8-2X12X30" LONG SILL PADS @ 50 PSF + 20 PSF



FOOTINGS AT ADJACENT BUILDING SEPARATION (4" SEPARATION)
10X
 F-8



4" BUILDING SEPARATION FOOTING 7
 F-8

WALDEN STRUCTURES & CONSTRUCTION (WS)
 ADJACENT BUILDING FOUNDATIONS
 SEE SHEET F-2 FOR DSA APPLICATION NUMBERS.
 NOTE: ADJACENT BUILDING PLAN DETAILS ARE PER EXISTING APPROVED DSA STOCKPILE PLANS


TABLE 1

Building Size	NUMBER OF LAGS PER BUILDING AT ADJACENT BUILDING LINES			
	50 PSF / 50 + 20 PSF / 100 PSF			
	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	4	6	6	9
36'x40'	6	9	9	13
48'x40'	8	12	12	17

TABLE 2

Building Size	NUMBER OF LAGS PER BUILDING AT ADJACENT BUILDING LINES			
	125 PSF			
	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	7	10	10	15
36'x40'	11	15	16	22
48'x40'	14	20	21	29

LAG SCHEDULE TABLES

SITE SPECIFIC APPROVAL	DSA PC STAMP PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	APPROVAL - PC ENGINEER OF RECORD  Date Signed: September 24, 2020	
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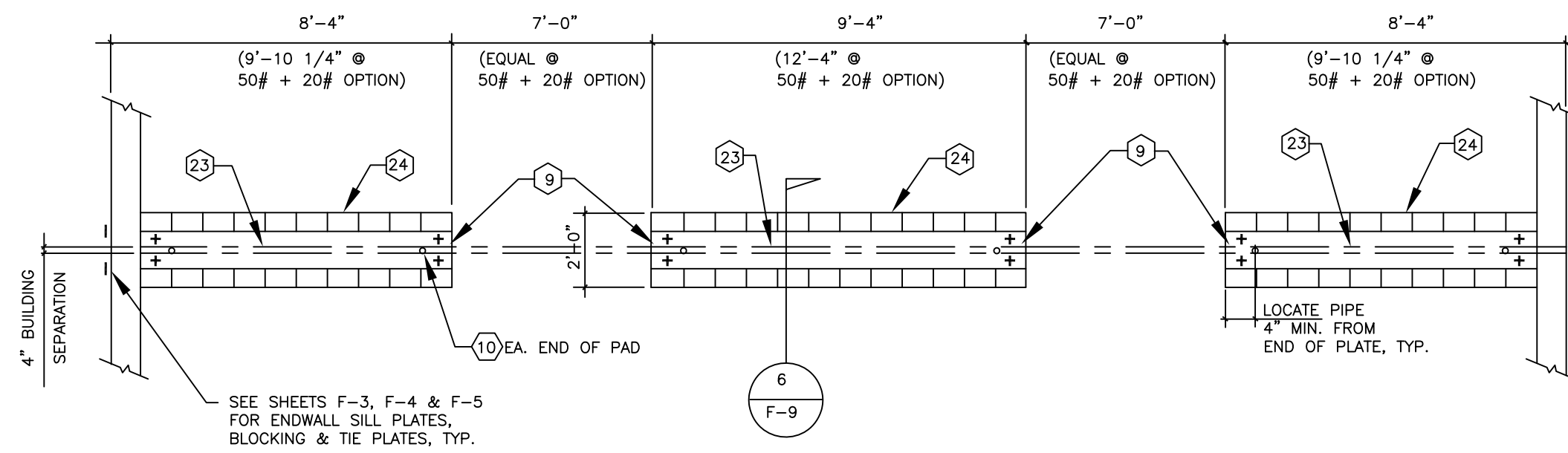
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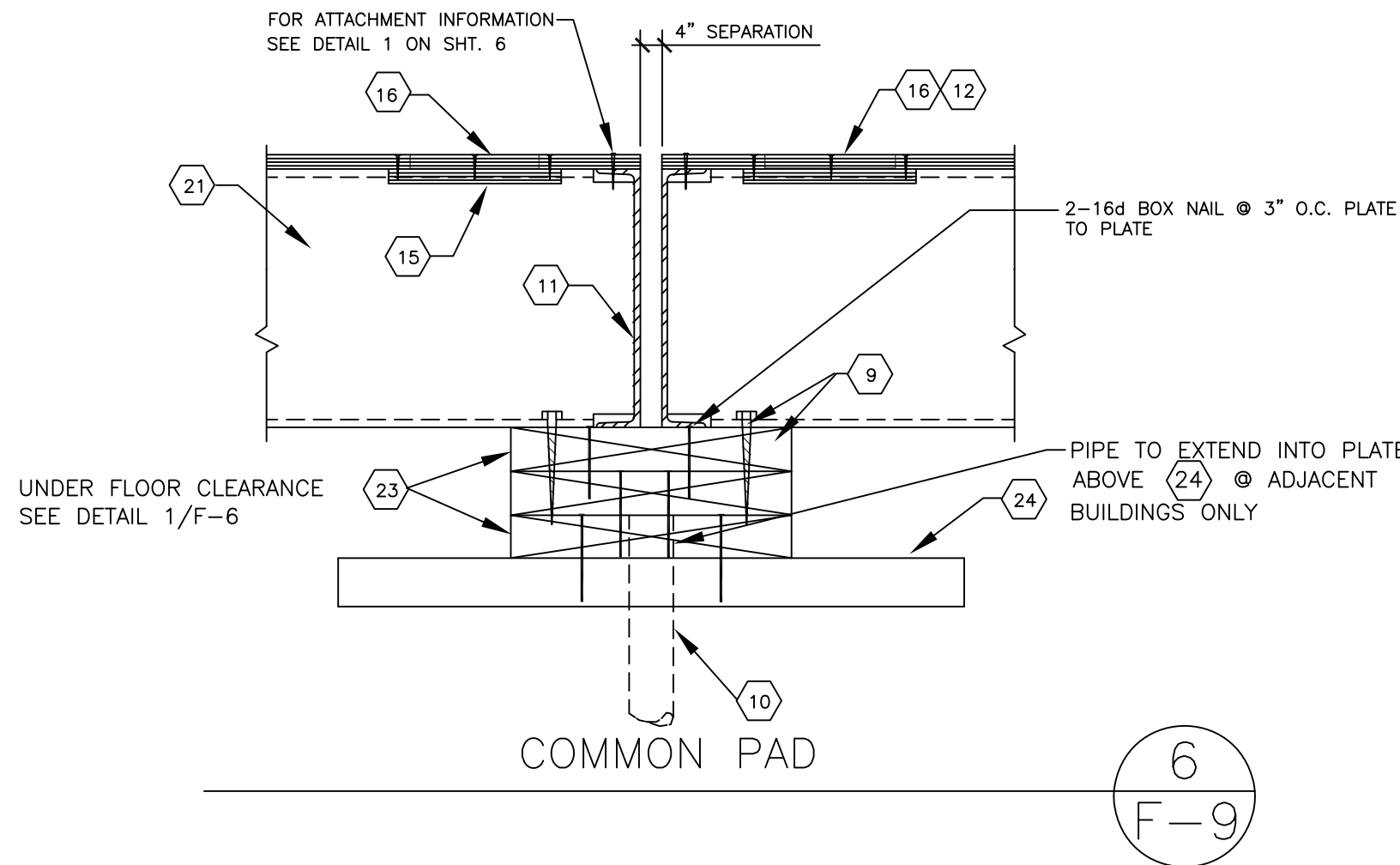
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DRAWN
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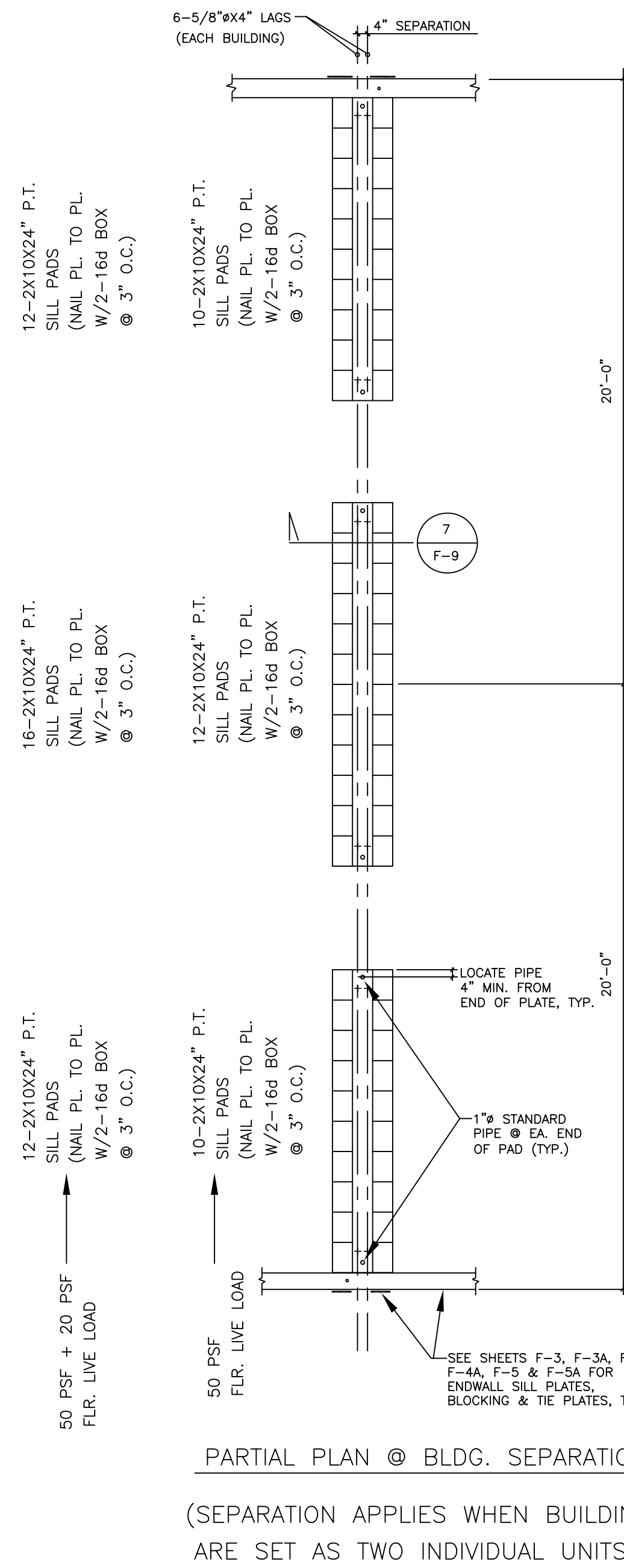
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11. STEEL FLOOR CHANNEL
12. 5" DIA. ACCESS HOLE AT MODULE CONNECTION BOLT LOCATIONS.
15. PLYWOOD STRIP - 3/4" X 3" X 8" PIECE W/(2) #12X 2-1/4" FLAT HEAD WOOD SCREWS EACH END.
16. PLUG - 5" DIA. PIECE OF FLOOR SHEATHING W/(2) #12X 2-1/4" FLAT HEAD WOOD SCREWS EA. END.
21. FLOOR JOIST OR BLOCK BETWEEN FLOOR JOIST.
23. CONTINUOUS 2X12X(SEE PLAN). NAIL(2) 16d AT EACH END AND 3" O.C.
24. 2X10X24" LONG SILL PADS. P.T.H.F. (SEE PLAN FOR QUANTITY (10) AT ENDS & (12) AT INTERIOR) @ 50# FLOOR LOAD, PROVIDE 12 AT ENDS AND 16 AT INTERIOR @ 50# + 20# FLOOR LOAD OPTION)



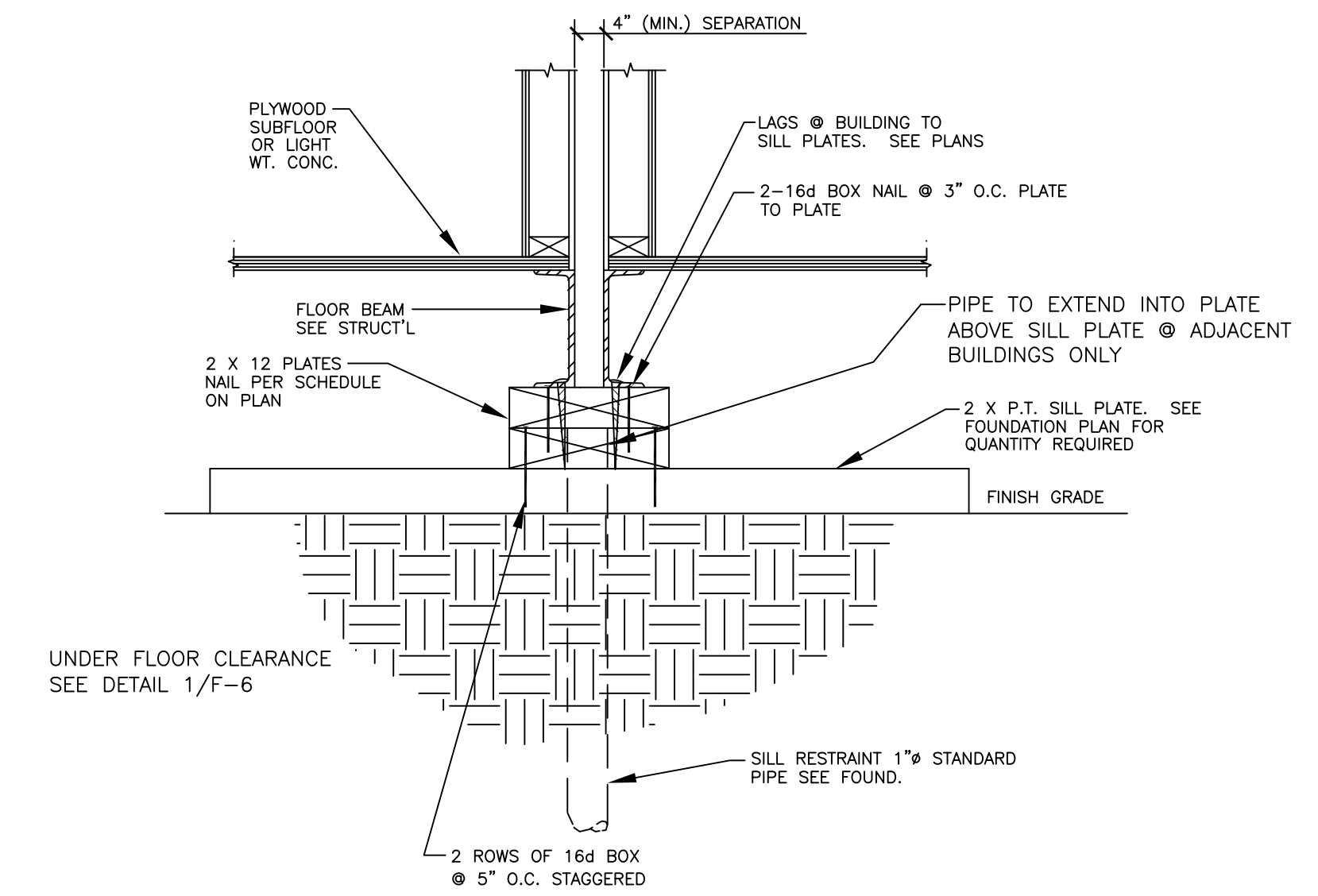
AURORA MODULAR INDUSTRIES, INC. (AU)
ADJACENT BUILDING FOUNDATIONS

SEE SHEET F-2 FOR DSA APPLICATION NUMBERS.
NOTE: ADJACENT BUILDING PLAN DETAILS ARE PER EXISTING APPROVED DSA STOCKPILE PLANS

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PARTIAL PLAN @ BLDG. SEPARATION
(SEPARATION APPLIES WHEN BUILDINGS ARE SET AS TWO INDIVIDUAL UNITS)



4" BLDG. SEPARATION @ FTG.
SILVER CREEK INDUSTRIES, INC. (SI)
ADJACENT BUILDING FOUNDATIONS
SEE SHEET F-2 FOR DSA APPLICATION NUMBERS.
NOTE: ADJACENT BUILDING PLAN DETAILS ARE PER EXISTING APPROVED DSA STOCKPILE PLANS

7
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TABLE 1

NUMBER OF LAGS PER BUILDING AT ADJACENT BUILDING LINES
50 PSF / 50 + 20 PSF / 100 PSF

Building Size	50 PSF		100 PSF	
	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
	5/8" x 4"		1/2" x 3-1/2"	
	Ss= 2.183	Ss= 3.08	Ss= 2.183	Ss= 3.08
24'x40'	4	6	6	9
36'x40'	6	9	9	13
48'x40'	8	12	12	17

TABLE 2

NUMBER OF LAGS PER BUILDING AT ADJACENT BUILDING LINES
125 PSF

Building Size	125 PSF		125 PSF	
	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
	5/8" x 4"		1/2" x 3-1/2"	
	Ss= 2.183	Ss= 3.08	Ss= 2.183	Ss= 3.08
24'x40'	7	10	10	15
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LAG SCHEDULE TABLES

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		Date Signed: September 24, 2020

EXL STRUCTURAL ENGINEERS, INC.

4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710

MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
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