

Relocation of 3 Relocatable Classrooms Egling Middle School

AT Colusa Unified School District

813 Webster Street, Colusa, CA 95932

Colusa

Colusa County

California

2022 CBC DESIGN NOTES - SITE SPECIFIC

SITE LOCATION	HEGLING ELEMENTARY SCHOOL 813 Webster Street Colusa, CA 95932																												
MANUFACTURE SITE SPECIFIC	SEE MANUFACTURERS SHEET																												
FLOOD HAZARD AREA	ZONE - X																												
WIND DESIGN DIRECTIONAL PROCEDURE	ASCE 7-16																												
ULTIMATE DESIGN WIND SPEED (3 SEC GUST)	V-94 MPH																												
WIND EXPOSURE FACTOR	C																												
RISK CATEGORY	II																												
SEISMIC DESIGN: SITE CLASS	D - default																												
SPECTRAL RESPONSE COEFFICIENTS	<table border="0"> <tr><td>S_s</td><td>0.74</td></tr> <tr><td>S₁</td><td>0.314</td></tr> <tr><td>F_a</td><td>1.208</td></tr> <tr><td>F_v</td><td>N/A</td></tr> <tr><td>S_{M1}</td><td>0.894</td></tr> <tr><td>S_{M2}</td><td>N/A</td></tr> <tr><td>S₀₁</td><td>0.596</td></tr> <tr><td>S₀₂</td><td>N/A</td></tr> <tr><td>T_L</td><td>8</td></tr> <tr><td>P_{GA}</td><td>0.319</td></tr> <tr><td>P_{GAM}</td><td>0.408</td></tr> <tr><td>P_{PGA}</td><td>1.281</td></tr> <tr><td>I_e</td><td>1</td></tr> <tr><td>C_v</td><td>1.17</td></tr> </table>	S _s	0.74	S ₁	0.314	F _a	1.208	F _v	N/A	S _{M1}	0.894	S _{M2}	N/A	S ₀₁	0.596	S ₀₂	N/A	T _L	8	P _{GA}	0.319	P _{GAM}	0.408	P _{PGA}	1.281	I _e	1	C _v	1.17
S _s	0.74																												
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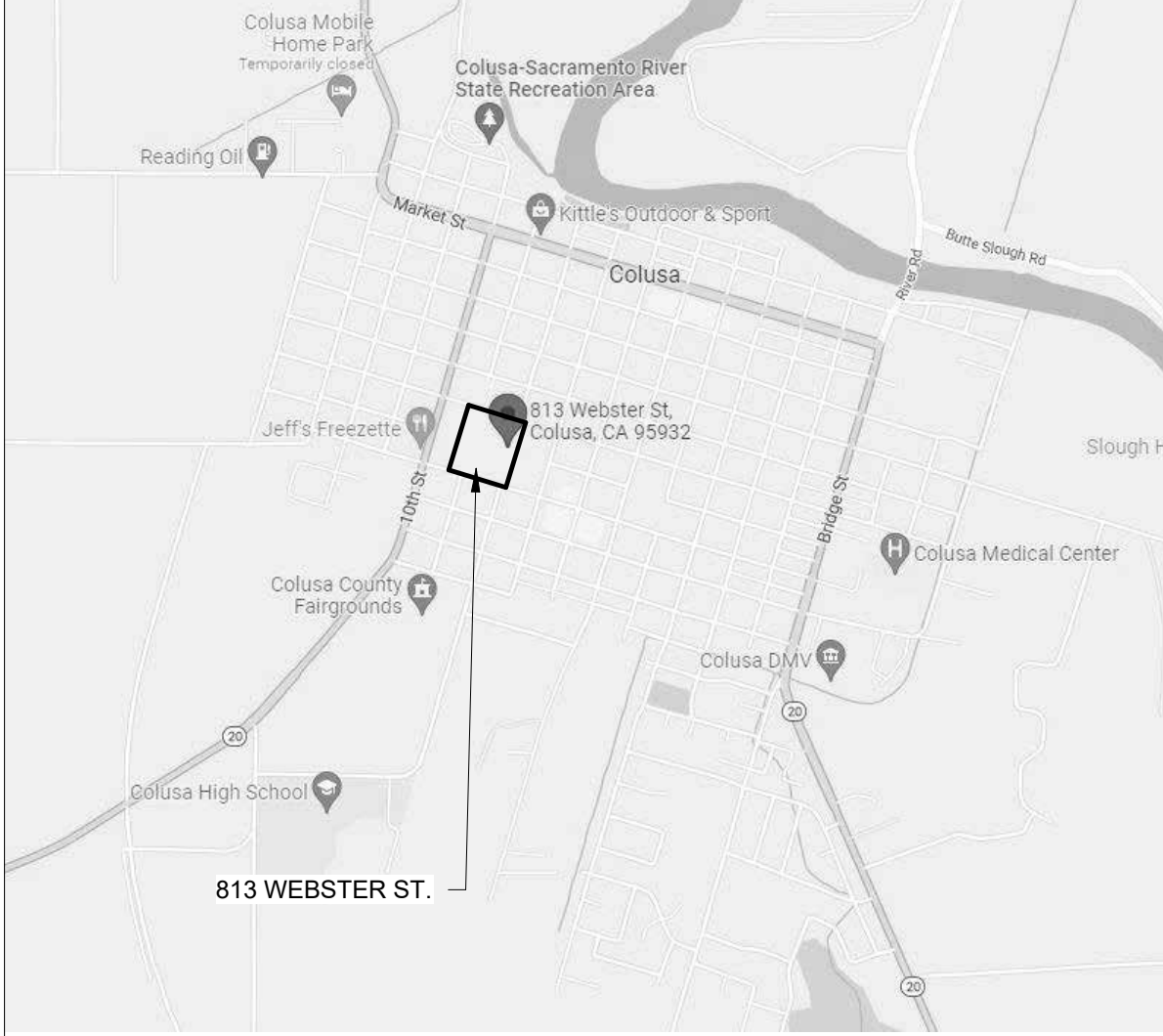
SPECIAL INSPECTION EXEMPTIONS

- HANDRAILS, GUARDRAILS AND MODULAR OR RELOCATABLE RAMPS ASSOCIATED WITH WALKING SURFACES LESS THAN 30" ABOVE ADJACENT GRADE (EXCLUDING POST BASE CONNECTIONS) PER CBC 1705A.2.1. FILLET WELDS SHALL NOT BE GROUND FLUSH.

GENERAL NOTES

- EXISTING CONDITIONS, PENETRATIONS AND DIMENSIONS SHOWN ARE DERIVED FROM ORIGINAL DRAWINGS (NOT RECORD DRAWINGS) AND LIMITED SITE SURVEYS, AND MAY NOT BE AS SHOWN. CONTRACTOR SHALL VISIT THE SITE AND VERIFY CONDITIONS PRIOR TO PROCEEDING WITH ANY CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ALL QUANTITIES. IF EXISTING CONDITIONS DO NOT ALLOW FOR DETAILS OF CONSTRUCTION AS SHOWN ON THE DRAWINGS, NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION. CONTRACTOR SHALL EXPOSE AND REVIEW EXISTING CONDITIONS IN A TIMELY MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE GENERATED WITHOUT DELAY TO THE PROJECT.
- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT ALL WORK IS IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, AND ALL OTHER APPLICABLE CODES AND REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHEREIN THE FINAL WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR)
- CONSTRUCTION SHALL COMPLY WITH CALIFORNIA CODE OF REGULATIONS INCLUDING THE FOLLOWING:
 - TITLE 24 PART 1 - 2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE
 - TITLE 24 PART 2 - 2022 CALIFORNIA BUILDING CODE (IBC W/ CA AMENDMENTS)
 - TITLE 24 PART 3 - 2022 CALIFORNIA ELECTRICAL CODE (NEC W/ CA AMENDMENTS)
 - TITLE 24 PART 4 - 2022 CALIFORNIA MECHANICAL CODE (UMC W/ CA AMENDMENTS)
 - TITLE 24 PART 5 - 2022 CALIFORNIA PLUMBING CODE (UPCW/ CA AMENDMENTS)
 - TITLE 24 PART 6 - 2022 CALIFORNIA ENERGY CODE (2022 CA ENERGY CODE)
 - TITLE 24 PART 9 - 2022 CALIFORNIA ELECTRICAL CODE (IFC W/ CA AMENDMENTS)
 - TITLE 24 PART 12 - 2022 CALIFORNIA REFERENCED STANDARD CODE
 - TITLE 19 - CALIFORNIA FIRE MARSHAL REGULATIONS
 - FEDERAL AMERICANS WITH DISABILITIES ACT
 - ACCESSIBLE ACCESSIBILITY GUIDELINES
 - NFPA 72 - NATIONAL FIRE ALARM CODE (2022 EDITION W/ CA AMENDMENTS)
 - NFPA 13 - 2022 WITH CA AMENDMENTS
- NO MODIFICATIONS, SUBSTITUTIONS, OR DEVIATIONS FROM THE APPROVED DOCUMENTS SHALL BE PERMITTED WITHOUT AN ADDENDA OR CONSTRUCTION CHANGE DIRECTIVE (CCD) AND SHALL ABE APPROVED BY THE ARCHITECT DIVISION OF THE STATE. AS REQUIRED BY SECTION 4-338 PART 1, TITLE 24 CCR.
- CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND DEPTH OF EXISTING UTILITIES PRIOR TO START OF WORK. IMMEDIATELY NOTIFY THE ARCHITECT IF EXISTING UTILITIES ARE ENCOUNTERED IN THE PATH OF CONSTRUCTION. THE CONTRACTOR SHALL PROMPTLY REPAIR EXISTING UTILITIES DAMAGED DURING THE COURSE OF WORK AS DIRECTED BY THE ARCHITECT.
- ALL NEW ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE C.E.C.
- THE DISTRICT WILL EMPLOY A CLASS 1 & RBIP, DSA CERTIFIED INSPECTOR, APPROVED BY THE DSA TO OBSERVE THE PROGRESS OF, SECTION 4-342, THE WORK. HIS DUTIES WILL INCLUDE ALL ITEMS OF TITLE 24, PART 1 CCR AND THE FOLLOWING:
 - REJECTION OF ANY MATERIAL NOT CONFORMING TO REQUIREMENTS OF CONTRACT DOCUMENTS AND TITLE 24.
 - PREPARATION OF COMPLETE AND DETAILED PUNCH LIST PRIOR TO ARCHITECTS FINAL OBSERVATION.
 - COMPLIANCE AND MAINTENANCE OF "AS-BUILT" DRAWINGS OF FINAL LOCATION OF FINAL CONCEALED AND BELOW GRADE MECHANICAL AND ELECTRICAL LINES.
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS REQUIRED FOR THE PROJECT.
- ADDENDA SHALL BE APPROVED BY DSA AND THE ARCHITECT.
- SUBSTITUTIONS OF PRODUCTS OR COMPONENTS WHICH CHANGE THE STRUCTURAL OR FIRE AND LIVE-SAFETY PERFORMANCE, OR THE ACCESSIBILITY OF THE DESIGN SHALL BE SUBMITTED TO DSA AS A CCD FOR REVIEW & APPROVAL. PER DSA IR A-6.
- ALL WORK SHALL COMPLY WITH CFC Ch 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
- FABRICATION & INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATION & ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVAL BY DSA.
 - DEFERRED SUBMITTAL ITEMS: NONE
- PROJECT CONDITIONS:
 - A. THE CONTRACTOR IS PRESUMED TO HAVE VISITED THE SITE AND FAMILIARIZED HIMSELF WITH EX-EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL NOT BE RELIEVED OF LIABILITY UNDER THE CONTRACT FOR ANY LOSS SUSTAINED AS A RESULT OF ANY VARIANCE BETWEEN CONDITIONS INDICATED BY OR DEDUCED FROM THE DRAWINGS AND THE ACTUAL CONDITIONS ENCOUNTERED DURING THE COURSE OF THE WORK.
 - B. THE CONTRACTOR SHALL, UPON BECOMING AWARE OF SURFACE AND/OR SUBSURFACE CONDITIONS DIFFERING FROM THOSE DISCLOSED BY THE DRAWINGS, PROMPTLY NOTIFY THE OWNER AS TO THE NATURE AND EXTENT OF THE DIFFERING CONDITIONS, FIRST VERBALLY TO PERMIT VERIFICATION OF THE CONDITIONS AND THEN IN WRITING. NO CLAIM BY THE CONTRACTOR FOR ANY CONDITIONS DIFFERING FROM THOSE ANTICIPATED IN THE PLANS AND SPECIFICATIONS WILL BE ALLOWED UNLESS THE CONTRACTOR HAS NOTIFIED THE OWNER'S REPRESENTATIVE VERBALLY AND IN WRITING, AS REQUIRED ABOVE, OF SUCH CHANGED CONDITIONS.
 - C. EXISTING UTILITIES: DO NOT INTERRUPT UTILITIES SERVING FACILITIES OCCUPIED BY OWNER OR OTHERS UNLESS PERMITTED IN WRITING BY ARCHITECT AND THEN ONLY AFTER ARRANGING TO PROVIDE TEMPORARY UTILITY SERVICES ACCORDING TO REQUIREMENTS INDICATED.
 - NOTIFY ARCHITECT NOT LESS THAN TWO DAYS IN ADVANCE OF PROPOSED UTILITY INTERRUPTIONS.
 - DO NOT PROCEED WITH UTILITY INTERRUPTIONS WITHOUT ARCHITECT'S WRITTEN PERMISSION.
 - CONTACT UTILITY-LOCATOR SERVICE FOR AREA WHERE PROJECT IS LOCATED BEFORE EXCAVATING.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

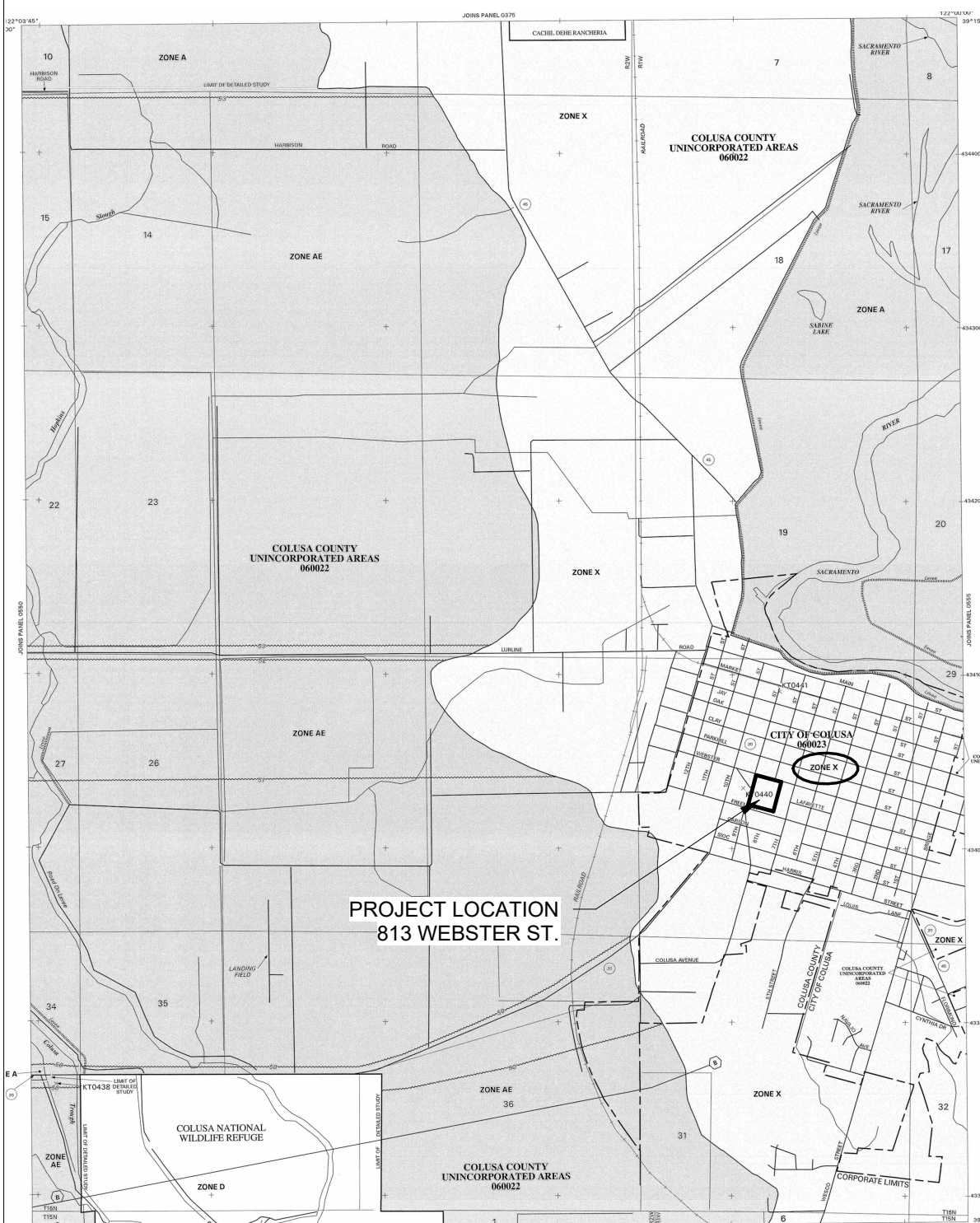
VICINITY MAP



FLOOD ZONE DETERMINATION

- FLOOD ZONE DESIGNATION: ZONE X
- FLOOD INSURANCE RATE MAP (FIRM) PARCEL DESIGNATION: 06011C0535F
- EFFECTIVE DATE OF FIRM: 5/15/2003

FLOOD MAP



EXISTING BUILDING CODE ANALYSIS

SITE ADDRESS:	813 WEBSTER STREET COLUSA, CA 95932
GROUP 1	
EXISTING P-1 MODULAR 24x40 CLASSROOM BLDG	
OCCUPANCY	E
TYPE OF CONSTRUCTION	V-B
BUILDING AREA	960 SF
BLDG. OVERHANG AREA	168 SF
TOTAL BLDG. & OVERHANG AREA	1,128 SF
BUILDING HEIGHT	12'-2"
ALLOWABLE BUILDING HEIGHT	60'-0" MAX.
FIRE SPRINKLERS	YES
OCCUPANT LOAD	CLASSROOM 1 OCCUPANT PER 20 SF 960 SF / 20 SF = 48 OCCUPANTS
NEW P-2 MODULAR 24x40 CLASSROOM BLDG	
OCCUPANCY	E
TYPE OF CONSTRUCTION	V-B
BUILDING AREA	960 SF
BLDG. OVERHANG AREA	168 SF
TOTAL BLDG. & OVERHANG AREA	1,128 SF
BUILDING HEIGHT	12'-2"
ALLOWABLE BUILDING HEIGHT	60'-0" MAX.
FIRE SPRINKLERS	YES
OCCUPANT LOAD	CLASSROOM 1 OCCUPANT PER 20 SF 960 SF / 20 SF = 48 OCCUPANTS
NEW P-3 MODULAR 24x40 CLASSROOM BLDG	
OCCUPANCY	E
TYPE OF CONSTRUCTION	V-B
BUILDING AREA	960 SF
BLDG. OVERHANG AREA	168 SF
TOTAL BLDG. & OVERHANG AREA	1,128 SF
BUILDING HEIGHT	12'-2"
ALLOWABLE BUILDING HEIGHT	60'-0" MAX.
FIRE SPRINKLERS	YES
OCCUPANT LOAD	CLASSROOM 1 OCCUPANT PER 20 SF 960 SF / 20 SF = 48 OCCUPANTS
EXISTING P-4 MODULAR 24x40 CLASSROOM BLDG	
OCCUPANCY	E
TYPE OF CONSTRUCTION	V-B
BUILDING AREA	960 SF
BLDG. OVERHANG AREA	168 SF
TOTAL BLDG. & OVERHANG AREA	1,128 SF
BUILDING HEIGHT	12'-2"
ALLOWABLE BUILDING HEIGHT	60'-0" MAX.
FIRE SPRINKLERS	YES
OCCUPANT LOAD	CLASSROOM 1 OCCUPANT PER 20 SF 960 SF / 20 SF = 48 OCCUPANTS
TOTAL EXISTING NEW BUILDINGS	
P-1 NEW CLASSROOM BLDG	1,128 SF
P-2 NEW CLASSROOM BLDG	1,128 SF
P-3 NEW CLASSROOM BLDG	1,128 SF
P-4 NEW CLASSROOM BLDG	1,128 SF
TOTAL NEW BUILDINGS	4,512 SF
BASIC ALLOWABLE AREA TABLE 503	9,500 SF
BASIC ALLOWABLE AREA SUMMARY	4,512 SF < 9500SF OK (0.47)
GROUP 2	
NEW P-13 MODULAR 24x40 CLASSROOM BLDG	
OCCUPANCY	E
TYPE OF CONSTRUCTION	V-B
BUILDING AREA	960 SF
BLDG. OVERHANG AREA	168 SF
TOTAL BLDG. & OVERHANG AREA	1,128 SF
BUILDING HEIGHT	12'-2"
ALLOWABLE BUILDING HEIGHT	60'-0" MAX.
FIRE SPRINKLERS	YES
OCCUPANT LOAD	CLASSROOM 1 OCCUPANT PER 20 SF 960 SF / 20 SF = 48 OCCUPANTS
TOTAL NEW BUILDINGS	
P-13 NEW CLASSROOM BLDG	1,128 SF
TOTAL NEW BUILDINGS	1,128 SF
BASIC ALLOWABLE AREA TABLE 503	9,500 SF
BASIC ALLOWABLE AREA SUMMARY	1,128 SF < 9500SF OK (0.12)

PROJECT DIRECTORY

COLUSA UNIFIED SCHOOL DISTRICT CONTACT: JAMIE LAY 745 10TH STREET COLUSA, CA 95932 PHONE: 530-701-2311 EMAIL: jamie.lay@colusa.k12.ca.us	ELECTRICAL ENGINEER CONTACT: DIRK HOFHEINZ DPH & ASSOCIATES ELECTRICAL ENGINEERING LLC P.O. BOX 1362 MEADOW VISTA, CA 95722 PHONE: 530-613-7966 LICENSE: E16365 EMAIL: dtheng@att.net
ARCHITECT CONTACT: ALAN CHAMBERS EAGLE ARCHITECTS 169 PICHOLINE WAY CHICO, CA 95928 PHONE: 530-898-0123 LICENSE: C18899 EMAIL: alan@eaglearchitects.com	MECHANICAL ENGINEER CONTACT: SCOTT TURNBULL ME SYSTEMS ENGINEERING, INC. 5098 FOOTHILLS BLVD. SUITE 3 PMB 382 ROSEVILLE, CA. 95747 PHONE: 916-774-6330 LICENSE: M-33897 EMAIL: sturnbull@mesystems.com

SHEET LIST

STATEMENT OF GENERAL CONFORMANCE THESE DRAWINGS AND/OR SPECIFICATIONS AND/OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS WHO ARE LICENSED AND AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME. THE ITEMS LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELEGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK). THIS STATEMENT OF GENERAL CONFORMANCE SHALL NOT BE CONSTRUED AS RELIEVING BE OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTION 4-336, 3-341, AND 4-344 OF THE TITLE 14, PART 1.	TOTAL SHEETS: 40
<ul style="list-style-type: none"> CONSULTANTS <ul style="list-style-type: none"> PLUMBING DRAWINGS ELECTRICAL DRAWINGS FIRE ALARM RELOCATABLE MANUFACTURER & RAMP DRAWINGS 	3/19/2024
<p>ALAN CHAMBERS, ARCHITECT</p> <p>DATE LICENSE NO: C-18899 EXPIRES: JAN. 2025</p>	
ARCHITECTURAL	
T-1.0 COVER SHEET	
FLS-1 LOCAL FIRE ACCESS SITE PLAN	
SP-1 NEW CAMPUS PLAN	
SP-2 PARTIAL DEMO & NEW SITE PLAN	
SP-3 PARTIAL GRADING SITE PLAN	
D-1 DETAILS	
D-2 DETAILS	
PLUMBING	
P0.1 PLUMBING SCHEDULES, DETAILS, AND LEGEND	
P1.1 ENLARGED DEMOLITION PLUMBING SITE PLAN	
P1.2 ENLARGED NEW PLUMBING SITE PLAN	
P2.1 PLUMBING DETAILS	
ELECTRICAL	
E0.1 ABBREVIATIONS, SYMBOLS, SCHEDULES & NOTES	
E1.1 POWER & SIGNAL PLAN	
E1.2 PHOTOMETRIC PLAN	
E2.0 SINGLE LINE, SCHEDULES & DETAILS	
FIRE ALARM	
FA-01 FIRE ALARM SITE	
FA-02 FIRE ALARM PLAN	
FA-03 ONE-LINE, CALCS & DETAILS	
GLOBAL MODULAR INC. SITE SPECIFIC	
A0.0-R TITLE SHEET	
A1.0-R FLOOR PLAN	
DESIGNED MOBILE SYSTEMS INDUSTRIES, INC.	
(3) 24x40 MODULAR CLASSROOM BUILDING FROM DSA APPL. NO. 01-101574	
BLDG. SERIAL NO.	
BLDG P-2: 20-820 1/2	
BLDG P-3: 20-821 1/2	
BLDG P-13: 20-822 1/2	
COLUSA UNIFIED SCHOOL DISTRICT	
C COVER SHEET	
1 FLOOR PLAN & ELEVATIONS	
2 BUILDING SECTION & DETAILS	
3 FLOOR FRAMING PLAN & DETAILS	
4 END WALL FRAMING ELEVATIONS & DETAILS	
5 SIDE WALL FRAMING & ELEVATIONS	
6 TRUSS ELEVATION & DETAILS	
7 ROOF FRAMING PLAN & DETAILS	
8 SPECIFICATIONS	
9 MECHANICAL & ELECTRICAL PLAN	
9A MECHANICAL & ELECTRICAL DETAILS	
10 WOOD FOUNDATION PLAN & DETAILS	
11 WOOD FOUNDATION DETAILS	
RAMP & LANDING PLAN - PC - 02-120787	
R0.0 TITLE SHEET	
R0.1 RAMP & LANDING DETAILS	
R0.2 RAMP & LANDING DETAILS	
R0.3 RAMP & LANDING DETAILS	
R0.8 DSA DOCUMENTS	
R2.0 RAMP & LANDING PLAN (FREE STANDING ASSEMBLY)	
R7.0 OPTIONAL MODULAR RAMP AND LANDING PLANS	

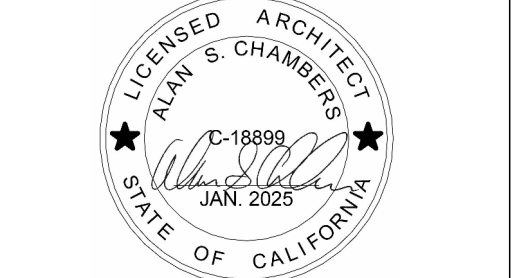
SCOPE OF WORK

- PREPARE SITE FOR THE RELOCATION OF THREE MODULAR BUILDINGS
- SITE WORK DEMOLITION
 - REMOVAL OF THREE (3) EXISTING RELOCATABLE BUILDINGS
 - REMOVAL OF EXISTING CONCRETE RAMP AND HAND RAILS
 - REMOVAL OF TWO EXISTING METAL RAMP, LANDING AND HANDRAILS
- SITE WORK SHALL INCLUDE THE FOLLOWING:
 - BUILDING PAD
 - ELECTRICAL POWER CONNECTION
 - EXTERIOR SIGNAGE
 - RAMPS AND CONCRETE LANDINGS
 - PATH OF TRAVEL UPGRADES
 - FIRE ALARM DEVICES AND ANY NECESSARY ALARM UPGRADES
- PROVIDE NEW OR REPLACEMENT OF EXISTING EGRESS PATH OF TRAVEL LIGHTING
- ALTERATIONS TO RELOCATABLE BUILDING AS NOTED ON A0.0-PS



169 Picholine Way
Chico, CA 95928
530-898-0123

ALAN CHAMBERS
Architect



Relocation of 3 Relocatable Classroom buildings
at
EGLING MIDDLE SCHOOL
813 Webster Street
Colusa, CA 95932
for
COLUSA UNIFIED SCHOOL DISTRICT
COLUSA COUNTY
CALIFORNIA

No.	Description	Date

COVER SHEET

Project number	2345
Date	3/19/24
Drawn by	KC
Checked by	AC

T1.0
Scale

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

PROJECT INFORMATION table with fields for School District/Owner, Project Name/School, and Project Address.

FIRE & LIFE SAFETY INFORMATION table with questions regarding fire hydrant flow tests, FHSZ locations, and Wildland Interface Area (WIFA).

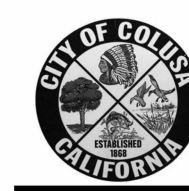
Table with columns: CONDITION MEANS AND METHODS RESOLUTION, ALTERNATE ACCEPTED (Yes, No, N/A, N/R). Rows 4-7a detailing fire hydrant and emergency vehicle access requirements.

School District Acceptance of Acceptable Design Alternates. By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements...

Accepted by: Scott Lantsberger Title: Chief Business Official. Signature and Date: 03/11/24.

LOCAL FIRE AUTHORITY (LFA) INFORMATION table with fields for LFA Agency Name, LFA Review Official, Title, and Work Email.

LFA Reviewer's Signature: Logan Conley Date: 03/11/24.



Fire Hydrant Flow Test results

Contact Information:

Name: Jesse Cain Date: 2/21/2024. Organization: City of Colusa. Address: 425 Webster Street Phone Number: (530)682-2933. Email Address: citymanager@cityofcolusa.com

Location on Webster st. in front of Eglings MS, hydrant size 8 inch main outlet Static pressure 55psi, residual pressure 43psi, flow rate 1100gpm. Tested on 2/21/2024, we do not draw down the psi to 20psi to obtain fire flow due to age of the water system it may cause damage.

Please let me know if this will work.

Thanks Jesse Cain



DSA Sacramento Region Office 1102 Q St Suite 5100 Sacramento, CA

Re: Colusa Eglings Middle School Classrooms Project

To whom it may concern,

The Colusa Fire Department recently completed a Fire and Life Safety Review of a proposed construction project for the Colusa Eglings Middle School.

A fire hydrant flow test was conducted at the hydrant located on Webster Street, in front of the proposed project sight. The hydrant main is fed by an 8 inch outlet and maintains a static pressure of 55psi, and residual pressure of 43psi. Flow rate was 1100gpm, tested on 02-21-2024. Our local water department did not draw down to 20psi due to the fear of damaging the water system in the city. The city is on a looped system and it takes multiple points of flow to draw our local water system down to the 20psi mark.

Regarding fire flow, as per section BB103 of the 2019 California Fire Code, Colusa Fire would utilize our master mutual aid system within the county and dispatch water tenders from Colusa County Fire Agencies and conduct water shuttle operations to provide supplemental fire flow at this location.

Should you have further questions, please do not hesitate to contact me at the number provided below.

Sincerely, Logan Conley Fire Chief Colusa Fire Department. (530) 458-7721

750 Market Street, Colusa CA 95932 - Office: (530) 458-7721 - Dept. Email: CFD@ColusaFire.org

BUILDING DATA table with columns: BLDG UNIT, DESCRIPTION, OCCUPANCY, DSA APP. NO. Lists various classroom, admin, and solar array units.

FIRE ACCESS NOTES

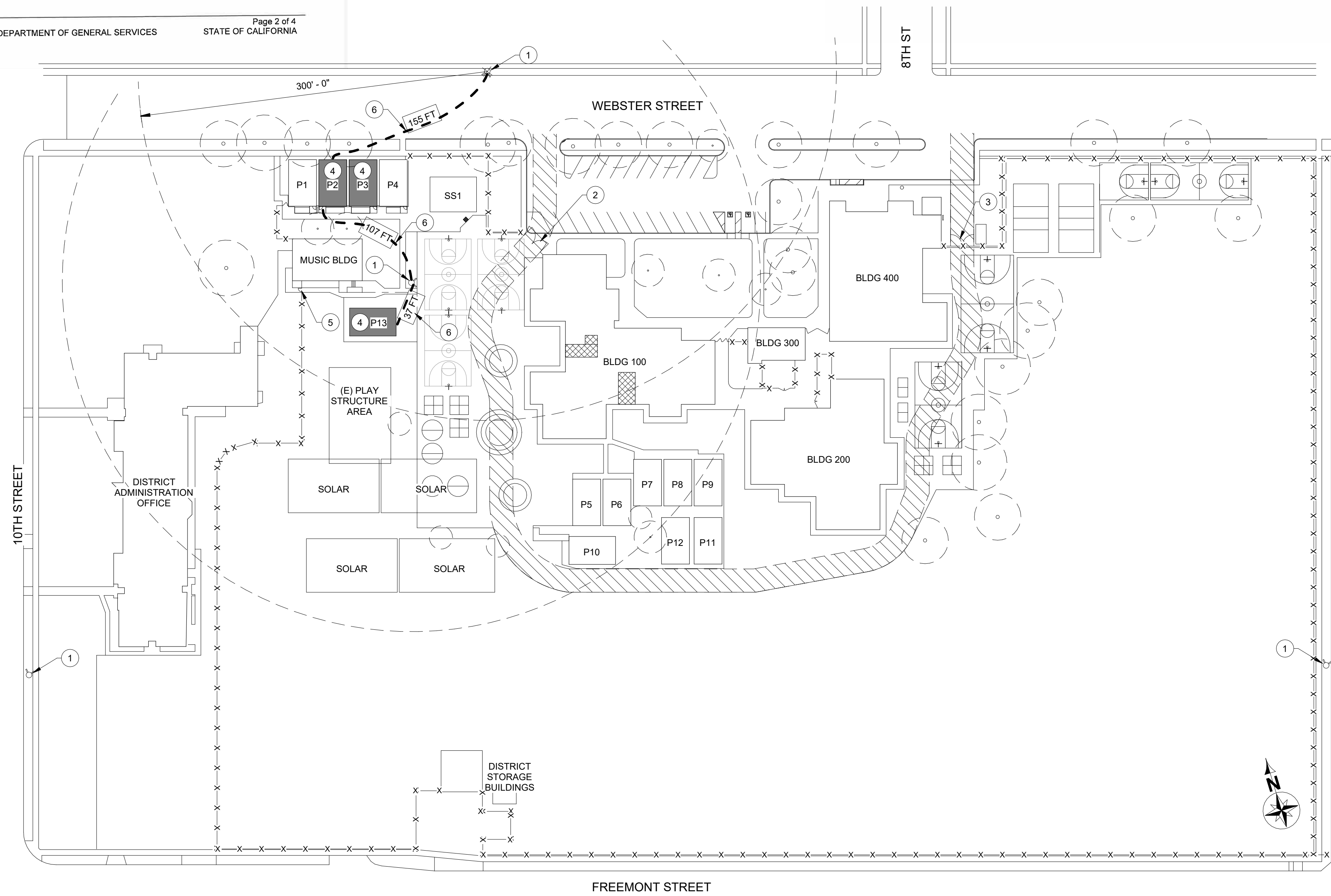
- 1. SEE SP-1 AND D-1 FOR COMPLIANCE W/ CBC 705.2
2. SEE EGRESS PATH OF TRAVEL TO PUBLIC WAY ON SP-2
3. SEE EGRESS LIGHTING FOR PATH OF TRAVEL ON E12

FIRE ACCESS LEGEND

- EXISTING BUILDING OR SOLAR
RELOCATED MODULAR BLDG
EXISTING 20'-0" MINIMUM CLEAR WITH 13'-6" VERTICAL CLEARANCE AND CAPABLE OF SUPPORTING FIRE APPARATUS LOADS
EXISTING FIRE HYDRANT
TRAVEL DISTANCE PER CFC 705.5.1

FIRE ACCESS KEYNOTES

- 1 EXISTING FIRE HYDRANT
2 EXISTING PAIR OF 10' - 0" WIDE (20' - 0" TOTAL WIDTH) 6' - 0" HIGH CHAIN LINK FIRE ACCESS GATES W/ KNOX BOX, SIGN ON BOTH GATES "FIRE ACCESS ONLY - NO PARKING", GATE IS TO REMAIN UNLOCKED AT ALL TIMES
3 EXISTING PAIR 10' - 0", WIDE 6' - 0" (TOTAL WIDTH 20' - 0") HIGH CHAIN LINK GATE W/ KNOX BOX
4 NEW RELOCATABLE BUILDING
5 EXISTING 3' - 0" WIDE 6' - 0" HIGH ACCESSIBLE CHAIN LINK GATE W/ PANIC HARDWARE
6 TRAVEL DISTANCE FROM FIRE HYDRANT TO ROUTE AROUND THE EXTERIOR OF THE BUILDING PER CFC 705.5.1, SEE DIMENSIONS ON PLAN

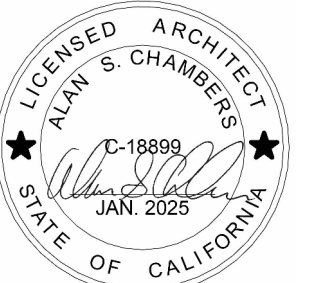


1 FIRE ACCESS SITE PLAN 1" = 60'-0"



169 Picholine Way Chico, CA 95928 530-898-0123

ALAN CHAMBERS Architect



Relocation of 3 Relocatable Classroom buildings at EGLING MIDDLE SCHOOL 813 Webster Street Colusa, CA 95932 for COLUSA UNIFIED SCHOOL DISTRICT COLUSA COUNTY CALIFORNIA

Table with columns: No., Description, Date

LOCAL FIRE ACCESS SITE PLAN

Project number 2345 Date 3/19/24 Drawn by KC Checked by AC

FLS-1

Scale As indicated

BUILDING DATA			
BLDG UNIT	DESCRIPTION	OCCUPANCY	DSA APP. NO.
BLDG 100	CLASSROOM	E	37930, 02-114558, 02-114730
BLDG 200	CLASSROOM	E	37930, 02-114558
BLDG 300	ADMIN OFFICE	B	37930, 02-114558
BLDG 400	MULTI-USE/GYM	A-2	37930, 02-114558, 02-121107
MUSIC BLDG	MUSIC BUILDING	E	2182, 02-114558
P1	RELOCATABLE CLASSROOM	E	50767, 02-114558
P2	RELOCATABLE CLASSROOM	E	52370, 02-114558
P3	RELOCATABLE CLASSROOM	E	52779, 02-114558
P4	RELOCATABLE CLASSROOM	E	02-114730
P5	RELOCATABLE CLASSROOM	E	58001, 02-114558
P6	RELOCATABLE CLASSROOM	E	58001, 02-114558
P7	RELOCATABLE CLASSROOM	E	55827, 02-114558
P8	RELOCATABLE CLASSROOM	E	55827, 02-114558
P9	RELOCATABLE CLASSROOM	E	55827, 02-114558
P10	RELOCATABLE CLASSROOM	E	55827, 02-114558
P11	RELOCATABLE CLASSROOM	E	02-114730
SA-1	SOLAR ARRAYS		02-119482
SA-2	SOLAR ARRAYS		02-119483
SA-3	SOLAR ARRAYS		02-119484
SA-4	SOLAR ARRAYS		02-119485
SS-1	SHADE STRUCTURE	A-3	02-120055

SITE PARKING ANALYSIS (CBC TABLE 11B-208.2.4)						
LOCATION	TOTAL STALLS	TOTAL ACCESSIBLE STALLS REQ'D		TOTAL ACCESSIBLE STALLS PROVIDED		DSA APPL. NO.
		STANDARD	VAN	STANDARD	VAN	
AA	26	N/A	1	1	1	02-114730

EXISTING ACCESSIBLE PARKING STALL CALCULATION

TOTAL PARKING STALL COUNT: 26 STALLS
 ACCESSIBLE PARKING STALLS (TABLE 11B-6): 1 (25 TOTAL STALLS)
 REQUIRED ACCESSIBLE STALLS: 1 (1 - 6 ACCESSIBLE STALLS)
 REQUIRED VAN ACCESSIBLE STALLS: 2 TOTAL (1 STANDARD & 1 VAN)
 ACCESSIBLE STALLS PROVIDED: 2 TOTAL (1 STANDARD & 1 VAN)

GENERAL SHEET NOTES

- 11B-202.4: ACCESSIBLE ROUTE TO RESTROOMS, COMPLIANT HILO DRINKING FOUNTAINS, ACCESSIBLE PARKING AND PUBLIC WAY. AREA OF WORK
- REVISED DSA APPLICATION ALL PREVIOUS PROJECTS HAVE BEEN CERTIFIED

NOTES

- DESIGNER HAS SURVEYED/INSPECTED THE (P.O.T.) PATH OF TRAVEL AS SHOWN ON THE PLANS WHICH COMPLIES AS INDICATED. THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS.
- DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-COMPLYING 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.
- SITE IS RELATIVE FLAT AND ACCESSIBLE TO PERSONS WITH DISABILITIES. SHALL BE BARRIER FREE AND ACCESSIBLE TO PERSONS WITH DISABILITIES. PER SECTION 11B-403. PATH OF TRAVEL AS INDICATED IS A BARRIER FREE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL. THE P.O.T. IS A MINIMUM OF 48" WIDE, SLIP RESISTANT SURFACE WITH 5% MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL AND 2% MAXIMUM CROSS SLOPE. THERE IS NO DROP-OFF OVER 4" AT THE EDGE OF WALK OR LANDING. ARCHITECT AD CONTRACTOR SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED P.O.T. HAVE BEEN REMOVED. ALL PEDESTRIAN GATES ALONG THE "ACCESSIBLE" PATH OF TRAVEL, ALL NEW AND EXISTING PEDESTRIAN GATES SHALL HAVE AN "ACCESSIBLE" APPROVED LATCH (LEVER) HARDWARE AND A KICK PLATE THAT IS A SOLID SMOOTH SURFACE AT THE BOTTOM 10" OF THE GATE.

ACCESSIBLE SITE KEYNOTES

- EXISTING UNAUTHORIZED TOW AWAY SIGN
- EXISTING UNISEX STAFF TOILET ROOM
- EXISTING BOYS TOILET ROOM
- EXISTING GIRLS TOILET ROOM
- EXISTING MENS STAFF TOILET ROOM
- EXISTING WOMENS STAFF TOILET ROOM
- EXISTING ACCESSIBLE LOADING/DROP OFF AREA
- NEW PAINTED ACCESSIBLE & VAN ACCESSIBLE PARKING STALLS, LOADING STRIPING AND "NO PARKING", SEE 2/D-2
- NEW VAN ACCESSIBLE SIGN MOUNTED ON NEW POLE, SEE 1/D-2 AND 12/D-1
- REPLACE (E) POLE LIGHT HEAD WITH NEW, SEE ELEC DWGS
- (N) POLE LIGHT AND CONCRETE BASE, SEE ELEC DWGS

SITE LEGEND

- EXISTING BUILDING, NOT MODIFIED
- EXISTING ACCESSIBLE RESTROOM
- NEW RELOCATED MODULAR BUILDING (AREA OF WORK)
- ACCESSIBLE PATH OF TRAVEL

DESIGN PROFESSIONAL ACCESS COMPLIANCE STATEMENT

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATES:

THE PATH OF TRAVEL (POT) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBLE PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTION OF POT THAT WERE DETERMINED TO BE NON-COMPLIANT HAVE:

- BEEN IDENTIFIED ON THESE PLANS.
- THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THE PROJECT WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.

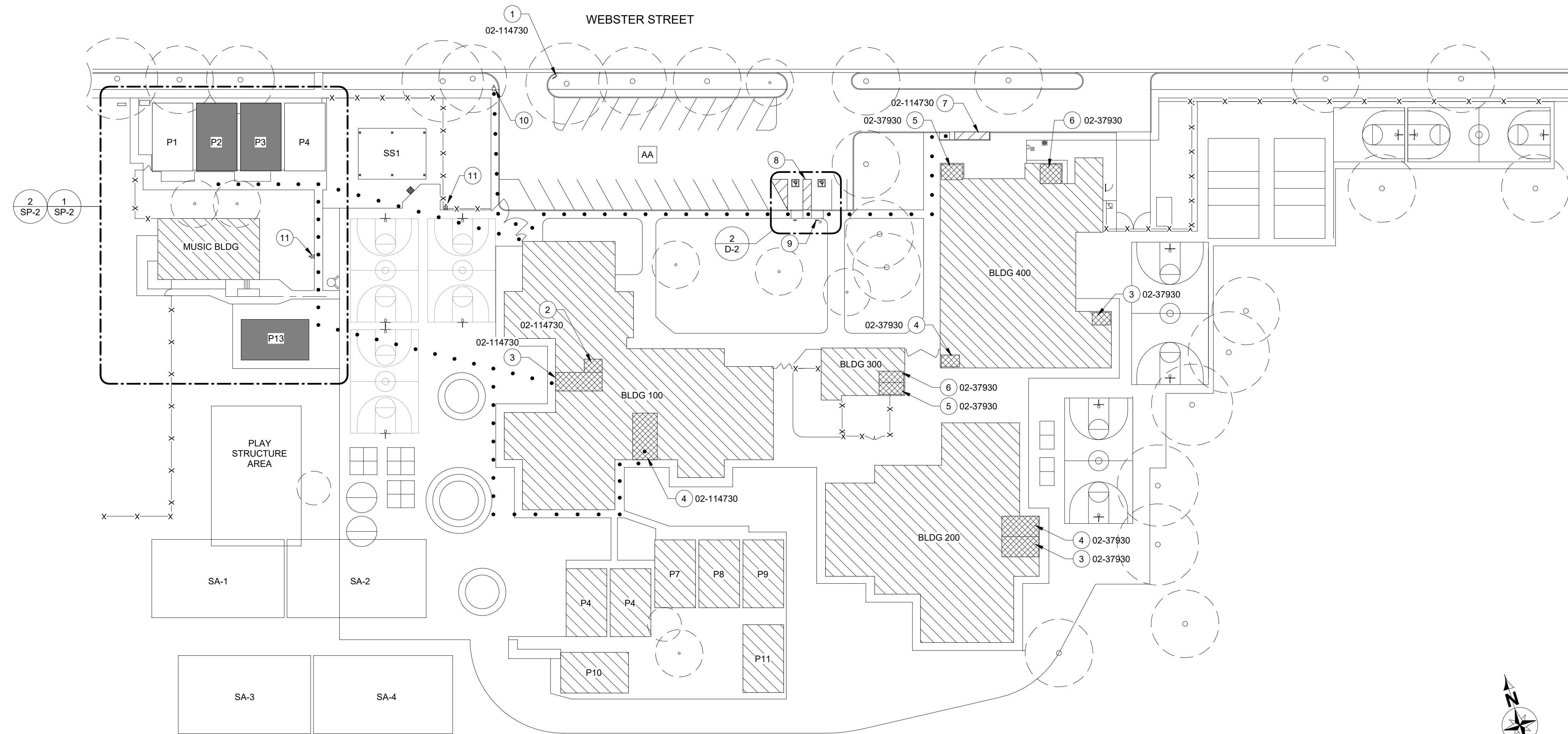
ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTION OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP AS SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

ACCESSIBLE ROUTE COMPLIANCE INCLUDE BUT ARE NOT LIMITED TO:

- AT LEAST 48 IN. WIDTH, OR AS APPROVED BY CONE
- WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING 1/4"
- WITH A FIRM, STABLE AND SLIP RESISTANT WALKING SURFACE
- WITH A RUNNING SLOPE OF 1:20 OR LESS
- WITH RUNNING LOPE OF CODE COMPLIANT RAMPS, NOT TO EXCEED 8.33% (1:12). (RAMP COMPLY WITH 11B-405)
- WITH REQUIRED LANDING AND LEVEL AREA WITH SLOPE 1:48 (1/4" / FT) OR LESS
- WITH A CROSS SLOPE OF 1:48 (1/4" / FT) OR LESS
- WITH OPENING IN DRAINS AND GRATES NOT TO EXCEED 1/2" IN PREDOMINANT DIRECTION OF TRAVEL
- IS FREE OF OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE WALKING SURFACE, AND
- IS FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE

THE EXISTING PARKING LOT A-A WAS LAST UPGRADED DECEMBER 2018. THE AOR HAS FIELD VERIFIED THAT ALL MARKINGS OF THE ACCESS AISLES AND ACCESSIBLE PARKING SPACES SERVING THE AREA OF ALTERATIONS HAVE BEEN MAINTAINED AND EASILY SEEN.

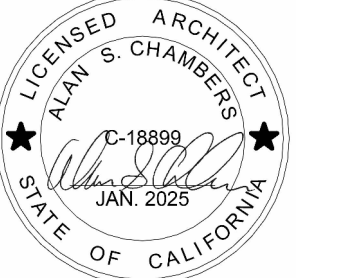


1 NEW CAMPUS PLAN
1" = 40'-0"



169 Picholine Way
Chico, CA 95928
530-898-0123

ALAN CHAMBERS
Architect



Relocation of 3 Relocatable Classroom buildings
at
EGLING MIDDLE SCHOOL
813 Webster Street
Colusa, CA 95932
for
COLUSA UNIFIED SCHOOL DISTRICT
COLUSA COUNTY
CALIFORNIA

No.	Description	Date

NEW CAMPUS PLAN

Project number	2345
Date	3/19/24
Drawn by	KC
Checked by	AC

SP-1

Scale As indicated

NEW SITE PLAN KEYNOTES

- (E) CONCRETE WALK TO REMAIN
- PATCH BACK EDGE OF (E) AC PAVING @ (N) PAVING
- (E) 6' - 0" HGT. CHAIN LINK FENCE TO REMAIN, TYP
- ASSUMED PROPERTY LINE
- (N) FIXED WOOD INFILL PANEL, SEE 8/D-1
- (N) OPERABLE WOOD INFILL PANEL, SEE 8/D-1
- NEW CONCRETE LANDING FOR METAL RAMP MINIMUM SIZE TO BE 6' - 0" x WIDTH OF RAMP. MAXIMUM SLOPE OF 2% IN EACH DIRECTION, SEE 11/D-1
- NOT USED
- (E) LIGHT FIXTURE TO BE REPLACED, PAINT BEHIND FIXTURE, COLOR TO MATCH (E) BLDG COLOR, SEE ELEC DWGS
- (N) LIGHT FIXTURE, PAINT ALL (N) CONDUIT, COLOR TO MATCH BLDG COLOR, SEE ELEC DWGS
- PROVIDE MIN. SLOPE OF 1% AND MAX 2% ON IMPERVIOUS SURFACES PERPENDICULAR AND ADJACENT TO STRUCTURE
- (E) MODULAR BUILDING & RAMP TO REMAIN
- RELOCATION OF MODULAR BUILDING, SERIAL NOS: 20-820, 20-8321 INSTALL ON WOOD FOUNDATION, SEE MANF DWGS
- RELOCATION OF MODULAR BUILDING, SERIAL NOS: 20-822, INSTALL ON A/C PAVING, SEE MANF DWGS
- (E) MUSIC BUILDING & RAMP TO REMAIN
- NEW CONCRETE SIDEWALK, EDGE SHALL BE FLUSH WITH (E) ADJACENT SIDEWALK, SEE 9/D-1
- METAL DECK RAMP & LANDING PROVIDED AND INSTALLED BY BUILDING MANUFACTURER UNDER SEPARATE CONTRACT, SEE R0.0 & R2.0
- (E) FIRE HYDRANT
- (E) MAIN SWITCHBOARD
- (E) TRANSFORMER
- (N) A/C PAVING (SHOWN SHADED), EDGE SHALL BE FLUSH WITH THE (E) ADJACENT SIDEWALK OR (E) A/C PAVING, SEE 6 & 7/D-1
- (N) 6' - 0" x 6' - 0" AC PAVED LEVEL LANDING W/ 2% MAX SLOPE IN EACH DIRECTION

CONSTRUCTION NOTES

- CONCRETE - FLATWORK / SIDEWALKS**
- ASTM C 94 PROVIDE CONCRETE CONSISTING OF PORTLAND CEMENT, ASTM C 150, AGGREGATES, ASTM C 33 AND CLEAN WATER. MIX MATERIALS TO OBTAIN CONCRETE WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2500 PSI USING AT LEAST 5 SACK CEMENT PER CU. YD., 1 INCH MAXIMUM SIZE AGGREGATE MAXIMUM 4 INCH SLUMP AND 2% TO 4% ENTRAINED AIR.
 - SEE TYPICAL CONCRETE DETAILS 4/D-1, 5/D-1 AND 9/D-1
 - RELOCATED MODULAR BUILDING TO ALIGN WITH FRONT SIDE OF EXISTING BLDG
 - TRIM TREES AS REQUIRED TO INSTALL NEW MODULAR BLDG
 - SEE MANUFACTURER'S PLANS FOR BUILDING FOUNDATIONS AND SECTION
 - SEE MANUFACTURER PLANS FOR UNDER FLOOR VENTILATION LOCATIONS AND CALCULATIONS

GRADING NOTES BLDGS P2 & P3

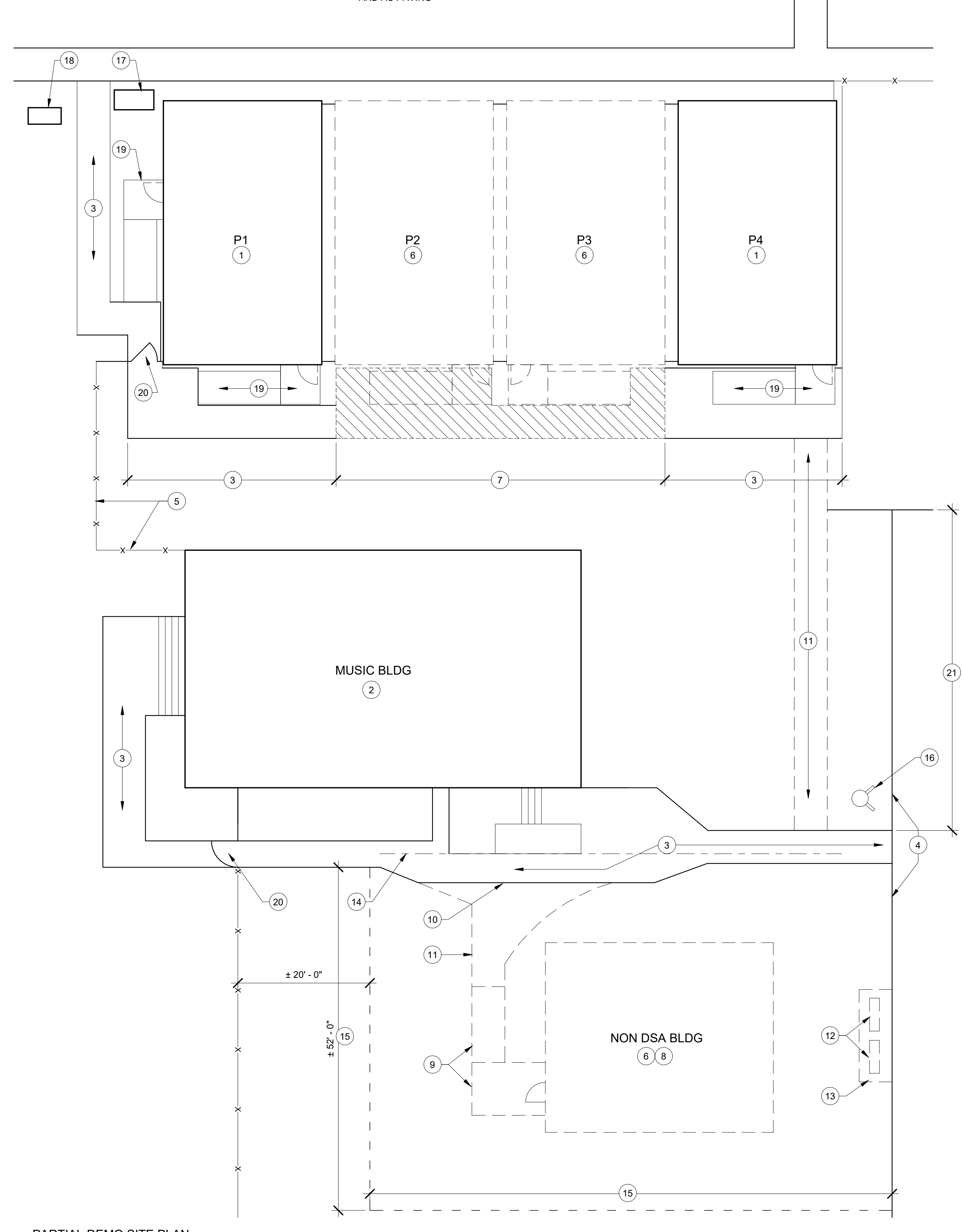
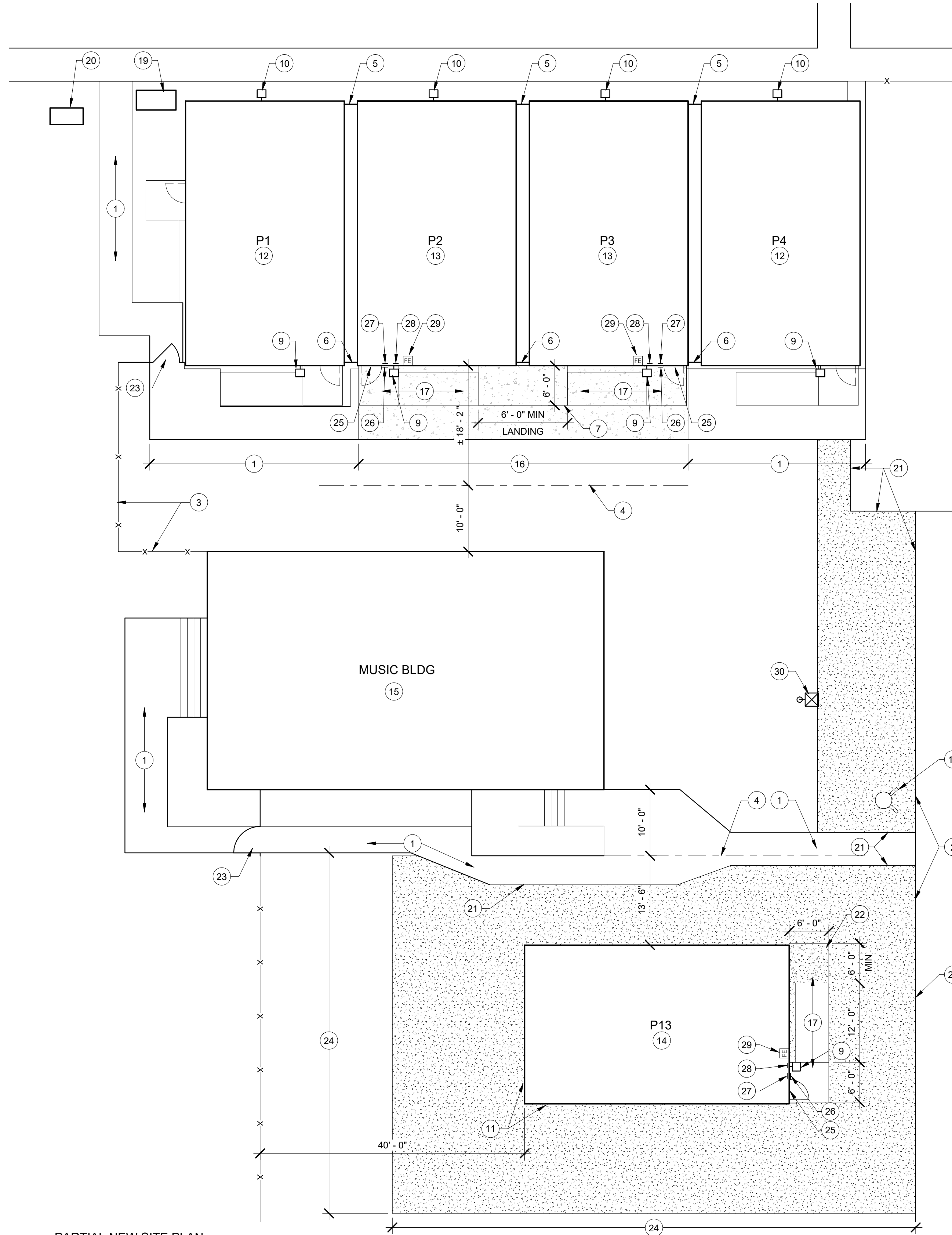
- EXISTING BUILDING PAD: THE BUILDING IS AN EXISTING 6" CLASS 2 BASEROCK PAD, COMPACTED TO 90% COMPACTION PER ASTM D1557. VERIFY EXISTING BUILDING PAD MEETS 90% COMPACTION
- CONTRACTOR TO PROVIDE EROSION CONTROL IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICE TO PREVENT DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE

GRADING NOTES BLDGS P13

- BUILDING PAD STRIP AND REMOVE TOP 6" OF GRASSY SOIL
- BUILDING PAD SUBGRADE: RIP AND COMPACT THE EXISTING 8" OF SOIL TO 90% COMPACTION PER ASTM D1557, MOISTURE CONDITION TO 3% OF OPTIMUM
- BUILDING PAD BASE: INSTALL NEW AGGREGATE CLASS 2 BASE ROCK MINIMUM 6" DEPTH TO 90% COMPACTION PER ASTM D1557, SLOPE AS NECESSARY TO DRAIN
- CONTRACTOR TO PROVIDE EROSION CONTROL IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICE TO PREVENT DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE
- ASPHALT PAVING: MINIMUM 3" THICK, (2) 1 1/2" LIFTS

DEMO SITE PLAN KEYNOTES

- (E) MODULAR CLASSROOM & RAMP TO REMAIN
- (E) MUSIC BUILDING & RAMP TO REMAIN
- (E) CONCRETE WALK TO REMAIN
- (E) EDGE OF AC PAVING
- (E) 6' - 0" HGT. CHAIN LINK FENCE TO REMAIN, TYP
- REMOVE (E) MODULAR BLDG & RAMP
- REMOVE (E) CONCRETE WALK AS REQUIRED FOR (N) CONCRETE PATHWAY
- REMOVE (E) FOUNDATION
- REMOVE (E) CONCRETE RAMP & LANDING
- SAW CUT (E) CONCRETE FOR REVISED SIDEWALK
- REMOVE (E) CONCRETE WALK
- REMOVE (E) BENCH
- REMOVE (E) CONCRETE PAD
- ASSUMED PROPERTY LINE
- EXCAVATE SOIL AS REQUIRED FOR NEW BUILDING PAD AND AC PAVING
- (E) FIRE HYDRANT
- (E) MAIN SWITCHBOARD
- (E) TRANSFORMER
- (E) METAL RAMP AND LANDING TO REMAIN
- (E) ACCESSIBLE GATE W/ PANIC HARDWARE TO REMAIN
- EXCAVATE SOIL AS REQUIRED FOR NEW AC PAVING



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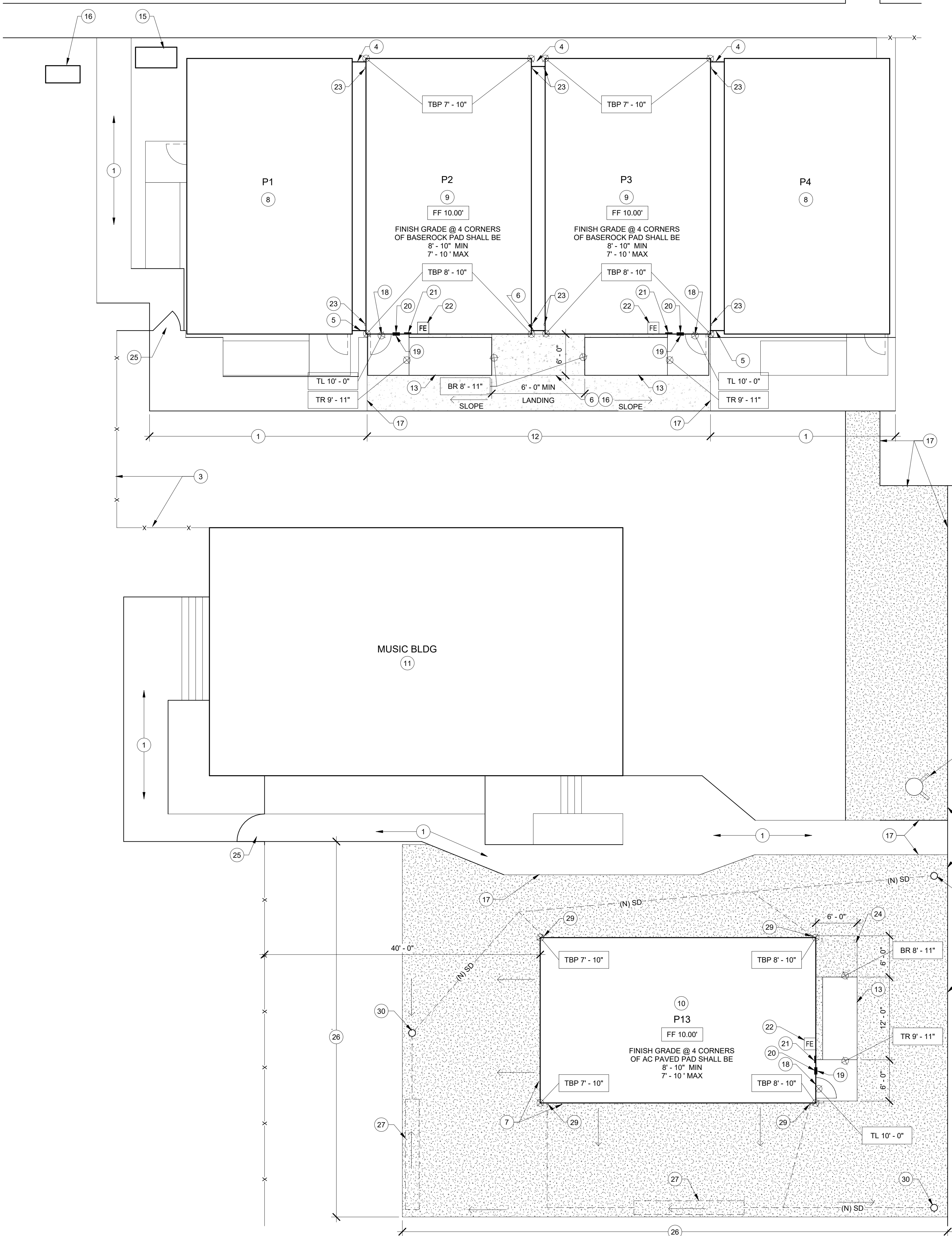
Relocation of 3 Relocatable Classroom buildings
at
EGLING MIDDLE SCHOOL
813 Webster Street
Colusa, CA 95932
for
COLUSA UNIFIED SCHOOL DISTRICT
COLUSA COUNTY CALIFORNIA

No.	Description	Date

PARTIAL DEMO & NEW SITE PLANS

Project number	2345
Date	3/19/24
Drawn by	KC
Checked by	AC

SP-2
Scale 3/32" = 1'-0"



1 PARTIAL NEW GRADING SITE PLAN
1/8" = 1'-0"

LEGEND

- (E) EXISTING
 - TBP TOP OF BUILDING PAD
 - FF FINISH FLOOR ELEVATION
 - BR BOTTOM OF METAL RAMP
 - TR TOP OF METAL RAMP
 - TL TOP OF LANDING
- NOTE:
CONTRACTOR TO FIELD VERIFY ALL EXISTING GRADE ELEVATIONS
- MINIMUM**
3" WOOD PADS
8" METAL FRAMES
1 1/8" PLYWOOD FLOOR
12 1/8" MIN ≈ 13" MIN
- MAXIMUM**
18" WOOD PADS
8" METAL FRAMES
1 1/8" PLYWOOD FLOOR
27 1/8" MIN ≈ 27" MIN

CONSTRUCTION NOTES

- CONCRETE - FLATWORK / SIDEWALKS**
- ASTM C 94 PROVIDE CONCRETE CONSISTING OF PORTLAND CEMENT, ASTM C 150, AGGREGATES, ASTM C 33 AND CLEAN WATER. MIX MATERIALS TO OBTAIN CONCRETE WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2500 PSI USING AT LEAST 5 SACK CEMENT PER CU. YD., 1 INCH MAXIMUM SIZE AGGREGATE MAXIMUM 4 INCH SLUMP AND 2% TO 4% ENTRAINED AIR.
 - SEE TYPICAL CONCRETE DETAILS 9/D-1 & 11/D-1
 - RELOCATED MODULAR BUILDING TO ALIGN WITH FRONT SIDE OF EXISTING BLDG
 - TRIM TREES AS REQUIRED TO INSTALL NEW MODULAR BLDG
 - SEE MANUFACTURER'S PLANS FOR BUILDING FOUNDATIONS AND SECTION
 - SEE MANUFACTURER PLANS FOR UNDER FLOOR VENTILATION LOCATIONS AND CALCULATIONS

GRADING NOTES BLDGS P2 & P3

- EXISTING BUILDING PAD: THE BUILDING IS AN EXISTING 6" CLASS 2 BASEROCK PAD, COMPACTED TO 90% COMPACTION PER ASTM D1557. VERIFY EXISTING BUILDING PAD MEETS 90% COMPACTION
- CONTRACTOR TO PROVIDE EROSION CONTROL IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICE TO PREVENT DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE

GRADING NOTES BLDGS P13

- BUILDING PAD STRIP AND REMOVE TOP 6" OF GRASSY SOIL
- BUILDING PAD SUBGRADE: RIP AND COMPACT THE EXISTING 8" OF SOIL TO 90% COMPACTION PER ASTM D1557, MOISTURE CONDITION TO 3% OF OPTIMUM
- BUILDING PAD BASE: INSTALL NEW AGGREGATE CLASS 2 BASE ROCK MINIMUM 6" DEPTH TO 90% COMPACTION PER ASTM D1557. SLOPE AS NECESSARY TO DRAIN
- CONTRACTOR TO PROVIDE EROSION CONTROL IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICE TO PREVENT DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE
- ASPHALT PAVING: MINIMUM 3" THICK, (2) 1 1/2" LIFTS

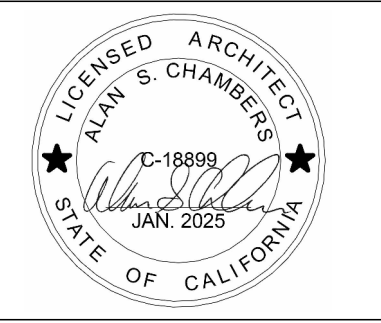
NEW SITE PLAN KEYNOTES

- (E) CONCRETE WALK TO REMAIN
- PATCH BACK EDGE OF (E) AC PAVING @ (N) PAVING
- (E) 6' - 0" HGT. CHAIN LINK FENCE TO REMAIN, TYP
- (N) FIXED WOOD INFILL PANEL, SEE 8/D-1
- (N) OPERABLE WOOD INFILL PANEL, SEE 8/D-1
- NEW CONCRETE LANDING FOR METAL RAMP MINIMUM SIZE TO BE 6' - 0" x WIDTH OF RAMP. MAXIMUM SLOPE OF 2% IN EACH DIRECTION, SEE 11/D-1
- PROVIDE MIN. SLOPE OF 1% AND MAX 2% ON IMPERVIOUS SURFACES PERPENDICULAR AND ADJACENT TO STRUCTURE
- (E) MODULAR BUILDING & RAMP TO REMAIN
- RELOCATION OF MODULAR BUILDING, SERIAL NOS: 20-820, 20-821. INSTALL ON WOOD FOUNDATION, SEE MANF DWGS
- RELOCATION OF MODULAR BUILDING, SERIAL NOS: 20-822. INSTALL ON A/C PAVING, SEE MANF DWGS
- (E) MUSIC BUILDING & RAMP TO REMAIN
- NEW CONCRETE SIDEWALK, EDGE SHALL BE FLUSH WITH (E) ADJACENT SIDEWALK, SEE 9/D-1
- METAL DECK RAMP & LANDING PROVIDED AND INSTALLED BY BUILDING MANUFACTURER UNDER SEPARATE CONTRACT, SEE MFR DWGS
- (E) FIRE HYDRANT
- (E) MAIN SWITCHBOARD
- (E) TRANSFORMER
- (N) A/C PAVING (SHOWN SHADED), EDGE SHALL BE FLUSH WITH THE (E) ADJACENT SIDEWALK OR (E) A/C PAVING, SEE 6 & 7/D-1
- THRESHOLD AT DOOR 1/2" MAX HEIGHT AND MAX 1:2 SLOPE, SEE 3/D-1
- (N) BUILDING IDENTIFICATION/ACCESSIBILITY ENTRANCE SIGN MOUNTED ON EXTERIOR WALL, SEE 2/D-1
- (N) EXIT SIGN MOUNTED ON INTERIOR WALL, SEE 1/D-1
- (N) ASSISTIVE LISTENING SIGN MOUNTED ON INTERIOR WALL, SEE 4/D-1
- (N) WALL MOUNTED FIRE EXTINGUISHER TO BE SUPPLIED AND INSTALLED BY BUILDING MANUFACTURER, SEE 13/D-1
- MODULAR BLDG DOWNSPOUTS, PROVIDE CONCRETE SPLASH BLOCK AT BASE OF EACH DOWNSPOUT
- (N) 6' - 0" x 6' - 0" AC PAVED LEVEL LANDING W/ 2% MAX SLOPE IN EACH DIRECTION
- (E) ACCESSIBLE GATE W/ PANIC HARDWARE TO REMAIN
- LIMITS OF THE NEW BASE ROCK BUILDING PAD AREA
- INSTALL 16 LF SD INFILTRATION TRENCH, S = 0%, SEE 7/D-2
- INSTALL 12" Ø AREA DRAIN, SEE 8/D-2 FOR DETAILS
- INSTALL 12 NYLOPLASTT GRATED DRAIN BASIN LOCATED IMMEDIATELY UNDERNEATH BUILDING DOWNSPOUT. VERIFY DOWNSPOUT LOCATION PRIOR TO INSTALLATION. OUTLET PIPE SHALL HAVE A 90° ELBOW WITH MESH SCREEN AS SHOWN ON DETAIL 6/D-2. PROVIDE 18" MIN COVER AND 1% SLOPE FOR PIPE CONNECTING DRAIN BASIN TO CLEANOUT
- INSTALL 12" NYLOPLASTT GRATED DRAIN PER DETAIL 6/D-2



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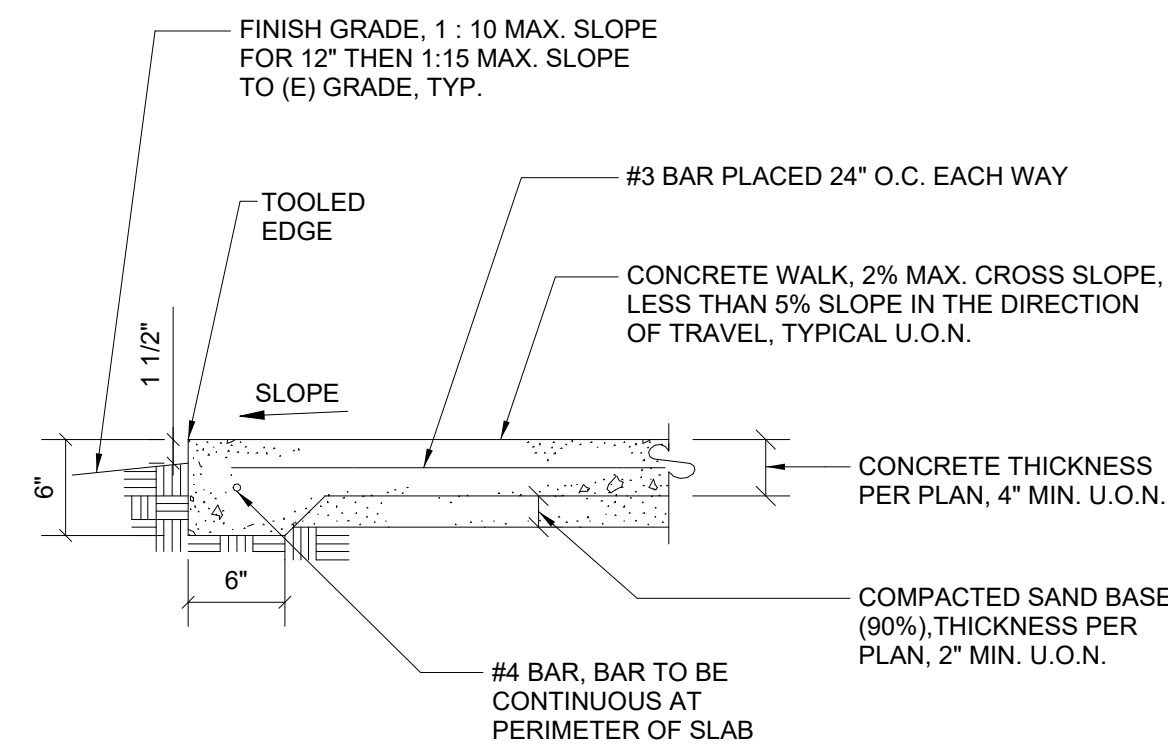
No.	Description	Date

PARTIAL GRADING SITE PLAN

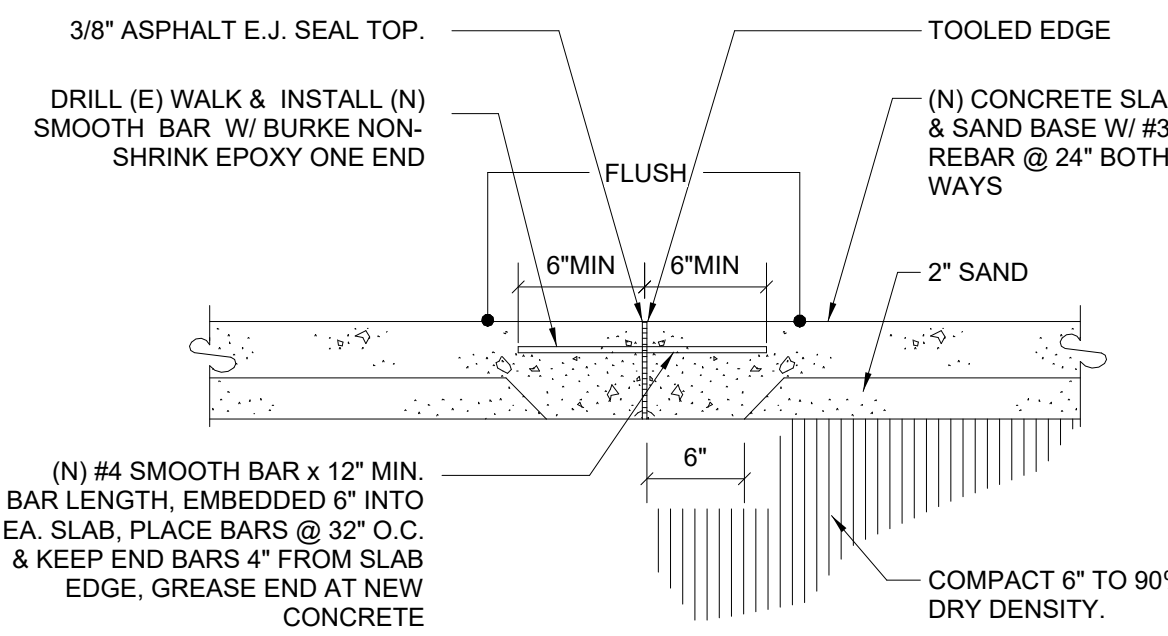
Project number	2345
Date	3/19/24
Drawn by	KC
Checked by	AC

SP-3

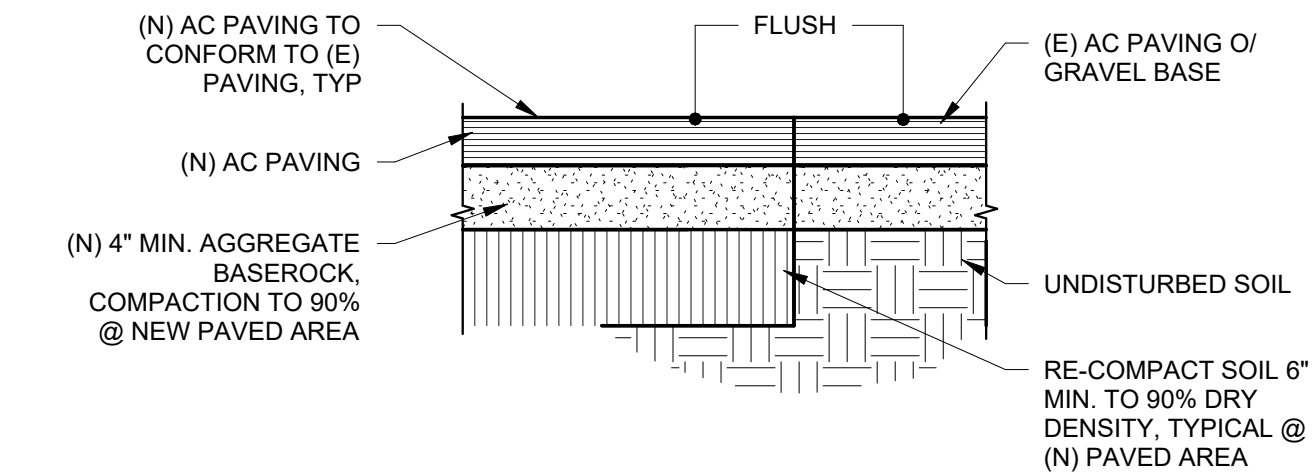
Scale 1/8" = 1'-0"



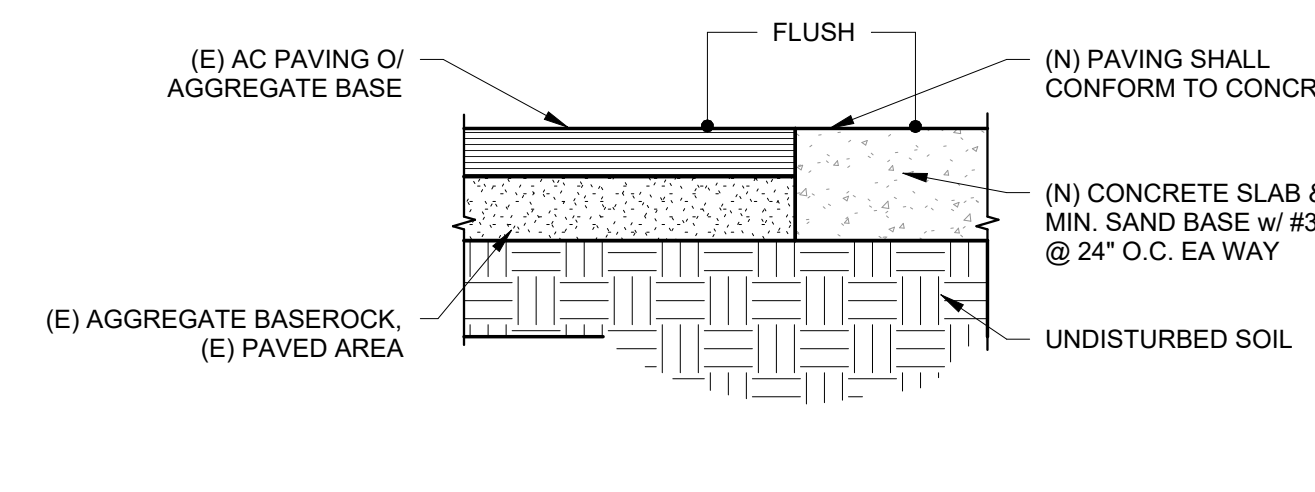
11 CONCRETE WALK EDGE
1 1/2" = 1'-0"



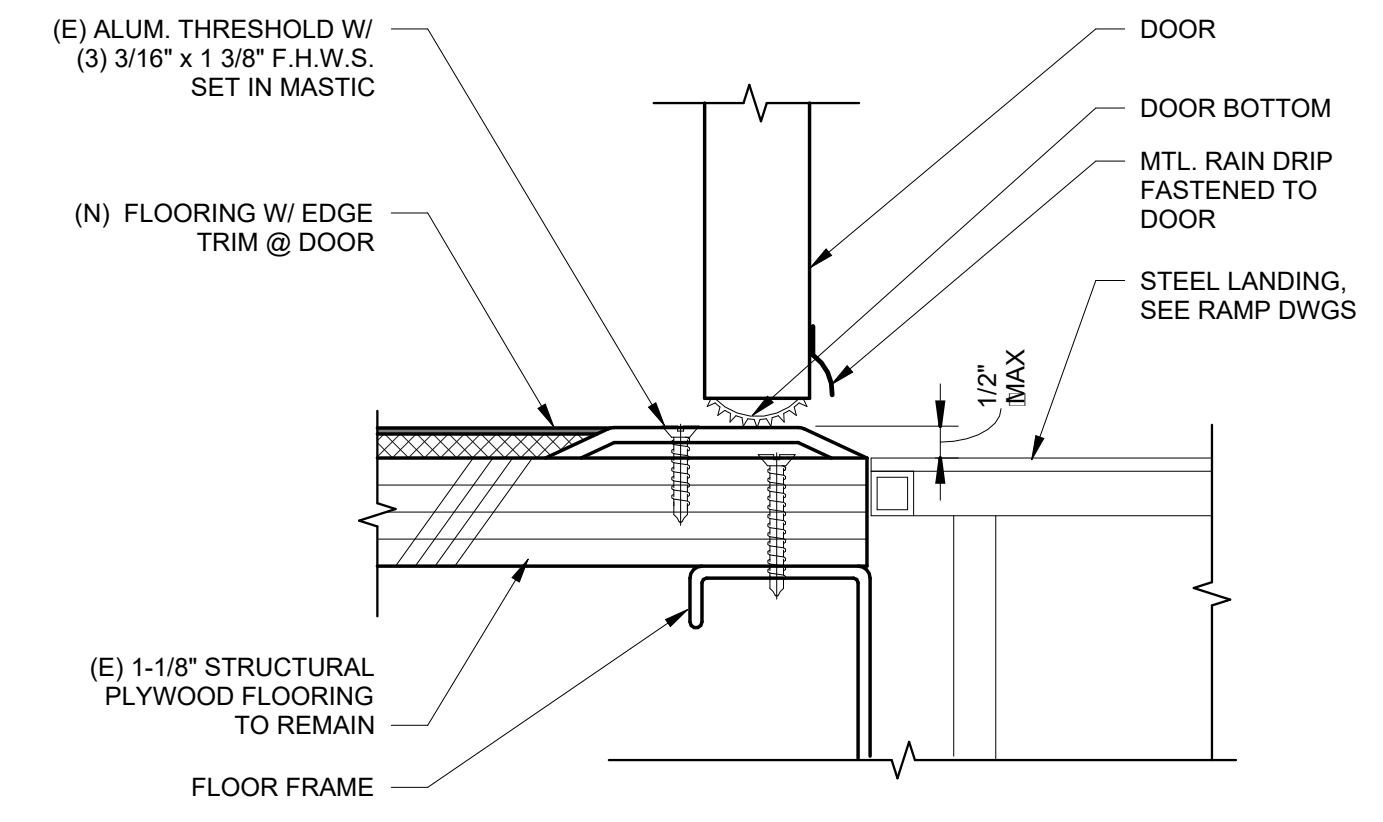
9 CONCRETE - NEW @ EXISTING
1 1/2" = 1'-0"



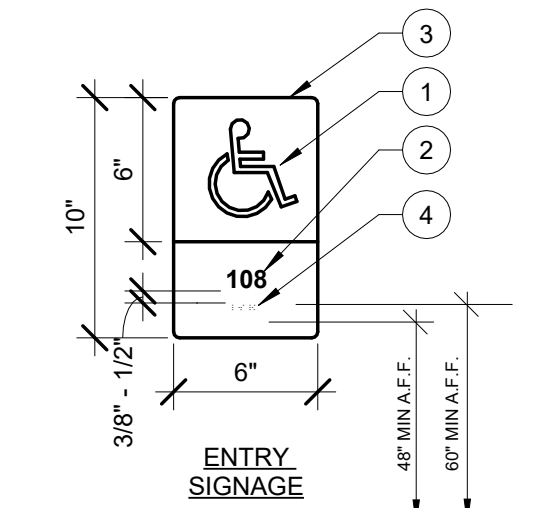
7 AC PAVING - NEW @ EXISTING
1" = 1'-0"



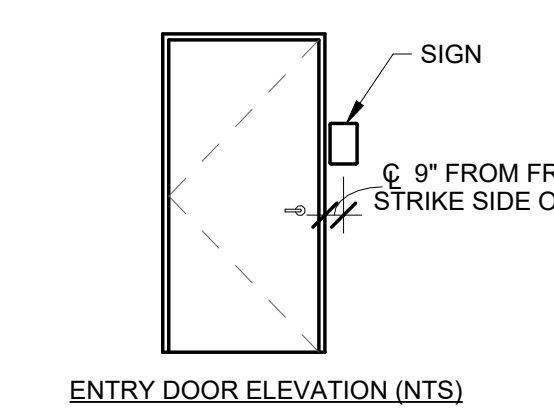
6 NEW CONCRETE @ EXISTING AC PAVING
1" = 1'-0"



3 THRESHOLD @ MODULAR BLDG
6" = 1'-0"



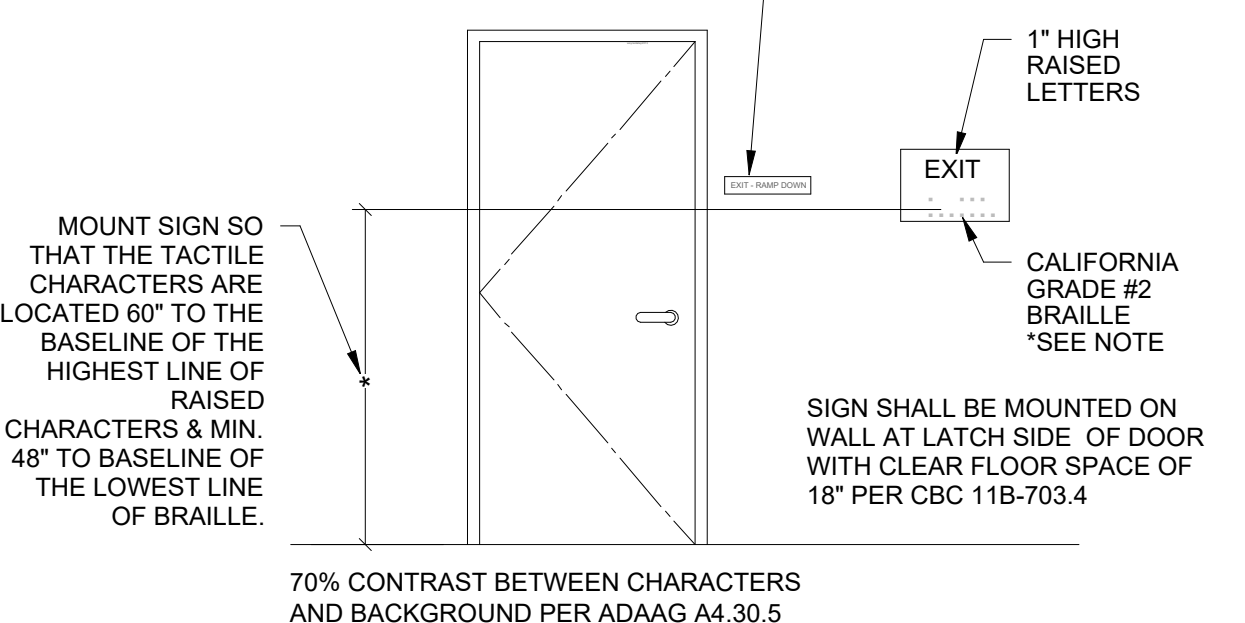
- ISA PICTOGRAM
- 1" TALL SAN SERIF UPPERCASE LETTERS, RAISED 1/32"
- ROOM PLAQUE: 1/8" THICK ACRYLIC PLASTIC, OPAQUE. SECURE TO WALL W/ TAMPER RESISTANT FASTENERS. SYMBOLS & LETTERING SHALL BE WHITE ON BLUE BACKGROUND U.O.N.
- CORRESPONDING BRAILLE



- NOTE:
- PROVIDE @ EACH DOOR U.O.N.
 - REFER TO TYPICAL SIGN NOTES, THIS SHEET

2 ROOM SIGNAGE - TYPE S-2
1 1/2" = 1'-0"

- *NOTE:
- PROVIDE 3/8" MIN. TO 1/2" MAX. BETWEEN BOTTOM OF IDENTIFICATION FONT & TOP OF BRAILLE & BOTTOM OF BRAILLE TO BOTTOM OF SIGN.
 - DOOR CLOSER 5 lbs. MAX OPERATION FORCE & CLOSING SPEED 5 SECONDS MIN. TO 12 DEGREES FROM THE LATCH.



1 EXIT SIGNAGE - TYPE S1
3/8" = 1'-0"

SIGN TYPE DESCRIPTIONS

- ROOM NAME AND NUMBER SIGNS**
PROVIDE FOR EACH NON-RESTROOM DOOR. SIGN SHALL BE 6" WIDE BY 3" HIGH, 1/8" THICK INTERIOR ACRYLIC PLAQUE. CORRESPONDING BRAILLE SHALL OCCUR BELOW TEXT. MOUNT SIGN ON THE WALL ON THE LATCH SIDE OF THE DOOR, CENTERED 60" ABOVE THE FINISHED FLOOR. SEE DETAIL 2/D-1
- TACTILE EXIT SIGNS**
PROVIDE FOR EACH EXTERIOR DOOR. SIGN SHALL BE 4" WIDE BY 3" HIGH ACRYLIC PLAQUE. CORRESPONDING BRAILLE SHALL OCCUR BELOW 1" TEXT. MOUNT SIGN ON THE LATCH SIDE OF THE DOOR, CENTERED 60" ABOVE THE FINISHED FLOOR. SEE DETAIL 1/D-1

TYPICAL SIGN NOTES

- CALIFORNIA GRADE 2 (CONTRACTED) BRAILLE SHALL BE USED WHERE EVER BRAILLE SYMBOLS ARE SPECIFICALLY REQUIRED. DOTS SHALL BE BETWEEN 1.5mm AND 1.6mm IN DIAMETER AND SPACED 0.100" (2.5mm) O.C. IN EACH CELL WITH .300" (7.6mm) SPACE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS. DOTS SHALL BE RAISED BETWEEN 0.025" (0.6mm) AND 0.037" (0.9mm) ABOVE THE BACKGROUND AND SHALL BE DOMED OR FOUNDED. WHERE MULTIPLE LINES OF BRAILLE ARE USED, CELLS IN EACH LINE SHALL ALIGN TO ONE ANOTHER AND THE DISTANCE BETWEEN CORRESPONDING DOTS IN EACH LINE SHALL BE BETWEEN 0.395" (10mm) AND 0.400" (10.2mm).
- ALL SYMBOLS & LETTERS SHALL HAVE 70% MIN. CONTRAST TO THEIR BACKGROUND AND THE BACKGROUND SHALL CONTRAST AGAINST THE MOUNTING SURFACE. COLORS SHALL BE SELECTED BY THE ARCHITECT FROM MFR'S FULL RANGE OF STANDARD COLORS.
- SECURE SIGNS TO WALL WITH TAMPER-RESISTANT FASTENERS. WHEN MOUNTED ON GLASS, INSTALL MATCHING BACK PLATE.
- ALL TACTILE SIGNS SHALL BE MOUNTED 48" A.F.F. MAX. TO THE BASELINE OF THE BOTTOM LINE OF BRAILLE AND 60" MAX. TO THE BASELINE OF THE TOP LINE OF RAISED CHARACTERS.

ASSISTIVE LISTENING DEVICE CALCULATIONS

ROOM NAME	RM.#	OCCUPANTS
CLASSROOM	P2	960 SF / 20 OCC = 48
CLASSROOM	P3	960 SF / 20 OCC = 48
CLASSROOM	P13	960 SF / 20 OCC = 48

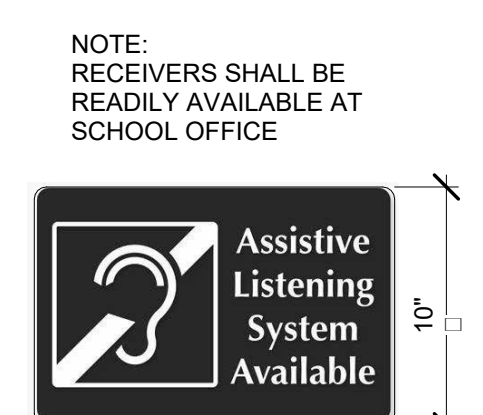
TOTAL HEADSETS REQUIRED PER CBC 11B - 706.3	RM.#	OCCUPANTS
CLASSROOM	P2	48 @ 4% = 1.92
CLASSROOM	P3	48 @ 4% = 1.92
CLASSROOM	P13	48 @ 4% = 1.92
TOTAL HEADSETS = 5.76 OR 6 HEADSETS		

TOTAL HEARING-AID COMPATIBLE HEADSETS REQUIRED PER CBC 11B - 706.3

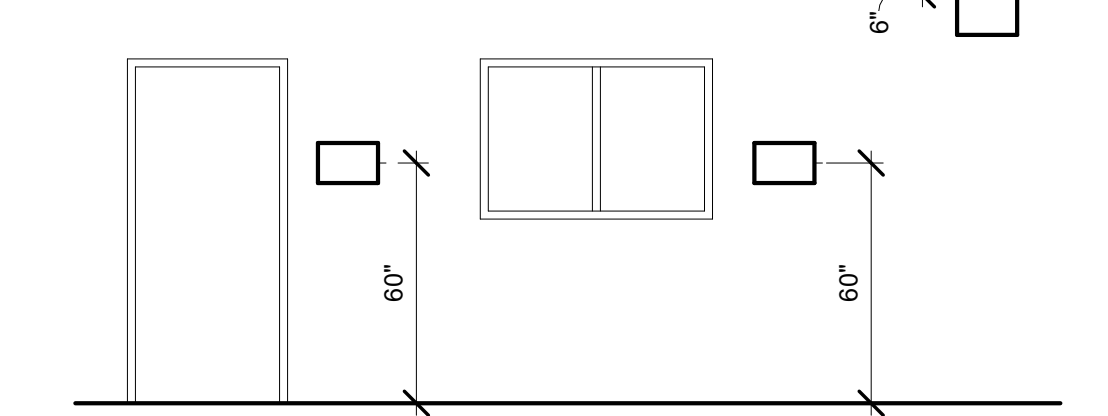
TOTAL HEADSETS = 6 AT 25% = 2 HEADSETS
PROVIDE 2 TOTAL HEADSETS WITH HEARING-AID COMPATIBILITY

5 ASSISTIVE LISTENING DEVICE CALCULATIONS
12" = 1'-0"

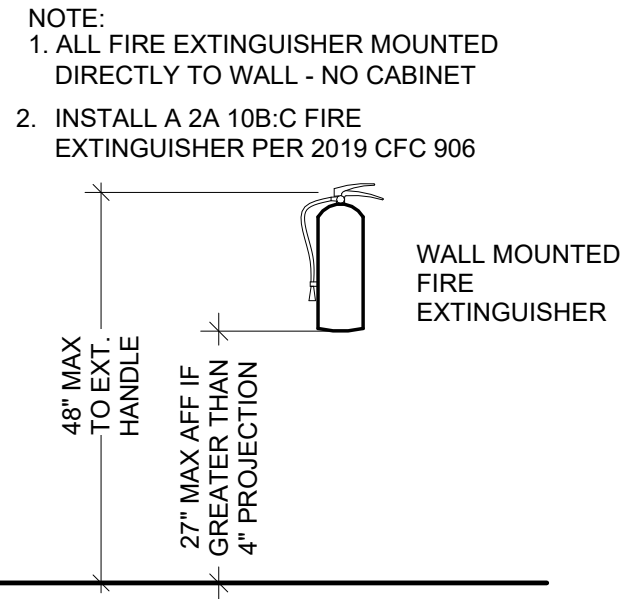
- LETTER CHARACTERISTICS:**
- 2" HIGH PER TABLE 11B-703.5.5
 - ALL UPPER CASE
 - NON-GLARE
 - CONTRAST: LIGHT-ON-DARK OR DARK-ON-LIGHT



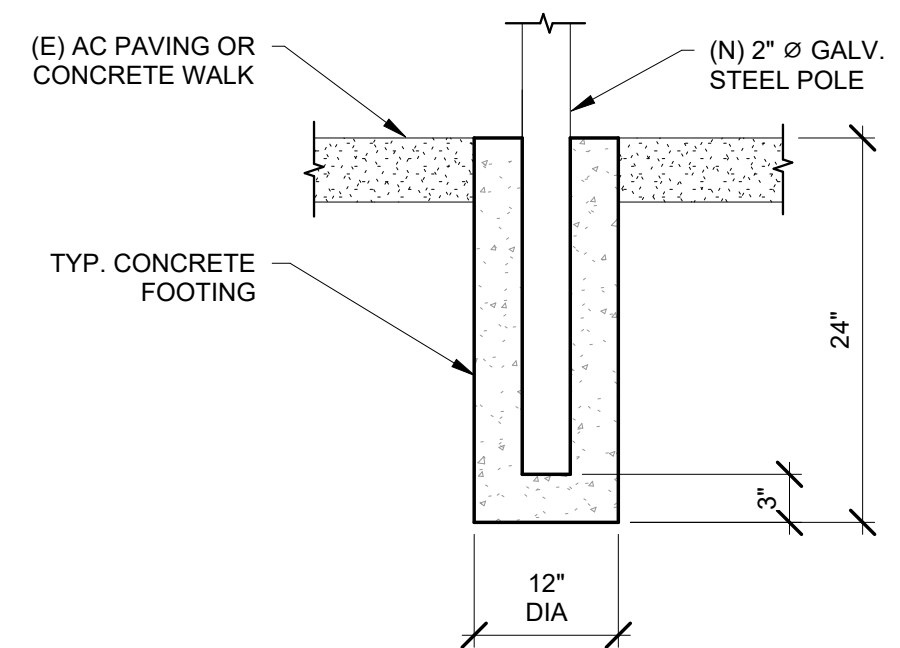
- NOTE:
- SIGN NOT REQUIRED TO BE APPROVED AT A DOOR, SEE SHEET A1.0 FOR SIGN LOCATION
 - DEVICE CALCULATIONS PROVIDED ON SHEET A1.0
 - CONTRACTOR TO VERIFY FINAL STORAGE AREA WITH OWNER
 - IF CEILING IS HIGHER THAN 9'-0", MOUNTING HEIGHT SHALL BE 8'-6" IF NOT AT DOOR OR WINDOW



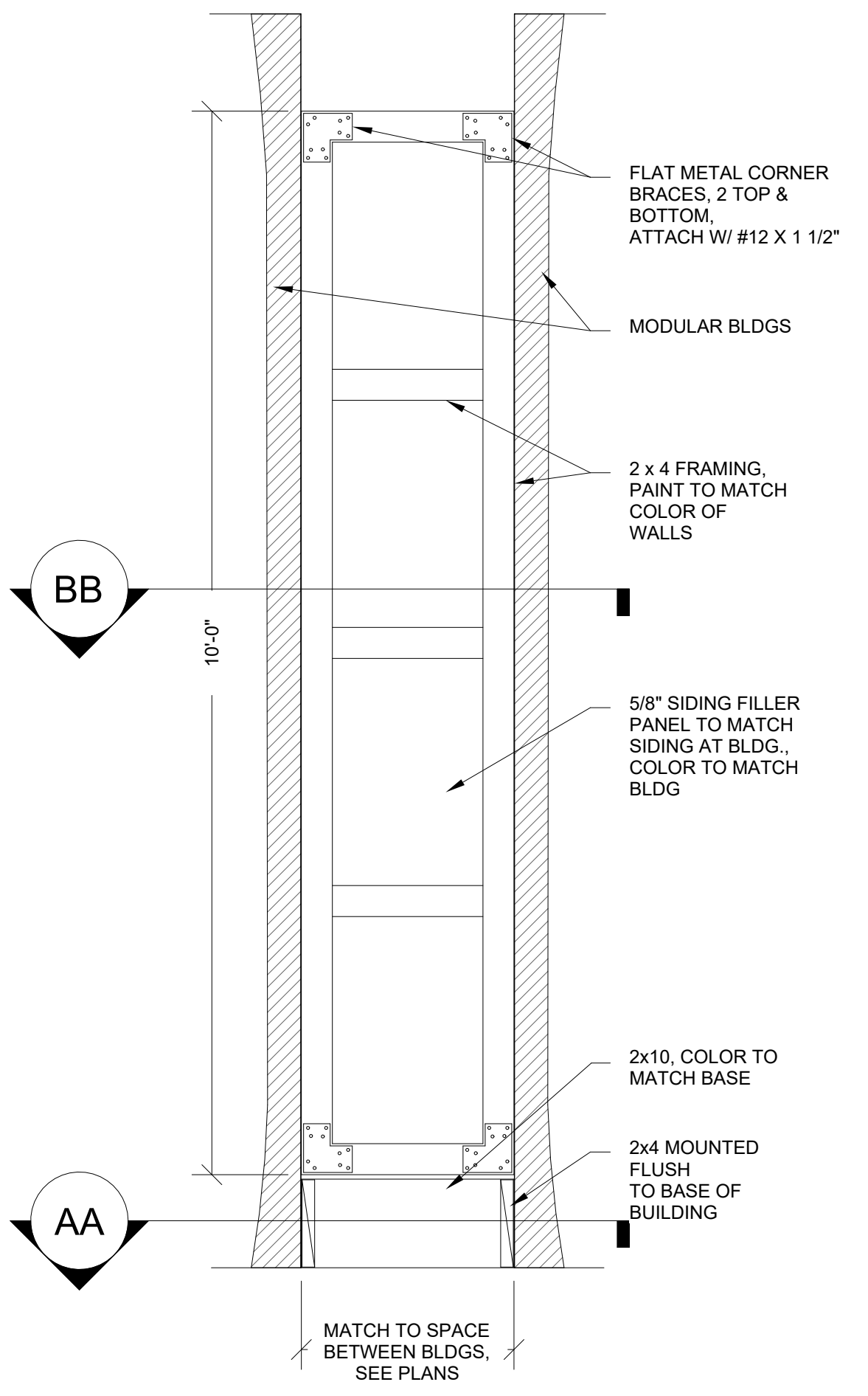
4 ASSISTIVE LISTENING
1/4" = 1'-0"



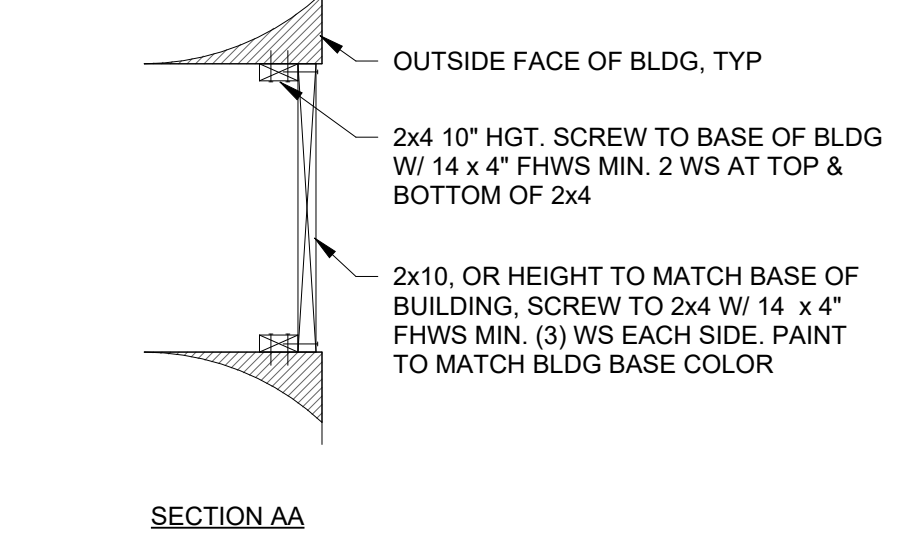
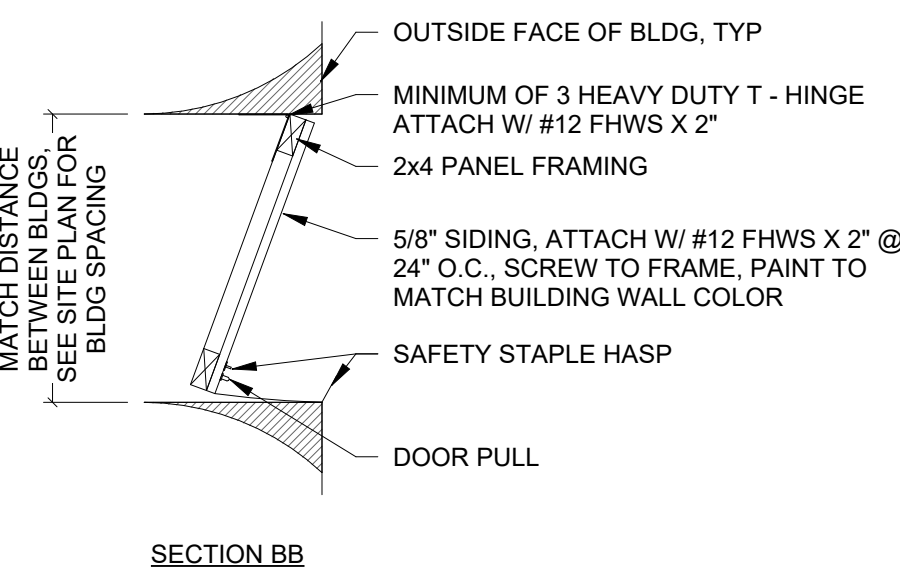
13 FIRE EXTINGUISHER
1/2" = 1'-0"



12 ACCESSIBLE SIGNAGE FOOTING
1" = 1'-0"

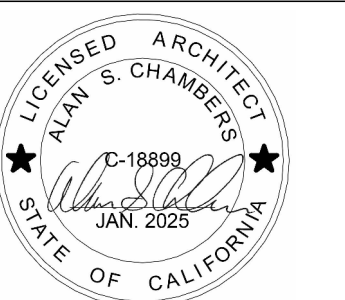


8 INFILL PANEL DOOR
3/4" = 1'-0"



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Architect



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Colusa, CA 95932
for
COLUSA UNIFIED SCHOOL DISTRICT
COLUSA COUNTY CALIFORNIA

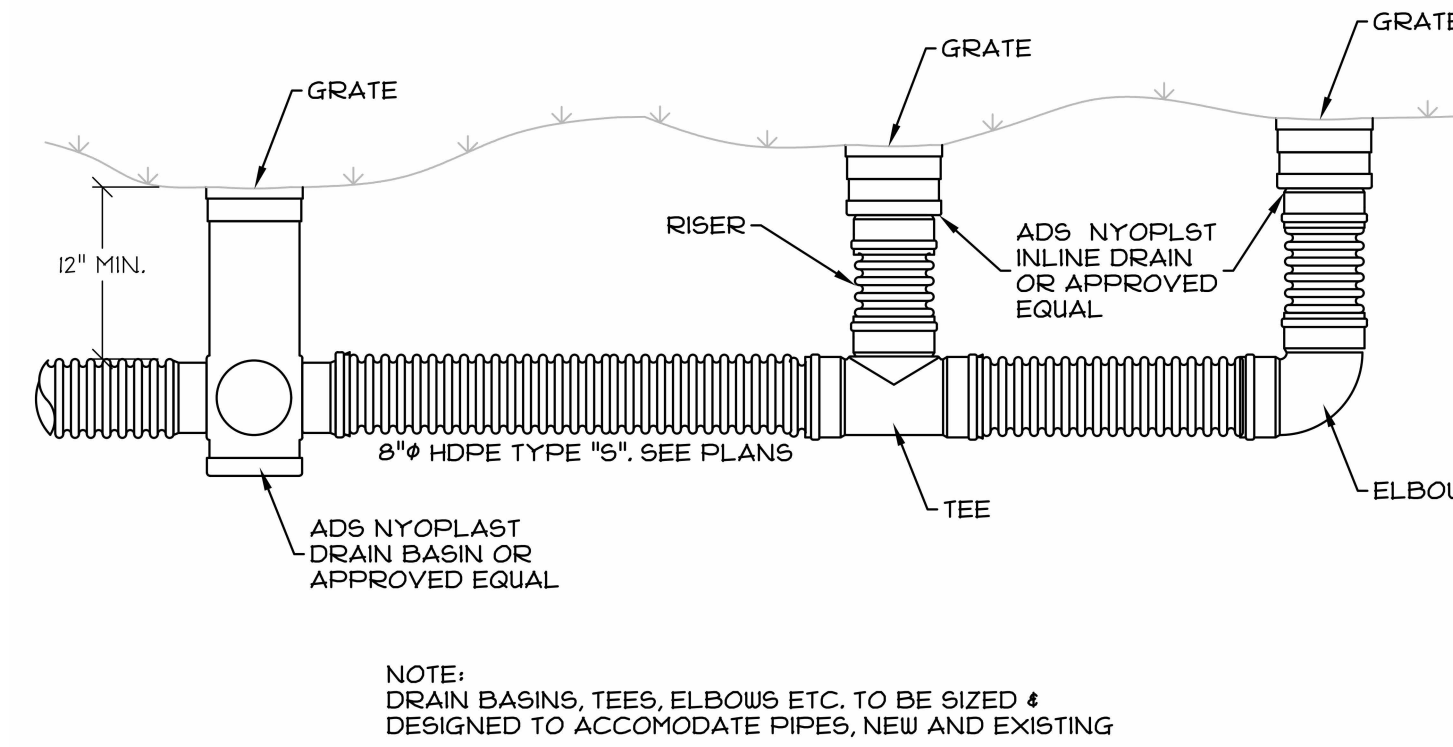
No.	Description	Date

DETAILS

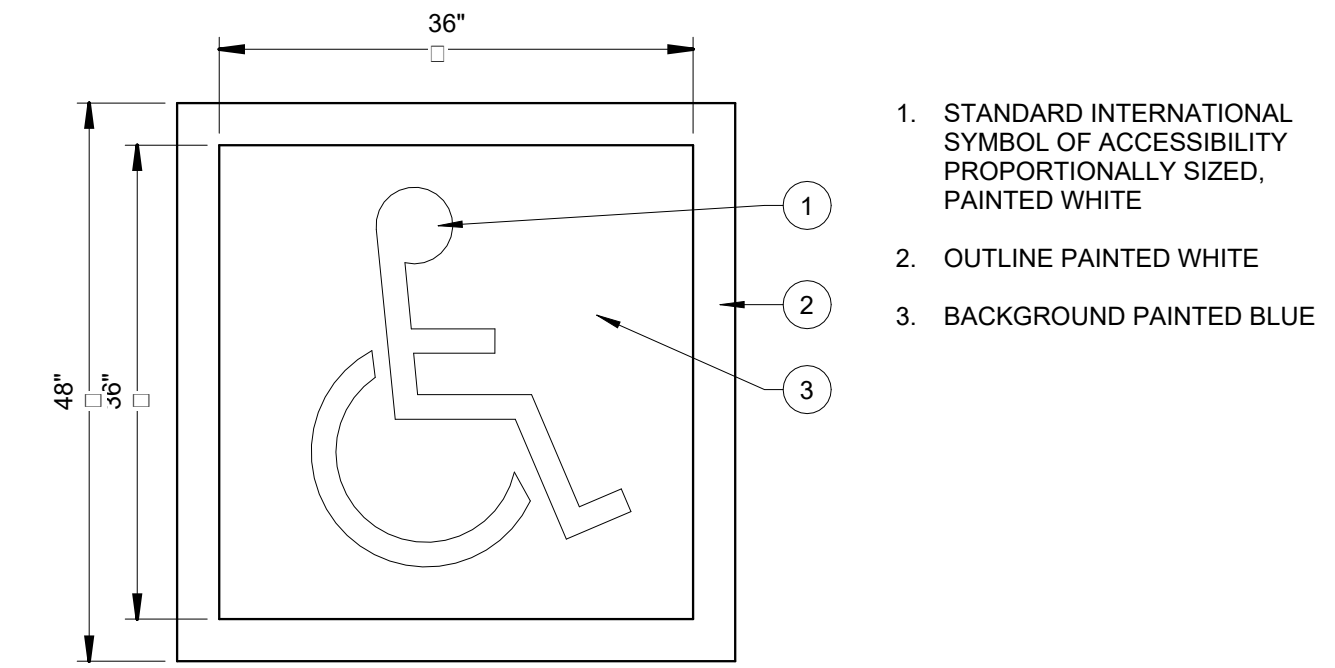
Project number	2345
Date	3/19/24
Drawn by	KC
Checked by	AC

D-1

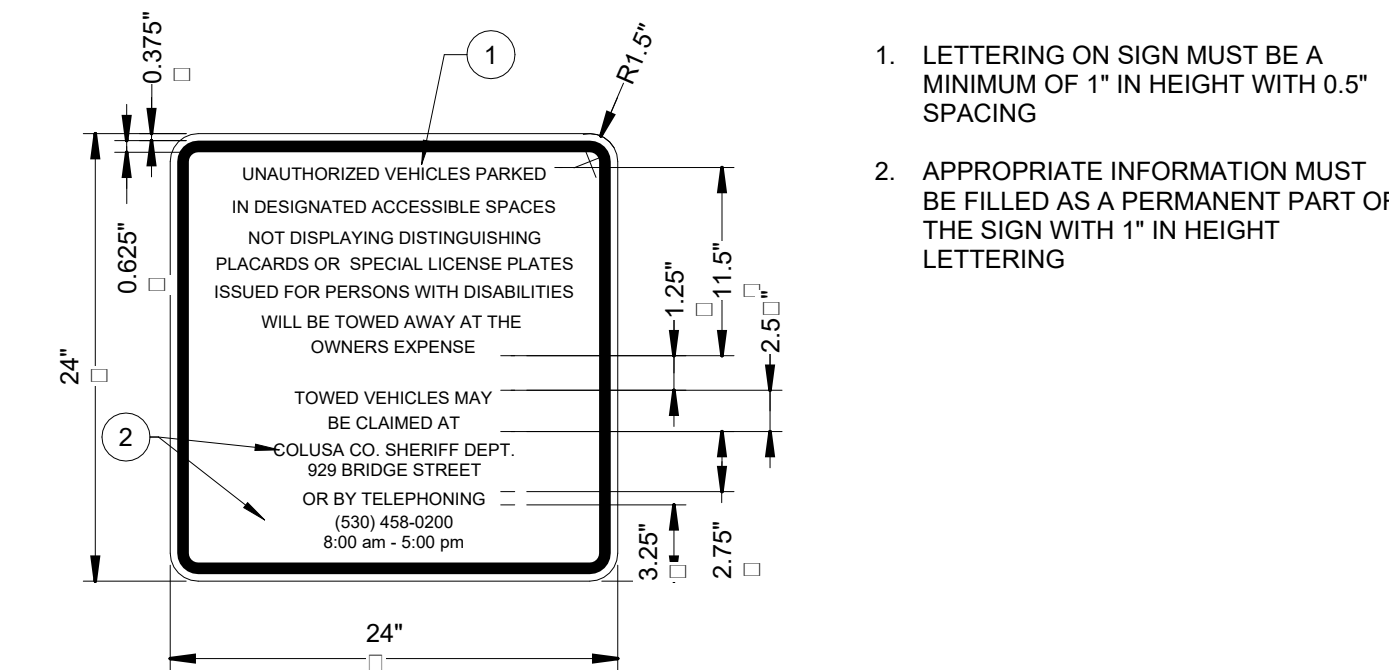
Scale As indicated



6 LANDSCAPE DRAIN DETAIL
12" = 1'-0"

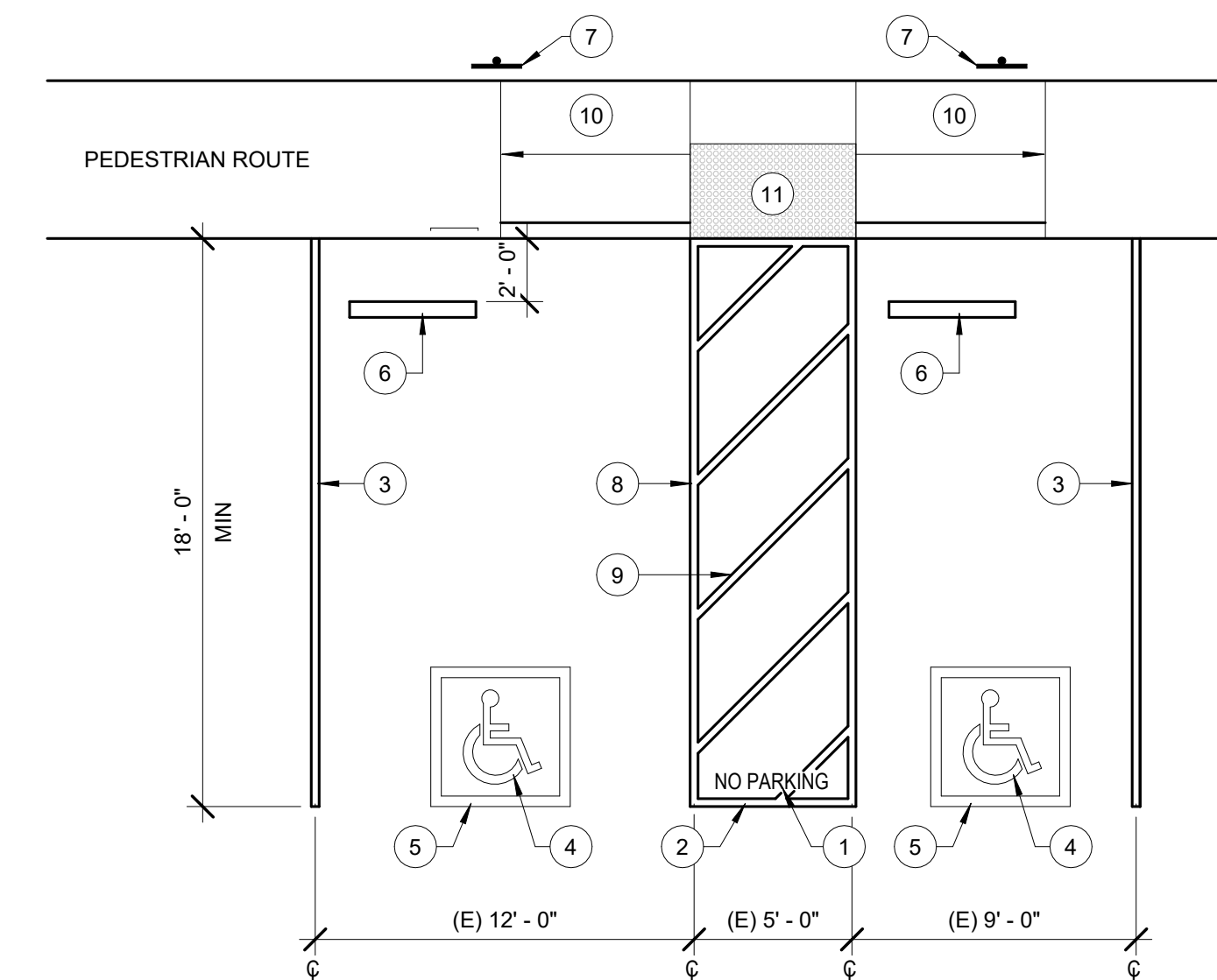


3 INT'L ACCESSIBILITY SYMBOL
1/8" = 1'-0"



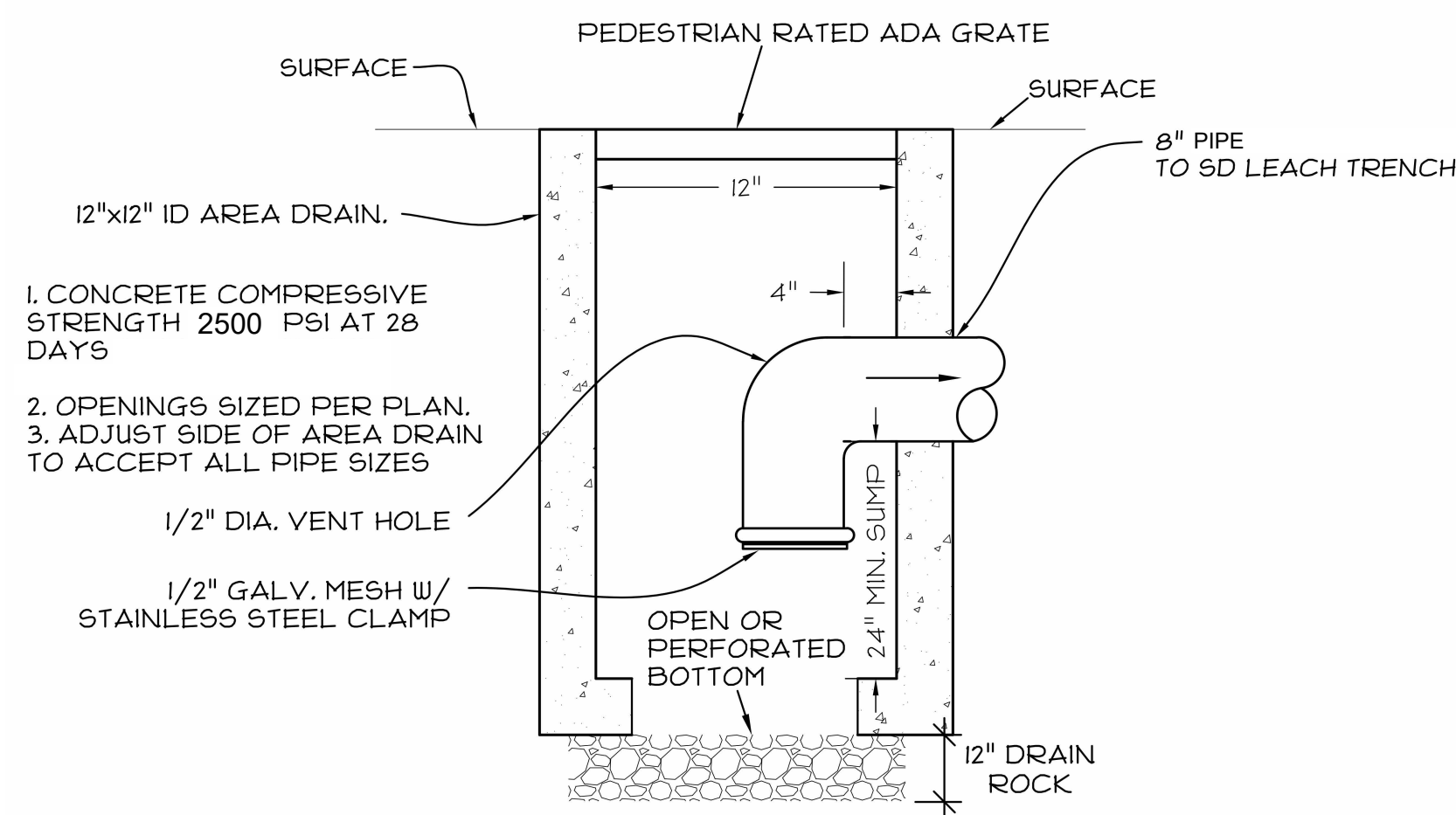
5 EXISTING TOW SIGNAGE REQUIREMENTS
1/2" = 1'-0"

- NOTES:
- EMBLEM MUST BE LOCATED IN STALL SO THAT THE BOTTOM EDGE OF GRAPHIC WILL ALIGN WITH END OF STALL SO THAT IT IS VISIBLE BY A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE SPACE. (CENTERED AT ENTRANCE OF STALL IS RECOMMENDED).
 - NO PORTION OF THIS DETAIL SHALL SLOPE MORE THAN 2% IN ANY DIRECTION OTHER THAN THE ACCESS RAMP.
 - THE SURFACE OF EACH ACCESSIBLE PARKING STALL OR SPACE MUST HAVE A SURFACE IDENTIFICATION DUPLICATING EITHER OF THE FOLLOWING SCHEMES:
 - BY OUTLINING OR PAINTING THE STALL OR SPACE IN BLUE AND OUTLINING ON THE GROUND IN THE STALL OR SPACE IN WHITE OR SUITABLE CONTRASTING COLOR A PROFILE VIEW DEPICTING A WHEELCHAIR W/ OCCUPANT
 - BY OUTLINING A PROFILE VIEW OF A WHEELCHAIR W/ OCCUPANT IN WHITE ON A BLUE BACKGROUND.

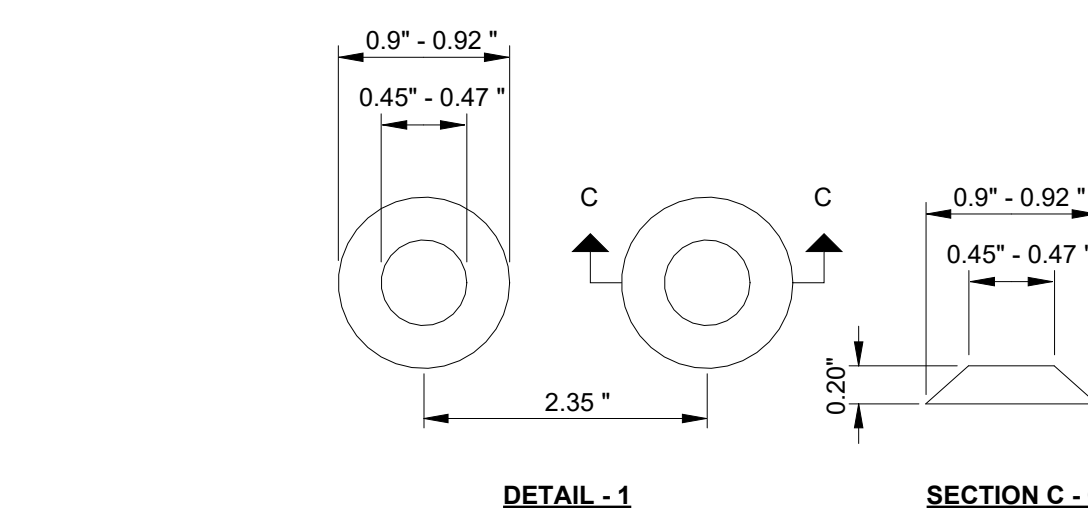
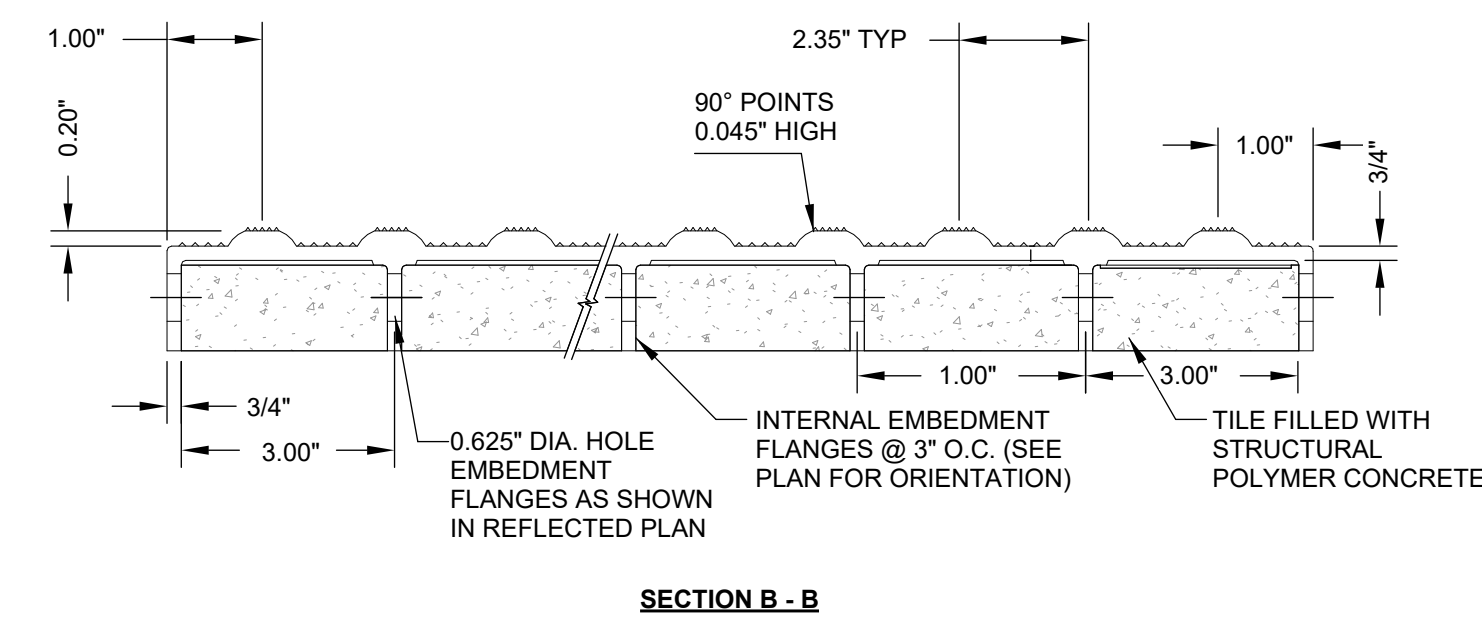
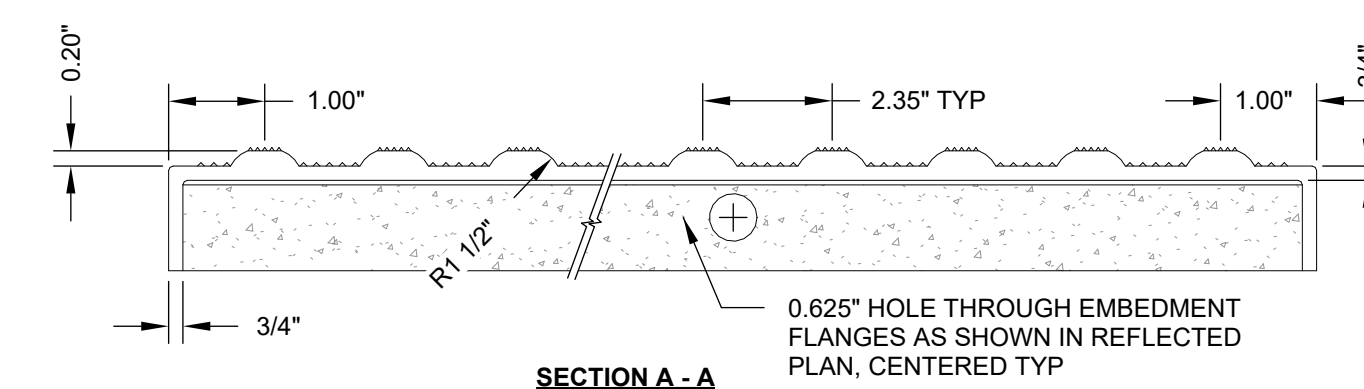
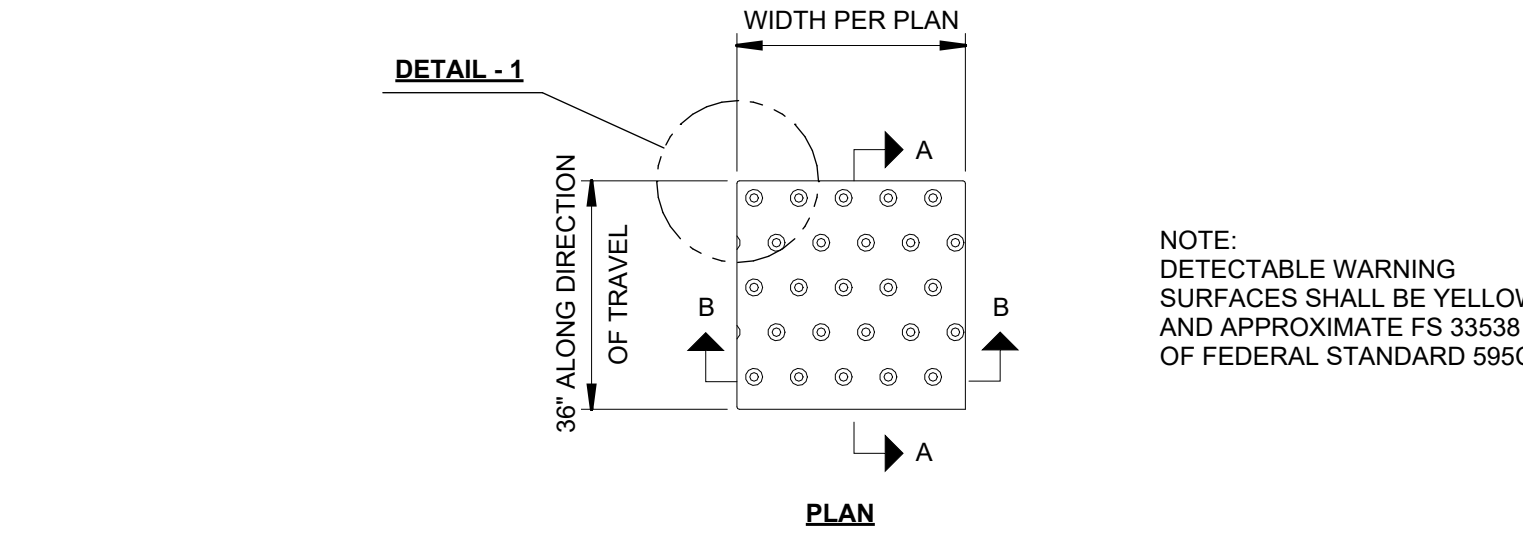


2 EXISTING ACCESSIBLE STRAIGHT PARKING
3/16" = 1'-0"

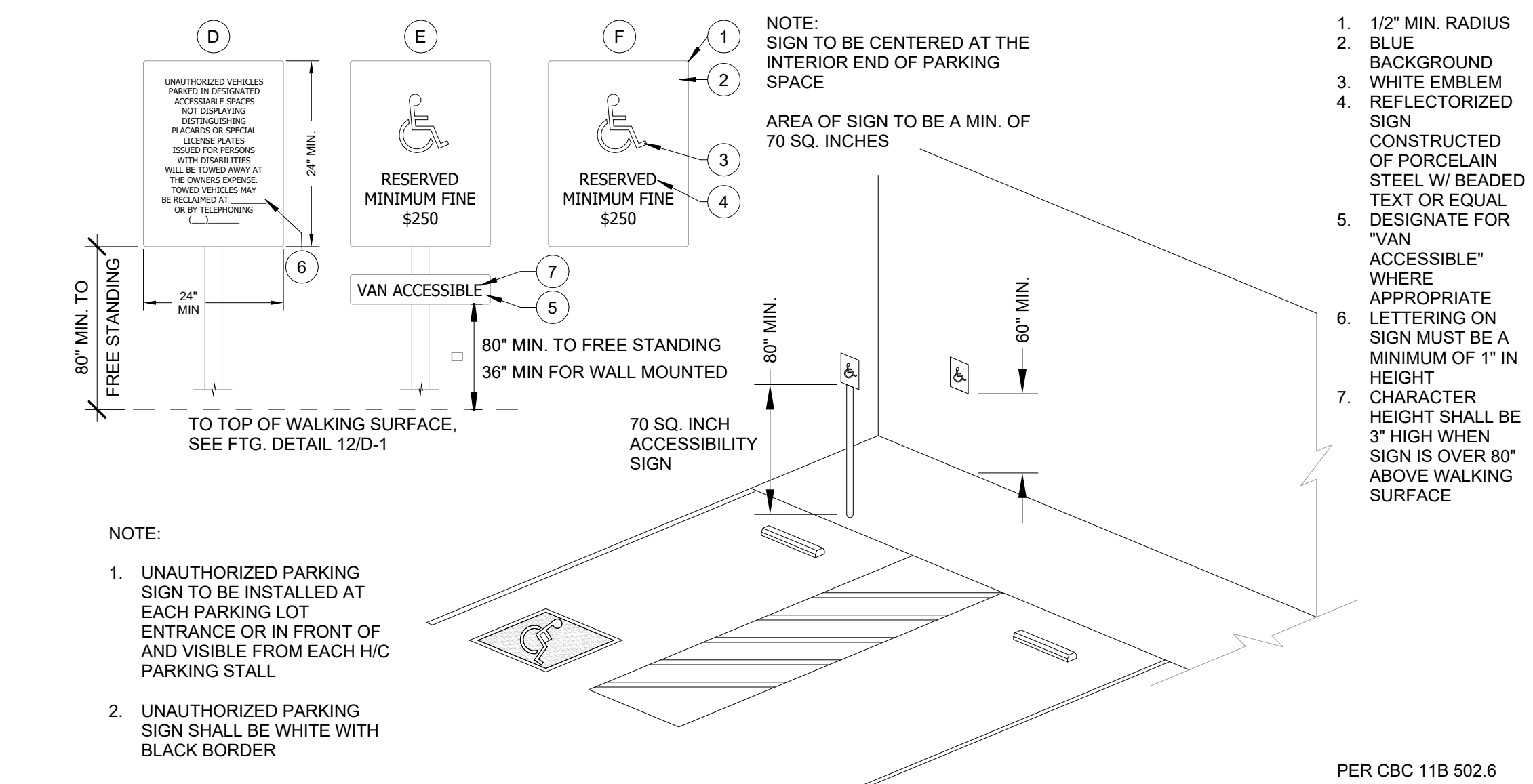
- THE WORDS "NO PARKING" SHALL BE PAINTED ON THE GROUND WITHIN EACH EIGHT FOOT ACCESS AISLE. THIS NOTICE SHALL BE PAINTED WITH WHITE LETTERS NO LESS THAN 12" HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS WHEN A VEHICLE IS PROPERLY PARKED IN THE SPACE.
- THE BORDER OF THE LOADING ACCESS AISLE SHALL BE PAINTED BLUE.
- ALL PARKING SPACE STRIPING SHALL BE 3" WIDE TRAFFIC PAINT, TYPICAL.
- STANDARD INTERNATIONAL SYMBOL OF ACCESSIBILITY PROPORTIONALLY SIZED, PAINTED WHITE.
- 4" WIDE OUTLINE PAINTED WHITE.
- CONCRETE BUMPER WHERE REQUIRED.
- ACCESSIBLE PARKING AND VAN ACCESSIBLE SIGN, SEE (1D-2).
- LOADING ZONE BORDER SHALL BE 3" WIDE TRAFFIC PAINT BLUE.
- THE HATCHING WITHIN THE LOADING ACCESS AISLE SHALL BE PAINTED WHITE OR BLUE, A COLOR CONTRASTING WITH THE PARKING SURFACE, AT 36" MAXIMUM ON CENTER.
- (E) 1:12 MAX SLOPE CONCRETE CURB RAMPS.
- (E) TRUNCATED DOMES.



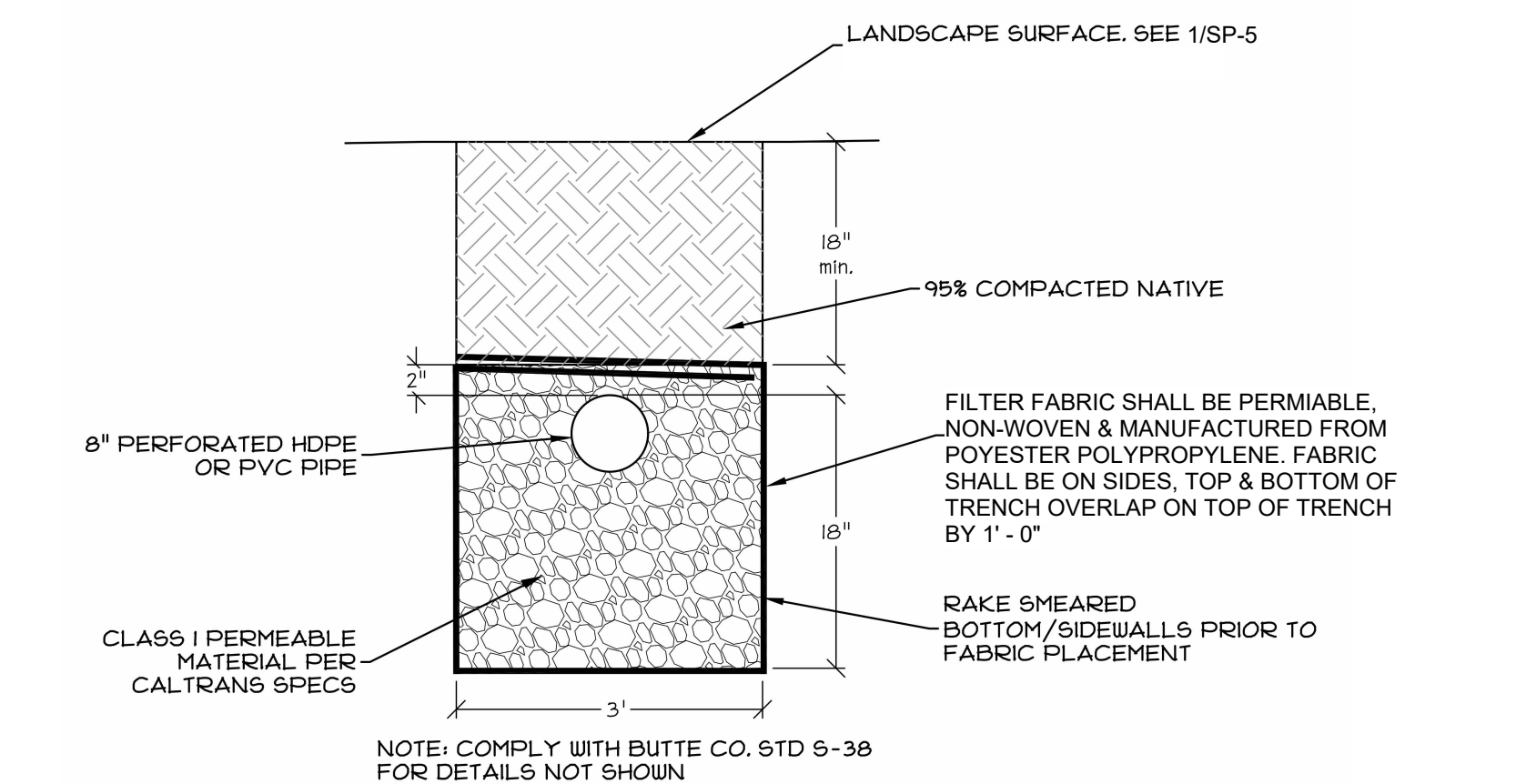
8 AREA DRAIN DETAIL
12" = 1'-0"



4 TRUNCATED DOMES
6" = 1'-0"



1 NEW & EXISTING ACCESSIBLE PARKING SIGNAGE
1" = 80'-0"

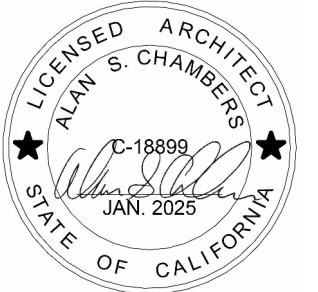


7 LEACH TRENCH SECTION
12" = 1'-0"



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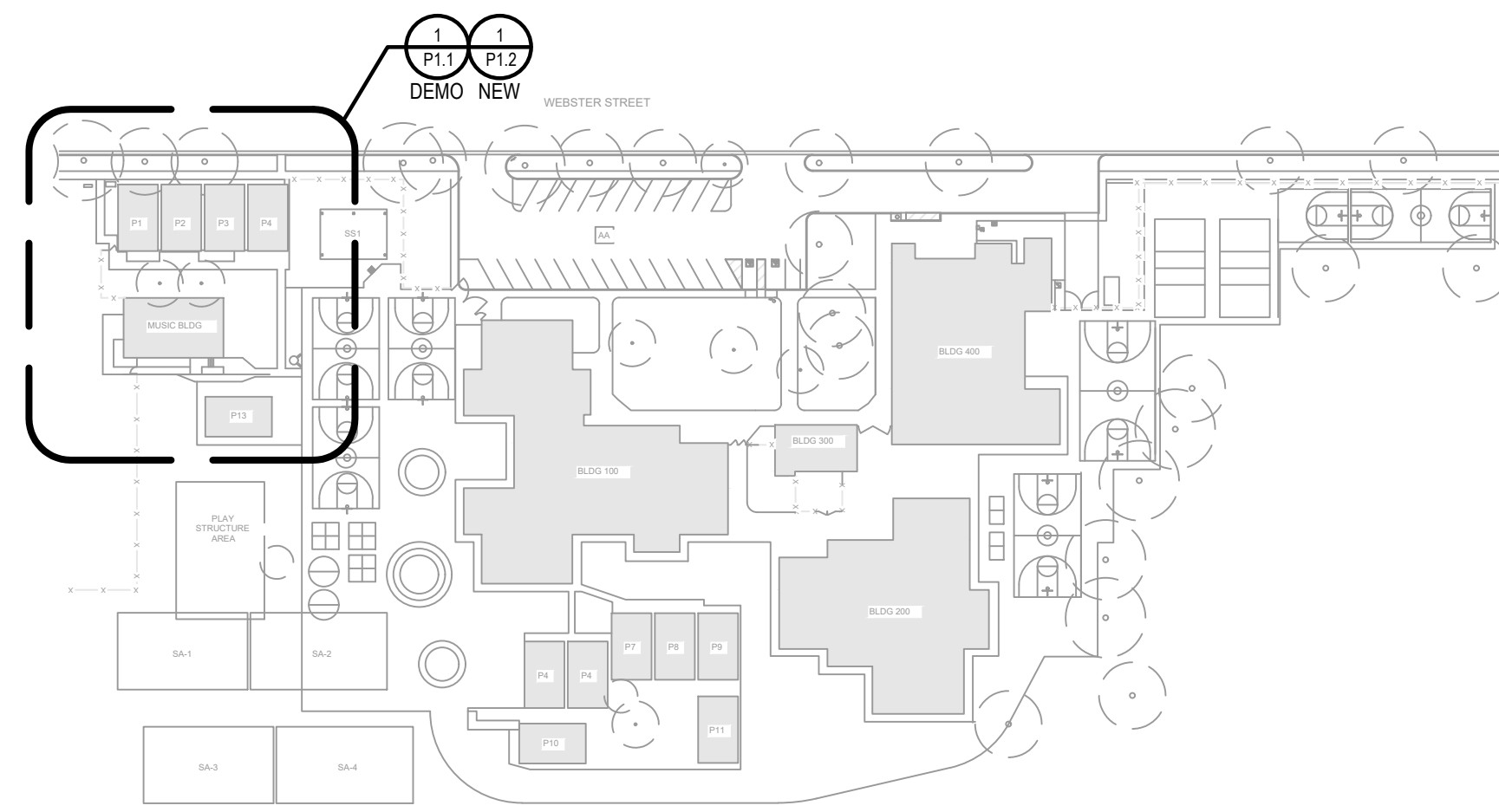
DETAILS

Project number	2345
Date	3/19/24
Drawn by	KC
Checked by	AC

D-2

Scale As indicated

PLUMBING LEGEND		
ABBREV.	DESCRIPTION	SYMBOL
(ABC)	ABOVE CEILING	
AFF, AFG	ABOVE FINISHED FLOOR, GRADE	
BFF	BELOW FINISHED FLOOR	
BFP	BACKFLOW PREVENTER	
CD	CONDENSATE DRAIN PIPE	— CD —
CDO	CONDENSATE DRAIN OVERFLOW PIPE	- - - CDO - - -
CV	CHECK VALVE	
CO	CLEANOUT, PLUG CLEANOUT	
CW	DOMESTIC COLD WATER PIPE	— CW —
DFU	DRAINAGE FIXTURE UNIT	
	EQUIPMENT LABEL	
FS	FIRE SPRINKLER, FIRE SERVICE PIPE	— F —
FDC	FIRE DEPARTMENT CONNECTIONS	
FU	FIXTURE UNIT	
FCO	FLOOR CLEANOUT	
(FA), (FB)	FROM ABOVE, FROM BELOW	
G	LOW-PRESSURE NATURAL GAS PIPE	— G —
	GAS SHUT-OFF VALVE, GAS COCK	
GPR	GAS PRESSURE REGULATOR	
GCO	GRADE CLEANOUT	
HB	HOSE BIBB (1/2" AFF, TYP.)	
HW	DOMESTIC HOT WATER PIPE	— HW —
HWR	HOT WATER RECIRCULATION PIPE	— HWR —
HW	HOT WATER PIPE WITH HEAT TRACE	— HW —
IE	INVERT ELEVATION	
(OH)	OVERHEAD	
	PIPE CAP, CUT PIPE	
	PIPE ELBOW UP, PIPE ELBOW DOWN	
	PIPE TEE, PIPE TEE UP, PIPE TEE DOWN	
POC	POINT OF CONNECTION	
PRV	PRESSURE REDUCING VALVE	
P/T	PRESSURE/TEMP. RELIEF VALVE	
	PUMP	
SOV	SHUT-OFF VALVE	
(TA), (TB)	TO ABOVE, TO BELOW	
TP	TRAP PRIMER PIPE	— TP —
	TRAP PRIMER VALVE	
TW	DOMESTIC TEMPERED WATER PIPE	— TW —
TWR	TEMPERED WATER RETURN PIPE	- - - TWR - - -
	UNION, DIELECTRIC UNION	
(UF),(UG),(US)	UNDER FLOOR, GROUND, SLAB	
	VALVE BOX	
V	VENT PIPE	— V —
VTR	VENT TO ROOF	
W	WASTE PIPE	— W —
WCO	WALL CLEANOUT	



1 PLUMBING SITE PLAN
SCALE: NONE

PLUMBING FIXTURE SCHEDULE						
LABEL	DESCRIPTION	PIPE BRANCH SIZE				CLEANOUT
		W	V	CW	HW	
	LABEL: HB-1 HOSE BIBB MAKE/MODEL: WOODFORD 24 HOSE BIBB OPTIONS: ROUGH BRASS FINISH, 3/4" INLET, VACUUM BREAKER, LOOSE KEY, REMOVABLE METAL HANDLE	--	--	3/4"	--	NO

PIPE MATERIAL SCHEDULE				
TYPE	INSIDE	OUTSIDE	INSULATION	REMARKS
COLD WATER	N/A	ABOVE GRADE: TYPE-L COPPER BELOW GRADE: SCH. 40 PVC	INSULATE ALL EXTERIOR PIPING	PROVIDE ALUMINUM JACKETING W/ BANDING FOR EXTERIOR EXPOSED PIPE INSULATION
WASTE & VENT	N/A	ABOVE GRADE: NO-HUB CAST IRON BELOW GRADE: SDR-35 PVC	--	SLOPE PIPE MIN. 1/4" PER FOOT. PAINT EXPOSED PIPE TO MATCH BUILDING.
CONDENSATE DRAIN	N/A	TYPE-M COPPER	--	SLOPE PIPE MIN. 1/4" PER FOOT. PAINT EXPOSED PIPE TO MATCH BUILDING.

SEISMIC ANCHORAGE AND BRACING NOTE

MEP COMPONENT ANCHORAGE NOTE
ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

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

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

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

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

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

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):
MP MD PP E - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
MP MD PP E - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) # _____

PLUMBING ABBREVIATIONS			
(ABC)	ABOVE CEILING	IE	INVERT ELEVATION
AD	ACCESS DOOR	MBH	THOUSAND BTU/HR
ADA	AMERICAN'S WITH DISABILITIES ACT	M.C.	MECHANICAL CONTRACTOR
AFF, AFG	ABOVE FINISHED FLOOR, GRADE	MCA	MINIMUM CURRENT AMPACITY
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MFR	MANUFACTURER
ARCH.	ARCHITECT, ARCHITECTURAL	MOCF	MAX. OVERCURRENT PROTECTION
BFF	BELOW FINISHED FLOOR	(N)	NEW
BHP	BRAKE HORSEPOWER	NPSH	NET POSITIVE SUCTION HEAD
BLKG	BLOCKING	O.C.	ON CENTER
BTUH	BRITISH THERMAL UNITS	(OH)	OVERHEAD
CFH	CUBIC FEET PER HOUR	P.C.	PLUMBING CONTRACTOR
COMB.	COMBUSTION	PH	PHASE
CONN.	CONNECT, CONNECTION	PSI	POUNDS PER SQUARE INCH
CONT.	CONTINUOUS	P.T.	PRESSURE-TREATED
CSST	CORRUGATED STAINLESS STEEL TUBING	(R)	RELOCATED
DIA., Ø	DIAMETER	RPM	ROTATIONS PER MINUTE
DDC	DIRECT DIGITAL CONTROLS	SMS	SHEET METAL SCREW
DFU	DRAINAGE FIXTURE UNITS	S.S.	STAINLESS STEEL
DN	DOWN	STL.	STEEL
(E)	EXISTING	(TA), (TB)	TO ABOVE, TO BELOW
E.C.	ELECTRICAL CONTRACTOR	TBR	TO BE REMOVED
EMS	ENERGY MANAGEMENT SYSTEM	TDH	TOTAL DYNAMIC HEAD
(F)	FUTURE	TR	TO REMAIN
(FA), (FB)	FROM ABOVE, FROM BELOW	TYP.	TYPICAL
FLA	FULL LOAD AMPS	(UF), (US)	UNDER FLOOR, UNDER SLAB
FPS	FEET PER SECOND	(UG)	UNDERGROUND
F.S.C.	FIRE SPRINKLER CONTRACTOR	U.N.O	UNLESS NOTED OTHERWISE
FU	FIXTURE UNITS	VB	VALVE BOX
GA.	GALVE	V	VOLTAGE
GALV.	GALVANIZED	VFD	VARIABLE FREQUENCY DRIVE
G.C.	GENERAL CONTRACTOR	VTR	VENT THRU ROOF
GPF	GALLONS PER FLUSH	W.C., W.G.	WATER COLUMN, WATER GAUGE
GPH, GPM	GALLONS PER HOUR, MINUTE	WPD	WATER PRESSURE DROP
HP	HORSEPOWER		
HZ	HERTZ		



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for the
Colusa Unified School District

CALIFORNIA

COLUSA COUNTY

COLUSA

No.	Description	Date

ME SYSTEMS ENGINEERING
MECHANICAL & ENERGY ENGINEERING
5098 Foothills Blvd, Ste 3 PMB 382
Roseville, CA 95747
(916) 774-6330

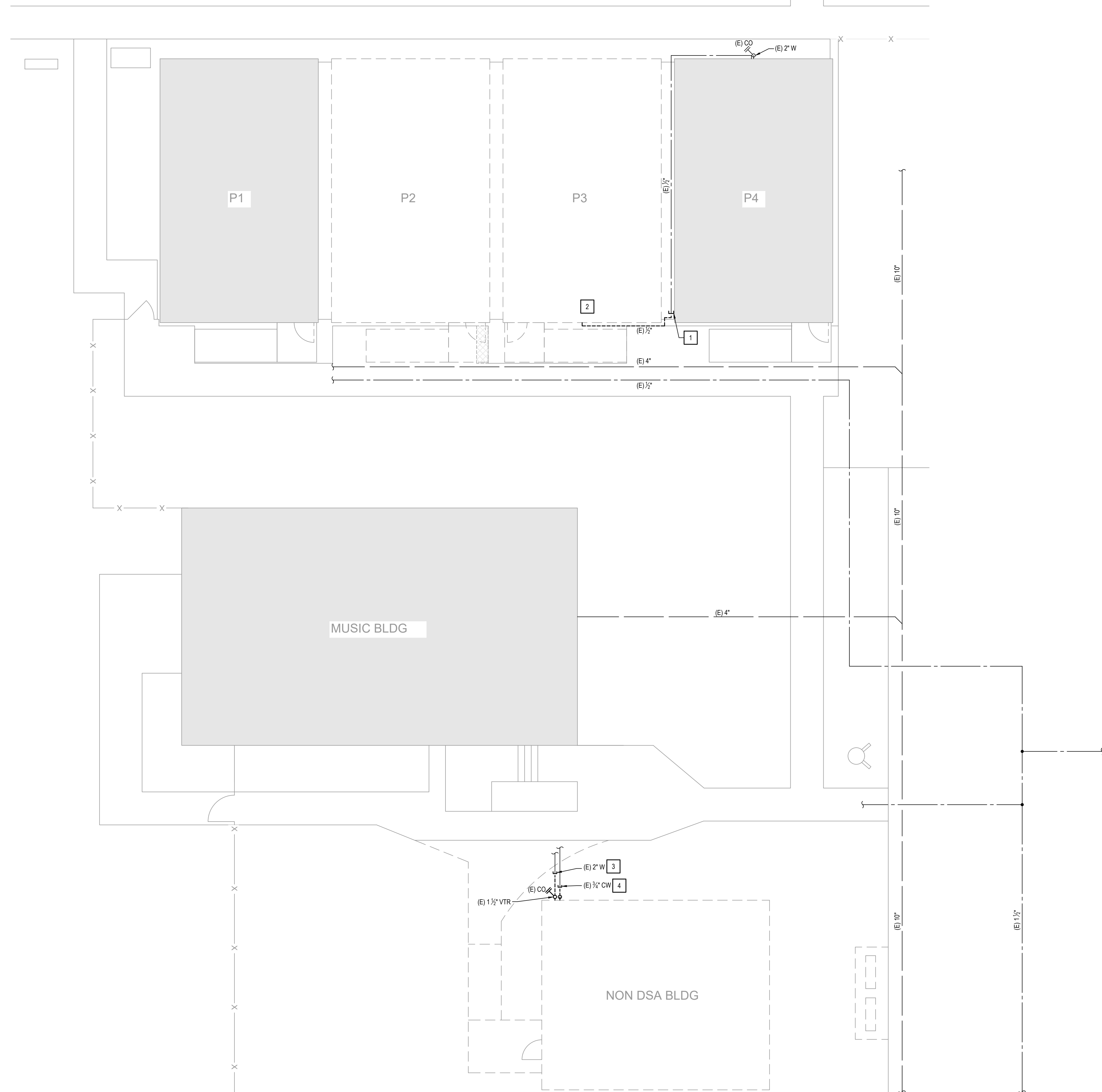


PLUMBING SCHEDULES, DETAILS, AND LEGEND

Project number	--
Date	3/13/2024
Drawn by	--
Checked by	ST

P0.1

Scale AS NOTED



1 ENLARGED DEMOLITION PLUMBING
SITE PLAN
 SCALE: 1/8" = 1'-0"

KEYNOTES:

- 1 CAP AND REMOVE (E) CW ON EXTERIOR WALL TO (E) BUILDING P3 (VERIFY EXACT LOCATION). (E) CW TO (E) BUILDING P4 TO REMAIN.
- 2 CAP AND REMOVE (E) WASTE TO (E) BUILDING P3 (VERIFY EXACT LOCATION).
- 3 CUT AND REMOVE (E) WASTE AND VENT TO (E) BUILDING. PREP (E) WASTE FOR (N) CONNECTION.
- 4 CUT AND REMOVE (E) CW TO (E) BUILDING. PREP (E) CW FOR (N) CONNECTION.



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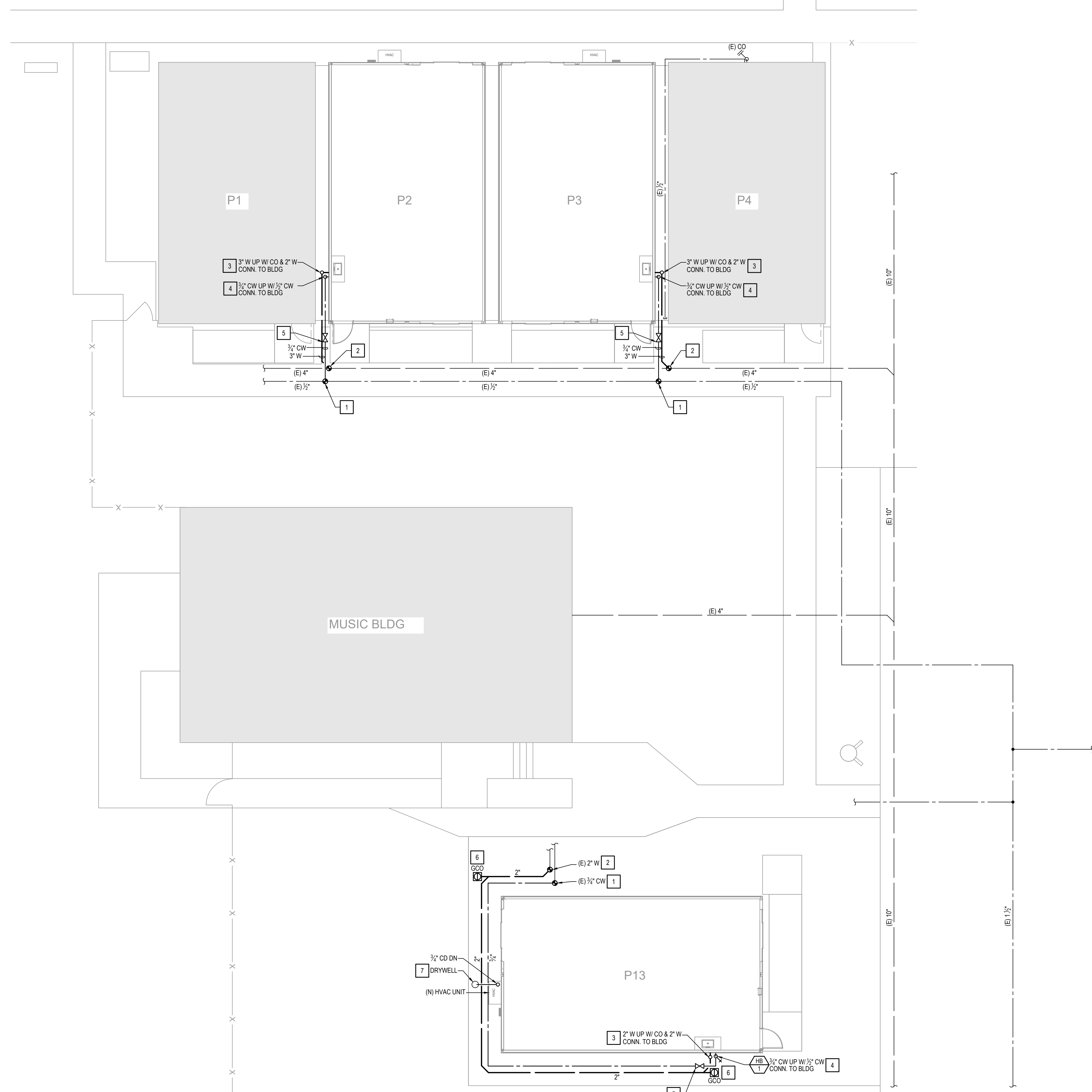


ENLARGED DEMOLITION PLUMBING SITE PLAN

Project number	--
Date	3/13/2024
Drawn by	--
Checked by	ST

P1.1

Scale AS NOTED



1 ENLARGED NEW PLUMBING SITE PLAN
 SCALE: 1/8" = 1'-0"

KEYNOTES:

- CONNECT (N) CW TO (E) CW (VERIFY EXACT LOCATION). FOR PIPE TRENCH SEE
- CONNECT (N) WASTE TO (E) WASTE. VERIFY EXACT LOCATION AND DEPTH OF (E) WASTE. FOR PIPE TRENCH SEE
- CONNECT (N) WASTE W/ BUILDING CLEANOUT TO (N) RELOCATABLE BUILDING WASTE STUB (SEE BUILDING MFR PLANS SHEET A1.0R). SEE
- ROUTE (N) CW UP TO ABOVE GRADE W/ HOSE BIBB (WHERE INDICATED). CONNECT (N) CW TO (N) RELOCATABLE BUILDING CW STUB (SEE BUILDING MFR PLANS SHEET A1.0R). INSULATE AND JACKET ALL EXPOSED CW. SEE
- PROVIDE (N) BUILDING LINE-SIZE CW SHUTOFF VALVE IN A VALVE BOX.
- PROVIDE GRADE CLEANOUT. SEE
- ROUTE (N) 3/4" CONDENSATE DRAIN W/ AIR GAP FITTING DOWN FROM (N) HVAC UNIT TO (N) CONDENSATE DRYWELL. SEE



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CLALFORNIA
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ME SYSTEMS ENGINEERING
 MECHANICAL & ENERGY ENGINEERING
 5098 Foothills Blvd, Ste 3 PMB 382
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 (916) 774-6330

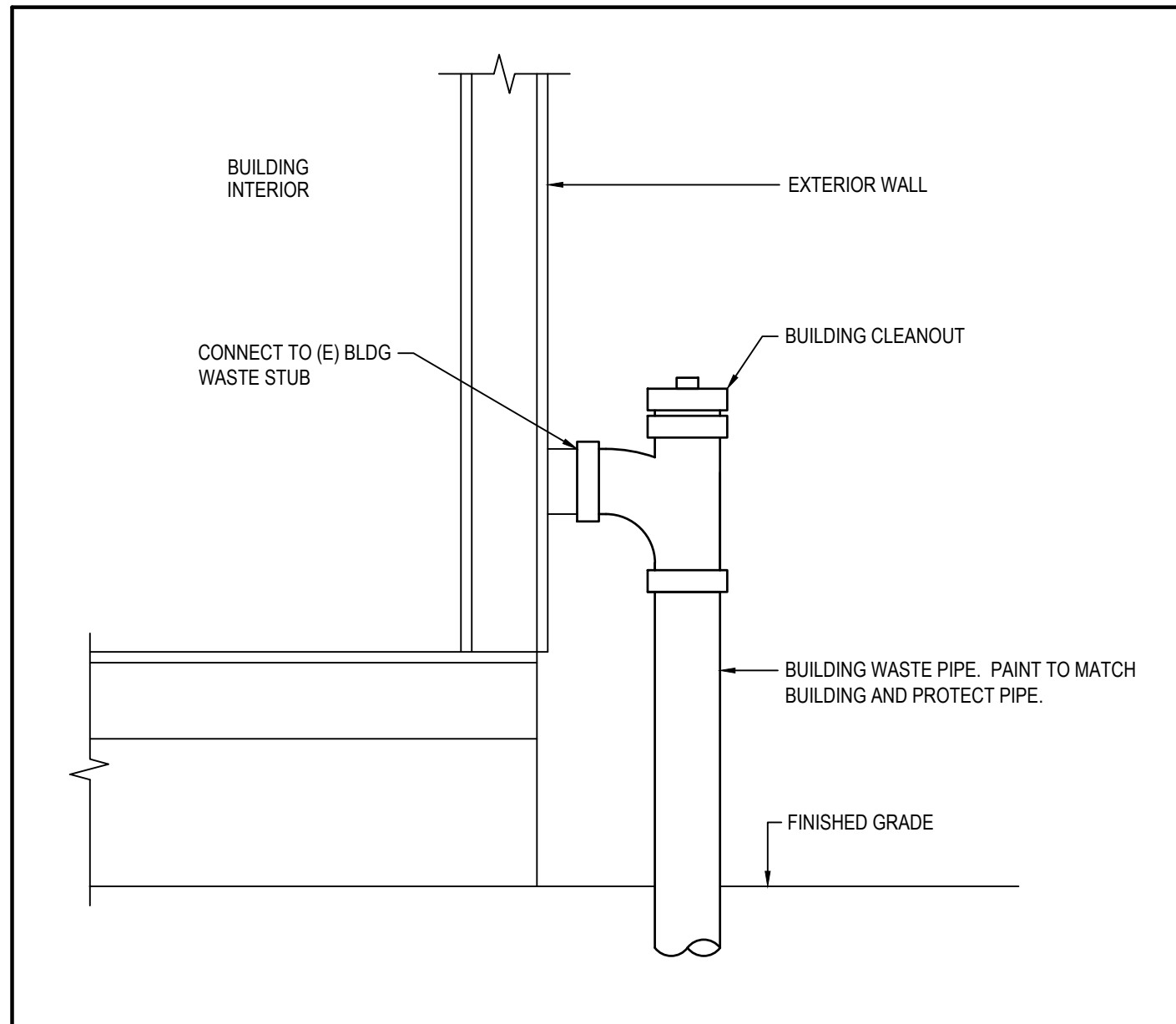


ENLARGED NEW PLUMBING SITE PLAN

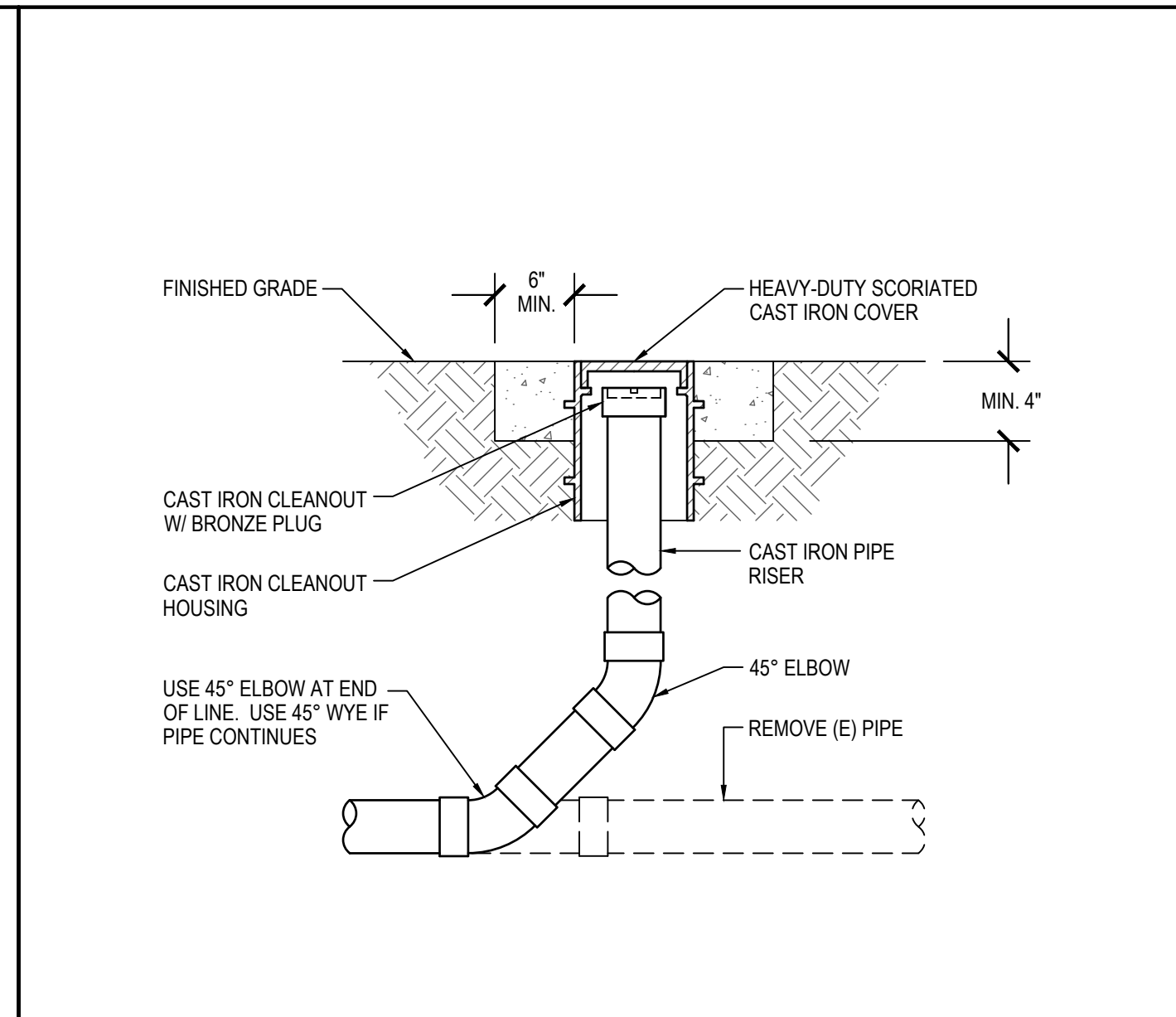
Project number	--
Date	3/13/2024
Drawn by	--
Checked by	ST

P1.2

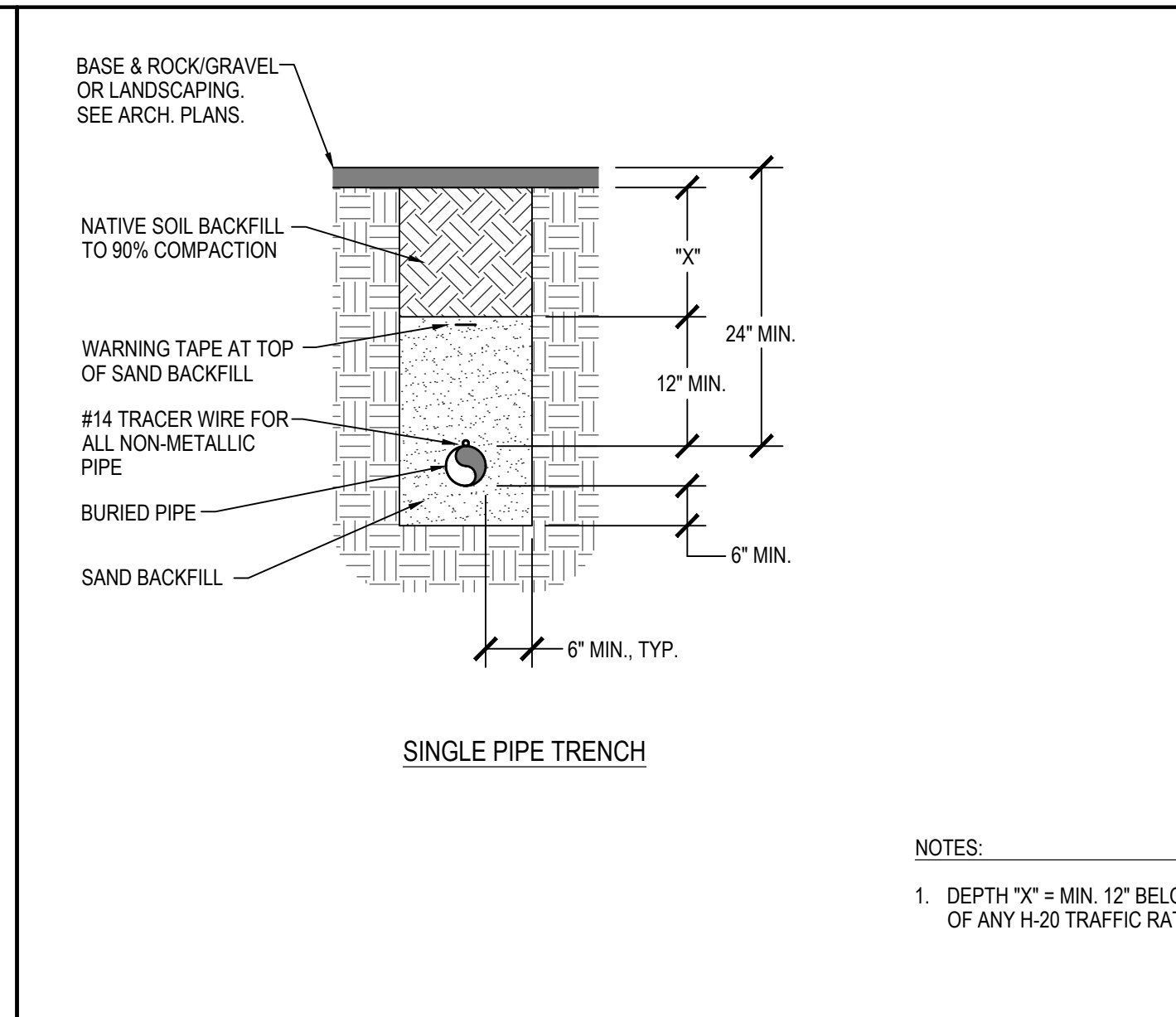
Scale AS NOTED



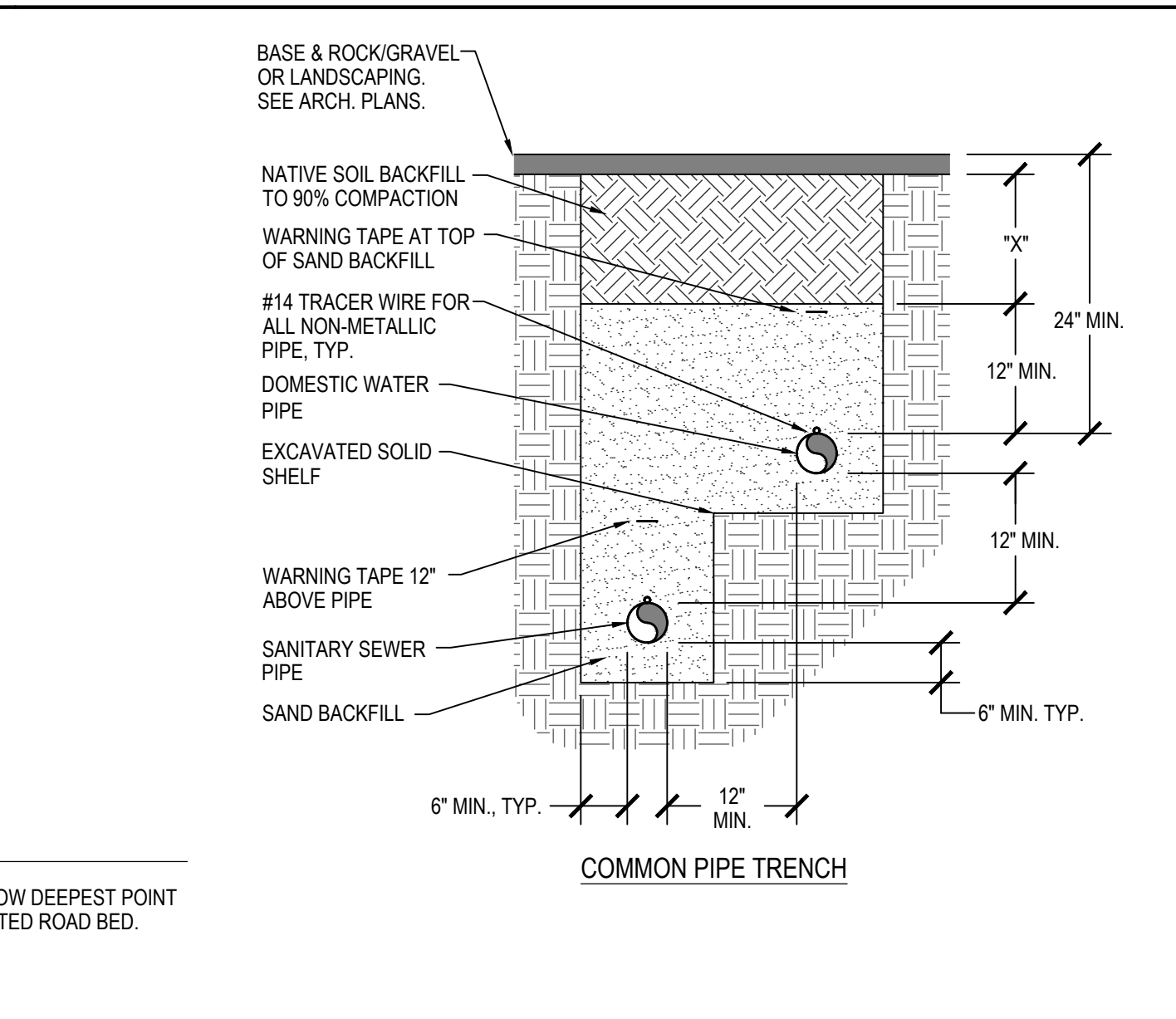
3 BUILDING WASTE CONNECTION
SCALE: NONE



2 GRADE CLEANOUT
SCALE: NONE



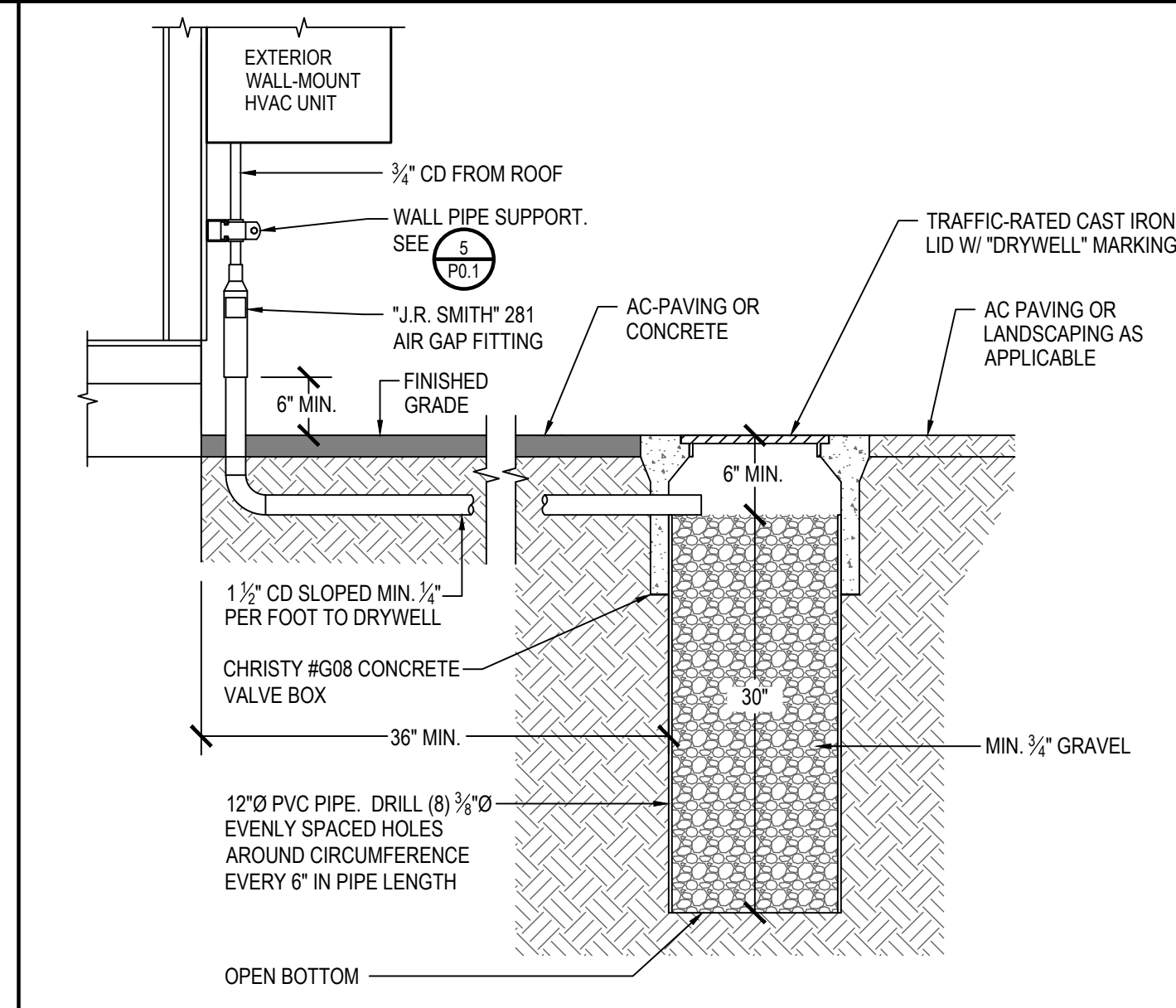
1 PIPE TRENCH
SCALE: NONE



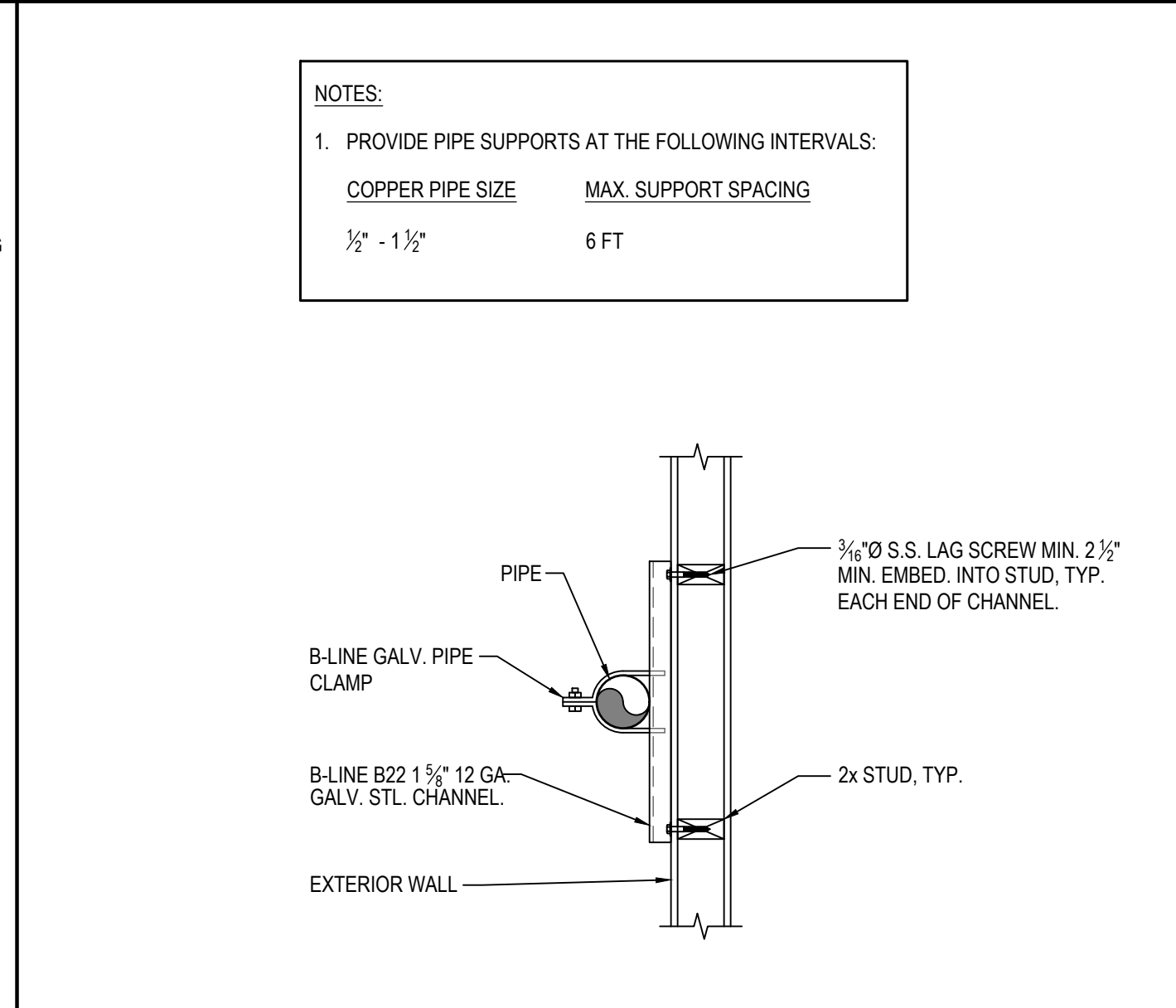
1 PIPE TRENCH
SCALE: NONE



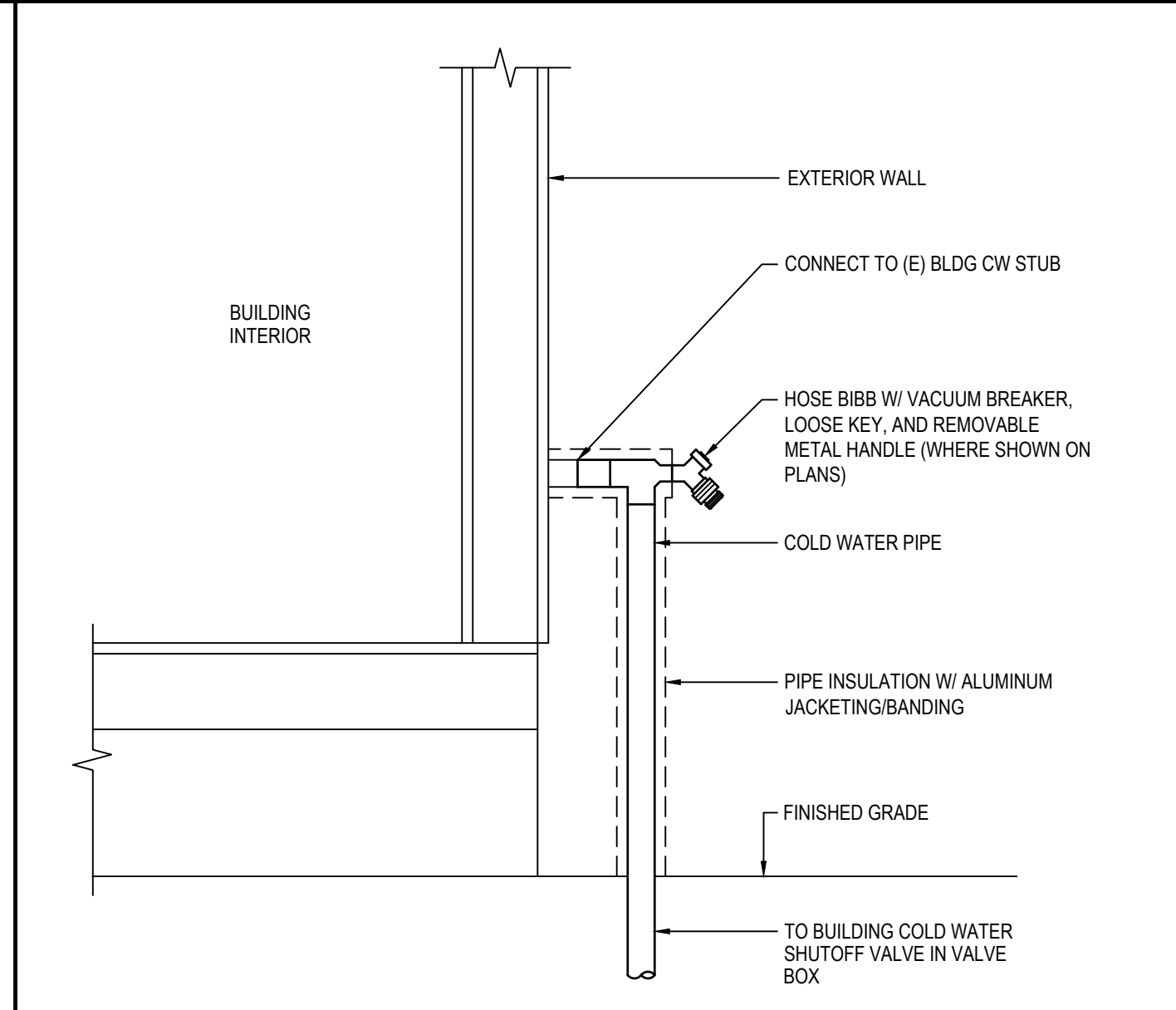
6 CONDENSATE DRYWELL



5 WALL PIPE SUPPORT



5 WALL PIPE SUPPORT



4 BUILDING CW CONNECTION



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530-898-0123

ALAN CHAMBERS
Architect

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at
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CLIFORNIA

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PLUMBING DETAILS

Project number	--
Date	3/13/2024
Drawn by	--
Checked by	ST

P2.1

Scale AS NOTED

ABBREVIATIONS			
1PH, 3PH 1P, 2P, 3P 3W, 4W	1 PHASE, 3 PHASE 1 POLE, 2 POLE, 3 POLE 3 WIRE, 4 WIRE	MCA MCB MCC MLO MOCP	-M- MINIMUM CIRCUIT AMPACITY MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MAIN LUGS ONLY MAXIMUM OVER-CURRENT PROTECTION EMPTY CONDUIT W/ PULL-LINE
(E) (ER) (N) (R)	EXISTING EXISTING RELOCATED NEW RELOCATE	MT	
A, AMPS AC AF AFC AIC	-A- AMPERES ALTERNATING CURRENT FRAME RATING IN AMPERES ABOVE FINISHED FLOOR AMPERES INTERRUPTING CAPACITY	NC NCTC NEC NEMA	-N- NORMALLY CLOSED NURSE CALL TERMINAL CABINET NATIONAL ELECTRIC CODE NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION NOT INCLUDED IN ELECTRICAL SCOPE
AL, ALUM ATS AT AWG	ALUMINUM AUTO TRANSFER SWITCH TRIP RATING IN AMPERES AMERICAN WIRE GAUGE	NIES NL NO NTS	NIGHT LIGHT NORMALLY OPEN NOT TO SCALE
BTR	-B- BUILDING TELECOM ROOM	OCP OFCI	-O- OVER-CURRENT PROTECTION OWNER FURNISHED CONTRACTOR INSTALLED OWNER FURNISHED OWNER INSTALLED
C CB,C/B CEC CT CU	-C- CONDUIT CIRCUIT BREAKER CALIFORNIA ELECTRICAL CODE CURRENT TRANSFORMER COPPER	OFOI	
DC	-D- DIRECT CURRENT	PT PVC PFF	-P- POTENTIAL TRANSFORMER POLYVINYL CHLORIDE CONDUIT PROVISIONS FOR FUTURE
EA ELEC EMT	-E- EACH ELECTRICAL ELECTRICAL METALLIC TUBING	RLA RSC	-R- RUNNING LOAD AMP RIGID STEEL CONDUIT
FA FACP FATC FLA FT	-F- FIRE ALARM FIRE ALARM CONTROL PANEL FIRE ALARM TERMINAL CABINET FULL LOAD AMPS FOOT OR FEET	SPD SPDT SPST SST SWBD	-S- SURGE PROTECTION DEVICE SINGLE POLE DOUBLE THROW SINGLE POLE SINGLE THROW SOLID STATE TRIP SWITCHBOARD
G, GND GA GFCI	-G- GROUND GAUGE GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT INTERRUPTER	TER TR TM TTB	-T- TELECOM EQUIPMENT ROOM TELECOM ROOM THERMAL MAGNETIC TERMINAL BACKBOARD
GFI		UG UL UON UPS	-U- UNDERGROUND UNDERWRITERS LAB. UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY
HOA HP	-H- HAND-OFF-AUTO HORSE POWER	V VA VAC	-V- VOLTS VOLT-AMPS VOLTS ALTERNATE CURRENT
J-BOX	-J- JUNCTION BOX	W WP	-W- WATTS WEATHERPROOF
KVA KW	-K- ONE THOUSAND VOLT-AMPS ONE THOUSAND WATTS	XFMR XFER	-X- TRANSFORMER TRANSFER SWITCH
LCP LTG	-L- LIGHTING CONTROL PANEL LIGHTING		

POWER DISTRIBUTION SYMBOLS	
SYMBOL	DESCRIPTION
	NON FUSED DISCONNECT SWITCH. NUMBER ADJACENT INDICATES AMPERE RATING OF SWITCH.
	FUSED DISCONNECT SWITCH WITH CLASS 'R' DUAL ELEMENT FUSES. NUMBER ADJACENT INDICATES THE FOLLOWING: XX/XX/XX = AMP SWITCH/POLES/AMP FUSE
	CONTROL/EQUIPMENT PROVIDED UNDER ANOTHER DIVISION. PROVIDE POWER CONNECTION(S) AS NOTED ON PLAN.
	MOTOR PROVIDED UNDER ANOTHER DIVISION, PROVIDE POWER CONNECTION AS NOTED ON PLANS.
	DISTRIBUTION PANEL/MOTOR CONTROL CENTER.
	BRANCH CIRCUIT PANELBOARD, FLUSH MOUNTED.

STANDARD ELECTRICAL SYMBOLS	
SYMBOL	DESCRIPTION
	ASYMMETRIC INTERRUPTING CIRCUIT RATING.
	FEEDER TAG, SEE FEEDER SCHEDULE.
	EQUIPMENT DESIGNATION.
	NUMBERED NOTE.
	EQUIPMENT.
	FOOD SERVICE EQUIPMENT.
	TRANSFORMER.
	UTILITY METER.
	CIRCUIT BREAKER.
	POWER MONITOR CAPABLE OF READING INSTANTANEOUS DEMAND AND KWH(RESETTABLE).

LIGHTING SYMBOLS	
SYMBOL	DESCRIPTION
	EXIT SIGN
	OUTDOOR LED POLE.
	COMBINATION EXIT/EGRESS LIGHT.
	EGRESS LIGHT
	WALL MOUNTED DIMMING OCCUPANCY SENSOR, MOUNTED +48" MAX AFF.
	MULTI-POLE LOW VOLTAGE DIMMING CONTROLS, WALL MOUNTED +48" MAX A.F.F. TO TOP OF BOX. STUB 1" INTO ACCESSIBLE CEILING SPACE, TERMINATE W/ INSULATED BUSHING. a,b,c... INDICATES ZONES. CEC AND U.L. LISTED
	LOW VOLTAGE LIGHTING CONTROL OVERRIDE SWITCH, WALL MOUNTED +48" MAX A.F.F. TO TOP OF BOX. CEC AND U.L. LISTED
	CEILING MOUNTED OCCUPANCY SENSOR.
	CEILING/PENDENT MOUNTED PHOTO SENSOR.

RACEWAY SYMBOLS	
SYMBOL	DESCRIPTION
	RACEWAY INSTALLED IN CEILING OR WALL. ROUTE EXPOSED IN ALL UNFINISHED AREAS.
	RACEWAY INSTALLED BELOW FINISHED FLOOR OR GRADE.
	EXISTING CONDUIT RUN, VERIFY ROUTING ON THE JOB.
	ARROW AT END OF RACEWAY INDICATES HOME RUN TO RESPECTIVE PANELBOARD OR SWITCHBOARD.
	BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES A 2 #12 AWG CIRCUIT WITH 1 #12 AWG GROUND.
	STRAIGHT CROSS-LINES IN BRANCH CIRCUIT RACEWAY INDICATE NUMBER OF #12 AWG WIRES IN A CIRCUIT. SHORT LINES INDICATE UNGROUNDED CONDUCTORS. LONG LINES INDICATE NEUTRAL CONDUCTORS. WIRES SHOWN ARE IN ADDITION TO 1 #12 AWG GROUNDING CONDUCTOR.
	BRANCH CIRCUIT WITH GROUNDING WIRE LARGER THAN #12 AWG. NUMBER ADJACENT TO CURVED CROSS-LINE INDICATES WIRE SIZE.
	BRANCH CIRCUIT RACEWAY WITH WIRE OTHER THAN #12 AWG. NUMBER ADJACENT TO STRAIGHT OR CURVED CROSS-LINES INDICATES WIRE SIZE. UNGROUNDED AND NEUTRAL CONDUCTORS SHALL BE THE SAME SIZE UNLESS OTHERWISE NOTED.
	FLEX CONDUIT OR METAL CLAD CABLE.
	INDICATES RACEWAY TURNING UP.
	INDICATES RACEWAY TURNING DOWN.
	INDICATES RACEWAY STUB, TERMINATE W/ BUSHING OR CAP IF UNDERGROUND.

SEISMIC ANCHORAGE AND BRACING NOTE

Applicable Code: 2022 CBC
 MEP COMPONENT ANCHORAGE NOTE
 ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

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

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

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

Applicable Code: 2022 CBC PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE
 PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.
 THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):
 MP MD PP E - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
 MP MD PP E - OPTION 2: SHALL COMPLY WITH HCAI (OSHPD) PRE-APPROVAL (OPM #) # _____

PLANS BASED UPON AS BUILT AND VISUAL SITE INVESTIGATIONS. VERIFY ALL CIRCUITS IN FIELD PRIOR TO START OF WORK.



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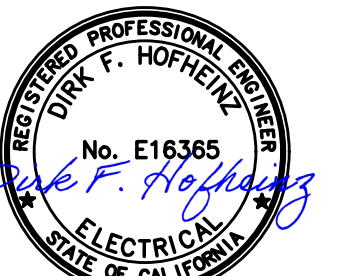
CALIFORNIA

COLUSA COUNTY

COLUSA

No.	Description	Date

DFH & ASSOCIATES
ELECTRICAL ENGINEERING LLC
530.613.7966
P.O. BOX 1362,
MEADOW VISTA, CA 95722
DFHENG@ATT.NET



3/19/24

ABBREVIATIONS,
AND SYMBOLS

Project number ---
Date 01/23/24
Drawn by DFH
Checked by AC

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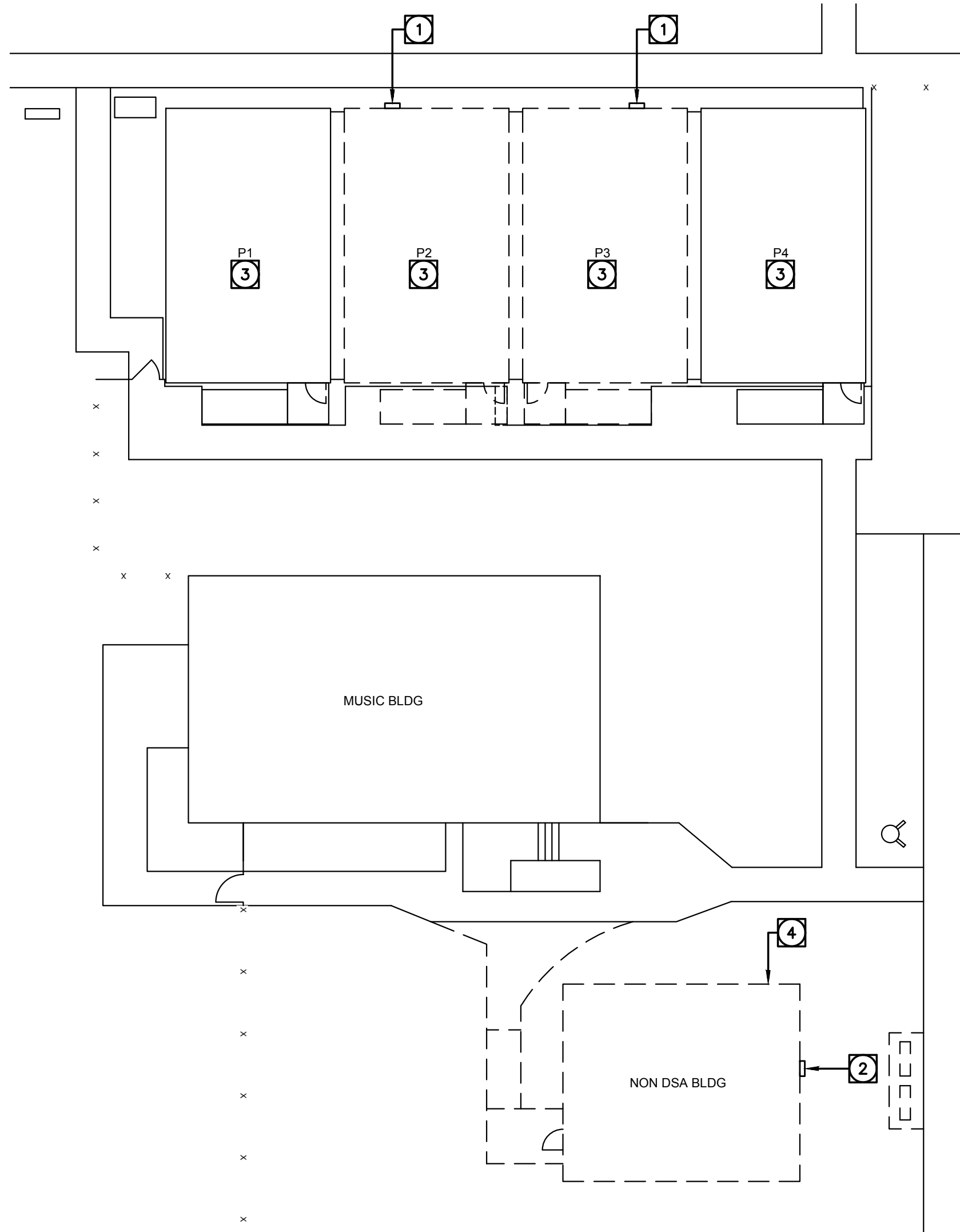
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POWER & SIGNAL PLAN NOTES:

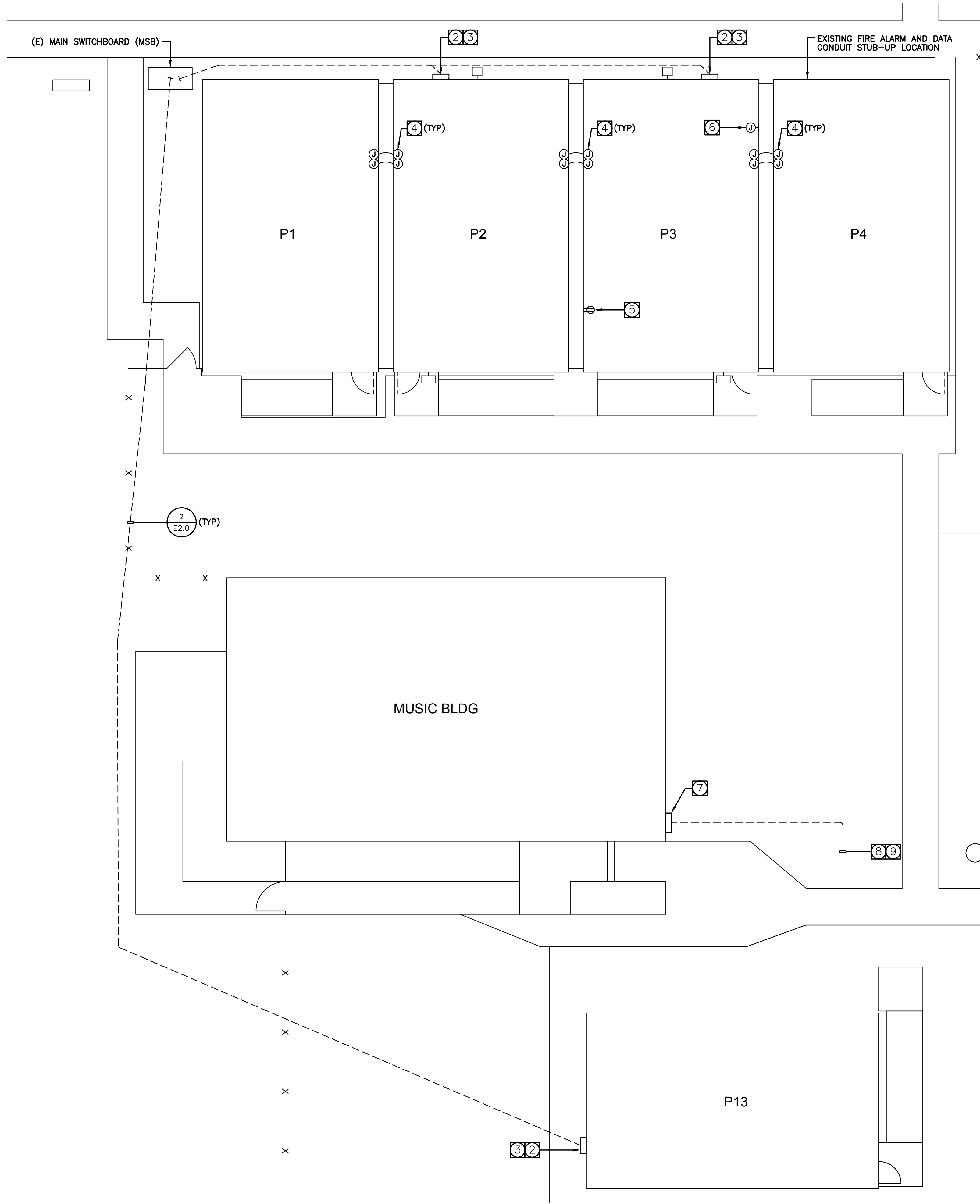
- 1 DATA AND FIRE ALARM BY OTHERS.
- 2 EXISTING PORTABLE DISTRIBUTION PANEL.
- 3 PROVIDE PORTABLE GROUND. SEE DETAIL "4/E2.0".
- 4 PROVIDE (2) 2" CONDUITS FROM AREA ABOVE CEILING IN EACH PORTABLE TO THE NEXT, SEE DETAIL "3/E2.0".
- 5 SERVER CABINET FURNISHED AND INSTALLED BY OTHERS. PROVIDE DEDICATED 120V 20A OUTLET, VERIFY LOCATION WITH SCHOOL DISTRICT.
- 6 PROVIDE DEDICATED CIRCUIT FOR NEW FIRE ALARM CABINET. COORDINATED WITH FIRE ALARM CONTRACTOR.
- 7 FIRE ALARM STC BOX FURNISHED AND INSTALLED BY OTHERS. VERIFY EXACT LOCATION WITH FIRE ALARM PLANS.
- 8 PROVIDE (1) 1" CONDUIT ONLY FROM STC CABINET TO ACCESSIBLE ATTIC LOCATION IN PORTABLE. CONDUIT FOR FIRE ALARM CONDUCTORS BY OTHERS.
- 9 PROVIDE (1) 2" CONDUIT ONLY FROM ACCESSIBLE ATTIC LOCATION IN THE MUSIC BUILDING TO ACCESSIBLE ATTIC LOCATION IN THE PORTABLE. CONDUIT FOR COMMUNICATION CONDUCTORS BY OTHERS.

DEMOLITION PLAN NOTES:

- 1 EXISTING PORTABLE BEING REPLACED WITH NEW. DISCONNECT EXISTING ELECTRICAL SERVICE. EXISTING ELECTRICAL CONDUIT TO BE RELOCATED AND REUSED IN NEW WORK.
- 2 EXISTING PORTABLE BEING REPLACED WITH NEW. REMOVE EXISTING ELECTRICAL SERVICE ENTRANCE AND UTILITY METER. COORDINATE WITH PG&E.
- 3 REMOVE EXISTING FIRE ALARM AND DATA CONDUITS CONNECTED BETWEEN EXISTING PORTABLES P1, P2, P3, & P4.
- 4 REMOVE EXISTING FIRE ALARM AND DATA CONDUITS CONNECTED TO PORTABLE P13.



DEMOLITION PLAN ②
SCALE: 1/16" = 1'-0"



POWER & SIGNAL PLAN ①
SCALE: 1/16" = 1'-0"



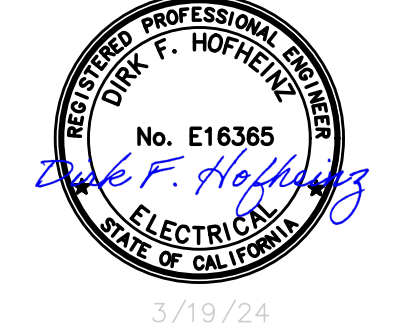
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POWER & SIGNAL PLAN

Project number	---
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Scale

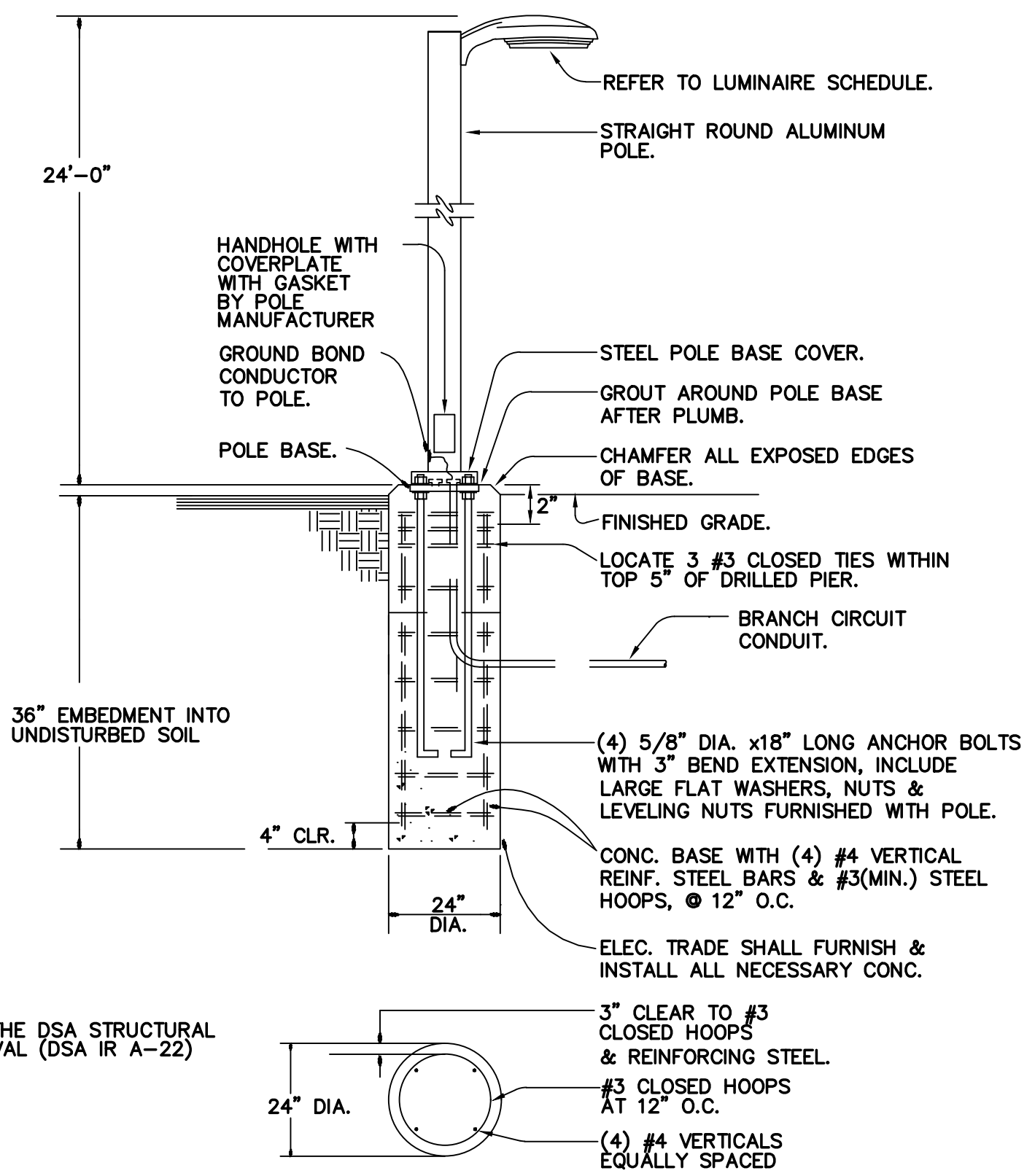
PROVIDE PHOTOCELL CONTROL TO ALL LIGHTS

Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Plot
☒	A		2	Lithonia Lighting	DSX0 LED P3 50K T15 MVOLT	DSX0 LED P3 50K T15 MVOLT	1	8545	0.95	71	
☒	B		9	ORBIT INDUSTRIES, INC.	LP741-30W-P (3000K) DLC S.1	LP741-30W-P (3000K) DLC S.1	1	3412	0.95	29.69	
☒	C		1	Lithonia Lighting	DSX0 LED P3 50K TFFM MVOLT	DSX0 LED P3 50K TFFM MVOLT	1	8553	0.95	71	

11'H X 6.8"W X 5.1"D, 3.5 LBS

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Egress Pathway	+	4.0 fc	16.0 fc	1.1 fc	14.5:1	3.6:1

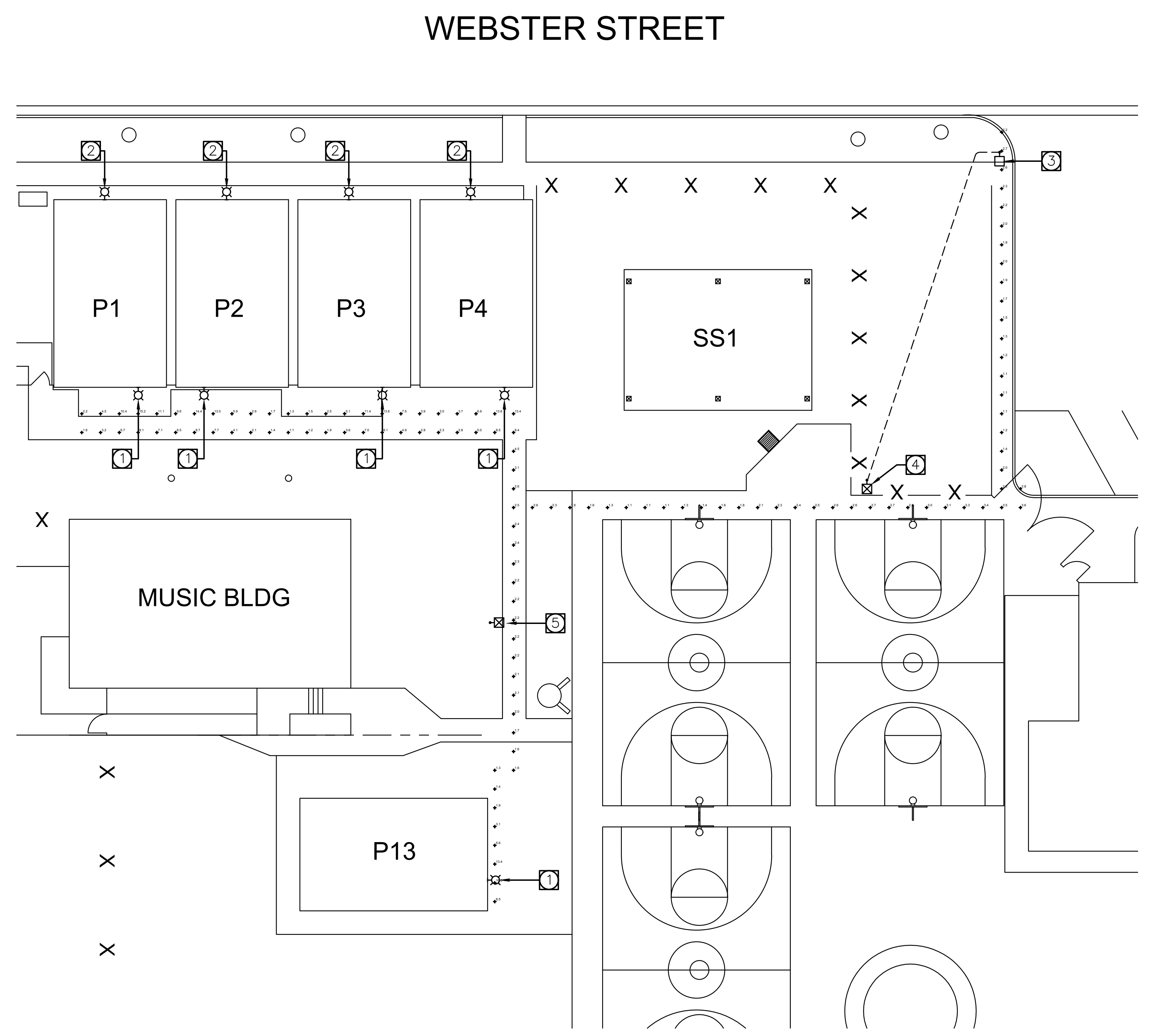
- PLAN NOTES:**
- REPLACE EXISTING WALL PACK WITH ORBIT LP741 FIXTURE CONNECT TO EXISTING CIRCUIT. VERIFY CIRCUIT IS CONSTANT HOT, IF NOT PROVIDE CONSTANT HOT CIRCUIT. FIXTURE IS PHOTOCELL CONTROLLED.
 - REPLACE EXISTING FLOOD LIGHT WITH ORBIT LP741 FIXTURE CONNECT TO EXISTING CIRCUIT. VERIFY CIRCUIT IS CONSTANT HOT, IF NOT PROVIDE CONSTANT HOT CIRCUIT. FIXTURE IS PHOTOCELL CONTROLLED.
 - REPLACE EXISTING POLE LIGHT HEAD WITH NEW. CONNECT TO AND VERIFY EXISTING CIRCUIT. EXISTING CIRCUIT MUST BE CONSTANT HOT. NEW POLE HEAD TO HAVE PHOTOCELL CONTROL.
 - INTERCEPT AND EXTEND EXISTING CIRCUIT IN NOTE #3 TO THIS NEW FIXTURE. CONNECT AS REQUIRED.
 - PROVIDE 20A/1P CIRCUIT BREAKER IN EXISTING SPACE IN P13 ELECTRICAL PANEL. PROVIDE CONSTANT HOT CONNECTION TO THIS FIXTURE. FIXTURE HAS PHOTOCELL CONTROL.
 - PER TITLE 24 SECTION 6.4.2 EXCEPTIONS TO ALL OUTDOOR LIGHTING CONTROLS. ALL LIGHTING CONTROL REQUIREMENTS DO NOT APPLY TO ANY OF THE FOLLOWING LIGHTING APPLICATIONS; 1, "LIGHTING WHERE A HEALTH OR LIFE SAFETY STATUS, ORDINANCE, OR REGULATIONS PROHIBITS OUTDOOR LIGHTING TO BE TURNED OFF OR REDUCE.



SITE LIGHT POLE DIAGRAM
SCALE: N.T.S.

- REINFORCEMENT**
- Steel Reinforcing: ASTM A615 or ASTM A706, deformed; Grade 60 required
 - for No.4 and larger; either Grade 40 or 60 allowed for No.3. Tie Wire: Minimum 16 gauge annealed.
- FABRICATION**
- Fabricate concrete reinforcement in accordance with CRSI Manual of Practice ACI 318-14 per CBC 2022 applicable code.
 - Form standard hooks for 180 degree bends, 90 degree bend, stirrup and tie hooks, and seismic hooks as indicated on Drawings.
 - Form reinforcement bends with minimum diameters in accordance with ACI 318-14 per CBC 2022 applicable code.

Provide concrete to the following criteria:	
Material and Property	Measurement
Compressive Strength (28 day)	3000 psi
Cement Type	ASTM C150
Aggregate Type	Normal weight
Fine Aggregate	40% - 45% of total aggregate volume by weight
Water-Cement Ratio (maximum)	55% by weight
Aggregate Size (maximum)	3/4 inch
Aggregate Size (minimum)	3/8 inch
Fly Ash Content:	15 percent of cementitious materials by weight, maximum
Slump	4 inches plus or minus 1 inch



Photometric Plan
SCALE: 1/16" = 1'-0"

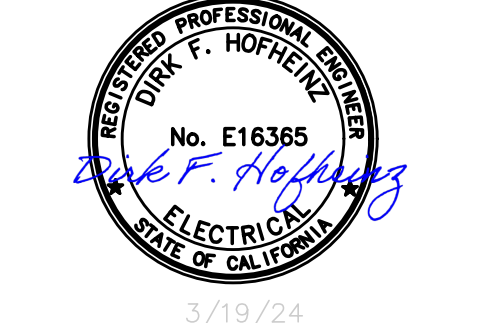
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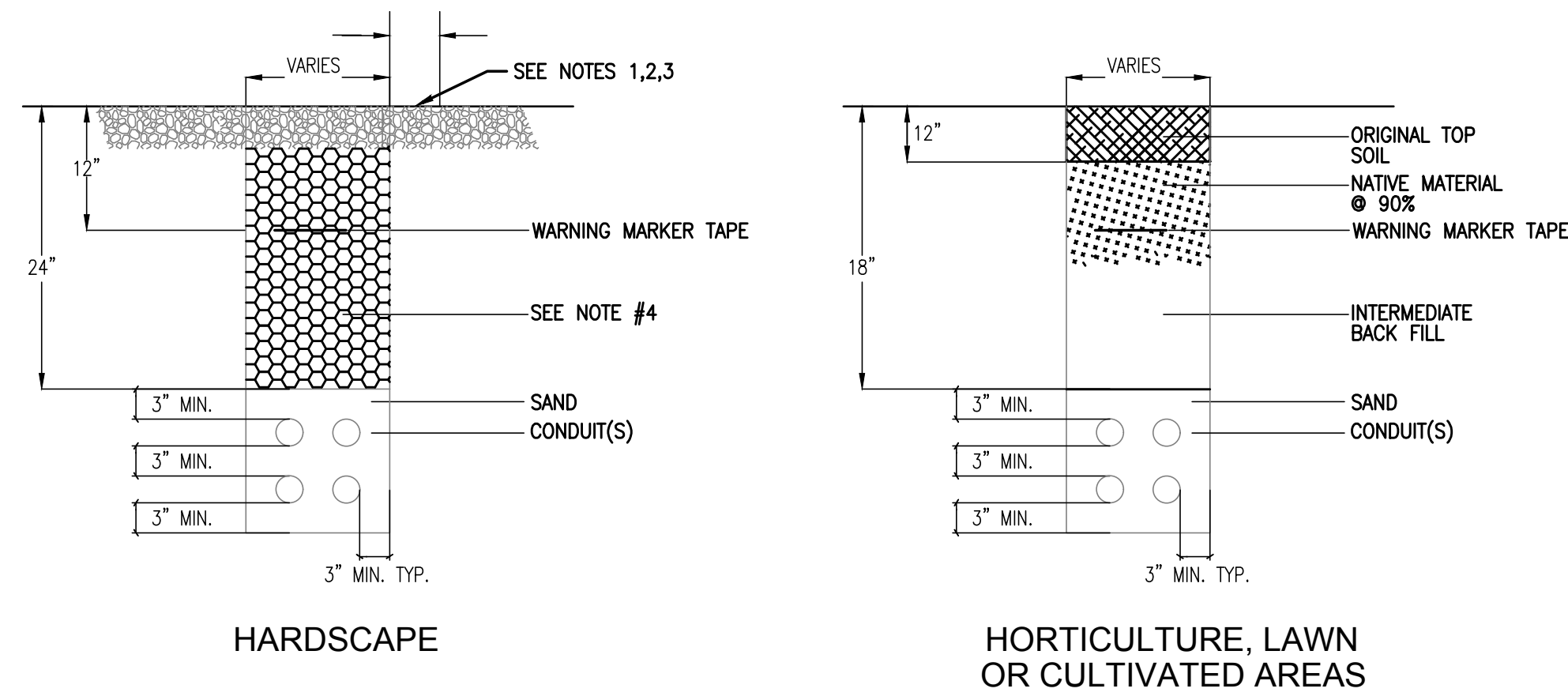


PHOTOMETRIC PLAN

Project number: ---
Date: 01/23/24
Drawn by: DFH
Checked by: AC

E1.2

Scale

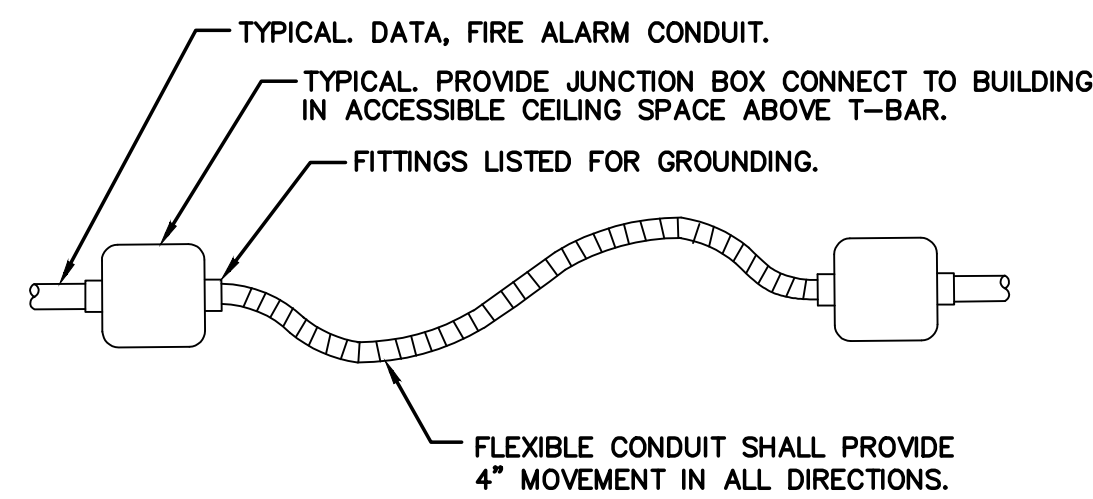


TRENCH DETAILS

SCALE: AS NOTED

NOTES:

1. MATCH EXISTING AC THICKNESS: 4" MINIMUM, 6" MAXIMUM.
2. SAWCUT 6" BEYOND THE WIDTH OF THE TRENCH.
3. T-GRIND REQUIRED FOR ALL PAVEMENTS (6" MINIMUM WIDTH), 1-1/2" DEEP GRIND AND PAVE TO THE LIP OF GUTTER, LANE LINE, OR CENTER OF TRAFFIC LANE (WHICH EVER IS APPLICABLE).
4. 3/4" AGGREGATE BASE @ 90% COMPACTION OR APPROVED SLURRY-CEMENT BACKFILL.

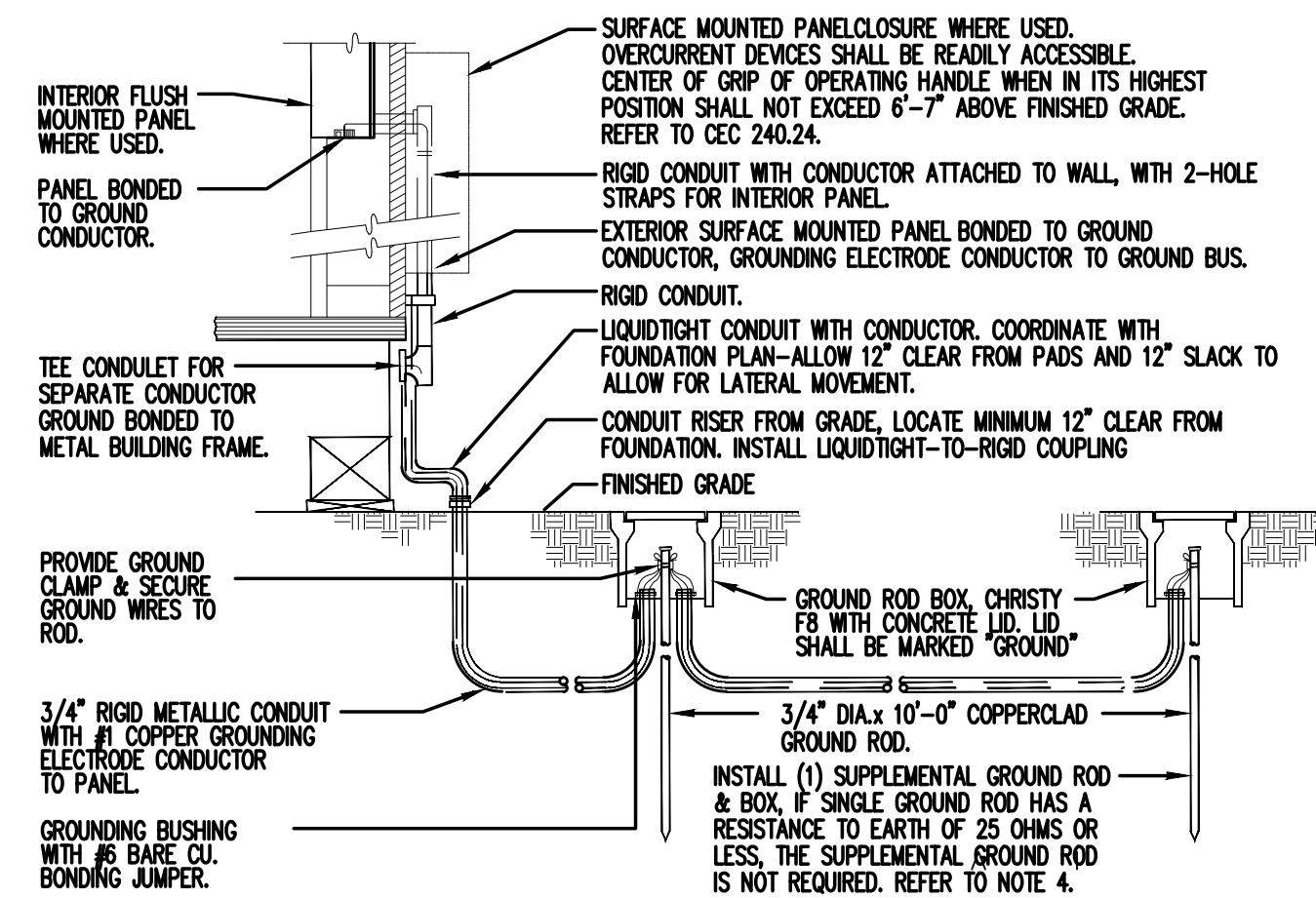


NOTES:

1. PROVIDE AT EACH BUILDING SEPARATION.

CONDUIT BUILDING CROSSING WITH J-BOX

SCALE: N.T.S.



GROUNDING DETAIL NOTES:

1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL BUILDING FRAME (CEC 250.52). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52).
3. ALL MODULES OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER. (BOLTING ONLY IS NOT ACCEPTABLE BONDING.)
4. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND ROD GREATER THAN SIX FEET AWAY (CEC 250.56). ONCE THE SECOND GROUND ROD IS INSTALLED, ADDITIONAL GROUND RESISTANCE TESTING IS NOT REQUIRED.
5. WHERE MODULAR BUILDINGS ARE GROUPED TOGETHER, A GROUND ROD MAY BE INSTALLED AT THE END BUILDINGS AND A GROUND RING MAY BE INSTALLED BETWEEN THEM. EACH INTERMEDIATE MODULAR BUILDING MAY BE BONDED TO THAT GROUND RING. WHERE THIS METHOD IS USED, GROUND RESISTANCE TESTING SHALL NOT BE REQUIRED.
6. WHERE MODULAR BUILDINGS ARE INSTALLED ON CONCRETE FOUNDATIONS, A UFER GROUND SHALL BE INSTALLED IN THE FOOTING PER [CEC 250.52 (A)(3)].
7. OTHER GROUNDING METHODS IDENTIFIED IN CEC 250 SHALL BE ACCEPTABLE MEANS TO ACHIEVE ADEQUATE GROUNDING OF METAL BUILDINGS IN COMPLIANCE WITH THE ABOVE.
8. TESTING FOR GROUNDING SHALL BE WITNESSED AND VERIFIED BY THE PROJECT INSPECTOR.
9. ELECTRICAL TRADE SHALL CHECK AREA FOR EXIST. CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.

PANELBOARD AND TERMINAL CABINET NOTES:

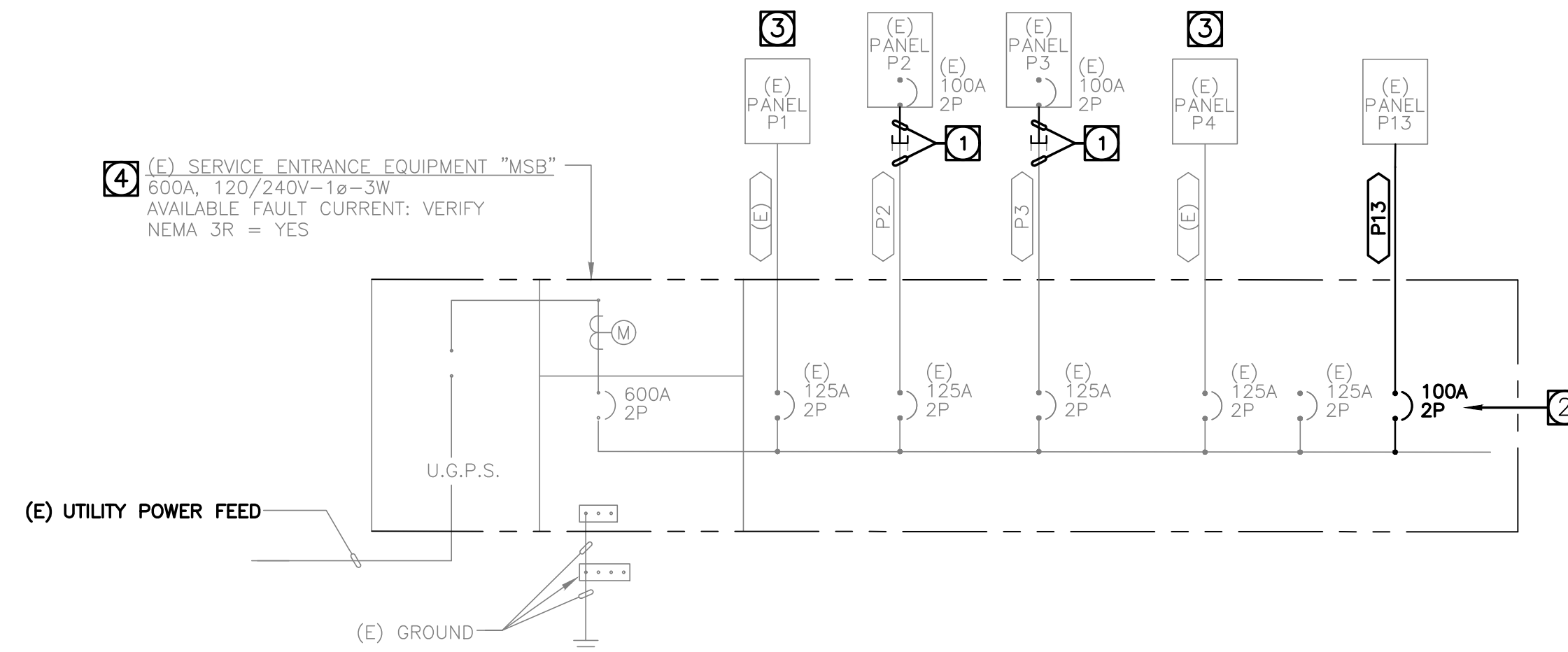
1. CONNECTIONS TO PANELBOARDS AND TERMINAL CABINETS SHALL BE SIMILAR TO GROUND CONNECTION SHOWN. OMIT "TEE" CONDULET.

PORTABLE BUILDING SERVICE GROUNDING DETAIL

SCALE: NTS

SPECIFIC SINGLE LINE NOTES:

1. RELOCATE EXISTING 2" CONDUIT AS REQUIRED FOR CONNECTION TO EXISTING PANEL ON NEW PORTABLE. CONNECT AS REQUIRED.
2. PROVIDE NEW CIRCUIT BREAKER. MATCH EXISTING MAKE, MANUFACTURER AND A.I.C. RATING.
3. MAINTAIN EXISTING FEED TO EXISTING DEVICES.
4. LOAD ON MSB IS 133 AMPERES. THIS IS BASED UPON NEW LOADS, REMOVED LOADS, AND 1 YEAR OF PG&E LOAD READINGS.



(E) SINGLE LINE DIAGRAM

SCALE: N.T.S.

FEEDER SCHEDULE

FEEDER	CONDUIT AND CONDUCTORS	LOAD	DISTANCE	V.D. (%)	A.I.C.	NOTES
P-2	(E) & (N) 2" 2°C WITH 3#1 & #6G.	45	55	0.27	>10K	-
P-3	(E) & (N) 2" 2°C WITH 3#1 & #6G.	45	85	0.41	>10K	-
P-13	(N) 1-1/2" 2°C WITH 3#3 & #8G.	45	210	1.62	>10K	-

GENERAL FEEDER SCHEDULE NOTES:

1. ALL FEEDERS SHOWN, UNLESS SPECIFICALLY NOTED OTHERWISE, ARE PRESUMED TO BE ROUTED IN METAL RACEWAYS. IF P.V.C. CONDUITS ARE UTILIZED, THE CONTRACTOR SHALL PROVIDE AN EQUIPMENT GROUND PER NEC, OR CEC WHERE ADOPTED, TABLE 250.122 OR, WHERE REQUIRED, PROVIDE A MAIN BONDING JUMPER PER TABLE 250.66 AND INCREASE THE CONDUIT SIZE ACCORDINGLY.
2. LOADS INDICATED WITH " () " REPRESENT WORST CASE LOAD IN AMPS.
3. DISTANCE SHOWN IS FOR DESIGN PURPOSES ONLY. IT IS NOT A MATERIAL TAKEOFF.
4. VOLTAGE DROP VALUE INDICATED IS AT THE END OF THE FEEDER.
5. AVAILABLE FAULT CURRENT VALUE AT THE END OF THE FEEDER INDICATED. CALCULATIONS ARE BASED UPON INITIAL VALUES RECEIVED FROM THE SERVING UTILITY AND THE LENGTH AND IMPEDANCE OF THE FEEDER.

SERIES RATED DEVICES SHALL HAVE BEEN INVESTIGATED BY UL IN COMBINATION WITH THE END USE EQUIPMENT AND IN THE EQUIPMENT IN WHICH THESE DEVICES ARE USED SHALL BE MARKED WITH A SERIES RATING. ALL EQUIPMENT SHALL BE MARKED IN ACCORDANCE WITH NEC (OR CEC-WHERE ADOPTED) REQUIREMENTS. SEE SPECIFICATIONS FOR MORE INFORMATION. WHERE SERIES RATINGS ARE ALLOWED, THE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD TO INDICATE A SERIES COMBINATION RATING, WHICH SHALL BE READILY VISIBLE AND STATE THE FOLLOWING:

CAUTION - SERIES COMBINATION SYSTEM RATED AT ??,??? AMPERES. USE ONLY IDENTIFIED REPLACEMENT COMPONENTS IN THIS SYSTEM.

WHERE ??,??? REPRESENTS AVAILABLE FAULT CURRENT. SEE SPECIFICATIONS FOR PLACARD REQUIREMENTS.

WHERE SERIES RATED COMBINATION RATINGS ARE USES FOR NEW ELECTRICAL PANELS, PROVIDE A "CAUTIONARY LABEL" TO THE SERIES RATED DEVICE COVER STATING:

"CAUTION - SERIES COMBINATION SYSTEM RATED AT AMPACITY "AVAILABLE"".

IDENTIFY THE COMPONENT PER CEC 110.3, 110.22(c), 240.86, AND THE "UL RECOGNITION DIRECTORY" AT THE NEW PANEL.

PROVIDE ARC-FLASH WARNING LABELS ON ALL SWITCHGEAR, PANELS, AND MOTOR CONTROL CENTERS LIKELY TO REQUIRE EXAMINATION, SERVICING, OR MAINTENANCE WHILE ENERGIZED. LABELS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF THE POTENTIAL ELECTRICAL ARC-FLASH HAZARDS PER CEC 110.16. THE INSTALLER SHALL PLACE LABELS WHERE SERIES RATINGS ARE UTILIZED AND SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE ANY EXAMINATION, SERVICE ,OR MAINTENANCE ON THIS EQUIPMENT PER CEC110.22.



169 Picholine Way
Chico, CA 95928
530-898-0123

ALAN CHAMBERS
Architect

Relocation of 3 Relocatable Classroom Buildings

at
Egling Middle School
813 Webster Street
Colusa, CA 95932

for the
Colusa Unified School District

CLAIORNIA

COLUSA COUNTY

COLUSA

No.	Description	Date

DFH & ASSOCIATES
ELECTRICAL ENGINEERING LLC
530.613.7966
P.O. BOX 1362,
MEADOW VISTA, CA 95722
DFHENG@ATT.NET



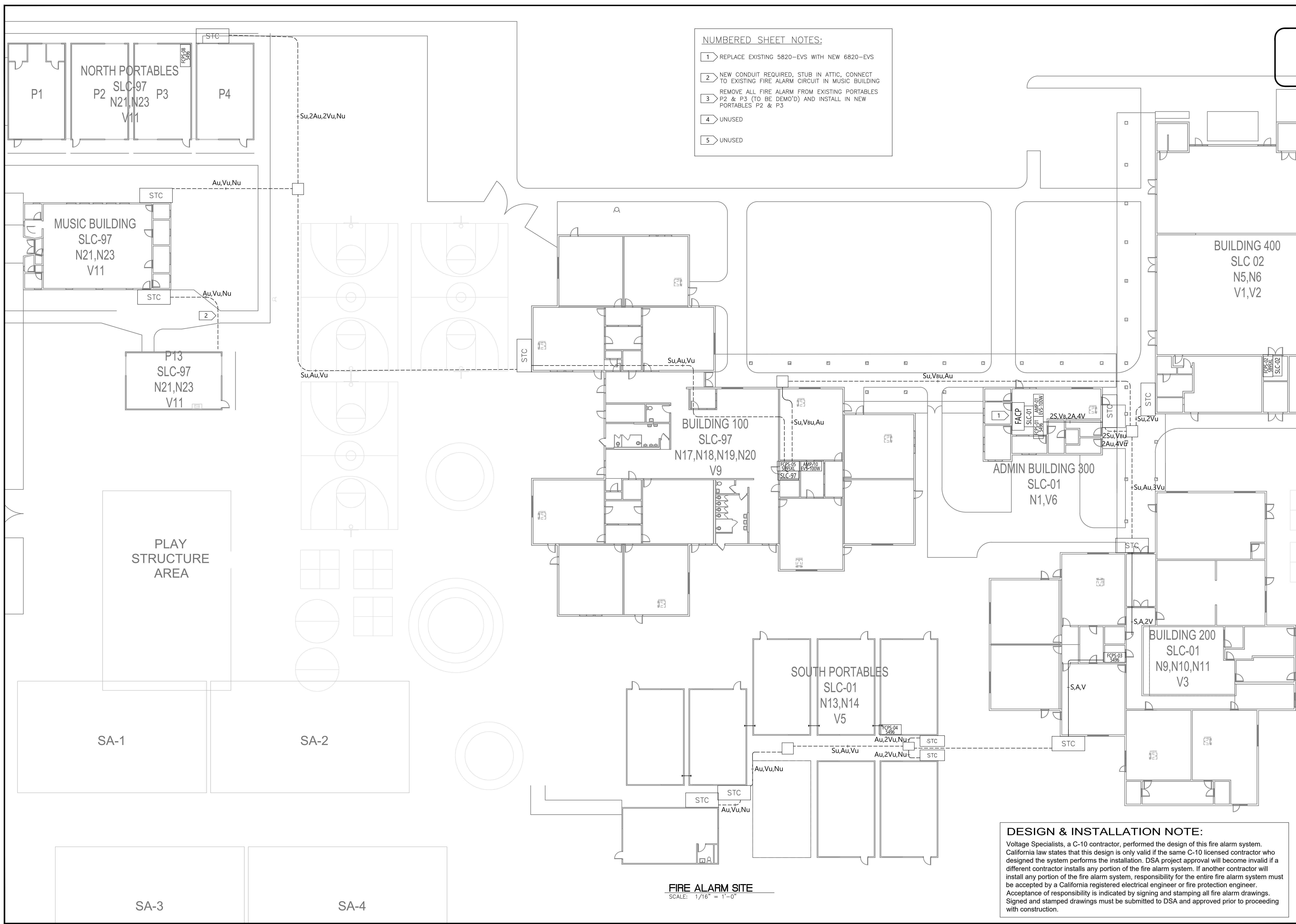
3/19/24

**SINGLE LINE,
DETAIL &
SCHEDULES**

Project number	---
Date	01/23/24
Drawn by	DFH
Checked by	AC

E2.0

Scale



- NUMBERED SHEET NOTES:
- 1 REPLACE EXISTING 5820-EVS WITH NEW 6820-EVS
 - 2 NEW CONDUIT REQUIRED, STUB IN ATTIC, CONNECT TO EXISTING FIRE ALARM CIRCUIT IN MUSIC BUILDING
 - 3 REMOVE ALL FIRE ALARM FROM EXISTING PORTABLES P2 & P3 (TO BE DEMO'D) AND INSTALL IN NEW PORTABLES P2 & P3
 - 4 UNUSED
 - 5 UNUSED

VOLTAGE SPECIALISTS
 www.voltagespecialists.com
 5031 FOSTER ROAD
 PARADISE, CA 95969
 PHONE #: 530.624.4514
 FAX #: 530.872.3586



NO.	DATE	REVISION DESCRIPTION

3 NORTH PORTABLES REPLACEMENT
 FIRE ALARM SITE
 COLUSA UNIFIED SCHOOL DISTRICT
 EGLING MIDDLE SCHOOL
 745 TENTH STREET
 COLUSA, CA 95932

DRAWN BY: B.B.	DATE: 3-18-24
DESIGNED BY: B. BUNCH	INITIALS/DATE: -
APPROVED BY: -	INITIALS/DATE: -
PROJECT NUMBER: -	
SHEET TITLE: FIRE ALARM SITE	
SHEET NUMBER: FA-01	

DESIGN & INSTALLATION NOTE:
 Voltage Specialists, a C-10 contractor, performed the design of this fire alarm system. California law states that this design is only valid if the same C-10 licensed contractor who designed the system performs the installation. DSA project approval will become invalid if a different contractor installs any portion of the fire alarm system. If another contractor will install any portion of the fire alarm system, responsibility for the entire fire alarm system must be accepted by a California registered electrical engineer or fire protection engineer. Acceptance of responsibility is indicated by signing and stamping all fire alarm drawings. Signed and stamped drawings must be submitted to DSA and approved prior to proceeding with construction.

FIRE ALARM SITE
 SCALE: 1/16" = 1'-0"

FIRE ALARM SYSTEM NOTES:

- THE INSTALLATION OF THE FIRE ALARM SYSTEM SHALL CONFORM TO THE MOST CURRENT EDITION OF THE FOLLOWING CODES AND STANDARDS:
 - CODE OF FEDERAL REGULATIONS (CFR)
 - AMERICANS WITH DISABILITIES ACT (ADA)
 - ENVIRONMENTAL PROTECTION AGENCY (EPA)
 - FEDERAL COMMUNICATIONS COMMISSION (FCC)
 - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
 - AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
 - 2019 NFPA 72, NATIONAL FIRE PROTECTION ASSOCIATION (CA AMENDED) SEE US STD 591 FOR "VISUAL DEVICES"
 - TITLE 24 CCR, PART 3 - 2022 CALIFORNIA ELECTRICAL CODE (CEC) (2020 IFC, AS AMENDED BY CA)
 - TITLE 24 CCR, PART 2 - 2022 CALIFORNIA BUILDING CODE, VOL. 1 & 2 (2021 IBC, AS AMENDED BY CA)
 - TITLE 24 CCR, PART 9 - 2022 CALIFORNIA FIRE CODE (CFC) (2021 IFC, AS AMENDED BY CA)
 - UNDERWRITERS LABORATORIES INC. (UL)
 - 2009 UL 464, AUDIBLE SIGNAL APPLIANCES
 - 1999 UL 521, HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS
 - FIRE ALARM CABLE SHALL BE PLP ONLY.
- A STAMPED SET OF APPROVED DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION. ANY DEVIATION FROM THE APPROVED DESIGN DOCUMENTS, INCLUDING SUBSTITUTION OF DEVICES, SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- UPON ACTIVATION OF INITIATION DEVICES, THE FIRE ALARM SYSTEM SHALL TRANSMIT ALARM, SUPERVISORY, AND/OR TROUBLE SIGNALS TO THE MONITORING STATION OF THE OWNER'S CHOICE.
- AUDIBLE DEVICES SHALL BE AT LEAST 15 dB ABOVE THE AVERAGE AMBIENT SOUND LEVEL BUT NOT LESS THAN 75 dB AT 10 FEET OR MORE THAN 130 dB PER NFPA 72, CHAPTER 18.4.1.2) AT THE MINIMUM HEARING DISTANCE. DURING THE MAXIMUM SOUND LEVEL, HAVING A DURATION OF 60 SECONDS, A LEVEL OF 5 dB SHALL BE MAINTAINED.
- AUDIBLE DEVICES SHALL BE TEMPORAL (PATTERN CODE 3), FIRE ALARM & CODE 4, CARBON MONOXIDE ALARM) AS REQUIRED BY AND DESCRIBED IN NFPA 72.
- VISUAL DEVICES SHALL NOT EXCEED 2 FLASHES PER SECOND AND SHALL NOT BE SLOWER THAN 1 FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN .0375 LUMENS PER SQUARE FOOT AND MEET ADA COMPLIANCE. WHEN THERE IS MORE THAN ONE VISUAL DEVICE VIEWABLE FROM WITHIN FIELD OF VIEW (PER NFPA 72, CHAPTER 18.5.4.3.2(3)), THE DEVICES SHALL BE SYNCHRONIZED.
- SMOKE DETECTORS SHALL NOT BE INSTALLED WITHIN 5'-0" OF A FIRE SPRINKLER HEAD. NOR SHALL THEY BE INSTALLED WITHIN 2'-0" OF ANY AIR SUPPLY DIFFUSER.
- ADJUST AND INSTALL DEVICES TO MAXIMIZE PERFORMANCE AND MINIMIZE FALSE ALARMS.
- FIRE ALARM PANEL, REMOTES AND COMPONENTS SHALL BE SECURED TO STRUCTURAL SUPPORTS PER MANUFACTURER'S SPECIFICATIONS AND MOUNTING DETAILS HEREIN THESE DOCUMENTS. NOTIFY THE ARCHITECT/ENGINEER WHEN A SINGLE PIECE OF EQUIPMENT EXCEEDS 20 LBS AND THERE IS NO RELEVANT MOUNTING DETAIL.
- T-BAR ONLY WHEN SHOWN ON THE DRAWINGS AND APPROVED BY THE MANUFACTURER'S DOCUMENTATION, ADDRESSABLE SYSTEMS ONLY.
- INSTALL FIRE ALARM CIRCUITS IN CONDUIT OR SURFACE METAL RACEWAY. PLENUM RATED CABLE MAY BE USED IN THE SPACE ABOVE A DROPPED T-BAR CEILING GRID WITH REMOVABLE TILES. SPACES OVER FIRE RATED CORRIDORS AND ROOMS WITH HARD CEILINGS SHALL BE IN CONDUIT.
- PENETRATIONS THROUGH RATED ASSEMBLIES AND WALLS SHALL BE SEALED WITH A LISTED SYSTEM THAT IS EQUAL TO OR EXCEEDS THE RATING OF THE ASSEMBLY.
- EXPOSED WIRING WITHIN BUILDINGS SHALL BE PROTECTED FROM PHYSICAL DAMAGE AND BE INSTALLED WITH APPROPRIATE SURFACE MOUNTED RACEWAY OR CONDUIT WHEN WITHIN 8'-0" OF THE FLOOR, OR AS INDICATED ON THE PLANS. EXTERIOR CONDUITS SHALL BE INSTALLED WITH WATER TIGHT FITTINGS.
- WIRING SHALL BE UL APPROVED AS DESIGNATED IN THE FIRE ALARM SYSTEM WIRING SCHEDULE OR THE MANUFACTURER'S INSTALLATION MANUAL.
- WIRING PULLED THROUGH A JUNCTION BOX OR BACK BOX SHALL TERMINATE AT A DEVICE, SYSTEM PANEL OR TERMINAL CABINET WITH NO SPLICES. SIZE BOXES PER WIRE FILL AS DEFINED IN THE CEC. PROVIDE A MINIMUM OF 6" OF LEAD WIRE FROM THE BOX TO CONNECT EACH DEVICE.
- FIRE ALARM CIRCUITS SHALL BE LABELED AT EACH STC.
- FIRE ALARM EQUIPMENT SHALL BE POWERED BY A 120V DEDICATED BRANCH CIRCUIT FROM A SINGLE PANEL IN A LOCKABLE ELECTRICAL ROOM. APPLY RED PAINT TO BREAKERS SERVING FIRE ALARM EQUIPMENT. INSTALL BREAKER LOCK-OUT DEVICE. THE PANEL SCHEDULE SHALL BE LABELED FOR THE FIRE ALARM EQUIPMENT THAT IT SERVES.
- UPON COMPLETION OF INSTALLATION COMPLETE A SATISFACTORY TEST OF THE ENTIRE SYSTEM IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION, THE ARCHITECT AND INSPECTOR OF RECORD.
- THE AUTHORITY HAVING JURISDICTION, THE INSPECTOR OF RECORD, AND THE ARCHITECT SHALL RECEIVE FORTY EIGHT (48) HOURS NOTICE PRIOR TO THE DATE OF A FUNCTIONAL TEST AND FINAL INSPECTION.
- ALL DEVELOPED SOFTWARE AND MANUALS SHALL BE DELIVERED TO THE ARCHITECT ON DISK. PROVIDE ON-SITE TRAINING FOR SYSTEM OPERATION FOR THE OWNER. A FULL SET OF AS-BUILT DRAWINGS SHALL BE PLACED IN A SECURE DOCUMENT CABINET AT THE FIRE ALARM PANEL FOR FUTURE SERVICE & TESTING ISSUES.
- THE INSPECTOR OF RECORD AND THE ARCHITECT SHALL RECEIVE ONE (1) WRITTEN NOTICE FOR A FINAL PUNCH LIST WALK.
- THE OWNER OF THE FACILITY IS RESPONSIBLE FOR MAINTAINING REQUIRED UTILITIES SO AS TO PROVIDE FOR THE CONTINUOUS OPERATION OF THE PROTECTION SYSTEM. THIS INCLUDES DEDICATED PRIMARY POWER SUPPLY BY MEANS OF A DEDICATED BRANCH CIRCUIT, SUITABLE LOCK-OUT DEVICE, AND REQUIRED TELEPHONE LINES. (2 NON-DEDICATED TELEPHONE LINES REQUIRED).
- COMPLETE THE NFPA 72 (2022) RECORD OF COMPLETION, TESTING ALL DEVICES AND APPLIANCES. PROVIDE A COPY OF COMPLETED RECORD OF COMPLETION TO THE OWNER, LOCAL FIRE AUTHORITY AND INSPECTOR OF RECORD.
- VOLTAGE SPECIALISTS, A C-10 CONTRACTOR, PERFORMED THE DESIGN OF THIS FIRE ALARM SYSTEM. CALIFORNIA LAW STATES THAT THIS DESIGN IS ONLY VALID IF THE SAME C-10 LICENSED CONTRACTOR, WHO DESIGNED THE SYSTEM, PERFORMS THE INSTALLATION. DSA PROJECT APPROVAL WILL BECOME INVALID IF A DIFFERENT CONTRACTOR INSTALLS ANY PORTION OF THE FIRE ALARM SYSTEM. IF ANOTHER CONTRACTOR WILL INSTALL ANY PORTION OF THE FIRE ALARM SYSTEM, RESPONSIBILITY FOR THE ENTIRE FIRE ALARM SYSTEM MUST BE ACCEPTED BY A CALIFORNIA REGISTERED ELECTRICAL ENGINEER OR FIRE PROTECTION ENGINEER. ACCEPTANCE OF RESPONSIBILITY IS INDICATED BY SIGNING AND STAMPING ALL FIRE ALARM DRAWINGS. SIGNED AND STAMPED DRAWINGS MUST BE SUBMITTED TO DSA AND APPROVED PRIOR TO PROCEEDING WITH CONSTRUCTION.
- AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNAL, TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72. THE SUPERVISING STATION SHALL BE LISTED AS EITHER ULFIP OR ULUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.
- SOME FIRE ALARM SYSTEM NOTES MAY NOT APPLY TO THIS PROJECT.
- FINAL FIRE ALARM TEST SHALL INCLUDE ALL INFORMATION PER CURRENT NFPA 72 READ-OUT VERIFICATION FORM FROM REMOTE MONITORING STATION.
- NFPA 72 10.6.10.1.1 STORAGE BATTERIES SHALL BE PERMANENTLY MARKED WITH THE MONTH AND YEAR OF MANUFACTURE, USING THE MONTH/YEAR FORMAT. THE MARKING SHALL BE PERMITTED TO BE APPLIED BY EITHER THE BATTERY MANUFACTURER OR THE INSTALLER.

ADDITIONAL FIRE ALARM SYSTEM NOTES:

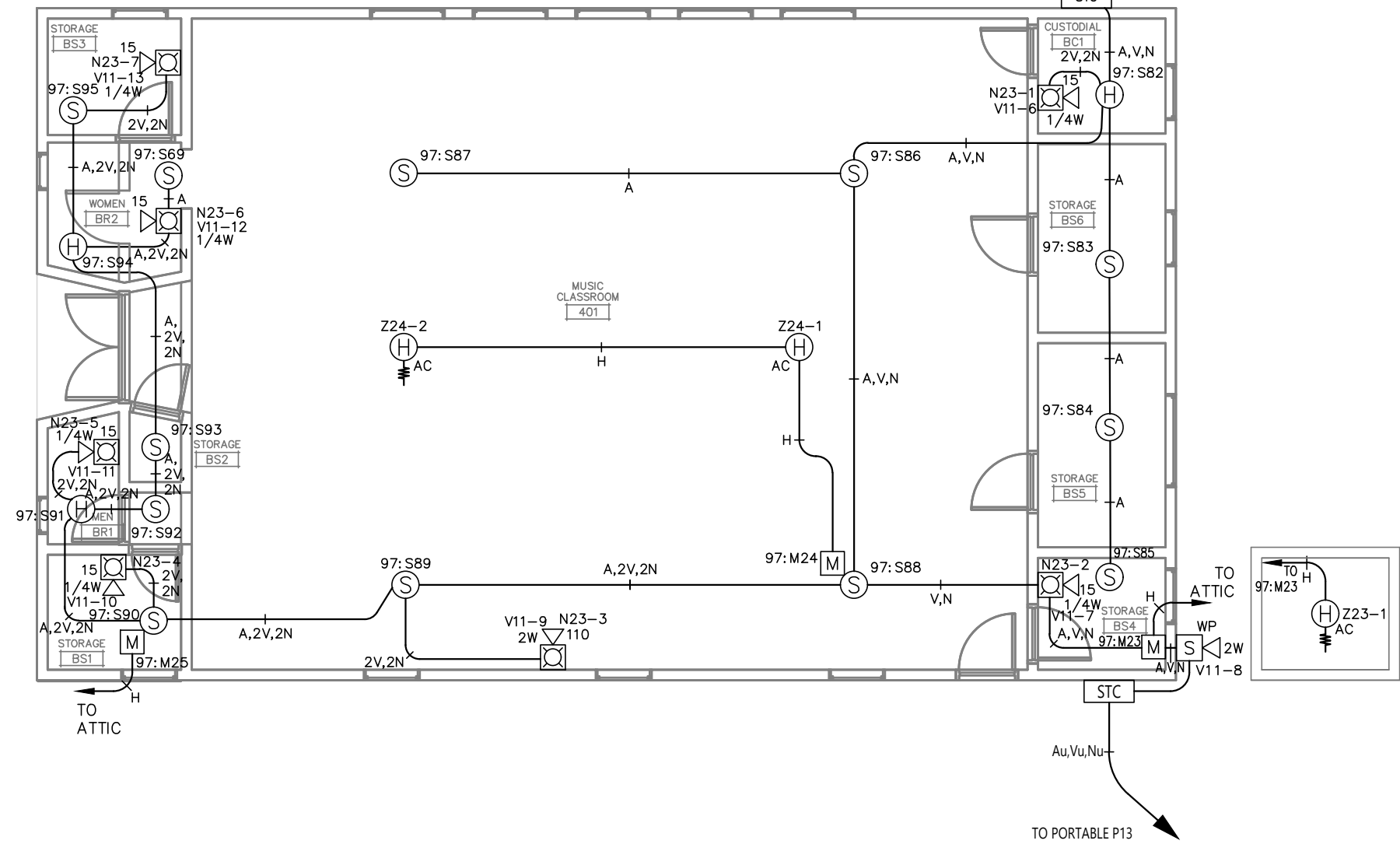
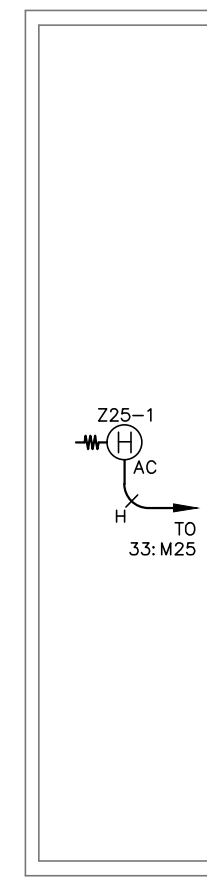
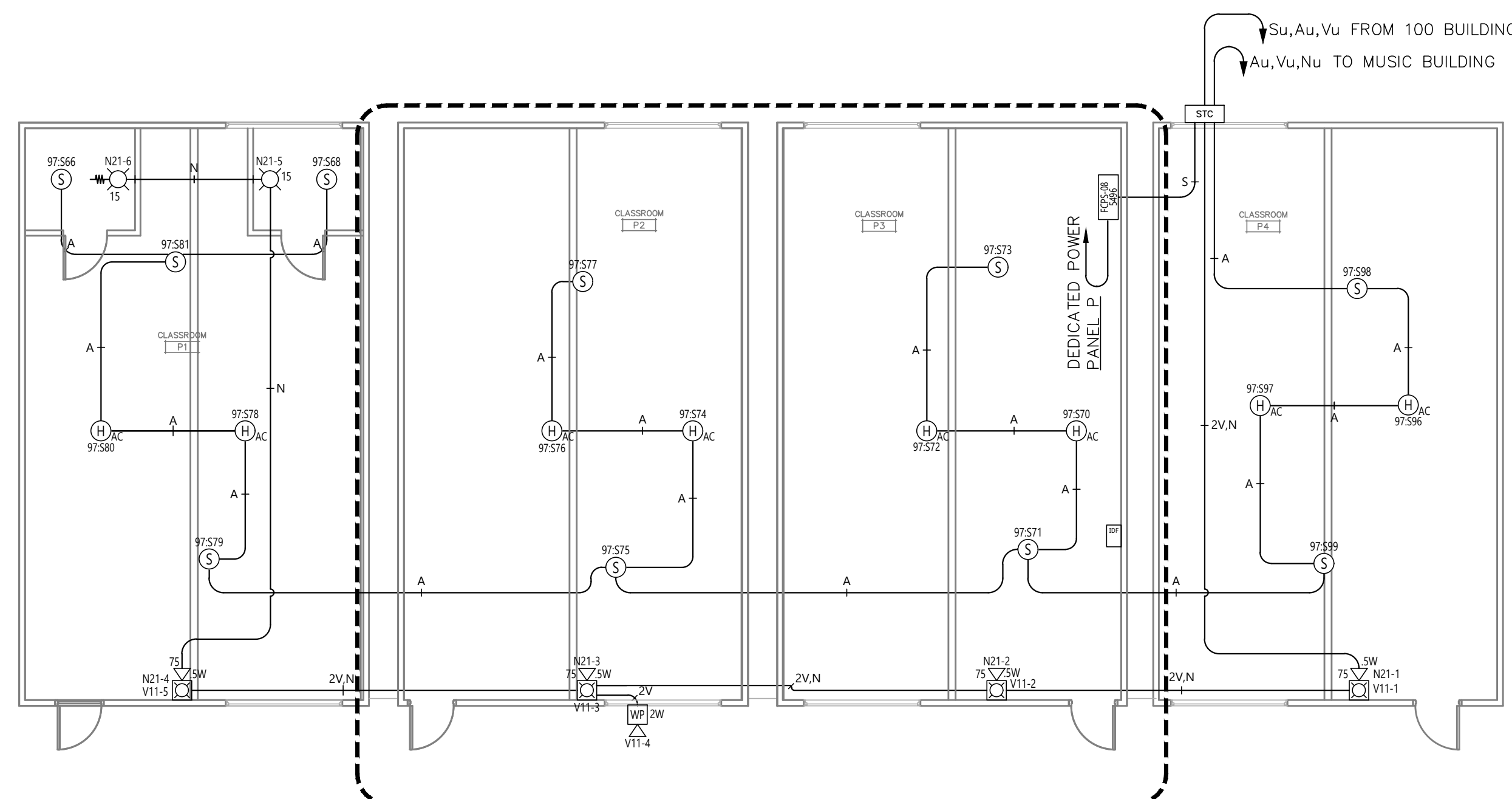
- INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAVE BEEN APPROVED BY DSA.
- ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE, OR RECOGNIZED STANDARDS, SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.
- ALL PENETRATIONS THROUGH RATED ASSEMBLIES, REQUIRING OPENING PROTECTION, SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM, AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.
- THE ENTIRE LENS OF WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THAN 1" TO A HORIZONTAL STRUCTURE.
- 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.
- UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
- PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
- FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURER'S SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
- THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED SYSTEM RECORD OF COMPLETION PER NFPA 72, FIGURE 7.8.2.
- FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.
- MONOPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVACS) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC SECTIONS 118-305 AND 118-308.
- THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
- SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.

MONITORING NOTE

AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNAL, TO AN APPROVED SUPERVISING STATION, AS REQUIRED BY NFPA 72, AS AMENDED BY ARTICLE 91. THE SUPERVISING STATION SHALL BE LISTED AS EITHER ULFIP OR ULUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.

MONITORING COMPANY:
 GSW INC.
 U.I. 55636-1
 CON. ULFIP
 1-800-722-0364

ACCOUNT NUMBER: 40-_____



EGLING MIDDLE SCHOOL

813 WEBSTER STREET COLUSA, CA 95932

BUILDING DATA

ROOF LIVE LOAD: 20.0 PSF
WIND LOAD: 75 MPH Exp, "C"
ELECTRICAL: 100A
PLUMBING: YES
DOM: 1999

FLOOR LIVE LOAD: 50 PSF
OCCUPANCY: E
MECHANICAL: YES
MANUFACTURER: DMSI
SERIAL NUMBER: 20-820 1/2
20-821 1/2
20-822 1/2

EXISTING APPLICABLE CODES

- 1) CALIFORNIA BUILDING CODE 1995
- 2) CALIFORNIA MECHANICAL CODE 1995
- 3) CALIFORNIA PLUMBING CODE 1995
- 4) CALIFORNIA ELECTRICAL CODE 1995

COLLECTIVELY REFERRED TO AS TITLE 24
PARTS 1, 2, 3, 4, 5



SHEET INDEX

SHEET	DESCRIPTION
SITE-SPECIFIC PLANS	
A0.0-R	TITLE SHEET
A1.0-R	FLOOR PLAN
3-24X40 APP#01-101574	
C	COVER SHEET
1	FLOOR PLAN & ELEVATIONS
2	BUILDING SECTION AND DETAILS
3	FLOOR FRAMING PLAN AND DETAILS
4	END WALL FRAMING ELEVATIONS AND DETAILS
5	SIDE WALL FRAMING AND ELEVATIONS
6	TRUSS ELEVATION AND DETAILS
7	ROOF FRAMING PLAN AND DETAILS
8	SPECIFICATIONS
9	MECHANICAL AND ELECTRICAL PLAN
9A	MECHANICAL AND ELECTRICAL DETAILS
10	WOOD FOUNDATION PLAN AND DETAILS
11	WOOD FOUNDATION DETAILS
RAMP PC: 02-120787	
R0.0	TITLE SHEET
R0.1	RAMP AND LANDING DETAILS
R0.2	RAMP AND LANDING DETAILS
R0.3	RAMP AND LANDING DETAILS
R0.8	DSA DOCUMENTS
R2.0	RAMP AND LANDING PLAN (FREE STANDING ASSEMBLY)
R7.0	OPTIONAL MODULAR RAMP AND LANDING PLANS

PC PROFESSIONAL OF RECORD

PROFESSIONAL STAMP

AOL ARCHITECT

TITLE SHEET

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GLOBAL
MODULAR INCORPORATED



Southern California Division
1640 CHICAGO AVE. SUITE 40-21
ROSELAND, CALIF. 92507
Phone: 951-886-3433
Fax: 951-846-3424

COLUSA USD

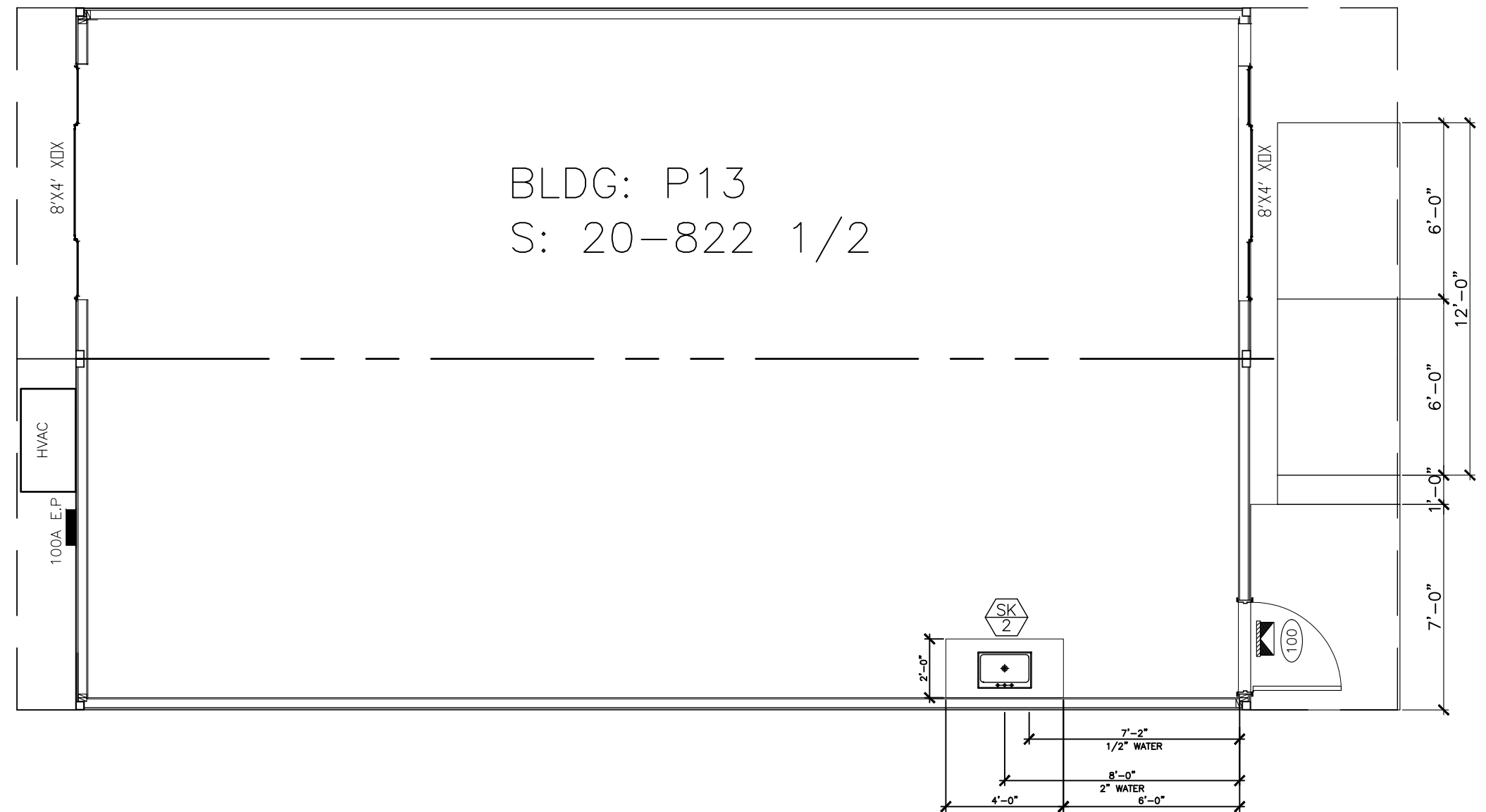
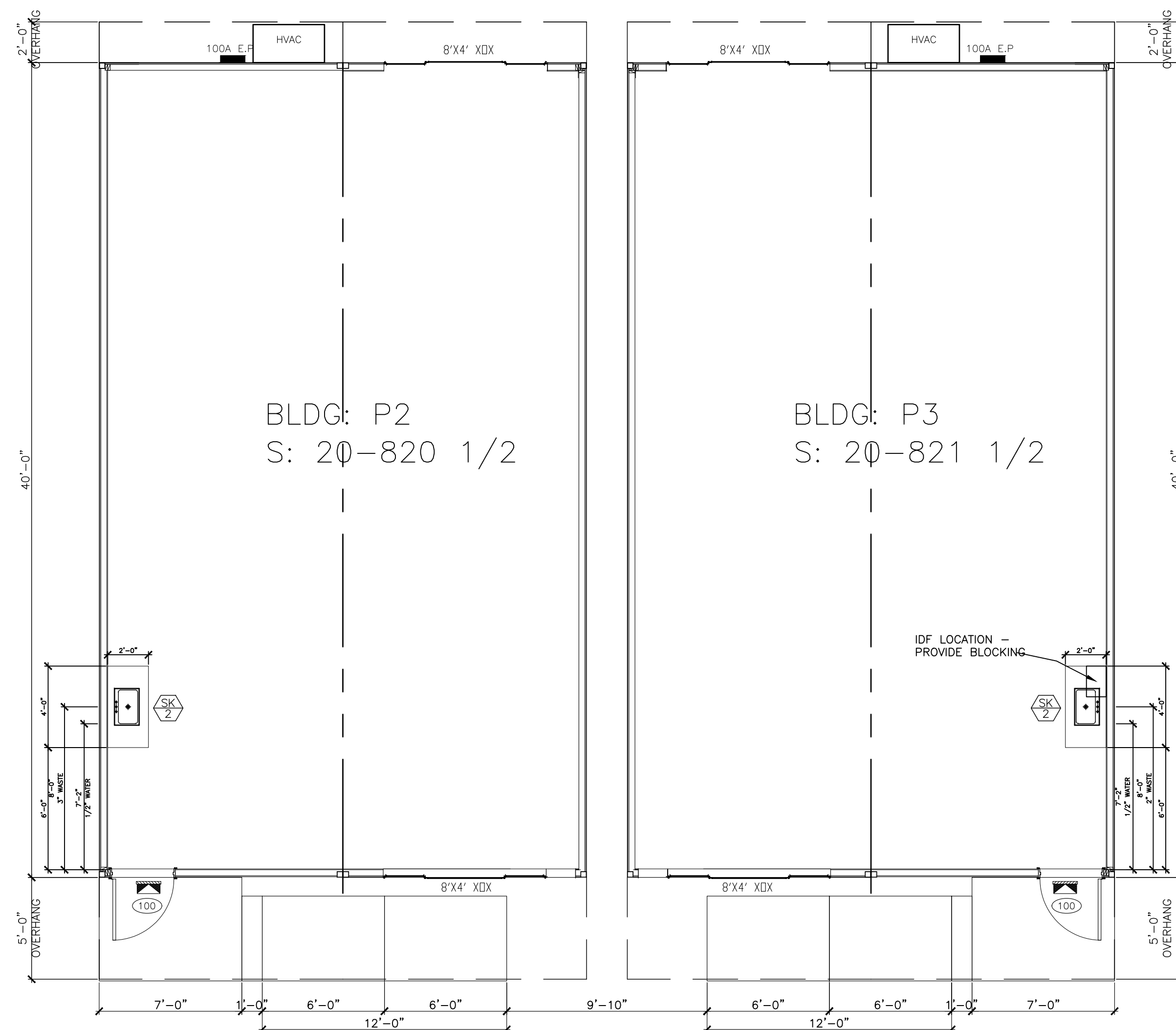
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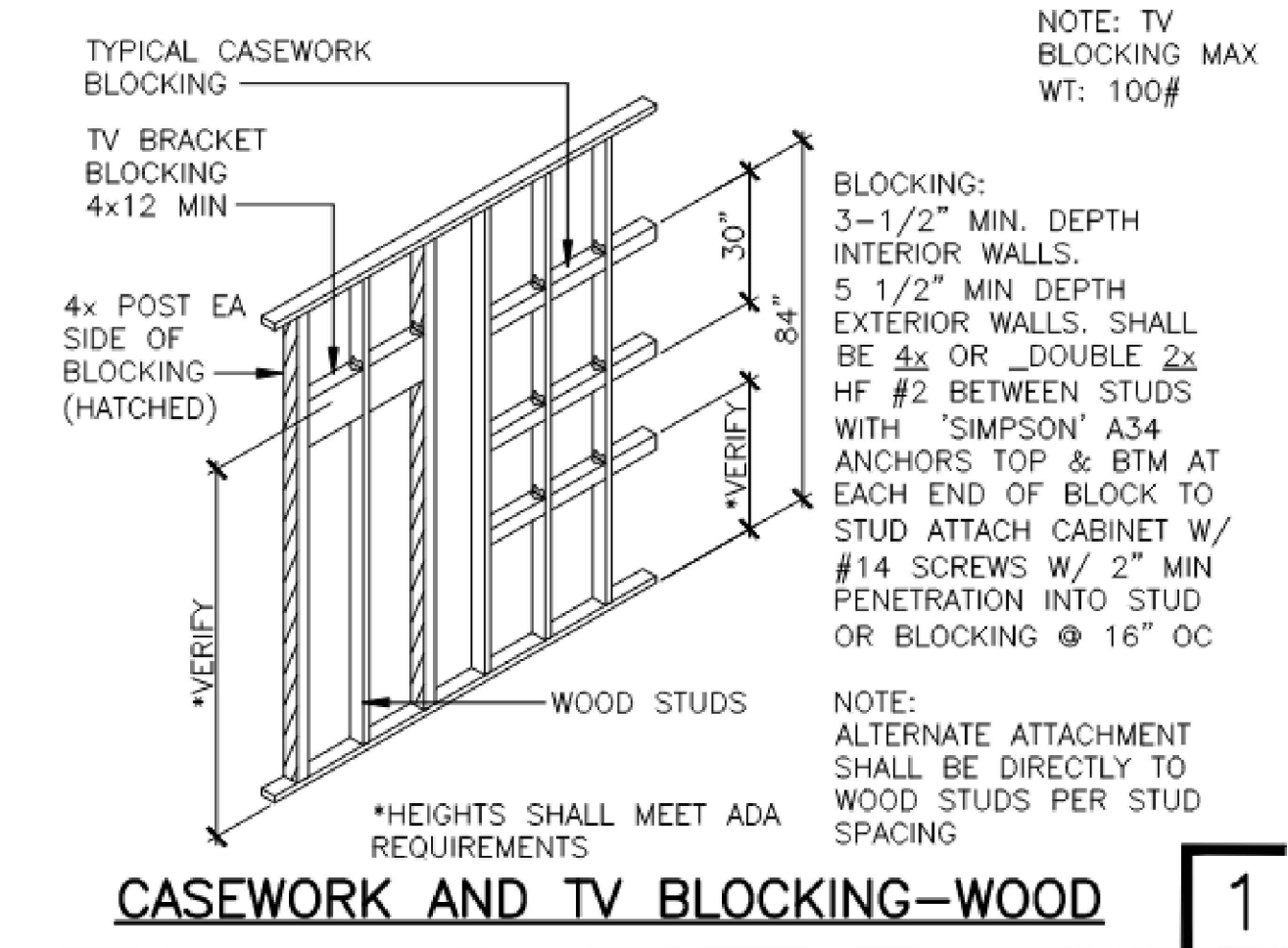
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CHECKED BY:

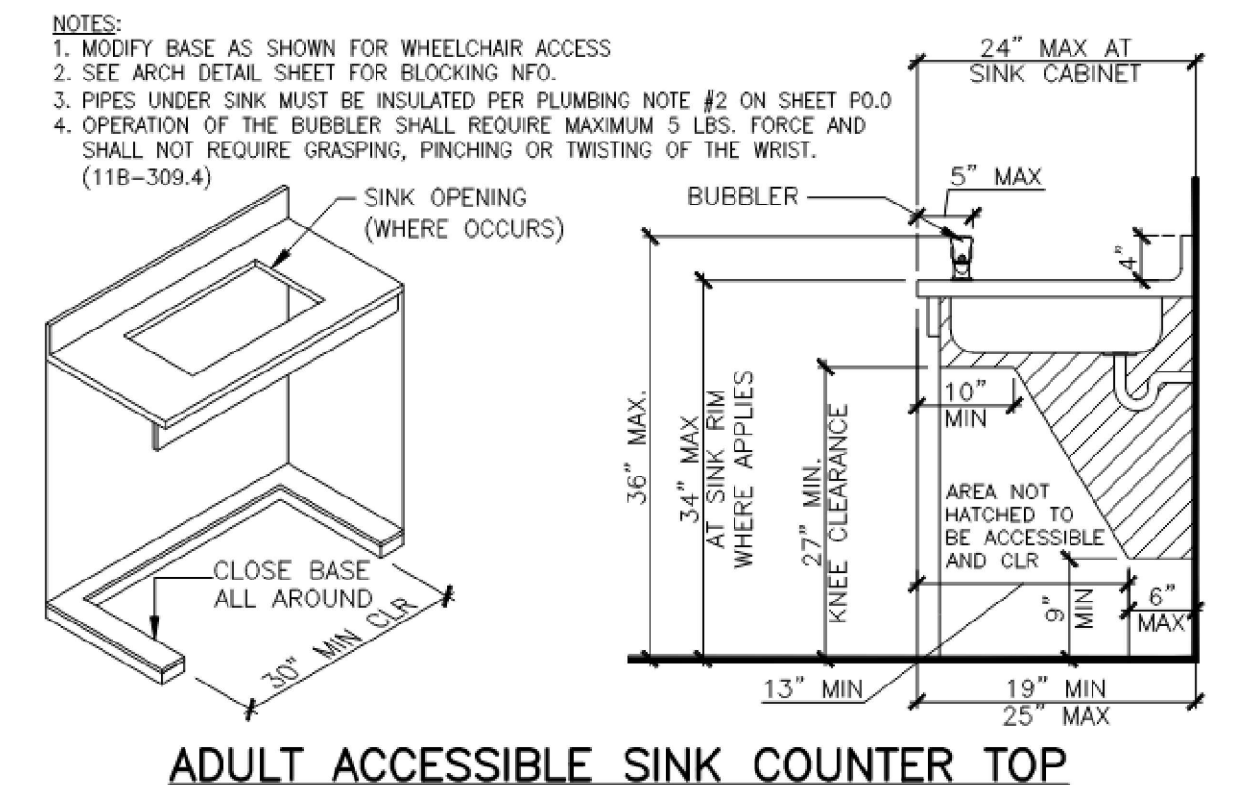
SHEET NO:
A0.0-R



PLUMBING FIXTURE SCHEDULE						
SYMBOL	DESCRIPTION	**ALTERNATE/OPTIONAL FOR	ACCESSIBLE FOR	WASTE	VENT	CW
SK	LAV. "JUST" MODEL # CRA-ADA-1725-A-GR. STAINLESS STEEL SINGLE BOWL - 14" x 16" LAVATORY, 5-1/2" MAX. SINK DEPTH			ADULT	3"	1/2"
	FAUCET: "CROWNE" MODEL 15-SOIL 6" GODSENECKS 4" SPREAD ADA FLOW= 0.5 GPM					
	BUBBLER: JUST JSB-10					



CASEWORK AND TV BLOCKING-WOOD 1



NOTE:
SEE THE SITE PLAN FOR THE BUILDING SEPARATIONS AND LOCATIONS

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

PC PROFESSIONAL OF RECORD

PROFESSIONAL STAMP

AOL ARCHITECT

FLOOR PLAN

GLOBAL MODULAR INCORPORATED

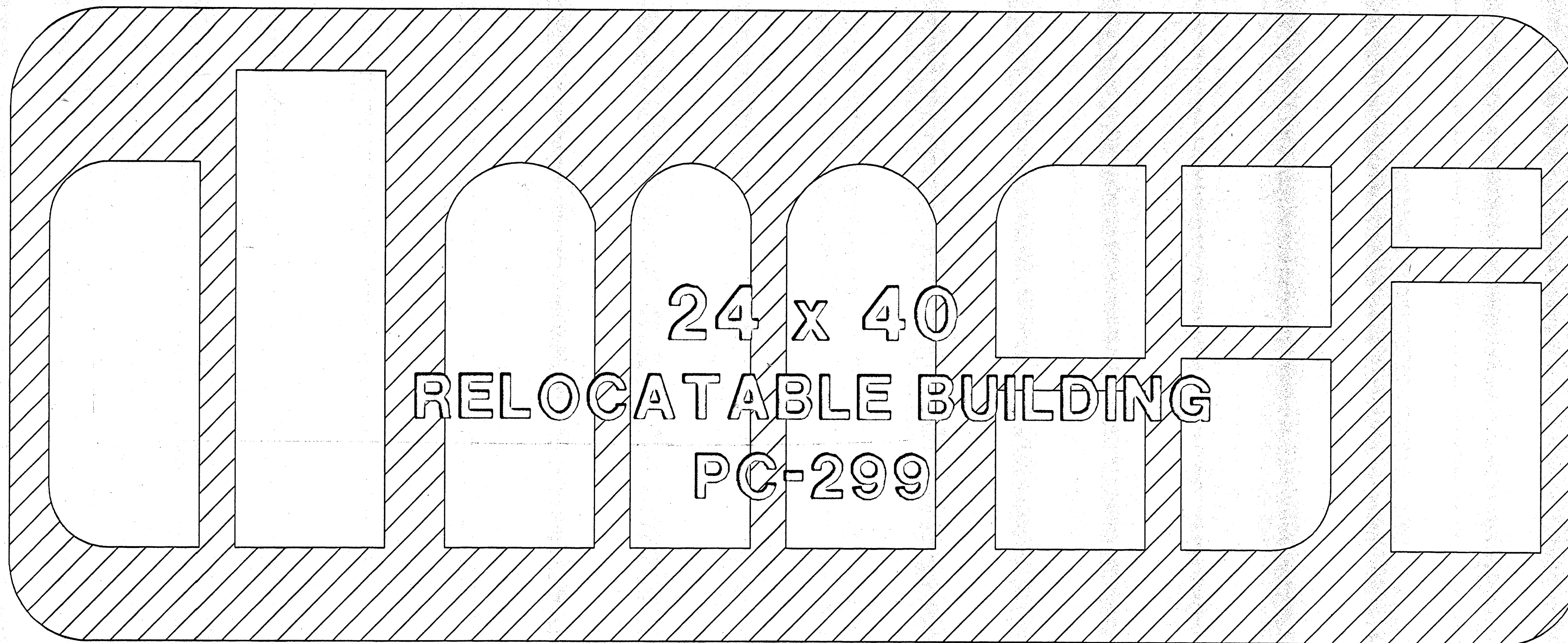
SOUTHERN CALIFORNIA DIVISION
1840 CHICAGO AVE. SUITE M-21
INDIO, CALIF. 92507
Phone: (951) 895-3823
Fax: (951) 895-3822

NORTHERN CALIFORNIA DIVISION
1120 COMMERCIAL AVE. #25
ALEXANDER, CA 95301
Phone: (925) 878-0029
Fax: (925) 878-0027

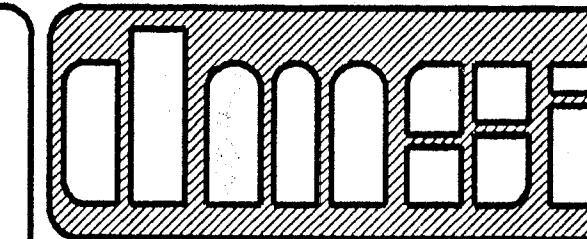
COLUSA USD

DRAWN BY: AARON.H DATE: 03.14.24
CHECKED BY: DATE:

SHEET NO: **A1.0-R**

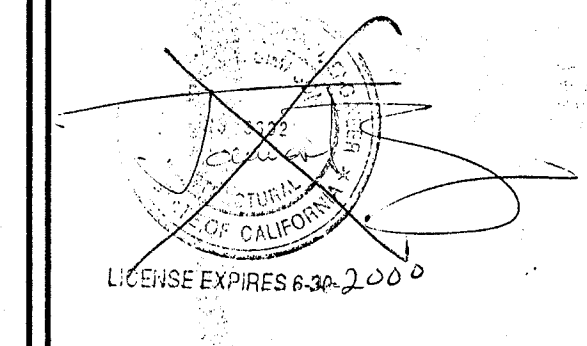


designed mobile systems industries, inc.

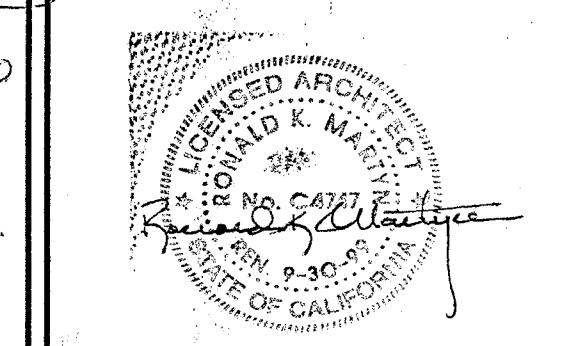


designed mobile systems industries, inc.
P.O. BOX 367
Patterson, California 95363
(209) 892-6298

Approval: Engineering Consultant



Approvals:



IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 01 10574
AC: FLS SS
DATE: 5-5-99

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 01 10574
AC: FLS SS
DATE: OCT 23 1996

Revisions:

75 MPH EXP 'C' / 20 PSF UNREDUCED / SW
24x40 RELOCATABLE BUILDING
Hayward Unified School Dist.
DATE: 03/17/99 JOB NO: 20-818
SITE: Various Sites
Sheet Title:
COVER SHEET

Drawn: J.A.
Date: 10/15/96
Scale: NOTED
Job:
Sheet
C
Of Sheet

TESTING LABORATORY: _____ DATE: _____
JOB NAME: _____
DISTRICT: _____
DIVISION-FILE NO.: _____ APPLICATION NO.: _____
STRUCTURAL ENGINEER: _____

STATE OF CALIFORNIA
DEPT. GENERAL SERVICES
OFFICE OF THE
STATE ARCHITECT
STRUCTURAL TESTS AND INSPECTIONS

The following tests and inspections, as checked, will be required as detailed in applicable specifications.

COMPACTED FILL	CONCRETE	GUNITITE	GROUT	MORTAR	TESTS
Fill material acceptance tests					Test of aggregates for mix design only
Compaction control continuous					Suitability tests of aggregates as detailed below
Compaction tests only as ordered					Mix designs
Resistor capacity of compacted fill					Continuous batch plant inspection (WEIGHT MASTER)
REINFORCING STEEL					Inspect placing
Sample and test for steel					Sample
Sample and test mesh					Compression tests
Inspect placing of job					Pick up samples of job
STRUCTURAL STEEL					Sample and test cement
Sample and test as detailed below					Sample and test cement
Shop fabrication inspection (in-plant)					SUITABILITY TESTS
Field erection inspection					CONCRETE MATERIALS
Inspection of welds-shop					GUNITITE
Inspection of welds-field					MORTAR
Inspection of riveting or bolting-shop					GROUT
Inspection of riveting or bolting-field					
Sample and test high strength bolts and washers					
BRICK AND BLOCK					
Sample and test					
Test only					
Inspection of placing					
Core drill samples					
GLUED LAMINATED STRUCTURAL LUMBER					
Fabrication inspection					
Sample and test steel accessories					
Inspect fabrication of steel accessories					

List of structural steel members to be tested:
ALL STEEL NOT IDENTIFIED BY MILL CERTIFICATES PER SEC 2212 A.1 OF TITLE 24.

Other tests and inspections, together with special instructions:
DRIVE PINS
GENERAL IN-PLANT
ELECTRICAL GROUNDING TEST TO BE WITNESSED BY I.O.R.

Copies of Reports to:
DSA-SSS ARCHITECT
CONTRACTOR-DMSI

By: _____
Authorized Representative
Form 411-11.

SAFE ASBESTOS LEVEL CERTIFICATION

WE HEREBY CERTIFY THAT NO ASBESTOS CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF THIS RELOCATABLE FACILITY.

By: _____
designed mobile systems IND., INC.

CALIFORNIA STATE APPLICABLE CODES

- 1) CALIFORNIA BUILDING CODE 1995
- 2) CALIFORNIA MECHANICAL CODE 1995
- 3) CALIFORNIA PLUMBING CODE 1995
- 4) CALIFORNIA ELECTRICAL CODE 1995

COLLECTIVELY REFERRED TO AS TITLE 24 PARTS 1, 2, 3, 4, 5

GENERAL NOTES

1. WIND LOAD: 75 MPH EXPOSURE 'C'
ROOF LOAD: 20 PSF UNREDUCED
FLOOR LOADS: 50 PSF LIVE LOAD
50 PSF LL - 20 PSF PARTITION
100 PSF LIVE LOAD
125 PSF LIVE LOAD
2. SEISMIC LOAD: I=1, Z=0.4, C=2.75, R_w=8, V=0.138
3. CABINETS (OPTIONAL): SEE 10/2 FOR ANCHORAGE DETAILS.
4. THIS APPROVAL IS FOR USE AS A COMPARISON SET TO OBTAIN AN APPLICATION NUMBER. A SEPARATE APPLICATION WILL BE SUBMITTED TO DSA/ORS FOR MOVING TO LOCATION ON A SPECIFIC SITE. BUILDINGS ARE NOT TO BE USED UNTIL MOVED TO A SITE APPROVED BY DSA/ORS. A "T" & "I" LIST IS REQUIRED FOR EACH APPLICATION.
5. SITE INSTALLATION INCLUDES: FOUNDATIONS, RAMP SET-UP, BOLTING OF MODS, EXTERIOR & INTERIOR CLOSE-UP AT MODULE LINE, CARPET, SHEET METAL ROOF CLOSURE, AND BONDING OF METAL BUILDING COMPONENTS AND RAMP TO ELECTRICAL PANEL AS INDICATED ON PLANS.
6. SITE WORK NOT INCLUDED IN CONTRACT: SITE GRADING, GROUNDING OF BUILDING, ELECTRICAL HOOK UP, AND TRANSITION OF RAMP TO END OF GRADE.
7. MINIMUM SEPARATION BETWEEN BUILDINGS: 2'-0" U.O.N.
8. CONDUIT AND JUNCTION BOXES ONLY PROVIDED FOR FIRE ALARM SYSTEMS.
9. BUILDING PAD TO BE WITHIN 6" OF LEVEL.
10. CONSTRUCTION: TYPE V-N
11. OCCUPANCY: A3,E1,E2,E3(MINIMUM 2 EXITS) AS APPLIES
12. AREA: 960 SQ. FT.

DRAWING INDEX

C	COVER SHEET
1	FLOOR PLAN & ELEVATIONS
1A	ALTERNATE FLOOR PLAN & ELEVATIONS
2	BUILDING SECTION AND DETAILS
3	FLOOR FRAMING PLAN AND DETAILS
3A	ALTERNATE FLOOR FRAMING PLAN
4	END WALL FRAMING ELEVATIONS AND DETAILS
5	SIDEWALL FRAMING AND ELEVATIONS
6	TRUSS ELEVATION AND DETAILS
7	ROOF FRAMING PLAN AND DETAILS
8	SPECIFICATIONS
9	MECHANICAL AND ELECTRICAL PLAN
9A	MECHANICAL AND ELECTRICAL DETAILS
10	WOOD FOUNDATION PLAN AND DETAILS
10A	ALTERNATE WOOD FOUNDATION PLAN
11	WOOD FOUNDATION DETAILS
CF1	CONCRETE FOUNDATION
CF2	CONCRETE FOUNDATION DETAILS
CF1T	ALTERNATE CONCRETE FOUNDATION
CF2T	ALTERNATE CONCRETE FOUNDATION DETAILS
R1	RAMP PLAN & DETAILS
CR1	ALTERNATE CONCRETE RAMP

R1 RAMP AND LANDING PLANS
R1-1 RAMP AND LANDING DETAILS
R1-2 RAMP AND LANDING DETAIL

ACCESS COMPLIANCE NOTES RE: SITE CONDITIONS

1. MAX. BUILDING HEIGHT 28" FROM GRADE TO FINISH FLOOR.
2. IF STANDARD RAMP IS USED MAX. HEIGHT IS 14" ABOVE GRADE. SITE MUST BE GRADED TO ACCOMMODATE THIS CONDITION. (REFER TO SHT. R1 FOR RAMP).
3. BOTTOM LANDING OF RAMP MUST BE LEVEL AND 6'-0" IN LENGTH IN DIRECTION OF RAMP AND MUST BE CLEAR AND UNOBSTRUCTED. SPACING OF UNITS DEPENDS ON LENGTH OF RAMP AND LANDING.

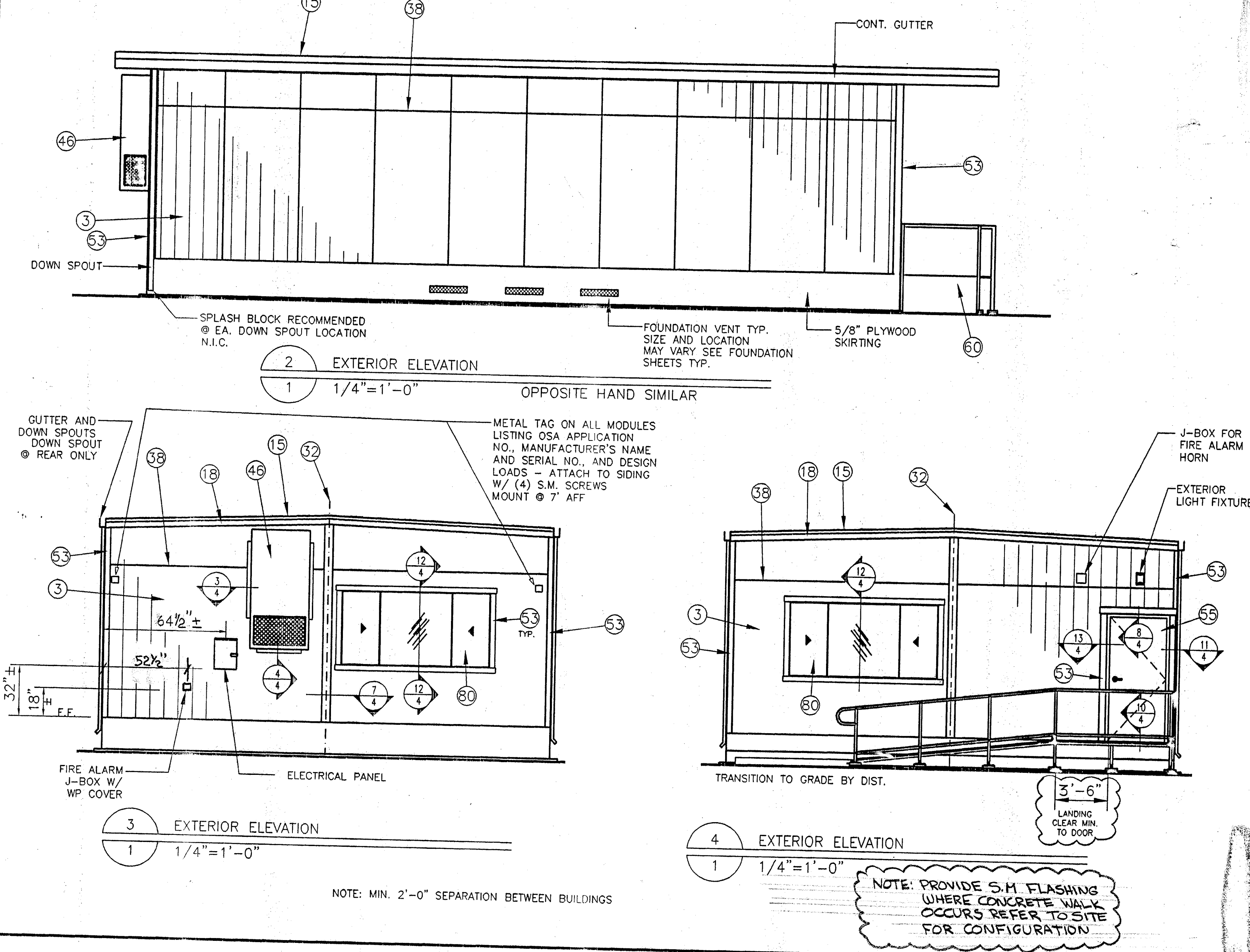
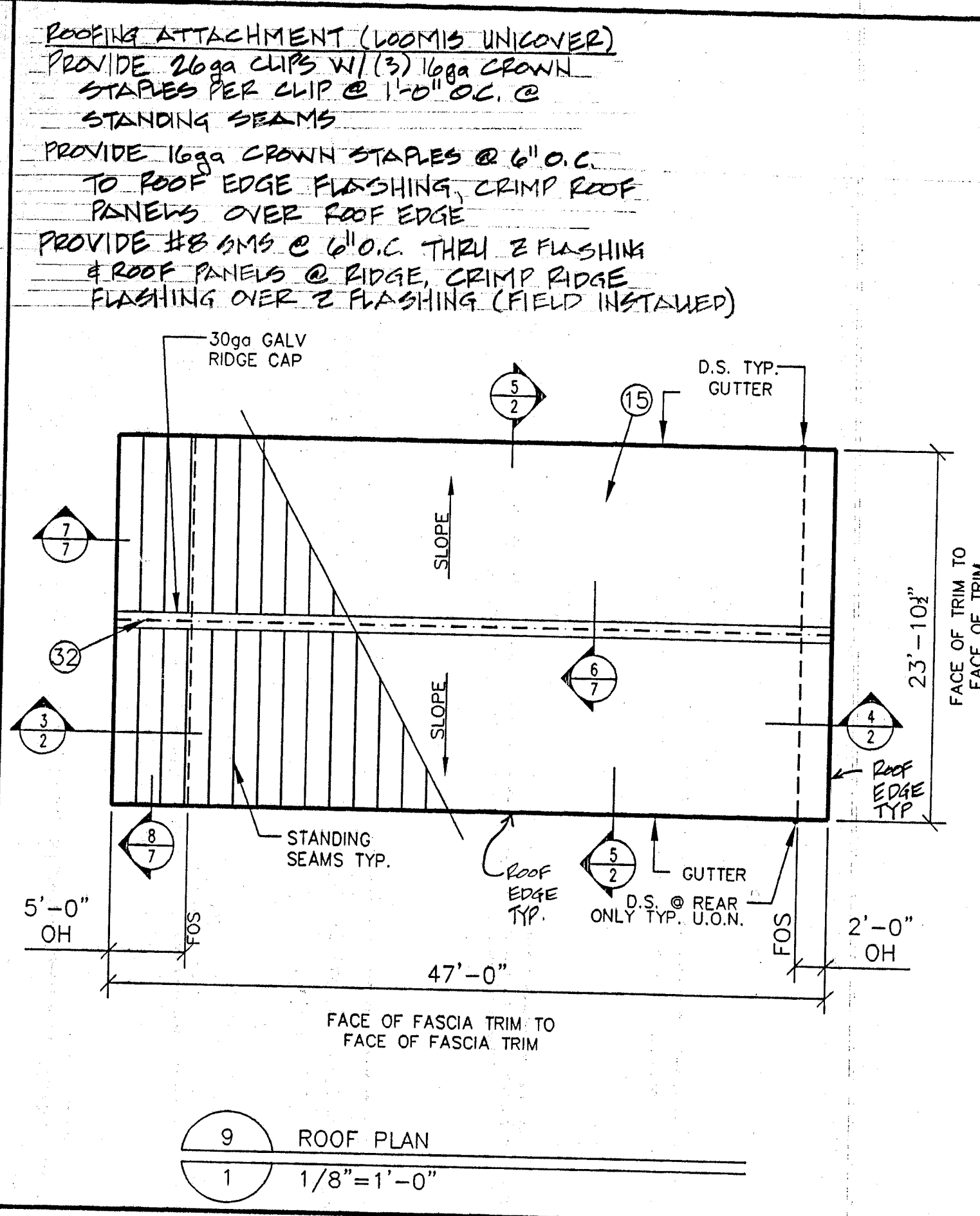
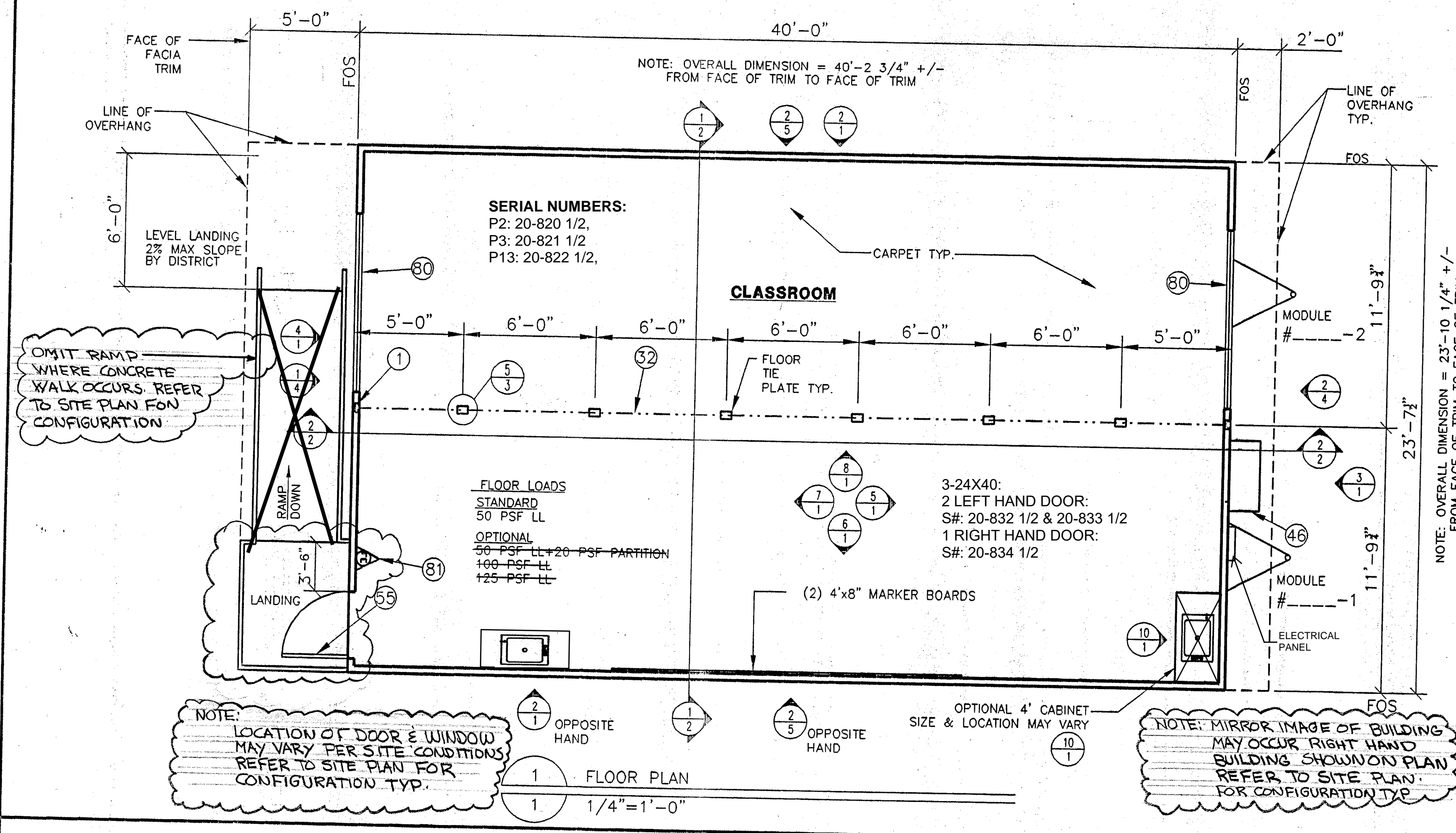
FIRE MARSHAL NOTATION:

1. COMPLETE FIRE ALARM DESIGN TO BE SUBMITTED AT TIME OF APPLICATION
2. NOT USED
3. TO BE PROVIDED TO THE ORS WHEN SITE IS DETERMINED--
ACCESS ROADS & GATE ENTRANCES PURSUANT TO: TITLE, 19, CCR, SUBCHAPTER 1, ARTICLE 902.2 ACCESS ROADS AND 902.214 GATE ENTRANCES TO SCHOOL GROUNDS. IT IS NECESSARY TO PROVIDE THE ORS WITH WRITTEN CERTIFICATION FROM THE FIRE AUTHORITY THAT THE ABOVE SECTIONS ARE BEING MET TO THEIR SATISFACTION. IT IS NECESSARY TO PROVIDE THIS INFORMATION PRIOR TO RECEIVING APPROVAL BY THE ORS. (IF FURTHER INFORMATION IS DESIRED, PLEASE CONTACT THE ORS).
4. PROVIDE SEPARATE SHOP DRAWINGS FOR FIRE ALARM SYSTEM TO THE ORS @ TIME OF RELOCATABLE APPROVAL FOR REVIEW & APPROVAL PRIOR TO INSTALLATION
5. PROVIDE STATE FIRE MARSHAL LIST NUMBERS FOR ALL COMPONENTS.

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR	CONC.	CONCRETE	EQ	EQUAL	GND	GROUND
ALUM./AL	ALUMINUM	CONT.	CONTINUOUS	EXT	EXTERIOR	H.M.	HOLLOW METAL
ADJ.	ADJUSTABLE	DBL	DOUBLE	F.E.	FIRE EXTINGUISHER	INSUL	INSULATION
BC	BOTTOM CHORD	DIA	DIAMETER	FDN	FOUNDATION	INT	INTERIOR
BLDG	BUILDING	DIM	DIMENSION	FOS	FACE OF STUD	MAX	MAXIMUM
BLK	BLOCK	DN	DOWN	FOC	FACE OF COLUMN	MFR	MANUFACTURER
BLKG	BLOCKING	EA	EACH	FOF	FACE OF FINISH	MIN.	MINIMUM
CL	CENTER LINE	ELEC	ELECTRICAL	FFL	FINISH FLOOR	N.I.C.	NOT IN CONTRACT
CLG	CEILING	EOT	EDGE OF TRUSS	GA	GAUGE	N.T.S.	NOT TO SCALE
COL.	COLUMN	EOF	EDGE OF FLANGE	GALV	GALVANIZED	TYP.	TYPICAL

FILE NAME: PCOREY PLOT SF: 1=1



SHEET NOTES

- COLUMN: 2"x2"x3/16" SQ. TUBE
- 5/8" EXT. PLYWOOD SIDING. SEE SPECS. SHEET 8
- ROOFING: 30 ga MIN STANDING RIB
- TRIM: 2X8
- MODULE LINE
- Z-BAR FLASHING
- HVAC UNIT
- TRIM: 1X4
- DOOR SEE SPEC'S
- RAMP SEE SHEET 12
- WINDOW: 9'-0"x4'-0" XOX SEE SPECS
- FIRE EXTINGUISHER-MOUNT ON WALL BRACKET @ 48" A.F.F. MAX

Approval: Engineering Consultant

Approval:

IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT

APPROJ 101574

AC FLS SS

DATE 5-5-99

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES

AC FLS SS

DATE 11-2-00

Revisions:

75 MPH EXP 'C' / 20 PSF UNREDUCED / SW

24X40 RELOCATABLE BUILDING

Hayward Unified School Dist
 DATE: 03/17/99 JOB NO. 20-818

Sheet Title: FLOOR PLAN & ELEVATIONS

Drawn: J.A

Date: 8/22/96

Scale: NOTED

Job:

Sheet 1
 Of Sheet

designed mobile systems industries, inc.
 P.O. BOX 367
 Pelterson, California 95363
 (209) 892-6298

Approval: Engineering Consultant

IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT

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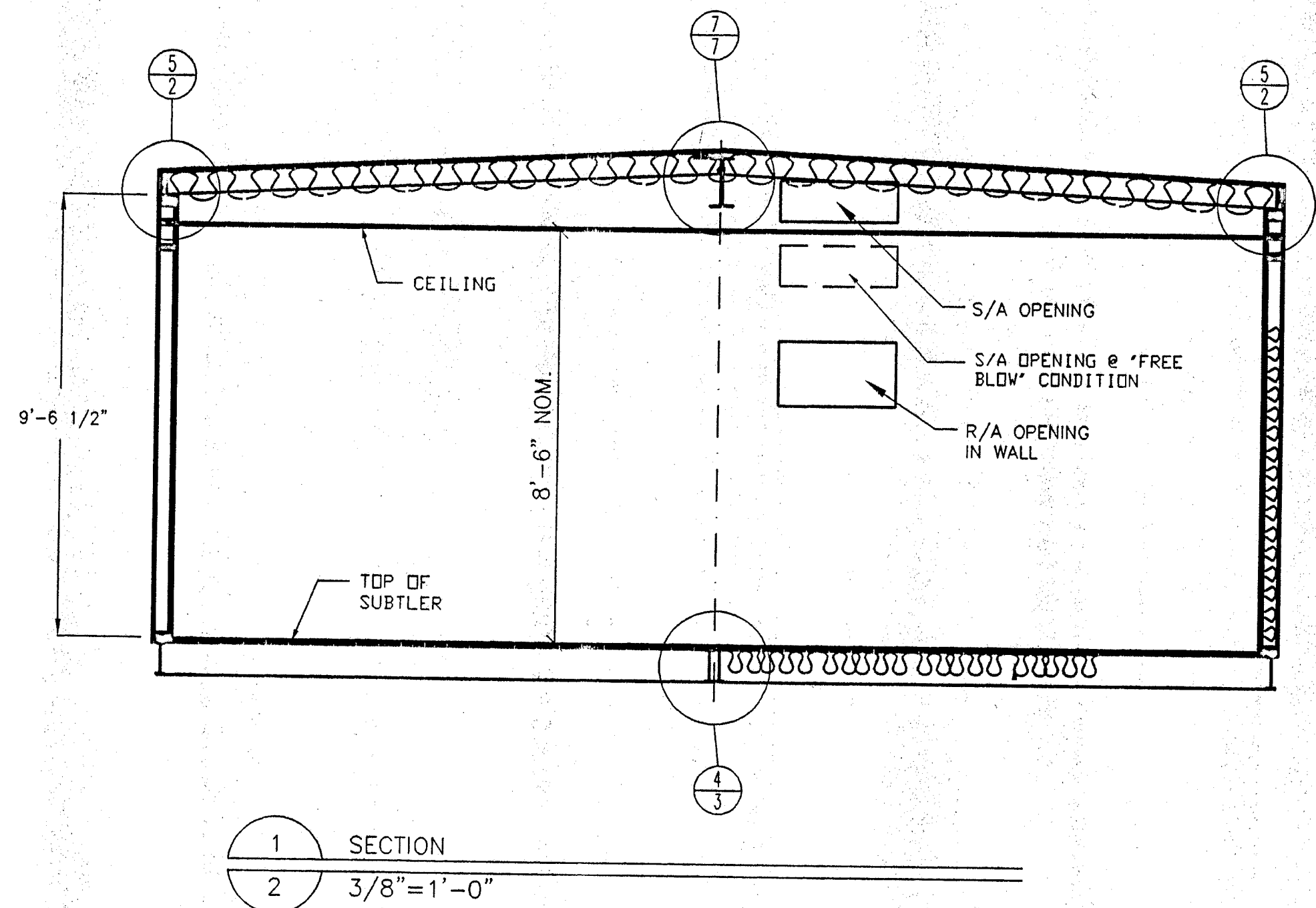
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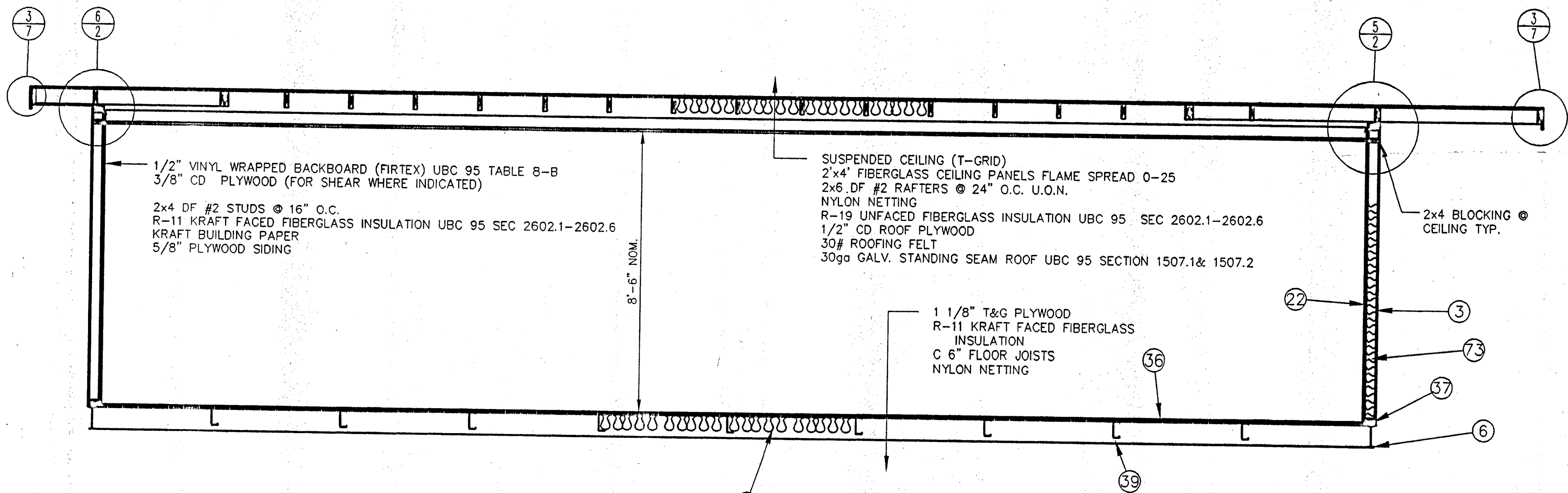
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Sheet 1
 Of Sheet

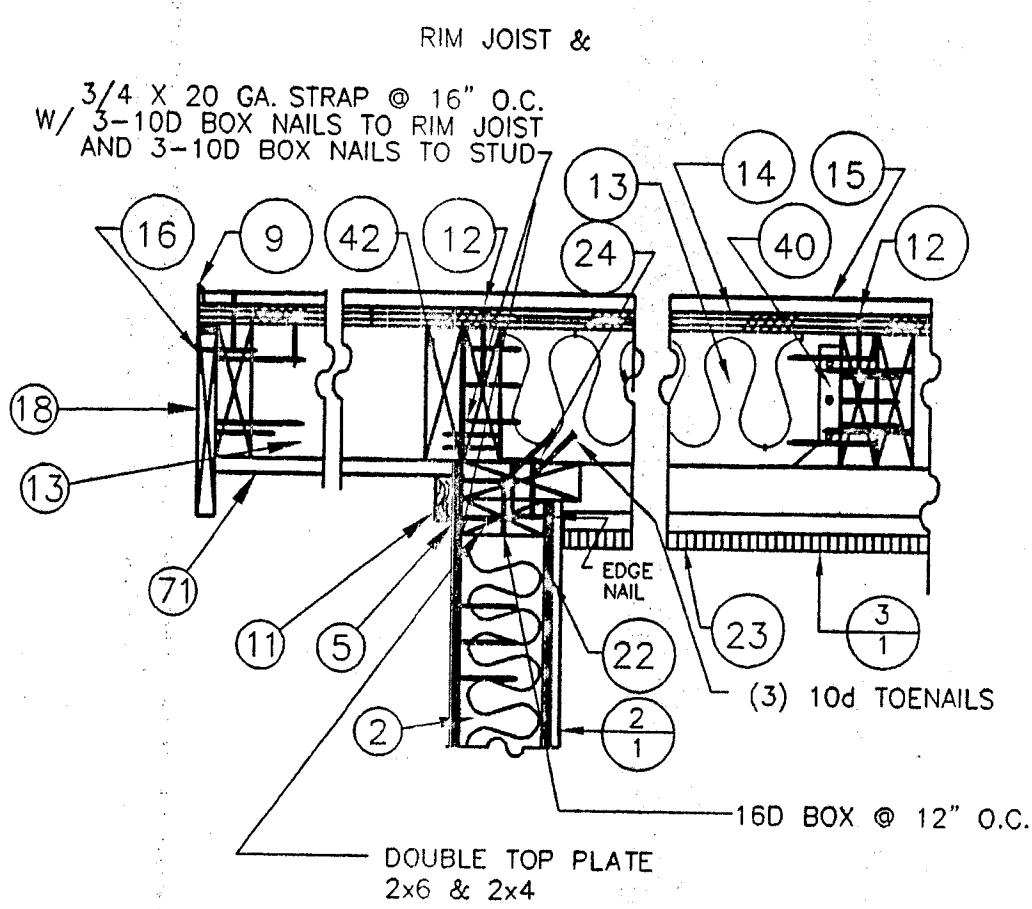
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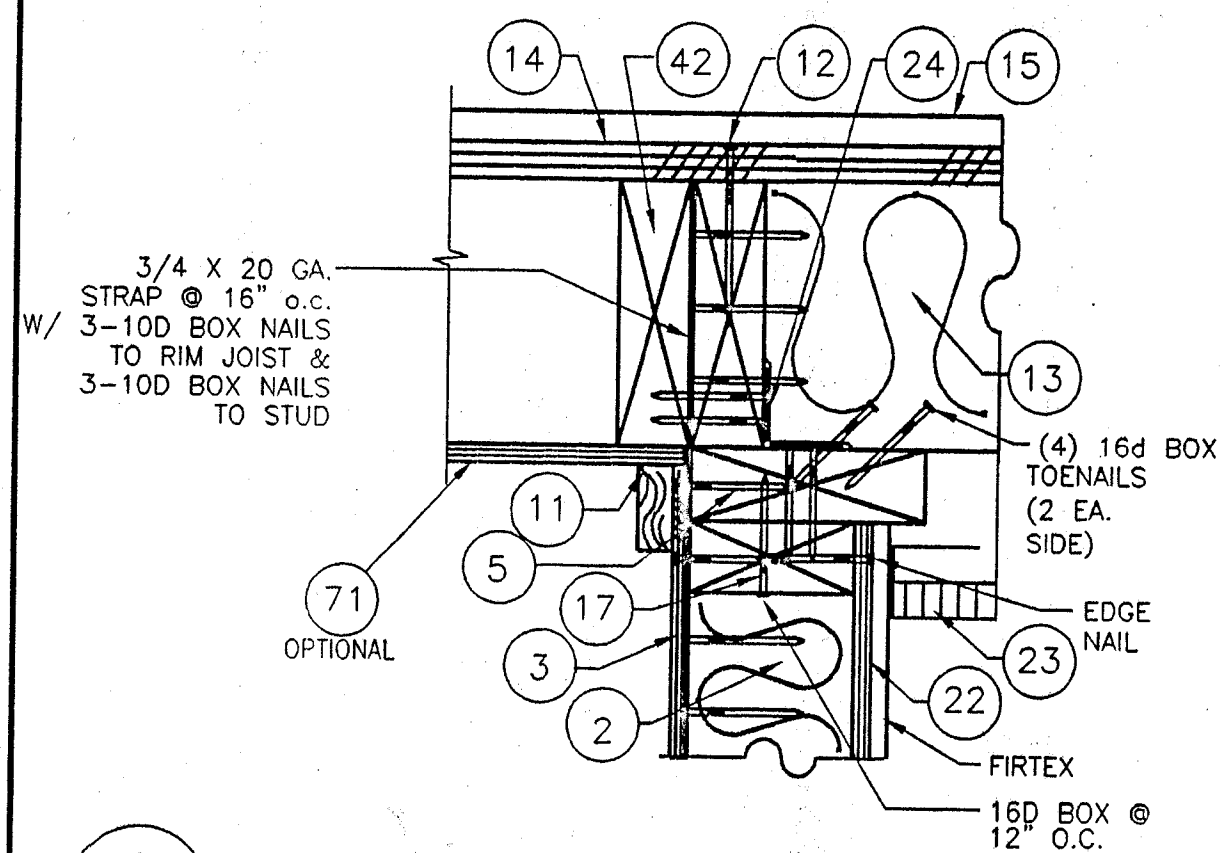
1 SECTION
2 3/8"=1'-0"



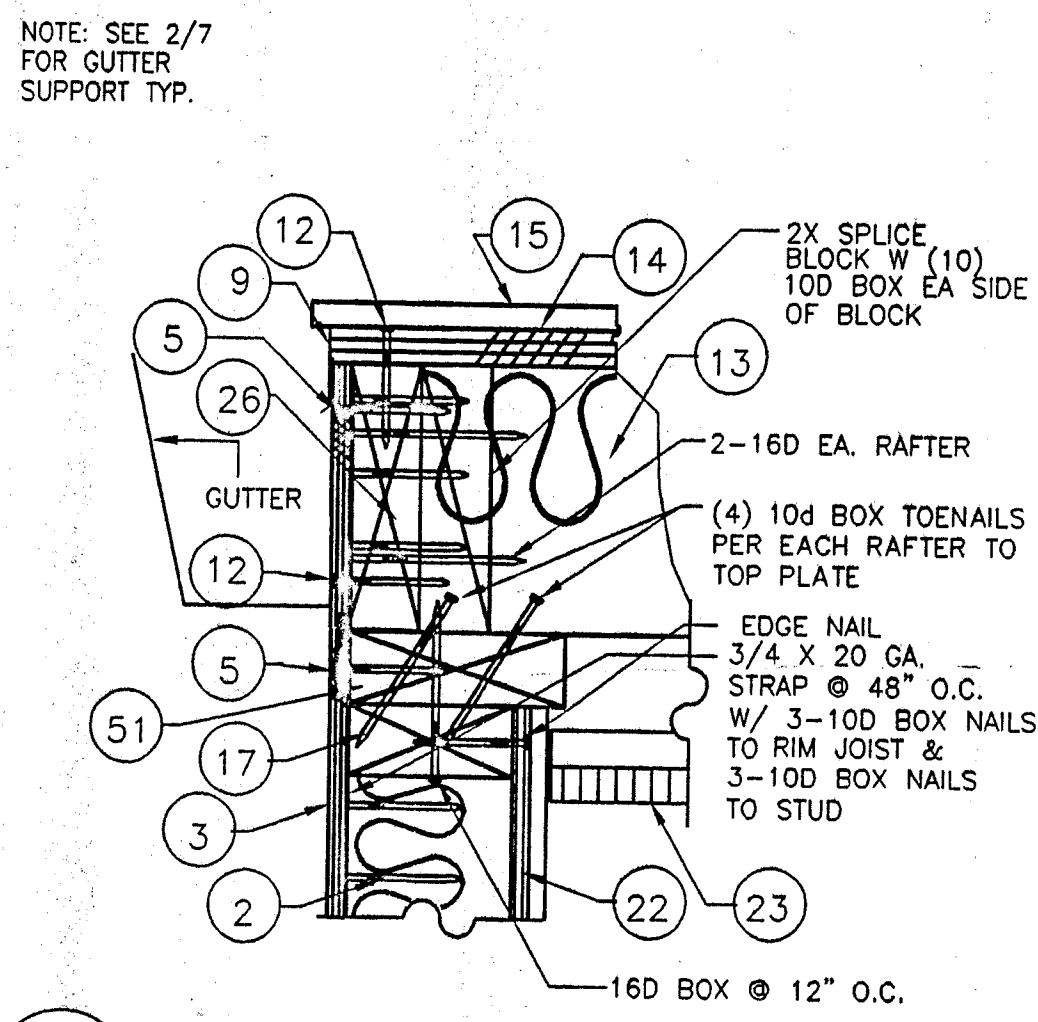
2 SECTION
2 3/8"=1'-0"



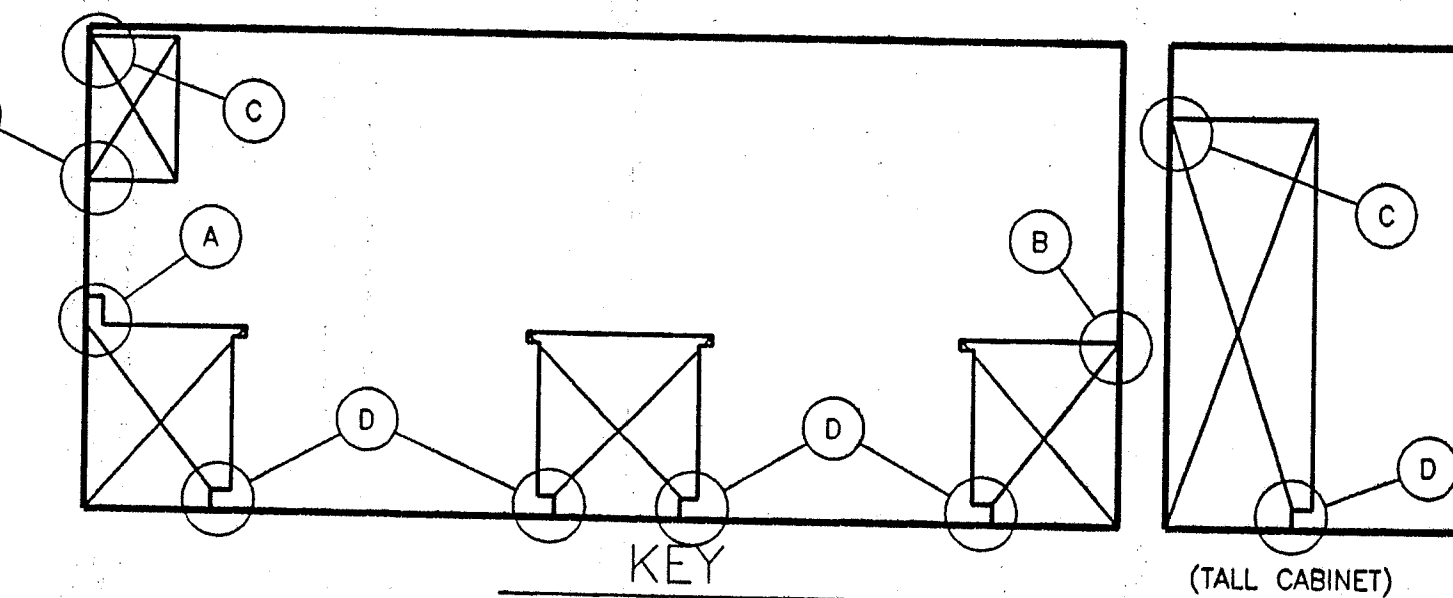
5 FRONT END WALL
2 1-1/2"=1'-0"



6 BACK END WALL
2 3"=1'-0"



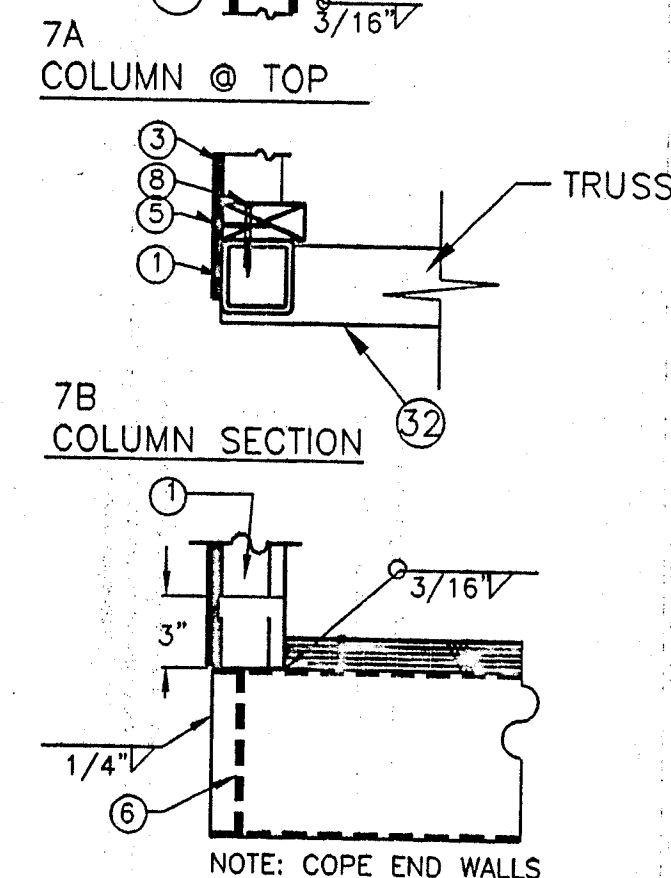
7 SIDEWALL
2 3"=1'-0"



10 CABINET ANCHORAGE DETAILS
2 1 1/2"=1'-0"

SHEET NOTES

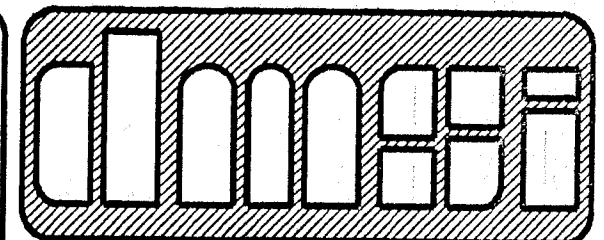
- 1 COLUMN: 2"x2"x3/16" SQ. TUBE
- 2 STUD: 2x4 DF @ 16" O.C. SEE SHT. 8
- 3 5/8" EXT. PLYWOOD SIDING. SEE SPECS. SHEET 8
- 5 BOUNDARY NAILING: SEE NAILING SCHEDULE, SHT 2
- 6 FLOOR PERIMETER FRAME: M 8" X 6.5# 1 BEAM
- 8 PNEUTEK 34250L @ 12" o.c.
- 9 PERFORMED METAL ROOF EDGE
- 11 TRIM: 1x2
- 12 NAILS: 8d @ 6" o.c.
- 13 RAFTER: 2x6 ALT: 2x8
- 14 PLYWOOD ROOF SHEATHING
- 15 ROOFING: 30 GA. MIN STANDING RIB
- 16 NAILS: 2-16d PER RAFTER
- 17 DOUBLE TOP PLATE
- 18 1x FASCIA TRIM MIN.
- 22 3/8" CD PLYWOOD FOR SHEAR, ENTIRE WALL
- 23 SUSPENDED CEILING
- 24 A35 CLIP BLOCK TO TOP PLATE
- 26 RIM RAFTER: 2x6 ALT: 2x8
- 30 TRUSS @ RIDGE SEE SHEET 6
- 32 MOD LINE
- 36 1 1/8" FLOOR PLYWOOD
- 37 SILL PLATE: 2x4 CONT.
- 39 C 6"x3"x12ga @ 4'-0" O.C. (SEE ALTERNATE)
- 40 SIMPSON U26 JOIST HANGER
- 42 2x6 BLOCKING ALT: 2x8
- 51 2X6 TOP PLATE
- 71 SOFFIT: 3/8" PLYWOOD NO GROOVES (SOFFIT OPTIONAL)



7A COLUMN @ TOP
7B COLUMN SECTION
7C COLUMN @ BOTTOM
3 COLUMN
2 1-1/2"=1'-0"

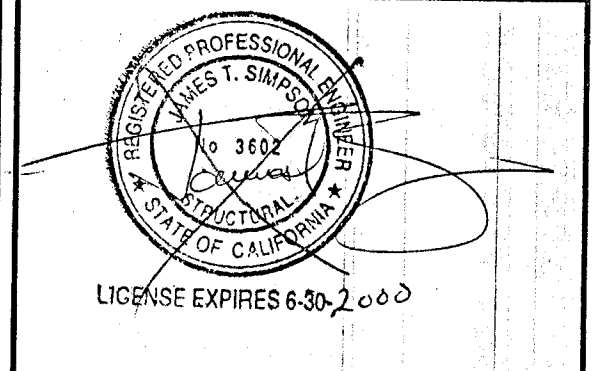
PLYWOOD NAILING SCHEDULE

ITEM	FASTENER	SPACING	ITEM	FASTENER	SPACING
1-1/8" SUBFLOOR			3/8" CD PLYWOOD @ INTERIOR SIDE OF WALL		
TO M8x6.5	SDL 45175 0.187"	6" O.C. EDGES 10" O.C. FIELD	END WALLS		
TO M8x6.5	SDL 45175 0.187"	6" O.C. EDGES 6" O.C. INT. WHERE ARE SPACED @ 48" O.C.	SHEAR	8d BOX	4" O.C. EDGES 12" O.C. FIELD
TO C 6"x12ga	H34162T 0.170"	6" O.C. EDGES 10" O.C. FIELD	NON-SHEAR	8d BOX	6" O.C. EDGES 12" O.C. FIELD
1/2" CD ROOF PLY	8d BOX	6" O.C. EDGES 12" O.C. FIELD	SIDEWALLS		
			SHEAR	8d BOX	6" O.C. EDGES 12" O.C. FIELD
			NON-SHEAR	8d BOX	6" O.C. EDGES 12" O.C. FIELD
			5/8" EXT. TYPE 303 SIDING	8d GALV BOX	6" O.C. EDGES 12" O.C. FIELD

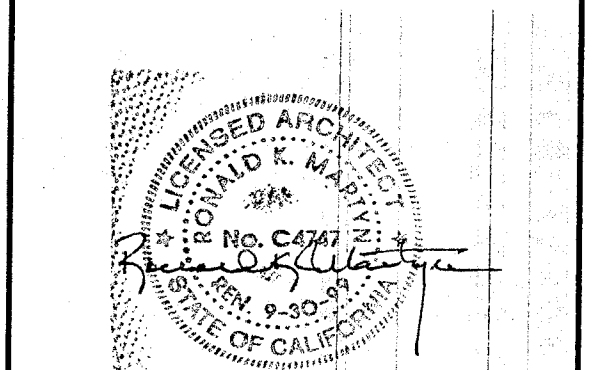


designed mobile systems industries, inc.
P.O. BOX 367
Patterson, California
95363
(209) 892-6298

Approval: Engineering Consultant

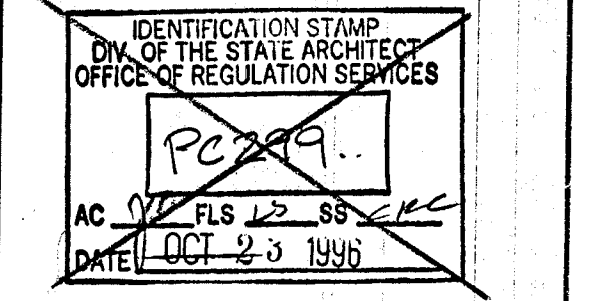


Approval:



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OFFICE OF REGULATION SERVICES

APPLIC 101574
AC FLS 12-88
DATE 5-5-99



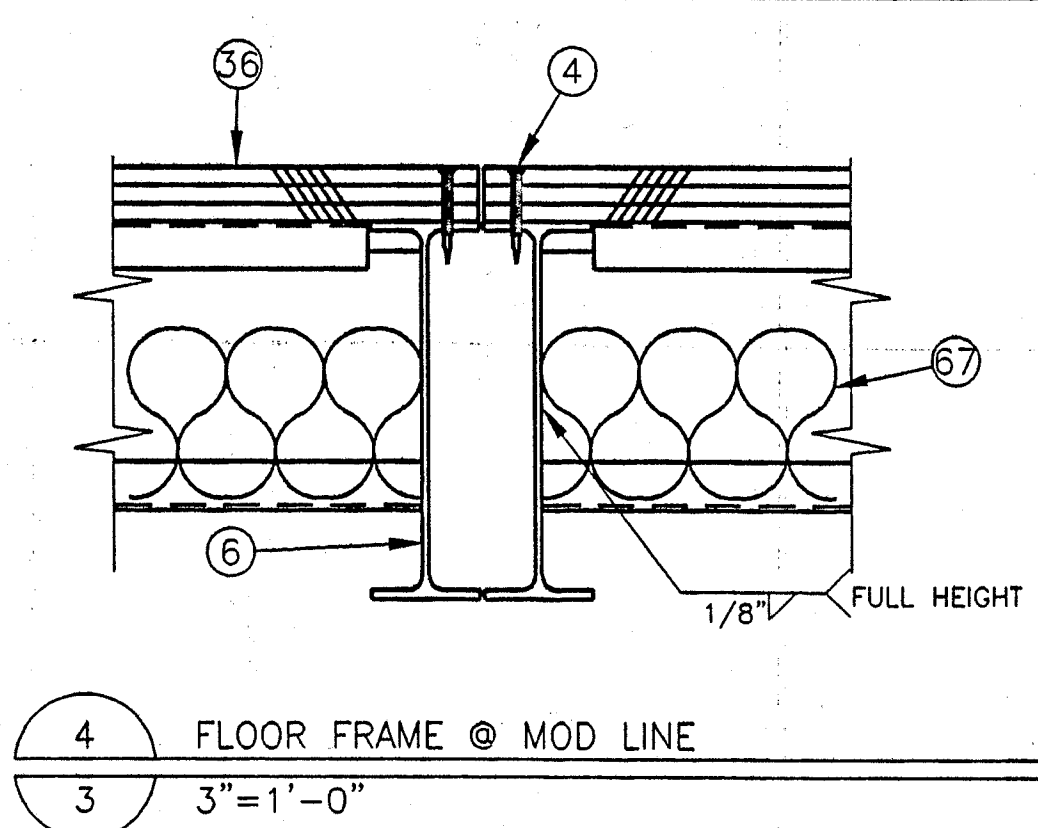
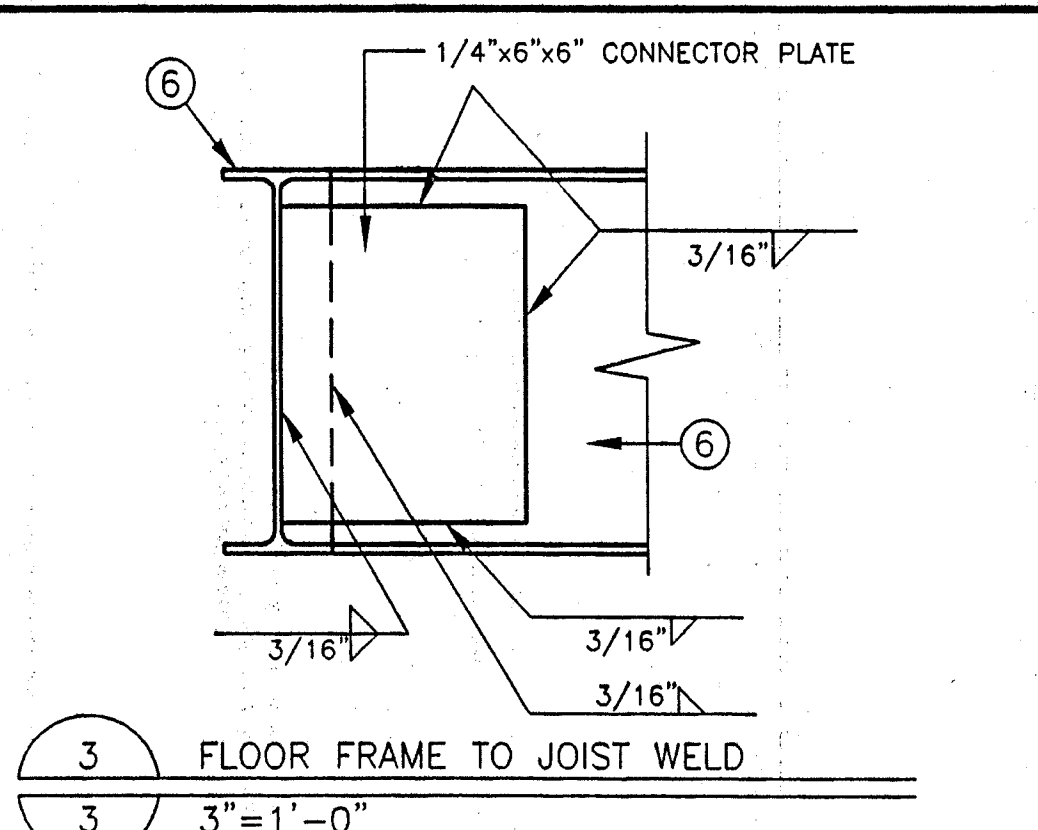
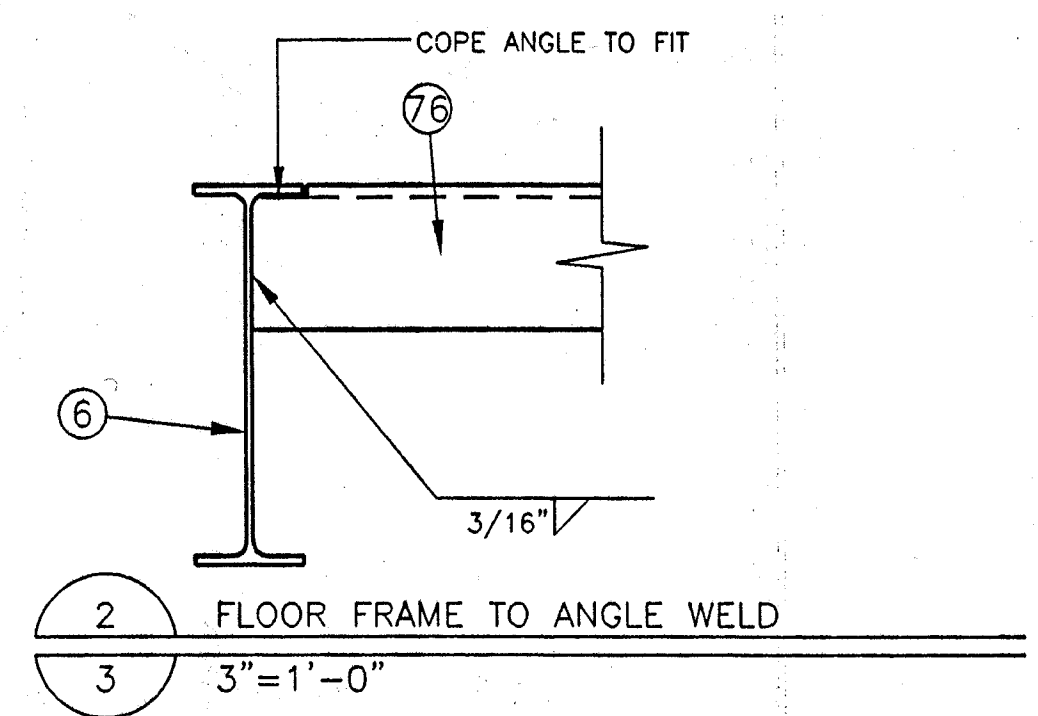
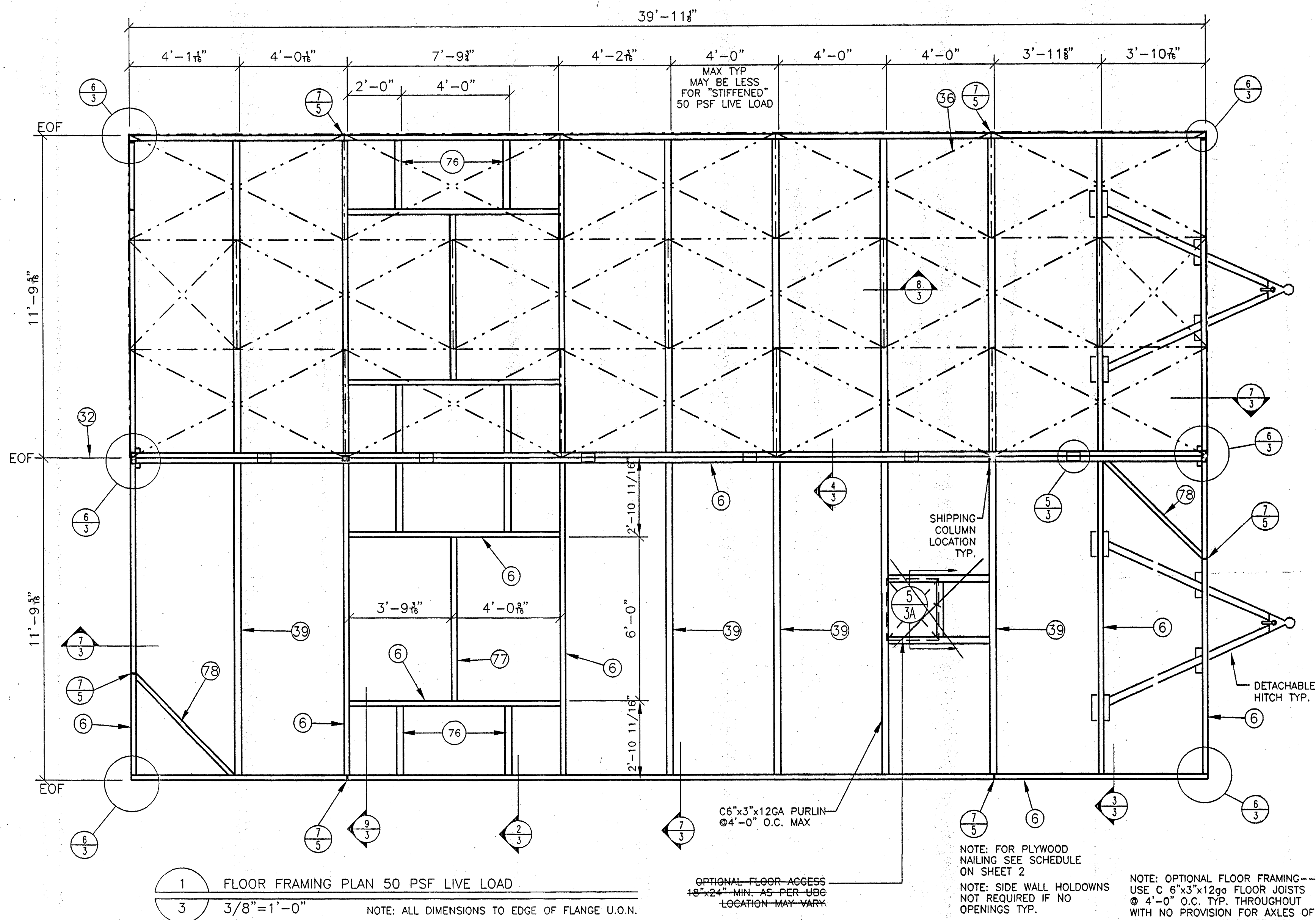
Revisions:

FILE NAME: PC2REV PLT SF: 1=4

3

75 MPH EXP 'C' / 20 PSF UNREDUCED / SW
24x40 RELOCATABLE BUILDING
Hayward Unified School Dist.
DATE: 03/17/99 JOB NO: 20-818
Sheet Title: BUILDING SECTIONS & DETAILS

Drawn: J.A.
Date: 10/1/96
Scale: NOTED
Job:
Sheet
2
Of Sheet



- SHEET NOTES**
- COLUMN: 2"x2"x3/16" SQ. TUBE
 - STUD: 2x4 DF @ 16" O.C., SEE SHEET 8
 - 5/8" EXT. PLYWOOD SIDING, SEE SPECS. SHEET 8
 - SEE NAILING SCHEDULE SHEET 2
 - BOUNDARY NAILING: SEE NAILING SCHEDULE SHEET 2
 - PERIMETER FLOOR BEAM
 - PNEUTEK 34325L @ 16" o.c. & MAX. FROM END OF ANY PIECE.
 - TYP. @ PANEL "E" AND "G" AND 6" o.c. @ PANEL "D" AND "F" SHEAR WALLS
 - 3/8 CD PLYWOOD
 - MOD LINE
 - 1 1/8" FLOOR PLYWOOD SEE SPEC'S
 - SILL PLATE: 2X4 CONT.
 - Z-METAL STRIP: 5/8 X 1 X 2
 - C 6"x3"x12ga @ 4'-0" O.C. MAX.
 - STEEL PLATE: 2"x2"x1/4" WELD @ TOP FLANGES OF M8x6.5 BEAM
 - INSULATION: R-11 KRAFT FACED OVER NYLON MESH
 - 3"x3"x1/4" ANGLE
 - C 6"x2 1/2"x14ga MIN.
 - 2"x2"x3/16" ANGLE BRACE FROM SIDE BEAM TO END BEAM @ HOLD DOWN LOCATIONS
 - 2x6 DF NAILER CONT. @ PERIMETER

dm

designed mobile systems industries, inc.

P.O. BOX 367
Patterson, California 95363
(209) 892-6298

Approval: Engineering Consultant

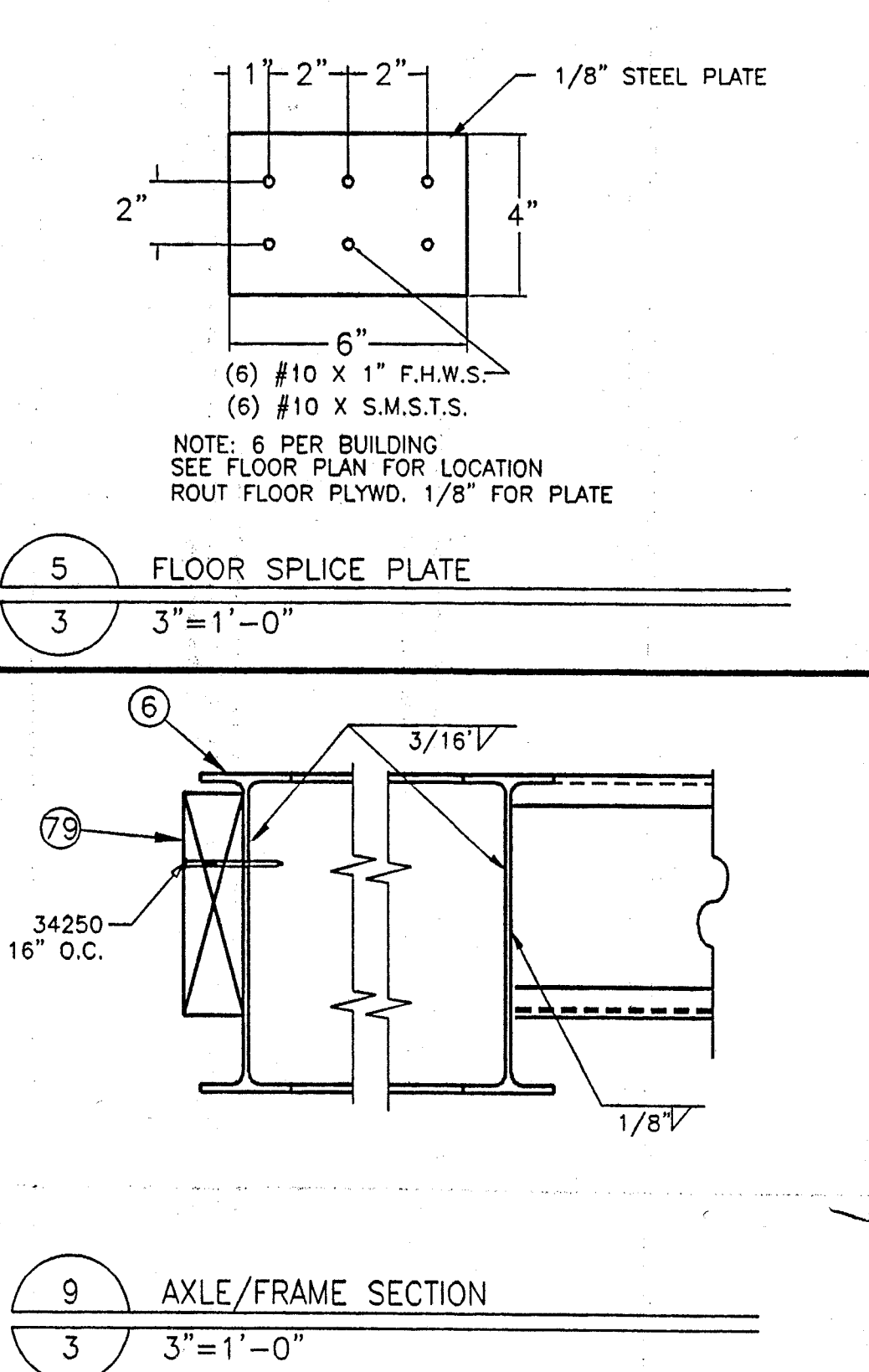
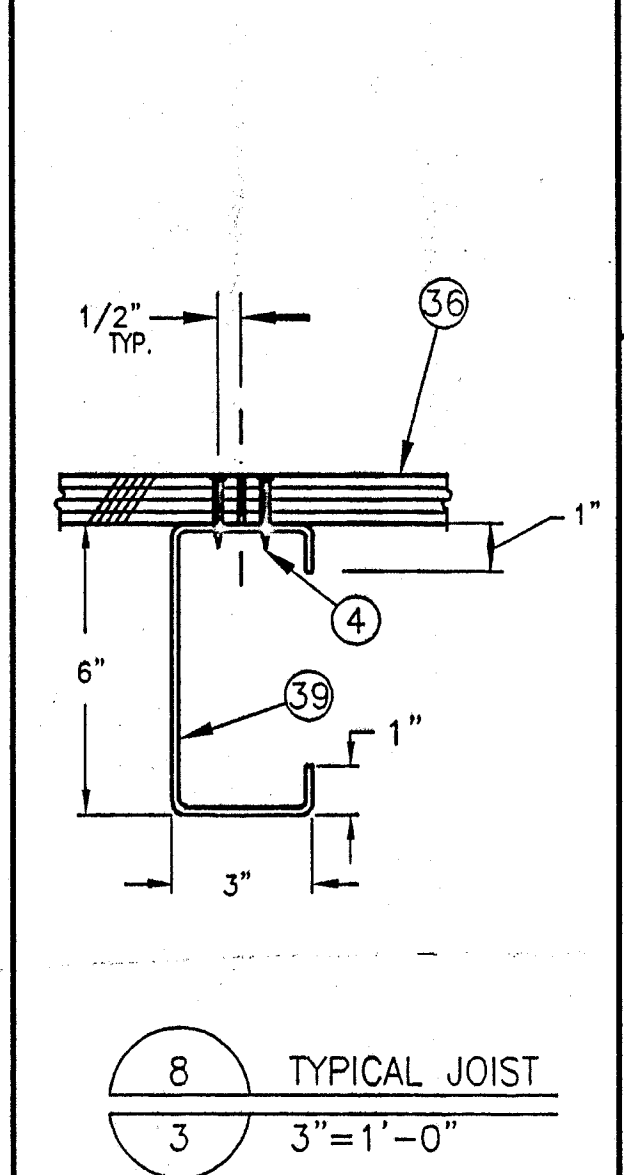
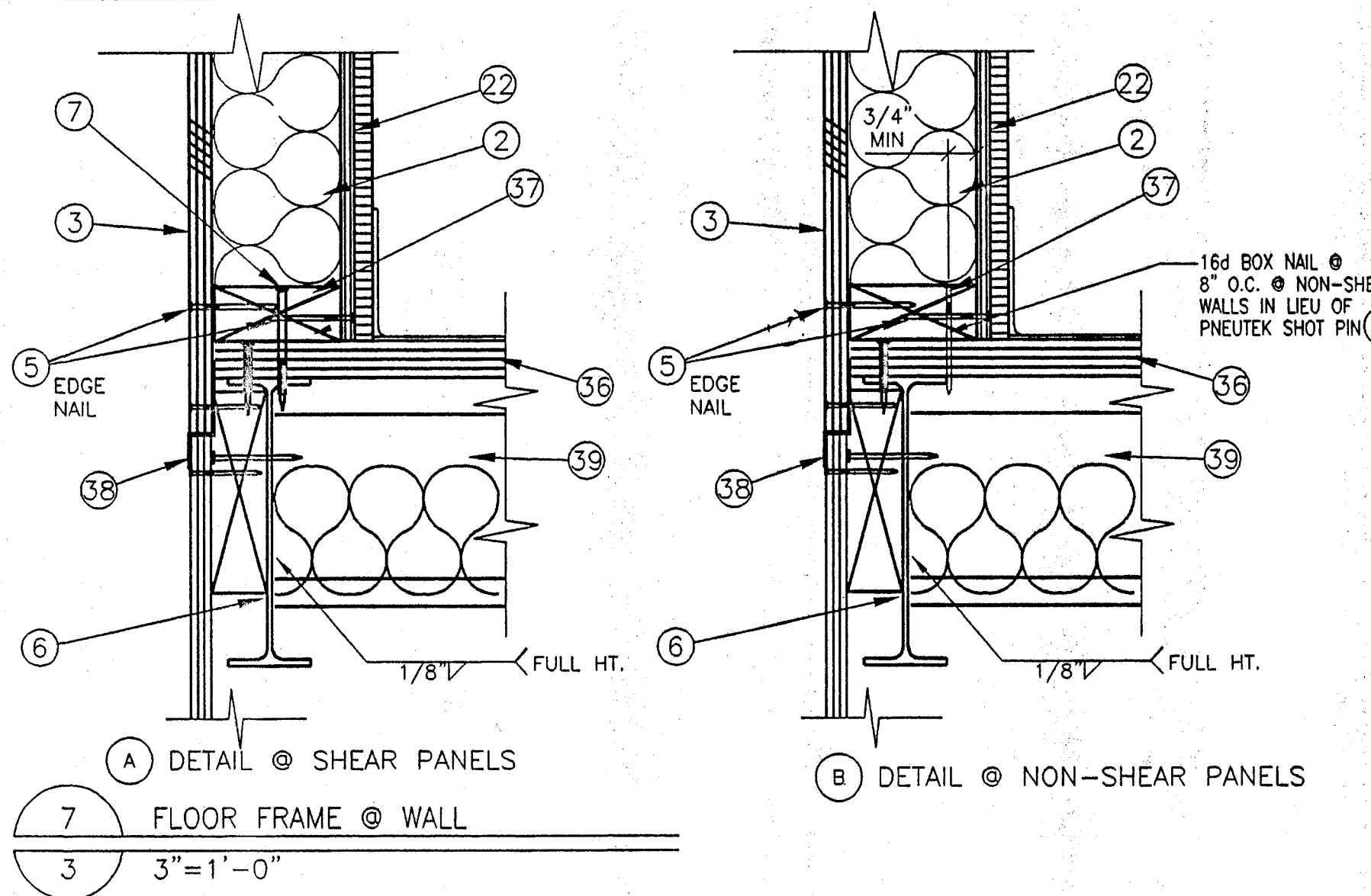
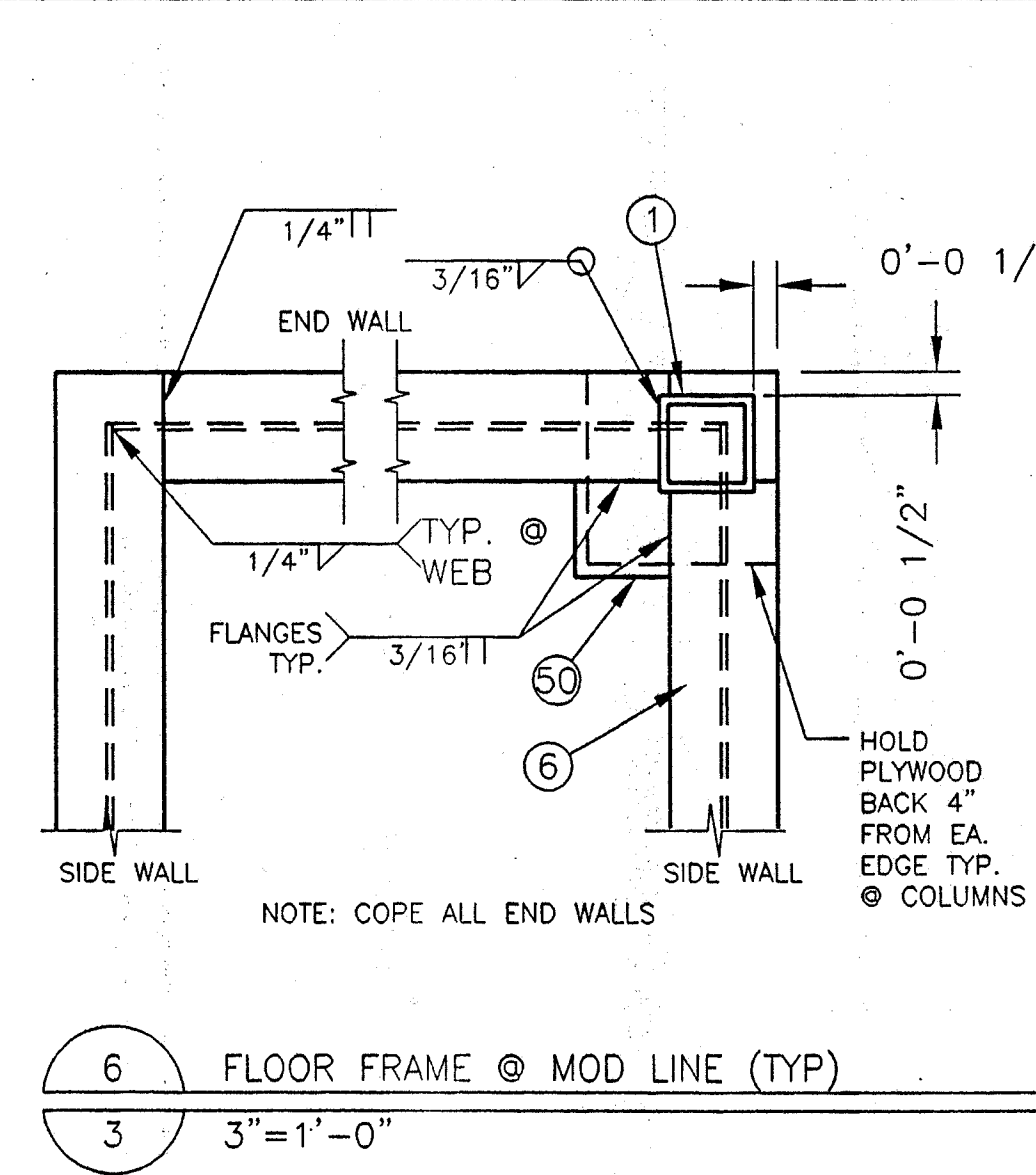
PROFESSIONAL ENGINEER
No. 3862
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2000

Approvals:

REGISTERED ARCHITECT
No. C4767
DATE 5-5-97

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPROX 10/15/97
AC FLS SS
DATE 5-5-97

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 249
AC FLS SS
DATE OCT-2-3 1996



FILE NAME: PC3REV PLT SF: 1=4

75 MPH EXP 'C' / 20 PSF UNREduced / SW

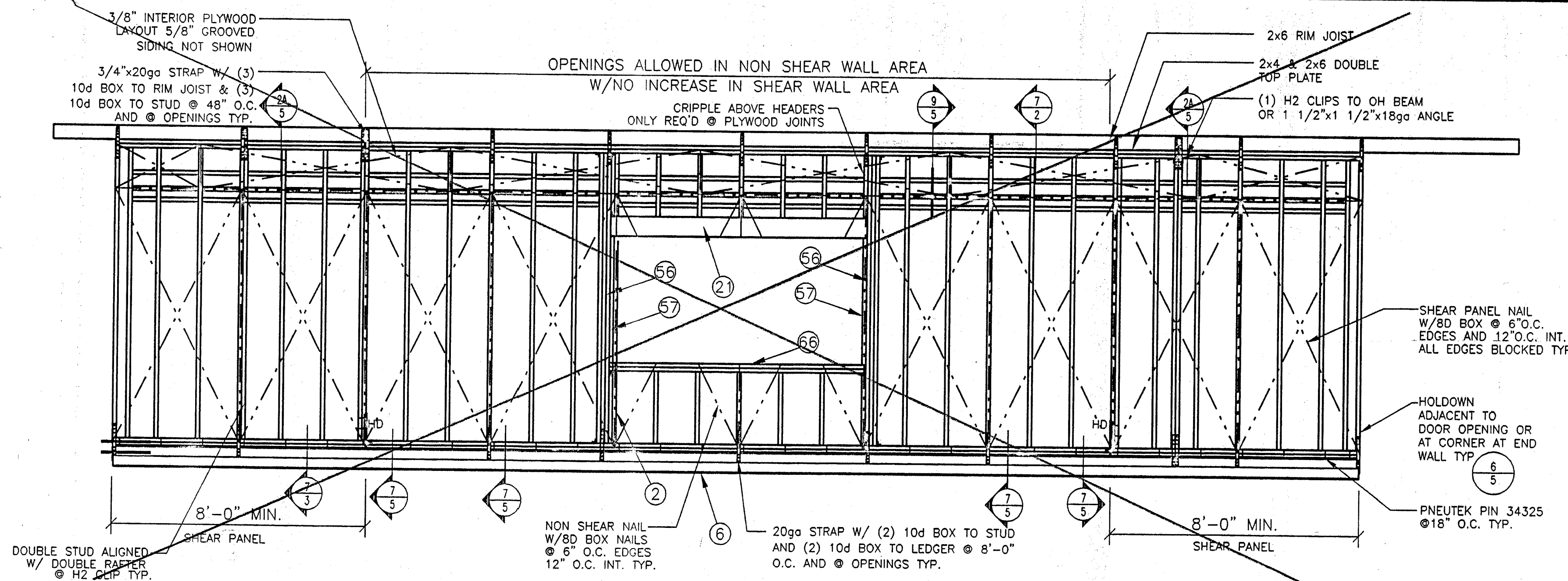
24x40 RELOCATABLE BUILDING

Hayward Unified School Dist.
SITE: Various Sites DATE: 05/17/99 JOB NO: 20-B1B

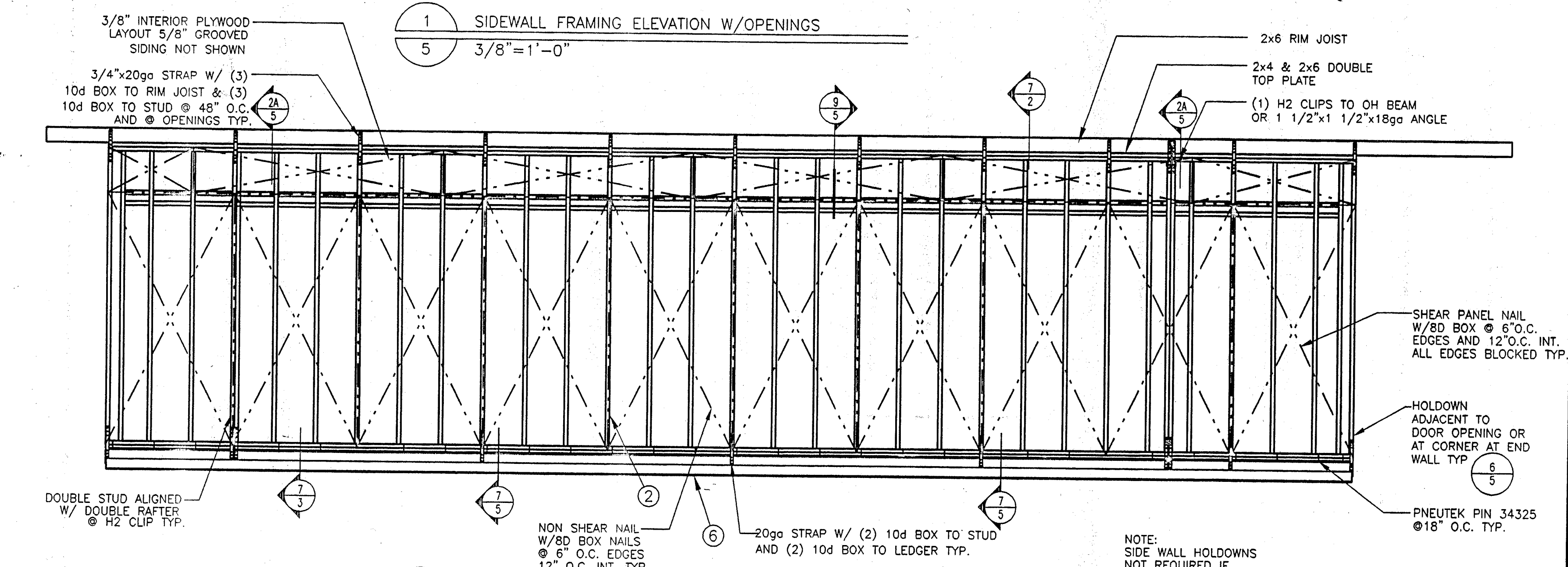
Sheet Title:
FLOOR FRAMING PLAN & DETAILS

Drawn: J.A.
Date: 10/15/96
Scale: NOTED
Job:

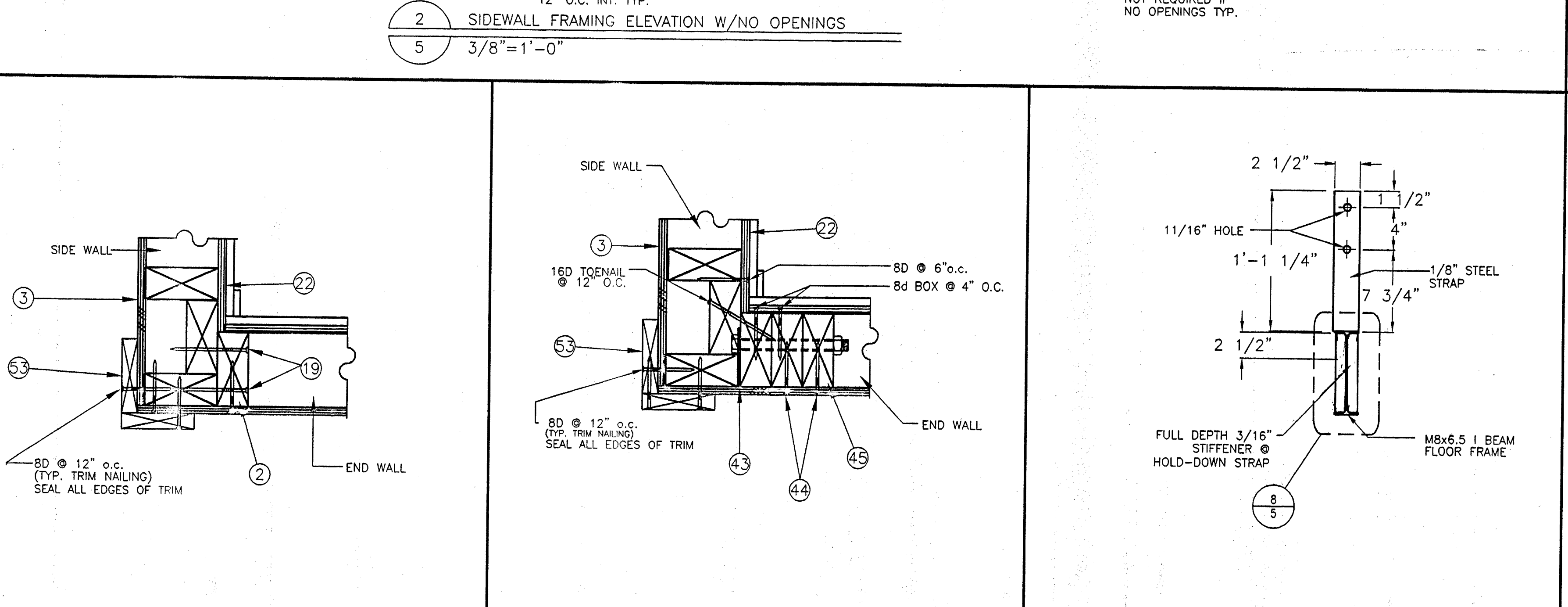
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3
Of Sheet



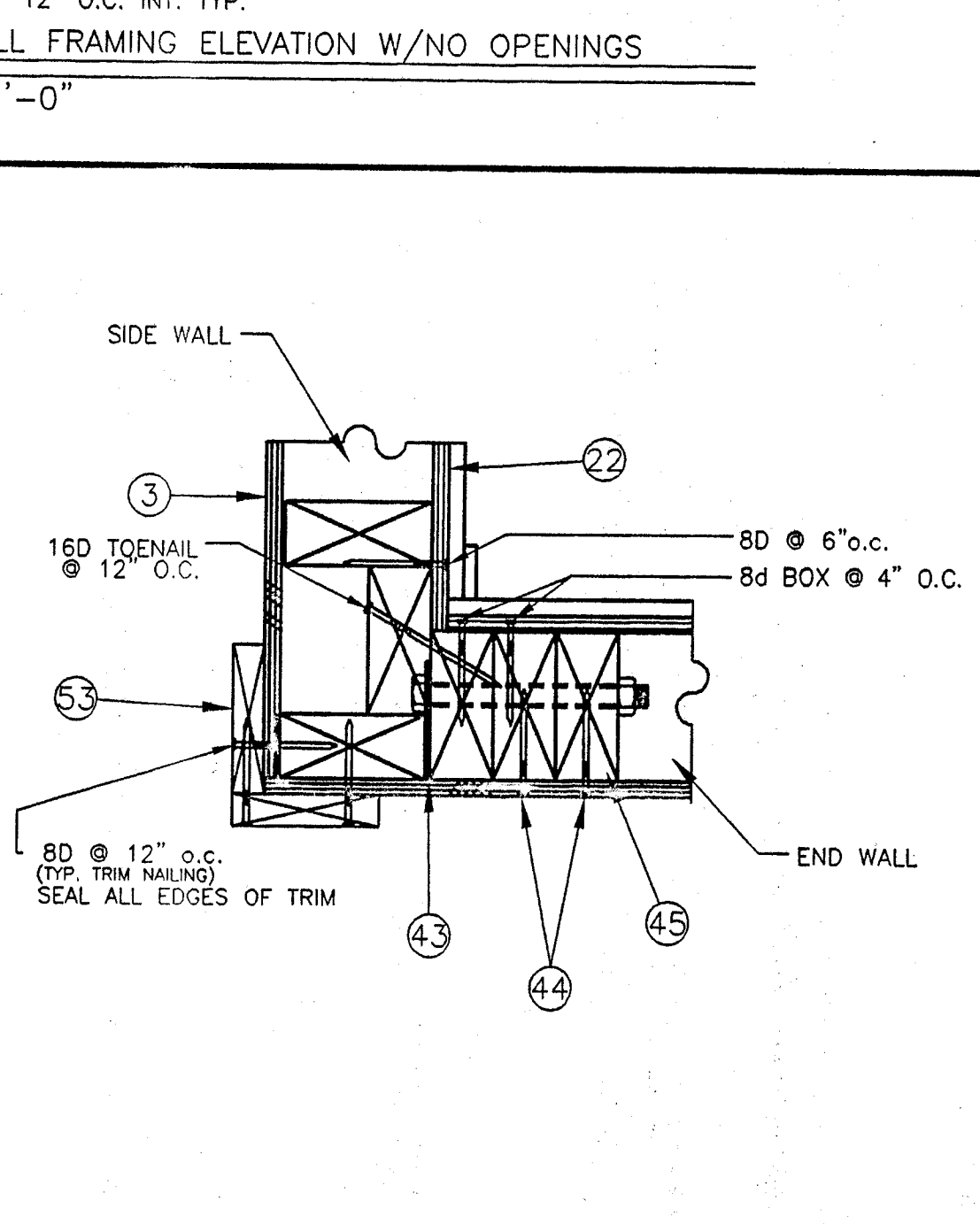
1 SIDEWALL FRAMING ELEVATION W/OPENINGS
5 3/8"=1'-0"



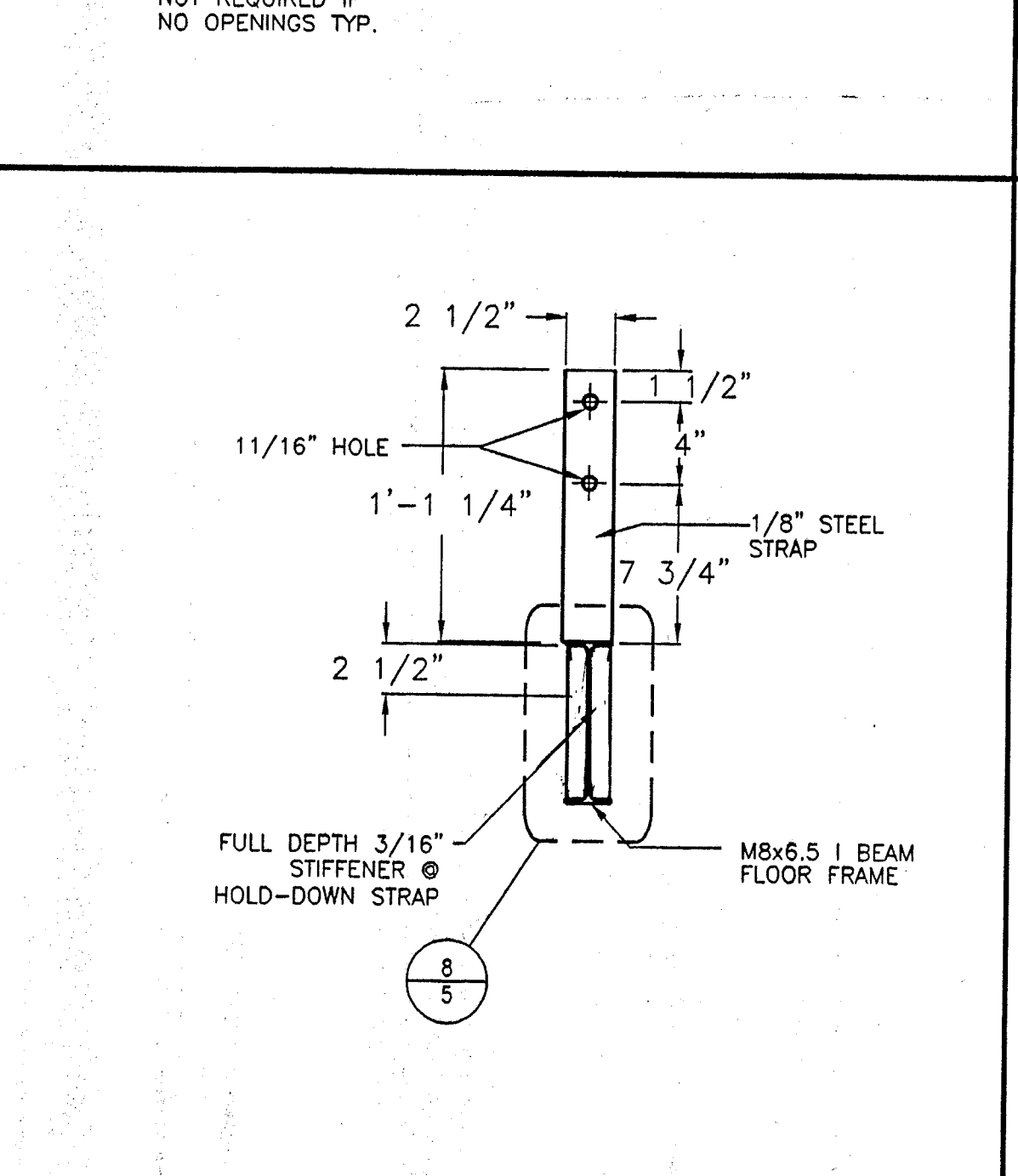
2 SIDEWALL FRAMING ELEVATION W/NO OPENINGS
5 3/8"=1'-0"



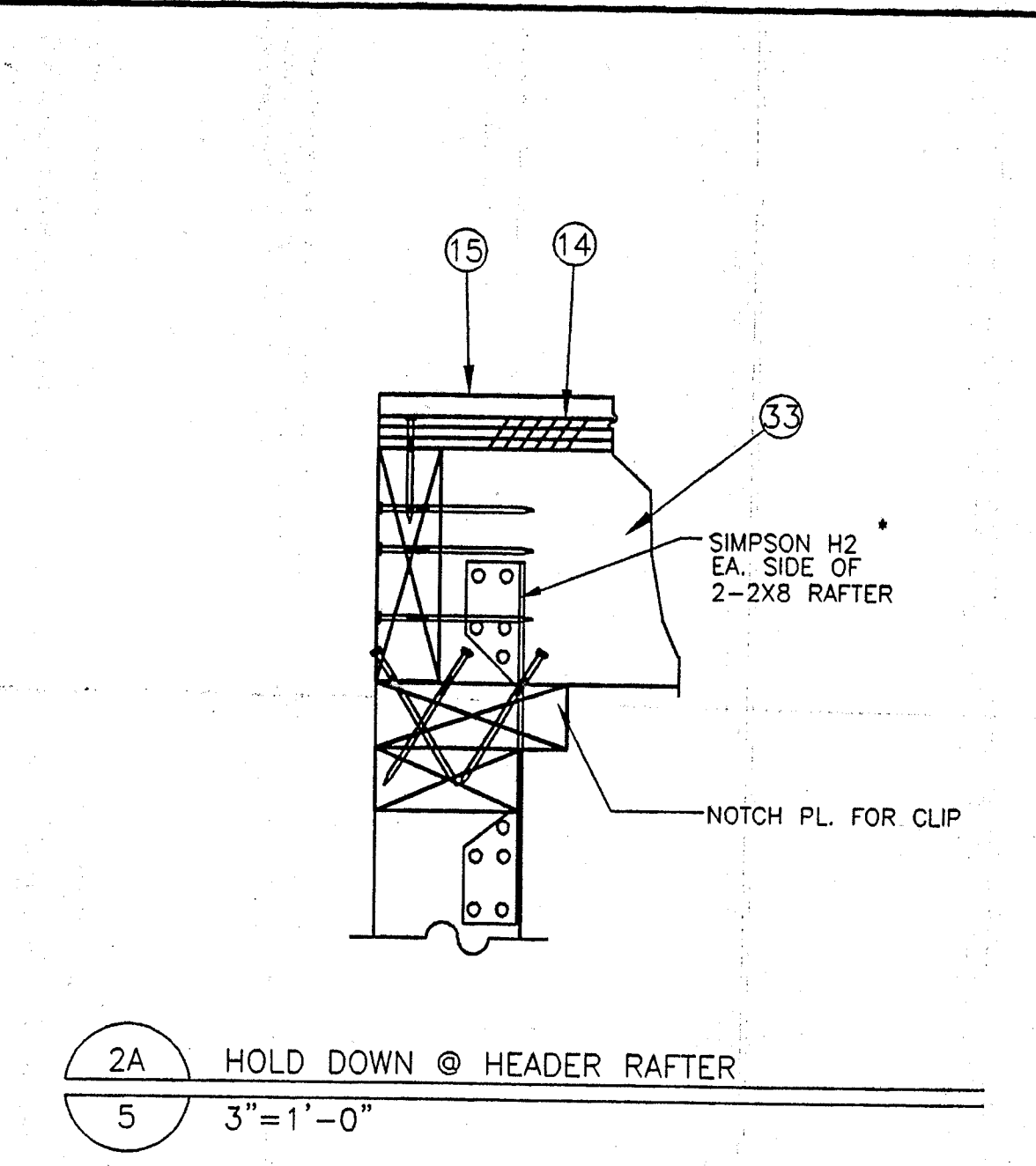
5 WALL CORNER WITHOUT HOLD DOWN
5 3"=1'-0"



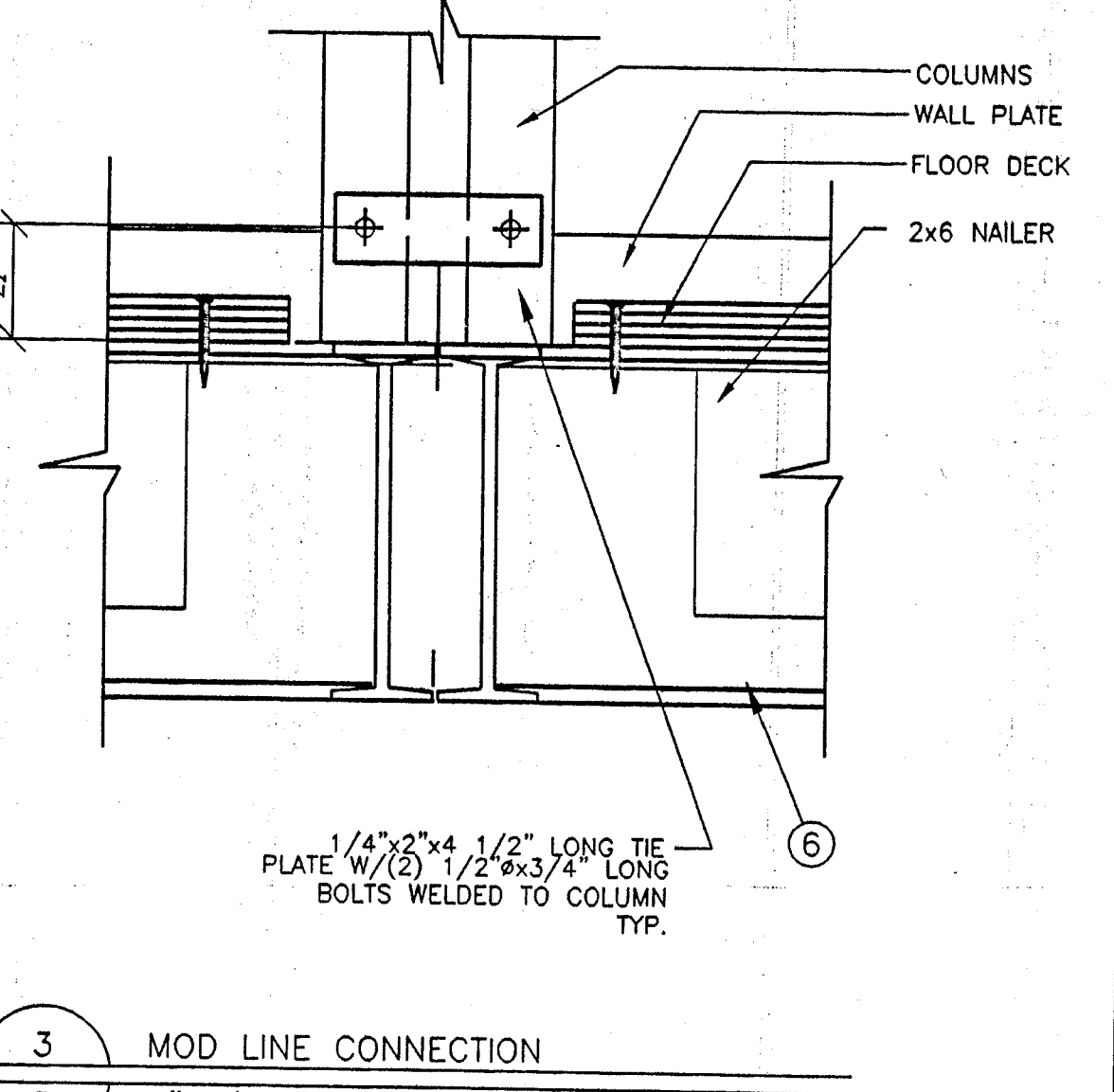
6 WALL CORNER WITH HOLD DOWN
5 3"=1'-0"



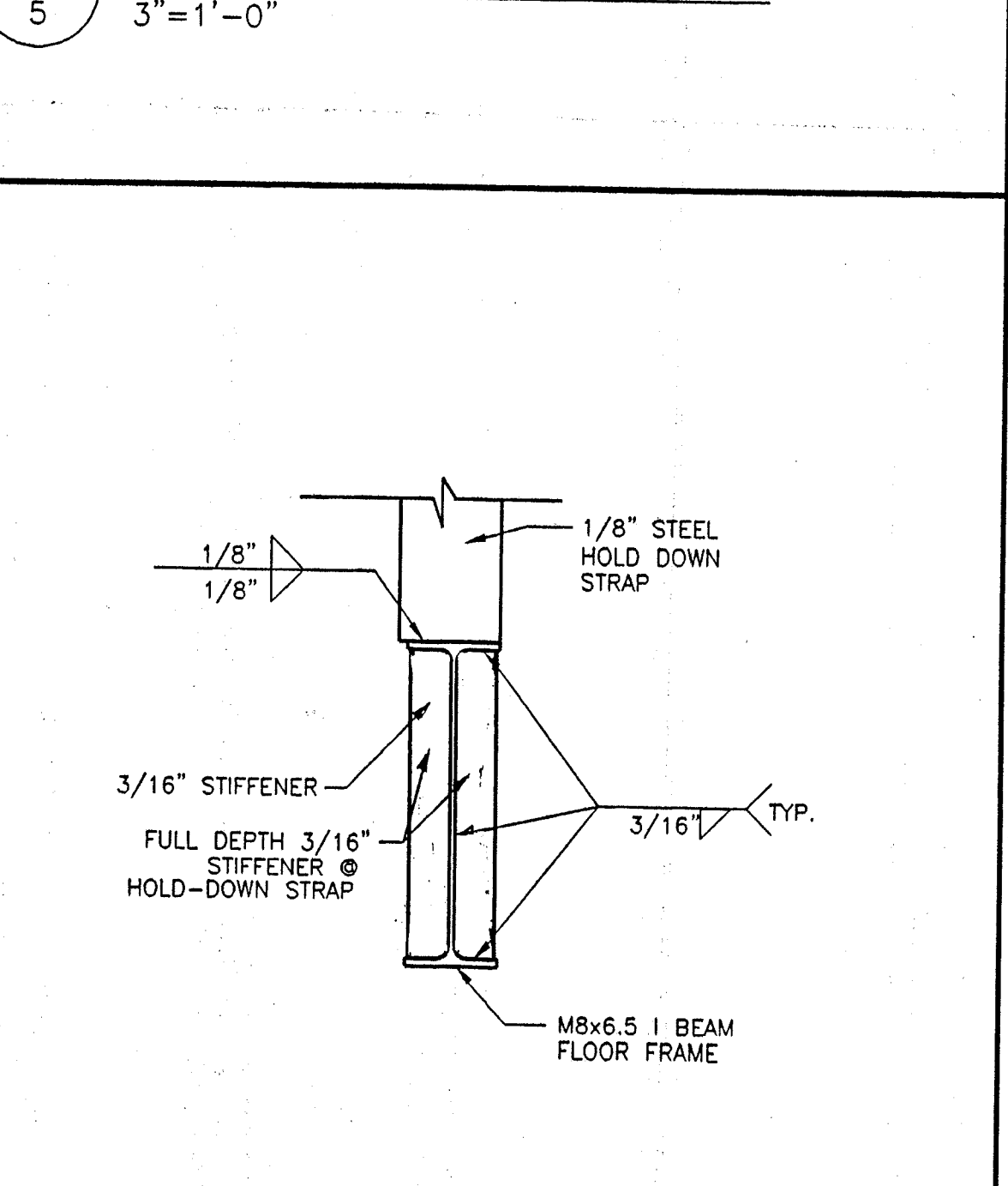
7 HOLD DOWN
5 1-1/2"=1'-0"



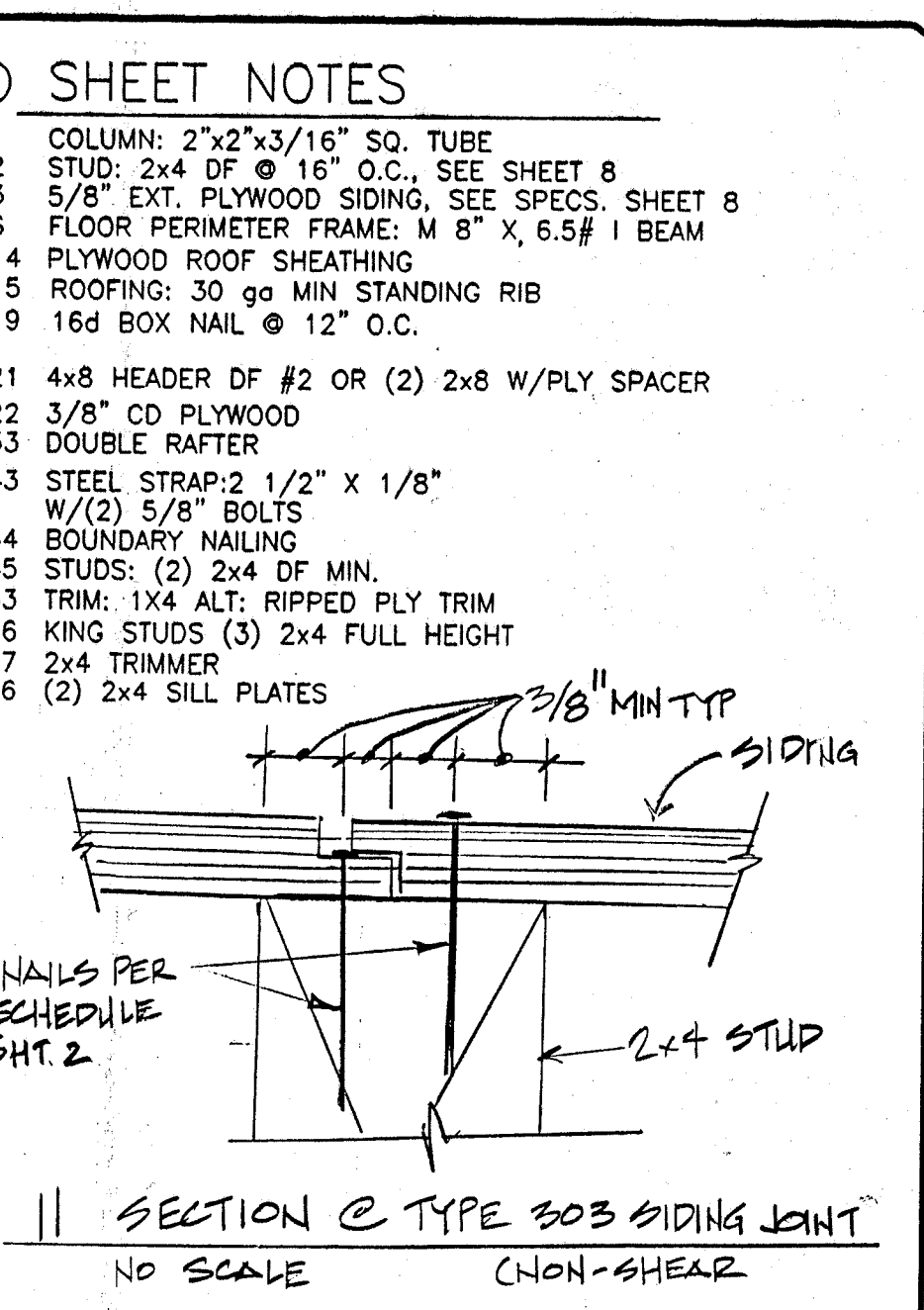
2A HOLD DOWN @ HEADER RAFTER
5 3"=1'-0"



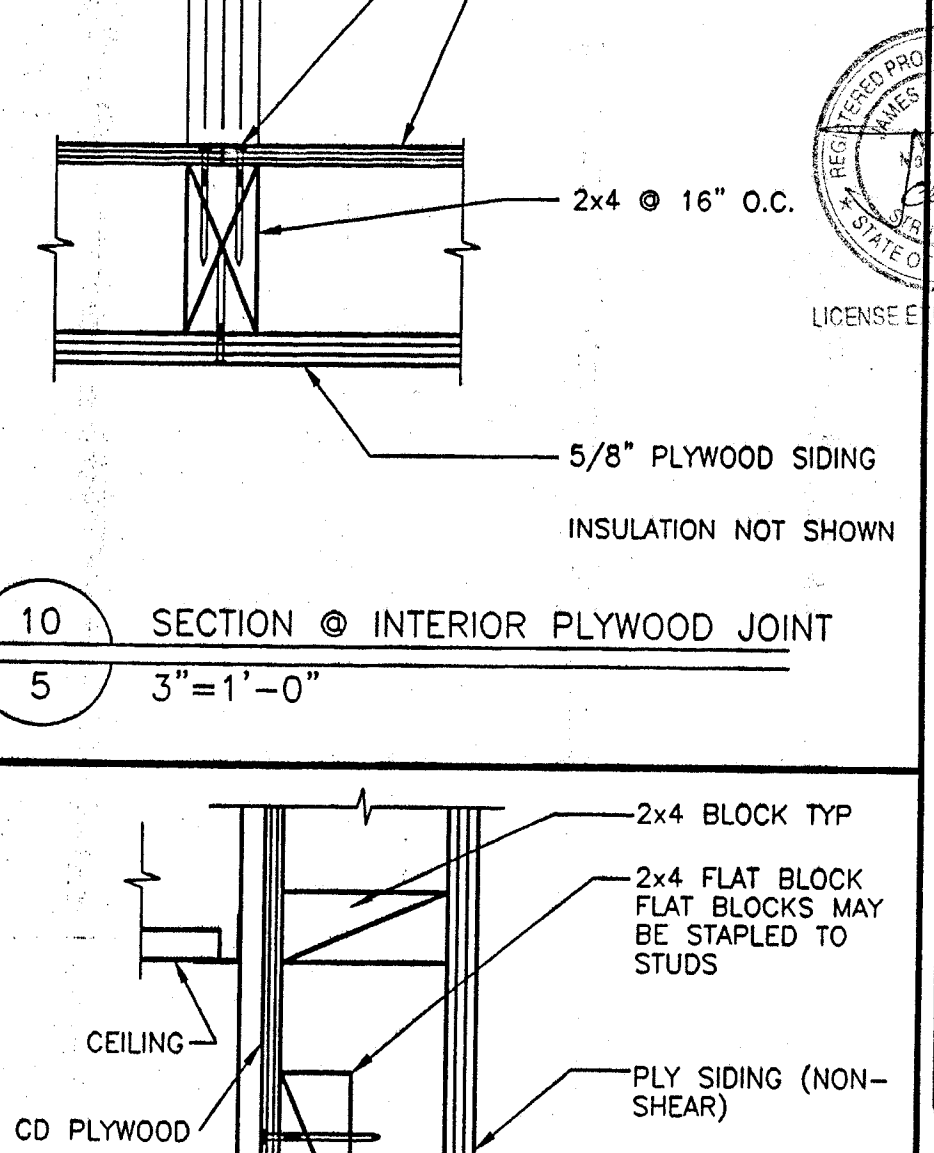
3 MOD LINE CONNECTION
5 3"=1'-0"



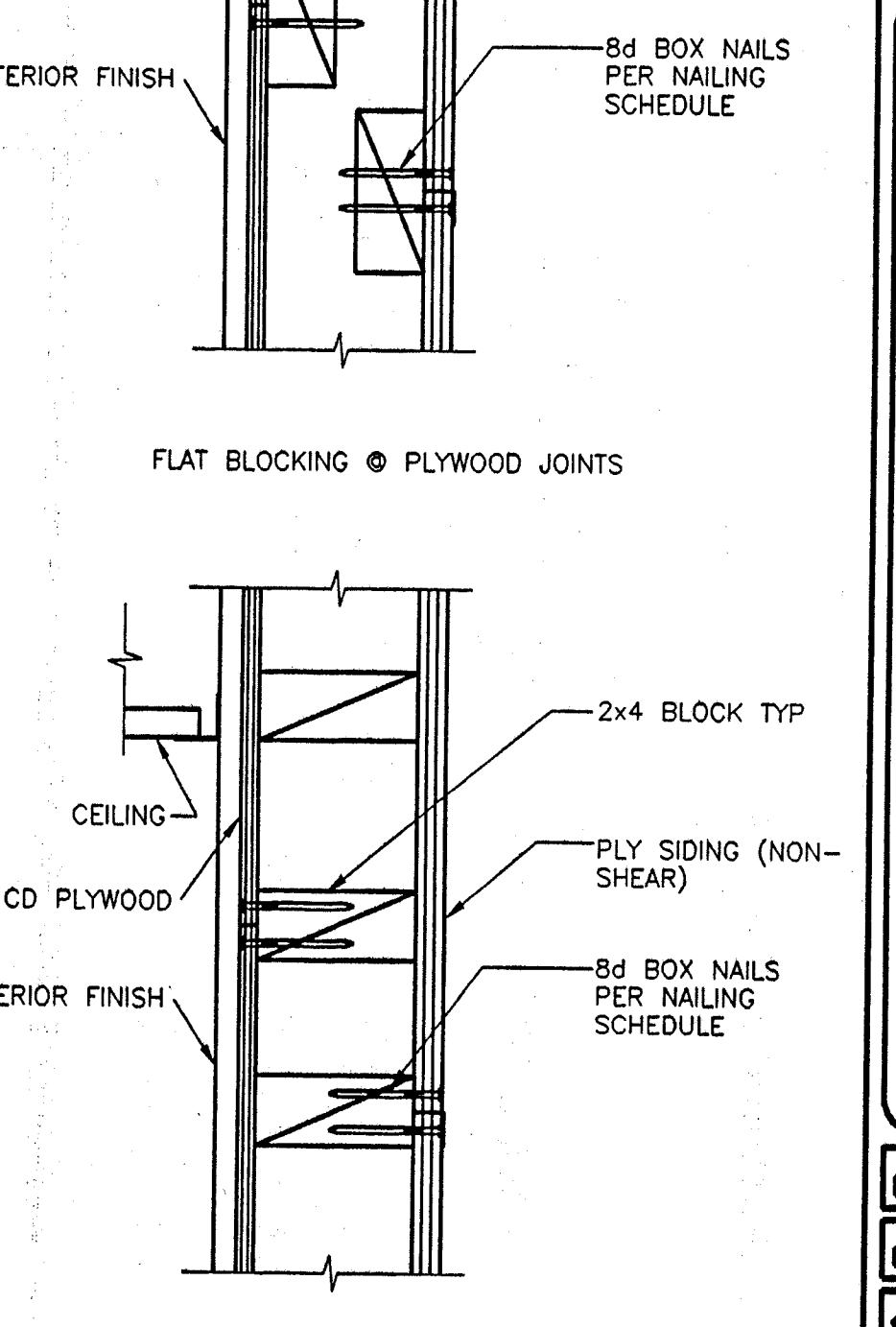
8 WELDS @ HOLD DOWN
5 3"=1'-0"



SECTION C TYPE 303 SIDING JOINT
NO SCALE (NON-SHEAR)



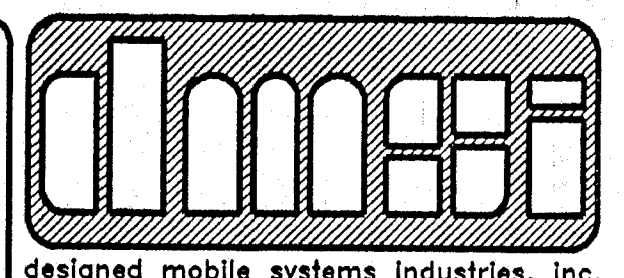
10 SECTION @ INTERIOR PLYWOOD JOINT
5 3"=1'-0"



9 SECTION @ BLOCKING
5 3"=1'-0"

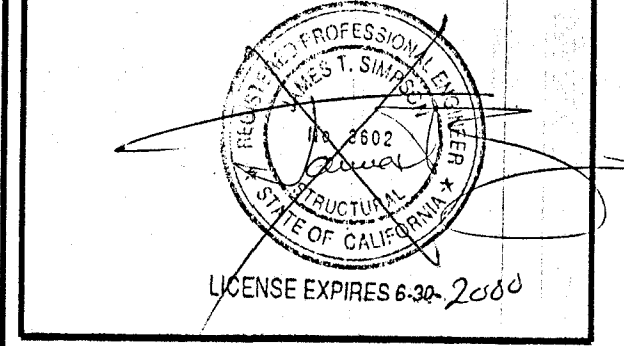
SHEET NOTES

- 1 COLUMN: 2"x2"x3/16" SQ. TUBE
- 2 STUD: 2x4 DF @ 16" O.C., SEE SHEET 8
- 3 5/8" EXT. PLYWOOD SIDING, SEE SPECS. SHEET 8
- 4 FLOOR PERIMETER FRAME: M 8" X, 6.5# I BEAM
- 14 PLYWOOD ROOF SHEATHING
- 15 ROOFING: 30 ga MIN STANDING RIB
- 19 16d BOX NAIL @ 12" O.C.
- 21 4x8 HEADER DF #2 OR (2) 2x8 W/PLY SPACER
- 22 3/8" CD PLYWOOD
- 33 DOUBLE RAFTER
- 43 STEEL STRAP: 2 1/2" X 1/8" W/(2) 5/8" BOLTS
- 44 BOUNDARY NAILING
- 45 STUDS: (2) 2x4 DF MIN.
- 53 TRIM: 1X4 ALT. RIPPED PLY TRIM
- 56 KING STUDS (3) 2x4 FULL HEIGHT
- 57 2x4 TRIMMER
- 66 (2) 2x4 SILL PLATES

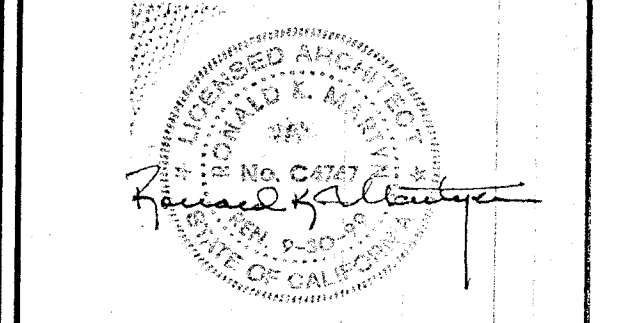


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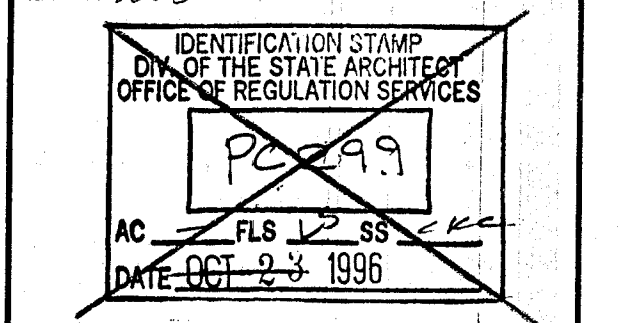
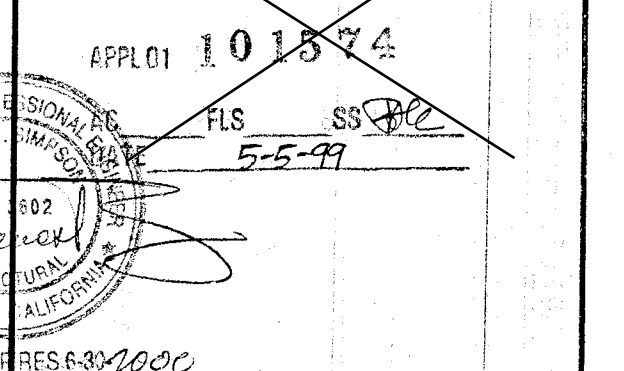
Approval: Engineering Consultant



Approvals:



IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT



Revisions:

No.	Description

75 MPH EXP 'C' / 20 PSF UNREDUCED / SW

24x40 RELOCATABLE BUILDING

Hayward Unified School Dist. DATE: 03/17/99 JOB NO. 20-818

Site: Various Sites

Sheet Title: SIDEWALL FRAMING & DETAILS

Drawn: J.A.

Date: 10/15/96

Scale: NOTED

Job:

Sheet 5 of 5

PART NO.	DESCRIPTION	MAT'L TO BE TESTED	YIELD POINT	MAT'L GAGE	SECTION	LENGTH	REMARKS
(TC)	TOP CHORD	YES	36KSI	3/8"	L 3" X 3"		TOTAL LENGTH
(BC)	BOT. CHORD	YES	36KSI	1/4"	L 3" X 3"		
(V)	VERTICAL	YES	36KSI	3/16"	L 1.5" X 1.5"		WELD 2.5" MIN.
(D1)	DIAG.	YES	36KSI	3/16"	L 1.5" X 1.5"		WELD 4.2" MIN.
(R2)	END VER.	YES	36KSI	1/4"	L 3" X 3"		
(R3)	BOLT PLATE	NO	36KSI	1/4"	FLAT X 2"		

Ima
 designed mobile systems industries, inc.
 P.O. BOX 367
 Patterson, California 95363
 (209) 892-6298

Approval: Engineering Consultant

Approval:

IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL 01 101574
 AC FLS 85-3
 DATE 5-5-99

IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 PC 2099
 AC FLS 85-3
 DATE OCT 23 1998

Revisions:

75 MPH EXP 'C' / 20 PSF UNREDUCED/SW

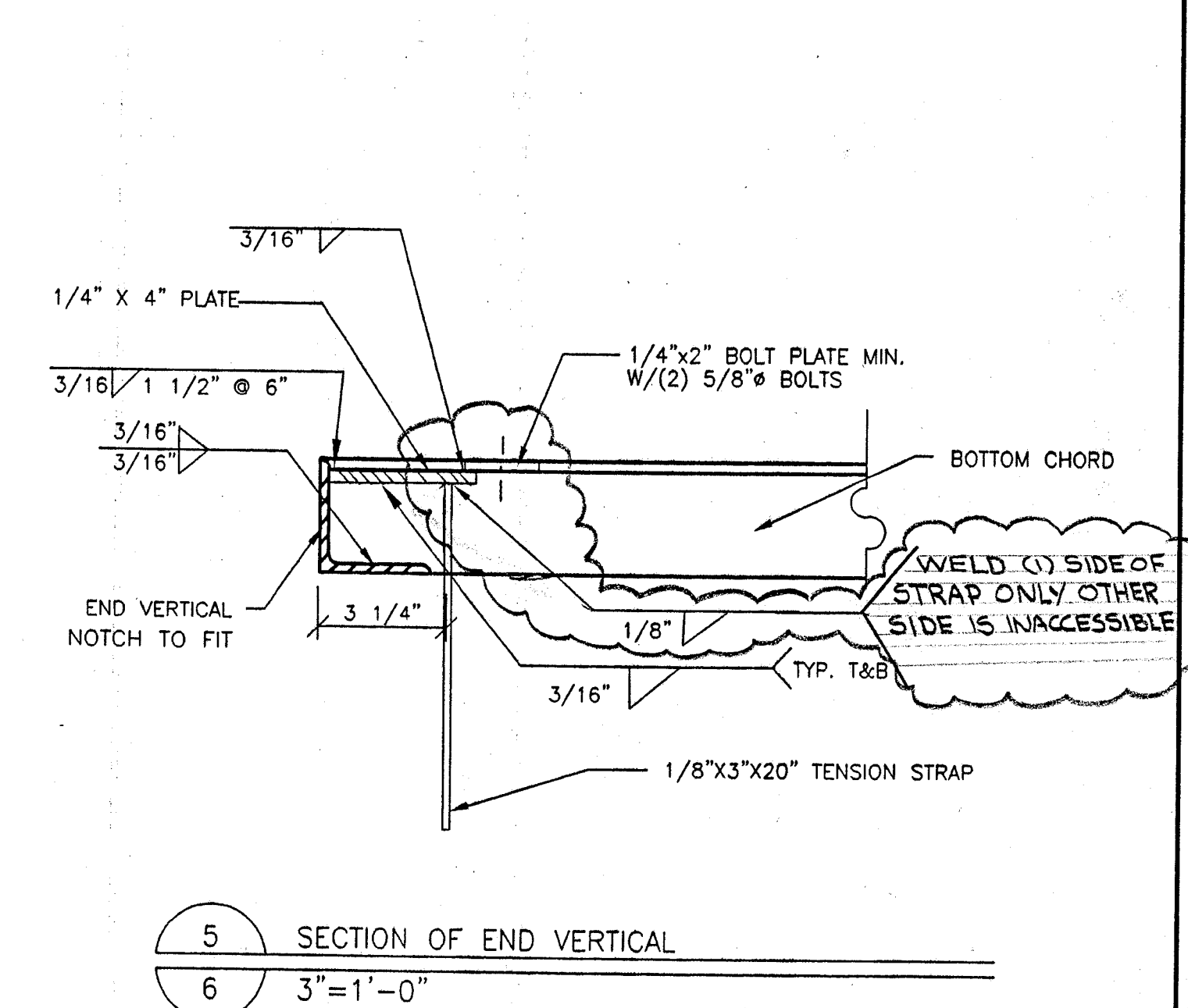
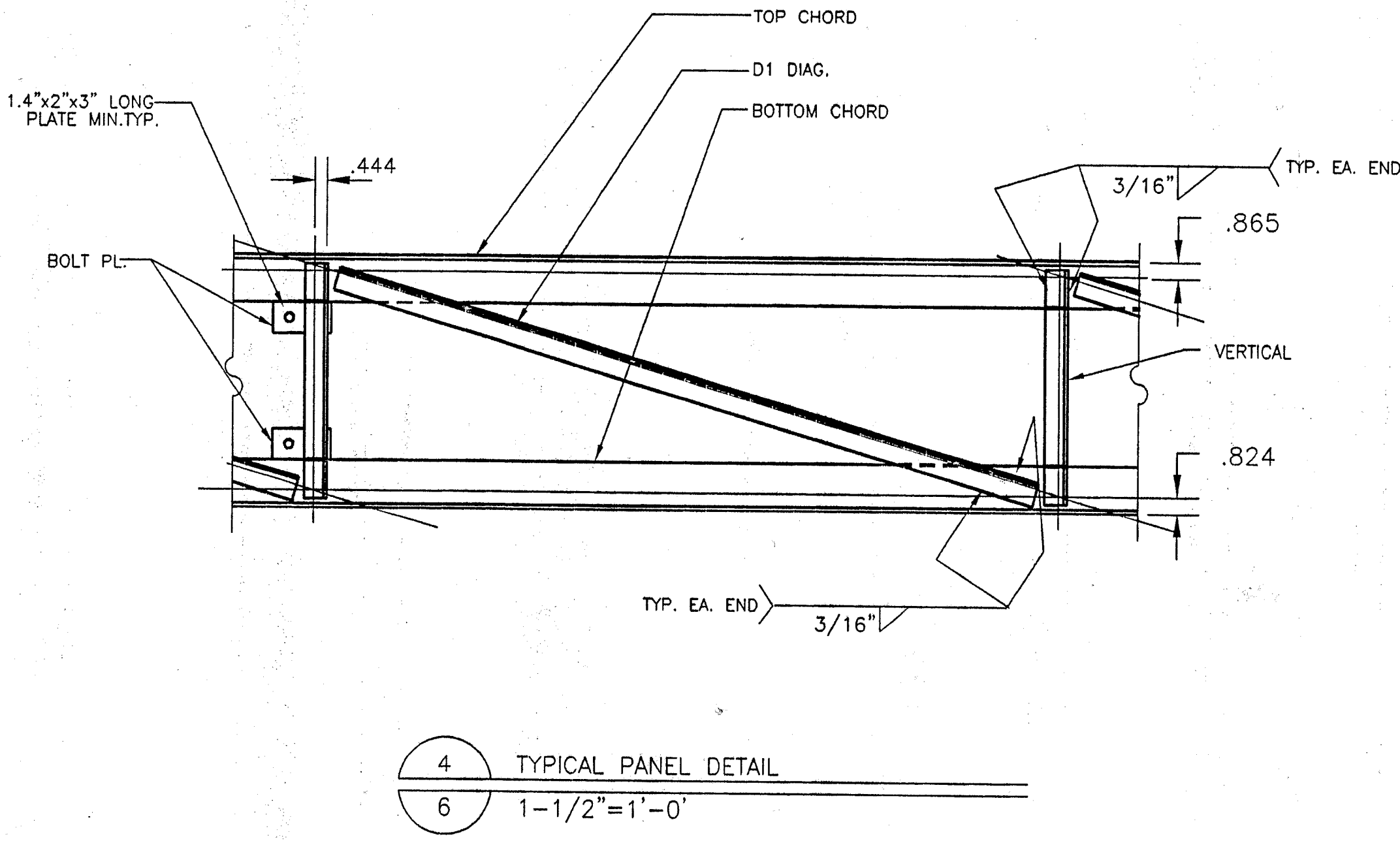
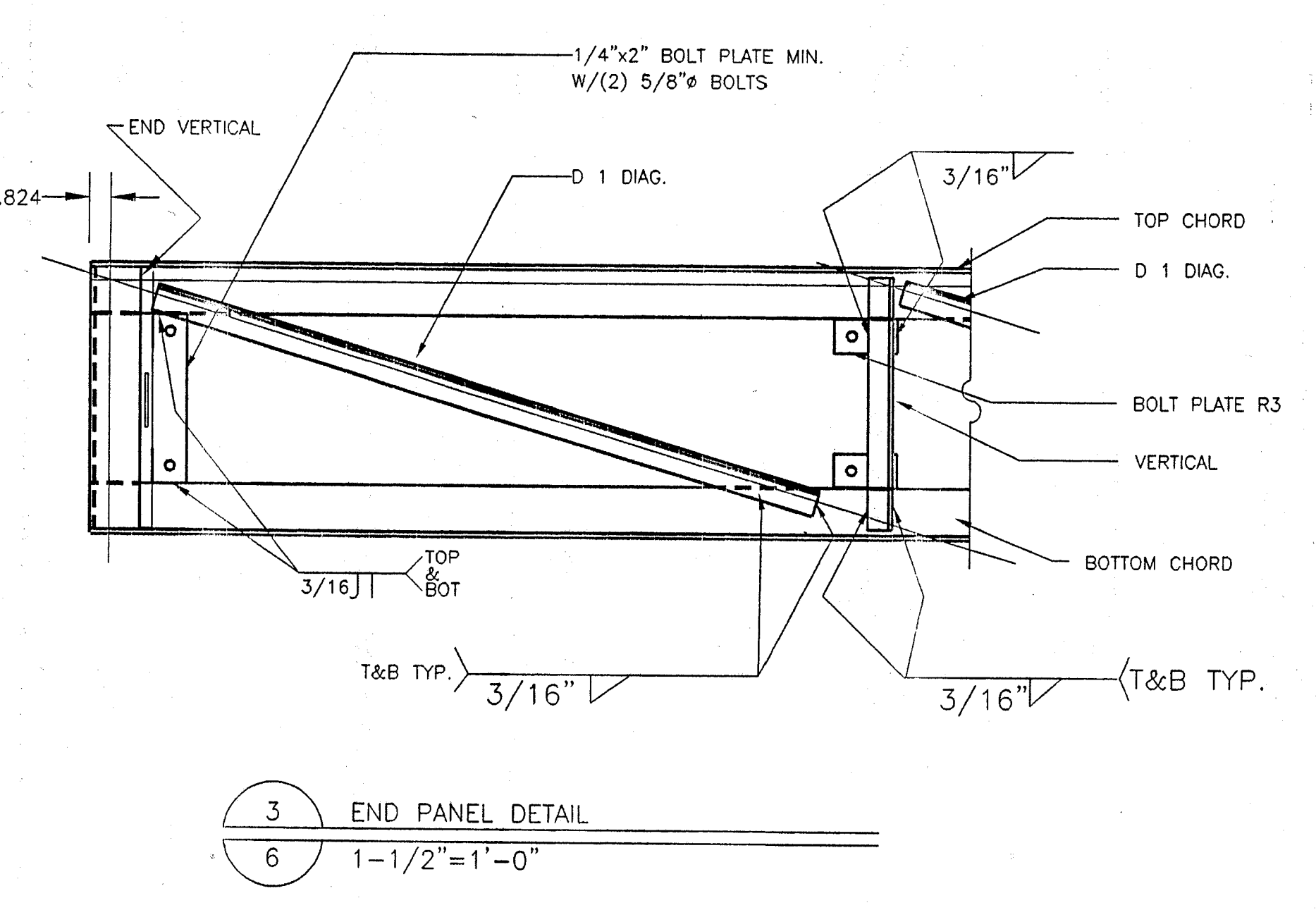
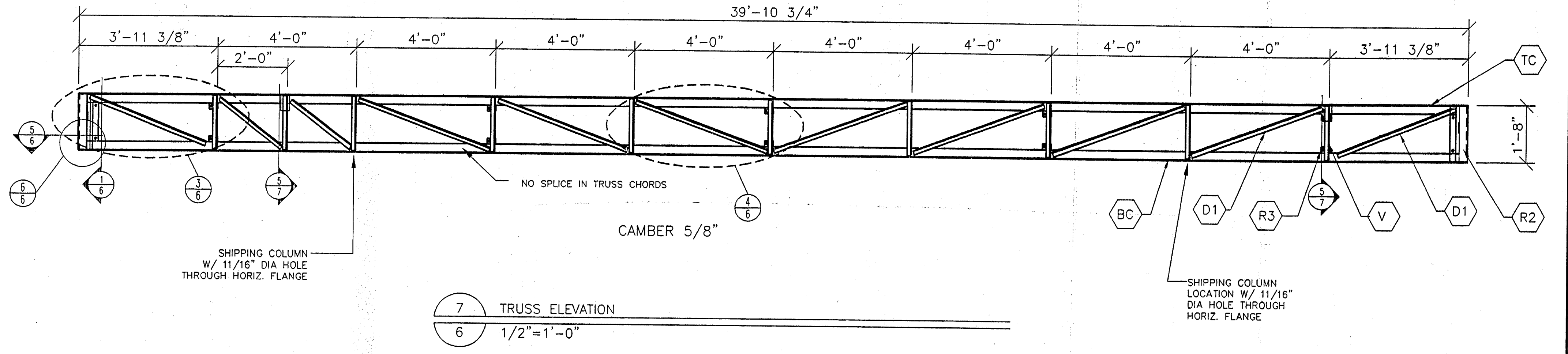
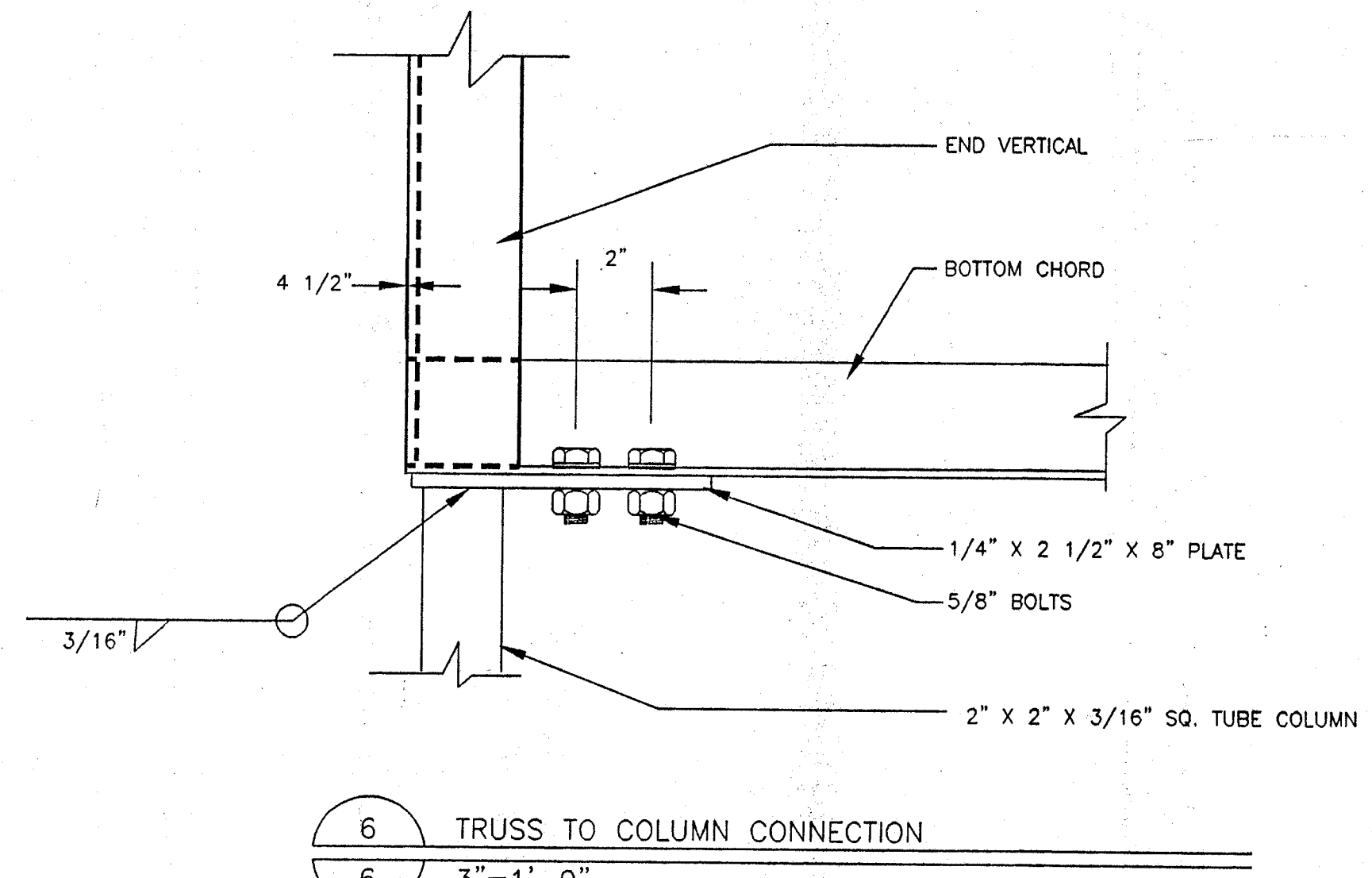
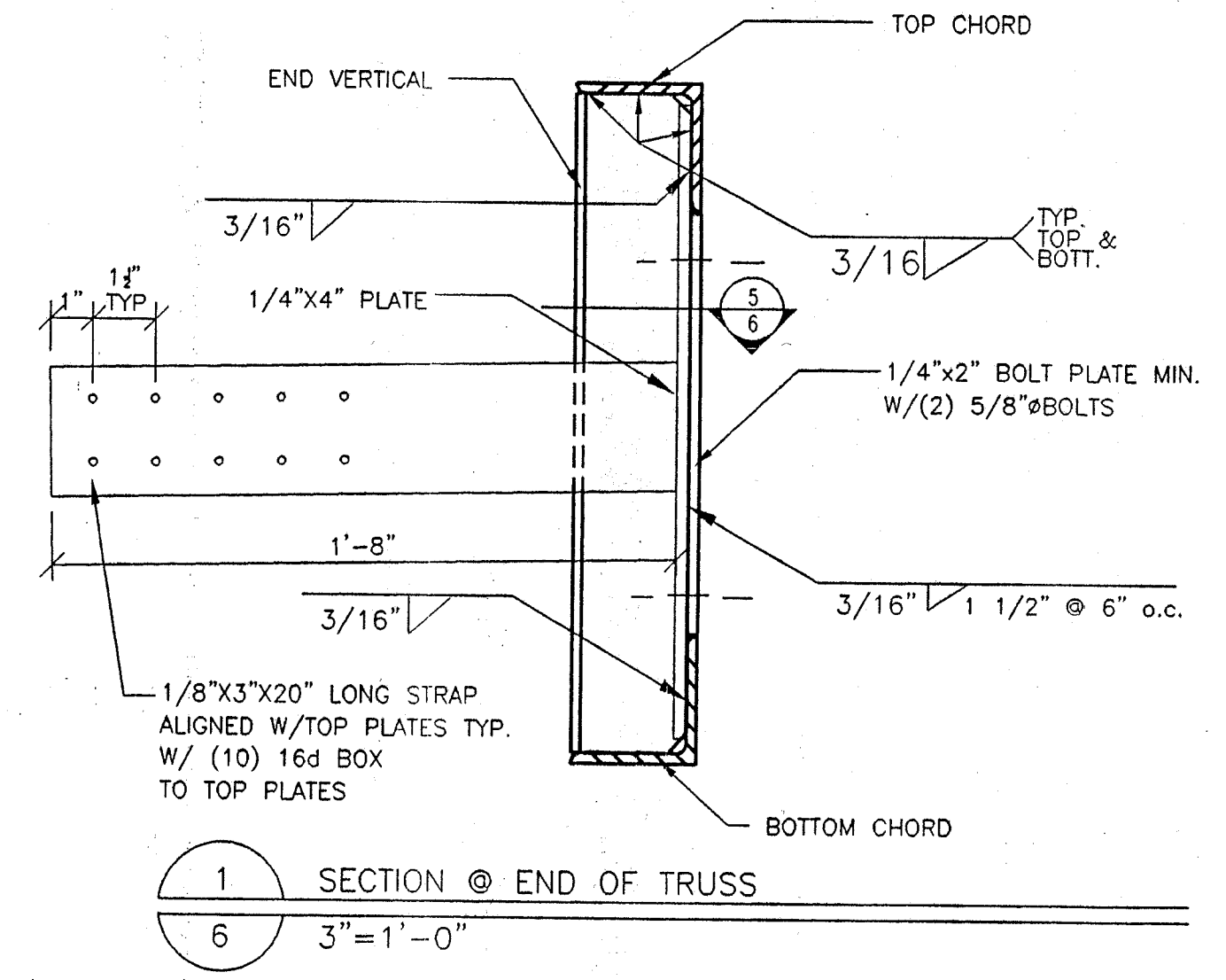
24x40 RELOCATABLE BUILDING

Hayward Unified School Dist.
 DATE: 03/17/99 JOB NO. 20-81B
 SITE: Various Sites

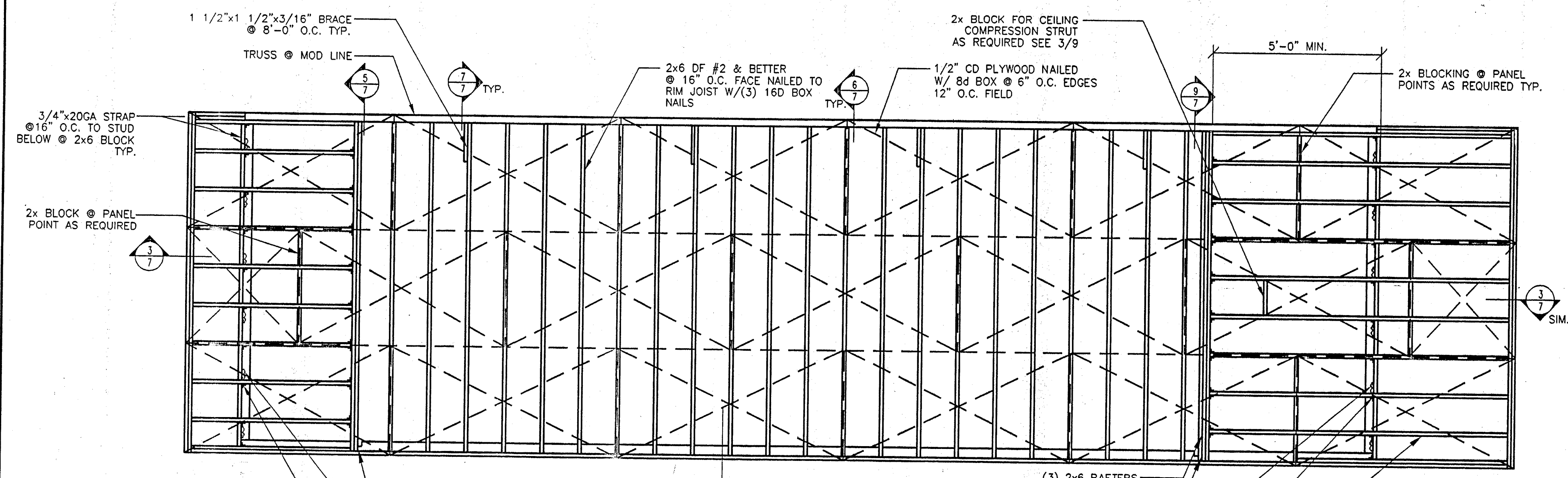
Sheet Title:
 TRUSS ELEVATION AND DETAILS

Drawn: J.A.
 Date: 10/15/96
 Scale: NOTED
 Job:

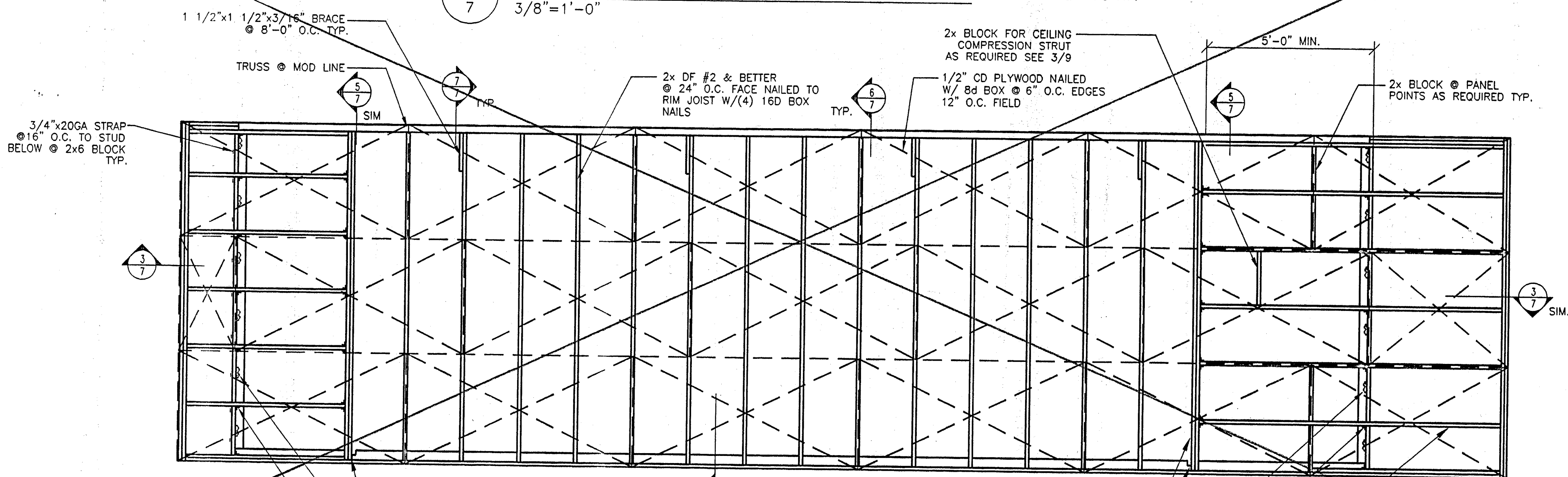
Sheet
 6
 Of Sheet



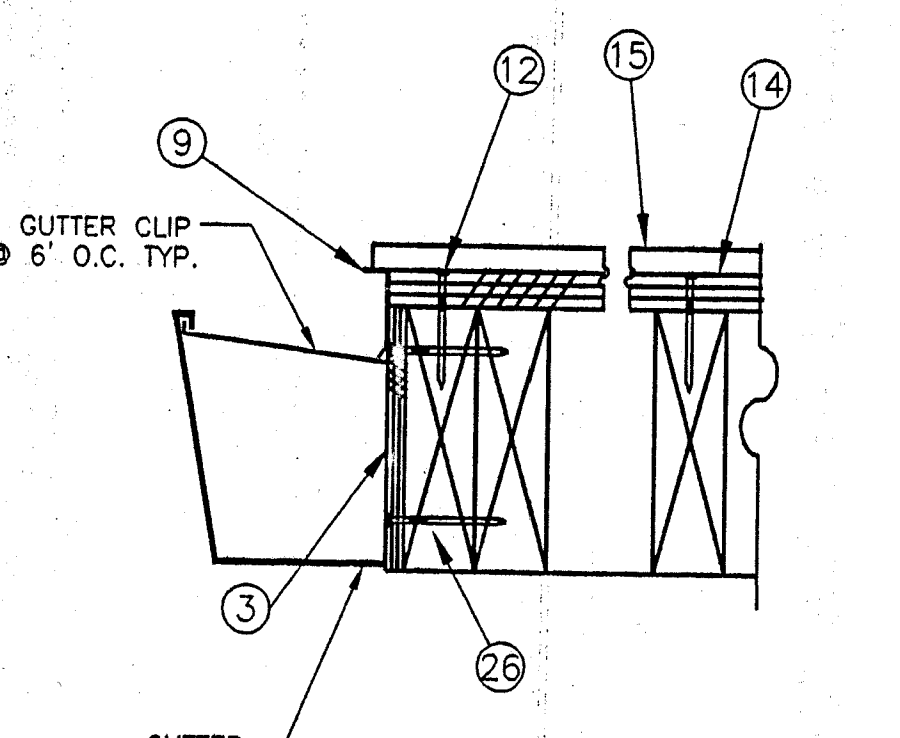
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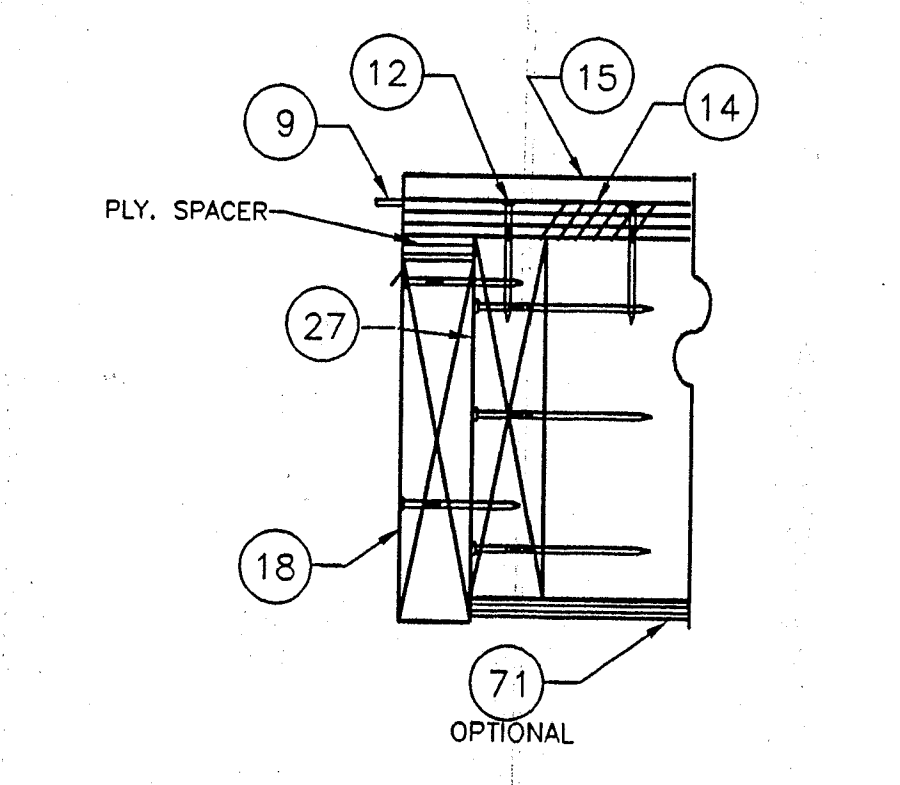
1 ROOF FRAMING PLAN (ONE MODULE) W/2x6 RAFTERS
7 3/8"=1'-0"



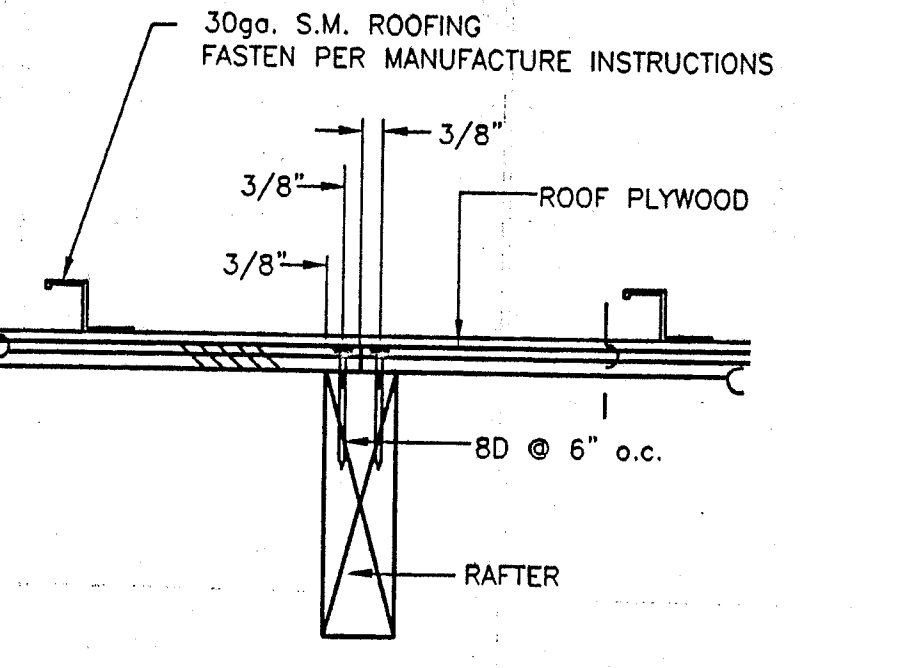
1A ALTERNATE ROOF FRAMING PLAN (ONE MODULE) W/2x8 RAFTERS
7 3/8"=1'-0"



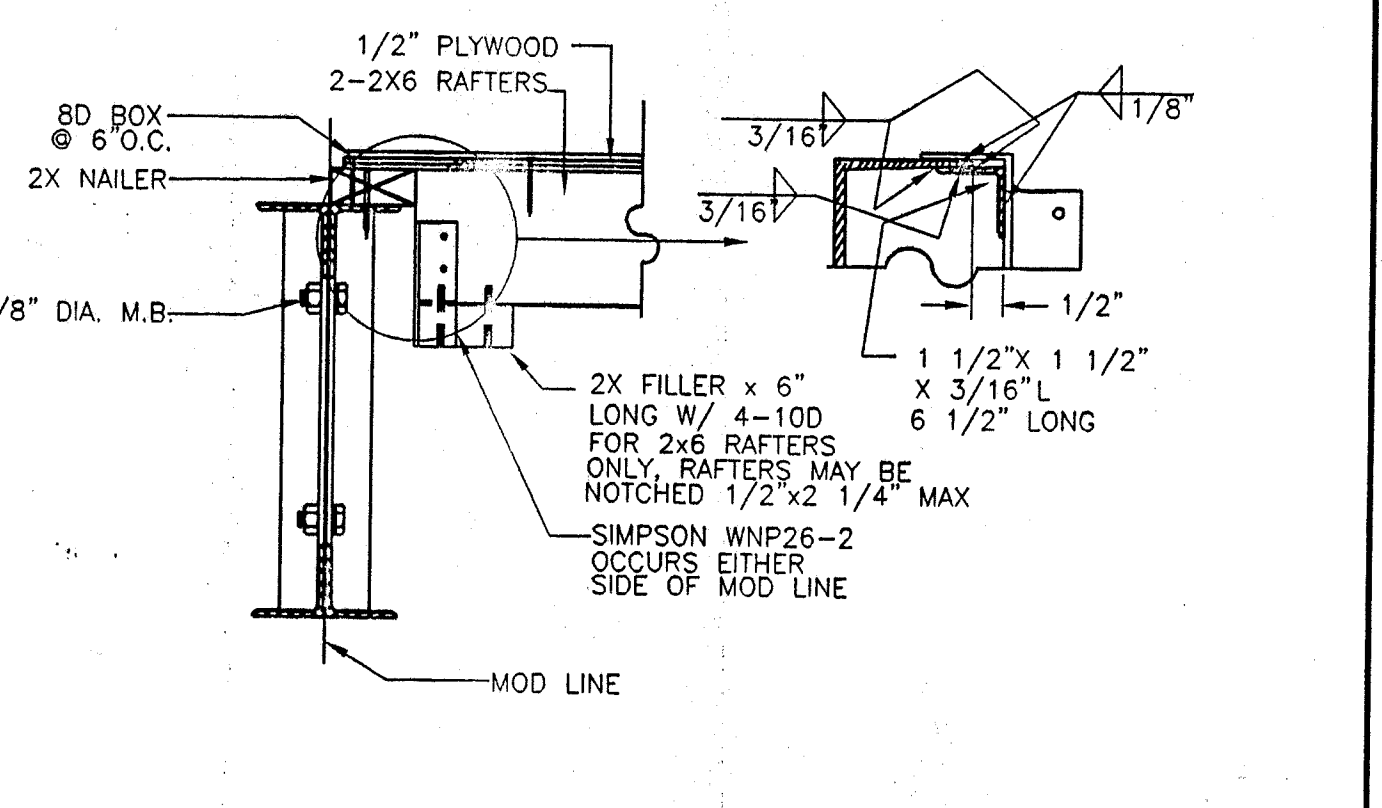
2 FASCIA @ SIDE OF OVERHANG
7 3"=1'-0"



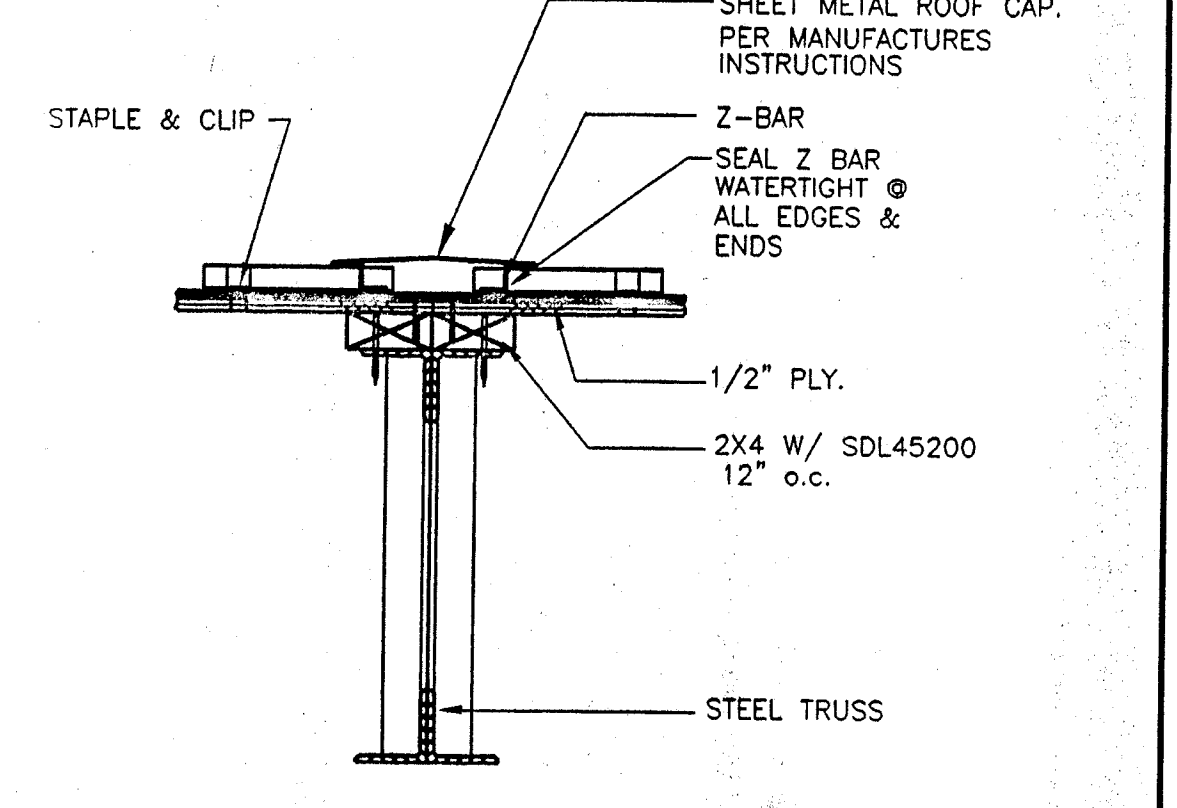
3 FASCIA
7 3"=1'-0"



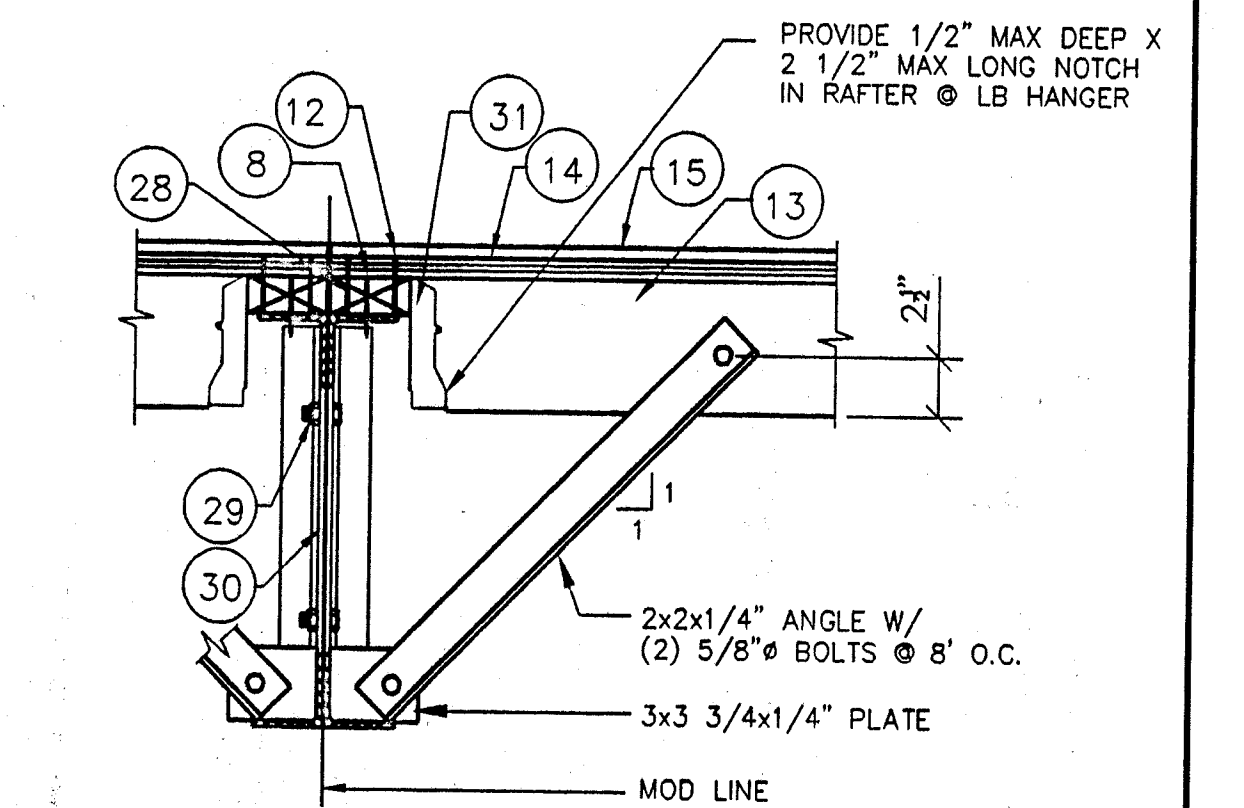
4 ROOF PLYWOOD PANEL JOINT
7 3"=1'-0"



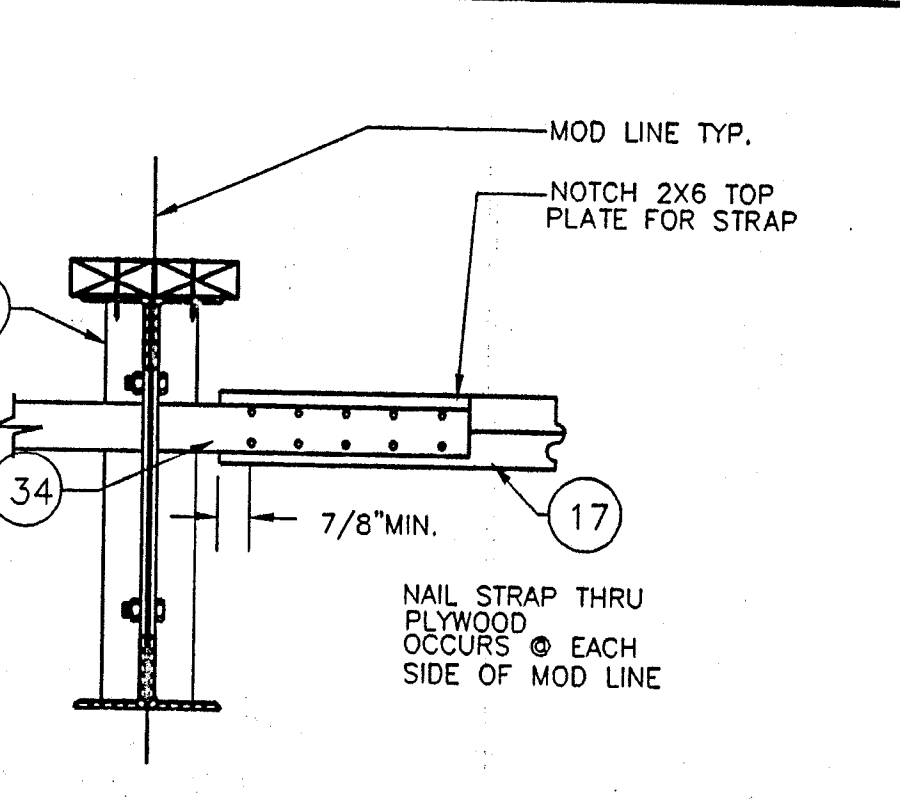
5 HEADER RAFTER CONNECTION
7 1-1/2"=1'-0"



6 ROOFING @ MODULE LINE
7 1-1/2"=1'-0"



7 RIDGE BEAM
7 1-1/2"=1'-0"



8 MODLINE TIE STRAP
7 1-1/2"=1'-0"

- SHEET NOTES**
- 3 5/8" EXT. PLYWOOD SIDING, SEE SPECS. SHEET 8
 - 8 PNEUTEK 34250L @ 12" o.c.
 - 9 PERFORMED METAL ROOF EDGE
 - 12 NAILS: 8D @ 6" o.c.
 - 13 RAFTER 2x8 ALT. 2x8 RAFTERS
 - 14 ROOF PLYWOOD
 - 15 ROOFING: 30 GA. MIN STANDING RIB
 - 17 DOUBLE TOP PLATE
 - 18 1x MIN FACIA
 - 26 RIM RAFTER: 2x6
 - 27 2x6 OR 2x8
 - 28 2x4 NAILER
 - 29 BOLTS: 5/8" DIA. M.B. SEE ROOF FRAMING PLAN FOR LOCATION
 - 30 TRUSS @ RIDGE SEE SHEET 6
 - 31 HANGER: SIMPSON LB26
 - 34 MOD TIE STRAP
 - 71 SOFFIT: 3/8" MDO PLYWOOD NO GROOVES (OPTIONAL)

2 FASCIA @ SIDE OF OVERHANG
7 3"=1'-0"

3 FASCIA
7 3"=1'-0"

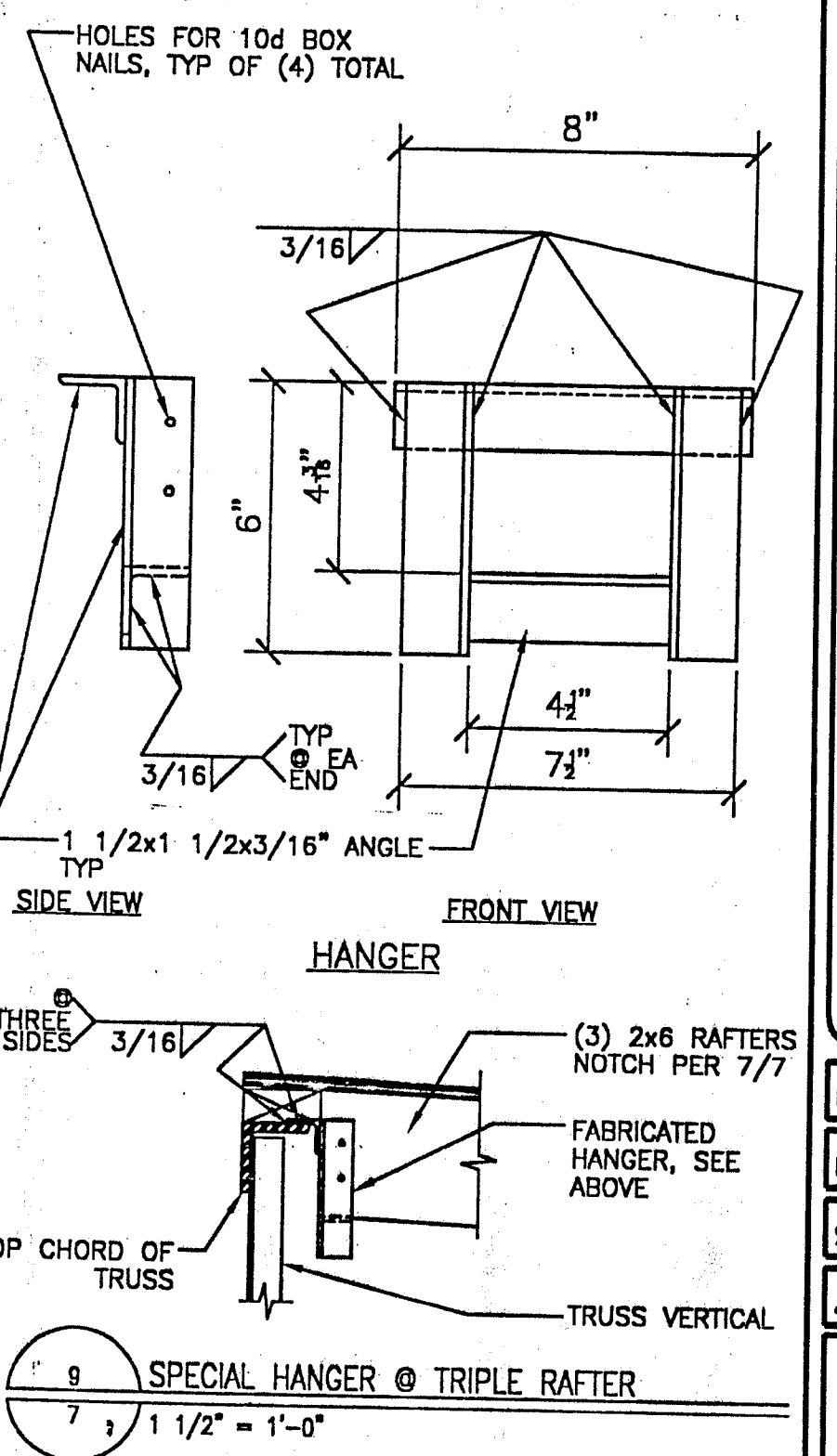
4 ROOF PLYWOOD PANEL JOINT
7 3"=1'-0"

5 HEADER RAFTER CONNECTION
7 1-1/2"=1'-0"

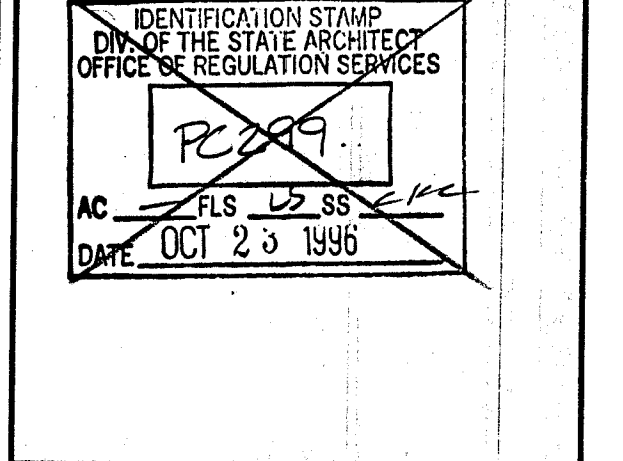
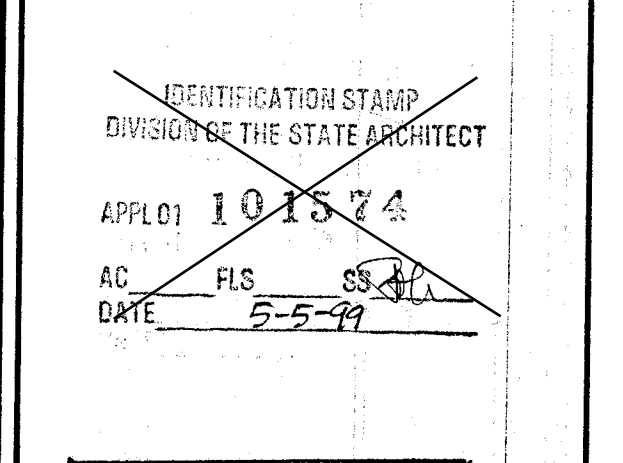
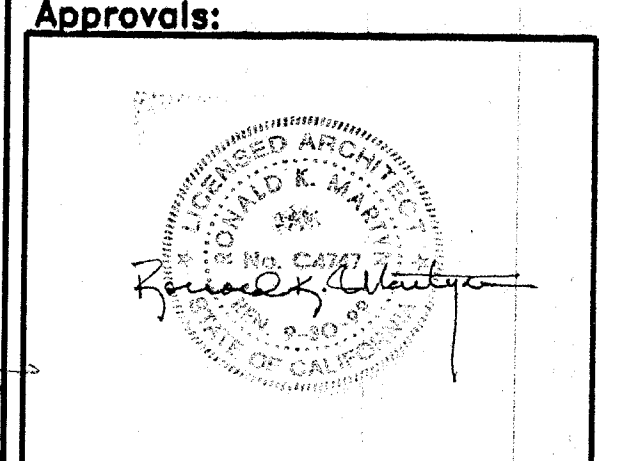
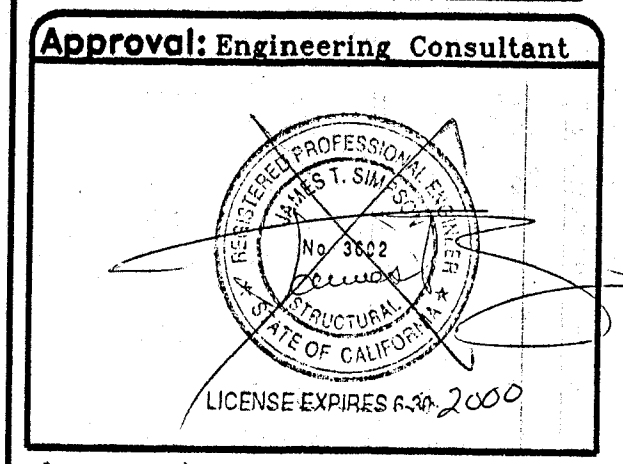
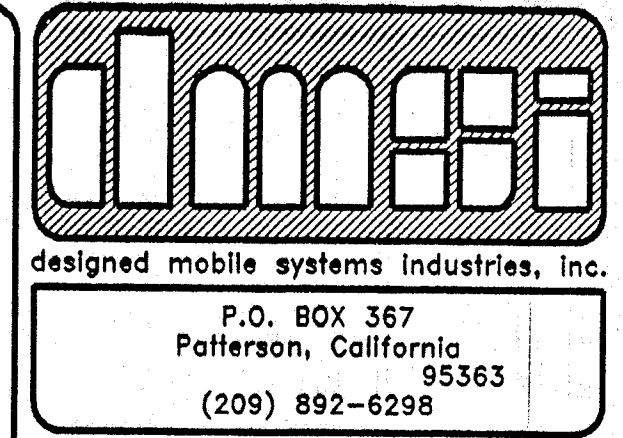
6 ROOFING @ MODULE LINE
7 1-1/2"=1'-0"

7 RIDGE BEAM
7 1-1/2"=1'-0"

8 MODLINE TIE STRAP
7 1-1/2"=1'-0"



9 SPECIAL HANGER @ TRIPLE RAFTER
7 1 1/2"=1'-0"



Revisions:

75 MPH EXP 'C' / 20 PSF UNREDUCED / SW
24x40 RELOCATABLE BUILDING
Hayward Unified School Dist. JOB NO. 20-818
DATE: 03/17/99
Sheet Title: ROOF FRAMING PLAN & DETAILS

Drawn: J.A.
Date: 8/29/96
Scale: NOTED
Job:
Sheet 7
Of Sheet

GENERAL REQUIREMENTS:

The relocatable building specified herein shall be a structure with a min. of 960 sq feet nominal transportable to the site with a maximum of two (2) modules. The modules shall require the use of special trailers. The modules shall not exceed the maximum dimensions for shipping on public roads as prescribed by California state law.

LIVE LOADS:

Floor load----- 50 lbs per square foot/1000# concentrated
50+20 lbs per square foot /1000# concentrated
2000# for office use
100 lbs per square foot
125 lbs per square foot /1000# concentrated
1500# concentrated for Library
Roof load-----20 lbs per square foot un-reduced
Wind load-----75 mph Exp. 'C'
Seismic-----zone 4 (seismic factor shall be .138 as per DSA Requirements)

The building shall be constructed and installed in strict accordance with the plans and specification as approved by a California Licensed Structural Engineer and/or Architect and Division of the State Architect.

In accordance W/ TITLE 24, third party inspection shall be made on all work performed in the manufacturing plant. The inspection entity shall be approved by the Division of the State Architect and employed by the District.

Provisions will be made for entry to classroom for the handicapped in accordance with Title 24, California code Of Regulations and Division of the State Architect.

MATERIAL SPECIFICATIONS:

The following material specifications are to insure a minimum acceptable quality level of materials used in the construction of the classroom. The term "Or Equal" shall apply to all material specified.

STRUCTURAL STEEL

Steel floor members to be given a rust inhibitive coating.

FOUNDATIONS:

Foundations shall be as shown on drawings and/or as required by site conditions.

WOOD FOUNDATION:

NOTE: ONLY THOSE WOOD FOUNDATION MEMBERS IN CONTACT WITH GRADE SHALL BE PRESSURE TREATED, UNLESS OTHERWISE NOTED IN THE BID SPECIFICATIONS.

- .01 Foundation Sills: Redwood or Doug Fir as req'd on drawing. Each piece of pressure treated wood shall bear the A.W.P.A. stamp.
.02 Stringers or Blocking: Douglas fir, Hem fir as indicated on drawings.
.05 Welding: As per American Welding Society requirements for shielded electric-arc process. Welding to be performed by operators qualified by tests acceptable to Division of the State Architect.
.06 Shop Paint: All steel to be coated with a minimum of one shop coat of red oxide primer.

ALTERNATE CONCRETE FOUNDATION

NOTE: For concrete foundation specifications see sheet CF1 & CF2.

CARPENTRY:

- .01 Lumber: Materials to be stamped by an approved grading agency in accordance with West Coast Lumber Inspection Bureau Rule # 16.
.02 Plywood: To be marked by approved inspection agency in accordance with Product Standard P.S. 1-83 for softwood plywood. Approved inspection agencies include, but are not limited to, A.P.A. or TEO or Pittsburg Testing.
.03 Studs: Doug Fir # 2 better grade, kiln dried, or Machine Rated 1650F-1.5E
.04 Plates: Doug Fir standard or better grade, or better, kiln dried or Machine Rated 1650F-1.5E.
.05 Headers: Doug Fir # 2 or better, or Machine Rated 1650F-1.5E
.06 NOT USED
.07 Floor Decking: 1 1/8" underlayment grade plywood, group 1 or 2 Sturdy Floor. All plies to be wood.
.08 Exterior Sheathing: 5/8" Type 303 Plywood Siding.
.09 Trim: Windows, Doors, Corners 1 x 4 roughsawn D.F., H.F. or spruce. Alt: Nom 1x ripped siding, manufactured trim (embossed hardboard), ripped plywood.
.10 Building Paper: Kraft, under siding.
.11 Overhangs w/ exposed plywood: 3/4" T&G plywood sheathing w/ a span rating of 40/20. Standard 5' long @ high end, 2' long @ low end.

Plywood Diaphragms. Tables 23A-I-J-1 and 23A-I-K-1 shall be used for the design of horizontal and vertical plywood diaphragms except that vertical diaphragms shall be blocked. Plywood shall be applied directly to wood members of at least 2 inches (51mm) in nominal dimension. Plywood for horizontal diaphragms shall be as set forth in Tables 23A-I-S-1 and 23A-I-S-2 for corresponding joint spacing and loads.

Maximum spans for plywood subfloor underlayment shall be as set forth in Table 23A-I-T-1. Plywood used for horizontal and vertical diaphragms shall conform to UBC Standard 23-3.

Use of machine nailing is subject to a satisfactory jobsite demonstration for each project and the approval of the project architect or structural engineer and the enforcement agency. The approval is subject to continued satisfactory performance. Machine nailing is not allowed for 5/16" (7.9mm) plywood. If the nail heads penetrate the outer ply more than would be normal for a hand-held hammer, or if minimum allowable edge distances are not maintained, the performance will be deemed unsatisfactory and machine nailing shall be discontinued.

Plywood diaphragms shall be constructed of plywood sheets, generally not less than 4 feet by 8 feet (1219 mm by 2438 mm) in size, attached to framing members spaced not to exceed the spans set forth in Table 23A-I-S-1. (see also Section 2326A-12), and arranged in the patterns set forth in Table 23A-I-J-1. In general, panel edges shall be on the framing members and butt along their center lines...

In horizontal plywood diaphragms, no panel less than 24 inches (610 mm) wide shall be used... 12" min for vertical diaphragm...

Taken from CBC, 2314A.3

EXTERIOR FINISH:

- .01 Primer: Wood Back primed, acrylic latex as recommended by paint manufacturer.
.02 Exterior Wood: Acrylic latex, Flat.
.03 Exterior Metal: Acrylic latex, Flat.
.04 Doors & Frame: Factory Pre-Finished.

INTERIOR FINISH:

- .01 Interior Wall Finish: Vinyl wrapped "fir-tex" tackboard panels. "Stress C" installed with glue and color head fasteners as required. Class III flame spread. Max. smoke density: 450.
.02 Interior Wall Backing: 3/8" CD plywood.
.03 Floor Finish: Direct glue down carpet or 3/32" to 1/8" VC tile. Note: If carpet is used, then it shall be securely attached; have a firm cushion, pad, or backing, no cushion or pad; and have a level loop, textured loop, level cut pile, or level cut/uncut pile texture. The maximum pile thickness shall be 1/2". Exposed edges of carpet shall be fastened to floor surfaces and have trim along the entire length of the exposed edge. Changes in level up to 1/4" may be vertical and without edge treatment. Changes in level between 1/4" and 1/2" shall be beveled with a slope no greater than 1:2. Changes in level greater than 1/2" shall be accomplished by means of a ramp that complies with current regulations.

- .04 Ceiling Grid: Minimum Heavy Duty classification per ASTM C635.
.05 Ceiling Tile: 2' x 4' lay in tile, fissured pattern 5/8" thick, class A, flame spread 0-25. Max. smoke density 450.
.06 Finished Ceiling Height: 8'-6"± from sub floor U.O.N.

INTERIOR RESTROOM FINISH:

- .01 Interior Wall Finish: Prefinished enamel hardboard or equal.
.02 Not used. Alternate: FRP Panels.
.03 Floor Finish: Sheet Vinyl Azrock or equal w/ 6" rubber base cove.
.04 Ceiling Grid: Minimum Heavy Duty classification per ASTM C635.
.05 Ceiling Tile: 2' x 4' lay in tile, fissured pattern 5/8" thick, class A, flame spread 0-25, max. smoke density 450.
.06 Finish Ceiling Height: 8'-0" nom. from sub floor U.O.N.

INSULATION:

NOTE: All insulation shall conform to section 707, CBC.

- .01 Wall: R-11 3 1/2" Fiberglass, kraft faced vapor barrier.
.02 Roof: R-19 Fiberglass, unfaced.
.03 Floors: R-11 3 1/2" Fiberglass, unfaced.

ROOFING:

- .01 Roofing: 30 gauge min. galvanized standing seam. Minimum class B fire rating.

SHEET METAL:

- .01 Sheet Metal: 30 gauge galvanized, unless otherwise noted on drawings.

HOLLOW METAL DOORS AND FRAMES:

- .01 Doors: 3'-0" x 6'-8" type L full Flush, 18 gauge, 1 3/4" thick. Alternate: 3'-0"x7'-0"x1 3/4"
.02 Frames: 16 gauge, cold rolled, 2" faces knock down type.

FINISH HARDWARE AS PER BID:

- .01 Butts: 1 1/2 pair-Hogor 4 1/2 x 4 1/2 NRP.
.02 Lockset: 1 Schlage Rhodes D70 pd x 626 "C" Keyway, or PDQ SX series 148 function (lever handle, classroom function)
.03 Closer: Norton 7500 series (8.5lbs max @ exterior) (5lbs max @ interior)
.04 Threshold: Pemko 272A. (1/2" MAX)
.05 Door Bottom: 1 Pemko 216AV
.06 Weatherstrip: Pemko 292PDV or integral weatherstripping
.07 Panic Hardware: Monarch 19 or Von Duprin 22 (as req'd per occupancy) w/ lever trim.

WINDOWS & GLAZING:

- .01 Window: Aluminum slider, anodized finish. See floor plan for sizes.
.02 Glazing: Tinted glass.

CEILING:

CEILING NOTES- The following notes will be acceptable in plans and specifications for ceiling systems whose total weight including air conditioning grilles and light fixtures does not exceed four (4) psf. Heavier systems and those supporting lateral loads from partitions will require special design details:

- .01 12 ga. (min.) hanger wires may be used for up to and including 4'-0" X 4'-0" grid spacing along main runners.
.02 Provide 12 ga. hanger wires at the end of all main and cross runners within 8" from the support or within 1/4 of length of the end tee, whichever is least, for the perimeter of the ceiling area. End connections for runners which are designed and detailed to resist the applied horizontal forces may be used in lieu of the 12 ga. hanger wires subject to OSA/SSS review and approval.
.03 Provide trapeze or other supplementary support members at obstructions to main hanger spacing. Provide additional hangers, struts or braces as required at all ceiling breaks, soffits or discontinuous areas. Hanger wires that are more than 1 in 6 out of plumb are to have counter-sloping wires.
.04 Ceiling grid members may be attached to not more than 2 adjacent walls. Ceiling grid members should be at least 1/2 inch free of other walls. If walls run diagonally to ceiling grid systems runners, one end of main and cross runners should be free and a minimum of 1/2 inch clear of wall.

- .05 At the perimeter of the ceiling area where main or cross runners are not connected to the adjacent wall, provide interconnection between the runners at the free end to prevent lateral spreading. A metal strut or a 16 ga. wire with a positive mechanical connection to the runner may be used. Where the perpendicular distance from the wall to the first parallel runner is 12" or less, this interlock is not required.
.06 Provide sets of four 12 ga. splayed bracing wires oriented 90 degrees from each other at the following spacing:
A-For school buildings, place sets of bracing wires at a spacing not more than 12 feet on center.
B-Provide bracing wires at locations not more than 1/2 the spacings given in (A) above from each perimeter wall and at edge of vertical ceiling offsets for both school and hospital buildings.
The slope of these wires should not exceed 45 degrees from the plane of the ceiling and should be taut without causing the ceiling to lift. Splices in bracing wires are not to be permitted without special OSA/SSS approval.

- .07 Fasten hanger wires with not less than 3 tight turns. Fasten bracing wires with 4 tight turns. Hanger or bracing wire anchors to the structure should be installed in such a manner that the direction of the wire aligns as close as possible with the direction of the forces acting on the wire. NOTE: Wire turns made by machine where both strands have been deformed or bent in wrapping can waive the 1 1/2" requirement, but the number of turns should be maintained, and be as tight as possible.

- .08 Separate all ceiling hanging and bracing wires at least 6 inches from all unbraced ducts, pipes, conduit, etc. It is acceptable to attach lightweight items, such as single electrical conduit not exceeding 3/4" nominal diameter, to hanger wires using connectors acceptable to OSA/SSS
.09 Not applicable

- .10 Attach all light fixtures to the ceiling grid runners to resist a horizontal force equal to the weight of the fixtures.
.11 Flush or recessed light fixtures and air terminals or services weighing less than 56 pounds may be supported directly on the runners of a heavy duty grid systems but, in addition, they must have a minimum of two 12 ga. slack safety wires each attached to the fixture at diagonal corners and anchored to the structure above. All 4 ft. x 4 ft. light fixtures must have slack safety wires at each corner.

- .12 All flush or recessed light fixtures and air terminals or services weighing 56 pounds or more must be independently supported by not less than 4 taut 12 ga. wires each attached to the fixture and to the structure above regardless of the type of ceiling grid system used.
The 4 taut 12 ga. wires including their attachment to the structure above must be capable of supporting 4 times the weight of the unit.

- .13 Support surface mounted light fixture by at least two positive devices which surrounded the ceiling runner and which are each supported from the structure above by a 12ga. wire. Spring clips or clamps that connected only to the runner are not acceptable.
Provide additional supports when light fixtures are 8 feet or longer.
.14 Support pendant mounted light fixtures directly from the structure above with hanger wires or cables passing through each pendant hanger and capable of supporting 4 times the weight of the fixture. (see also note 10, paragraph (b)). Special details are necessary for this condition at the ceiling grid.

MECHANICAL:

- .01 HVAC Unit: (1) 3 1/2 ton wall mounted unit w/ heat strip standard. (Alternate) 2 to 5 ton wall mounted units as req'd for site conditions w/ heat strip as req'd. ACCEPTABLE MANUFACTURERS: 1.Bard 2.Interterm
.04 Alternate HVAC Unit: (2) 3-ton roof-mounted unit w/ heat strip standard. (Alternate) 2 to 5-ton roof-mounted units as req'd for site conditions w/ heat strip as req'd. (Alternate) BARD WAG wall mounted gas/electric unit sized for location ACCEPTABLE MANUFACTURERS: 1.Day & Night 2.Bard

- .03 Distribution System: Flexible Ducting. Shall be class O / class I per section 4-1004 T-24 CCR.

Factory-made Air ducts. Factory-made air ducts shall be approved for the use intended or shall conform to the requirements of C.M.C. Standard No. 10-1. Each portion of a factory-made air duct system shall be identified by the manufacturer with a label or other suitable identification indicating compliance with C.M.C. Standard No. 10-1 and its class designation. These ducts shall be listed and shall be installed in accordance with the terms of their listing. 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. Insulation applied to the exterior surface of the ducts located in buildings shall have a flame spread of not more than 25 and a smoke density of not more than 50 when tested as a composite installation including insulation, facing materials, tapes and adhesives as normally applied.

- Supply Air Registers: Shoemaker 104 T-bar w/ parallel blade damper or equal.
.04 Return Air Registers: Per manufacturers recommendations
.05 Thermostat: White Rodgers IF92 Electronic Programmable thermostat.

ELECTRICAL:

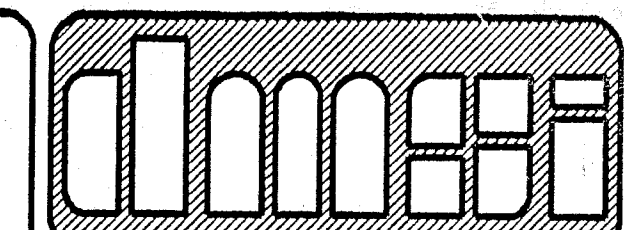
- .01 Code: Work to comply with California Electrical Code.
.02 Conduit: All work to be done in conduit (set screw connectors allowed). Alternate: MC Cable
.03 Conductors: Copper for sizes #12 to #6. Type THHN
.04 Receptacles: Leviton specification grade or equal.
.05 Clock Receptacles: Leviton 688-1 15 amp specification grade.
.06 Switches: Leviton specification grade or equal.
.07 Lighting Fixtures: Shall comply w/ Section 2-5209 T-24 CCR.
A Interior: Lithonia recessed light with 4 cool white bulbs, energy savings ballast or equal
B Exterior: Lithonia TWL-13 or equal.
.08 Distribution Panel: Ext. wall mounted with hinged lockable doors and index card.
.09 Lighting and Switching: Shall comply with Energy Commission Commission requirements for new non-residential buildings.

SPECIALTIES:

- .01 Fire Alarm Systems: Shall meet the requirements and approval of the OSA.
.02 Pull Station: J-Box and Conduit ONLY provided (DEVICES AND WIRING BY OTHERS).
.03 Alarm Horn: J-Box and Conduit ONLY provided (DEVICES AND WIRING BY OTHERS).
.04 Fire Extinguisher: 2A10BC U.L. Rated.
.05 Chalkboards: 4' x 16" (2 - 4' x 8' Joined) with chalk tray & map rail
.06 ALTERNATE USE (2) 8'x4' MARKERBOARDS JOINED

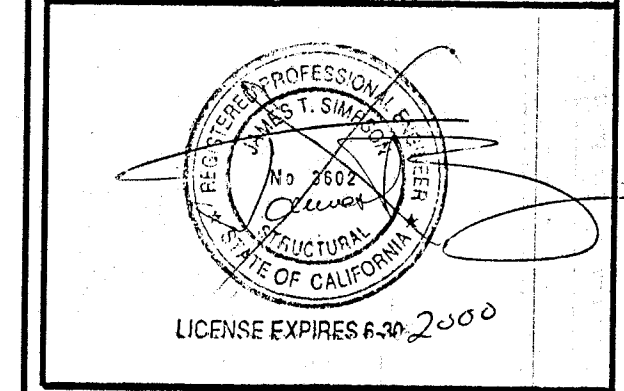
- .06 Toilet Accessories: Manufacturer's Standard
1. Mirrors: Bobrick B-165, 18x36 or ASI 640 series
2. TP Holder Bobrick B-685 or ASI 7305
3. Soap Dispenser Bobrick B-2111 or ASI 6343
4. PT Dispenser Bobrick B-263 ASI 0245-SS
4. Grab Bars Bobrick B-5806, 42" & 36" or TSM Grab Bar Series
.07 Toilet Partitions: Manufacturer's Standard. Handles, pulls, latches, locks, and other operating devices on accessible doors shall have a shape that is easy to grasp with one hand and does not require tight grasping, tight pinching, or twisting of the wrist to operate. Lever-operated mechanisms, push-type mechanisms, and U-shaped handles are acceptable designs. Hardware required for accessible door passage shall be mounted no higher than 48" above finished floor. If coat peg is installed, it shall meet the requirements of Title 24.

- PLUMBING: Manufacturer's Standard or equal
.01 Water Closet: Universal Fundis 4078 EB (17-19" High to top of seat) Universal Rundle 4278 (14" for Children)
.02 Lavatory: Kohler 2032 w/ hot water (insulate p-trap & HW supply) Kohler 2031 cold water only
Alternate: American Standard
.03 Low Sanitary: Price Pfister C42-LOWF (hot water) Chicago 2335-12 (cold water only)
.04 Stainless Steel Classroom Sink: by Just, Hots or equal See 10/1 for faucet specification.
.05 Water Heater: AO Smith ELSF 6 gallon
On-Demand Water Heater: EEMAX SP3012 120V
.06 Provide flexible supplies & loose key angle stops

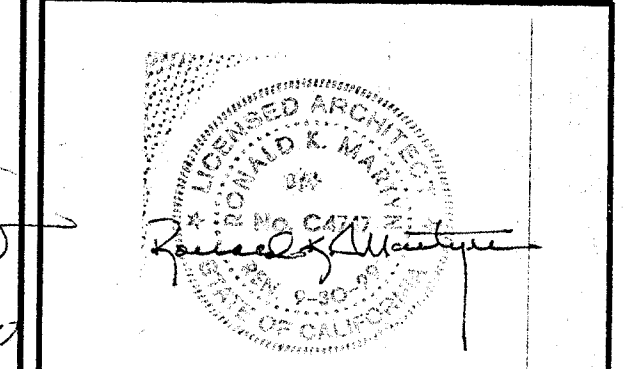


designed mobile systems industries, inc.
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Patterson, California 95363
(209) 892-6298

Approval: Engineering Consultant



Approvals:



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APPROVAL 101874
AC: FLS SS
DATE: 5-5-99

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DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
AC: FLS SS
DATE: OCT 23 1996

Revisions:

- 1. Addenda, change orders per Section 4-338.
2. Inspector approved by DSA. Inspector and continuous inspection of work per Section 4-333(b) & 4-342.
3. Tests and testing laboratory per Section 4-335. (Owner shall pay the testing laboratory.)
4. Special inspections per Section 4-333(c).
5. Contractor shall submit verified reports per Section 4-336 & 4-343(c).
6. Administration of construction per Part I, Title 24, C.C.R. -Duties of architect, structural engineer or professional engineer per Section 4-333(a) & 4-341. -Duties of contractor per Section 4-343. -Verified reports per Section 4-336.
7. DSA shall be notified on start of construction per Section 4-331.
8. Supervision by the Division of the State Architect per Section 4-334.

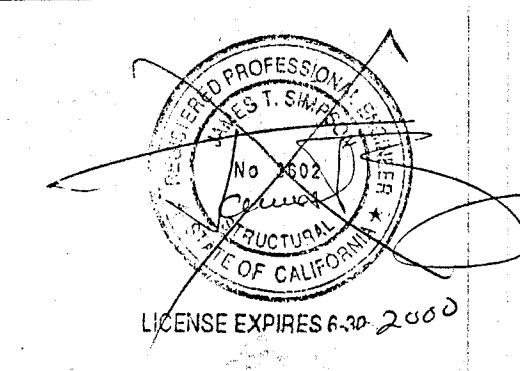
75 MPH EXP 'C' /20 PSF UNREDUCED/SW
24x40 RELOCATABLE BUILDING
Hayward Unified School Dist.
SITE: Various Sites DATE: 03/17/99 JOB NO: 20-818
Sheet Title: SPECIFICATIONS

Drawn: J.A.
Date: 10/15/96
Scale:
Job:
Sheet 8 of 8

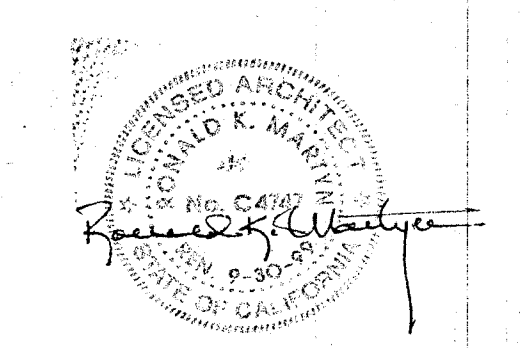


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 AC PLS 15-55
 DATE OCT 23 1996

Revisions:

75 MPH EXP 'C' / 20 PSF UNREDUCED/SW

24x40 RELOCATABLE BUILDING

Hayward Unified School Dist
 DATE: 03/17/99 JOB NO: 20-818
 SITE: Various Sites

Sheet Title: MECHANICAL & ELECTRICAL PLAN & DETAILS

Drawn: J.A.
 Date: 10/15/96

Scale: NOTED

Job:

Sheet 9
 Of Sheet

PANEL SCHEDULE W/ HEAT PUMP HVAC											
PANEL TYPE: SURFACE MOUNT		240 VOLT		1 PHASE		3 WIRE		100 MAIN		125 FRAME	
WATT	USE	BKR NO	N	NO	BKR	USE	WATT				
3855	HVAC*	2P50	1	2	1P20	LIGHTS	1463				
3855	HVAC*	--	3	4	1P20	RECEPTS	240				
360	RECEPTS	1P20	5	6	1P20	RECEPTS	720				
180	RECEPTS	1P20	7	8	1P20	SPACE					
	SPACE		9	10		SPACE					
	SPACE		11	12		SPACE					

* PROVIDE 'LOCK OUT' DEVICE FOR THIS BREAKER

A-TOTAL WATTS 6398
 B-TOTAL WATTS 4395
 TOTAL WATTS 10793/240=4497 AMPS

PANEL SCHEDULE W/ GAS & ELEC. HVAC											
PANEL TYPE: SURFACE MOUNT		240 VOLT		1 PHASE		3 WIRE		100 MAIN		125 FRAME	
WATT	USE	BKR NO	N	NO	BKR	USE	WATT				
2455	HVAC*	2P40	1	2	1P20	LIGHTS	1463				
2455	HVAC*	--	3	4	1P20	RECEPTS	240				
360	RECEPTS	1P20	5	6	1P20	RECEPTS	720				
180	RECEPTS	1P20	7	8	1P20	SPACE					
	SPACE		9	10		SPACE					
	SPACE		11	12		SPACE					

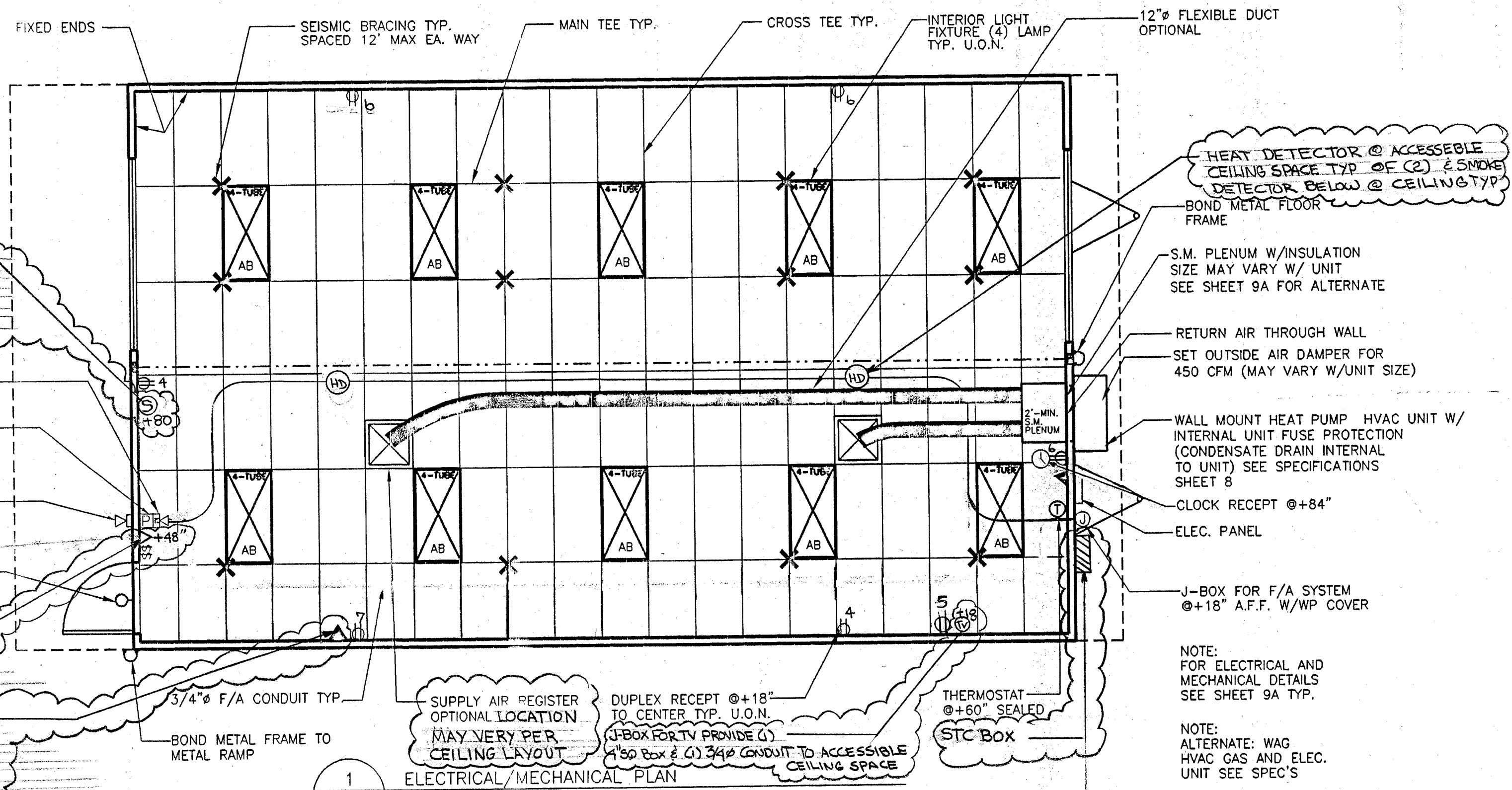
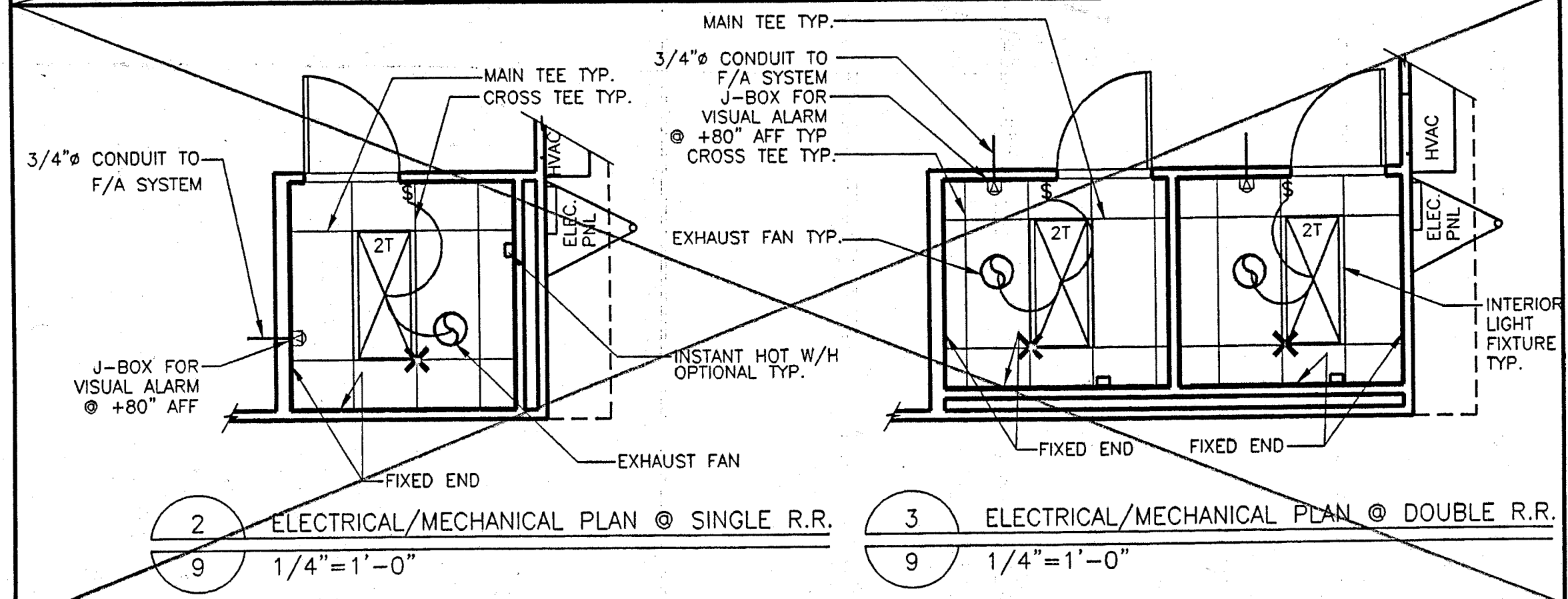
* PROVIDE 'LOCK OUT' DEVICE FOR THIS BREAKER

A-TOTAL WATTS 4998
 B-TOTAL WATTS 2995
 TOTAL WATTS 7993/240=33.30 AMPS

PANEL SCHEDULE W/ INSTANT HOT W/H											
PANEL TYPE: SURFACE MOUNT		240 VOLT		1 PHASE		3 WIRE		100 MAIN		125 FRAME	
WATT	USE	BKR NO	N	NO	BKR	USE	WATT				
2455	HVAC*	2P40	1	2	1P20	SPACE					
2455	HVAC*	--	3	4	1P20	RECEPTS	1260				
	SPACE		5	6	1P30	INSTANT W/H	3000				
	SPACE		7	8	1P20	LIGHTS/FANS	1663				
	SPACE		9	10		SPACE					
	SPACE		11	12		SPACE					

* PROVIDE 'LOCK OUT' DEVICE FOR THIS BREAKER

A-TOTAL WATTS 5455
 B-TOTAL WATTS 5378
 TOTAL WATTS 10833/240=45.13 AMPS

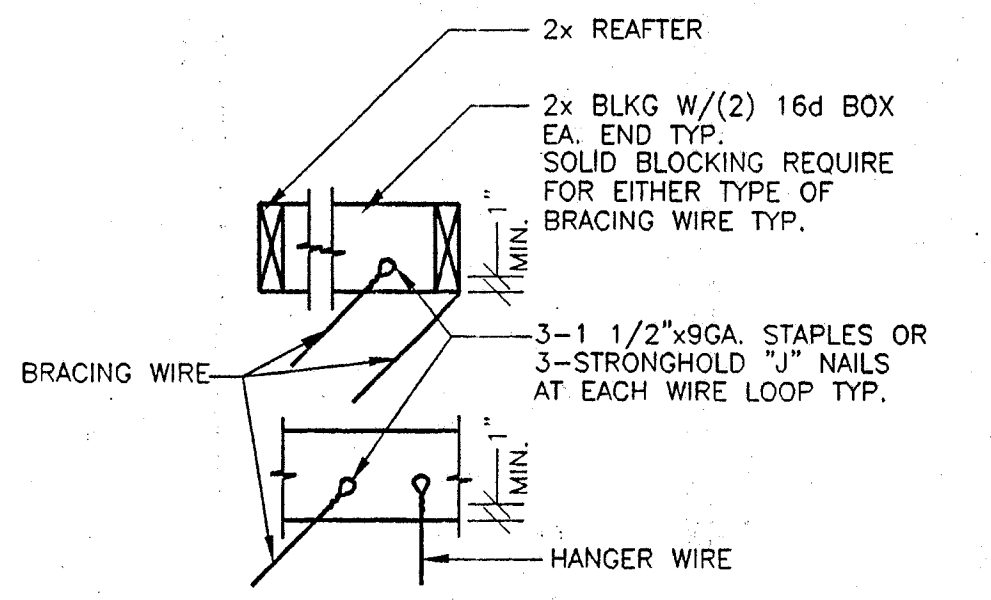


- ### MECHANICAL NOTES
- SEE ARCHITECTURAL DRAWINGS TO COORDINATE EXACT LOCATIONS OF AIR CONDITIONING EQUIPMENT AND AIR OUTLETS.
 - DUCTWORK IS OPTIONAL. SYSTEM MAY HAVE THROUGH WALL SUPPLY AIR GRILLE.
 - INSULATED FLEXIBLE DUCTS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND WITHOUT SHARP BENDS. NONMETALLIC DUCT SHALL CONFORM TO NFPA 90-A AND 90-B AND SMACNA CLASS I RATING.
 - ALL NEW HVAC EQUIPMENT AND COMPONENTS SHALL MEET THE REQUIREMENTS OF THE CURRENT BUILDING ENERGY STANDARDS FOR THE STATE OF CALIFORNIA.

- ### SHEET NOTES
- GROUNDING ROD, GROUNDING CLAMPS, AND GROUNDING ROD INSTALLATION ARE NOT PROVIDED BY DESIGNED MOBILE SYSTEMS, INC.
 - ALL RECEPTACLES INSTALLED @ 18" A.F.F. TO CENTER OF BOX U.O.N.
 - ALL WORK MAY BE IN CONDUIT, TYPE NM CABLE (ROMEX) OR WC CABLE.
 - ALL POWER CIRCUITS TO BE GROUNDED PER CEC (CALIF. ELECTRICAL CODE).
 - FIRE ALARM SYSTEM IS CONDUIT ONLY, 3/4"
 - ALL ELECTRICAL INSTALLATION FOR THE BUILDING AND THE SITE ELECTRICAL SERVICE SHALL BE IN ACCORDANCE WITH THE CEC, TITLE 8, TITLE 24 AND 19, AND LOCAL UTILITY REQUIREMENTS.
 - THE COMPLETE ELECTRICAL INSTALLATION INCLUDING RACEWAYS, FIXTURES, OUTLETS, MOTORS, EQUIPMENT ENCLOSURES, AND METAL BUILDINGS SHALL BE EFFECTIVELY AND PERMANENTLY GROUNDED IN ACCORDANCE WITH THE CEC, CALIFORNIA CODE OF REGULATIONS, TITLE 8.
 - ELECTRIC PANEL SUPPLIED IS RATED AT 10,000 AIC. THE ELECTRICAL SERVICE SUPPLIED TO THIS PANEL SHALL NOT EXCEED THE PANEL BOARD RATING.
 - DESIGNED MOBILE SYSTEMS, INC. HAS NO CONTROL OVER SITE ELECTRICAL CONDITIONS AND IT IS THE RESPONSIBILITY OF THE SITE ELECTRICAL CONTRACTOR AND/OR SCHOOL DISTRICT TO CONFORM TO ANY REQUIREMENTS LISTED ABOVE NOT IN DESIGNED MOBILE SYSTEMS' SCOPE OF WORK.

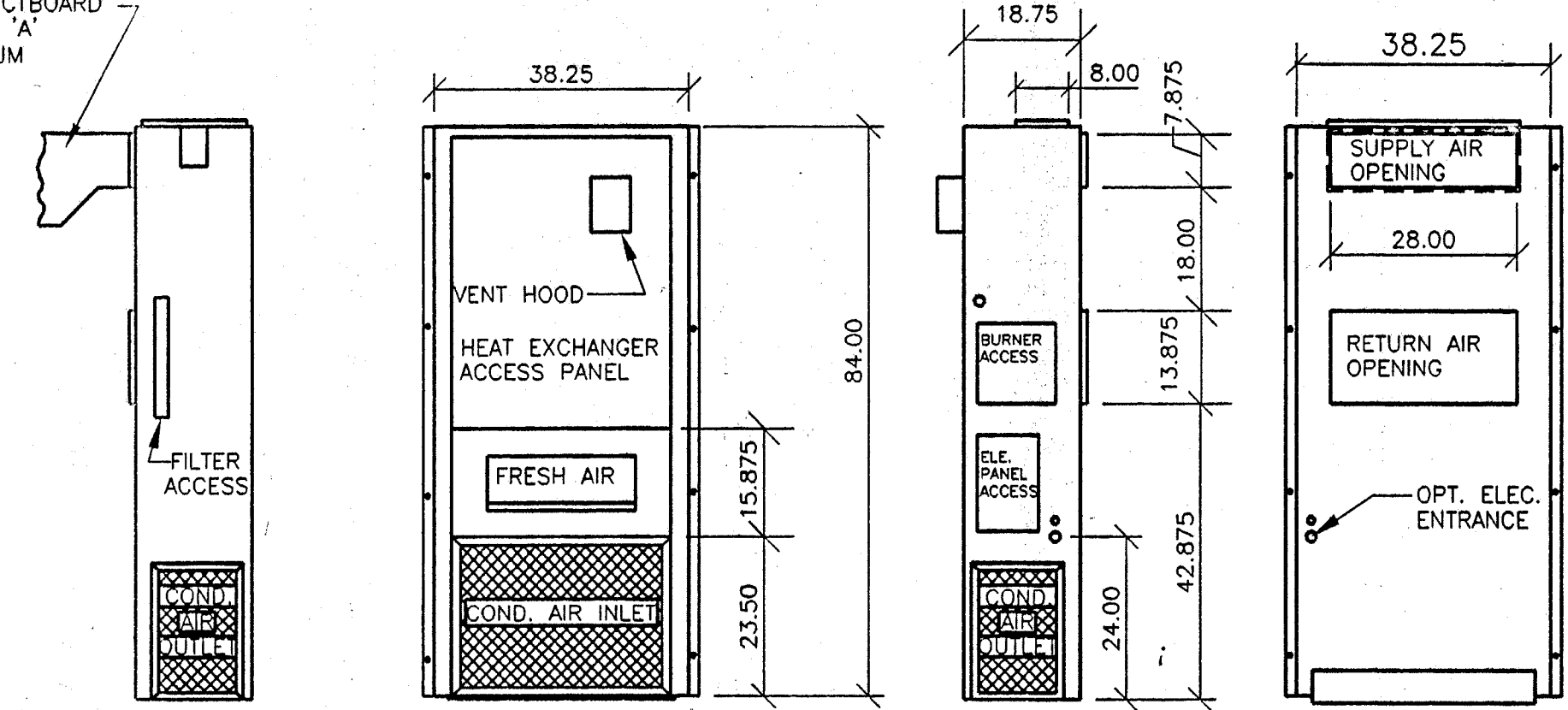
- ### ELECTRICAL SYMBOLS
- ⊕ 120V DUPLEX RECEPTACLE +18" MIN.
 - ⊖ 120V SINGLE RECEPTACLE +18" MIN
 - ⊕⊖ 220V RECEPTACLE +18" MIN
 - ⊕⊖⊕ 120V DUPLEX WEATHERPROOF +18" MIN RECEPTACLE
 - ⊕ QUAD. RECEPTACLE +18" MIN
 - ⊕ FLOOR RECEPTACLE
 - ⊕ TELEPHONE JACK +18" MIN
 - ⊕ FLOOR TELEPHONE JACK
 - ⊕ SINGLE POLE SWITCH +48" MAX
 - ⊕ THREE WAY SWITCH +48" MAX
 - ⊕ FOUR WAY SWITCH +48" MAX
 - ⊕ DIMMER SWITCH +48" MAX
 - ⊕ TIMER SWITCH +48" MAX
 - ⊕ WEATHER PROOF SWITCH +48" MAX
 - ⊕ JUNCTION BOX
 - ⊕ THERMOSTAT +60" (SEALED)
 - ⊕ WALL MOUNTED LIGHT FIXTURE
 - ⊕ ELEC. PANEL
 - ⊕ TV OUTLET LOCATION +18" MIN
 - ⊕ COMMUNICATIONS OUTLET LOCATION

FILE NAME: POREV9 PLT SF: 1=48



3 ALTERNATE WIRE CONNECTION TO WOOD RAFTER
9A FULL

FIBERGLASS DUCTBOARD
PLENUM CLASS 'A'
ALT. S.M. PLENUM



RIGHT SIDE VIEW FRONT VIEW RIGHT SIDE VIEW REAR VIEW

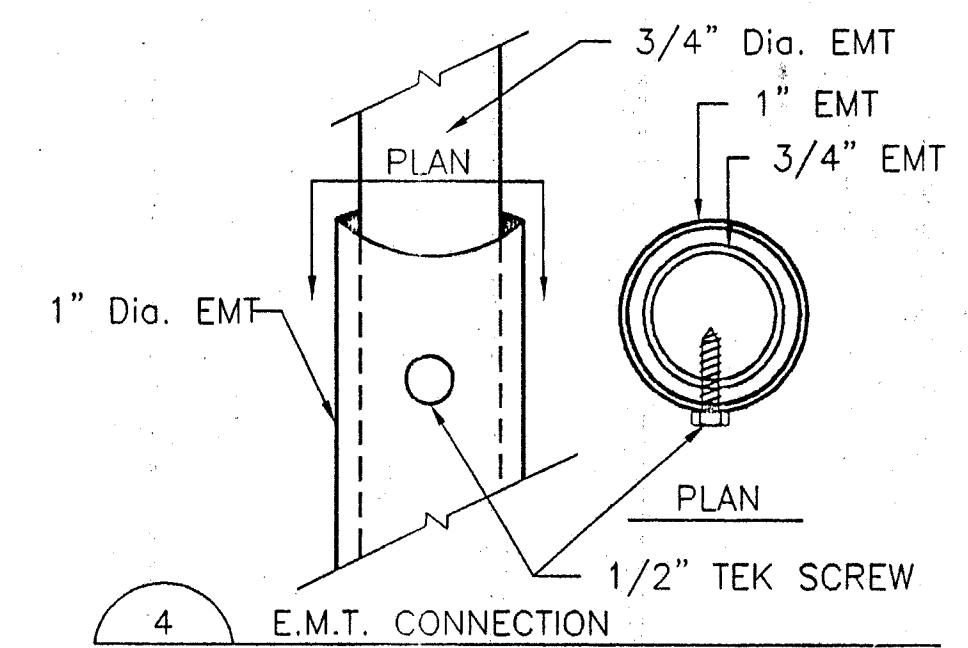
NOTE: 1- OPTIONAL TOP SUPPLY AIR OPENING WITH TSO-1 CONVERSION KIT FIELD INSTALLED
2- THE SUPPLY DUCT REQUIRES A ONE INCH CLEARANCE ON ALL FOUR SIDES FROM COMBUSTIBLE MATERIALS. THIS IS REQUIRED FOR THE FIRST THREE FEET OF SUPPLY DUCT. REFER TO INSTALLATION MANUAL FOR MORE DETAILED INFORMATION.

MINIMUM INSTALLATION CLEARANCES

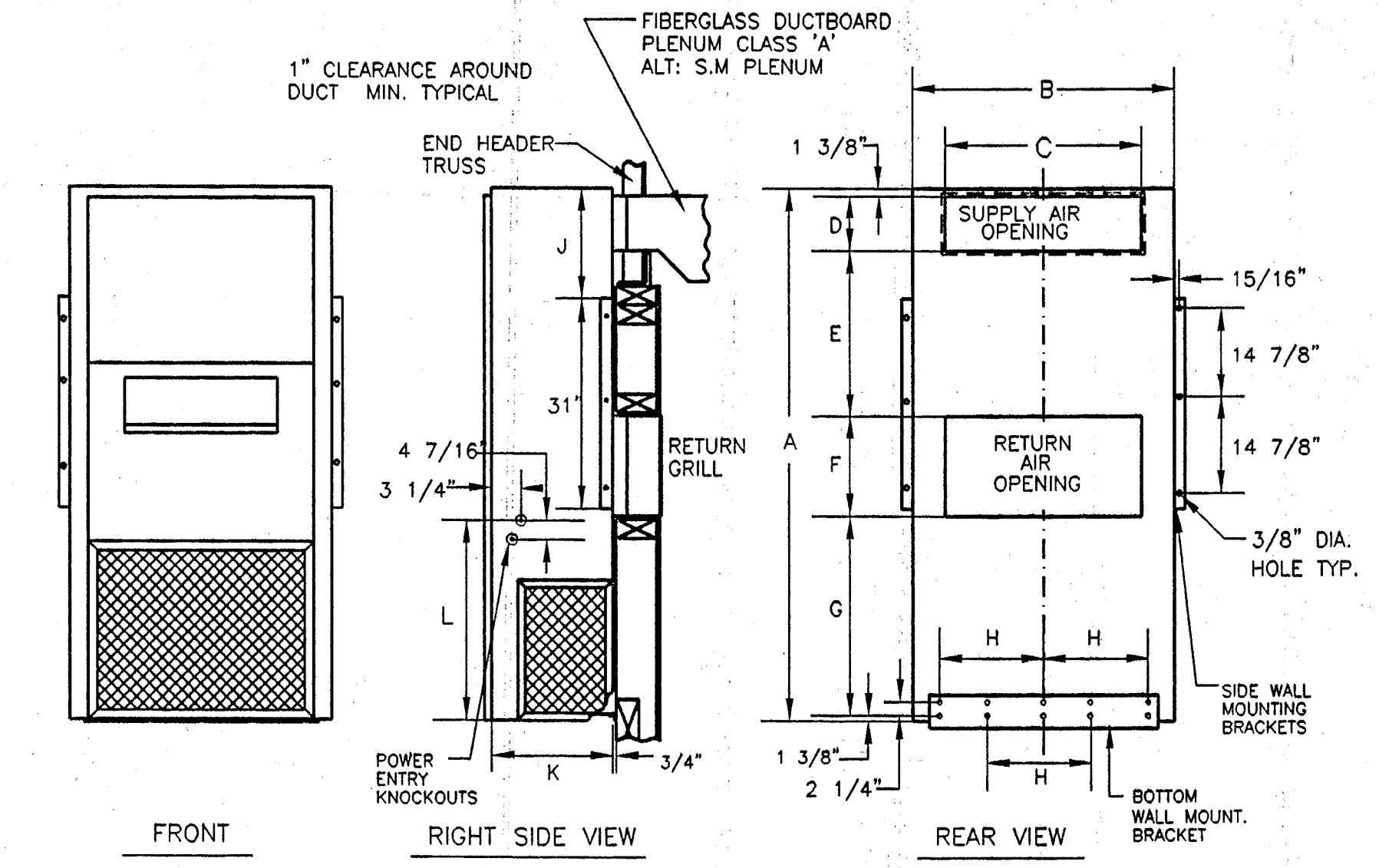
VENT HOOD	14 INCHES
CONDENSER INLET	30 INCHES
FILTER ACCESS	30 INCHES
TOP (FOR 18-3/4" DEPTH OF UNIT)	0 INCHES
BURNER AND INDUCED DRAFT BLOWER ACCESS	17 INCHES
COMBUSTIBLE BASE (WOOD OR CLASS A,B, OR C ROOF COVERING MATERIAL)	0 INCHES

BAR#	MODEL	VOLTS	PHASE
WAG30A	A54C	230	208-1
WAG36A	A54C	230	208-1
WAG36A	B54C	230	208-3
WAG36A	C54C	460	-3
WAG40A	A54C	230	208-1
WAG40A	B54C	230	208-3
WAG40A	C54C	460	-3

1 WALL MOUNTED HVAC UNIT GAS/ELECTRIC
9A N.T.S.

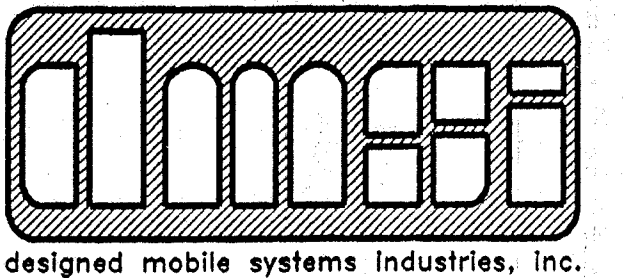


4 E.M.T. CONNECTION
9A FULL



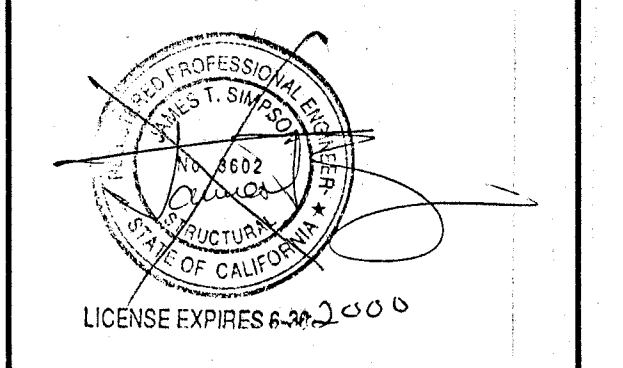
TONS	A	B	C	D	E	F	G	H	J	K	L
1 1/2, 2	69 3/8	32 3/8	19 7/8	7 7/8	20 1/2	11 1/2	27 1/2	NA	NA	14 7/8	22 7/8
2 1/2, 3	74 1/2	38 1/2	27 1/2	7 7/8	18 1/2	13 1/2	32 1/2	NA	NA	16 1/2	24 1/2
3 1/2, 4, 5	84 1/2	42 1/2	29 1/2	9 1/2	30 1/2	15 1/2	26 1/2	NA	NA	23 1/2	32 1/2

5 WALL MOUNTED HVAC UNIT
MM1 N.T.S.

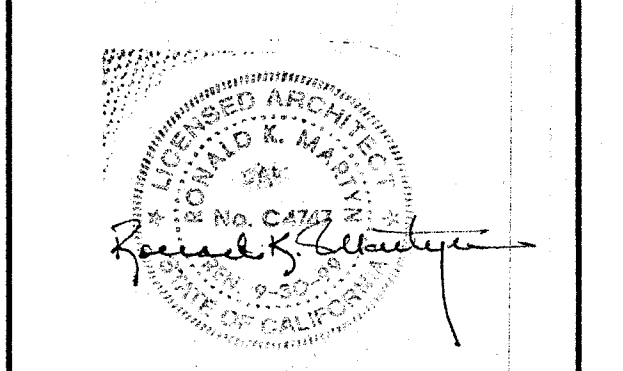


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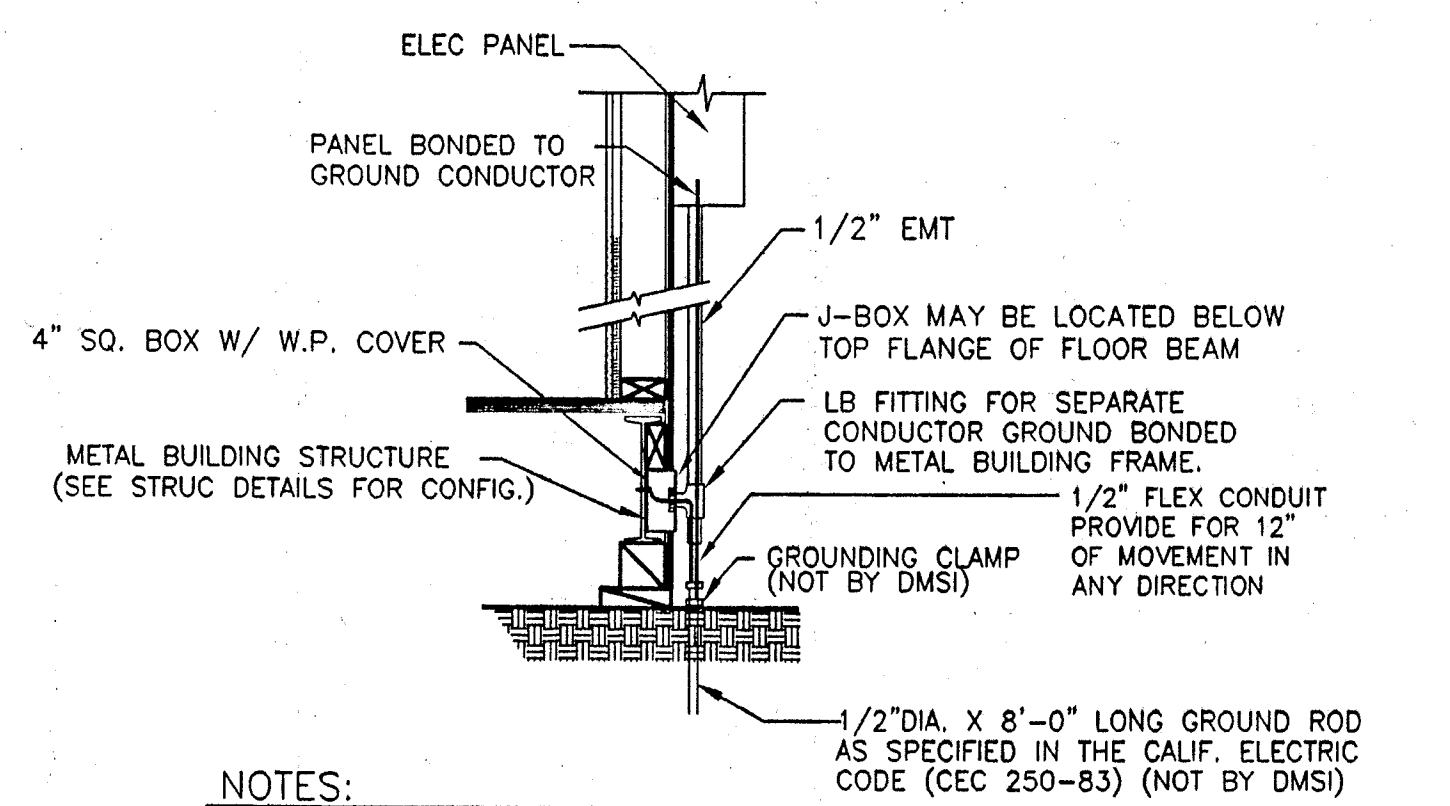
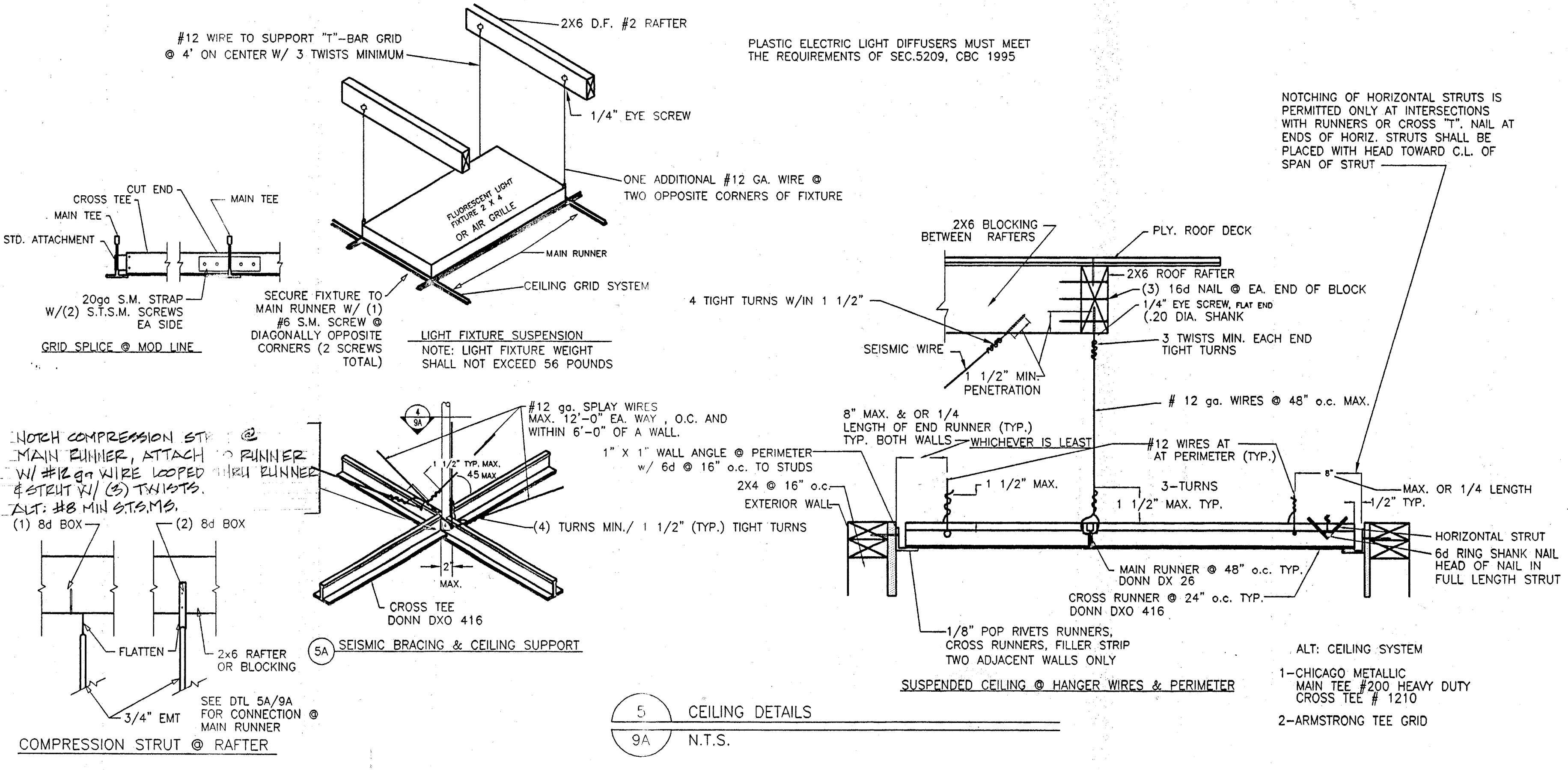
Approvals:



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OFFICE OF REGULATION SERVICES
APPL 01 10 574
AC FLS 15 SS
DATE 5-5-99

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OFFICE OF REGULATION SERVICES
PC 29
AC FLS 15 SS
DATE OCT 23 1996

Revisions:



NOTES:

- SIZE OF CONDUCTORS SHALL COMPLY WITH C.E.C. TABLE 250-95.
- BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL BUILDING FRAME (CEC 250-81) IN ADDITION TO THE DETAIL SHOWN ABOVE. BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10 FT. INTO SOIL IF AVAILABLE (CEC 250-81 & 250-83).
- ALL MODULES OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING IS NOT ACCEPTABLE BONDING.)
- CHECK RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN, SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (CEC 250-84) TESTING AND ADDITIONAL GROUND RODS N.I.C.

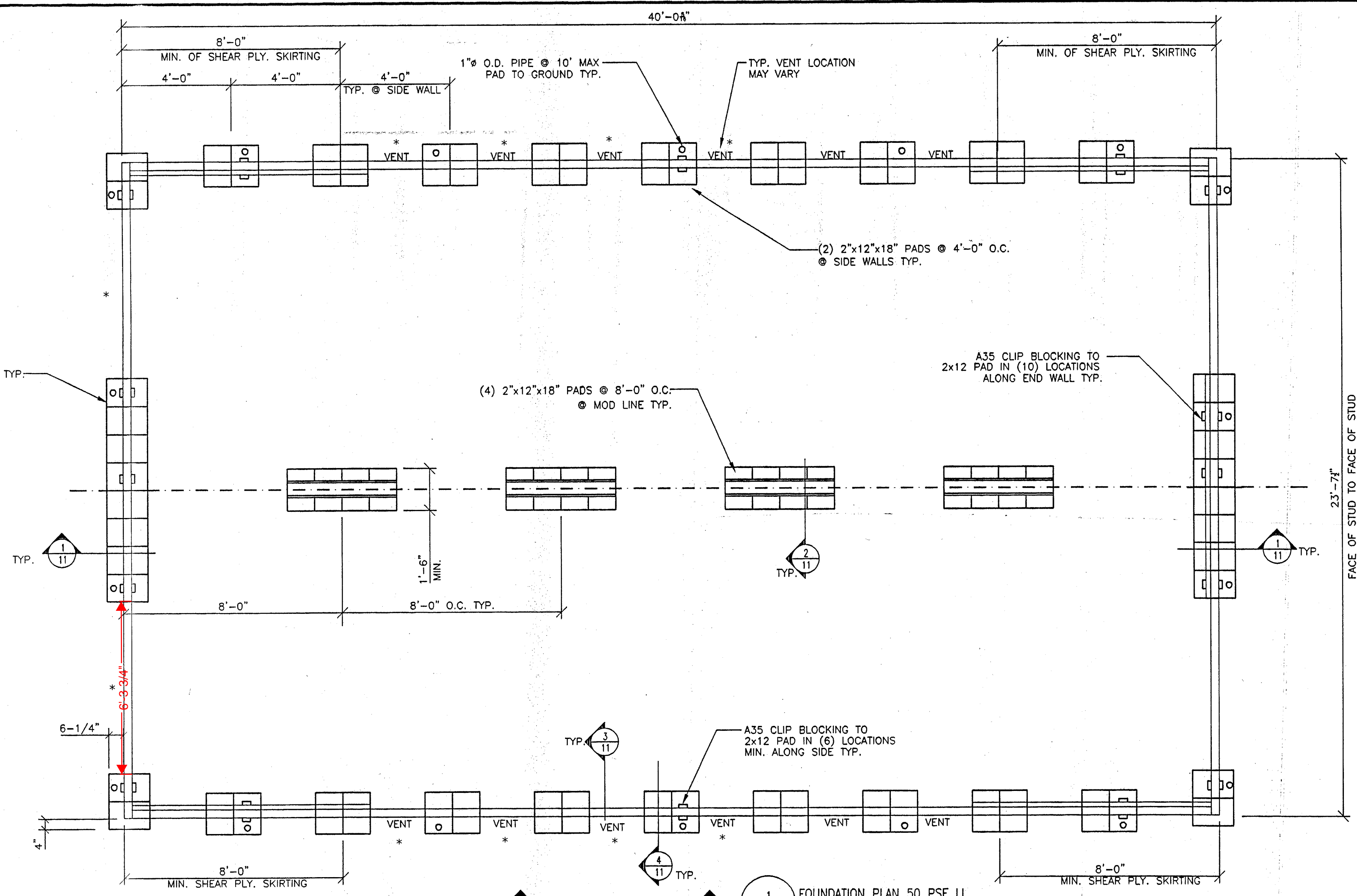
6 SUGGESTED GROUNDING DETAIL
9A N.T.S.

FILE NAME: POREVGA PLT. SF. 1=48

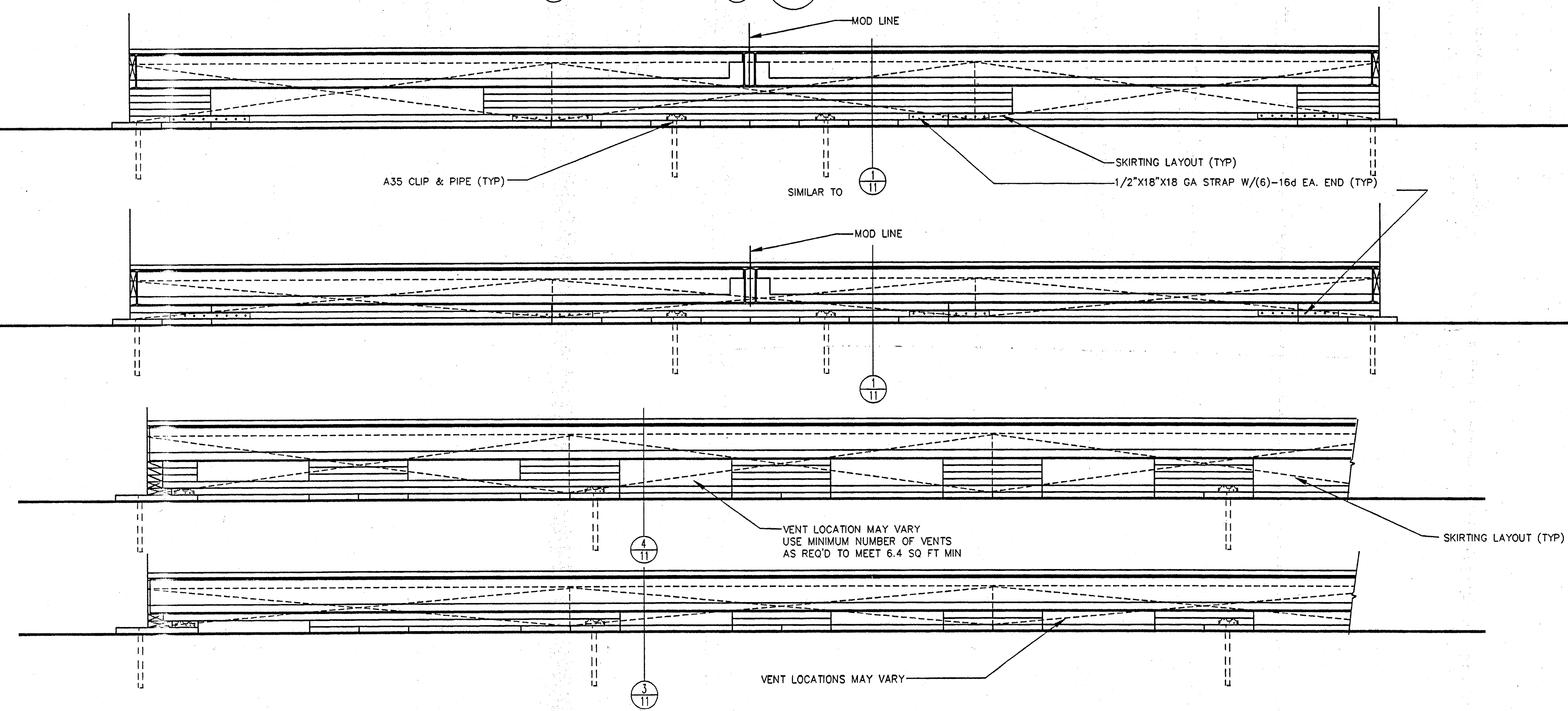
75 MPH EXP 'C' / 20 PSF UNREduced/SW
24x40 RELOCATABLE BUILDING
Hayward Unified School Dist.
SITE: Various Sites DATE: 03/17/99 JOB NO: 20-818
Sheet Title: MECHANICAL & ELECTRICAL DETAILS

Drawn: J.A.
Date: 10/15/96
Scale: NOTED
Job:
Sheet
9A
Of Sheet

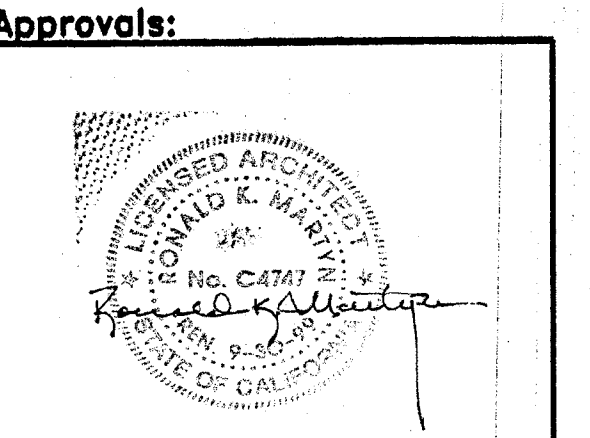
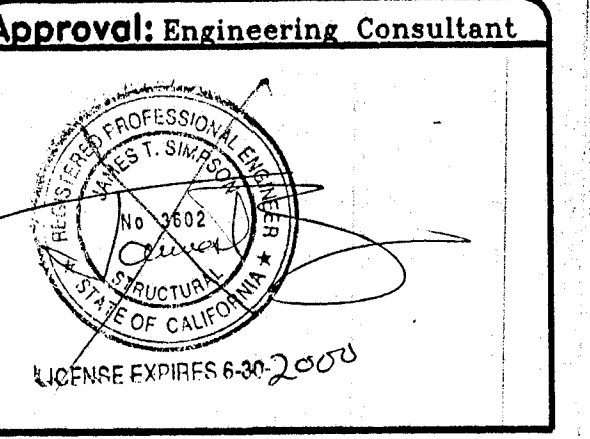
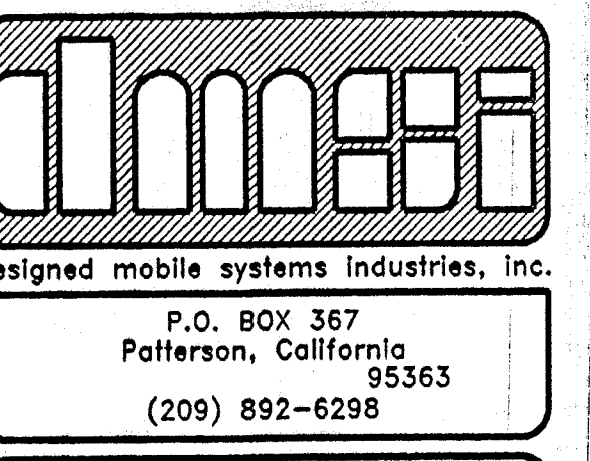
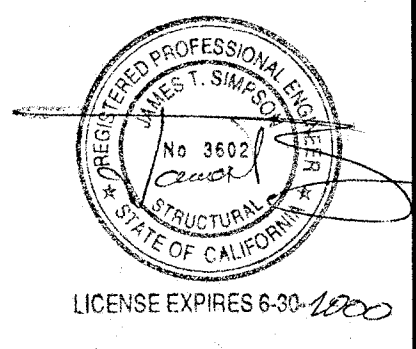
FOUNDATION VENT CALCULATION:
 BUILDING SF: 24X40=960 SF
 REQUIRED VENTILATION: 960 SF / 150 SF = 6.4 SF.NET VENTILATION REQUIRED
 THE NUMBER OF TYP VENTS TO BE USED:
 3" X 6'-4" = 1.58 SF (2 AT END WALL)
 1.58 SF X 2 = 3.16 SF
 3" X 2'-0" = 0.5 SF
 0.5 SF X 4 = 2 SF (3 AT THE SIDEWALLS)
 2 X 2 = 4 SF
 4 SF + 3.16 SF = 7.16 SF
 7.16 SF > 6.4 SF = OK
 * - DENOTES SITE-SPECIFIC VENT LOCATIONS



- 2
10 RAISED END WALL FDN FRAMING
3/4"=1'-0"
- 3
10 FOUNDATION END WALL FRAMING
3/4"=1'-0"
- 4
10 RAISED SIDE WALL FDN FRAMING
3/4"=1'-0"
- 3
10 SIDE WALL FOUNDATION FRAMING
3/4"=1'-0"



- SHEET NOTES**
- 1- 1000 PSF SOIL BEARING PRESSURE ASSUMED PER UBC TABLE 18 A-1-A.
 - 2- 1' MIN PENETRATION OF PIPES INTO GROUND.
 - 3- PRESSURE TREATED DF APPROVED FOR GROUND CONTACT TO BE UTILIZED @ GROUND. PTDF FOR ABOVE GROUND TO BE USED ELSEWHERE. PT PLYWOOD AND/OR REDWOOD SHIMS TO BE USED FOR FINAL LEVEL.
 - 4- 3/8" MIN. SKIRTING PLY. NAIL END WALLS-W/ 8d GALV. 4"OC EDGES, 12"OC FIELD SIDE WALLS (8" FROM CORNERS)-W/ 8d GALV. 6"OC EDGES, 12"OC FIELD.
 - 5- NON SHEAR SKIRTING @ SIDEWALL NAIL W/8d BOX @ 6"OC. EDGES 12" O.C. INT.
 - 6- NON TREATED DF FOUNDATION MEMBERS MAY BE USED ABOVE GROUND
 - 7- FOOTING PADS TO BE NAILED W/ ELECTRO GALV. NAILS TYP.



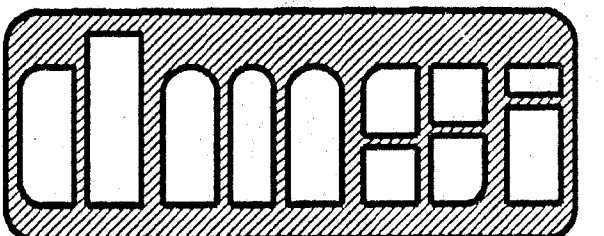
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 APPLICANT 10157
 AC FLS SS
 DATE 5-5-97

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 OFFICE OF REGULATION SERVICES
 AC FLS SS
 DATE OCT 23 1990

Revisions:

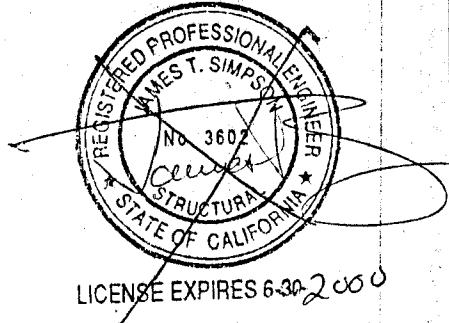
75 MPH EXP 'C' / 20 PSF UNREDUCED / SW
 24x40 RELOCATABLE BUILDING
 Hayward Unified School Dist. JOB NO. 20-81B
 SITE: Various Sites DATE: 03/17/99
 Sheet Title: FOUNDATION PLAN & DETAILS

Drawn: J.A.
 Date: 10/15/96
 Scale: NOTED
 Job:
 Sheet 10 of 10

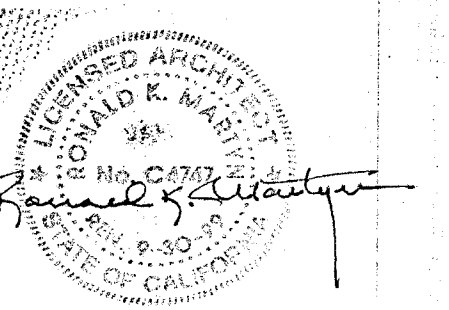


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Approval: Engineering Consultant

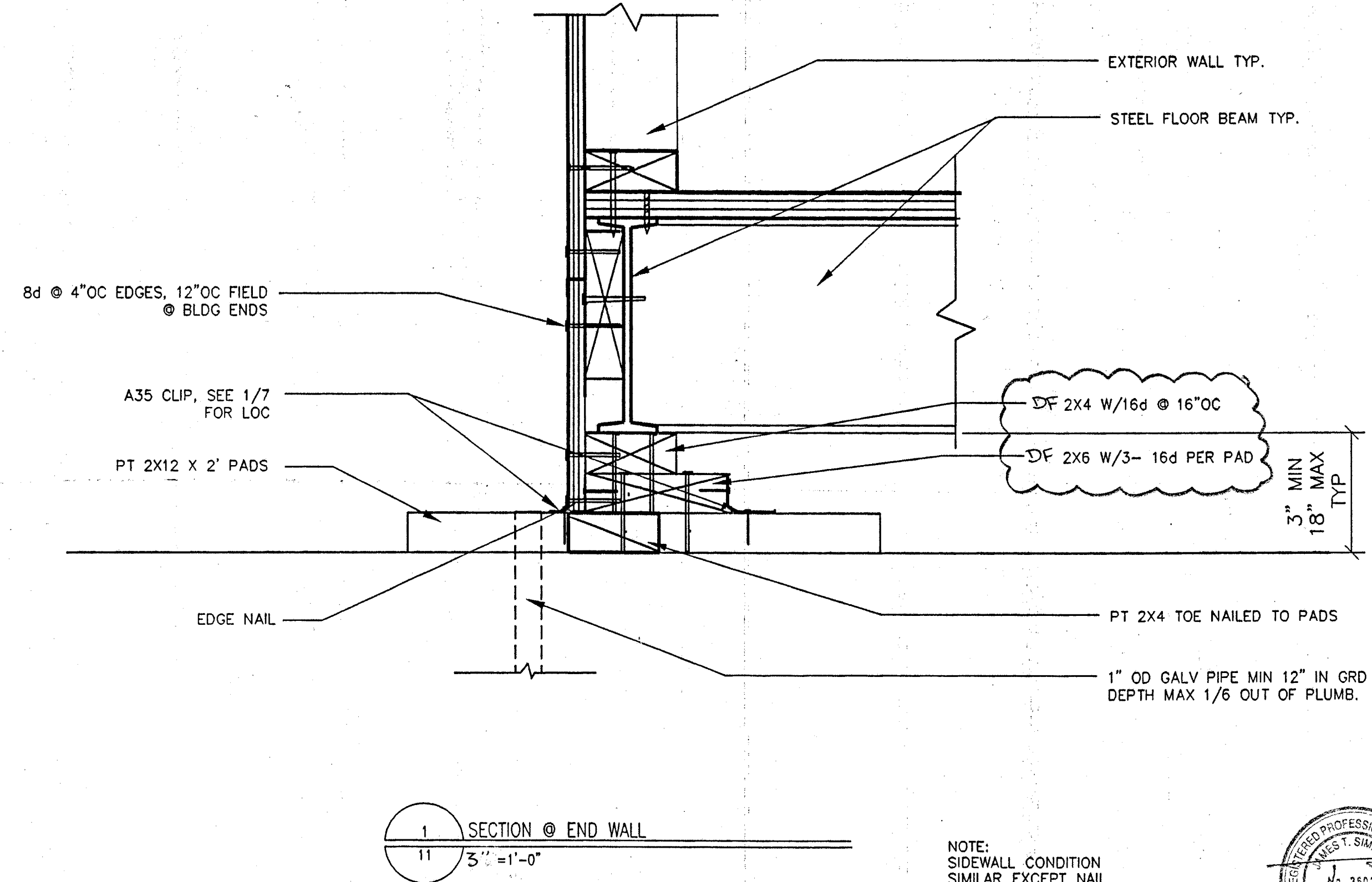
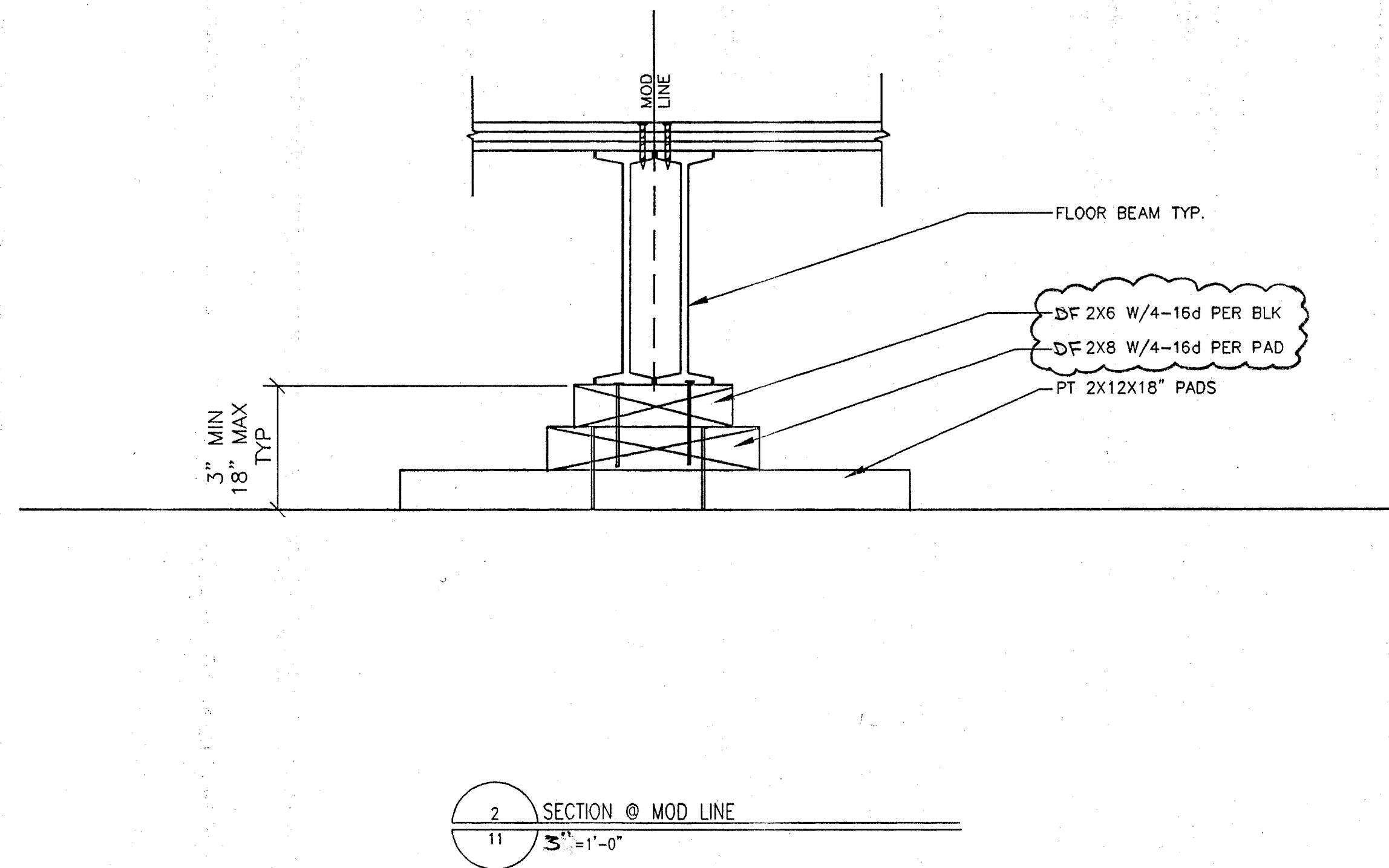


Approvals:

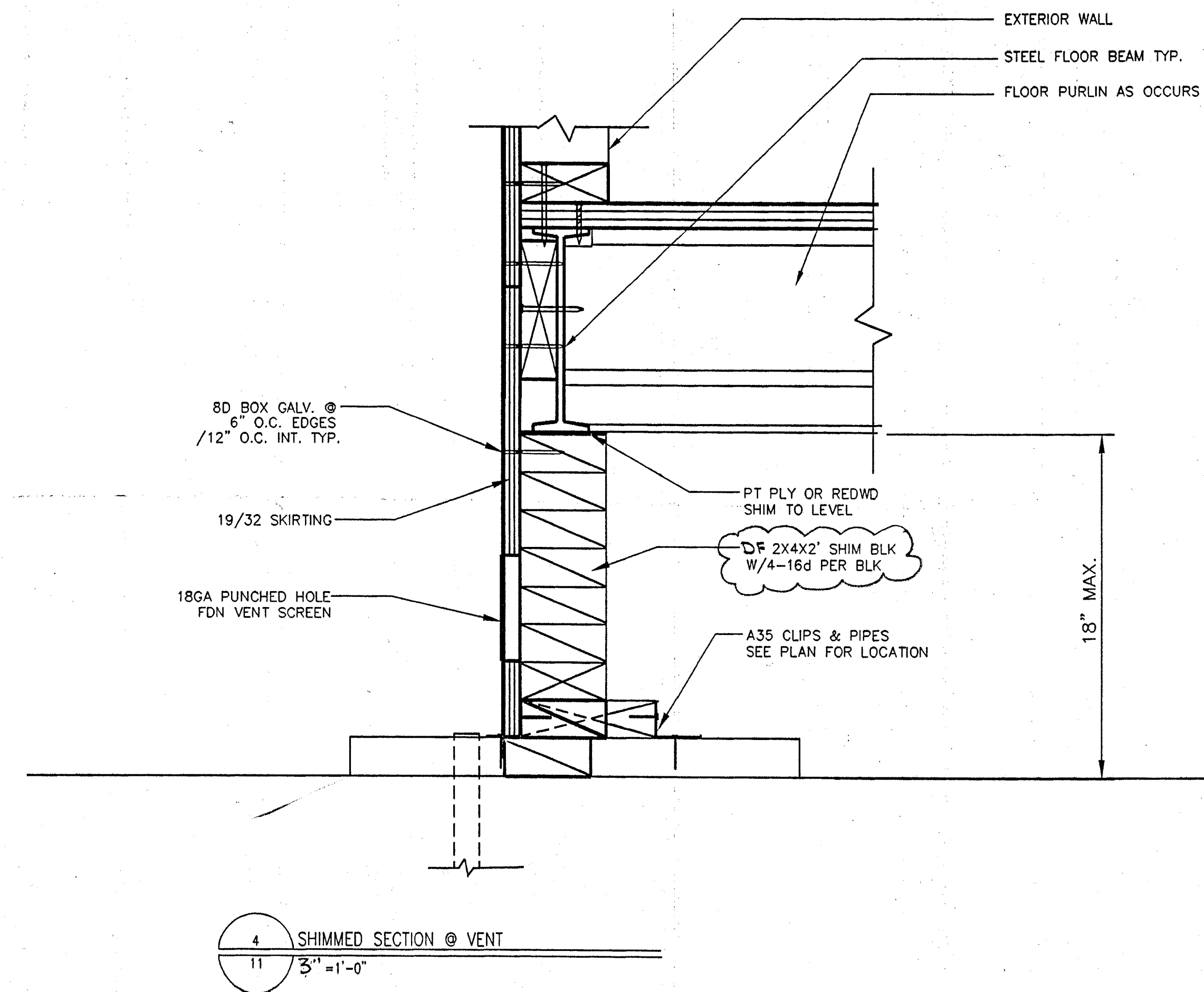
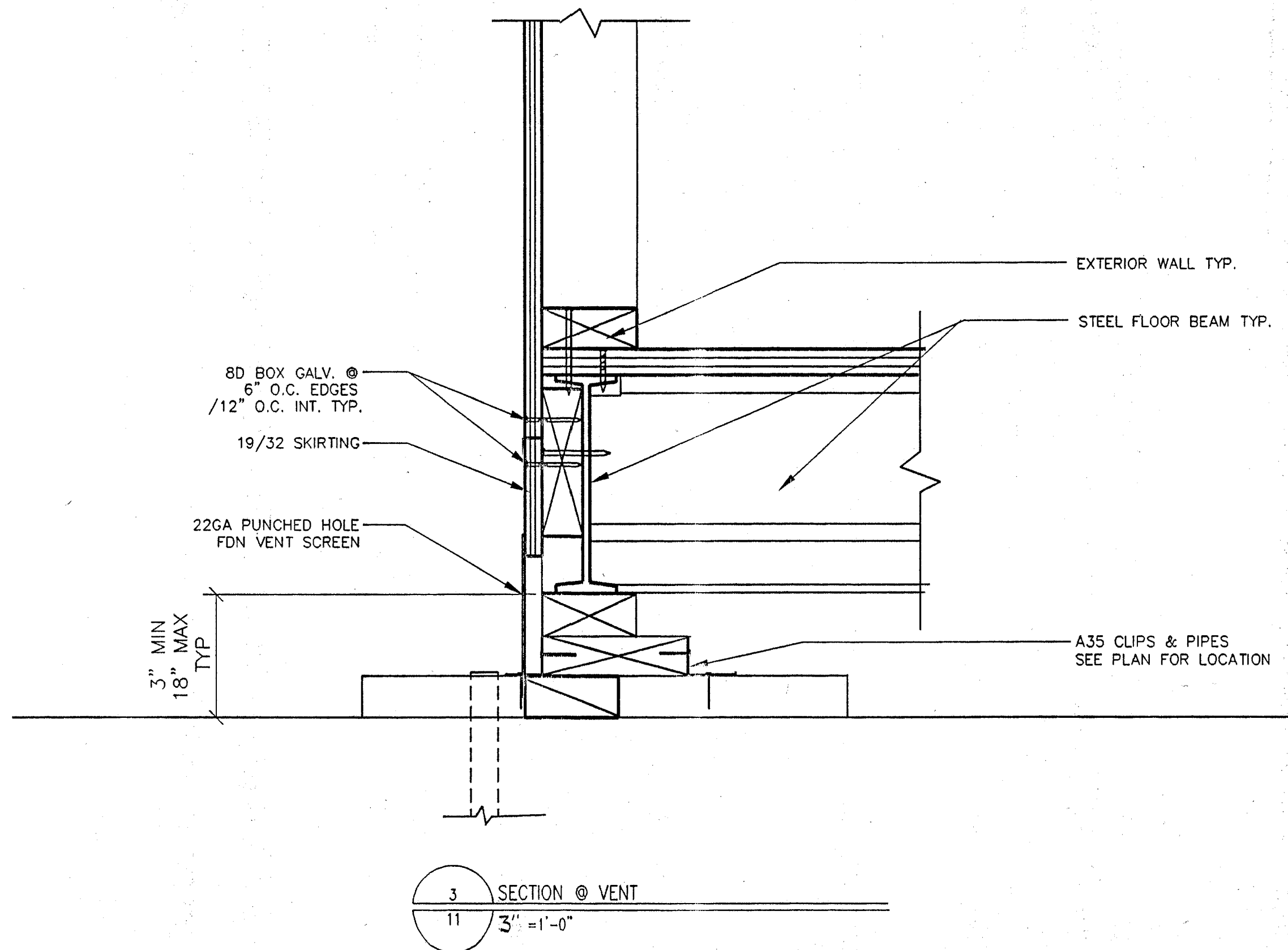
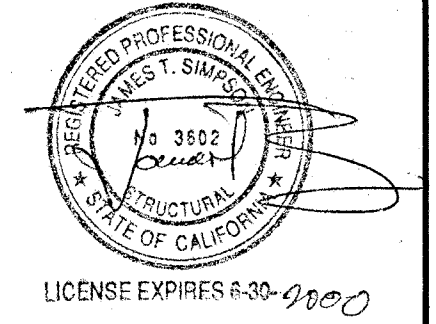


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 AC FLS SS
 DATE 5-5-99

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 OFFICE OF REGULATION SERVICES
 AC FLS SS
 DATE OCT 20 1996



NOTE:
 SIDEWALL CONDITION
 SIMILAR EXCEPT NAIL
 8D BOX GALV. @ 6" O.C.
 EDGES 12" O.C. INT. TYP.



Revisions:

--

75 MPH EXP 'C' / 20 PSF UNREDUCED / SW

24x40 RELOCATABLE BUILDING

Hayward Unified School Dist. JOB NO. 20-818
 DATE: 03/17/99

SHEET TITLE: FOUNDATION DETAILS

Drawn: J.A.
 Date: 10/15/96
 Scale: NOTED
 Job:
 Sheet 11 of 11



CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION
450 COMMERCE AVE
ATWATER, CA 95301
PHONE: (209) 676-8029
FAX: (209) 676-8067
WEBSITE: WWW.GOV.NET

SOUTHERN CALIFORNIA DIVISION
1860 CHICAGO AVE. SUITE 1-7
RIVERSIDE, CA 92507
PHONE: (951) 686-3633
FAX: (951) 686-3666
WEBSITE: WWW.GOV.NET

RAMP & LANDING PC

PC 02-120787

2022 CBC

PROJECT SPECIFIC STATE AGENCY APPROVAL



CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION
450 COMMERCE AVE
ATWATER, CA 95301
PHONE: (209) 676-8029
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FAX: (951) 686-3666
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MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ABBREVIATIONS

AB: Anchor Bolt
ABV: Above
AC: Air Conditioning, Alternating Current
ADA: Americans with Disabilities Act of 1992
ADD: Addendum; Addition
ADDL: Additional
ADJ: Adjust, Adjustable, Adjacent
AFF: Above Finished Floor
AFG: Above Finish Grade
AIA: American Institute of Architects
ALT: Alternate, Alteration; Altitude
ALUM: Aluminum
AMP: Ampere, Ampacity
AMT: Amount
ANCH: Anchor, Anchorage
ANOD: Anodized
APPROX: Approximate
APRVD: Approved
ARCH: Architect, Architectural
ASC: Above Suspended Ceiling
ASCE: American Society of Civil Engineers
ASME: American Society of Mechanical Engineers
ASSOC: Association; Associate
ASTM: American Society for Testing and Materials
AUTO: Automatic
AVG: Average
BD: Board
BEL: Below
BETW: Between
BKR: Breaker
BLDG: Building
BLK: Block
BLKG: Blocking
BM: Beam
BOT: Bottom
BP: Base Plate
BRKR: Breaker
BS: Both Sides
BTU: British Thermal Units
BTUH: British Thermal Units per Hour
C/C: Center to Center
CA: Cabinet
CHAN: Channel
CI: Cast Iron
CIR: Circle, Circular, Circuit
CJ: Control Joint
CL: Centerline
CLR: Clear
CNTR: Center, Counter
CO: Cleamout, Conduit
COL: Column
CONC: Concrete
CONN: Connection
CONST: Construction
CONT: Continuous, Continue, Control
CRS: Cold Rolled Steel
D: Deep, Depth
DBL: Double
DET: Detail
DF: Douglas Fir
DIA: Diameter
DIM: Dimension
DISL: Disposal
DISP: Dispenser
DIV: Division
DL: Dead Load
DN: Down
DWG: Drawing
DWGS: Drawings
E: East
(E): Existing
EA: Each
EJ: Expansion Joint
EL: Elevation, Elevator
ELEC: Electrical
ELEV: Elevator, Elevation
EN: End Nail
EPDM: Ethylene Propylene Diene Monomer
EQ: Equal
EXT: Exterior
FE: Fire Extinguisher
FF: Finished Floor
FG: Finished Grade
FIN: Finish, finished
FLR: Floor
FND: Foundation
FOC: Face of Concrete
FOF: Face of Finish
FOS: Face of Studs, Face of Sill Plate
FT: Foot, Feet, Fully Tempered
FIT: Fitting, Fitting
GA: Gauge, Gage
GAL: Gallon
GALV: Galvanized
GFCI: Ground Fault Circuit Interrupted
GFI: Ground Fault Interrupted
GI: Galvanized Iron
GND: Ground
H: High
HDR: Header
HF: Hem Fir
HR: Hour
HT: Height
HVAC: Heating, Ventilating & Air Conditioning
ID: Inside Diameter
IN: Inch
INFO: Information
INT: Interior
INV: Invert
J-BOX: Junction Box
JST: Joist
JT: Joint
KW: Kilowatt
L: Length
LB: Pound (weight), Lag Bolt
LH: Left Hand
LL: Live Load
LT: Light
LWC: Light Weight Concrete
MAX: Maximum
MECH: Mechanical
MFG: Manufacturer, Manufacturing
MFR: Manufacture, Manufacturer
MIL: One Thousandth of and Inch
MIN: Minimum
MIR: Mirror
MISC: Miscellaneous
MOD: Module
MT: Mount, Mounted
MTL: Material, Metal
(N): New
NEC: National Electrical Code
NIC: Not In Contract
NTS: Not To Scale
O/O: Outside to Outside
OC: On Center
OD: Outside Diameter
OH: Overhang
OPNG: Opening
OPP: Opposite
PC: Piece, Pre-Checked
PH: Phase
PL: Plate
PLYMD: Plywood
PLUMB: Plumbing
PREFAB: Prefabricated
PSF: Pounds per square foot
PSI: Pounds per square inch
PT: Pressure Treated
PVC: Polyvinyl Chloride
QTY: Quantity
RCP: Reflected Ceiling Plan
REBAR: Reinforcing Bar
RECEP: Receptacle
REF: Refer, Reference, Refrigerator
REQ: Requires, Required
REV: Reverse, Revise, Revision
RF: Roof
RHH: Rough
RH: Right Hand
RO: Rough Opening
RT: Right
S: South
S/S: Side By Side
SF: Square Foot, Square Feet
SHT: Sheet
SHTHG: Sheathing
SIM: Similar
SLV: Sleeve
SPEC: Specification, Specifications
SQ: Square
SS: Stainless Steel
ST: Steel Tube
STD: Standard
STIFF: Stiffener
STL: Steel
STRUCT: Structural
T&B: Top and Bottom
T&G: Tongue & Groove
TEMP: Temporary, Tempered, Temperature
THK: Thick, Thickness
THRU: Through
TN: Top Nail
TPO: Thermo Plastic Olefin
TST: Top of Steel
TSTAT: Thermostat
TYP: Typical
UL: Underwriters' Laboratories
UNO: Unless Noted Otherwise
UNON: Unless Otherwise Noted
USG: United States Gypsum Company
V: Volt
VERT: Vertical
VTR: Vent Through Roof
W: West, Width, Wide, Watt
W/: With
W/O: Without
WD: Wood
WP: Waterproof, Weatherproof
WR: Water Resistant, Water Repellent
WT: Weight

DESIGN CRITERIA

LOADS:

- RAMP AND STAIR LIVE LOAD = 100 PSF UNIFORM LOAD
300 POUND CONCENTRATED LOAD
- SNOW LOAD = 30 PSF
- NO FLOOD LOADING
- WIND:
WIND SPEED = 130 MPH
RISK CATEGORY = II
EXPOSURE = C
 $K_{zt} = 1.0$
WIND DESIGN PER ASCE 7-16 CHAPTER 29
- SEISMIC:
RISK CATEGORY = II
 $I_e = 1.00$
 $S_1 = 1.389$
SITE CLASS = C+D DEFAULT
 $S_s = 1.2$
 $F_a = 1.12$
 $S_{ps} = 1.34$
SITE CLASS = A,B+D
 $S_s = 1.68$
 $F_a = 1.0$
 $S_{ps} = 1.12$
 $C_s = 1.07$ (ASCE 7-16 EQUATION 12.8-2)
 $R = 1.25$ (ASCE 7-16 TABLE 15.4-2)
- ALLOWABLE SOIL BEARING = 1000 PSF
- THIS PC CANNOT BE USED IN WILDLAND URBAN INTERFACE (WUI) AREAS.
- THIS PC IS NOT ALLOWED AT SITE E OR F OR SITE WITH LIQUEFACTION.
- THIS PC DESIGN DOES NOT ALLOW FOR THE USE OF SKIRTING.

APPLICABLE CODES

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

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

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

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

APPLICABLE STANDARDS
FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO NFPA STANDARDS REFER TO CBC CHAPTER 35 AND CPC CHAPTER 80.

NOTES

A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER), AND APPROVED BY THE THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-333 AND 4-342, PART 1, TITLE 24, CCR. CLASS R.B.I.P. FOR IN-PLANT INSPECTIONS.

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

(Application No. _____ (File No. _____))

- The drawings or sheets listed on the cover or index sheet
 The drawings, page of specifications/calculations

have been prepared by design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

- design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me and
- coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

The statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344 of Title 24, Part 1. (Title 24, Part 1, Section 4-317 (b))

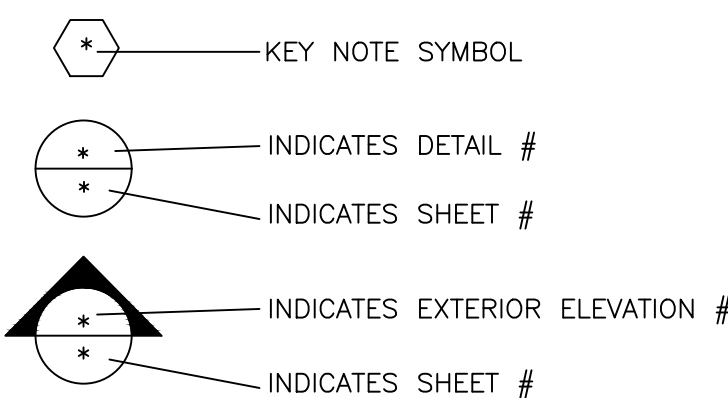
I certify that: All drawings or sheets listed on cover or index sheet
 This drawing or page

is/are in general conformance and is/are in general conformance and
 have been coordinated have been coordinated

Signature _____ Date _____ Signature _____ Date _____
Architect or Engineer designated to be in general responsible charge. Architect or Engineer delegated responsibility for this portion of the work.

Print Name _____ Print Name _____
License Number _____ Expiration Date _____ License Number _____ Expiration Date _____

DRAWING SYMBOLS



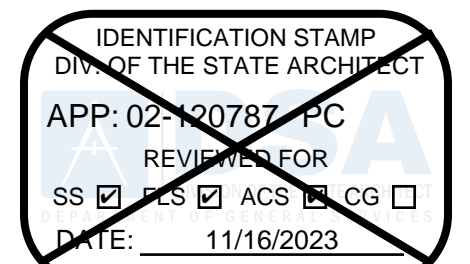
DRAWING INDEX

SHEET NO.	ARCHITECTURAL	0"-30" MAX	30"-ABOVE	EXAMPLE: NEEDED <input checked="" type="checkbox"/> NOT NEEDED <input type="checkbox"/>
RO.0	TITLE SHEET			
RO.1	RAMP AND LANDING DETAILS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
RO.2	RAMP AND LANDING DETAILS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
RO.3	RAMP AND LANDING DETAILS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
RO.8	DSA DOCUMENTS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
R2.0	RAMP AND LANDING PLAN (FREE STANDING ASSEMBLY)	<input checked="" type="checkbox"/>	N/A	
R3.0	RAMP AND LANDING PLAN (OFFSET RAMP)	<input type="checkbox"/>	N/A	
R4.0	RAMP AND LANDING PLAN (COMMON LANDING)	<input type="checkbox"/>	N/A	
R5.0	STAIR AND LANDING PLAN AND DETAILS	<input type="checkbox"/>	<input type="checkbox"/>	
R6.0	RAMP AND LANDING OPTIONS	<input type="checkbox"/>	<input type="checkbox"/>	
R7.0	OPTIONAL MODULAR RAMP AND LANDING PLANS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
R8.0	OPTIONAL MODULAR RAMP/LANDING DETAILS & SECTION VIEWS	<input type="checkbox"/>	<input type="checkbox"/>	
R9.1	OPTIONAL MODULAR RAMP/LANDING DETAILS & SECTION VIEWS	<input type="checkbox"/>	<input type="checkbox"/>	
R9.0	OPTIONAL MODULAR RAMP AND LANDING SILL PLATE PLANS	<input type="checkbox"/>	<input type="checkbox"/>	

SHEET COUNT: 14

ARCHITECT OF RECORD

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC



A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

MFR. STRUCTURAL ENGINEER OF RECORD ON PC



SHEET TITLE:

TITLE SHEET

REVISIONS

△ -	
△ -	
△ -	
△ -	
△ -	
△ -	
△ -	

DRAWN BY: -
SCALE: AS NOTED
DATE:

SHEET NUMBER

R0.0

NOTES:
 CODES:
 2022 CALIFORNIA BUILDING CODE (CBC)
 DESIGN LOADS:
 LIVE LOAD: 100 PSF
 WIND LOAD: SEE SHEET R0
 SEISMIC: SEE SHEET R0
 HANDRAIL & GUARD RAIL LOADS:
 50#/FT
 200# POINT LOAD
 MATERIAL SPECIFICATIONS:
 ALL TUBE STEEL, PLATES, ANGLES, ETC. TO BE A1013SS GRADE 40
 ALL STEEL TO BE COATED WITH A RUST INHIBITIVE COATING
 BOLTS: ASTM A307 COMMON BOLTS NOT DIPPED GALVANIZED
 W/ STAINLESS STEEL WASHERS
 PLYWOOD OPTION: APA RATED STRUCT 1 EXTERIOR PLYWOOD
 WELDS: ALL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY
 D-1 3-2008 FOR SHEET STEEL
 ELECTRODES SHALL BE E70XX.

GLOBAL MODULAR
 Incorporated

AURORA MODTECH
 DESIGNS

CONTRACTORS LICENSE #837357

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MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

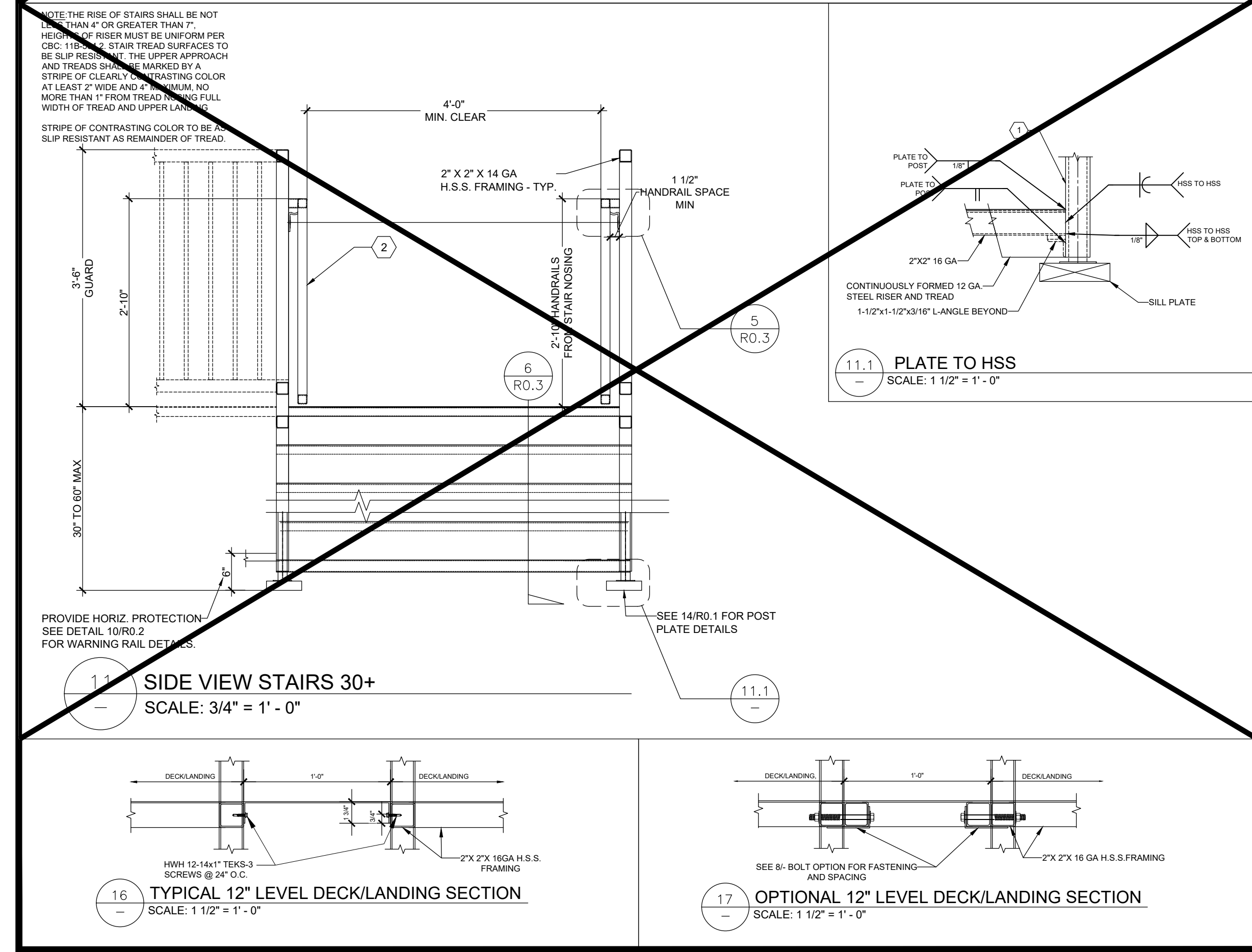
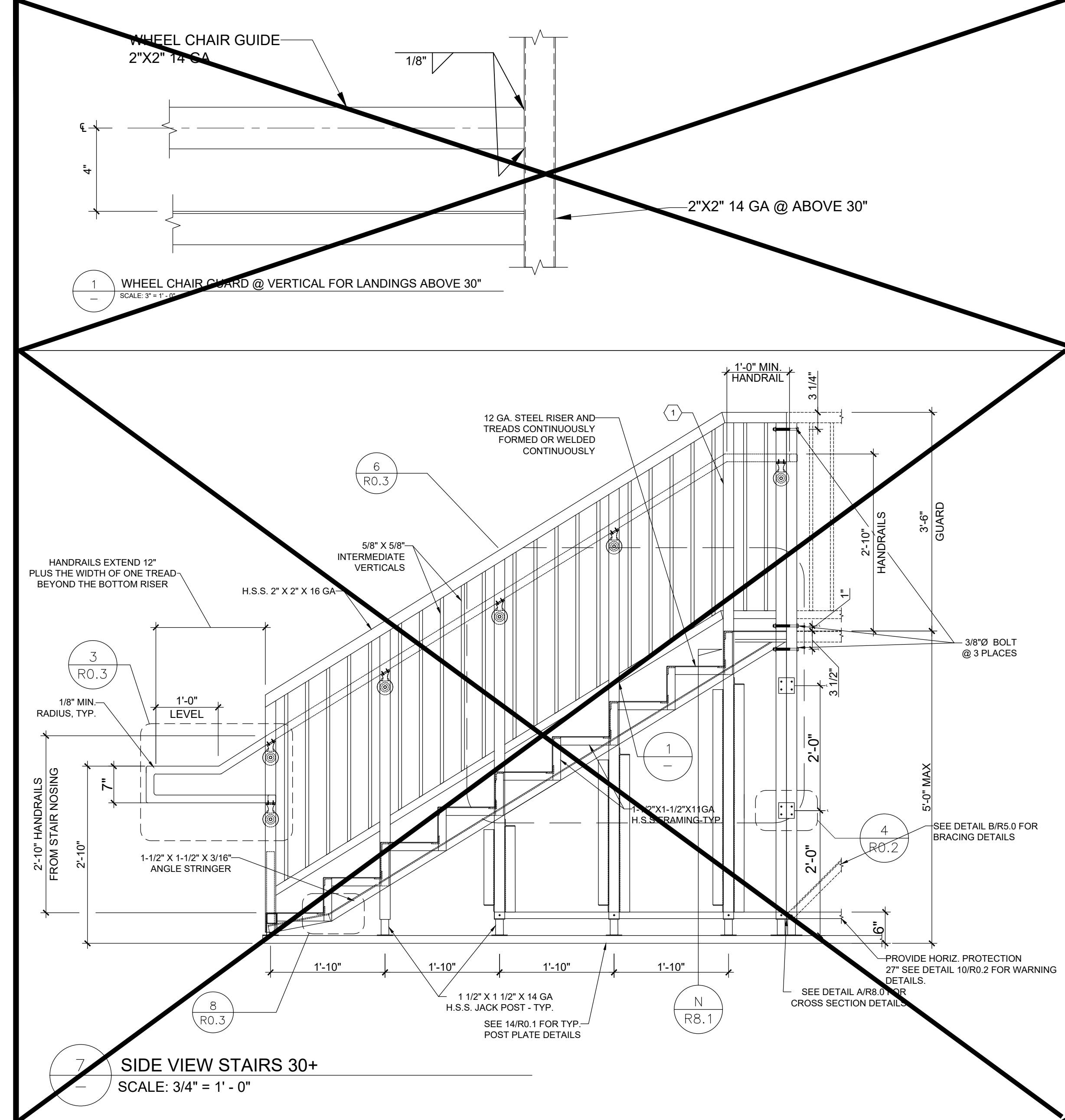
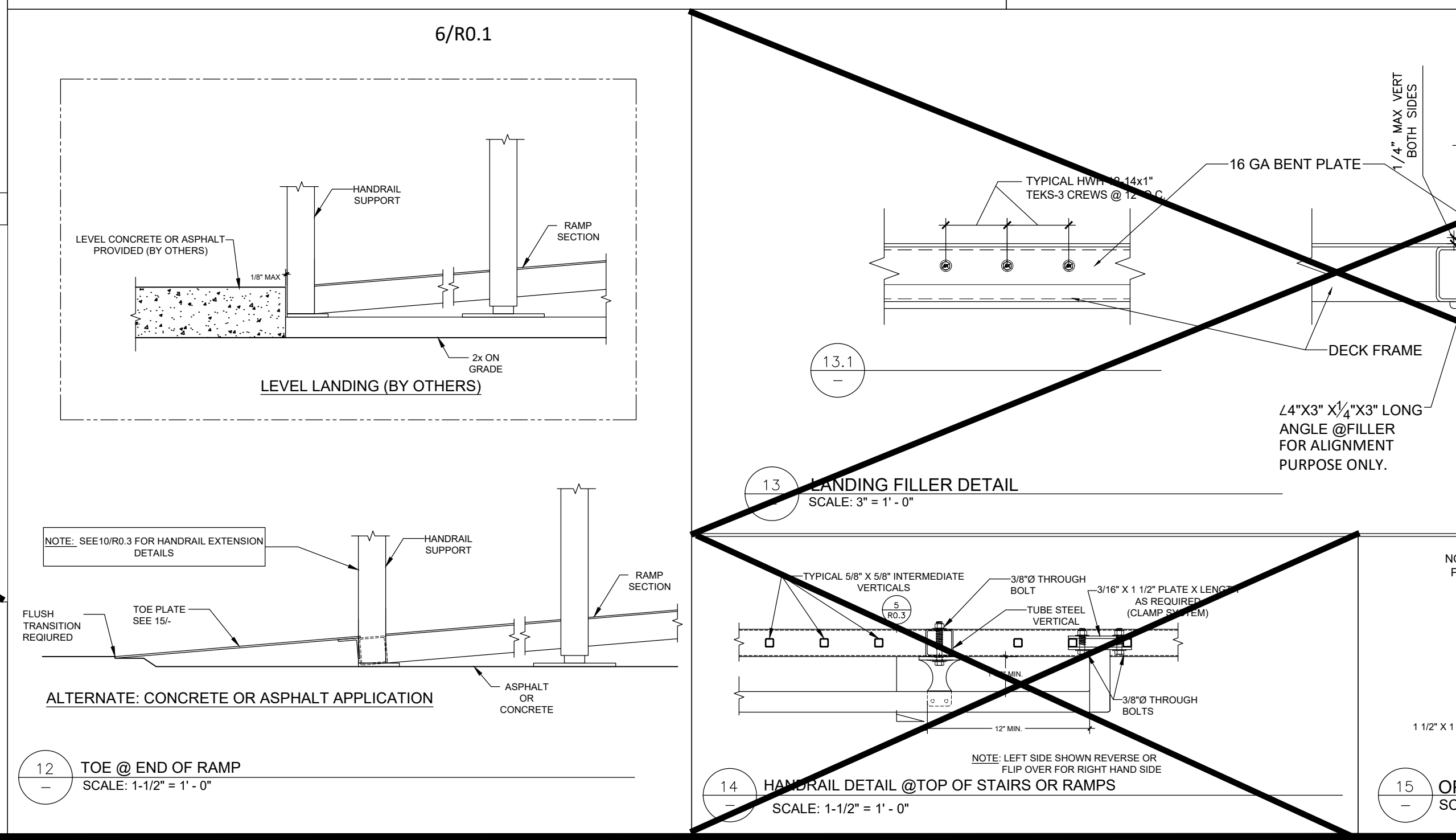
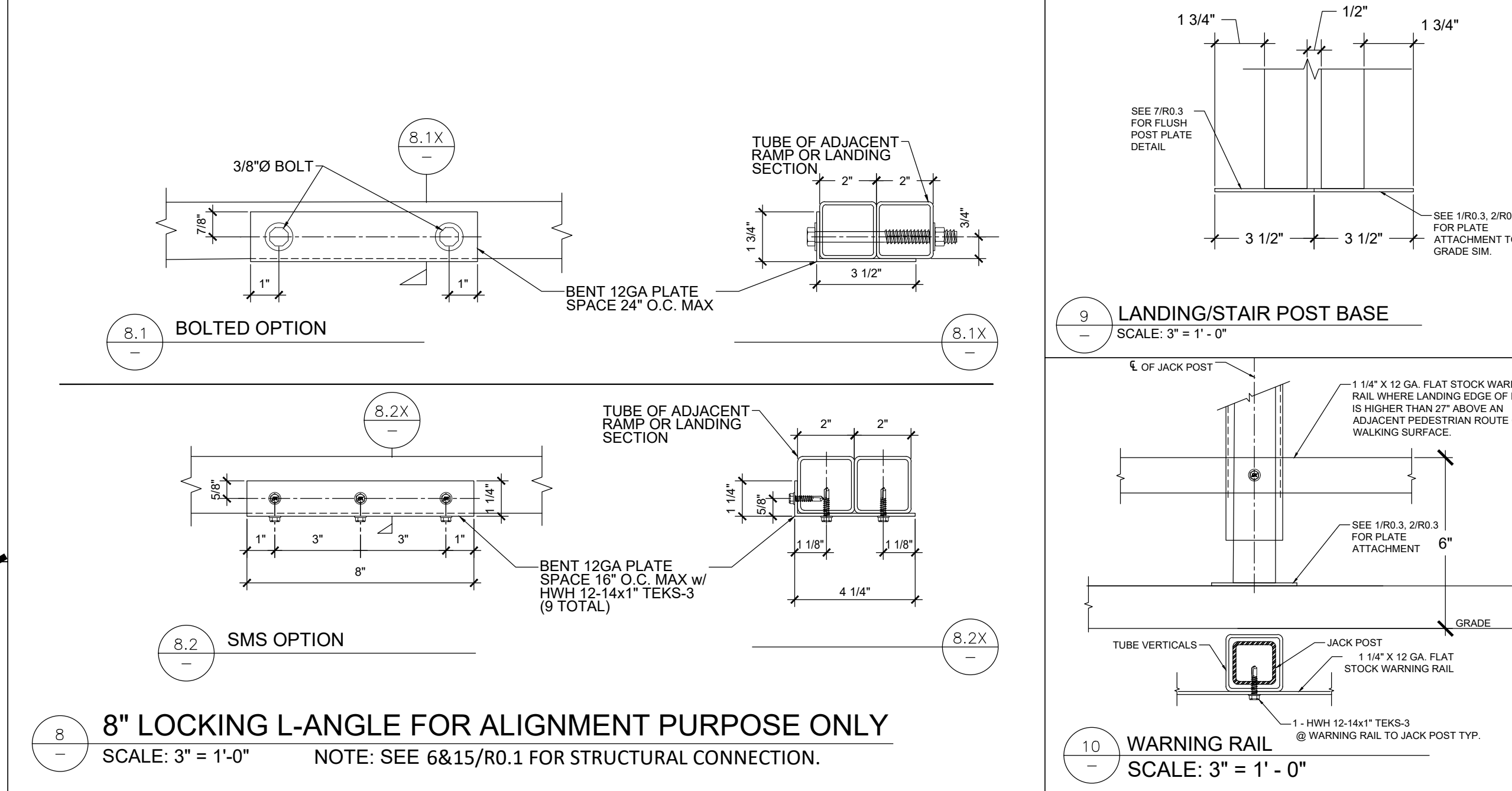
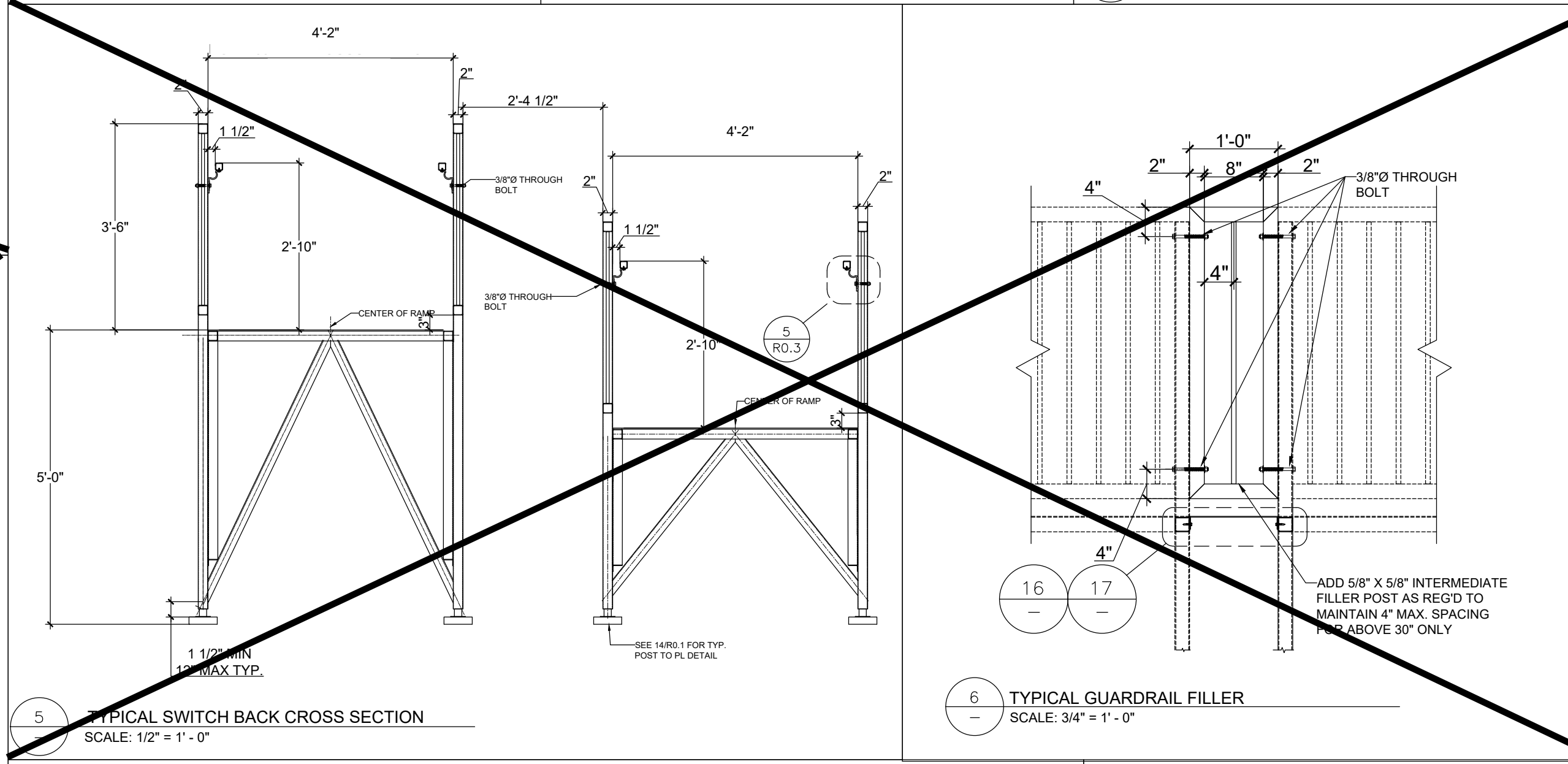
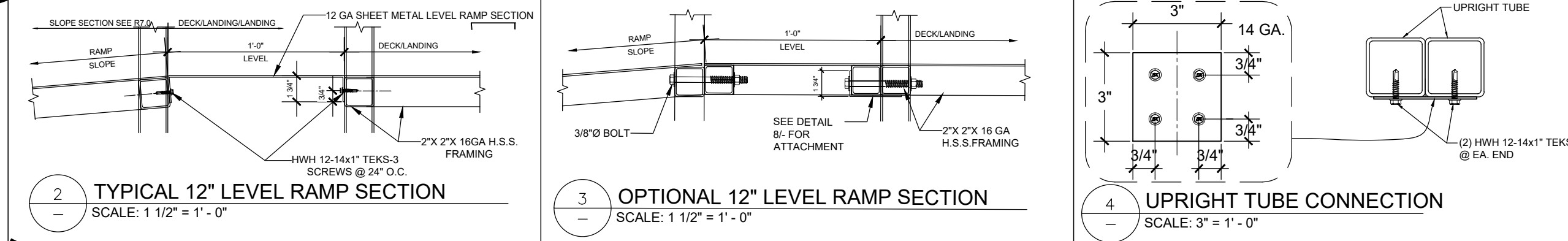
ARCHITECT OF RECORD

PRE-CHECK (PC) DOCUMENT
 CODE: 2022 CBC

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120787-PC
 REVIEWED FOR
 SS PLAN ACS CG
 DATE: 11/16/2023

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

MFR. STRUCTURAL ENGINEER OF RECORD ON PC



SHEET TITLE: RAMP AND LANDING DETAILS

NO.	REVISIONS

DRAWN BY: -
 SCALE: AS NOTED
 DATE: -

SHEET NUMBER
R0.2

EXAMPLE DSA 103

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC. Application Number: 02-120787, School Name: Ramp and Landings, School District: Global Modular INC, Date Created: 2023-09-18 09:01:02. Includes key to columns and test details.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC. Application Number: 02-120787, School Name: Ramp and Landings, School District: Global Modular INC, Date Created: 2023-09-18 09:01:02. Includes SIA1, SIA2, and SIA3 test details.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC. Application Number: 02-120787, School Name: Ramp and Landings, School District: Global Modular INC, Date Created: 2023-09-18 09:01:02. Includes SIA3 WELDING and SIA4 SHOP WELDING test details.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC. Application Number: 02-120787, School Name: Ramp and Landings, School District: Global Modular INC, Date Created: 2023-09-18 09:01:02. Includes SIA5 FIELD WELDING test details.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC. Application Number: 02-120787, School Name: Ramp and Landings, School District: Global Modular INC, Date Created: 2023-09-18 09:01:02. Includes SIA6 NONDESTRUCTIVE TESTING and SIA7 STEEL JOISTS AND TRUSSES test details.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC. Application Number: 02-120787, School Name: Ramp and Landings, School District: Global Modular INC, Date Created: 2023-09-18 09:01:02. Includes SIA8 SPRAYED FIRE-RESISTANT MATERIALS, SIA9 ANCHOR BOLTS AND ANCHOR RODS, and SIA10 STORAGE RACK SYSTEMS test details.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC. Application Number: 02-120787, School Name: Ramp and Landings, School District: Global Modular INC, Date Created: 2023-09-18 09:01:02. Includes SIA11 OTHER STEEL test details.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SIGNATURE), 2022 CBC. Application Number: 02-120787, School Name: Ramp and Landings, School District: Global Modular INC, Date Created: 2023-09-18 09:01:02. Includes signature and stamp fields.

DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022. Application Number: 02-120787, School Name: Ramp and Landings, School District: Global Modular INC, Date Created: 2023-09-18 09:01:02. Lists required reports for structural testing and shop welding.

GLOBAL MODULAR INCORPORATED logo and contact information for Northern California and Southern California divisions.

CONTRACTORS LICENSE #837357. MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD.

ARCHITECT OF RECORD. Name of Architect or Engineer in general responsible charge.

ARCHITECT OF RECORD. Signature of Architect or Structural Engineer.

IDENTIFICATION STAMP. APP: 02-120787, PC REVIEW FOR SS, FS, ACS, CG. DATE: 11/16/2023.

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MFR. STRUCTURAL ENGINEER OF RECORD ON PC. Professional Engineer Seal for Ryan J. Omer.

SHEET TITLE: DSA DOCUMENTS

REVISIONS table with columns for revision number and description.

DRAWN BY: SCALE: AS NOTED DATE:

SHEET NUMBER R0.8

KEY NOTES

REFER TO SHEET R0.1 FOR ALL KEYNOTE REFERENCES AND R0.2 FOR GENERAL NOTES

GENERAL RAMP/LANDING/STAIR NOTE

IF SPECIAL INSPECTIONS FOR STRUCTURAL WELDING FOR THE RAMP IS EXEMPTED BY THE DESIGN PROFESSIONAL ON THE FORM DSA 103, THE FOLLOWING CRITERIA SHALL BE MET:
 THE DESIGN PROFESSIONAL HAS EXEMPTED THIS RAMP FROM SPECIAL INSPECTION REQUIREMENTS FOR MATERIAL IDENTIFICATION AND STRUCTURAL WELDING. RAMP SHALL NOT BE MODIFIED OR HAVE SHIMS ADDED CAUSING THE DISTANCE BETWEEN THE HIGHEST RAMP WALKING SURFACE AND THE ADJACENT GRADE TO BE MORE THAN 30 INCHES. IF THIS CONDITION IS NOT MET, THE STRUCTURAL TESTING AND/OR INSPECTION WILL BE REQUIRED TO VERIFY MATERIALS AND STRUCTURAL WELDING. THIS APPLIES TO SCOPES OF WORK INCLUDING NEW CONSTRUCTION, ALTERATION, OR RELOCATION OF THE RAMP.

SYMBOL LEGEND

- LATERAL BRACING TYPICAL DETAIL- 10/R0.1
- KNEE BRACING TYPICAL DETAIL- 17/R0.1

GLOBAL MODULAR
 Incorporated

AURORA MODTECH
 DESIGN

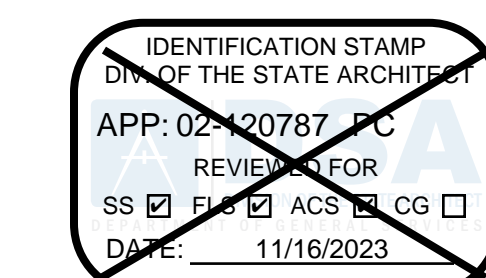
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 SOUTHERN CALIFORNIA DIVISON 1860 CHICAGO AVE., SUITE 1-7 RIVERSIDE, CA 92507
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ARCHITECT OF RECORD

PRE-CHECK (PC) DOCUMENT
 CODE: 2022 CBC



A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

MFR. STRUCTURAL ENGINEER OF RECORD ON PC



SHEET TITLE:
RAMP AND LANDING PLAN (FREE STANDING ASSEMBLY)

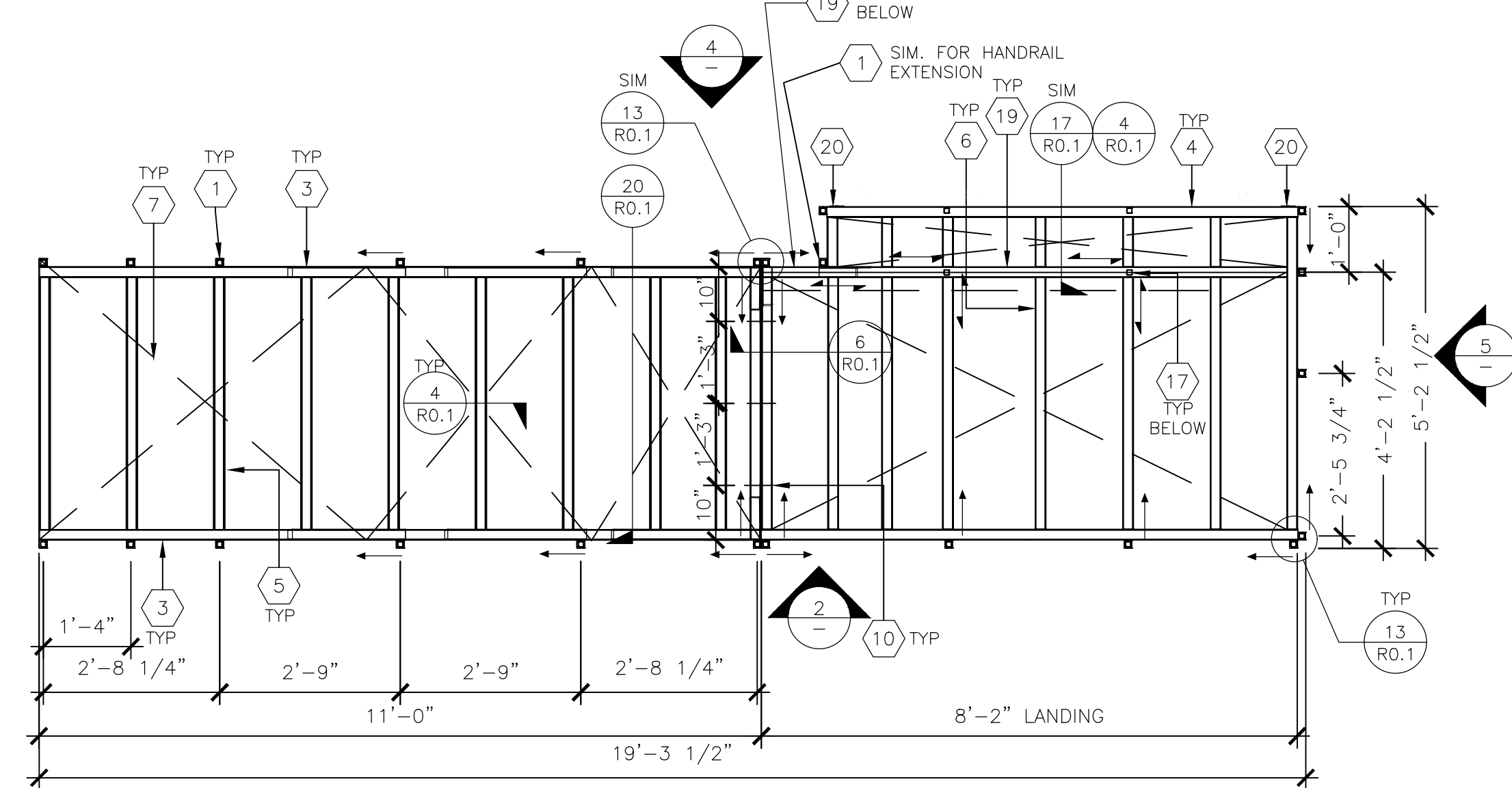
REVISIONS

DRAWN BY: -
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 DATE: -

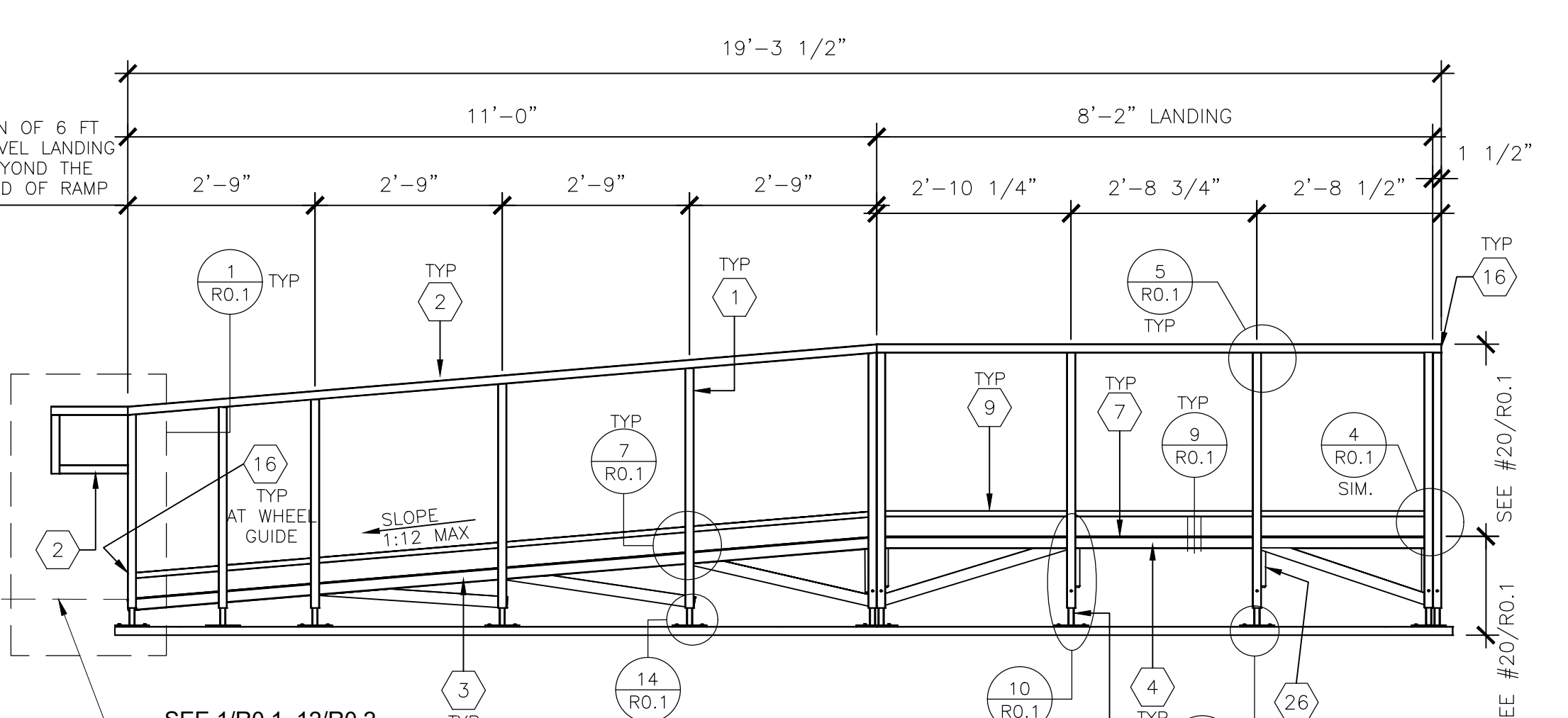
SHEET NUMBER

R2.0

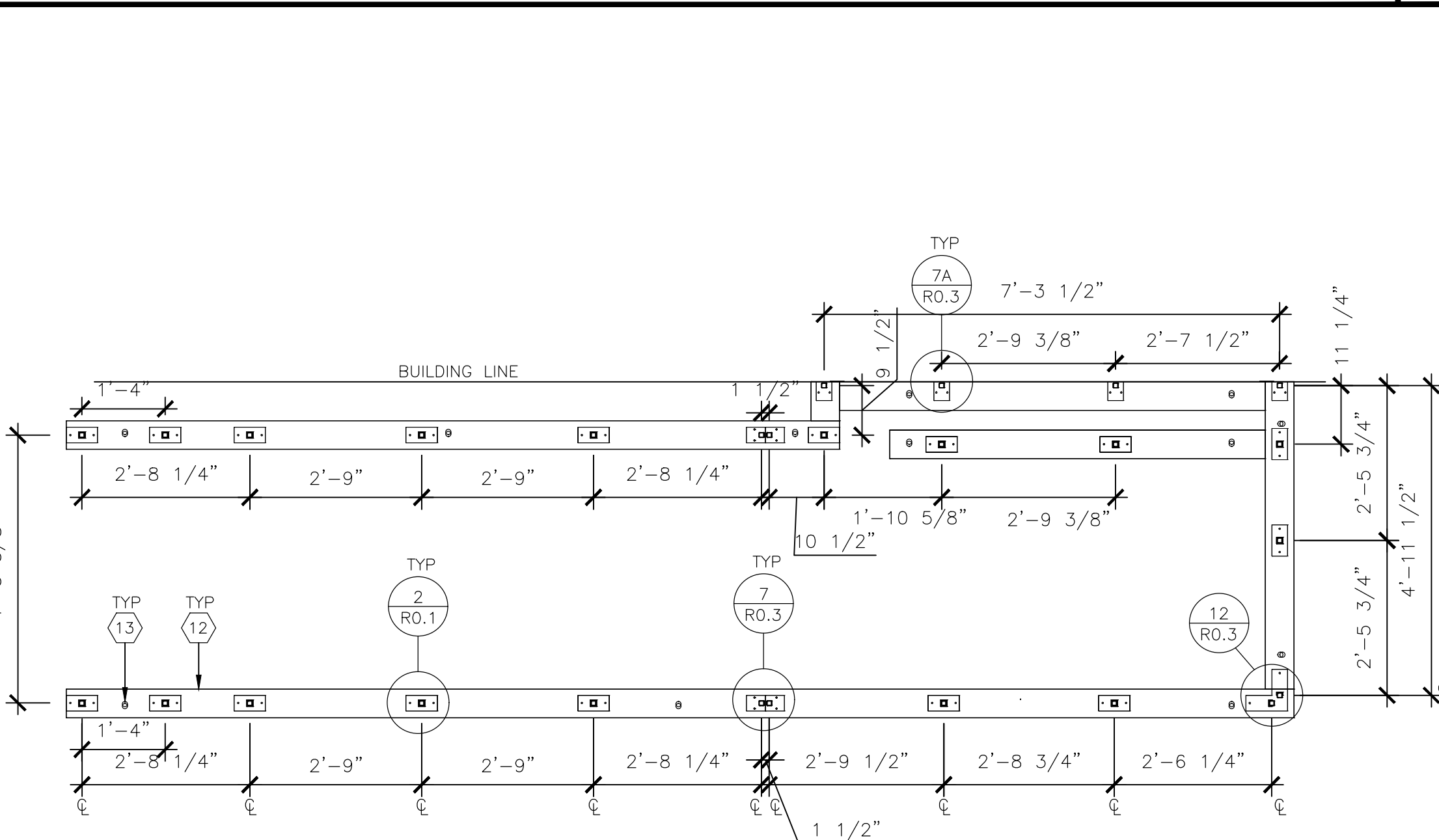
NOTE:
 HAZARDARY RAMP OR LANDING SECTIONS CAN BE ADDED AS NECESSARY TO MEET SITE REQUIREMENTS



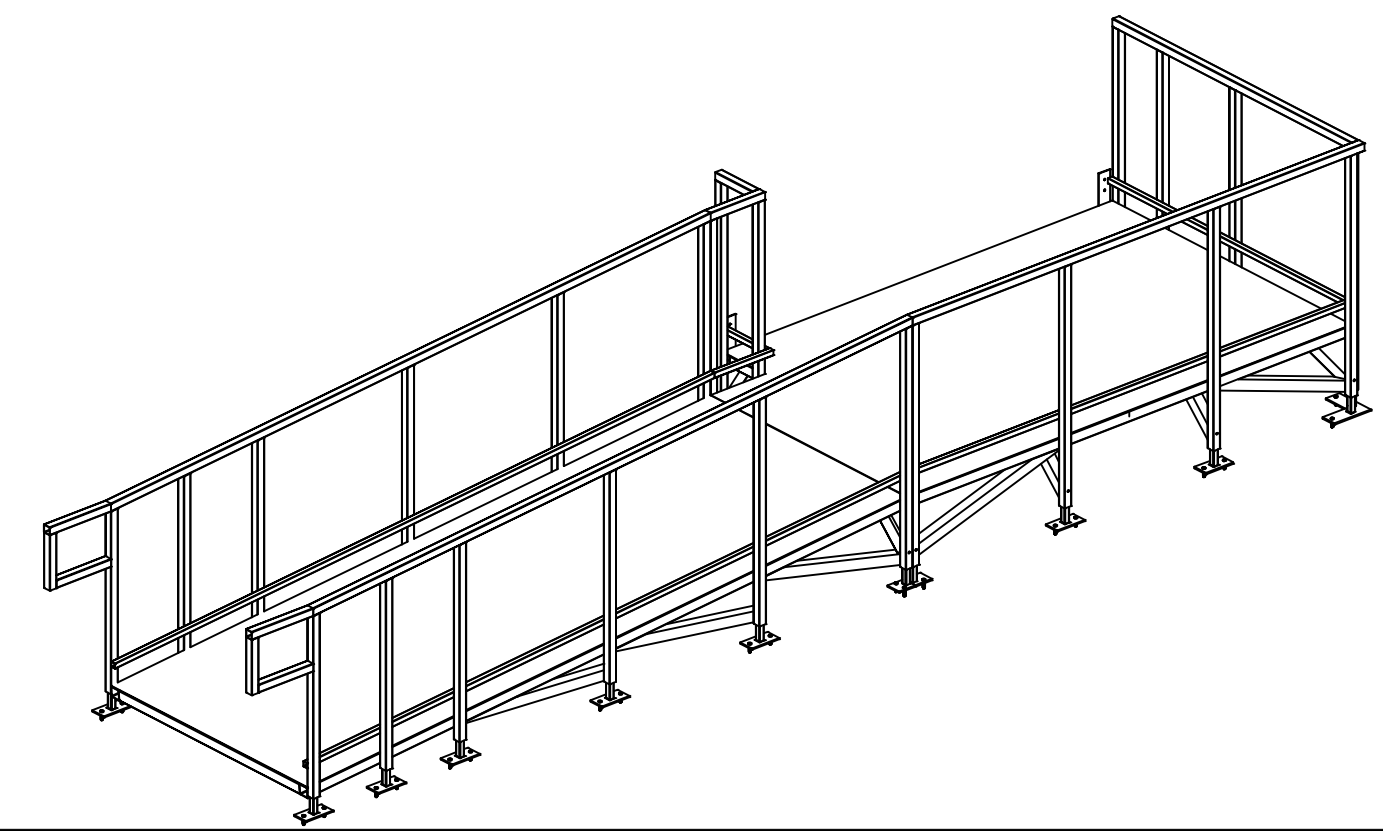
FRAMING PLAN
 SCALE: 1/2" = 1'-0"



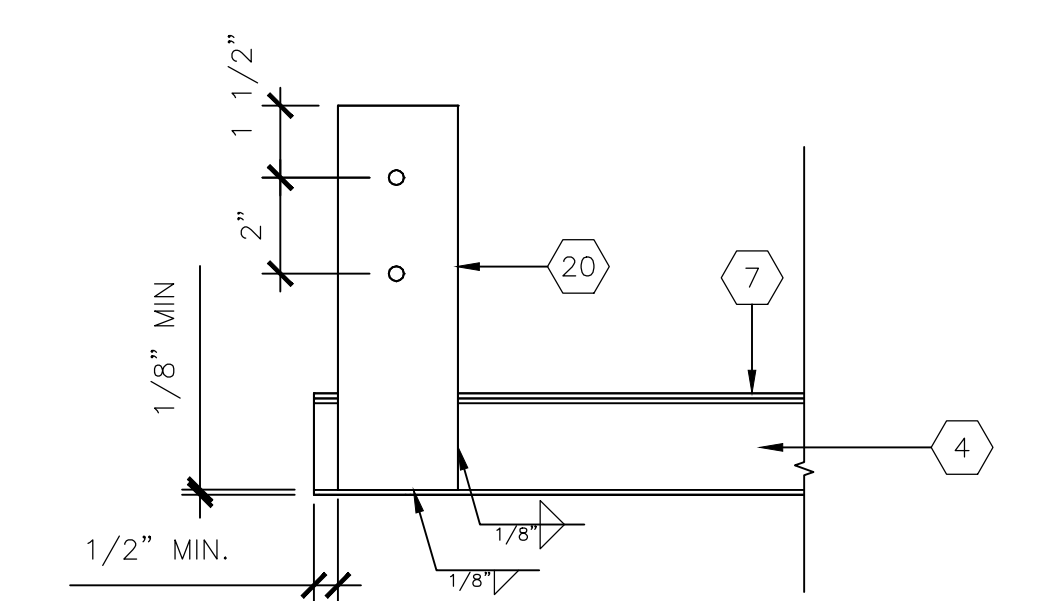
ELEVATION
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SILL PLATE AT RAMP AND LANDING
 SCALE: 1/2" = 1'-0"

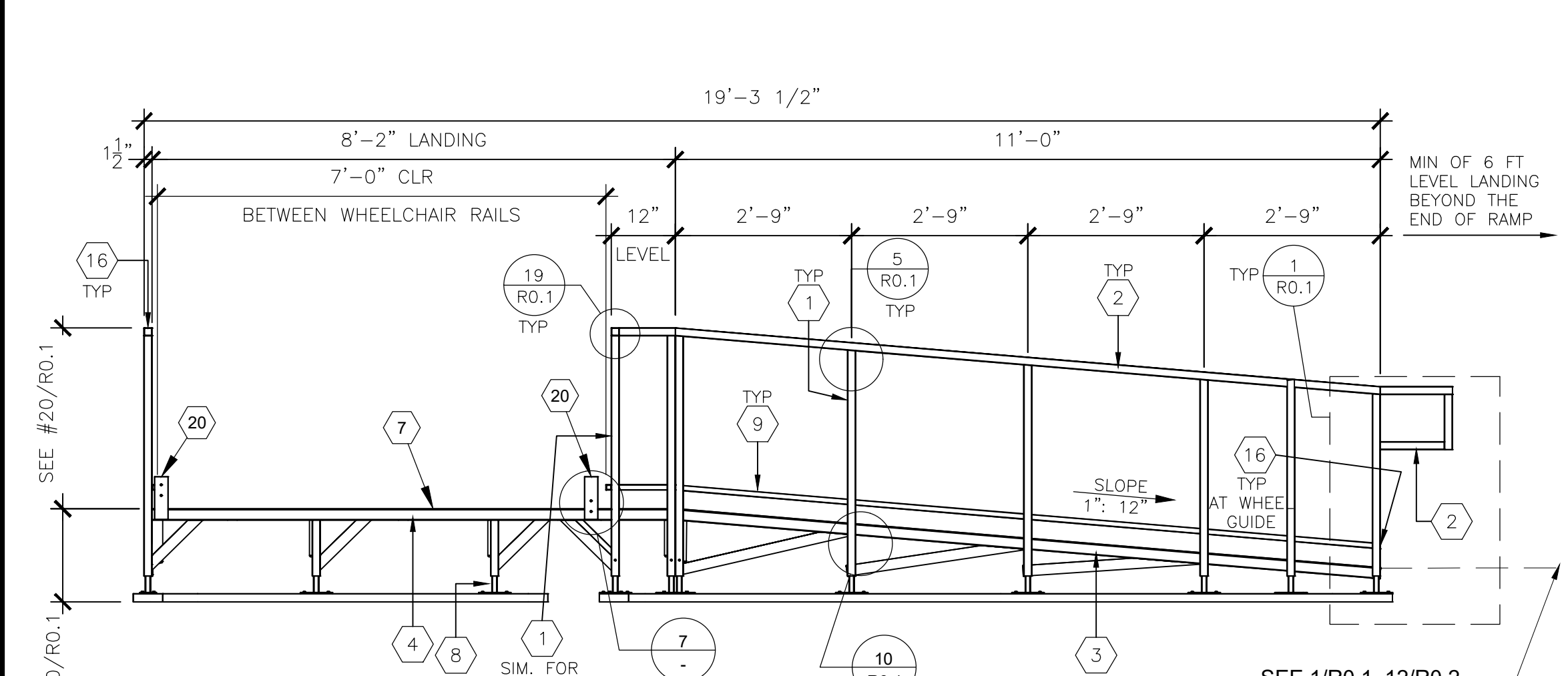


9



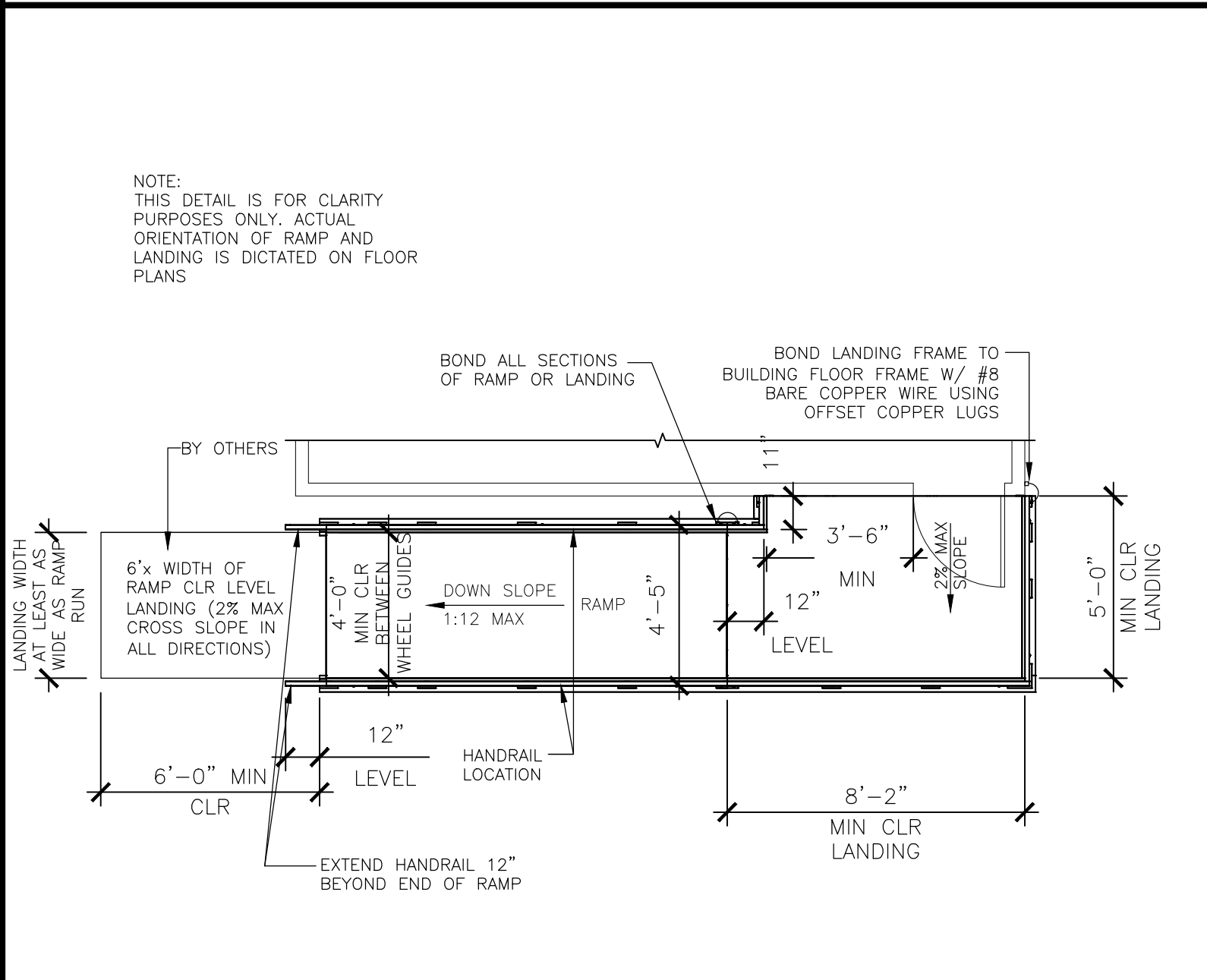
STEEL TAB AT LANDINGS
 SCALE: 3" = 1'-0"

7



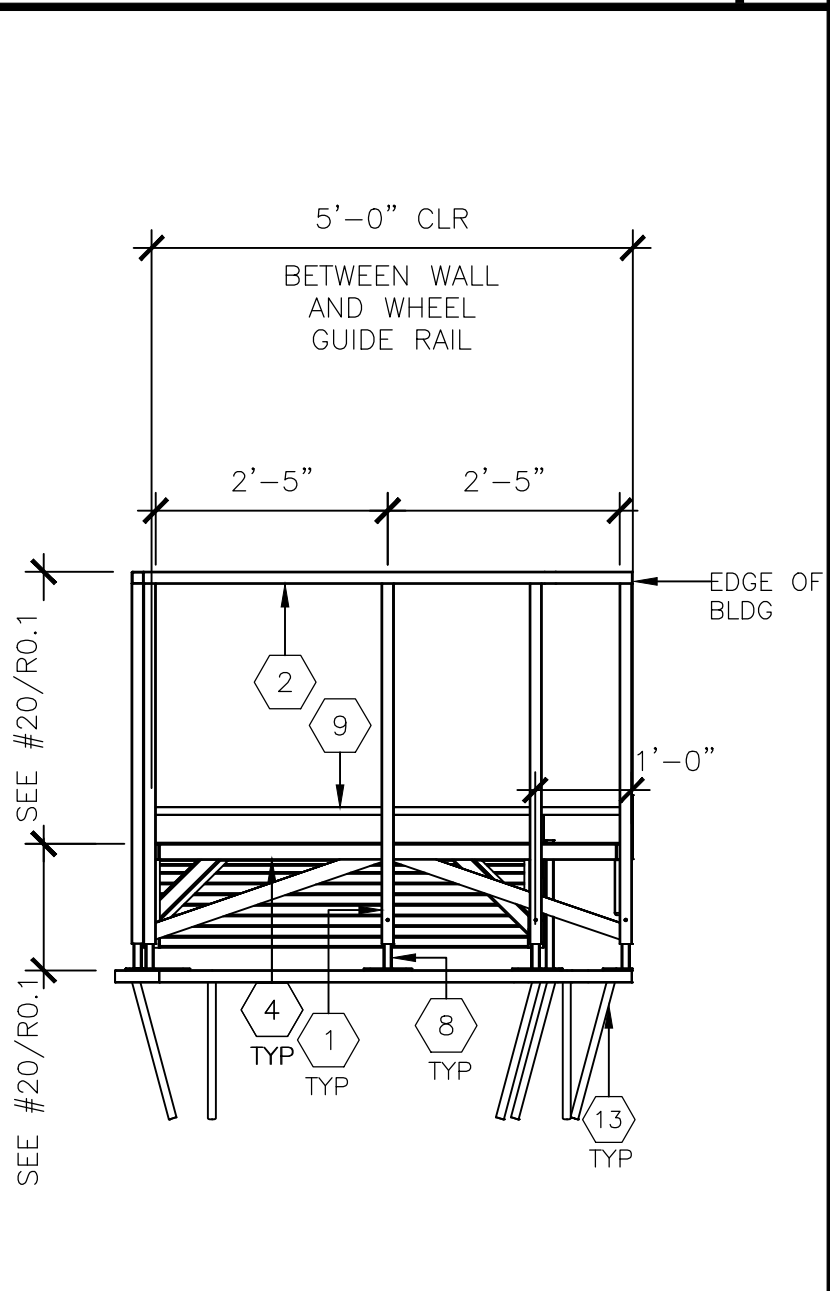
ELEVATION
 SCALE: 1/2" = 1'-0"

4



RAMP AND LANDING PLAN VIEW
 SCALE: 1/4" = 1'-0"

6



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

5

1

2

3

