

AT
DONN B. CHENOWETH ELEMENTARY SCHOOL
FOR
MERCED CITY SCHOOL DISTRICT BID

[illegible]

GENERAL NOTES

PROJECT DIRECTORY



GENERAL

G000 COVER

ARCHITECTURAL

A100 OVERALL SITE PLAN
A100F FIRE AUTHORITY SITE PLAN
A101 ENLARGED SITE PLAN
A110 SITE DETAILS

ELECTRICAL

E100 ELECTRICAL SITE PLAN
E200 ENLARGED POWER PLAN
E400 ENLARGED SIGNAL PLAN
E500 ENLARGED FIRE ALARM PLAN
E600 ELECTRICAL DETAILS
E700 SINGLE LINE DIAGRAM
E710 FIRE ALARM RISER DIAGRAM & CALCULATIONS
E800 ELECTRICAL SCHEDULES, LEGENDS, AND NOTES

STOCKPILE RELOCATABLE (#02-103457)

TS-1 TITLE SHEET
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SHET INDEX



OVERALL SITE PLAN



1" = 40'-0"

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KEYNOTES

- 2.01 EXISTING AC PAVED PARKING AREA, TYP.
2.02 EXISTING CONCRETE PAVING/WALK
2.03 EXISTING ACCESSIBLE PARKING STALLS, AISLE & PATH OF TRAVEL (DSA #02-114204)
2.04 EXISTING CHAIN LINK FENCE
2.06 EXISTING TURF AREA TO REMAIN, TYP.
2.08 EXISTING FIRE HYDRANT
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2.12 EXISTING ACCESSIBLE PARKING LOT ENTRANCE SIGN (DSA #02-114604)
2.13 EXISTING PEDESTRIAN EGRESS GATE W/ EXIT DEVICE (DSA #02-105464)
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32.02 PATCH AC PAVING TO MATCH EXISTING
32.12 PATCH CONCRETE PAVING TO MATCH EXISTING
32.81 AREA OF LANDSCAPE REPAIR, SEE GENERAL NOTE REGARDING "UTILITY TRENCH REPAIR" FOR PATCH BACK AND REPAIR/RESTORATION REQUIREMENTS.
33.01 APPROXIMATE LOCATION OF UTILITY TRENCHING, COORDINATE WITH ELECTRICAL. SEE GENERAL NOTE REGARDING "UTILITY TRENCH REPAIR" FOR PATCH BACK AND REPAIR/RESTORATION REQUIREMENTS.

LEGEND

- PROPOSED RELOCATABLE BUILDING
- (E) PROPERTY LINE
- (B)* IDENTIFICATION
(B) - BOYS - STUDENT; (G) - GIRLS - STUDENT; (U) - UNISEX - STAFF
- (DF)* IDENTIFICATION
(DF) - DRINKING FOUNTAIN
- (B)** IDENTIFICATION
(B) - BOYS - STUDENT; (G) - GIRLS - STUDENT; (U) - UNISEX - STAFF
- (DF)** IDENTIFICATION
(DF) - DRINKING FOUNTAIN
- ACCESSIBLE ROUTE
(2022 C.B.C. SECTION 11B - 206)

THE ACCESSIBLE ROUTE IS A CONTINUOUS UNOBSTRUCTED PATH CONNECTING ACCESSIBLE ELEMENTS AND SPACES OF AN ACCESSIBLE SITE, BUILDING OR FACILITY THAT CAN BE NEGOTIATED BY A PERSON WITH A DISABILITY USING A WHEELCHAIR, AND THAT IS ALSO SAFE FOR AND USABLE BY PERSONS WITH OTHER DISABILITIES. ACCESSIBLE ROUTES SHALL COMPLY WITH CBC 11B-402. IN GENERAL, EXTERIOR ACCESSIBLE ROUTES SHALL COMPLY WITH THE FOLLOWING: SHALL BE STABLE, FIRM, AND SLIP RESISTANT; HAVE A 1:20 MAXIMUM RUNNING SLOPE FOR WALKS; HAVE A 1:12 MAXIMUM SLOPE FOR RAMPS AND CURB RAMPS; HAVE A 1/4:12 MAXIMUM CROSS SLOPE; HAVE A 48" MINIMUM WIDTH; HAVE NO VERTICAL OFFSETS GREATER THAN 1/4"; OFFSETS BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NOT EXCEEDING 1V/2H; HAVE NO OPENINGS ALLOWING THE PASSAGE OF A 1/2" DIAMETER SPHERE; ELONGATED OPENINGS SHALL BE PERPENDICULAR TO THE DIRECTION OF TRAVEL; HAVE A MINIMUM 6" HIGH CURB OR GUARDRAIL AT EDGES WHERE THE DROP OFF EXCEEDS 4" EXCEPT WHERE ADJACENT TO VEHICULAR WAYS; BE FREE OF ELEMENTS PROJECTING MORE THAN 4" FROM WALLS BETWEEN 27" AND 80" ABOVE THE WALKING SURFACE; AND HAVE 80" MINIMUM VERTICAL CLEARANCE.

DESIGN PROFESSIONAL IN CHARGE STATEMENT:

- THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS.
- AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.
- ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.
- DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY WILL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

GENERAL NOTES - SITE PLAN

- A. THE CONTRACTOR SHALL ACCEPT THE SITE IN ITS PRESENT CONDITION & DEMOLISH AND/OR REMOVE FROM THE AREA OF THE PROJECT ALL STRUCTURES, BOTH SURFACE & SUBSURFACE, TREES, BRUSH, ROOTS, DEBRIS, ORGANIC MATTER, & ALL OTHER MATTER DETERMINED BY THE INSPECTOR TO BE DELETERIOUS. SUCH MATERIAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
- B. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED & SHEETED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE & SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. WHERE THE EXCAVATION FOR A CONDUIT, TRENCH, AND/OR STRUCTURE IS FIVE FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, WHICH SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL ALWAYS COMPLY WITH OSHA REQUIREMENTS.
- C. EXISTING UNDERGROUND UTILITIES & IMPROVEMENTS ARE SHOWN IN THEIR APPROX. LOCATIONS BASED UPON RECORD INFO. AVAILABLE TO THE ARCHITECT AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD & NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFO. SHOWN. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 2 WORKING DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES. CALL UNDERGROUND SERVICE ALERT (U.S.A.), 1-800-642-2444.
- D. REFER TO ELECTRICAL FOR UTILITY INFORMATION. CONTRACTOR TO COORDINATE ALL TRADES TO MAINTAIN PROPER CLEARANCES & AVOID CONFLICTS.
- E. **UTILITY TRENCH REPAIR:** CONTRACTOR IS TO REPAIR EXISTING GRADING, LANDSCAPE AND IRRIGATION IMPROVEMENTS THAT ARE DAMAGED OR DISTURBED AS A RESULT OF SITE UTILITIES BEING INSTALLED. CONTRACTOR IS TO REPAIR ALL DAMAGE TO EXISTING IMPROVEMENTS AS REQUIRED. CONTRACTOR IS TO COORDINATE WORK WITH UTILITY CONTRACTORS AND IS TO POT HOLE AND FIELD LOCATE IMPROVEMENTS TO PREVENT DAMAGE TO EXISTING ELECTRICAL, TELECOMMUNICATIONS, FIRE ALARM, AND/OR IRRIGATION IMPROVEMENTS. CONTRACTOR IS TO REPAIR AND RESTORE DAMAGED LANDSCAPE AND IRRIGATION IMPROVEMENTS TO THE PRE-PROJECT CONDITION. SEE ELECTRICAL DRAWINGS SITE COMPLETE UTILITY TRENCH ROUTING. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING UTILITY TRENCH WORK.

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MARK	DATE	DESCRIPTION
A	6/2/25	BID DOCUMENTS



TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED



DONN B. CHENOWETH ELEMENTARY SCHOOL
TEMP. INSTALLATION OF
STOCKPILE CLASSROOM BLDG.
MERCED CITY SCHOOL DISTRICT, MERCED, CA
DRAWING TITLE
OVERALL SITE PLAN

PROJECT NO.
25-13267

DRAWING
A100



SITE PLAN - FIRE AUTHORITY

1" = 40'-0"

12



810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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 1-3 below is to be provided for all project types indicated above. Information associated with items 4-7 is to be completed when an alternate means is utilized. Acknowledgment by the school district and signature from the local fire authority (LFA) is only required when an alternate design means is being requested.

Page 1 of the completed form must be imaged onto the fire access site plan. When an alternate design/means is proposed, completed pages 1 and 2 are to be imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and [DSA Policy 09-01](#).

PROJECT INFORMATION			
School District/Owner:			
Project Name/School:			
Project Address:			
FIRE & LIFE SAFETY INFORMATION			
1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes ☐	No ☐	
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☐	No ☐	
3. Is the project located within a designated fire hazard severity zone as established by Cal-Fire? (If yes, indicate fire hazard zone classification below)	Yes ☐	No ☐	
Refer to the following for fire hazard zone locations: www.fire.ca.gov/fire-prevention/fire-prevention-wildland-zones-maps			
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)	Moderate ☐	High ☐	Very High ☐
WIFA ☐			
CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED	
		Yes	No
4. Emergency vehicle access roadways do not meet CFC requirements.			
4a. Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.			
5. Fire Hydrants: Number and spacing does not meet CFC requirements.			
5a. Acceptable Alternate: Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.			
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.			
6a. Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.			
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			
7a. Acceptable Alternate: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.			

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DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

School District Acceptance of Acceptable Design Alternates

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

Accepted by: _____ Title: _____

Signature: _____ Date: _____

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

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KEYNOTES 00.00

- 2.08 EXISTING FIRE HYDRANT
- 2.09 EXISTING FENCING
- 2.13 EXISTING PEDESTRIAN EGRESS GATE W/ EXIT DEVICE (DSA #02-105464)

LEGEND

- PROPOSED RELOCATABLE BUILDING
- (E) PROPERTY LINE
- PATH OF EMERGENCY EGRESS
- ACCESSIBLE ROUTE (2022 C.B.C. SECTION 11B - 206)
- 20' - 0" WIDE FIRE LANE

BUILDING CODE ANALYSIS

BUILDING ANALYSIS

- RELOCATABLE BUILDING
- A. OCCUPANCY CLASSIFICATION(S) (CBC SECTION 302):
- E, EDUCATION
- B. CONSTRUCTION TYPE (CBC 602): TYPE VB, NON-SPRINKLERED
- C. HEIGHT IN FEET:
- ALLOWABLE (CBC TABLE 504.3): 60 FEET (WITHOUT AREA INCREASE FOR 'E' OCCUPANCIES)
 - ACTUAL: 18 FEET
- D. HEIGHT IN STORIES:
- ALLOWABLE (CBC TABLE 504.4): 2 STORIES WITHOUT AREA INCREASE FOR 'E' OCCUPANCIES)
 - ACTUAL: 1 STORY
- E. SEPARATION OF OCCUPANCIES (CBC SECTION 508.4)
- NONE REQUIRED, BUILDING DESIGNED WITH NON-SEPARATED OCCUPANCIES AS ALLOWED BY CBC SECTION 508.3 WITH 'E' OCCUPANCY BEING THE MOST RESTRICTIVE ALLOWABLE AREA FACTOR.
- F. AREA:
- ALLOWABLE AREA (CBC 506)
 - (ALLOWABLE AREA BASED ON NON-SEPARATED OCCUPANCIES PER CBC 508.3 WITH 'E' OCCUPANCY BEING THE MOST RESTRICTIVE, AND TYPE OF CONSTRUCTION INDICATED ABOVE)
 - SINGLE OCCUPANCY ONE STORY BUILDING (CBC 506.2.1)
 - $A_a = A_t + (NS \times If) = 9,500 + (9,500 \times 0.75) = 16,625 \text{ SF}$
 - $A_t = 9,500 \text{ SF}$
 - $NS = 9,500 \text{ SF}$
 - $If = 0.75 \text{ (CBC 506.3, BASED ON MINIMUM 30 FT YARDS 75% AROUND)}$
 - ACTUAL AREA:
 - BUILDINGS TP-1, TP-2 (2) RELOCATABLES (960 SF EA.): 1,920 SF
 - OVERHANGS (180 SF EA.): 360 SF
 - SUB-TOTAL: 2,320 SF
 - BUILDINGS P23 thru P31 (11) RELOCATABLES (960 SF EA.): 10,560 SF
 - OVERHANGS (180 SF EA.): 1,980 SF
 - SUB-TOTAL: 12,540 SF
 - TOTAL: 14,860 SF

OCCUPANT LOAD FACTORS

PER 2022 CALIFORNIA BUILDING CODE TABLE 1004.5
A. EDUCATIONAL (CLASSROOMS): 20 SF/OCC NET

TOTAL BUILDING OCCUPANT LOAD: 960 SF / 20 SF/OCC. = 48 OCCUPANTS

EGRESS

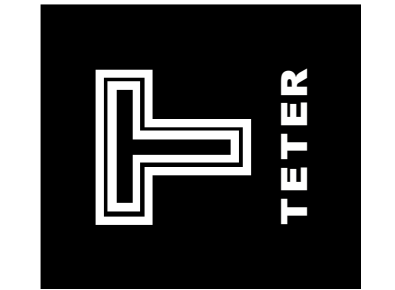
- A. COMMON PATH OF EGRESS TRAVEL (CBC TABLE 1006.2.1): 75' -0" MAX. FOR 'A' AND 'E' OCCUPANCIES
- B. EXIT ACCESS TRAVEL DISTANCE (CBC SECTION 1017 & TABLE 1017.2): 250' -0" MAX. FOR 'A', 'E' AND 'S-I' OCCUPANCIES.
- C. NUMBER OF EXITS AND EXIT ACCESS DOORWAYS, CBC SECTION 1006 & TABLES 1006.2.1, 1006.3.2, AND 1006.3.3(2)
- MINIMUM 2 EXITS/ACCESS TO EXITS REQUIRED FOR OCCUPANT LOADS OF 1 TO 500; 1 EXIT ALLOWED FOR:
 - 'A' AND 'E' OCCUPANCIES WITH A MAXIMUM OCCUPANT LOAD OF 49 AND A MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE OF 75'.

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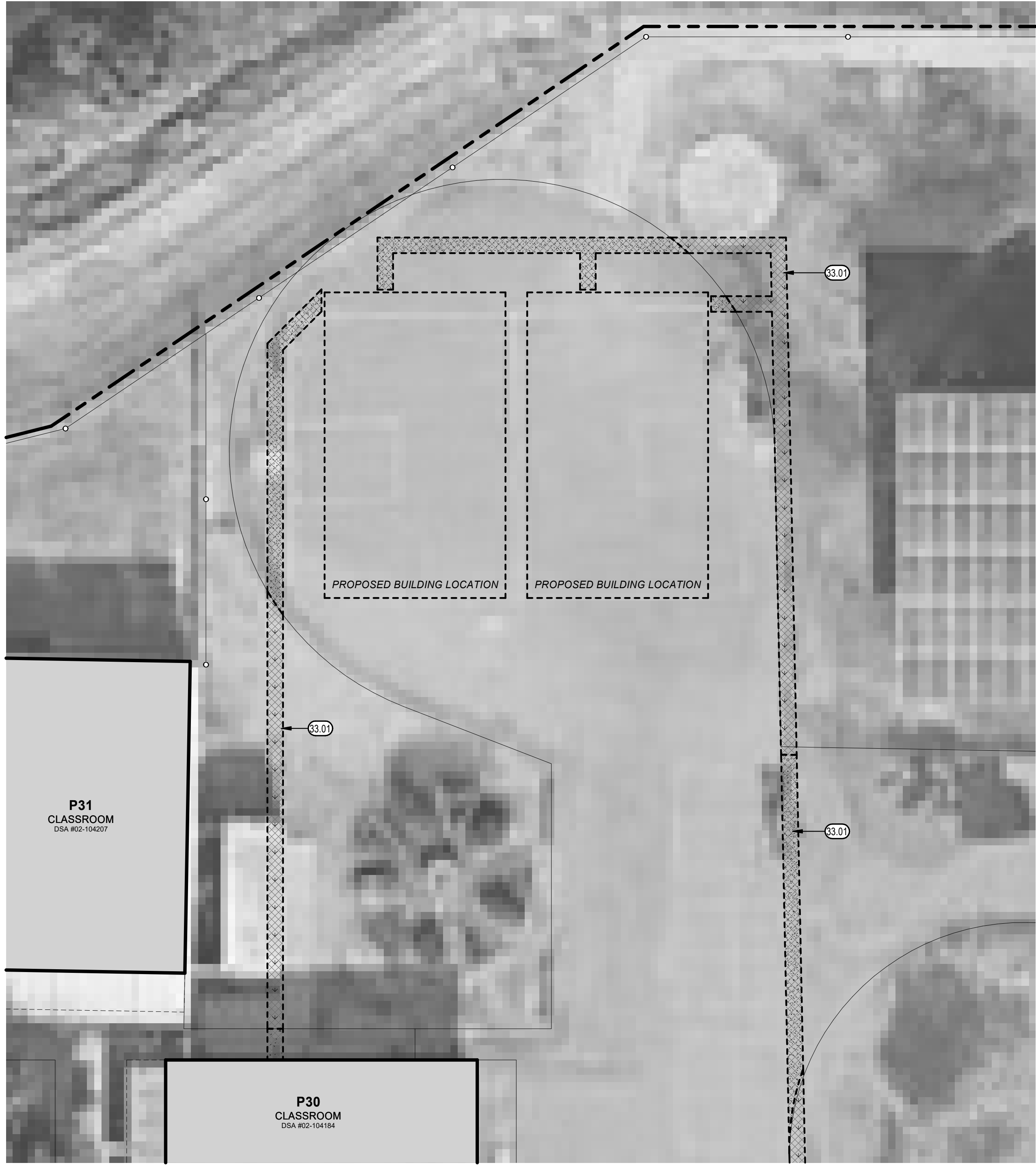
DONN B. CHENOWETH ELEMENTARY SCHOOL
TEMP. INSTALLATION OF
STOCKPILE CLASSROOM BLDG.
MERCED CITY SCHOOL DISTRICT, MERCED, CA
DRAWING TITLE
FIRE AUTHORITY SITE PLAN

PROJECT NO.

25-13267

DRAWING

A100F



ENLARGED SITE - DEMOLITION

1" = 10'-0"

11

GENERAL NOTES

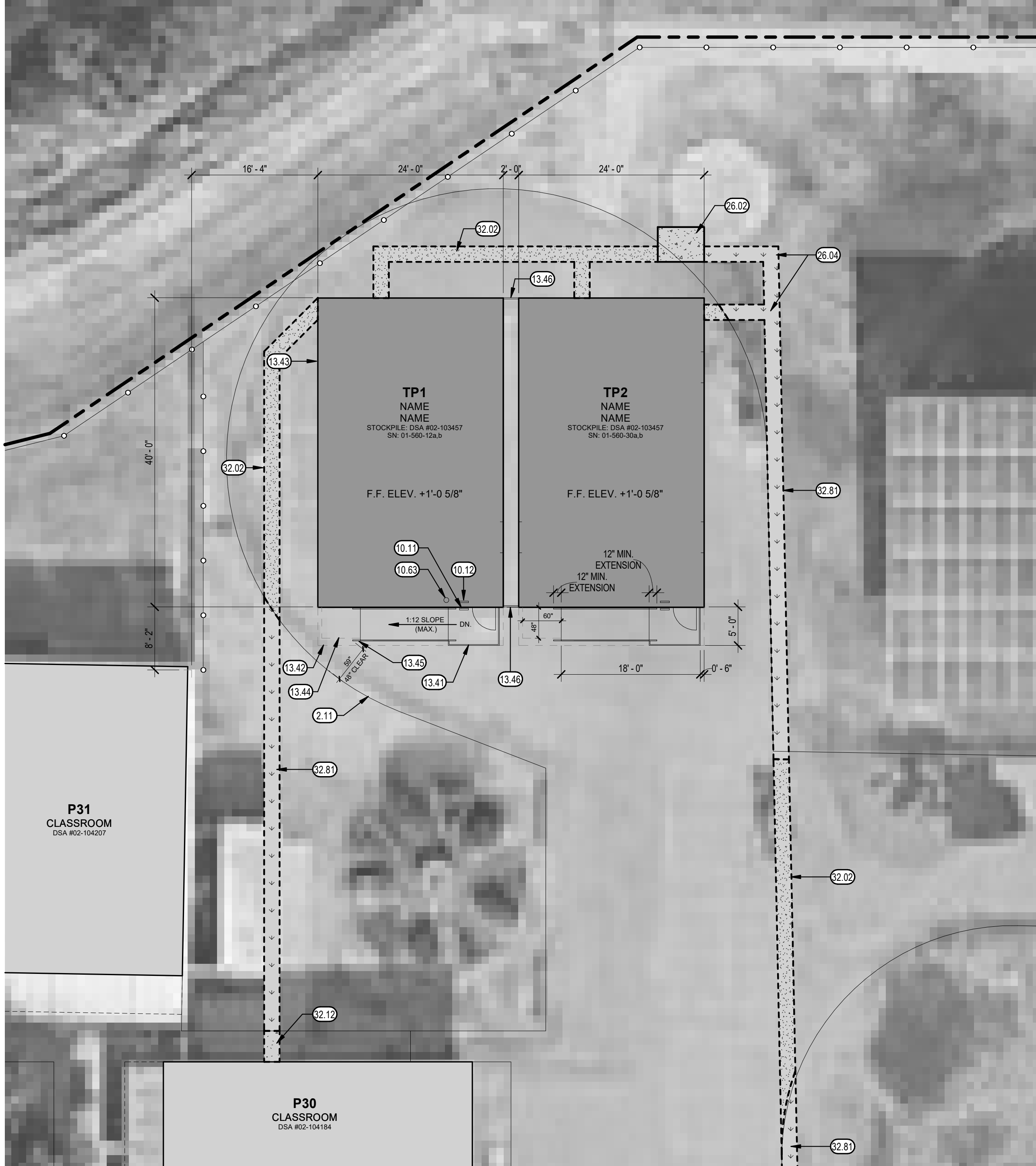
- A. KEYNOTES APPLY TO THIS SHEET ONLY.
- B. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. SCOPE MAY AFFECT AREAS NOT NOTED IN ARCHITECTURAL DRAWINGS.
- C. **UTILITY TRENCH REPAIR:** CONTRACTOR IS TO REPAIR EXISTING GRADING, LANDSCAPE AND IRRIGATION IMPROVEMENTS THAT ARE DAMAGED OR DISTURBED AS A RESULT OF SITE UTILITIES BEING INSTALLED. CONTRACTOR IS TO REPAIR ALL DAMAGE TO EXISTING IMPROVEMENTS AS REQUIRED. CONTRACTOR IS TO COORDINATE WORK WITH UTILITY CONTRACTORS AND IS TO POT HOLE AND FIELD LOCATE IMPROVEMENTS TO PREVENT DAMAGE TO EXISTING ELECTRICAL, TELECOMMUNICATIONS, FIRE ALARM, AND/OR IRRIGATION IMPROVEMENTS. CONTRACTOR IS TO REPAIR AND RESTORE DAMAGED LANDSCAPE AND IRRIGATION IMPROVEMENTS TO THE PRE-PROJECT CONDITION. SEE ELECTRICAL DRAWINGS SITE COMPLETE UTILITY TRENCH ROUTING. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING UTILITY TRENCH WORK.

LEGEND

- PROPOSED RELOCATABLE BUILDING
- APPROXIMATE LOCATION OF UTILITY TRENCHING, COORDINATE W/ ELECTRICAL
- APPROXIMATE LOCATION OF UTILITY TRENCHING PATCH BACK & REPAIR, SEE **GENERAL NOTE C**. COORDINATE W/ ELECTRICAL

KEYNOTES

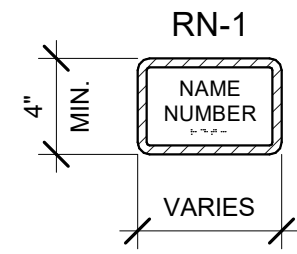
- 2.11 EXISTING A.C. PAVING TO REMAIN, TYP.
- 10.11 ROOM SIGNAGE (RN-1), SEE 11 / A110
- 10.12 TACTILE EXIT SIGNAGE (TE-1), SEE 11 / A110
- 10.63 FIRE EXTINGUISHER, BRACKET MOUNTED
- 13.41 PRE-MANUFACTURED RAMP AND LANDING, HANDRAIL/ GUARDRAIL SYSTEM. SEE RELOCATABLE MANUFACTURER DRAWINGS.
- 13.42 RELOCATABLE OVERHANG (SHOWN DASHED), TYP.
- 13.43 RELOCATABLE VENT LOCATIONS, TYP. SEE MANUFACTURER DRAWINGS.
- 13.44 LEVEL LANDING (6'-0" X WIDTH OF RAMP); 2% SLOPE IN BOTH DIRECTIONS
- 13.45 FOR HANDRAIL EXTENSIONS, SEE 3 / A110
- 13.46 PROVIDE CLOSURE PANEL BETWEEN RELOCATABLES, SEE 4 / A110
- 26.02 PROPOSED TRANSFORMER W/ CONCRETE HOUSEKEEPING PAD, SEE ELECTRICAL & DETAIL 3 / E600
- 26.04 PULL BOX, SEE ELECTRICAL
- 32.02 PATCH AC PAVING TO MATCH EXISTING
- 32.12 PATCH CONCRETE PAVING TO MATCH EXISTING
- 32.81 AREA OF LANDSCAPE REPAIR, SEE GENERAL NOTE REGARDING "UTILITY TRENCH REPAIR" FOR PATCH BACK AND REPAIR/RESTORATION REQUIREMENTS.
- 33.01 APPROXIMATE TRENCHING, COORDINATE WITH ELECTRICAL. SEE GENERAL NOTE REGARDING "UTILITY TRENCH REPAIR" FOR PATCH BACK AND REPAIR/RESTORATION REQUIREMENTS.





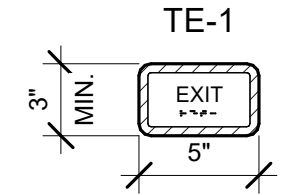
WALL MOUNTED IDENTIFICATION SIGNAGE @ FUNCTIONAL ROOMS (RN)

COORDINATE ROOM NAME AND NUMBER WITH OWNER PRIOR TO FABRICATION. DO NOT USE IDENTIFICATION FOUND ON THE DRAWINGS, U.N.O.

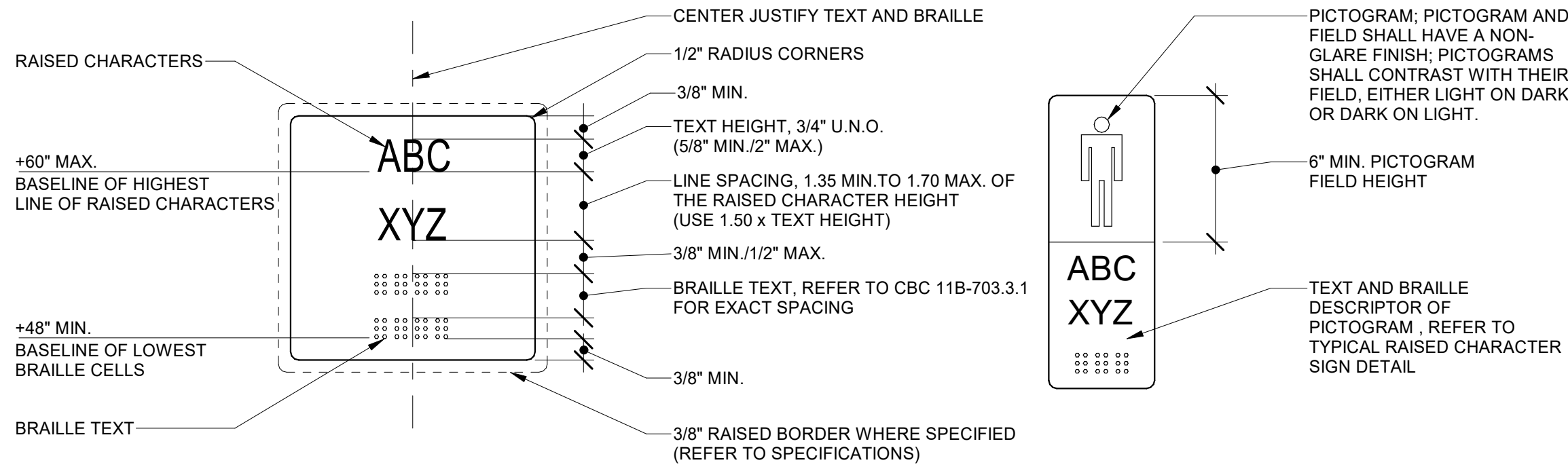
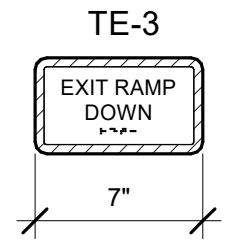


WALL MOUNTED TACTILE EXIT SIGN (TE)

1. EXIT DOOR LEADS DIRECTLY TO GRADE LEVEL EXTERIOR EXIT, SIGN TO STATE: "EXIT"

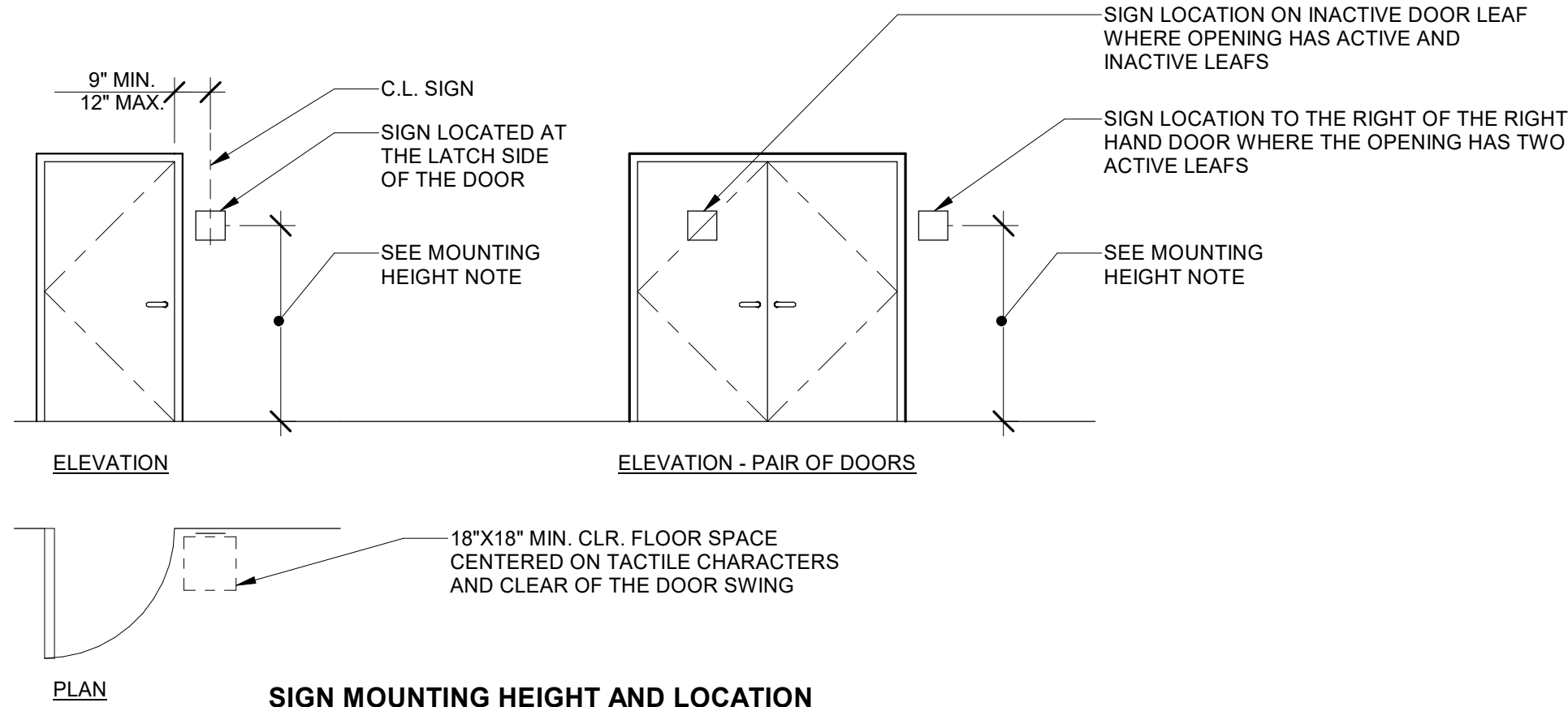


2. EXIT DOOR LEADS DIRECTLY TO GRADE LEVEL EXTERIOR EXIT BY MEANS OF RAMP OR STAIR, SIGN TO STATE: "EXIT RAMP DOWN", "EXIT STAIR DOWN", "EXIT RAMP UP", AND "EXIT STAIR UP".



TYPICAL ROOM IDENTIFICATION OR TACTILE EXIT SIGN

SIGN WITH PICTOGRAM



NOTES:

GENERAL: SIGNAGE SHALL COMPLY WITH CBC SECTION 11B-703, RAISED CHARACTER SIGNS SHALL COMPLY WITH CBC 11B-703.2, 11B-703.3 AND 11B-703.4

RAISED CHARACTERS (CBC 11B-703.2): RAISED CHARACTERS (TEXT) SHALL COMPLY WITH CBC SECTION 11B-703.2 AND SHALL BE DUPLICATED IN BRAILLE. RAISED CHARACTERS SHALL BE UPPER CASE AND BE RAISED 1/32-INCH MINIMUM ABOVE THEIR BACKGROUND. CHARACTERS SHALL BE SANS SERIF AND NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OTHER UNUSUAL FORMS. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8-INCH MINIMUM AND 2 INCHES MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER. TEXT SHALL BE IN A HORIZONTAL FORMAT. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

BRAILLE (CBC 11B-703.3): BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH CBC SECTIONS 11B-703.3. BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH CBC TABLE 703.3.1. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, CENTER JUSTIFIED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH MINIMUM AND 1/2 INCH MAXIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH MINIMUM AND FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

MOUNTING HEIGHT (CBC 11B-703.4.1): TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FORM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS.

LOCATION (CBC 11B-703.4.2): SIGNS SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. WHERE PROVIDED, SIGNS IDENTIFYING PERMANENT ROOMS AND SPACES SHALL BE LOCATED AT THE ENTRANCE TO, AND OUTSIDE OF THE ROOM OR SPACE. WHERE PROVIDED, SIGNS IDENTIFYING EXITS SHALL BE LOCATED AT THE EXIT DOOR WHEN APPROACHED IN THE DIRECTION OF EGRESS TRAVEL.

PICTOGRAMS (CBC 11B-703.6): PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD. PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD. PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD AND BRAILLE TRANSLATION BELOW TEXT DESCRIPTION, TEXT DESCRIPTORS SHALL COMPLY WITH CBC SECTIONS 11B-703.2, 11B-703.3, AND 11B-703.4.1.

TYPICAL ROOM IDENTIFICATION & TACTILE SIGNAGE

1 1/2" = 1'-0"

11

RAMP EXTENSION

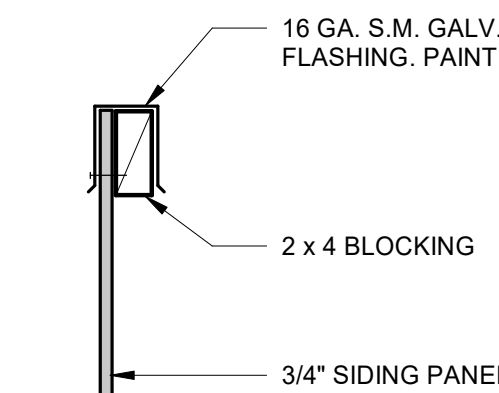
3" = 1'-0"

7

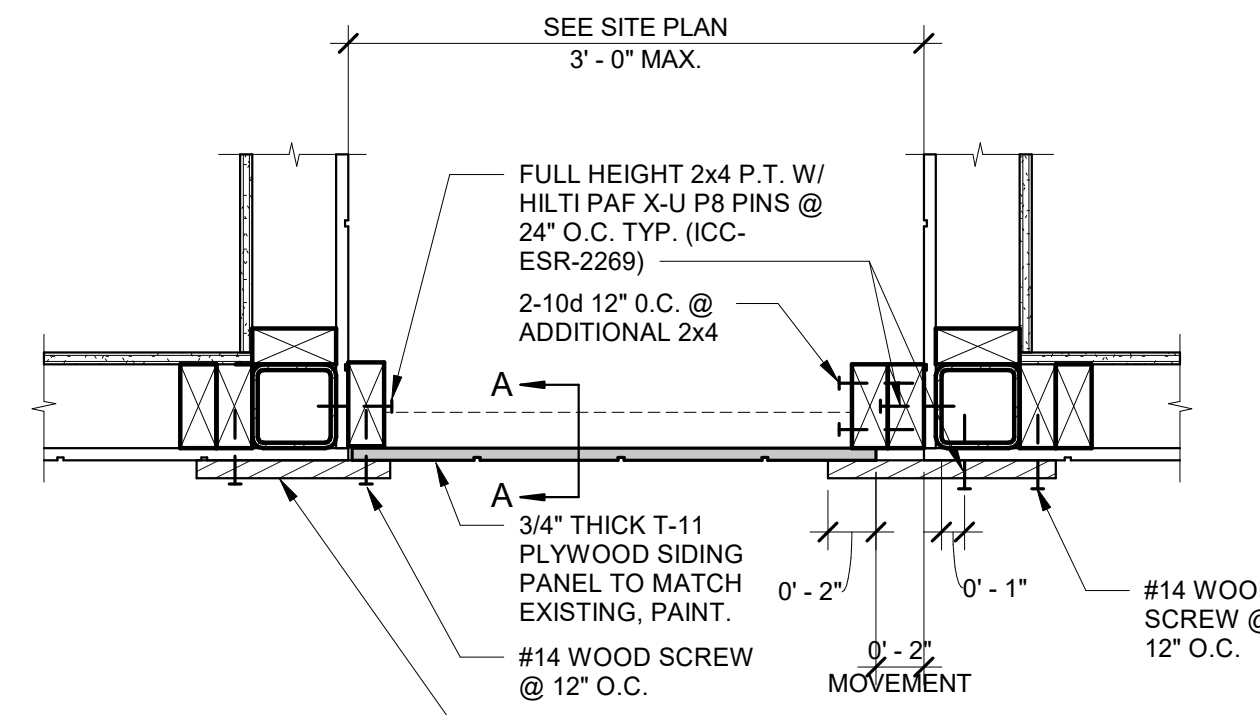
HANDRAIL EXTENSION

1 1/2" = 1'-0"

3



SECTION A-A



PLAN VIEW

CLOSURE PANEL

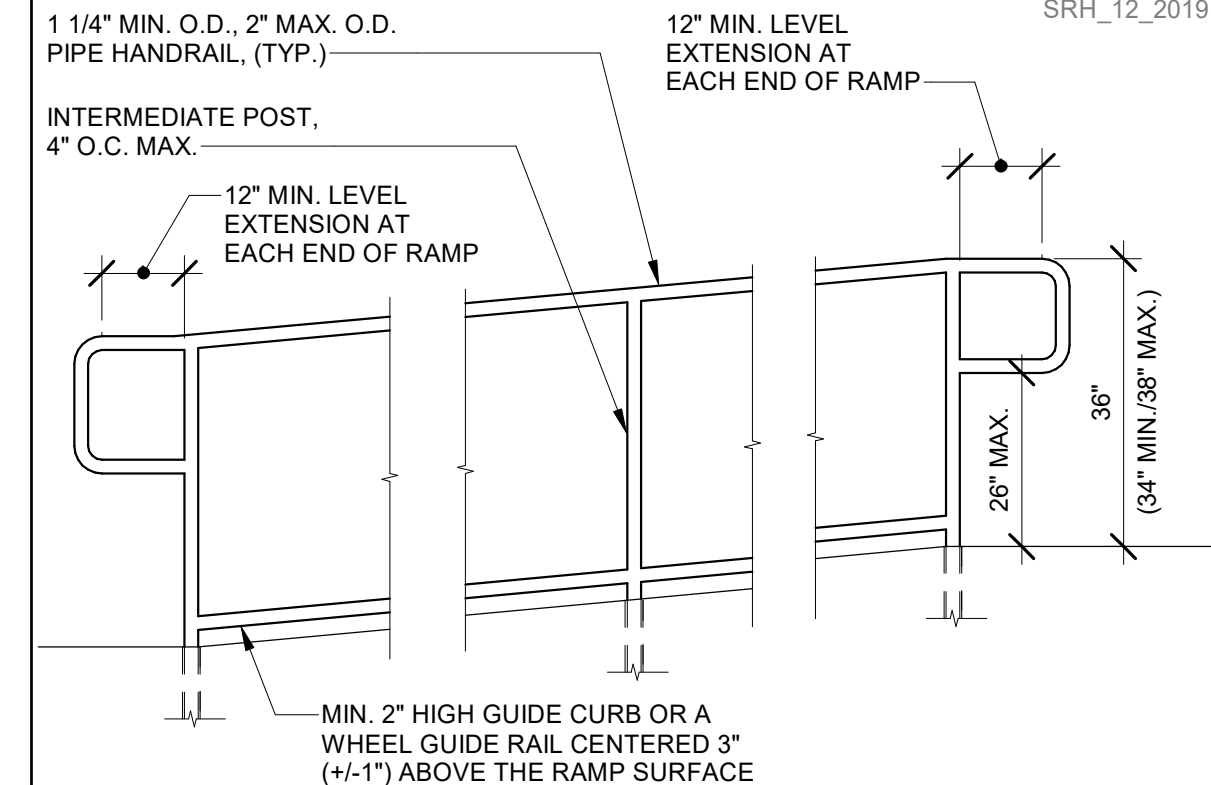
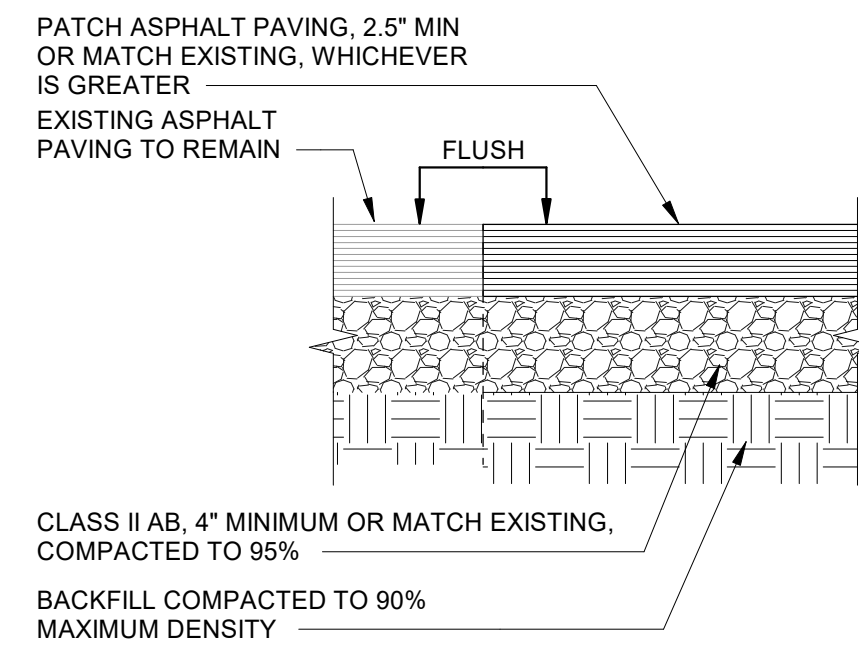
1 1/2" = 1'-0"

4

CONCRETE PATCH

1 1/2" = 1'-0"

1



NOTES:

1. ADJACENT WALL SURFACES SHALL BE FREE OF SHARP AOR ABRASIVE ELEMENTS.
2. THERE SHALL BE 1 1/2" MINIMUM CLEAR BETWEEN THE WALL AND THE HANDRAIL.
3. LEVEL EXTENSIONS SHALL BE STRAIGHT AND NOT INCLUDE ANY BENDS.

PAVEMENT PATCH

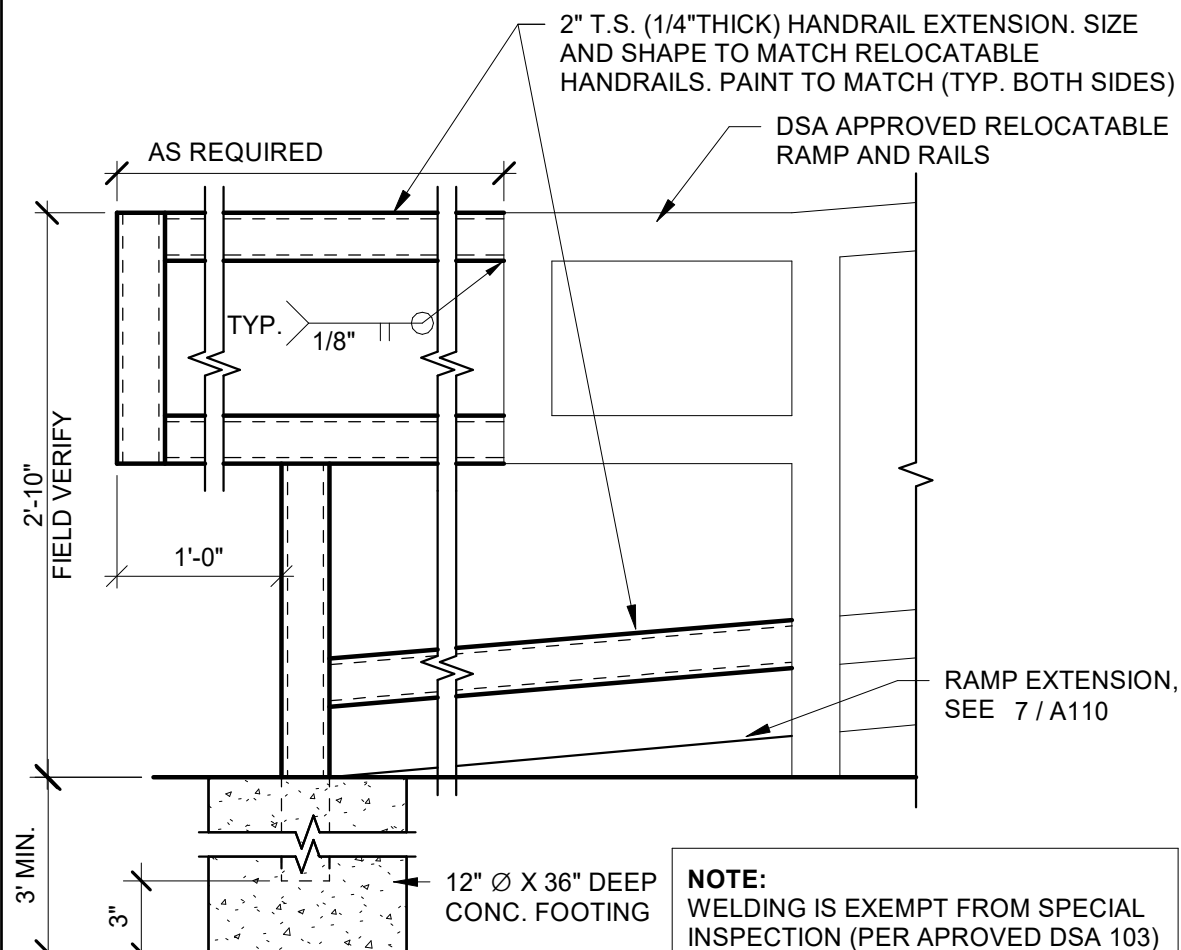
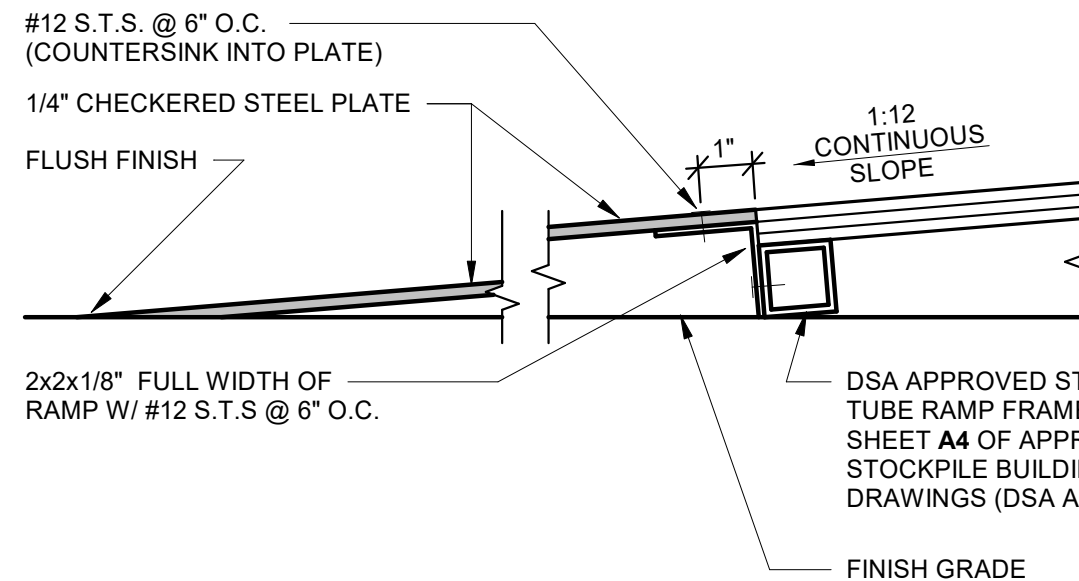
1 1/2" = 1'-0"

6

RAMP HANDRAIL

1/2" = 1'-0"

2

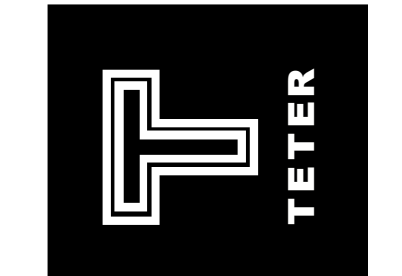


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A	6/2/25	BID DOCUMENTS



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FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED



DONN B. CHENOWETH ELEMENTARY SCHOOL
TEMP. INSTALLATION OF
STOCKPILE CLASSROOM BLDG.
MERCED CITY SCHOOL DISTRICT, MERCED, CA
DRAWING TITLE
SITE DETAILS

PROJECT NO.
25-13267
DRAWING

A110


$$1'' = 40'-0''$$

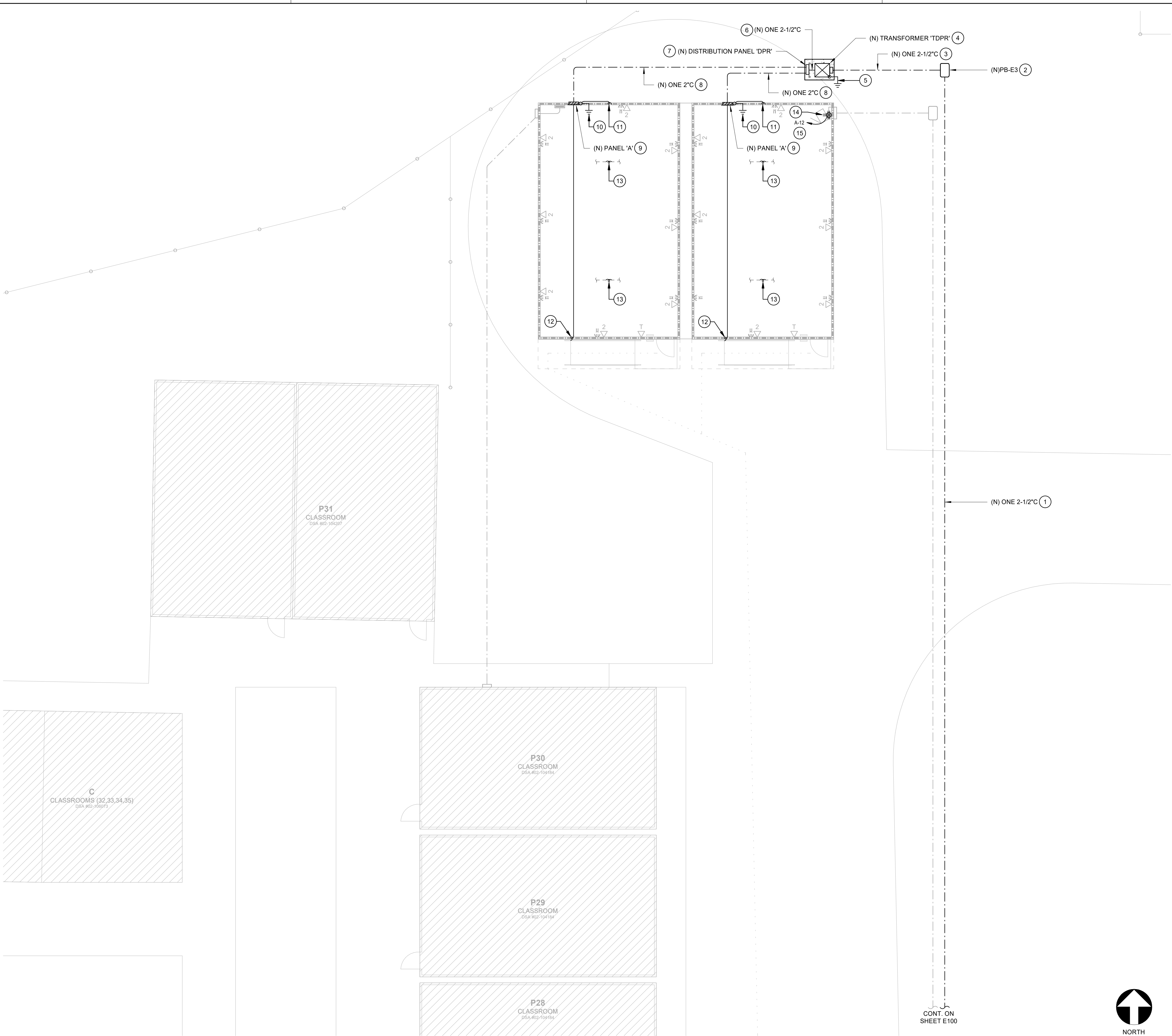
GENERAL NOTES

- A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.
- B. TRENCH AND BACKFILL PER ARCHITECTURAL PLANS, SPECIFICATIONS, AND DETAIL 14E600. SITE CONDUITS SHALL BE INSTALLED A MINIMUM OF 36" BELOW FINAL GRADE TO TOP OF CONDUIT.
- C. SPECIAL PRECAUTION SHALL BE TAKEN WHEN TRENCHING TO LOCATE, PROTECT AND PRESERVE EXISTING UNDERGROUND UTILITIES. ANY DAMAGE CAUSED DURING THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED.
- D. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

E100

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A	06/02/25	BID DOCUMENTS

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KEYNOTES

- 1 PROVIDE ONE (N) 2-1/2" C WITH 3#2/0 CU THWN + 1#4 CU GND FROM (E) MAIN SWITCHBOARD 'MSB' PER ELECTRICAL SITE PLAN 1/E100, AND SINGLE LINE DIAGRAM 1/E700.
- 2 PROVIDE (N) ELECTRICAL PULL BOX PER DETAIL 2/E600.
- 3 PROVIDE ONE 2-1/2" C WITH 3#2/0 CU THWN + 1#4 CU GND.
- 4 PROVIDE (N) TRANSFORMER 'TDPR' WITH PRIMARY ENCLOSED CIRCUIT BREAKER PER DETAIL 3/E600, SINGLE LINE DIAGRAM 1/E700, AND TRANSFORMER SCHEDULE 15/E800.
- 5 PROVIDE TRANSFORMER GROUNDING ELECTRODE SYSTEM PER DETAIL 4/E600.
- 6 PROVIDE ONE (N) 2-1/2" C WITH 4#4/0 CU THWN + 1#2 CU GND (SSBJ).
- 7 PROVIDE (N) DISTRIBUTION PANEL 'DPR' PER DETAIL 5/E600, PANEL SCHEDULE 15/E600, AND SINGLE LINE DIAGRAM 1/E700.
- 8 PROVIDE ONE (N) 2" C WITH 3#2 CU THWN + 1#6 CU GND.
- 9 CONNECT PANEL AT (N) RELOCATABLE BUILDING PER SINGLE LINE DIAGRAM 1/E700.
- 10 PROVIDE SYSTEM GROUND FACILITIES PER DETAILS 6/E600 & 7/E600.
- 11 PROVIDE GROUNDING LUGS ON BOTH SIDES OF RIGID METAL BEAMS AND BOND RELOCATABLE BUILDING SECTIONS TOGETHER WITH 1#6 CU GND.
- 12 PROVIDE GROUNDING LUG AND BOND METAL HANDRAIL WITH 1#6 CU GND.
- 13 RECONNECT (E) POWER AND LIGHTING BRANCH CIRCUIT CONNECTIONS BETWEEN BUILDING SECTIONS.
- 14 PROVIDE DEDICATED QUADRAPLEX RECEPTACLE AT (N) IDF CABINET. VERIFY EXACT HEIGHT AND LOCATION WITH OWNER.
- 15 PROVIDE (N) 20A, 1-POLE CIRCUIT BREAKER AT PANEL 'A' - CIRCUIT #12, AND CONNECT BRANCH CIRCUIT FOR (N) RECEPTACLE AT (N) IDF CABINET.

GENERAL NOTES

- A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.
- B. TRENCH AND BACKFILL PER ARCHITECTURAL PLANS, SPECIFICATIONS, AND DETAIL 1/E600. SITE CONDUITS SHALL BE INSTALLED A MINIMUM OF 36" BELOW FINAL GRADE TO TOP OF CONDUIT.
- C. SPECIAL PRECAUTION SHALL BE TAKEN WHEN TRENCHING TO LOCATE, PROTECT AND PRESERVE EXISTING UNDERGROUND UTILITIES. ANY DAMAGE CAUSED DURING THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED.
- D. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

DONN B. CHENOWETH ELEMENTARY SCHOOL
TEMP. INSTALLATION OF
STOCKPIL CLASSROOM BLDG.
MERCED CITY SCHOOL DISTRICT, MERCED, CA

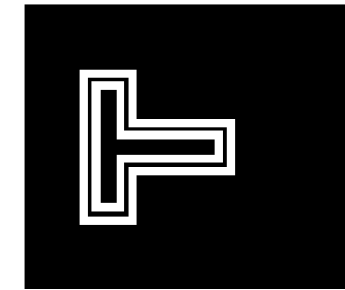
PROJECT NO.

25-13267

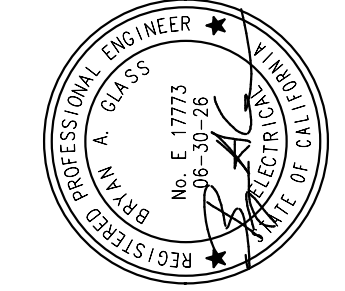
DRAWING

E200

DRAWING TITLE
ENLARGED POWER PLAN

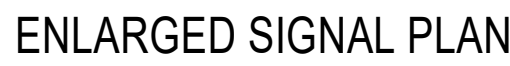


TETER, INC.
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$$1/8'' = 1'-0''$$

- 1 PROVIDE ONE (N) 2" C WITH ONE 'SFO' CABLE, AND ONE (N) 2" C. O. FROM (E) IDF AT (E) RELOCATABLE CLASSROOM BUILDING PER ELECTRICAL SITE PLAN 1/E/100.
- 2 PROVIDE (N) SIGNAL PULL BOX PER DETAIL 2/E/600.
- 3 PROVIDE ONE (N) 2" C WITH ONE 'SFO' CABLE, AND ONE (N) 2" C.O.
- 4 PROVIDE (N) 24"SQ. X 6" DEEP NEMA 3R SCREW COVER CAN HIGH ON EXTERIOR BUILDING WALL, WITH TWO 2" CONDUIT SLEEVES INTO ACCESSIBLE ATTIC SPACE (ONE FOR DATA, ONE SPARE). VERIFY EXACT LOCATION WITH OWNER AT SITE.
- 5 MOUNT (N) IDF CABINET HIGH ON WALL, BELOW CEILING PER DETAIL 10/E/600. VERIFY EXACT LOCATION WITH OWNER.
- 6 PROVIDE ONE (N) 2" C SLEEVE IN ACCESSIBLE ATTIC SPACE BETWEEN RELOCATABLE CLASSROOM BUILDINGS PER DETAIL 12/E/600. FOR DATA PATHWAY.
- 7 PROVIDE ONE (1) NEW TYPE 'D10' CABLE FROM (N) WIRELESS ACCESS POINT TO (N) IDF. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E/600
- 8 PROVIDE TWO (2) NEW TYPE 'T' CABLES FROM (N) DATA OUTLET TO (N) IDF. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E/600.
- 9 PROVIDE ONE (1) NEW TYPE 'T' CABLE FROM (N) TELEPHONE OUTLET TO (N) IDF. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E/600.

- A. VERIFY EXACT NUMBER AND LOCATION OF NEW TELEPHONE AND DATA OUTLETS WITH OWNER. REUSE EXISTING DATA OUTLET BOXES AND CONDUIT CONCEALED IN WALLS WHERE POSSIBLE. WHERE NO EXISTING OUTLET BOXES OR CONCEALED CONDUIT OCCURS, PROVIDE NEW SURFACE OUTLET BOXES AND SURFACE RACEWAY TO ACCESSIBLE ATTIC SPACE.
- B. PROVIDE THREADED SET SCREW CONNECTORS WITH POLYPROPYLENE BUSHINGS AT EACH END OF CONDUIT SYSTEMS USED FOR TELECOMMUNICATION CABLE INSTALLATION. BUSHINGS SHALL BE INSTALLED AND INSPECTED PRIOR TO CABLE INSTALLATION
- C. EACH TELECOMMUNICATION CABLE SHALL BE HOMERUN FROM THE TELECOMMUNICATION OUTLET TO A PATCH PANEL LOCATED IN THE IDF IN THE ADJACENT BUILDING.
- D. TELECOMMUNICATION CABLES SHALL BE NEATLY BUNDLED WITH VELCRO STRAPS AT 36" O.C.
- E. TELECOMMUNICATION CABLES SHALL BE INDEPENDENTLY SUPPORTED FROM J-HOOKS WITHIN THE ACCESSIBLE ATTIC SPACE WHERE THEY ARE NOT WITHIN CONDUIT.
- F. TELECOMMUNICATION CABLES SHALL BE TERMINATED WITH MODULAR JACKS ON PATCH PANELS IN THE TELECOMMUNICATION ENCLOSURE AND ON MODULAR JACKS AT THE TELECOMMUNICATION OUTLETS.
- G. TELECOMMUNICATION CABLE SERVING WIRELESS ACCESS POINTS SHALL BE TERMINATED WITH PLUG TYPE CONNECTORS AT THE LOCATION OF THE WIRELESS ACCESS POINT.

- A. TRENCH AND BACKFILL PER ARCHITECTURAL PLANS, SPECIFICATIONS, AND DETAIL 1/600. SITE CONDUITS SHALL BE INSTALLED A MINIMUM OF 36" BELOW FINAL GRADE TO TOP OF CONDUIT.
- B. SPECIAL PRECAUTION SHALL BE TAKEN WHEN TRENCHING TO LOCATE, PROTECT AND PRESERVE EXISTING UNDERGROUND UTILITIES. ANY DAMAGE CAUSED DURING THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED.
- C. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

25-13267

E400

**DONN B. CHENOWETH ELEMENTARY SCHOOL
TEMP. INSTALLATION OF
STOCKPIL CLASSROOM BLDG.
MERCED CITY SCHOOL DISTRICT, MERCED, CA**

DRAWING TITLE

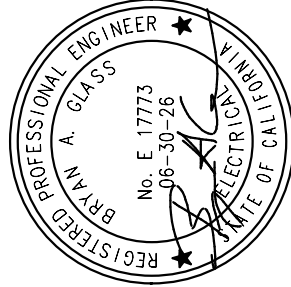
ENLARGED SIGNAL PLAN

TETER, INC.

FRESNO HEADQUARTERS

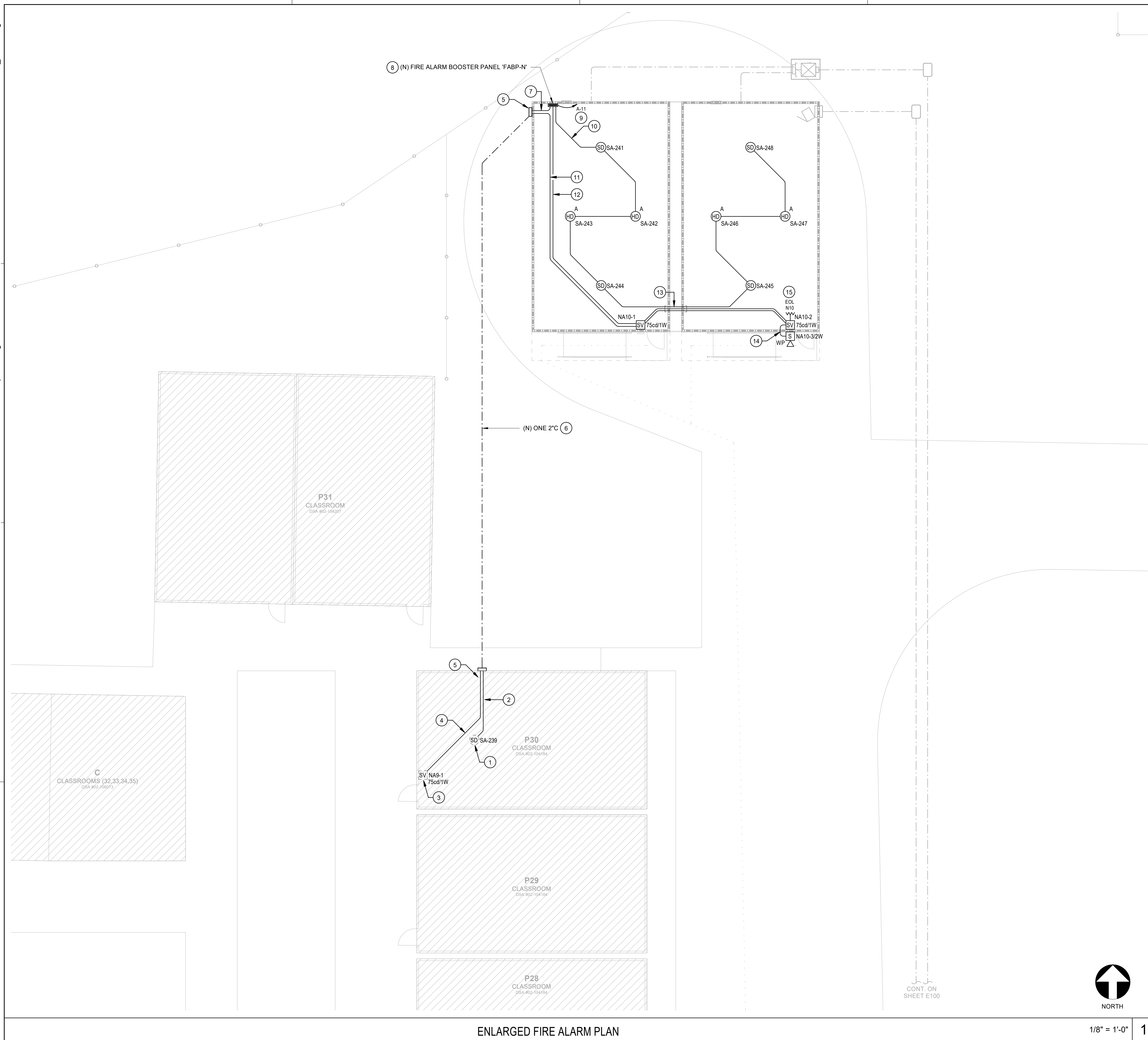
AKERSFIELD | MODESTO | SAN LUIS OBISPO

PROJECTS ENGINEERS CONNECTED



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KEYNOTES

- PICK UP (E) FIRE ALARM SIGNALING LINE CIRCUIT AT (E) FIRE ALARM ADDRESSABLE INITIATION DEVICE, AND EXTEND TO (N) FIRE ALARM BOOSTER PANEL 'FABP-N' AT (N) RELOCATABLE CLASSROOM BUILDING.
- PROVIDE ONE (N) 'FA' CABLE. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600.
- DISCONNECT (E) FIRE ALARM SPEAKER CIRCUIT AT (E) AUDIO/VISUAL NOTIFICATION APPLIANCE, EXTEND (N) RELOCATABLE CLASSROOM BUILDING, AND THEN LOOP BACK TO (E) AUDIO/VISUAL NOTIFICATION APPLIANCE AT (E) RELOCATABLE CLASSROOM, AND RECONNECT SPEAKER CIRCUIT.
- PROVIDE TWO (N) 'FS' CABLES. RUN IN (E) CONDUIT IN WALL, AND ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600.
- PROVIDE (N) 18"SQ. X 6" DEEP NEMA 3R SCREW COVER CAN HIGH ON EXTERIOR BUILDING WALL, WITH ONE 2" CONDUIT SLEEVE INTO ACCESSIBLE ATTIC SPACE. VERIFY EXACT LOCATION WITH OWNER AT SITE.
- PROVIDE ONE (N) 2"C WITH ONE 'FAS' CABLE, AND TWO 'FSS' CABLES.
- PROVIDE ONE (N) 'FA' CABLE. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600, AND IN (N) CONDUIT ON WALL TO (N) FIRE ALARM BOOSTER PANEL.
- PROVIDE (N) FIRE ALARM BOOSTER PANEL 'FABP-N' AND CONNECT TO (E) FIRE ALARM SIGNALING LINE CIRCUIT PER FIRE ALARM RISER DIAGRAM 2/E710. PROVIDE (N) 1-1/4"C ON WALL FROM PANEL TO ACCESSIBLE ATTIC SPACE FOR ROUTING OF (N) FIRE ALARM CABLES.
- PROVIDE (N) 20A, 1-POLE, CIRCUIT BREAKER AT PANEL 'A' - CIRCUIT #11 AND CONNECT TO DEDICATED 120V BRANCH CIRCUIT AT WITH 1/2"C - 2#12 CU THWN + 1#12 CU GND. REFER TO FIRE ALARM RISER DIAGRAM 2/E710 FOR BRANCH CIRCUIT REQUIREMENTS.
- PROVIDE ONE (N) 'FA' CABLE. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600. TYPICAL TO (N) ADDRESSABLE INITIATION DEVICES.
- PROVIDE TWO (N) 'FS' CABLES. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600, AND IN (E) CONDUIT IN WALL. TYPICAL TO (N) AUDIO/VISUAL, AND AUDIO NOTIFICATION APPLIANCES.
- PROVIDE ONE (N) 'FV' CABLE. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600, AND IN (E) CONDUIT IN WALL. TYPICAL TO (N) AUDIO/VISUAL NOTIFICATION APPLIANCES.
- PROVIDE (N) 2" CONDUIT SLEEVE BETWEEN BUILDING ATTIC SPACES PER DETAIL 12/E600.
- TWO (N) 'FS' CABLES. RUN IN (E) CONDUIT IN WALL. SPEAKER CIRCUIT SHALL RETURN TO (E) UPSTREAM AUDIO/VISUAL NOTIFICATION APPLIANCE AT (E) RELOCATABLE CLASSROOM BUILDING.
- PROVIDE (N) 'END-OF-LINE' RESISTOR FOR (N) VISUAL NOTIFICATION APPLIANCE CIRCUIT, AT LAST VISUAL DEVICE ON CIRCUIT.

FIRE ALARM SYSTEM INSTALLATION NOTES

- THE LOCATION OF AUTOMATIC DETECTORS, MANUAL PULL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY, AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
- ALL DRAWINGS ARE DIAGRAMMATIC ONLY, AND SHALL NOT BE USED IN DETERMINING ACTUAL CONDUIT ROUTING. THE CONTRACTOR SHALL VERIFY ALL CONDUIT ROUTING CONDITIONS AT THE PROJECT SITE AS CONSTRUCTION PROGRESSES.
- ALL FIRE ALARM DATA, COMMUNICATIONS AND INITIATING CIRCUITS SHALL BE INSTALLED UTILIZING SOLID COPPER CONDUCTORS WITH OUTER COVERING COLORS PER THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS. ALL SMOKE DAMPER AND REMOTE TROUBLE INDICATOR CIRCUITS SHALL BE YELLOW. ALL CIRCUITS SHALL BE INDIVIDUALLY LABELED, BOTH AT THE DEVICE END AND AT THE SIGNAL TERMINAL CABINET AND/OR FIRE ALARM MASTER PANEL TERMINATION POINT.
- ALL FIRE ALARM CIRCUITS SHALL BE CONTINUOUS FROM DEVICE TO DEVICE. SPLICES ARE NOT ALLOWED UNLESS IN COVERED JUNCTION BOXES ON APPROVED TERMINAL BLOCKS. 'T' TAPPING IS ALLOWED ONLY IN INITIATION LOOPS CONNECTING ADDRESSABLE DEVICES AND ONLY UNDER THESE CONDITIONS. UNDER NO CIRCUMSTANCES SHALL 'T' TAPPING BE PERMITTED BETWEEN CONVENTIONAL DEVICES.
- SMOKE DETECTORS SHALL BE INSTALLED AWAY FROM AIR SUPPLY GRILLES AT A MINIMUM DISTANCE OF 3' PER NFPA 72 29.8.3.4 OR GREATER AS RECOMMENDED BY THE MANUFACTURER.
- CONTRACTOR SHALL SYNCHRONIZE TWO OR MORE STROBES IN ONE ROOM AND TWO OR MORE SPEAKERS WITHIN HEARING OF EACH OTHER.
- THE FIRE ALARM SYSTEM SHALL CONFORM TO THE 2022 CALIFORNIA ELECTRICAL CODE (CEC) ARTICLE 760 AND THE 2022 CALIFORNIA FIRE CODE (CFC) § 105.7 & § 907, AND CALIFORNIA BUILDING CODE (CBC) 907.

GENERAL NOTES

- TRENCH AND BACKFILL PER ARCHITECTURAL PLANS, SPECIFICATIONS, AND DETAIL 1/E600. SITE CONDUITS SHALL BE INSTALLED A MINIMUM OF 36" BELOW FINAL GRADE TO TOP OF CONDUIT.
- SPECIAL PRECAUTION SHALL BE TAKEN WHEN TRENCHING TO LOCATE, PROTECT AND PRESERVE EXISTING UNDERGROUND UTILITIES. ANY DAMAGE CAUSED DURING THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED.
- PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

DONN B. CHENOWETH ELEMENTARY SCHOOL

TEMP. INSTALLATION OF

STOCKPIL CLASSROOM BLDG.

MERCED CITY SCHOOL DISTRICT, MERCED, CA

DRAWING TITLE

ENLARGED FIRE ALARM PLAN

PROJECT NO.

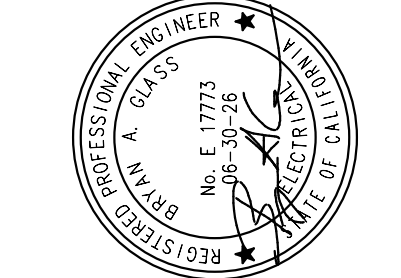
25-13267

DRAWING

E500

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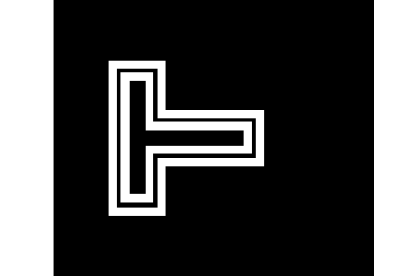


TETER, INC.

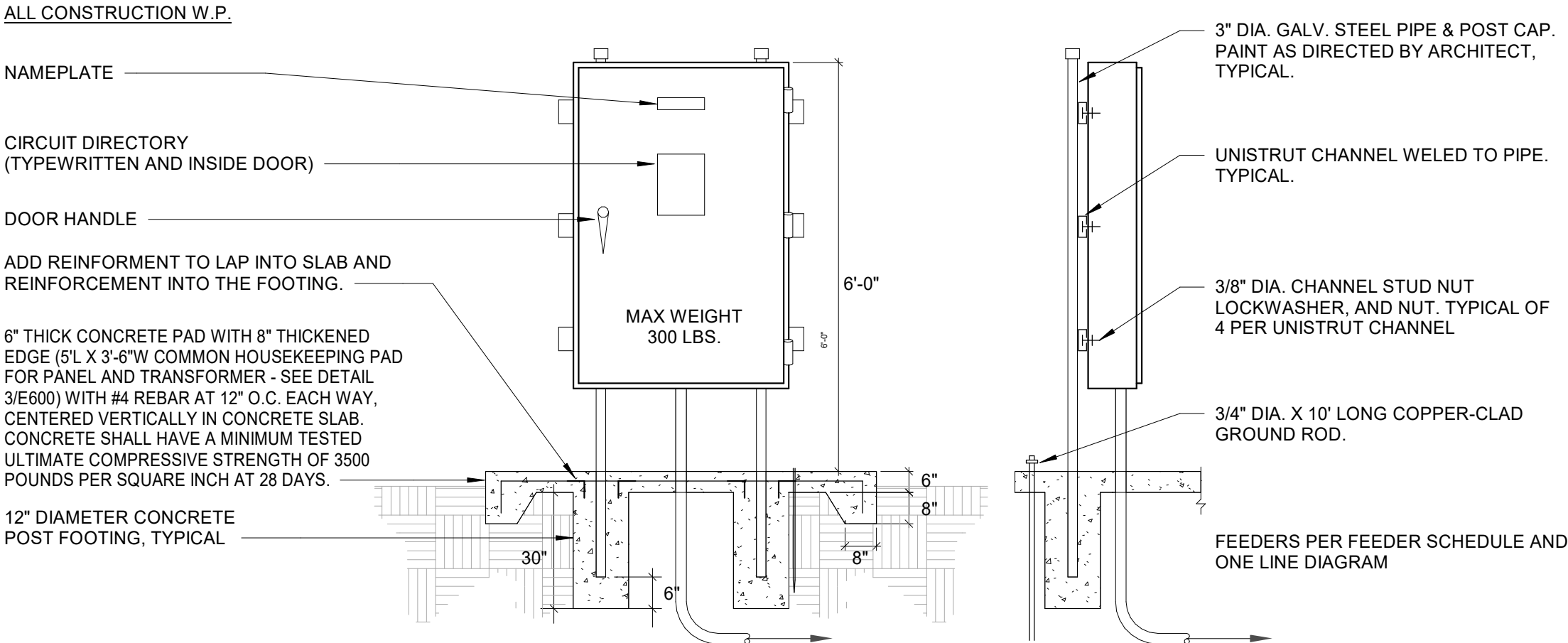
FRESNO HEADQUARTERS

VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

ARCHITECTS ENGINEERS CONNECTED



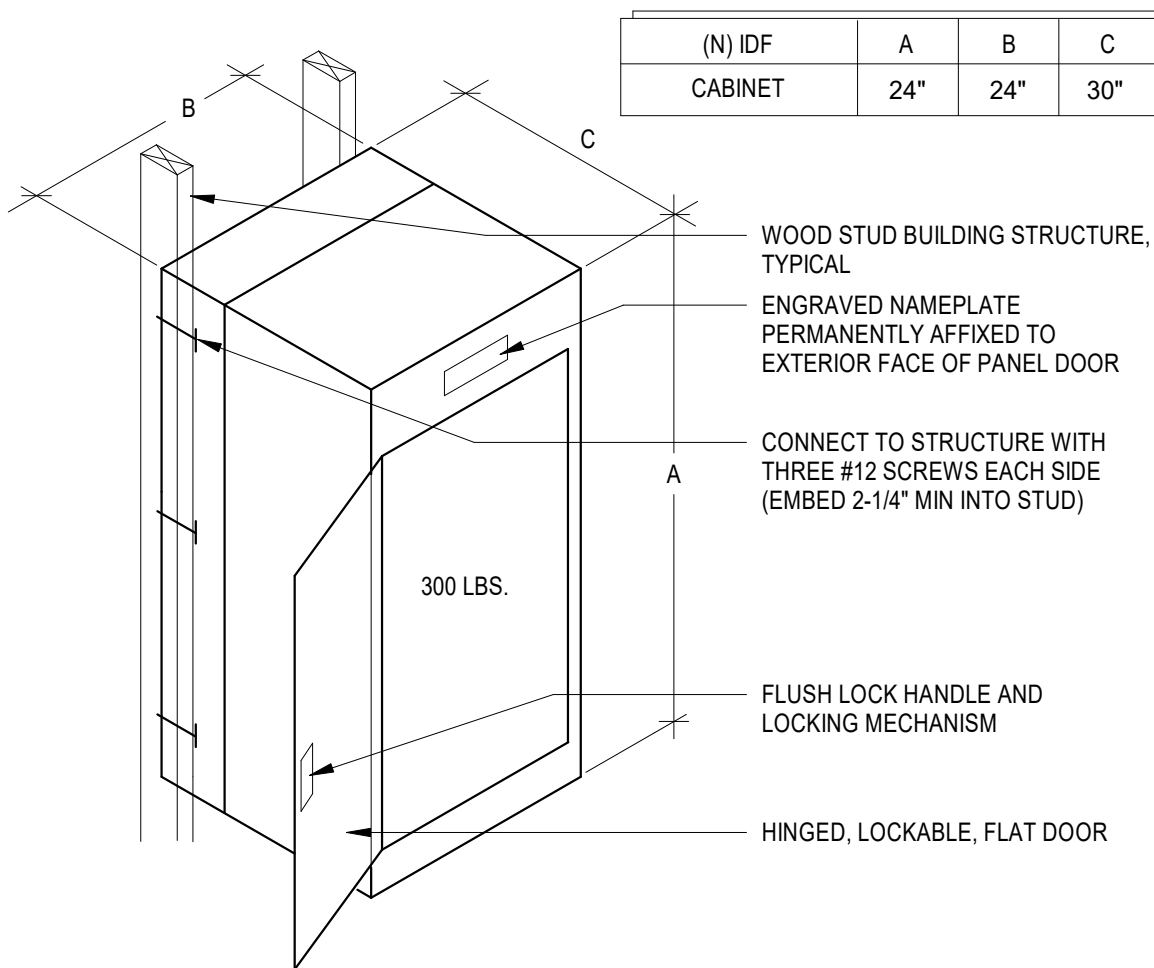
PANEL: DPR																
NEW DISTRIBUTION PANELBOARD				225 AMP BUS 120/208V, 3 PH, 4 W 100% RATED NEUTRAL				MAIN: 225A C8 TRIP: THERMAL-MAGNETIC A.I.C.: 10000 A				LOCATION: NORTH RELOCATABLES MOUNTING: PIPE & STRUT PER DETAIL 5/E600 ENCLOSURE: NEMA 3R				
CIRCUIT		BREAKER		SERVES		VOLT-AMPERES					SERVES		BREAKER		CIRCUIT	
CKT NO.	PNL SPACE	AMP	POLE			LOAD	A	B	C	LOAD			AMP	POLE	PNL SPACE	CKT NO.
1	1	100	2	RELOCATBLE CLASSROOM PANEL	7728	7728					SPACE	--	--	2	2	
3	3				7727		7727					SPACE	--	--	4	4
5	5	100	2	RELOCATBLE CLASSROOM PANEL	7728			7728			SPACE	--	--	6	6	
7	7				7727	7727					SPACE	--	--	8	8	
9	9	100	2	SPARE			0				SPACE	--	--	10	10	
11	11						0				SPACE	--	--	12	12	
13	13	--	--	SPACE		0					SPACE	--	--	14	14	
15	15	--	--	SPACE			0				SPACE	--	--	16	16	
17	17	--	--	SPACE				0			SPACE	--	--	18	18	
19	19	--	--	SPACE		0					SPACE	--	--	20	20	
21	21	--	--	SPACE			0				SPACE	--	--	22	22	
23	23	--	--	SPACE				0			SPACE	--	--	24	24	
25	25	--	--	SPACE		0					SPACE	--	--	26	26	
27	27	--	--	SPACE			0				SPACE	--	--	28	28	
29	29	--	--	SPACE				0			SPACE	--	--	30	30	
31	31	--	--	SPACE		0					SPACE	--	--	32	32	
33	33	--	--	SPACE			0				SPACE	--	--	34	34	
35	35	--	--	SPACE				0			SPACE	--	--	36	36	
37	37	--	--	SPACE		0					SPACE	--	--	38	38	
39	39	--	--	SPACE			0				SPACE	--	--	40	40	
41	41	--	--	SPACE				0			SPACE	--	--	42	42	
TOTAL CONNECTED LOAD (VA) :					15455		7727	7728	TOTAL CALCULATED LOAD FOR PANEL: 30910 VA							
25% LCL/LML (VA) :					0		0	0								
TOTAL CALCULATED LOAD (VA) :					15455		7727	7728								
TOTAL CALCULATED LOAD (AMPS) :					128.8		64.4	64.4								



DISTRIBUTION PANEL MOUNTING

N.T.S.

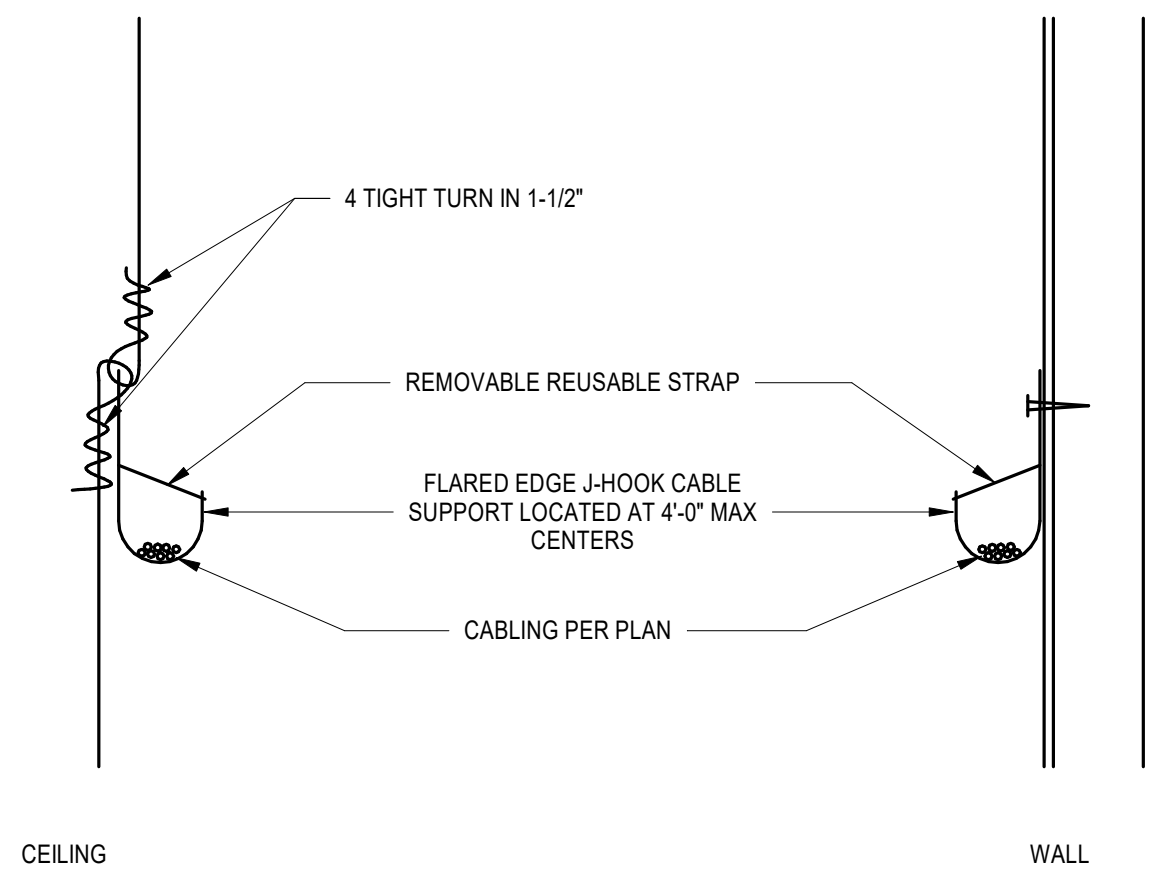
5



IDF MOUNTING

N.T.S.

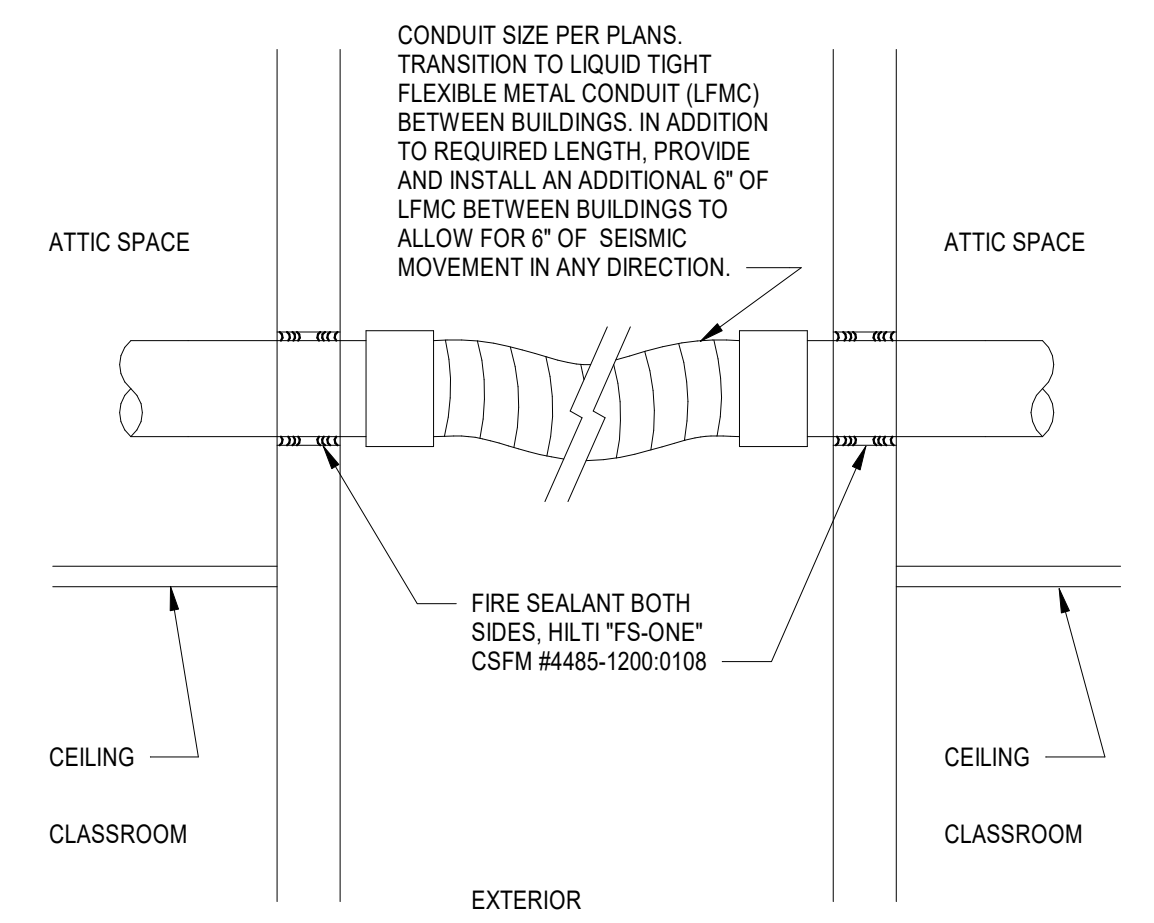
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J-HOOK MOUNTING

N.T.S.

11



CONDUIT BETWEEN ATTIC SPACES

N.T.S.

12

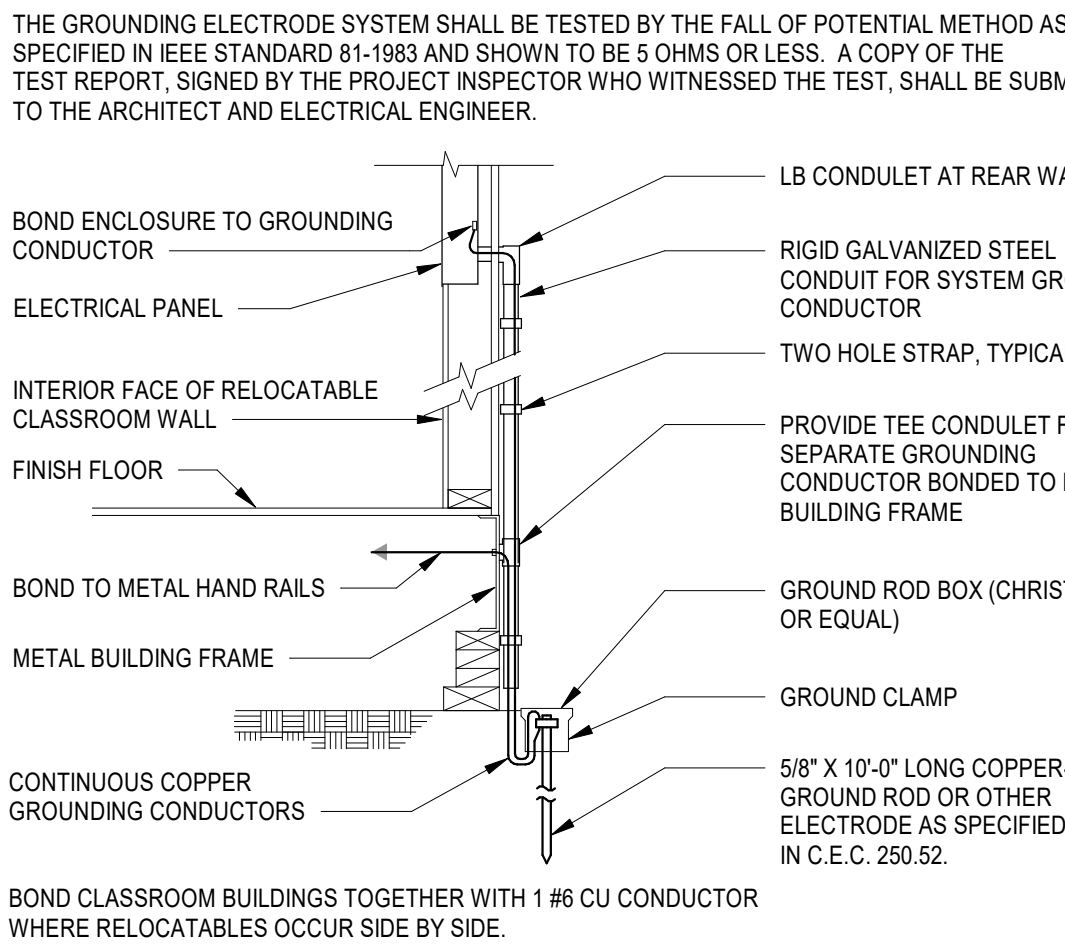
NOTES:

- SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
- BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL, AND TO METAL BUILDING FRAME (CEC 250.22). IN ADDITION TO THE RELOCATABLE BUILDING GROUND DETAIL ON THIS SHEET, BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52).
- ALL MODULES OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING).
- PROVIDE TWO GROUND RODS NOT LESS THAN 6' APART.
- WHERE MODULAR BUILDINGS ARE INSTALLED ON CONCRETE FOUNDATIONS, A UFER GROUND SHALL BE INSTALLED IN THE FOOTING PER CEC 250.52(A) (3).
- OTHER GROUNDING METHODS IDENTIFIED IN CEC 250 SHALL BE ACCEPTABLE MEANS TO ACHIEVE ADEQUATE GROUNDING OF METAL BUILDINGS IN COMPLIANCE WITH THE ABOVE.

GROUNDING SYSTEM NOTES

N.T.S.

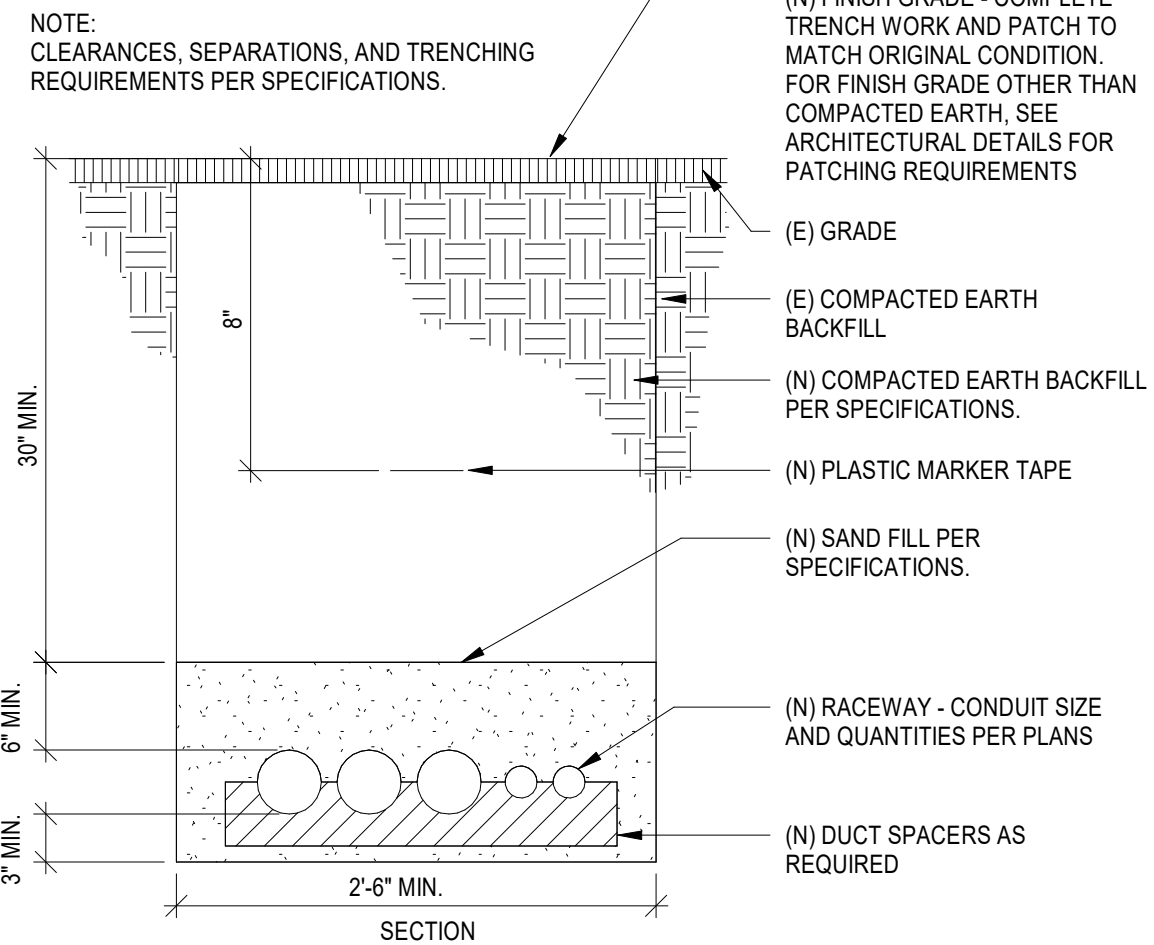
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RELOCATABLE BUILDING GROUND

N.T.S.

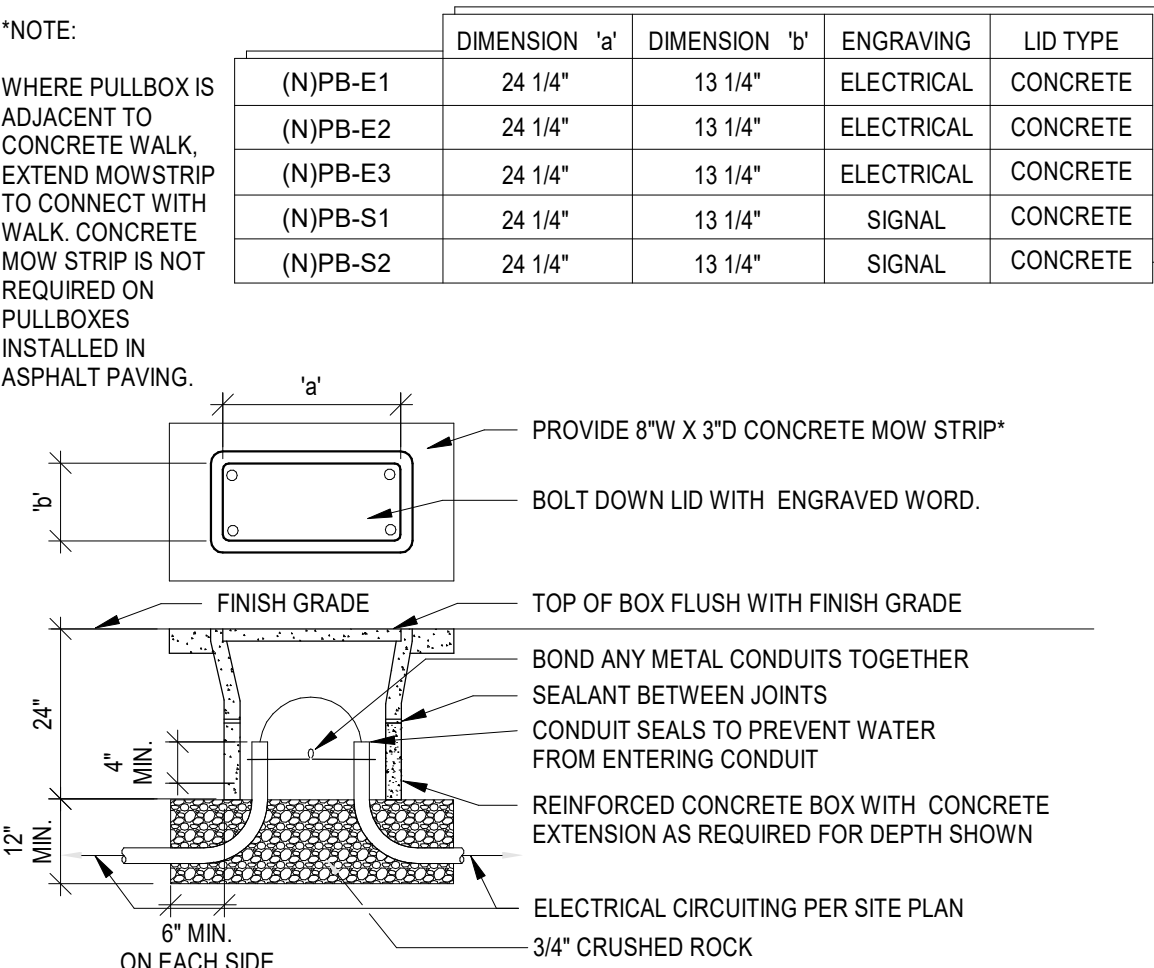
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TYPICAL TRENCH SECTION

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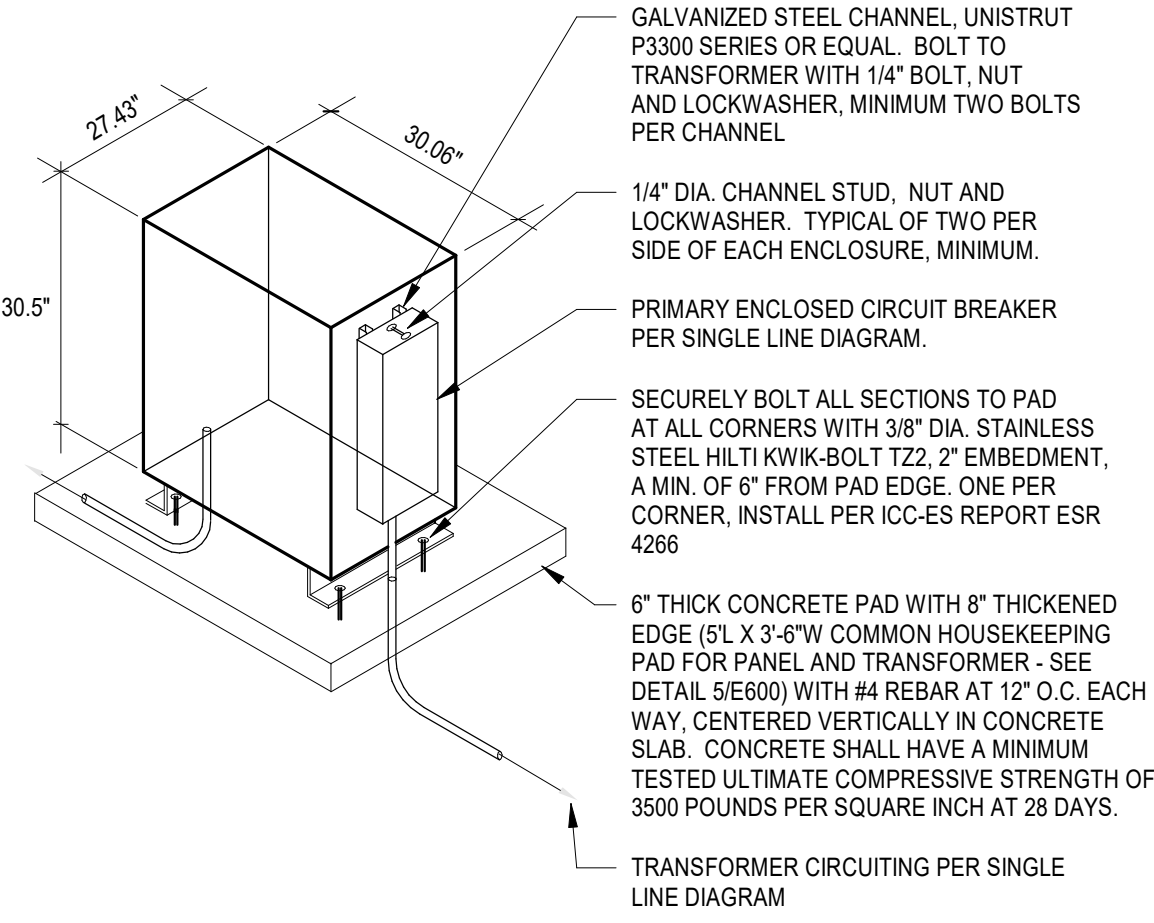
1



U.G. PULLBOX

N.T.S.

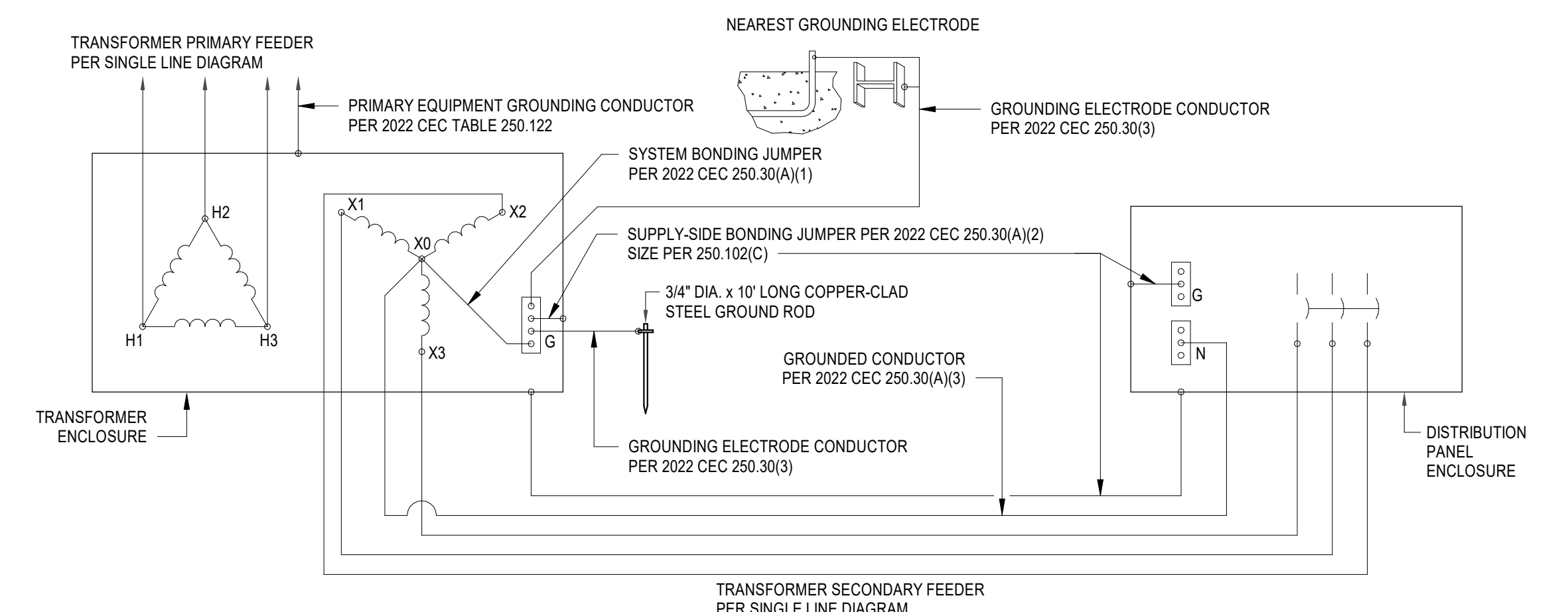
2



PAD MOUNTED TRANSFORMER

N.T.S.

3



TRANSFORMER GROUNDING ELECTRODE SYSTEM

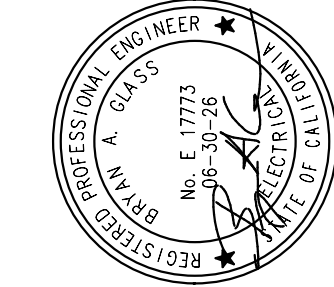
N.T.S.

4

PANEL SCHEDULE - DISTRIBUTION PANEL 'DPR'

N.T.S.

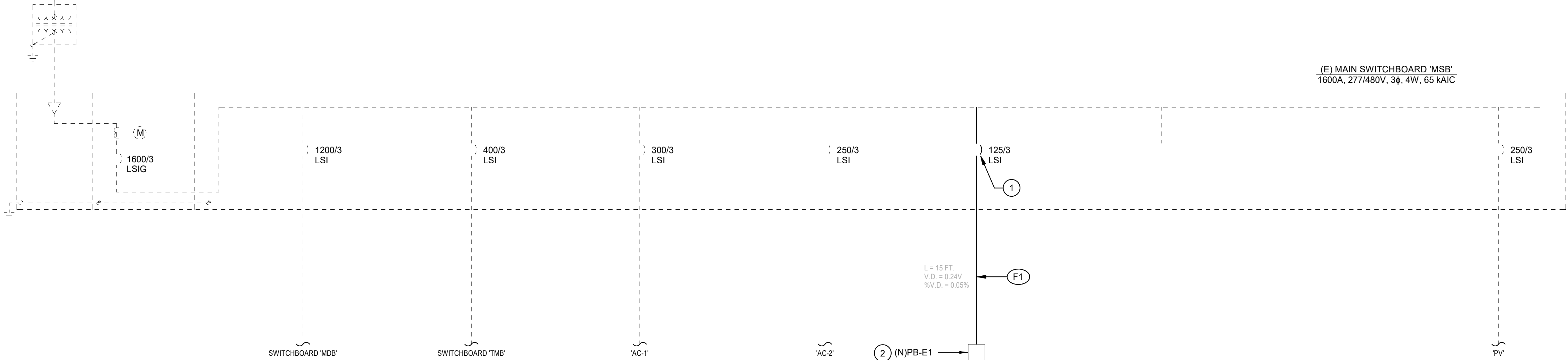
15



MARK	DATE	DESCRIPTION
A	06/02/25	BID DOCUMENTS

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TO EXISTING
UTILITY COMPANY
OVERHEAD
POWER LINES ON
AVE.

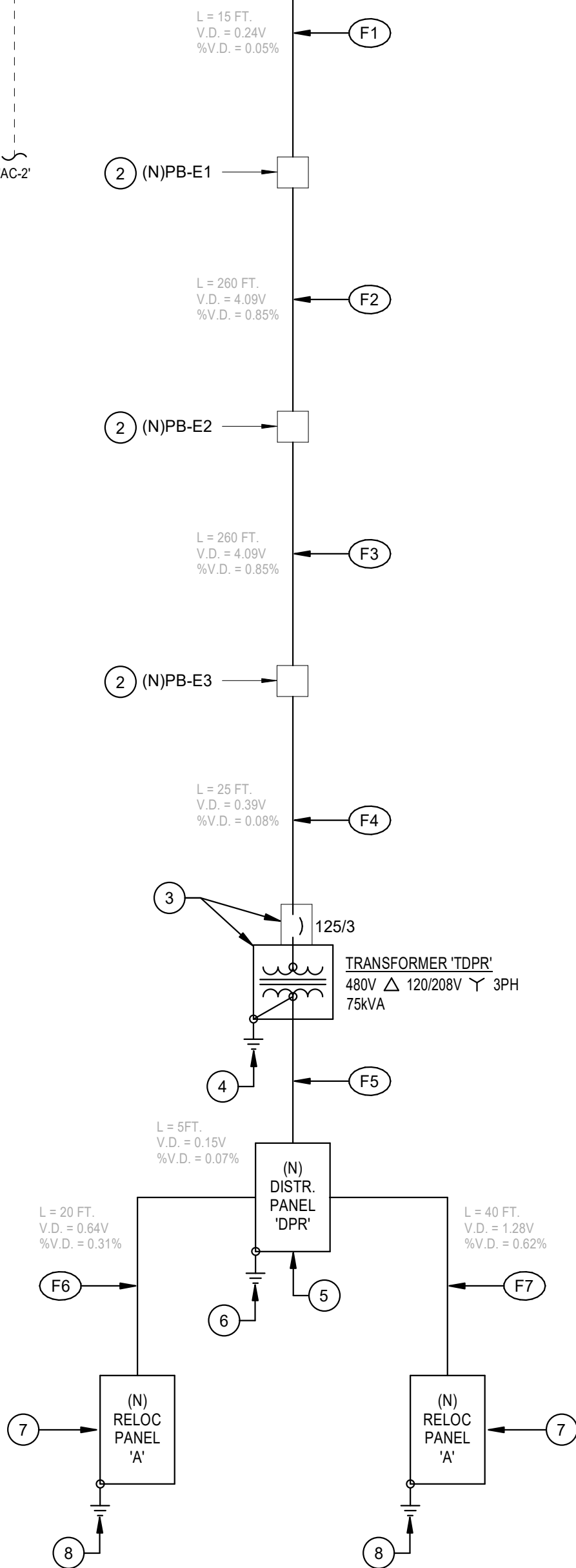


FEEDER SCHEDULE						
FEEDER	ORIGIN	DESTINATION	CONDUIT	CONDUCTORS	CALCULATED VOLTAGE DROP	REMARKS
F1	MAIN SWITCHBOARD 'MSB'	PULL BOX #PB-E1	2-1/2"C	3#2/0 CU THWN + 1#4 CU GND	0.05%	FEEDER (UP-SIZED FOR VOLTAGE DROP)
F2	PULL BOX #PB-E1	PULL BOX #PB-E2	2-1/2"C	3#2/0 CU THWN + 1#4 CU GND	0.85%	FEEDER (UP-SIZED FOR VOLTAGE DROP)
F3	PULL BOX #PB-E2	PULL BOX #PB-E3	2-1/2"C	3#2/0 CU THWN + 1#4 CU GND	0.85%	FEEDER (UP-SIZED FOR VOLTAGE DROP)
F4	PULL BOX #PB-E3	TRANSFORMER 'TDPR'	2-1/2"C	3#2/0 CU THWN + 1#4 CU GND	0.08%*	FEEDER (UP-SIZED FOR VOLTAGE DROP)
F5	TRANSFORMER 'TDPR'	DISTRIBUTION PANEL 'DPR'	2-1/2"C	4#4/0 CU THWN + 1#2 CU GND (SSBJ)	0.06%	FEEDER WITH SUPPLY SIDE BONDING JUMPER
F6	DISTRIBUTION PANEL 'DPR'	PANEL 'A'	2"C	3#2 CU THWN + 1#6 CU GND	0.31%	FEEDER
F7	DISTRIBUTION PANEL 'DPR'	PANEL 'B'	2"C	3#2 CU THWN + 1#6 CU GND	0.62%	FEEDER

* TOTAL VOLTAGE DROP FROM MAIN SWITCHBOARD 'MSB' TO TRANSFORMER 'TDPR' = 1.83%

KEYNOTES

- PROVIDE ONE (N) 125A, 3-POLE, CIRCUIT BREAKER AT EXISTING MAIN SWITCHBOARD 'MSB', AND CONNECT (N) FEEDER.
- (N) ELECTRICAL PULL BOX PER DETAIL 2/E600.
- (N) WEATHERPROOF TRANSFORMER 'TDPR' WITH 125A, 3-POLE, NEMA 3R PRIMARY ENCLOSED CIRCUIT BREAKER PER DETAIL 3/E600 AND TRANSFORMER SCHEDULE 15/E800.
- GROUND PER TRANSFORMER GROUNDING ELECTRODE SYSTEM DETAIL 4/E600.
- (N) DISTRIBUTION PANEL 'DPR' PER DETAIL 5/E600 AND PANEL SCHEDULE 15/E600.
- GROUND PER TRANSFORMER GROUNDING ELECTRODE SYSTEM DETAIL 4/E600.
- CONNECT PANEL AT (N) RELOCATABLE CLASSROOM BUILDING.
- PROVIDE GROUNDING ELECTRODE SYSTEM AT (N) RELOCATABLE CLASSROOM BUILDING PER DETAILS 6/E600 AND 7/E600.



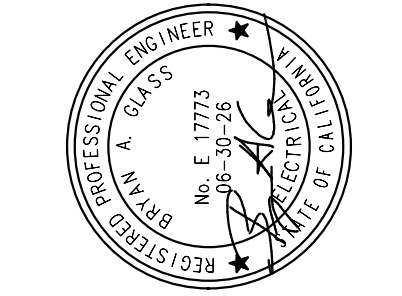
SINGLE LINE DIAGRAM

N.T.S.

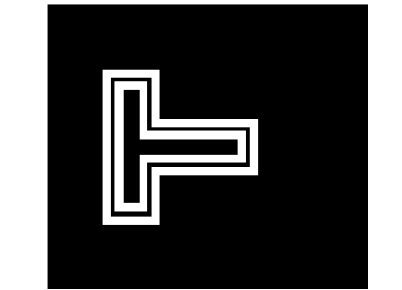
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MARK	DATE	DESCRIPTION
A	06/02/25	BID DOCUMENTS



TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED



DONN B. CHENOWETH ELEMENTARY SCHOOL
TEMP. INSTALLATION OF
STOCKPIL CLASSROOM BLDG.
MERCED CITY SCHOOL DISTRICT, MERCED, CA
DRAWING TITLE
SINGLE LINE DIAGRAM

PROJECT NO.
25-13267
DRAWING

E700

FIRE ALARM SYSTEM DESCRIPTION		
THE FIRE ALARM SYSTEM DESCRIBED BY THESE DRAWINGS AND ASSOCIATED SPECIFICATIONS IS A MANUAL AND AUTOMATIC SYSTEM. THIS SYSTEM UTILIZES SMOKE DETECTORS ON CEILINGS AND IN THE ROOMS HOUSING THE FIRE ALARM SYSTEM EQUIPMENT, WITH HEAT DETECTORS INSTALLED IN ATTICS. THE SYSTEM IS ADDRESSABLE AND IS WIRED CLASS 'B' WITHIN THE BUILDINGS AND CLASS 'B' BETWEEN BUILDINGS.		
FIRE ALARM APPROVAL		
THE FIRE ALARM SYSTEM DESIGN IS A "COMPLETE PLAN SUBMITTAL" PER DSA FIRE ALARM SUBMITTAL GUIDELINES. THE CONTRACTOR SHALL INSTALL THE SYSTEM AS SHOWN AND AS HEREIN SPECIFIED. IF ANY SUBSTITUTION OF FIRE ALARM EQUIPMENT IS TO BE REQUESTED, SUCH REQUEST SHALL BE MADE A MINIMUM OF TWO WEEKS PRIOR TO PROJECT BID DATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING THE SUBSTITUTION PER THE DSA GUIDELINES AND SHALL PAY ALL ADDITIONAL COSTS REQUIRED TO ACCOMMODATE REVIEW OF THE SUBSTITUTED FIRE ALARM SYSTEM BY DSA. WHETHER OR NOT SUCH APPROVAL IS GIVEN, THE CONTRACTOR'S SUBMITTAL SHALL INCLUDE MANUFACTURER'S CATALOG CUT SHEETS AND CSFM LISTING SHEETS FOR THE INDIVIDUAL COMPONENTS COMPRISING THE SUBSTITUTED FIRE ALARM SYSTEM, BATTERY LOAD CALCULATIONS AND VOLTAGE DROP CALCULATIONS FOR EACH SIGNALING CIRCUIT.		
APPLICABLE CODES AND STANDARDS		
2022 CA BUILDING CODE - CCR, TITLE 24, PART 2, VOLUMES 1 & 2 (2021 IBC AND CALIFORNIA AMENDMENTS) 2022 CA ELECTRICAL CODE - CCR, TITLE 24, PART 3 (2020 NEC AND CALIFORNIA AMENDMENTS) 2022 CA MECHANICAL CODE - CCR, TITLE 24, PART 4 (2021 UMC AND CALIFORNIA AMENDMENTS) 2022 CA PLUMBING CODE - CCR, TITLE 24, PART 5 (2021 UPC AND CALIFORNIA AMENDMENTS) 2022 CA FIRE CODE - CCR, TITLE 24, PART 9 (2021 IFC AND CALIFORNIA AMENDMENTS) 2022 CA REFERENCE STANDARDS CODE - CCR, TITLE 24, PART 12 2022 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS AND 2022 CALIFORNIA AMENDMENTS 2022 NFPA 72, NATIONAL FIRE ALARM CODE, AND 2022 CALIFORNIA AMENDMENTS PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS - CCR, TITLE 19 DSA GUIDELINES FOR FIRE AND LIFE SAFETY SYSTEMS, DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES.		
FIRE ALARM GENERAL NOTES		
- UNDERGROUND AND EXTERIOR CONDUITS WILL HAVE WATERTIGHT FITTINGS. (CEC 110.11 AND CEC 300.6) - OUTLETS ON OPPOSITE SIDES OF A FIRE RATED WALL SHALL BE INSTALLED WITH A MINIMUM HORIZONTAL SPACING OF TWO FEET. - FIRE ALARM DEVICE MOUNTING HEIGHTS SHALL BE AS FOLLOWS: - PULL STATION - OPERABLE PART OF A MANUALLY ACTUATED ALARM INITIATING DEVICE SHALL BE NOT LESS THAN 42" FROM FINISHED FLOOR, AND TOP OF BOX SHALL NOT BE MORE THAN 48" FROM FINISHED FLOOR. (CBC 11B 308.1.1, NFPA 72 17.14.5) - INTERIOR AUDIBLE NOTIFICATION APPLIANCE - AT LEAST 90" TO THE TOP OF DEVICE ABOVE FINISHED FLOOR AND NOT LESS THAN 6" BELOW FINISHED CEILING. (NFPA 72 18.4.8.1) - WALL-MOUNTED STROBE OR SPEAKER/STROBE - AT LEAST 80" TO BOTTOM OF LENS AND NOT GREATER THAN 96" TO TOP OF LENS ABOVE FINISHED FLOOR. (NFPA 72 18.5.5.1) - AUDIBLE SIGNAL DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL BE SO LOCATED AND UNOBSTRUCTED AS TO CAUSE A LEVEL OF AUDIBILITY OF AT LEAST 15 dBA ABOVE AVERAGE AMBIENT SOUND LEVEL BUT NOT LESS THAN 75 dBA AT TEN FEET, OR MORE THAN 110 dBA IN TOTAL. (NFPA 72 18.4.3.1, 18.4.1.2 AND CFC 907.5.2.1.2) - AMBIENT NOISE LEVELS SHALL BE CONSTRUED TO MEAN THAT WHICH CAN NORMALLY BE EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATIVE OR WORKING CONDITIONS. (CFC 907.5.2.1.1) - AUDIBLE DEVICES SHALL SOUND THE CA UNIFORM FIRE ALARM SIGNAL IN TEMPORAL MODE. PROVIDE AT LEAST ONE EXTERIOR AUDIBLE DEVICE ON BUILDING FOR E OCCUPANCIES. (CFC 907.5.2.1.3) - EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM SHALL COMPLY WITH CBC 907.2.3 AND NFPA 72 24.4.2 - VISUAL DEVICES SHALL NOT EXCEED TWO FLASHES PER SECOND AND SHALL NOT BE SLOWER THAN ONE FLASH EVERY SECOND. (NFPA 72 18.5.3.1) - AUTOMATIC SMOKE DETECTION SHALL BE PROVIDED AT THE LOCATION OF EACH FIRE ALARM CONTROL UNIT, NOTIFICATION APPLIANCE CIRCUIT POWER EXTENDER AND SUPERVISING STATION TRANSMITTING EQUIPMENT TO PROVIDE NOTIFICATION OF FIRE AT THAT LOCATION. (NFPA 72 10.4.4) - BRANCH CIRCUITS PROTECTING FIRE ALARM EQUIPMENT SHALL BE LABELED PER NFPA 72 10.6.5.2.2 AND SHALL INCLUDE A LISTED CIRCUIT BREAKER LOCKING DEVICE PER NFPA 72 10.6.5.4 - COMPLETE THE NFPA 72 RECORD OF COMPLETION, TESTING ALL DEVICES AND APPLIANCES. PROVIDE A COPY OF THE COMPLETED RECORD OF COMPLETION TO THE OWNER (SCHOOL DISTRICT), ARCHITECT, LOCAL FIRE AUTHORITY, AND DSA VIA THE PROJECT INSPECTOR. TESTING OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE LOCAL FIRE AUTHORITY AND THE DSA INSPECTOR OF RECORD (IOR). FINAL TEST SHALL INCLUDE READ OUT VERIFICATION FORM FROM CENTER STATION. - THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATIONS (CFC 907.8.5, NFPA 72 14.4.1.1, NFPA 72 14.5) - UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN PRESENCE OF A DSA PROJECT INSPECTOR.		
FIRE ALARM CODES AND NOTES		N.T.S. 19

FIRE ALARM SYSTEM OPERATIONAL MATRIX					
DEVICE	ACTIVATE EVACUATION SIGNALS/STROBES	SHUTDOWN FIRE/SMOKE DAMPER, OR ACTIVATE SMOKE VENT RELEASE	SHUTDOWN HVAC EQUIPMENT	ANNUNCIATE AT BUILDING FACP AND ALL REMOTE ANNUNCIATORS	SEND SIGNAL TO CENTRAL STATION
FIRE ALARM PANEL SYSTEM TROUBLE				×	×
SMOKE DETECTOR	×			×	×
HEAT DETECTOR	×			×	×

FIRE ALARM SYSTEM OPERATIONAL MATRIX

N.T.S. 16

FIRE ALARM SYSTEM EQUIPMENT LEGEND	
SYMBOL	DESCRIPTION
FACP	EXISTING FIRE ALARM CONTROL PANEL 'FACP': GAMEWELL-FCI E3 SERIES W/AUTOMATIC CHARGING SYSTEM C.S.F.M. #7165-1703.0125
ANN	EXISTING FIRE ALARM LCD REMOTE ANNUNCIATOR: GAMEWELL-FCI #NGA AND CABINET C.S.F.M. #7165-1703.0125
M	EXISTING PAGING MICROPHONE IN REMOTE ENCLOSURE: GAMEWELL-FCI #NCC-MIC C.S.F.M. #7165-1703.0125
FABP	NEW FIRE ALARM BOOSTER PANEL 'FABP': HONEYWELL #HPFF6 W/ AUTOMATIC CHARGING SYSTEM C.S.F.M. #7315-1637.0102
CR	NEW CONTROL RELAY MODULE: GAMEWELL-FCI #AOM-2SF C.S.F.M. #7300-1703.0102
SD	NEW ADDRESSABLE SMOKE DETECTOR AND BASE (ON CEILING): GAMEWELL-FCI #ASD-PL2F / SYSTEM SENSOR #B501 C.S.F.M. #7272-1703.0121/7300-1653.0109
HD	NEW ADDRESSABLE HEAT DETECTOR AND BASE (IN ATTIC): GAMEWELL-FCI #ATD-HL2F / SYSTEM SENSOR #B501 C.S.F.M. #7270-1703.0115/7300-1653.0109
SV	NEW SPEAKER/STROBE ANNUNCIATOR - WALL MOUNTED (XX REPRESENTS CANDELA) : SYSTEM SENSOR # SP5W C.S.F.M. #7320-1653.0201
S	NEW WEATHERPROOF SPEAKER - WALL MOUNTED, OUTDOOR : SYSTEM SENSOR #SPRK C.S.F.M. #7320-1653.0201

FIRE ALARM LEGEND

N.T.S. 13

FIRE ALARM MONITORING NOTE

AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY CFC CHAPTER 80. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UIJFX OR UIJUS 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.

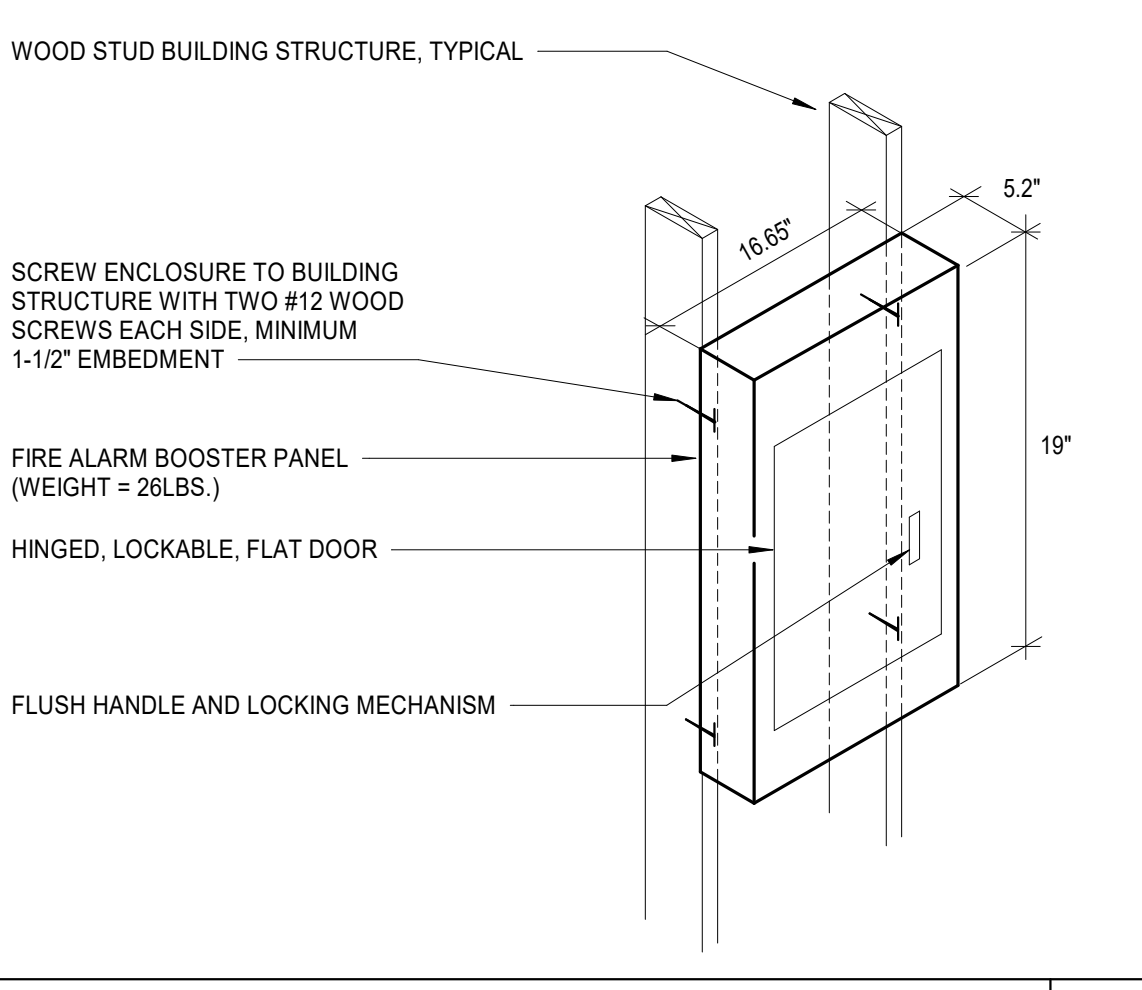
FIRE ALARM MONITORING NOTE

N.T.S. 14

SB575 - GREEN OAKS FAMILY ACADEMY ELEMENTARY SCHOOL FIRE PROTECTION ACT REQUIREMENTS FOR AUTOMATIC FIRE ALARM SYSTEMS	
THE FIRE DETECTION AND ALARM SYSTEM FOR THE AREAS AND/OR BUILDINGS WITHIN THE SCOPE OF WORK OF THIS PROJECT:	
☒ COMPLIES WITH SB575	
☐ A FULLY-AUTOMATIC SYSTEM HAS BEEN DESIGNED FOR ALL AREAS, OR	
☐ THE AREAS AND/OR BUILDINGS ARE SPRINKLERED ABOVE THE CEILING. SO HEAT DETECTORS ARE EXEMPTED FROM ABOVE-CEILING AREAS. THE SYSTEM IS OTHERWISE FULLY AUTOMATIC.	
☒ AN AUTOMATIC DIALER TO A UL-APPROVED CENTRAL STATION:	
☐ IS EXISTING, OR	
☐ IS INCLUDED AS PART OF THIS PROJECT.	
☐ IS EXEMPT FROM SB575	
☐ THE TOTAL PROJECT CONSTRUCTION VALUE IS LESS THAN \$200,000, OR	
☐ THE PROJECT CONSISTS OF ONLY MODULAR BUILDINGS WHICH ARE TEMPORARY; THESE BUILDINGS SHALL BE REMOVED NO MORE THAN THREE YEARS FROM THE INSTALLATION DATE UNLESS A THREE-YEAR EXTENSION IS APPROVED BY DSA, OR	
☐ THE PROJECT IS NOT FUNDED UNDER CHAPTER 12.5 OF THE LEROY F. GREENE SCHOOL FACILITIES ACT. IT WILL BE 100% FUNDED BY LOCAL FUNDS.	

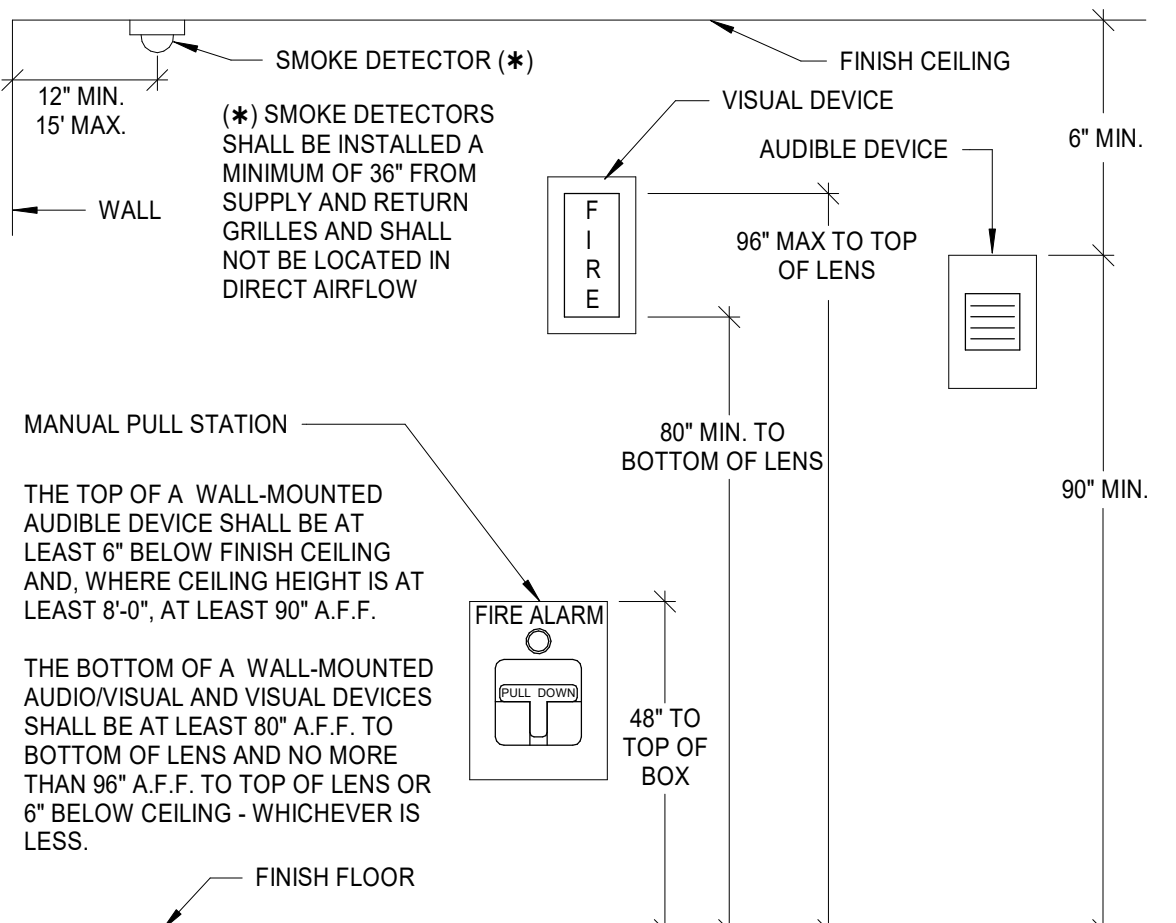
SB575

N.T.S. 16



FIRE ALARM BOOSTER PANEL MT'G

N.T.S. 9



FIRE ALARM DEVICE ELEVATIONS

N.T.S. 10

(E) FIRE ALARM CONTROL PANEL 'FACP-A' BATTERY CALCULATIONS

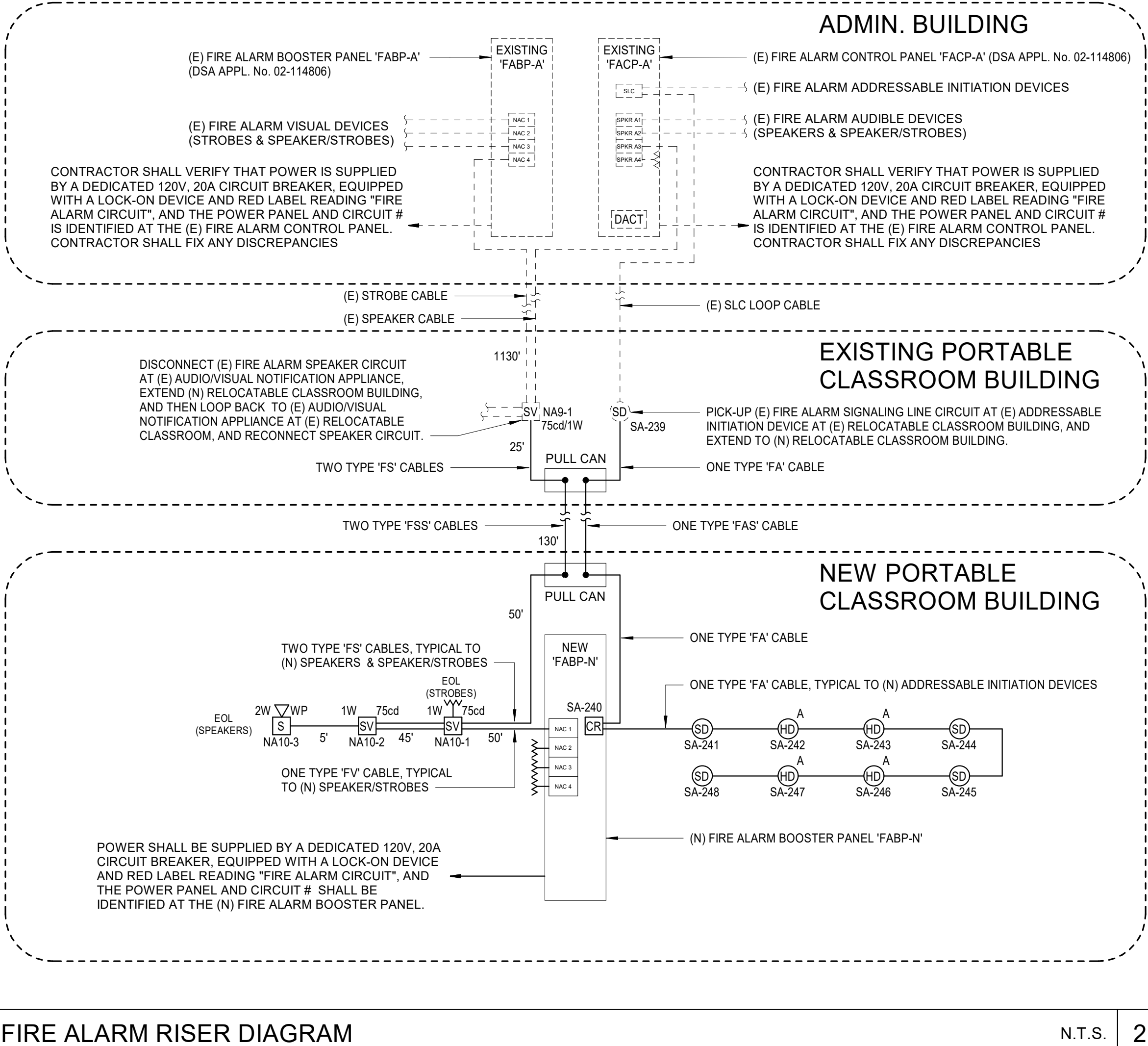
QTY.	DEVICE	DESCRIPTION	STANDBY CURRENT/DEVICE	STANDBY CURRENT	ALARM CURRENT/DEVICE	ALARM CURRENT
EXISTING DEVICES						
1	FACP	GameWell-FCI #E3 FACP w/ DACT	0.30300	0.30300	6.49500	6.49500
1	F	GameWell-FCI #MS7-AF Addressable Manual Pull Station	0.00030	0.00030	0.00300	0.00300
3	AM	GameWell-FCI #AMM-4F Addressable Monitor Module	0.00038	0.00113	0.00500	0.01500
12	CR	GameWell-FCI #AOM-2SF Addressable Output Module	0.00038	0.00450	0.00650	0.07800
168	SD	GameWell-FCI #ASD-PL2F Addressable Smoke Detector	0.00030	0.05040	0.00650	1.09200
118	HD	GameWell-FCI #ATD-HL2F Addressable Heat Detector	0.00030	0.03540	0.00650	0.76700
NEW INITIATION DEVICES						
4	SD	GameWell-FCI #ASD-PL2F Addressable Smoke Detector	0.00030	0.00120	0.00650	0.02600
4	HD	GameWell-FCI #ATD-HL2F Addressable Heat Detector	0.00030	0.00120	0.00650	0.02600
1	CR	GameWell-FCI #AOM-2SF Addressable Output Module	0.00038	0.00038	0.00650	0.00650
TOTALS				0.3975		8.5085
TOTAL ALARM AMP-HOURS (15 MIN....)			0.25	HR	x	8.509
TOTAL STANDBY AMP-HOURS (24 HRS....)			24	HR	x	0.398
TOTAL REQUIRED AMP-HOURS =						11.6671 A-H
TOTAL DESIGN AMP-HOURS WITH 25% SAFETY FACTOR =						14.5839 A-H
PROVIDE NEW BATTERIES						18.000 A-H

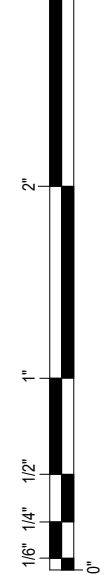
(N) 'FABP-N' - NAC 1 VOLTAGE DROP CALCULATION

QTY.	DEVICE	DESCR...	ALARM CURRENT/DEVICE	ALARM CURRENT
2	SV75	HORN/STROBE (75cd), WALL MOUNTED	0.1580	0.3160
TOTAL CURRENT ADDED TO CIRCUIT				0.316
LENGTH OF WIRE FROM FACP TO LAST DEVICE (IN FEET) =				100
ACTUAL SIZE OF WIRE INSTALLED =			12 A...	6530 CIRCULAR...
CALCULATED VOLTAGE DROP (IN VDC) =				0.105
CIRCUIT VOLTAGE CALCULATED AT LAST DEVICE (IN VDC) =				23.9 VDC
PERCENT VOLTAGE DROP (%) =				0.44 %
VOLTAGE DROP FORMULA:				
VOLTAGE DROP = 2 X 10.8 x LENGTH OF CIRCUIT TO FARTHEST DEVICE x CURRENT				
WIRE SIZE IN C.M.				
COMPUTED WITH TOTAL CURRENT ON CIRCUIT AT MAXIMUM LENGTH (CLASS A CIRCUIT).				

FIRE ALARM SYSTEM BATTERY AND VOLTAGE DROP CLACULATIONS

N.T.S. 4





FIRE ALARM CABLE SCHEDULE						
CABLE DESIGNATION	DESCRIPTION	MANUFACTURER & CATALOG #	OUTER JACKET COLOR	SYSTEM	USE	C.S.F.M.
'FA'	1 PR, #16 AWG SOLID UNSHIELDED FPL	WEST PENN #D990	RED	FIRE ALARM	ADDRESSABLE SLC LOOP CABLE INTERIOR/INDOOR	#7160-0859-0102
'FAS'	1 PR, #16 AWG STRANDED UNSHIELDED AQUASEAL FPL	WEST PENN #AQC225	BLACK	FIRE ALARM	ADDRESSABLE SLC LOOP CABLE EXTERIOR/OUTDOOR	#7160-0859-0102
'FS'	1 PR, #14 AWG SOLID SHIELDED FPLP	WEST PENN #60992B	RED	FIRE ALARM	AUDIBLE SPEAKER CABLE INTERIOR/INDOOR	#7160-0859-0102
'FSS'	1 PR, #14 AWG SOLID SHIELDED AQUASEAL FPL	WEST PENN #AQC295	BLACK	FIRE ALARM	AUDIBLE SPEAKER CABLE EXTERIOR/OUTDOOR	#7160-0859-0102
'FV'	1 PR, #12 AWG SOLID UNSHIELDED FPLP	WEST PENN #60995B	RED	FIRE ALARM	VISUAL STROBE NOTIFICATION APPLIANCE CIRCUIT - INTERIOR/INDOOR	#7160-0859-0102

FIRE ALARM CABLE SCHEDULE

N.T.S.

13

TELECOMMUNICATION CABLE SCHEDULE					
CABLE DESIGNATION	DESCRIPTION	MANUFACTURER & CATALOG #	OUTER JACKET COLOR	SYSTEM	USE
'SFO'	12-STRAND SINGLE-MODE FIBER OPTIC CABLE	CORNING SMF-28e+ OR EQUIVALENT	BLACK	DATA	SITE OPTICAL FIBER DATA NETWORK
'D'	4 UTP #24 AWG CATEGORY 6 FILLED OUTDOOR	COMMSCOPE MEDIA 6 #6NF4+	BLACK	DATA	HORIZONTAL DATA CABLE - OUTDOOR
'D10'	4 UTP #23 AWG CATEGORY 6A CMP PLENUM RATED	BERK-TEK LANMARK-10G2	ORANGE	DATA (WAP)	HORIZONTAL DATA WAP CABLE - INDOOR
'T'	4 UTP #23 AWG CATEGORY 6A CMP PLENUM RATED	BERK-TEX LANMARK-1000	WHITE	TELEPHONE	BUILDING TELEPHONE CABLE

TELECOMMUNICATIONS CABLE SCHEDULE

N.T.S.

14

TRANSFORMER SCHEDULE							
TRANSFORMER DESIGNATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	KVA RATING	SUPPLY-SIDE & SYSTEM BONDING JUMPER SIZES	ENCLOSURE	DIMENSIONS	
						HEIGHT	WIDTH
TDFR	480V DELTA	120/208V Y 3φ	75	#2 CU	NEMA 3R	33.50"	30.06"
						27.43"	622 LBS.

TRANSFORMER SCHEDULE NOTES:

1. TRANSFORMER SHALL BE COMPLIANT WITH DOE 2016 ENERGY EFFICIENCY STANDARD.
2. TRANSFORMER GROUND PER DETAIL 4/E600.

TRANSFORMER SCHEDULE

N.T.S.

15

CODES, RULES & REGULATIONS

ALL WORK SHOWN HEREIN SHALL COMPLY WITH THE CURRENT REGULATIONS OF THE CALIFORNIA STATE FIRE MARSHAL, CALIFORNIA BUILDING CODE, TITLES 8 AND 19 THROUGH 24, SERVING UTILITY RULES AND ALL OTHER APPLICABLE STATE ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS SHALL BE INTERPRETED AS TO PERMIT ANY WORK NOT IN CONFORMANCE WITH THESE CODES, RULES AND REGULATIONS. WHERE WORK OF A GREATER DEGREE IS INDICATED IN THESE PLANS OR SPECIFICATIONS, THAT REQUIREMENT SHALL GOVERN SUCH WORK.

C.E.C. TITLE 24 COMPLIANCE

THE LIGHTING AND LIGHTING CONTROL SYSTEMS DESIGN DEPICTED HEREIN IS IN COMPLIANCE WITH REQUIREMENTS OF THE CURRENT CALIFORNIA ENERGY COMMISSION EFFICIENCY STANDARDS FOR NONRESIDENTIAL BUILDINGS.

GENERAL NOTES (TYPICAL)

1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNTED ELECTRICAL EQUIPMENT.
2. REFER TO THE MECHANICAL AND PLUMBING PLANS FOR THE EXACT LOCATION OF ALL MECHANICAL, HVAC AND PLUMBING EQUIPMENT.
3. VERIFY THE EXACT LOCATION OF ALL FLOOR BOXES AND ASSOCIATED TRENCH, BACKFILL AND SAWCUTTING REQUIREMENTS WITH THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY ROUGH-IN WORK FOR THIS EQUIPMENT.
4. COORDINATE ELECTRICAL PANEL AND TERMINAL CABINET LOCATIONS AND ROUTING OF UNDERGROUND CONDUITS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO COMMENCEMENT OF ANY ROUGH-IN WORK FOR THIS EQUIPMENT.
5. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES WHOSE WORK WILL IMPACT PLACEMENT OR CONNECTION OF ELECTRICALLY POWERED EQUIPMENT REGARDLESS OF RESPONSIBILITY FOR SUPPLYING EQUIPMENT.

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.

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

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

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

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

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

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), AND 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) PREAPPROVAL (OPM#) _____, AS INCLUDED IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND DETAILS.

GENERAL NOTES

N.T.S.

12

ELECTRICAL SYMBOL LEGEND

DIMENSIONS INDICATED ARE MEASURED TO CENTERLINE OF ENCLOSURE, UNLESS OTHERWISE NOTED
NOTE: SOME SYMBOLS SHOWN MAY NOT APPLY TO THIS PROJECT

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
E.P.	DENOTES EXPLOSION PROOF CONSTRUCTION	\$ a	SINGLE POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
D.T.	DENOTES DUST TIGHT CONSTRUCTION	\$ 2	TWO POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
O.C.	DENOTES SPACING DIMENSION ON CENTER LINE OF DEVICE	\$ 3	THREE WAY AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
R.T.	DENOTES RAIN TIGHT CONSTRUCTION	\$ 4	FOUR WAY AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
U.G.	DENOTES UNDERGROUND INSTALLATION	\$ M	HORSEPOWER RATED AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
V.P.	DENOTES VAPOR TIGHT CONSTRUCTION	\$ P	SINGLE POLE AC SNAP SWITCH WITH PILOT LAMP @ +48" TO TOP OF BOX, U.O.N.
W.P.	DENOTES WEATHERPROOF CONSTRUCTION	\$ T	DIGITAL TIMER SWITCH, FLUSH MOUNTED @ +48" TO TOP OF BOX, U.O.N.
W.T.	DENOTES WATER TIGHT CONSTRUCTION	\$ A	SINGLE POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
A.F.F.	DENOTES ABOVE FINISHED FLOOR	\$ K	KEY OPERATED AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
A.F.G.	DENOTES ABOVE FINISHED GRADE	(S)	WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR @ +48" TO TOP OF BOX, U.O.N.
F.B.O.	DENOTES FURNISHED BY OTHERS	(M)	OCCUPANCY SENSOR - CEILING MOUNTED
U.O.N.	DENOTES UNLESS OTHERWISE NOTED	(M) W	OCCUPANCY SENSOR - WALL MOUNTED @ +90" TO TOP OF BOX, U.O.N.
(E)	DENOTES EXISTING TO REMAIN, NO WORK U.O.N.	(P)	LIGHTING CONTROL SYSTEM DIMMING/POWER PACK MOUNTED IN ATTIC
(N)	DENOTES NEW	(RP)	LIGHTING CONTROL SYSTEM PLUG LOAD RELAY PACK MOUNTED IN ATTIC
①	ELECTRICAL KEYNOTES: DENOTES KEYNOTE #1 OF NOTES ON SAME SHEET	(C1)	LIGHTING CONTROL SYSTEM 2-BUTTON DIMMING WALL SWITCH @ +48" TO TOP OF BOX, U.O.N.
A-3	CIRCUIT HOME RUN: DENOTES PANEL A, CKT. #3, - 3/4" MINIMUM, U.O.N.	(C4)	LIGHTING CONTROL SYSTEM 4-BUTTON DIMMING WALL SWITCH @ +48" TO TOP OF BOX, U.O.N.
①	CIRCUIT FEEDER: DENOTES FEEDER 'F' PER SYSTEM FEEDER SCHEDULE	(C1) L	LIGHTING CONTROL SYSTEM DIMMING WALL SWITCH WITH LOCKING COVER @ +48" TO TOP OF BOX, U.O.N.
---	CONDUIT IN ATTIC/WALL: DENOTES 3/4" C-2H12 AWG CU THWN, 1#12 CU GND, U.O.N.	(DS)	LIGHTING CONTROL SYSTEM DAYLIGHT SENSOR - CEILING MOUNTED
---	CONDUIT IN FLOOR/U.G.: DENOTES 3/4" C-2H12 AWG CU THWN, 1#12 CU GND, U.O.N.	(NB)	LIGHTING CONTROL SYSTEM NETWORK BRIDGE
---	DENOTES EXISTING CONDUIT RUN TO REMAIN	(NG)	LIGHTING CONTROL SYSTEM NETWORK GATEWAY
---	CONDUIT RUN - STUBBED, CAPPED AND LABELED.	(AD)	LIGHTING CONTROL SYSTEM AUTOMATED DEMAND RESPONSE MODULE
---	CONDUIT RUN: DENOTES 3/4" - 3 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.	(TC)	LIGHTING CONTROL SYSTEM TIME CLOCK
---	CONDUIT RUN: DENOTES 3/4" - 4 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.	(PC)	PHOTOCELL CONTROL, MOUNTED ON ROOF
---	CONDUIT RUN: DENOTES 3/4" - 5 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.	(T)	LOW VOLTAGE CONTROL TRANSFORMER
---	CONDUIT RUN: DENOTES 1" C- 6 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.		
(S) (D)	SEPARATE POWER AND DATA FLOOR BOXES (2)	ZZZ	ELECTRICAL PANELBOARD PER PLANS, FLUSH MOUNTED IN WALL (4)
(S) (D)	FLUSH FLOOR BOX WITH DEVICE(S) INSTALLED PER PLANS, U.O.N. (2)	ZZZ	ELECTRICAL PANELBOARD PER PLANS, SURFACE MOUNTED ON WALL
(S) (D)	TAMPER-RESISTANT SINGLE RECEPTACLE IN WALL @ +18", U.O.N.	---	TERMINAL CABINET PER PLANS, FLUSH MOUNTED IN WALL (5)
(S) (D)	TAMPER-RESISTANT DUPLEX RECEPTACLE IN WALL @ +18", U.O.N.	---	TERMINAL CABINET PER PLANS, SURFACE MOUNTED ON WALL
(S) (D)	TAMPER-RESISTANT DUPLEX GFCI RECEPTACLE, IN WALL @ +18", U.O.N.	---	LIGHTING CONTROL PANEL PER PLANS, FLUSH MOUNTED IN WALL (5)
(S) (D)	TAMPER-RESISTANT SWITCHED GFCI RECEPTACLE IN WALL @ +18" A.F.F. U.O.N. (OCC. SENSOR OR WALL SWITCH IS CONTROLLED)	---	LIGHTING CONTROL PANEL PER PLANS, SURFACE MOUNTED ON WALL
(S) (D)	TAMPER-RESISTANT WEATHER RESISTANT (WR) DUPLEX GFCI RECEPTACLE W/ W.P. COVER @ +18", U.O.N.	---	FIRE ALARM PANEL PER PLANS, FLUSH MOUNTED IN WALL (5)
(S) (D)	TAMPER-RESISTANT DUPLEX ISOLATED GROUND RECEPTACLE IN WALL @ +18", U.O.N. (7)	---	FIRE ALARM PANEL PER PLANS, SURFACE MOUNTED ON WALL
(S) (D)	TAMPER-RESISTANT QUADRUPLX RECEPTACLE IN WALL @ +18", U.O.N.		
(S) (D)	SPECIAL PURPOSE ELECTRICAL OUTLET PER PLAN IN WALL @ 18" U.O.N.	(S) WP	EXTERIOR SPEAKER (WALL MOUNTED), ELEVATION AS NOTED
(S) (D)	DUPLEX RECEPTACLE FLUSH IN CEILING	(S)	SPEAKER IN CEILING, U.O.N.
(S) (D)	TAMPER-RESISTANT QUADRUPLX RECEPTACLE IN WALL @ +18" A.F.F. U.O.N. ONE UNSWITCHED RECEPTACLE AND ONE SWITCHED (OCC. SENSOR CONTROLLED) RECEPTACLE	(S) (D)	SPEAKER/CLOCK IN COMMON BACKBOX PER PLAN @ 12" BELOW CEILING, U.O.N.
(S) (D)	JUNCTION BOX	(C)	WALL CLOCK PER PLAN @ 12" BELOW CEILING, U.O.N.
(S) (D)	JUNCTION BOX WITH FLEXIBLE CONDUIT CONNECTION TO EQUIPMENT	(S)	SPEAKER ON WALL @ 12" BELOW CEILING, U.O.N. (3)
(S) (D)	NON-FUSIBLE DISCONNECT SWITCH	(MD)	INTRUSION ALARM SYSTEM MOTION DETECTOR (WALL MOUNTED) (3)
(S) (D)	FUSIBLE DISCONNECT SWITCH	(DC)	INTRUSION ALARM SYSTEM MAGNETIC DOOR CONTACT (3)
(S) (D)	FUSIBLE DISCONNECT SWITCH WITH INTEGRAL MAGNETIC STARTER	(WC)	INTRUSION ALARM SYSTEM MAGNETIC WINDOW CONTACT (3)
(S) (D)	ELECTRIC MOTOR	(GB)	INTRUSION ALARM SYSTEM GLASS BREAK DETECTOR (3)
(S) (D)	EXHAUST FAN OR FRACTIONAL HORSEPOWER MOTOR	(KP)	INTRUSION ALARM SYSTEM KEYPAD (WALL MOUNTED) (3)
(S) (D)	SURFACE MOUNTED RACEWAY, MOUNT @ +18" A.F.F. U.O.N.	(CR)	INTRUSION ALARM SYSTEM CARD READER (WALL MOUNTED) (3)
(S) (D)	RECESSED LED LIGHTING FIXTURE	(FR)	INTRUSION ALARM SYSTEM FOB READER (WALL MOUNTED) (3)
(S) (D)	RECESSED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	(SC)	SECURITY CAMERA (WALL MOUNTED) ROUGH-IN LOCATION PER PLAN (3)
(S) (D)	SURFACE MOUNTED LED LIGHTING FIXTURE		
(S) (D)	SURFACE MOUNTED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	(SD)	FIRE ALARM SMOKE DETECTOR ON CEILING, U.O.N.
(S) (D)	SURFACE MOUNTED LED STRIP LIGHT	(HD)	FIRE ALARM HEAT DETECTOR ON CEILING, U.O.N.
(S) (D)	SURFACE MOUNTED LED STRIP LIGHT WITH EMERGENCY BATTERY BACKUP	(HD) A	FIRE ALARM HEAT DETECTOR IN ATTIC U.O.N.
(S) (D)	POST TOP MOUNTED LIGHTING FIXTURE	(DD)	FIRE ALARM DUCT DETECTOR IN HVAC DUCT
(S) (D)	WALL MOUNTED LIGHTING FIXTURE	(DR)	FIRE ALARM DOOR RELEASE
(S) (D)	WALL MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	(CR)	FIRE ALARM ADDRESSABLE CONTROL RELAY MODULE
(S) (D)	CEILING MOUNTED LIGHTING FIXTURE	(CS)	FIRE ALARM ADDRESSABLE INPUT/OUTPUT MODULE
(S) (D)	CEILING MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	(AM)	FIRE ALARM INDIVIDUAL ADDRESSABLE MODULE
(S) (D)	RECESSED LIGHTING FIXTURE	(SM)	FIRE ALARM SYNC MODULE
(S) (D)	RECESSED FIXTURE WITH EMERGENCY BATTERY BACKUP	(F)	FIRE ALARM MANUAL PULL STATION @ +48" TO TOP OF BOX, U.O.N.
(S) (D)	SURFACE MOUNTED ROUND LIGHTING FIXTURE	(WF)	FIRE ALARM WATERFLOW DETECTION SWITCH
(S) (D)	SURFACE MOUNTED ROUND LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	(WT)	FIRE ALARM ADDRESSABLE WATERFLOW / TAMPER SWITCH MODULE
(S) (D)	ILLUMINATED EXIT SIGN MOUNTED ON CEILING	(TS)	FIRE ALARM TAMPER SWITCH
(S) (D)	ILLUMINATED EXIT SIGN MOUNTED ON WALL	(V)	FIRE ALARM VISUAL ALARM UNIT (WALL @ +80" MINIMUM, U.O.N.)
(S) (D)	LOW LEVEL PHOTO LUMINESCENT EXIT SIGN MOUNTED ON WALL	(V)	FIRE ALARM VISUAL ALARM UNIT (CEILING)
(S) (D)	POLE MOUNTED EXTERIOR LIGHTING FIXTURE	(AV)	FIRE ALARM HORN/STROBE ALARM UNIT (WALL @ +80" MINIMUM, U.O.N.)
(S) (D)		(AV)	FIRE ALARM HORN/STROBE ALARM UNIT (CEILING)
2/2	COMBINATION VOICE AND DATA OUTLET IN WALL, WITH TWO 'D' CABLES TO IDF + TWO 'T' CABLES TO TELEPHONE BACKBOARD (1) (6)	(H)	INTERIOR FIRE ALARM HORN (WALL @ +10'-0", U.O.N.)
X>	DATA OUTLET IN WALL @ +18" U.O.N. WITH 'D' CABLES TO IDF OR MDF (SUBSCRIPT INDICATES QUANTITY OF CABLES AND STATION SIDE JACKS) (1) (6)	(H)	EXTERIOR FIRE ALARM HORN (EXTERIOR WALL)
TV>	TELEVISION OUTLET IN WALL @ +18", U.O.N. (1)	(SV)	VOICE EVACUATION SPEAKER/STROBE ALARM UNIT (WALL @ +80" MINIMUM, U.O.N.)
M>	MICROPHONE OUTLET IN WALL @ +18", U.O.N. (1)	(SV)	VOICE EVACUATION SPEAKER/STROBE ALARM UNIT (CEILING)
S>	SPEAKER OUTLET IN WALL @ +18", U.O.N. (1)	(S)	EXTERIOR VOICE EVACUATION SPEAKER (EXTERIOR WALL)
IC>	INTERCOMMUNICATIONS HANDSET ON WALL @ +48" TO TOP OF BOX, U.O.N.	WY	FIRE ALARM CIRCUIT END OF LINE RESISTOR
[WAP]	WIRELESS ACCESS POINT LOCATION, PROVIDE TWO TYPE 'D' CABLES TO IDF OR MDF		

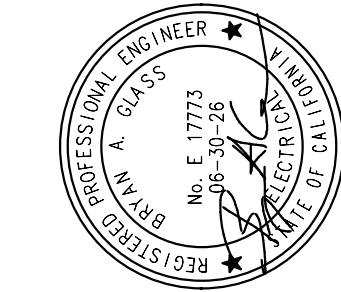
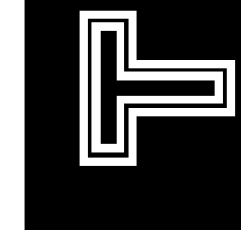
ELECTRICAL SYMBOLS NOTES:

- (1) RUN 1" C CONCEALED IN WALL AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING, U.O.N.
- (2) RUN 1" C TO NEAREST WALL, THEN RISE CONCEALED IN WALL AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING, U.O.N. FOR SINGLE SYSTEMS INDIVIDUAL FLOORBOXES. WHERE MULTIPLE SYSTEMS OCCUR WITHIN A COMMON FLOOR BOX, RUN TWO 1" C PER ABOVE.
- (3) SYSTEM IS ROUGH IN ONLY, PROVIDE BACKBOX, BLANK COVERPLATE AND CONDUIT STUB PER DETAIL PLANS.
- (4) IN ADDITION TO CONDUITS SHOWN ON PLANS, STUB ONE 1 1/4" C, ONE 1" C, AND TWO 3/4" C (SPARE) INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING, U.O.N. THIS REQUIREMENT APPLIES TO EACH POWER AND LIGHTING PANEL INDICATED FLUSH MOUNTED ON POWER PLAN.
- (5) IN ADDITION TO CONDUITS SHOWN ON PLANS, STUB ONE 1" C AND TWO 3/4" C (SPARE) INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING U.O.N. REQUIREMENT APPLIES TO EACH SIGNAL SYSTEM T.C. INDICATED FLUSH MOUNTED ON SIGNAL PLAN.
- (6) 4S BACKBOX WITH SINGLE GANG TRIM AND COVERPLATE.

SYMBOL LEGEND AND NOTES

N.T.S.

4



MARK	DATE	DESCRIPTION
A	06/02/25	BID DOCUMENTS

Teter, Inc. expressly reserves its common law copyright and other property rights in these plans. This document, the ideas and designs incorporated herein, as an instrument of professional service, is not to be used for any other project without prior written authorization.



24 X 40 RELOCATABLE CLASSROOMS
WILLIAMS-SCOTSMAN

TEST AND INSPECTION LIST

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

STATE OF CALIFORNIA
DEPT. OF GENERAL SERVICES
DIVISION OF THE
STATE ARCHITECT
STRUCTURAL
TESTS
AND
INSPECTIONS
ORS 103-1 (R 11/85)

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

COMPACTED FILL	CON- CRETE	GUNITE	GROUT	MORTAR
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
Bearing capacity of compacted fill				Continuous batch plant inspection
REINFORCING STEEL				Inspect, placing
Sample and test bar steel				Sample
Sample and test mesh				Compressive tests
Inspect placing at job				Pick up samples at job
STRUCTURAL STEEL				Sample delivered to laboratory
Sample and test as detailed below				Deliver sample forms to jobsite
Shop fabrication inspection				Sample and test cement
Field erection inspection				
Inspection of welds - Shop				
Inspection of welds - Field				
Inspection of drilling or bolting - Shop				
Inspection of drilling 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:
3 1/2" x 3 1/2" x 1/4" SQ. COL. TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2212.A.1
10 ga. & 12 ga. ROOF CEE
6 3/4"x14 GA. JOISTS 6" x 14 ga. ROOF JOIST 3 1/2" x 10 ga. ALT. JOIST
6 3/8" x 12 ga. ALT. JOIST 4" x 12ga. ROOF JOIST-ALT. 2"x16 ga. STRAPS

Other Tests and Inspections, together with special instructions:
GROUNDING TEST
EXPANSION ANCHORS
EPOXY ANCHORS

Copies of Reports to:
DSA/ORS
AMERICAN MODULAR SYSTEMS, INC.
SCHOOL DISTRICT
ARCHITECT

By: _____
AUTHORIZED REPRESENTATIVE

INDEX

SHEET No. DESCRIPTION

TS-1	TITLE & BUILDING DATA NOTES
N-1	GENERAL NOTES
1	FLOOR PLAN & NOTES
2	EXTERIOR ELEVATIONS
3	CEILING GRID, DETAILS & NOTES
4	INTERIOR ELEVATIONS & OPTIONAL PLANS
S1	FOUNDATION PLAN WOOD, DETAILS & NOTES 50#
S2	FLOOR FRAMING PLANS
S2A	BUILDING SECTIONS & WALL DETAILS
S3	ROOF FRAMING PLAN & DETAILS
S3A	ROOF FRAMING DETAILS
S4	FRAMING ELEVATIONS & DETAILS
S5R	RAMP PLAN, ELEVATION & DETAILS
M1	MECHANICAL PLAN, DETAILS & NOTES
E1	ELECTRICAL PLAN, DETAILS & NOTES

WILLSCOT
FROM STOCKPILE TO SITE SPECIFIC
RELOCATION PACKAGE FOR
MERCED CITY SD
CHENOWETH ES
(x2) R.H. 24x40 CLASSROOM BLDGS
SNs: 01-560-12a & 12b, 01-560-30a & 30b

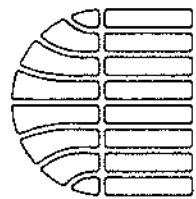
BUILDING DATA
CLASSROOMS

OCCUPANCY	E-2
TYPE OF CONSTRUCTION	V - NON-RATED
WIND LOAD (80 MPH EXPOSURE C)	21 LBS/SQ FT
FLOOR LIVE LOAD	50 LBS/SQ FT
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE)
RAMP LIVE LOAD	100 LBS/SQ FT
BUILDING AREA	960 SQ FT
FIRE MARSHAL- CALIFORNIA BUILDING CODE (CBC)	TITLE 24, PART 2, CCR (1997 UBC W/ CAL. AMENDS) TITLE 24, PART 3, CCR (1996 NEC W/ CAL. AMENDS) TITLE 24, PART 4, CCR (1997 UMC W/ CAL. AMENDS) TITLE 24, PART 5, CCR (1997 UPC W/ CAL. AMENDS) TITLE 24, PART 9, CCR (1997 UFC W/ CAL. AMENDS) TITLE 24, PART 12, CCR (1997 STD. W/ CAL. AMENDS) TITLE 19
STRUCTURAL - 1998 CALIFORNIA BUILDING CODE (CBC)	TITLES 24 PARTS 1 AND 2
MODULES	MOMENT-RESISTANT
SYSTEM	(2) 12' X 40' MODULES
FOUNDATION	PRESSURE TREATED WOOD
SEISMIC	ZONE 4

BASED ON PC# 02-101837

50 UNITS
SERIAL NO'S 01-560-001
THRU 01-560-050

EXTENDED TO
01-560-054 TO 01-560-059



**American
Modular Systems**

333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX (209) 825-7018



FILE NO. 37-0
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-103457
AC 12 FL 5 21 SS
DATE 7/5/00

JOB NO.
DATE: MAY 25, 2001
SHEET NUMBER
TS-1
BINDING
ORDER 1

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A GENERAL REQUIREMENTS

- GENERAL
 - THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.
 - NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
 - ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
- SCOPE OF WORK
 - THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
 - ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
 - GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
 - INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION, WELDING, MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
 - ON-SITE INSPECTION OF THE BUILDING INSTALLATION, ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
 - OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
 - ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
 - CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
 - THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
 - ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
 - EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
 - ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT THE TIME OF DSA APPLICATION.
 - ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
 - SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
 - THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE.

FOUNDATION

- ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF
- FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL, APPROVED COMPACTED FILL OR ON AN APPROVED PAVED SURFACE.

NOTE: THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 16-1, ISSUED BY DIVISION OF THE STATE ARCHITECT FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-COMMANDING AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.

3. WORK NOT INCLUDED

- ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
- ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- FIRE ALARM SYSTEM, INTERCOM SYSTEM, TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.
- WHEELS AND HITCH
- ACCESSIBILITY OF SITE

THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

DESCRIPTION	SET	SIZE	LENGTH	FINISH
SIDING		131	2	1/4" GALV
CASING, SILL & INT. CORNER TRIM	X	160	1/4"	N
2X FASCIA		131	3"	GALV
SOFFIT		131	2	1/4" GALV
1X EXT. TRIM, WINDOWS, EXT. DOORS, EXT. TRIM		113	2"	GALV

SECTION 5 STEEL

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS, TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.
- WELDING - ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24, PART 2, COR. SECTION 2231.A.5 WELDING ELECTRODE SHALL BE E70XX.
- STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 & A-570 GR.36.
- PIPE COLUMNS SHALL CONFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.
- STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A579 GRADE 50 FOR GAUGE TUBING-TYP. U.N.O.
- STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.
- ERECTOR - STRUCTURAL STEEL PRECISION TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
- NAILS, BOLTS, SCREWS AND NUTS ETC. - FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
 - BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARBIDE BOLTS THROUGH STEEL TO BE DRILLED, OR 1/8" OR 1/4" PILOT HOLE AND REAM MIN. 1/16" TO CORRECT SIZE. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER EXCEPT AT SIMPSON MT28B.
- HANDRAILS - FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.
- SHOP PAINT
 - EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
 - NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
 - ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS. PRIME ALL EXPOSED STEEL SURFACES AFTER FIELD WELDING.
- TESTS
 - PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER 1-24 PART 2, COR. SECTION 2231.A.1.

SECTION 6A CARPENTRY

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.
- MATERIALS
 - LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 17 OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER, 3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.L.I.B. - PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS-1-95 FOR SOFTWOOD PLYWOOD, OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH CBC EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.
 - JOISTS, PLATES, STUDS-DOUGLAS FIR OR HEM FIR S4S #2 U.N.O. NOTE: MSR 1850 FT/LB MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.
 - HEADERS, POSTS AND TIMBERS-DOUGLAS FIR S4S #1.
 - BLOCKING - DOUG FIR #3 OR HEM FIR #3 OR S1 & BET.
 - SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH, DOUG FIR #2 PRESSURE TREATED IN ACCORDANCE WITH CBC 1811.7. EACH PIECE SHALL BEAR AWPB STAMP. LP-22 GROUND CONTACT, D.F.#2 ABOVE GROUND.
 - PLYWOOD FLOOR DECKING - APA STURD-I-FLOOR 2-4-1 OR UN-FLOOR BY PITTSBURGH TESTING LAB, 1-1/8" THICK AND GROOVE FLOOR SHEATHING WITH EXTERIOR GLUE, EXTERIOR SIDING/SHEATHING - APA TYPE 303, EXTERIOR.
 - MOISTURE BARRIER - KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, UBC STANDARD 14-1 FOR KRAFT, 15-1 FOR FELT.
 - STUDS - DOUG FIR #2 OR HEM FIR #2 MOISTURE CONTENT NOT OVER 19%.
 - FASTENERS - NAILS SHALL BE CORROSION RESISTANT PER C.B.C. 231.8A.3.4. COMMON NAILS - For Ext. Siding and Fdn. Only.
 - BUILDING TRIM - 2X REBAMN SELECT D.F., H.F. OR CEDAR.
 - DOOR/WINDOW TRIM - 1X4 REBAMN D.F., H.F. OR CEDAR.
 - FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
 - FIRE BLOCKS SHALL CONFORM TO CBC SECTION 708.
 - ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.
 - FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".
- WORKMANSHIP
 - FRAMING - SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK OUT, FITTED AND ASSEMBLED LEVEL, PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
 - NAILING - IN ACCORDANCE WITH TITLE 24, PART 2, CALIFORNIA BUILDING CODE, TABLE 23A-11-B-1.
 - EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
 - MACHINE APPLIED NAILING:
 - USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.
 - MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
 - MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BUARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.
 - TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7B SHEET METAL

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
- MATERIALS
 - SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - SOLDER - OF STAND. GRADE "A" OF EQUAL PARTS ARD BRAND LEAD AND TIN ASTM B32.
 - FLUX - ZINC SATURATED MURIATIC ACID.
 - GUTTERS: 26 GA. G-90 GALV. STEEL. DOWNSPOUTS: 2"X3" CONVULGATED 30 GA. G-90 GALV. STEEL. GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL. GUTTER CLIPS: 18 GA. G-90 GALV. STEEL.
- WORKMANSHIP
 - SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES. CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7C METAL ROOFING

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 80 MPH. WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.
- MATERIALS
 - ROOFING - 3" INCH STANDING SEAM 22-GAUGE G-90 GALV. INTERLOCKING SHEET STL PANELS (G90).
 - ROOFING: CLASS B FIRE RATINGS

SECTION 7J SEALANT

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.
- MATERIALS
 - VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS, "GEODEL" SILICONIZED CAULK, GE, DUPONT, CARLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.
- WORKMANSHIP
 - SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATER TIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION CONCRETE CONCRETE (IF USED)

- CONCRETE MORTAR AND RELATED MATERIALS TO CONFORM TO APPLICABLE PROVISIONS OF TITLE 24 EXCEPT AS MODIFIED HEREIN.
- REINFORCING BARS-ASTM A615 OR ASTM A706 DEFORMED GRADE 40 BILLET STEEL.
- EXPANSION JOINT FILLER: ASTM D994.
- FORM MATERIALS: SIDE FORMS DOUGLAS FIR, CONSTRUCTION GRADE OR BETTER, OR METAL FORMS.
- PLACING REINFORCEMENT: PLACING CONCRETE SURFACE FINISHES, CURING AND REMOVAL OF FORMS SHALL BE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF TITLE 24, PART 2.

SECTION 8B HOLLOW METAL DOORS AND FRAMES

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
- MATERIALS
 - DOORS - TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY, 18 GA. 1 3/4" THICK PER CS242 MIN. REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
 - FRAMES - 18 GA. COLD ROLLED, 2" FACES, CS242 MIN. 3 ANCHORS PER JAMB & ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/8" UNDERCUTTING OR INSULATING FILL.
- WORKMANSHIP
 - ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP, WAVE, BUCKLE OR OTHER DEFECTS AFTER FABRICATION. DOORS AND FRAMES CLEANED THOROUGHLY. ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

SECTION 8D FINISH HARDWARE

- SCOPE OF WORK
 - CONTRACTOR SHALL SUPPLY AND INSTALL FINISH HARDWARE AS SPECIFIED AND AS REQUIRED.
- SCHEDULE FOR EXTERIOR DOORS
 - SEE NOTE ON FLOOR PLAN.
- SPECIAL REQUIREMENTS
 - EXIT DOORS SHALL BE OPENABLE FROM THE INTERIOR WITHOUT KEY OR SPECIAL KNOWLEDGE OR EFFORT.
 - CLOSER SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 8.5 LBS. PRESSURE.

SECTION 9E PAINTING

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.
- MATERIALS
 - FOR EXTERIOR WOOD:

REF. BRAND	DUNN	KELLY	SHERWIN	SINCLAIR
PRIMER	EDWARDS	MOORE	WILLIAMS	
	42-9M	1240	Y24W20	289-N
FINISH	QD-60-XX	1240-XXX	B54W2102	GE2-NXX
 - FOR INTERIOR TRIM:

REF. BRAND	DUNN	KELLY	SHERWIN	SINCLAIR
FINISH	W450-XX	1650-XXX	A26W11	40XX
 - FOR METAL:

REF. BRAND	DUNN	KELLY	SHERWIN	SINCLAIR
PRIMER	EDWARDS	MOORE	WILLIAMS	
	43-4	1710	B50N26	15N
FINISH	10-XX	1700-XXX	B54W2102	GE2-NXX
- WORKMANSHIP
 - ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
 - EXTERIOR - WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX - APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
 - INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
 - INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
 - METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYL FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
 - RAMP - ONE COAT OF FERROX NON-SKID SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-810-98A DATED JULY 1989. OR EQUAL.
 - SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F SITE ASSEMBLY

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE.
 - THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT. UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ASSEMBLY OF ELEMENTS
 - IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT (APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
 - THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
 - CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

NOTE:

- WALL FINISH MATERIAL
 FLAME SPREAD MAX = 200
 SMOKE DENSITY MAX = 450
 BUILDING INSULATION
 FLAME SPREAD MAX = 25
 SMOKE DENSITY MAX = 450
 PIPE INSULATION
 FLAME SPREAD MAX = 25
 SMOKE DENSITY MAX = 450
 DUCT INSULATION
 FLAME SPREAD MAX = 25
 SMOKE DENSITY MAX = 50

SECTION 15A AIR CONDITIONING

- SCOPE OF WORK (SEE SHEET M-1 FOR H/VAC SPEC. AND NOTES)
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
 - EQUIPMENT
 - SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.
 - WORKMANSHIP
 - UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A ELECTRICAL

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.
- MATERIALS
 - ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRICAL CODE AND NATIONAL FIRE PROTECTION ASSOCIATION.
 - ELECTRIC METALLIC TUBING - COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX - GALV. STEEL W/ FANPLY APPLIED P.V.C. JACKET.
 - PANELBOARDS - FLUSH MOUNTED.
 - CONDUCTORS - COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES MINIMUM SIZE - #14.
 - RECEPTACLES - AS NOTED, +18" A.F.F. MIN.
 - CLOCK RECEPTACLE - AS NOTED.
 - SWITCHES - AS NOTED, +18" A.F.F. MAX.
 - LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.
- WORKMANSHIP
 - MATERIALS AND EQUIPMENT INSTALLED IN A SECURE, NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATER TIGHT CONDITION. BUILDING CONDUIT WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR (N.I.C.) (FLEXIBLE CONDUIT S-BEND SEAL/TITE).

INSPECTION

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.

- IN-PLANT INSPECTION.
- ON-SITE INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN-PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDINGS ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE, THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM SSS-6). A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

COORDINATION OF WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT IF NECESSARY. THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF ANY MODULE. ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

MATERIALS AND WORKMANSHIP

ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.

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

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THE EMPLOYEE'S EXPERIENCE.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT QUALITY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS:

TWO (2) APPROXIMATELY 12' X 40' MODULES DESIGNED SO THAT TWO MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT ENGRAVED) METAL IDENTIFICATION TAG 3"x1 - 1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

- MANUFACTURER'S BUILDING NUMBER.
- DESIGN WIND LOAD / EXPOSURE
- DESIGN ROOF LIVE LOAD
- DESIGN FLOOR LIVE LOAD
- D.S.A. APPLICATION NUMBER.

2-TAGS PER MODULE, ONE ON EXTERIOR AND ONE ON INTERIOR MODULE BEAM AT FRONT OF BUILDING ABOVE CEILING.

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.) WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.

EACH 12' X 40' MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT, WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.

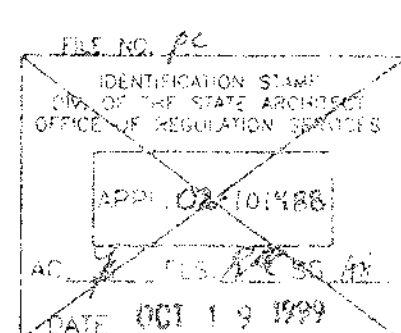
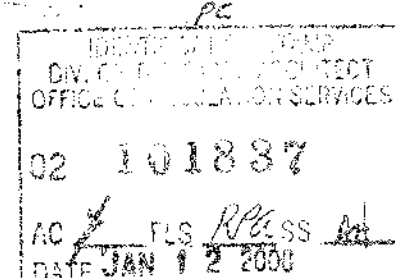
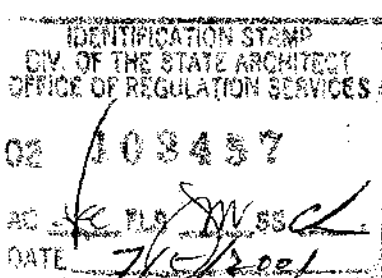
DIMENSIONS

THE BUILDINGS SHALL OCCUPY AN AREA OF 960 SQUARE FEET WITH A TOLERANCE OF MINUS 5 SQUARE FEET. THE BUILDINGS SHALL BE 24' X 40'. ALL BUILDINGS SHALL MEET THE SQUARE FOOTAGE REQUIREMENT. LINEAR DIMENSIONS SHALL BE VERTICAL TRIM FINISH LINE TO VERTICAL TRIM FINISH LINE.

FASCIA AND REQUIRED OVERHANGS ARE NOT INCLUDED IN THE CALCULATION OF THE SQUARE FOOTAGE THE BUILDING OCCUPIES. THE ENTRANCE WALL SHALL HAVE A 3" MINIMUM ROOF OVERHANG. THE REAR WALL SHALL HAVE A MINIMUM 2" OVERHANG. FULL LENGTH CUTTERS AND DOWNSPOUTS SHALL BE FURNISHED ON THE SIDES OF EACH OVERHANG AND EACH ROOF EDGE WHERE DRAINAGE OCCURS. THE INTERIOR HEIGHT FLOOR TO CEILING SHALL BE 8'-6" MIN. THE MODULE SHALL BE CLEAR SPAN TYPE EXCEPT AS PROVIDED FOR IN THE BID SPECIFICATIONS NOTHING SHALL PROTRUDE MORE THAN 1" BELOW THE CEILING LEVEL.

ITEMS NOTED AS N.I.C. (NOT IN CONTRACT) OR "BY OTHERS" IS THE RESPONSIBILITY OF THE SCHOOL DISTRICT DEPENDING ON THE AGREEMENT WITH DISTRICT.

IN THE EVENT OF CONFLICT BETWEEN THESE SPECIFICATIONS AND THE DISTRICT BID SPECIFICATIONS, THE DISTRICT SPECIFICATIONS SHALL PREVAIL.



24 X 40
RELOCATABLE
CLASSROOMS



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Modular Systems**

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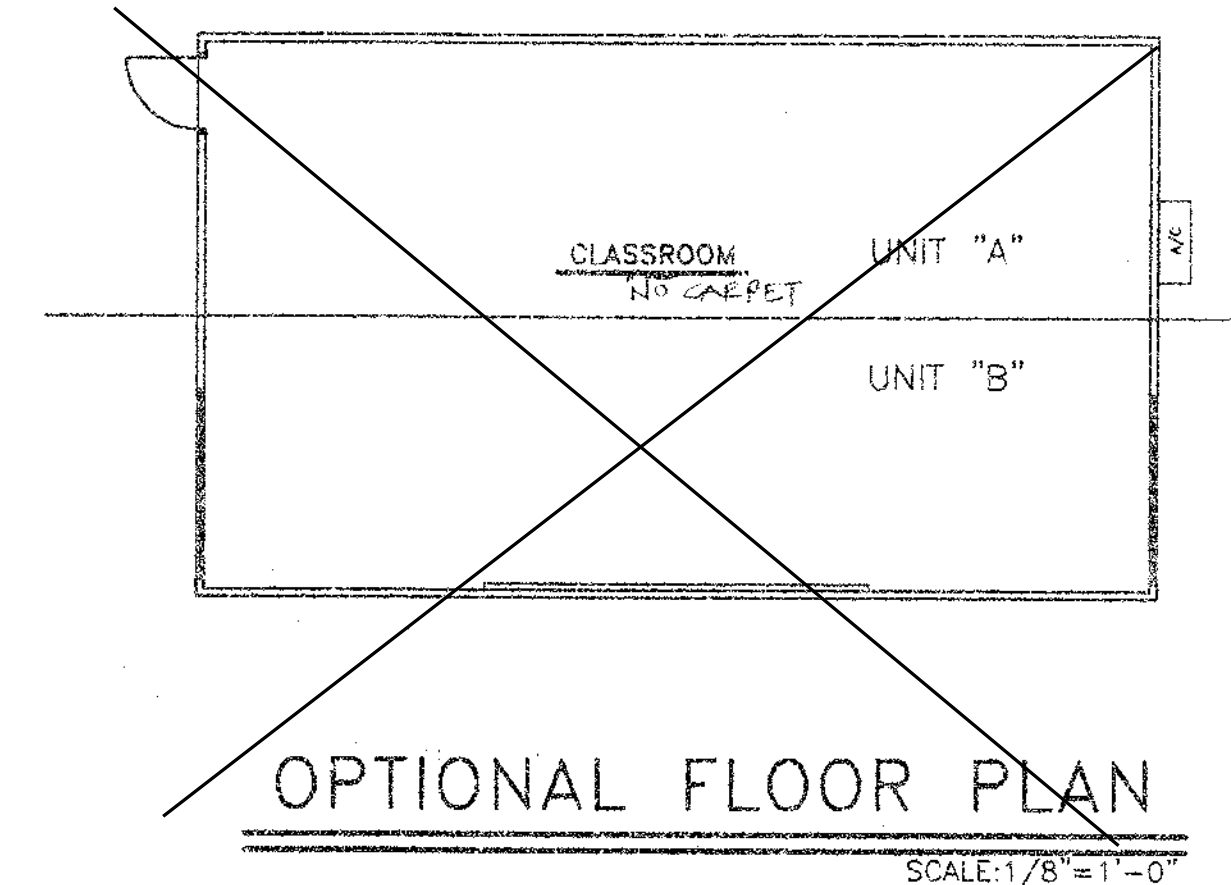
CUSTOMER:

GENERAL NOTES

DATE: 10-19-99
SCALE: NONE
DRAWN BY: J.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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2. Floor: Carpets — Units shall be carpeted as indicated on floor plan with direct glue down. Units per State of California Specification 7220-XXV-07, Group 1, Type A, Class 26. Color will be selected by architect after award. Carpet shall be similar to the 1800 minimum. Pile yarn shall be braided nylon. The cross across shall be allowed (N.I.C.).
3. Base: Resilient Cove Base — Best quality, molded rubber, 1/8" thick, 4" high, molded top square base. Base to provide protection from dirt square external corners and preformed. Base where doors do not abut. Solid color as manufactured by Johnstone Co., Flersco, or equal. Any color to complete color of element.
4. Interior walls shall be vinyl covered cardboard 1/4" applied in one continuous length from floor to ceiling. The cardboard shall be industrial insulation board manufactured specifically as a substitute for vinyl covered wall panels. The cardboard shall be free shall have an iron-on coating and shall have a minimum density of 18 lbs. per ft. The vinyl coating shall be made of vinyl resin and vinyl copolymer weighing a minimum of 6 oz. per square yard. The vinyl coating shall be mechanically bonded with the long edges wrapped to the cardboard. Cardboard shall be applied over 1/2" sheetrock or 3/8" diaphragm sheetrock. The cardboard shall be made of Class II flame spread rating. The panel shall be approved for flame spread use by the California State Fire Marshal's Office. Vinyl covered cardboard as manufactured by Onofield-Clarke or comparable. Core shall be mean in providing the luster and so that the texture of it is similar to have the same orientation as the wall section.
5. Celling: Suspended — T-bar system, see sheet 3.1 for details. Materials and installation shall be as per the IR #47-4 inclusive as applicable to measure.

DOORS & WINDOWS

Exterior Doors: Metal Doors - 3'0"X6'8" hollow metal door construction of 1 sheet of 18 ga. steel case-bred per C5242 min and reinforced with 20 ga. min. continuous vertical steel stiffeners spaced @ 6" O.C. Fill spaces between stiffeners with mineral wool or other insulation (Reinforce both faces for closure; provide flush top on doors. Hardware - reinforcement shall be 10 ga. min. for hinges, door frame shall be 18 ga. pressed steel frame ASTM A366 & C5242. Hardware - Provide min. be 10 ga. plate. Frames shall be designed with integral steel and trim. Provide (3) anchors, per lamp.

Exterior Windows: Provide anodized aluminum frame 1/2" minimum dual pane window units, as shown on floor plans. The 5/8" dimension is the minimum thickness to the dual glazed window panel consisting of two lights of glass and the air space. Glazing material grade B.

Exterior Lite -- 3/16" minimum tempered glass or laminated as -- 1 glass of bronze gray glass reducing type with a light transmission factor of 45% maximum.

Minimum air space shall be 1/4".

Space - Bent or sealed corner aluminum with aluminum
fill

Certification - All glazing to be certified in

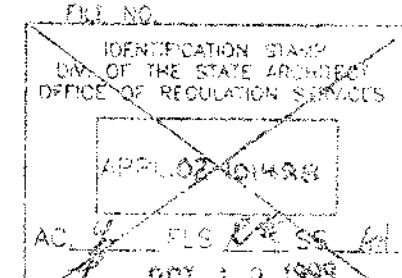
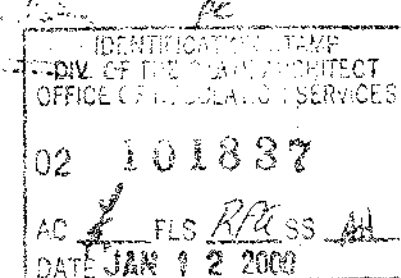
Header height shall be the same as the door. A operable sash shall have aluminum screens. Windows shall not be mounted to the exterior plywood surface. All windows shall meet the ANMA GS101-08 voluntary spec. For aluminum prime windows and sliding glass (ANSI), commercial grade.

4. Exterior Door

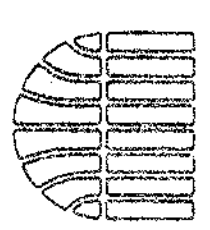
- A) Hinges: HAGER 4-1/2"x4-1/2" butts, BBI1750 US260, 1-1/2" pair each door with set screws in barrel and ball bearing design, or approved equal.
- B) Lockset: Classroom lever handle (lockset), mortise or cylindrical type, S-3hinge 373PD (Rhodes) or equal. US260 (Inch)
- C) Closes: Harnett 8500DA or 8500BF series, CON 1460 (Inch or equal)
- D) Weatherstripping: All exterior doors shall be weatherstripped with Pernko 2990, Ultra W5900, or door jams and head or equal.
- E) Threshold: Threshold shall be Pernko 214 or 215 aluminum with Pernko 214 or Ultra TH042 door bottom.
- F) Doorstop: Quality #48, or equal.

FIRE EXTINGUISHER

1. Each portable classroom shall be equipped with pressure type fire extinguishers with 2A:10BC UL rating. To be mounted on the interior wall of the building near the doorway(s) at a height of 4 feet to mounting bracket. Fire extinguishers shall be totally charged and have a dial indicating the state of charge.

[illegible]

24 X 40
RELOCATABLE
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CUSTOMER:

FLOOR PLAN & NOTES

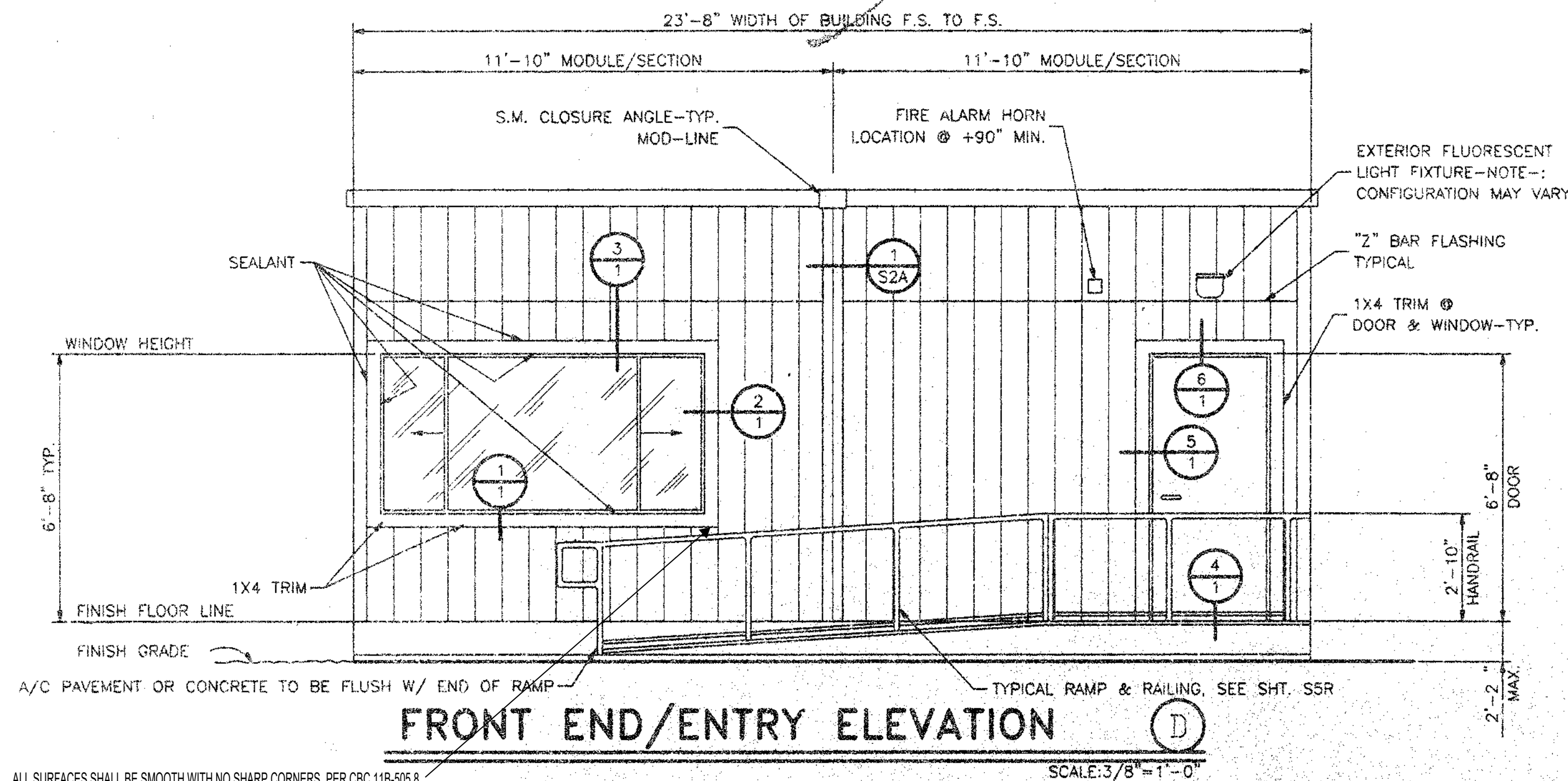
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SCALE: NONE
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CHECKED BY:
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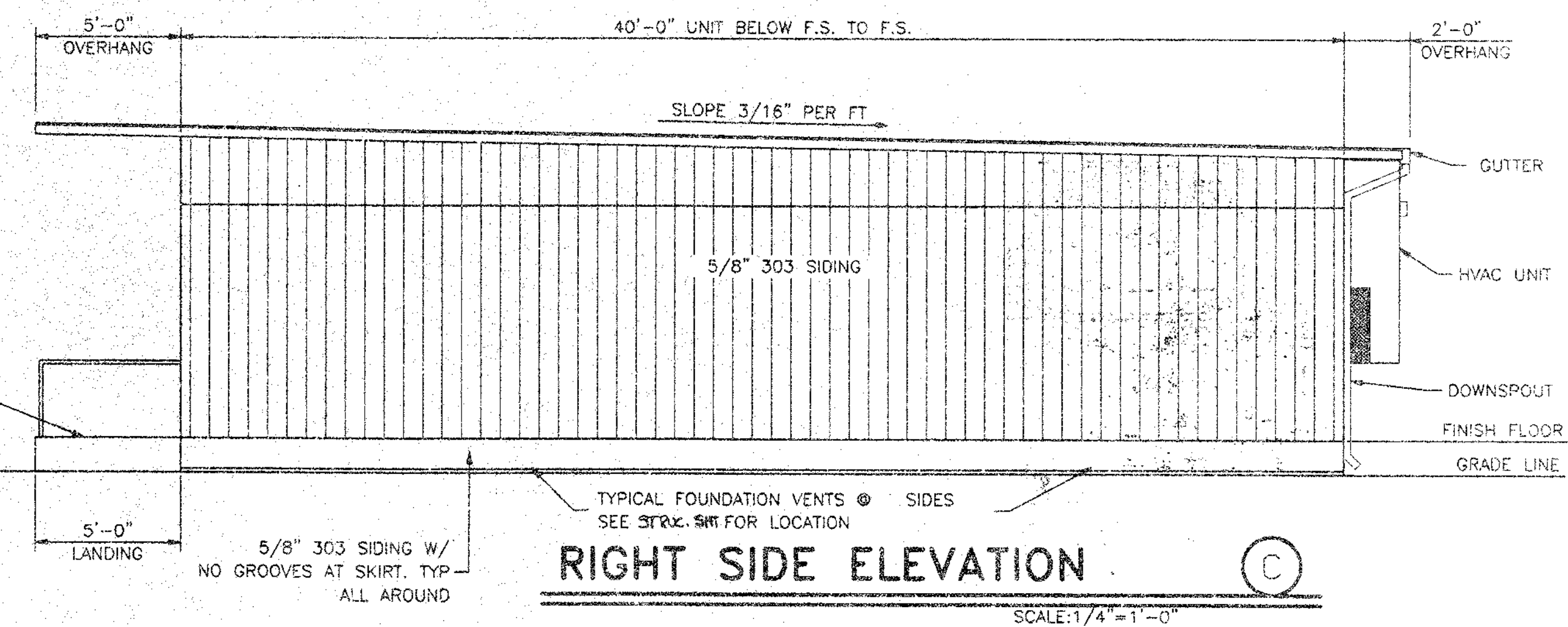
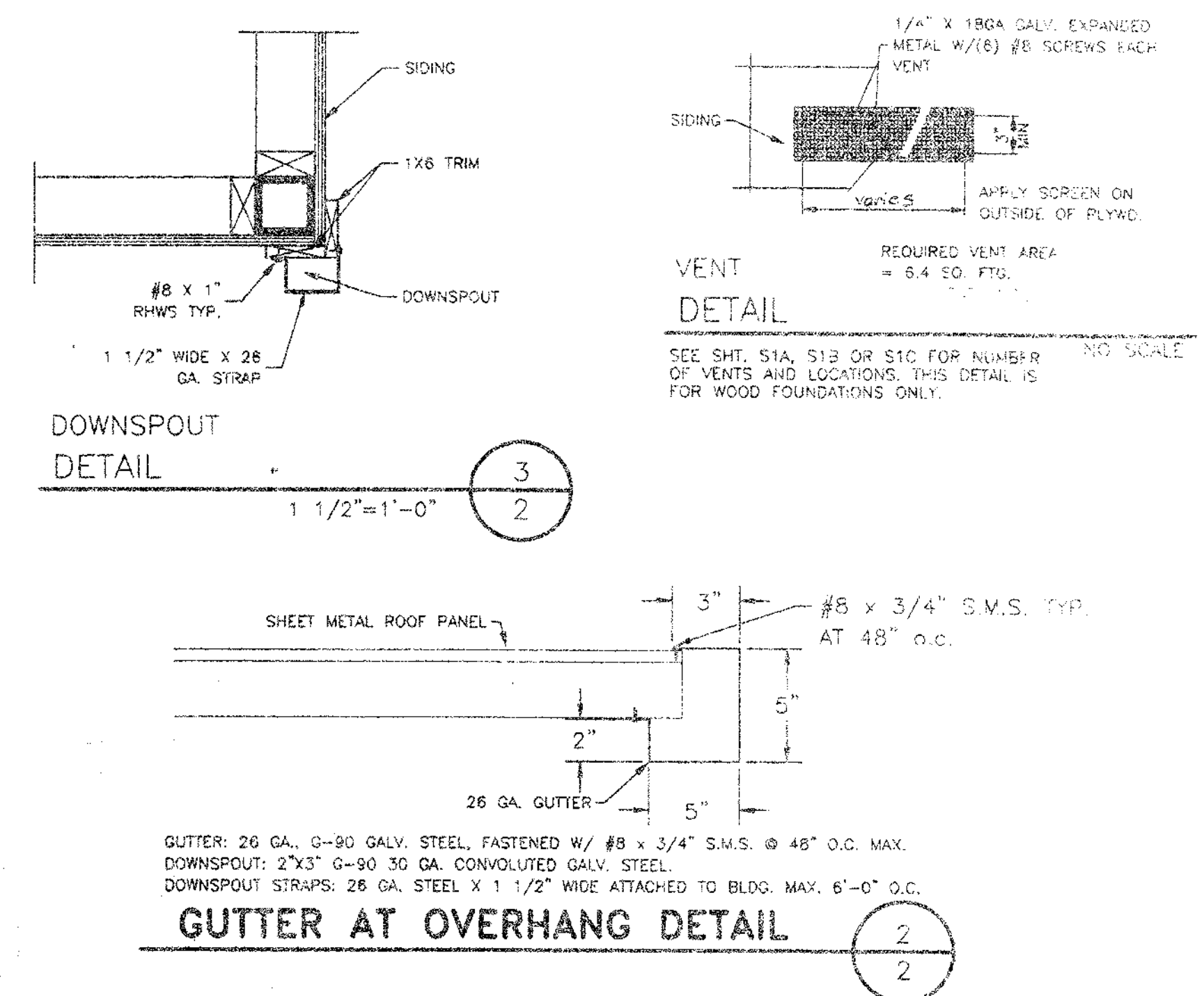
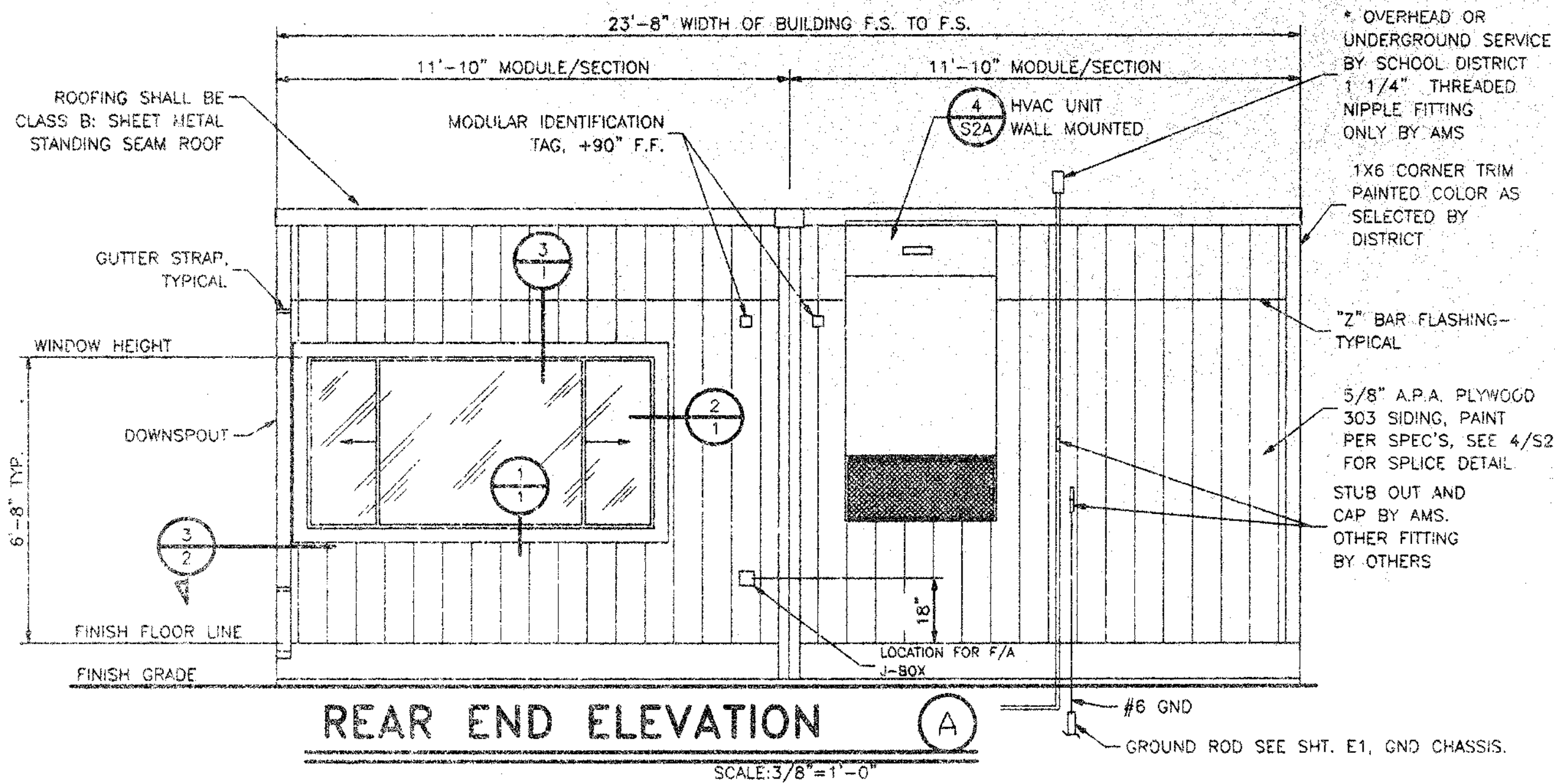
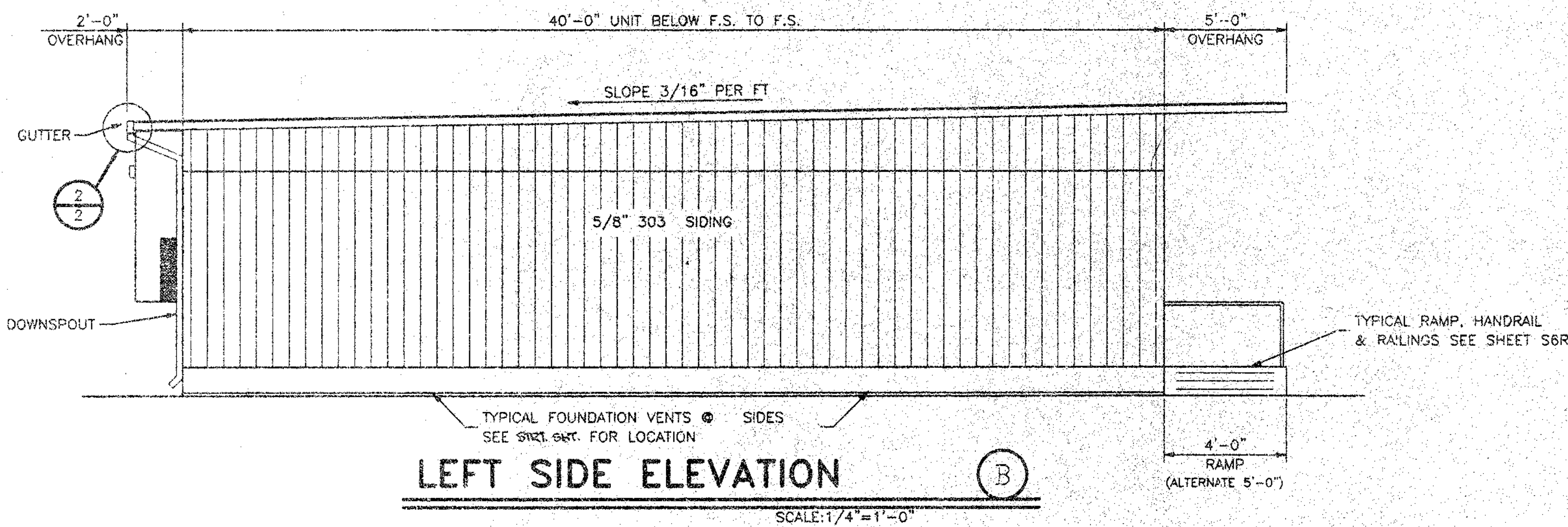
PROJECT No. _____

SHEET No.

3



ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-505.8
WALL TO BE SMOOTH AND TO EXTEND 8" ABOVE HANDRAIL



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AC 108457
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REGISTERED PROFESSIONAL ARCHITECT
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Exp. 3/31/04
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CUSTOMER:

EXTERIOR ELEVATIONS

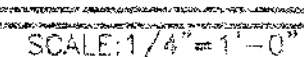
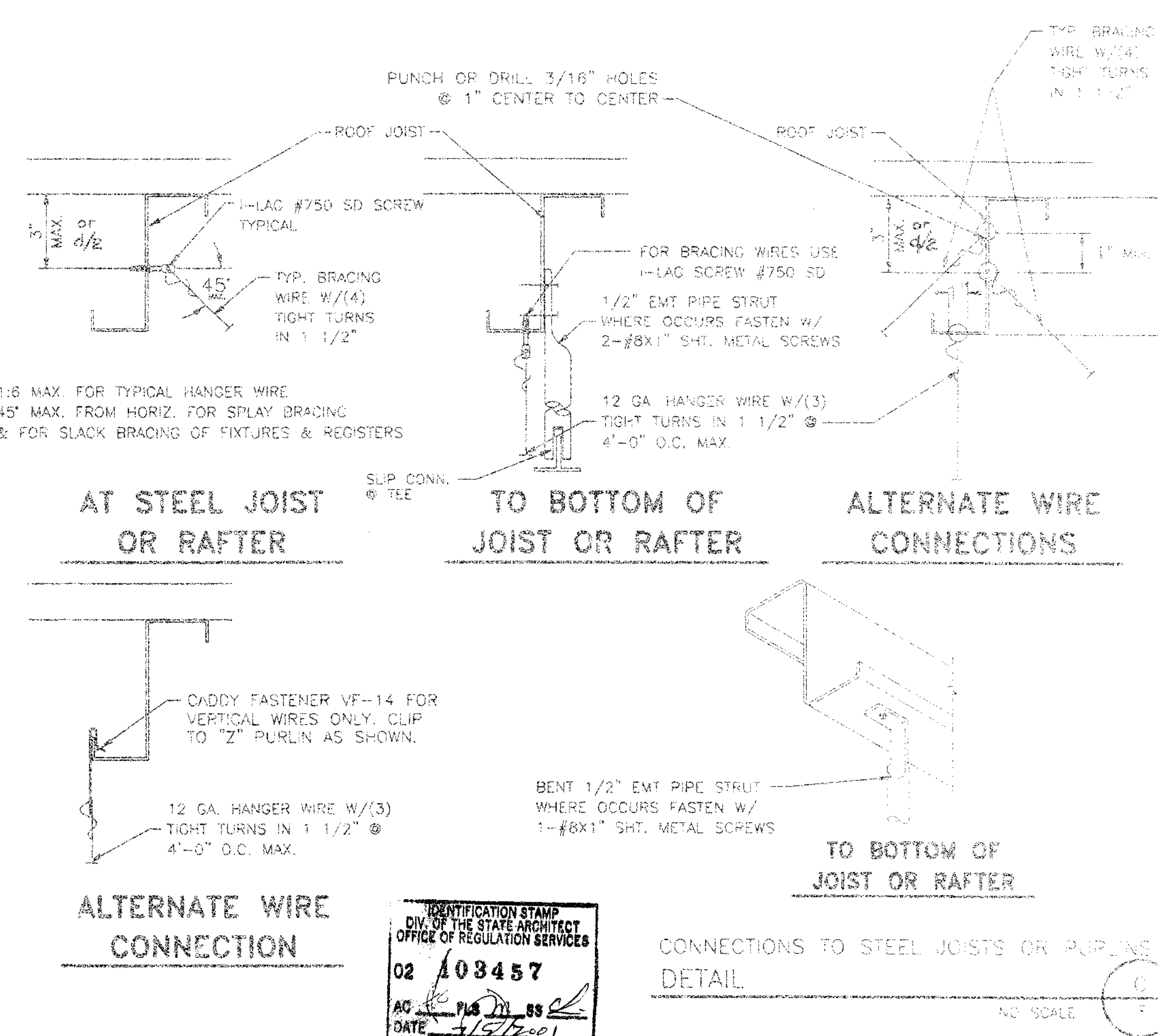
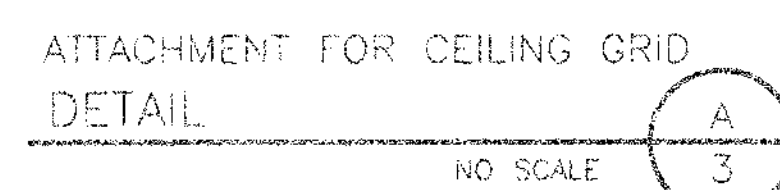
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SCALE: NONE
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CHECKED BY:
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PROJECT NO.

SHEET NO.

2



1. 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0 GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA.
 2. PROVIDE 12 GA HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.
 3. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREA. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBROD WIRES.
 4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHALL BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. *If walls run diagonally to ceiling and system runners, one end of main and cross runners should be free and a minimum of 1/2 inch clear of wall.*
 5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
 6. PROVIDE SETS OF 4-#12 GA. SPAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
 - (A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPAY WIRE AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
 - (B) PROVIDE SPAY WIRE AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS
 7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN SPAY WIRES WITH 4 TIGHT TURNS. MAKE ALL FOUR TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
 8. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC. IT IS ACCEPTABLE TO ATTACH LIGHT-HEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO DSA.
 9. ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
 10. 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 SYSTEM. BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 3/4" MIN. GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
 11. CLASSIFICATION OF CEILING GRID:

CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY"

PER ASTM C635

MANUFACTURER'S CATALOG NUMBER - MAIN RUNNER HEAVY DUTY

MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER PER TABLE A

MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPICE N/A.

ACoustICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS 1, 24" x 48" MODULAR SIZE, LIGHT REFLECTION CLASS 15 MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.
- TABLE A HEAVY DUTY GRID COMPONENTS

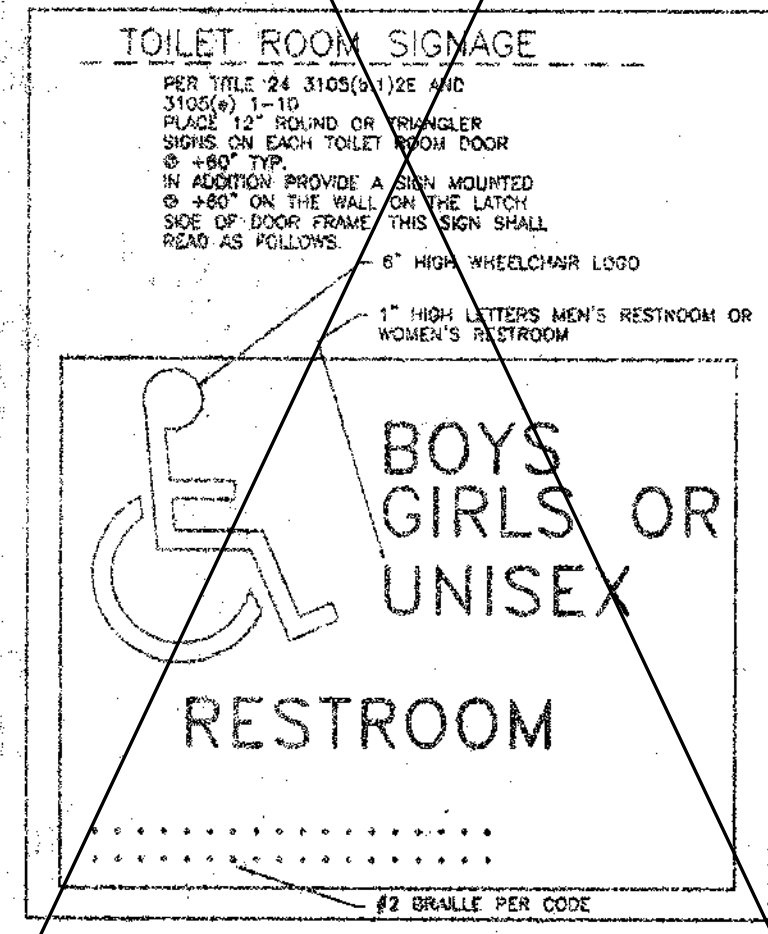
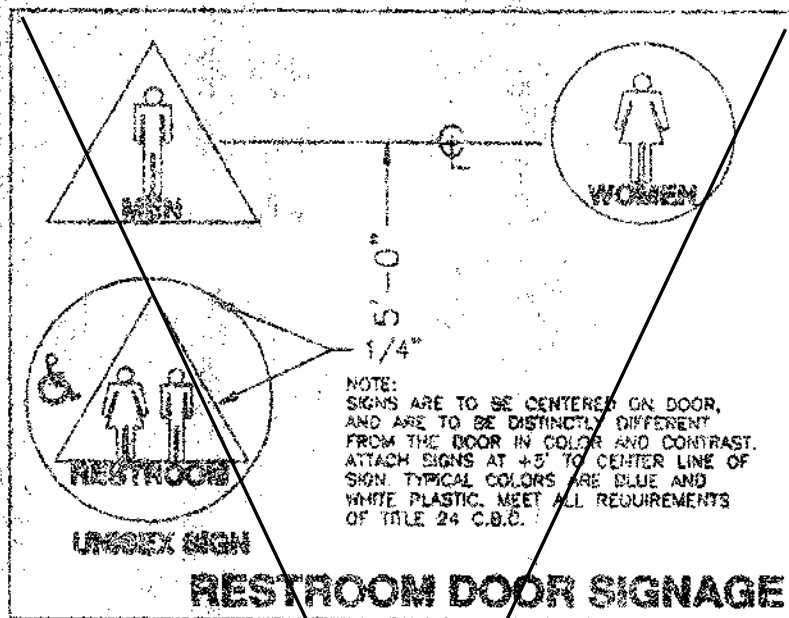
MANUFACTURER	MAIN TEE	1/2" 4" CROSS TEE	1/2" 2" CROSS TEE
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THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TIGHT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA APPROVAL.

TABLE A. HEAVY DUTY GRID COMPONENTS			
MANUFACTURER	MAIN TEE	H.D. 4 CROSS TEE	H.D. 2 CROSS TEE
CONVAUSS	DX-26	DX-424	DX-216
ARMSTRONG	7301	7341	7323
G-HOODS MFG.	200-01	1204-C1	1220-C1

NOTE: ALL GRID COMPONENTS SHALL BE BY SAMZ MANUFACTURE

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FIXTURE TYPE	ADULT (AGE 12 AND OVER) DIMENSION	ELEMENTARY DIMENSION	KINDERGARTEN & PRE-SCHOOL DIMENSION
TOILET CENTERLINE FROM WALL	18"	18"	18"
TOILET SEAT HEIGHT TO TOP OF SEAT	17"-18"	15"	10"-12"
GRAB BAR HEIGHT	35"	35"	10" ABOVE SEAT
TOILET PAPER IN FRONT OF TOILET	15" MAX	12" MAX	8" MAX
WASH BASIN HEIGHT FROM FRONT OF TOILET	12" MAX	N/A	N/A
DISPENSER OR MIRROR HEIGHT	42" MAX	36" MAX	32" MAX
LAVATORY/SINK TOP HEIGHT	34" MAX	32" MAX	24" MAX
LAVATORY/SINK FRONT CLEARANCE	20" MIN	24" MIN	22" MIN
URINAL LIP HEIGHT	17" MAX	15" MAX	10" MAX
URINAL FLUSH HANDLE HEIGHT	44" MAX	36" MAX	28" MAX
DRINKING FOUNTAIN DRINKER HEIGHT	36" MAX	31" MAX	24" MAX
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN	24" MIN	22" MIN
DRINKING FOUNTAIN HANDLE HEIGHT	34"-36"	27"	22"

* = ABOVE SEAT

DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARDSHIP

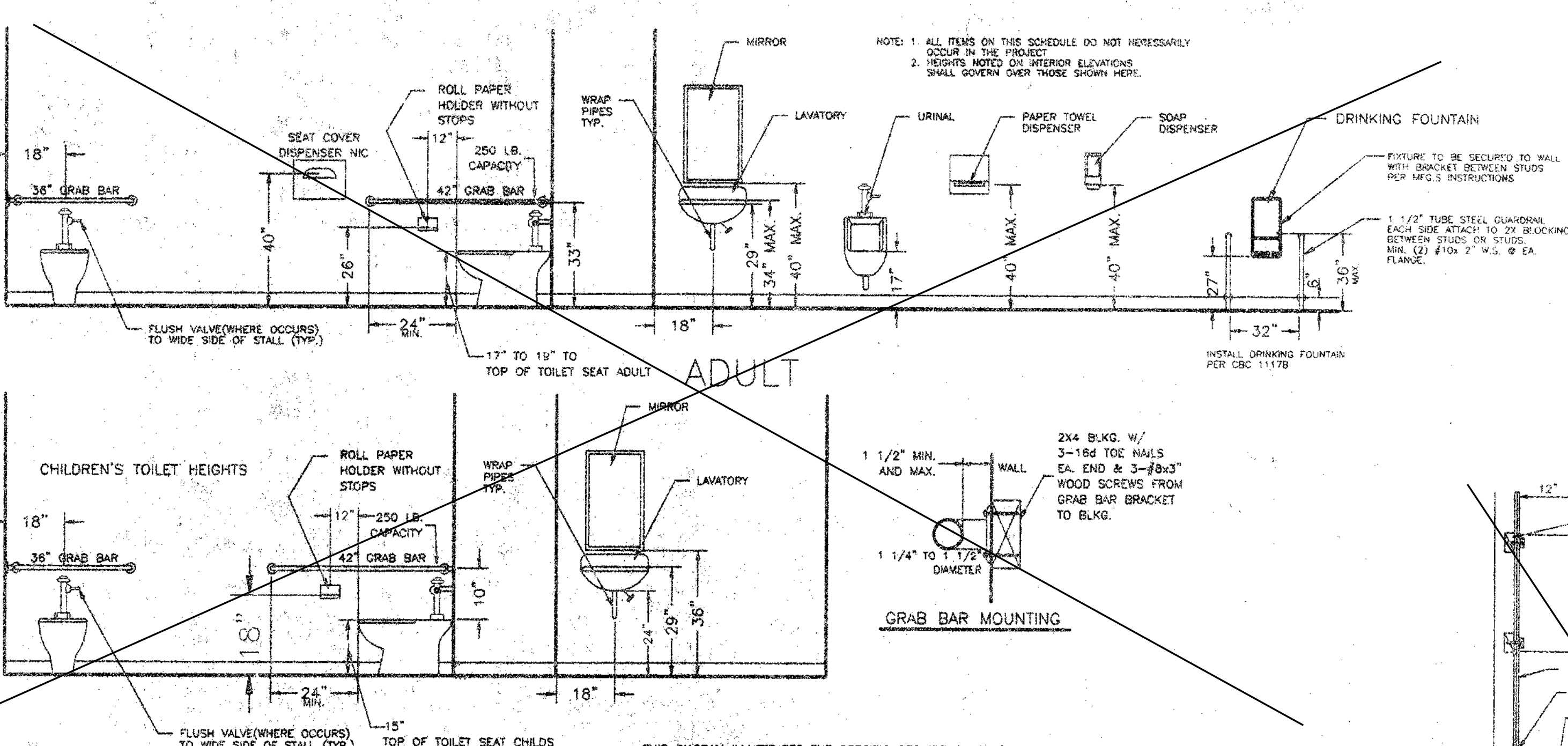
DOOR NO.	OPENING SIZE	DOOR TYPE	THK.	MAT'L	FRAME MAT'L	HEAD	JAMB	THRESHOLD	GLAZING	RATING	REMARKS
1	3'-0"x8'-8"	A	1 3/4"	H.M.	H.M.				N/A	N/A	
2	3'-0"x8'-8"	A	1 3/4"	H.M.	H.M.				N/A	N/A	

DOOR TYPES	
1	LOCKSET, LEVER HANDLE
2	TAL LHV75-LHC SAT
A	EXTERIOR
B	INTERIOR NOT USED

FINISH SCHEDULE											
ROOM NO.	ROOM NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	CEILING	MISC.	CLG. HT.	REMARKS
01	CLASSROOM	F2	B1	W1	W1	W1	W1	C1	N/A	8'-6"	N/A
02	OPTIONAL RESTROOM	F3	B1	W2	W2	W2	W2	C1	N/A	8'-6"	N/A

FLOOR FINISHES		WALL FINISHES		CEILING FINISHES	
F1	VINYL COMPOSITION TILE	W1	1/2" TYPE III MARRIED SOUND BOARD OVER 1/2" GYPSUM BD.	C1	1/2" GYPSUM BOARD
F2	CARPETING	W2	1/8" MARLITE OVER 1/2" GYPSUM BOARD	C2	1/2" GYPSUM BOARD
F3	SHEET VINYL	W3	1/2" GYPSUM BOARD	C3	1/2" GYPSUM BOARD
BASE FINISHES		CEILING FINISHES		MISCELLANEOUS FINISHES	
B1	RUBBER CURT CURT	C1	SUSPENDED LAY-IN ACOUSTIC TILE		

REMARKS: 1. SEE PLAN FOR LOCATION OF FLOOR FINISHES

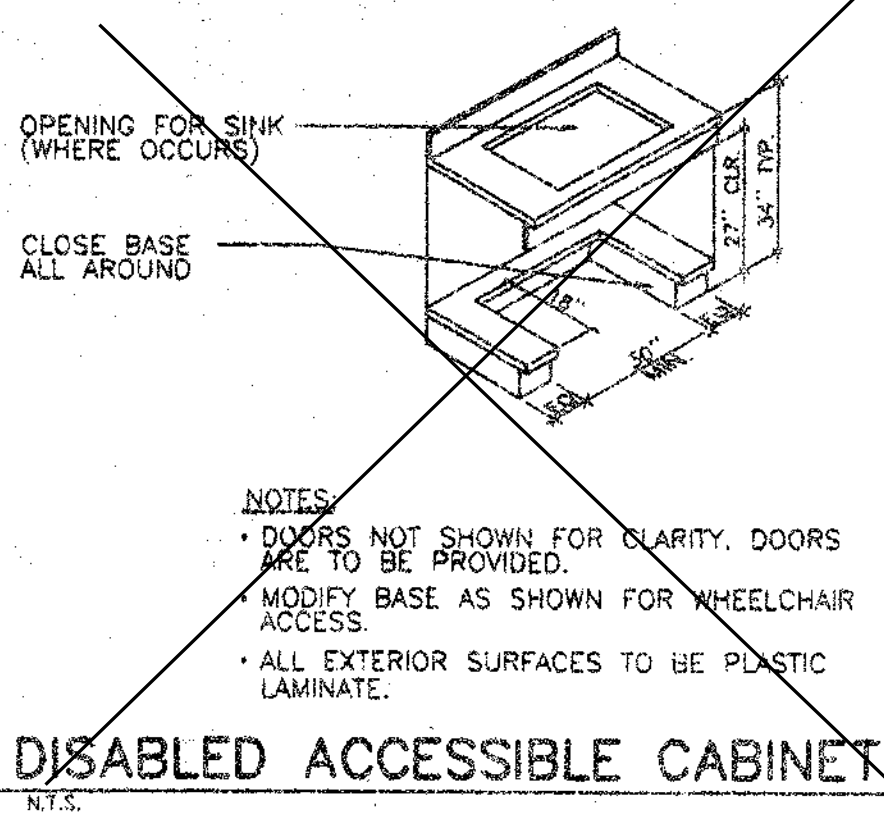
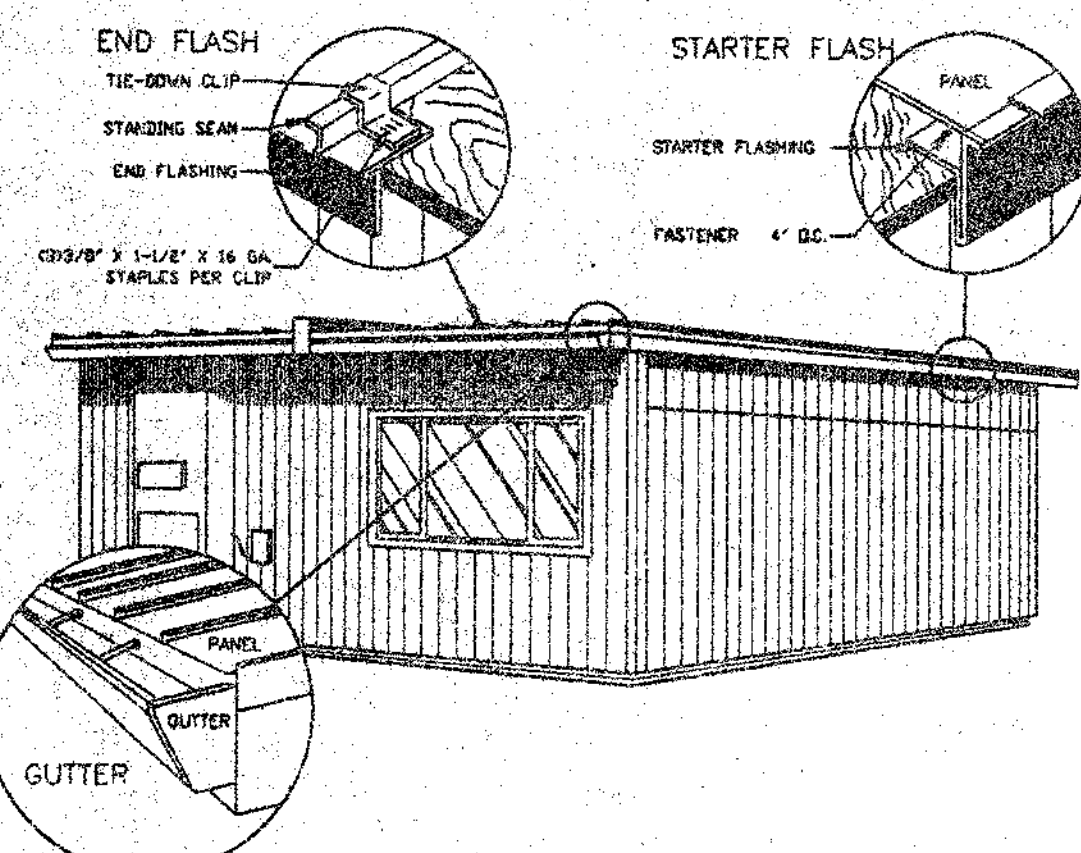


THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING AND CONSTRUCTION.

ACCESSIBLE SANITARY FACILITIES

DETAIL

NO SCALE



SPECIFICATIONS

MATERIAL: 28, GAUGE

FINISH: DRO GALVANIZED, OR SPECIAL

PASTERNS

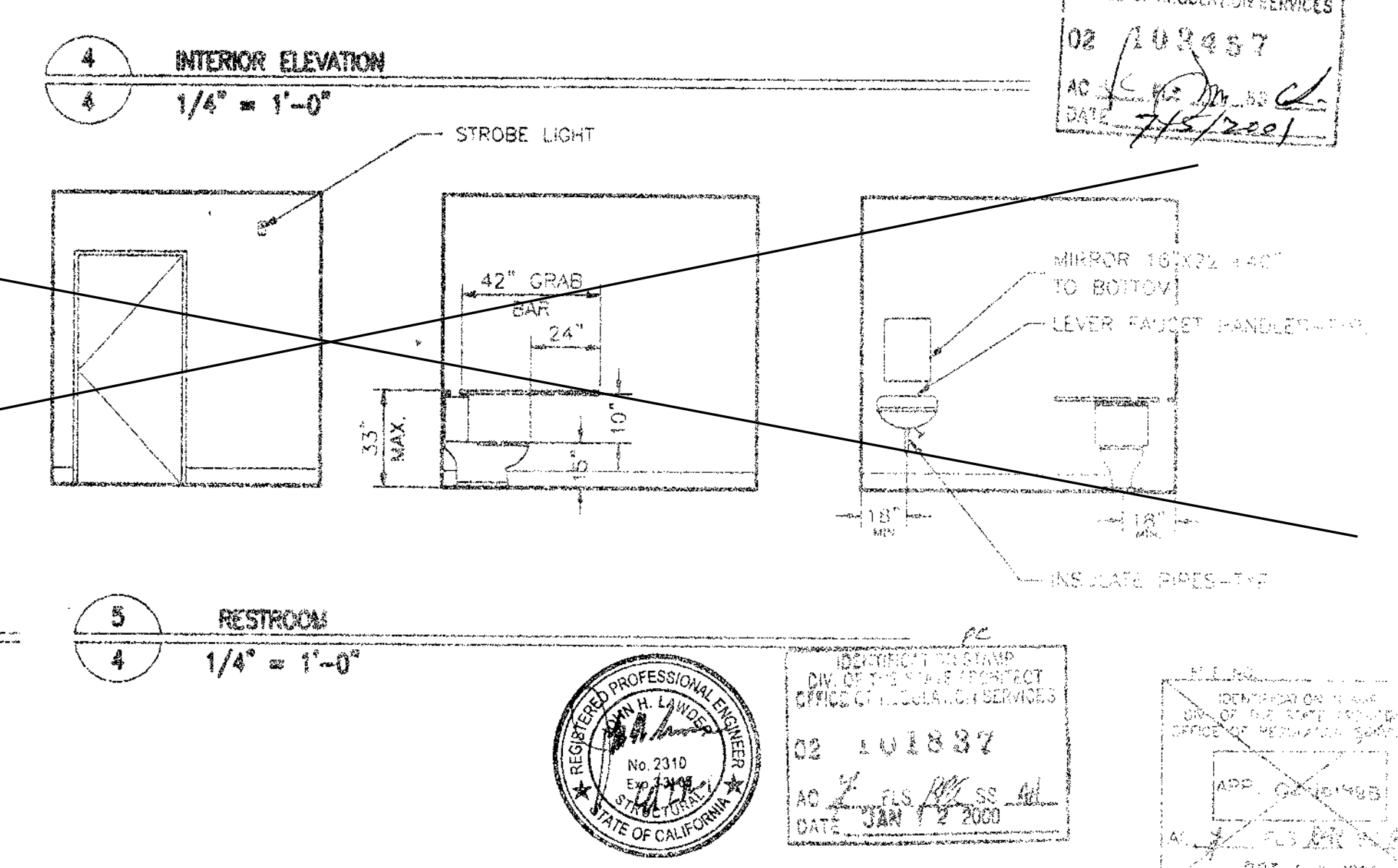
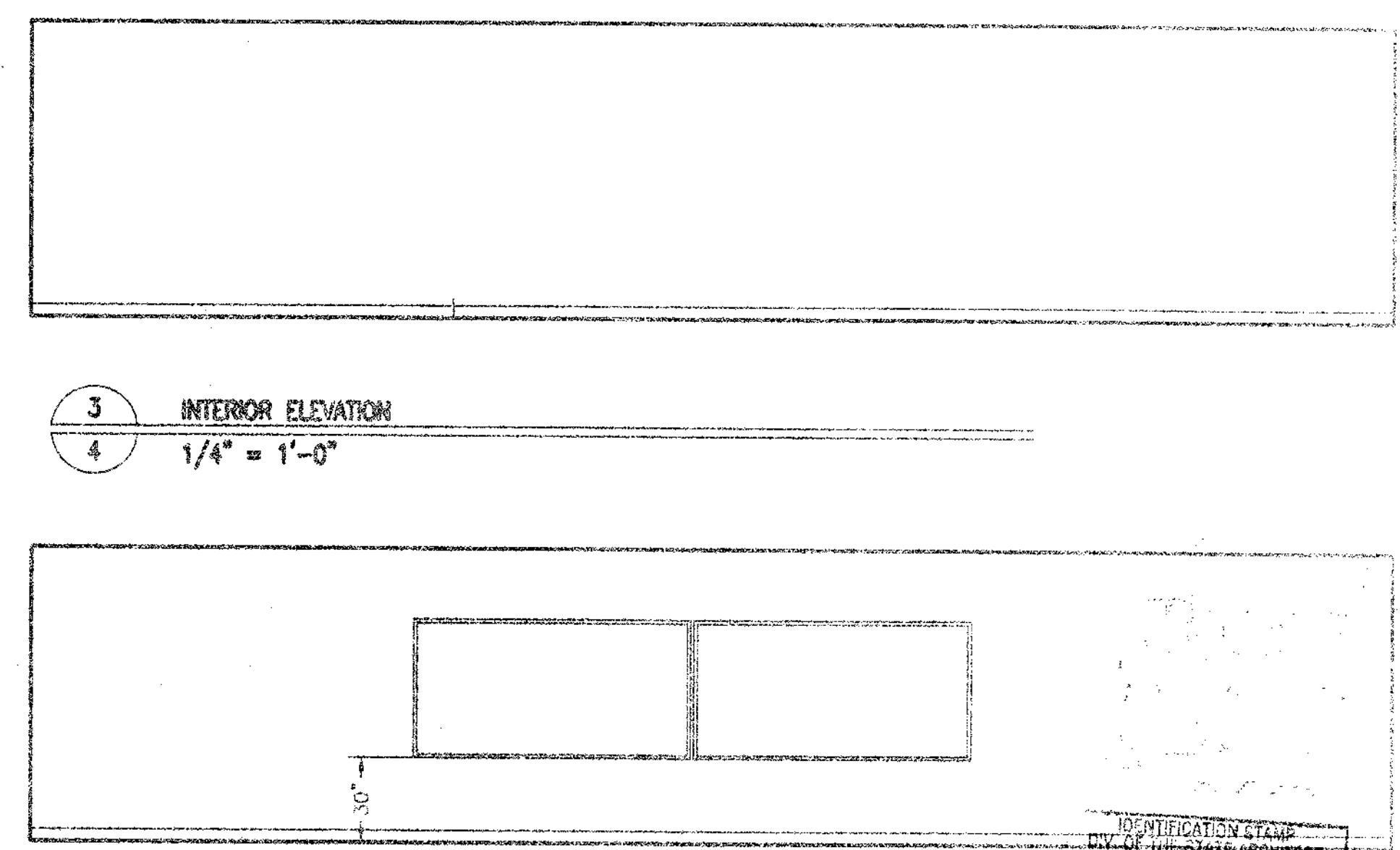
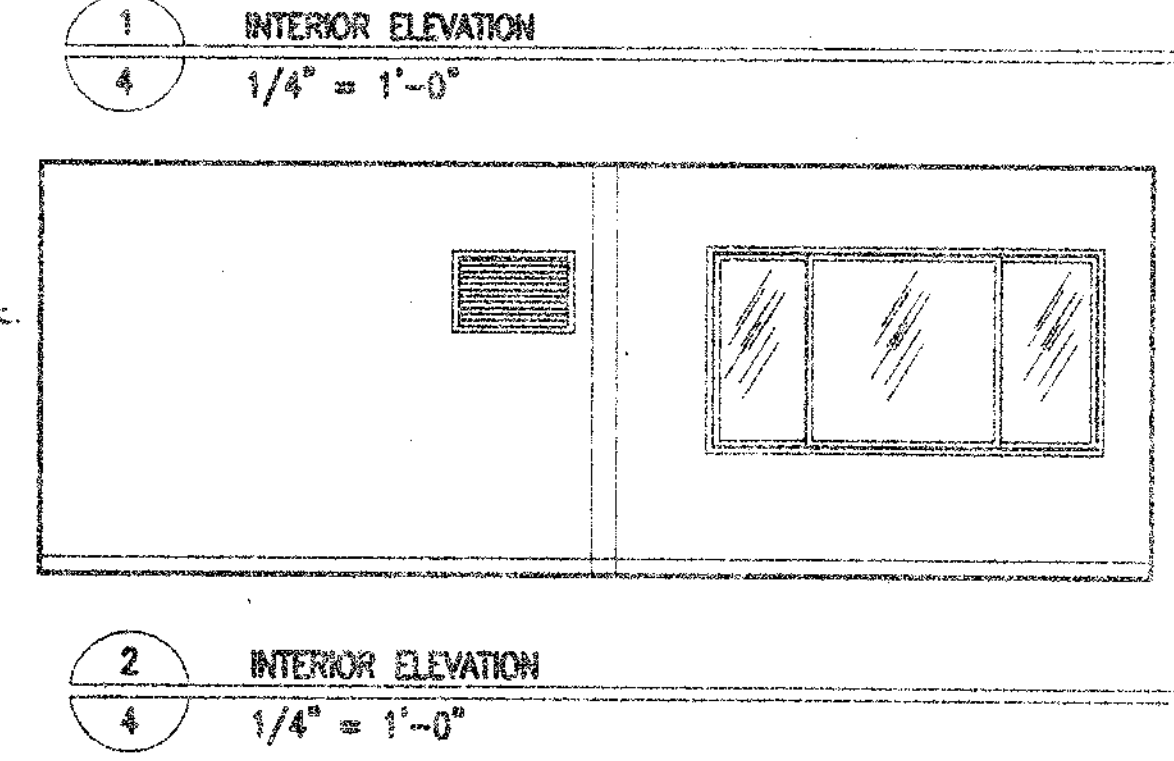
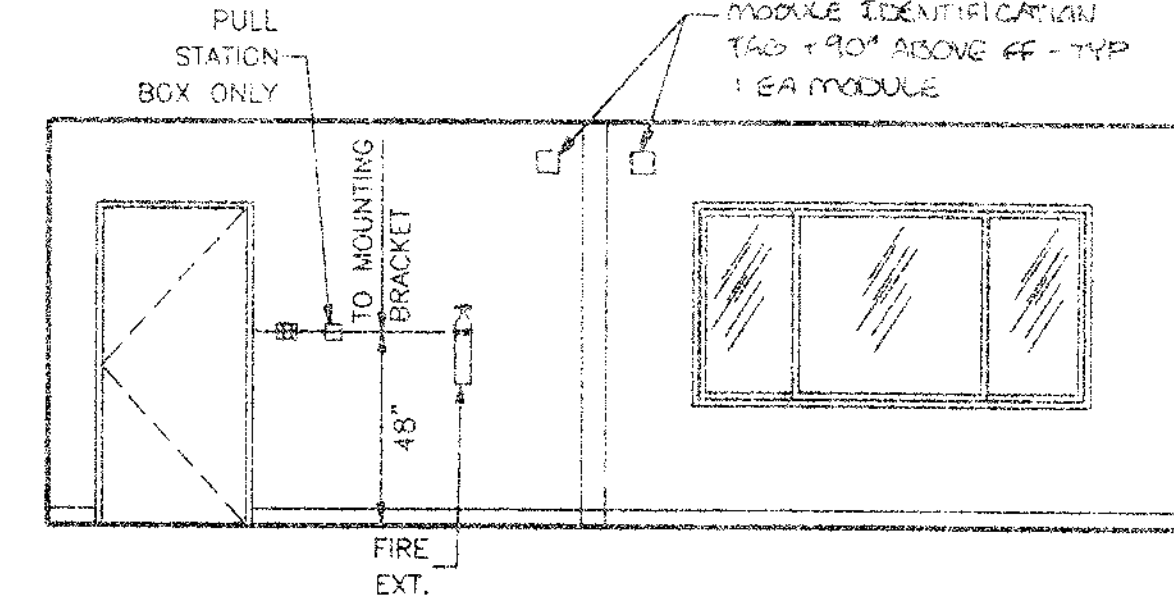
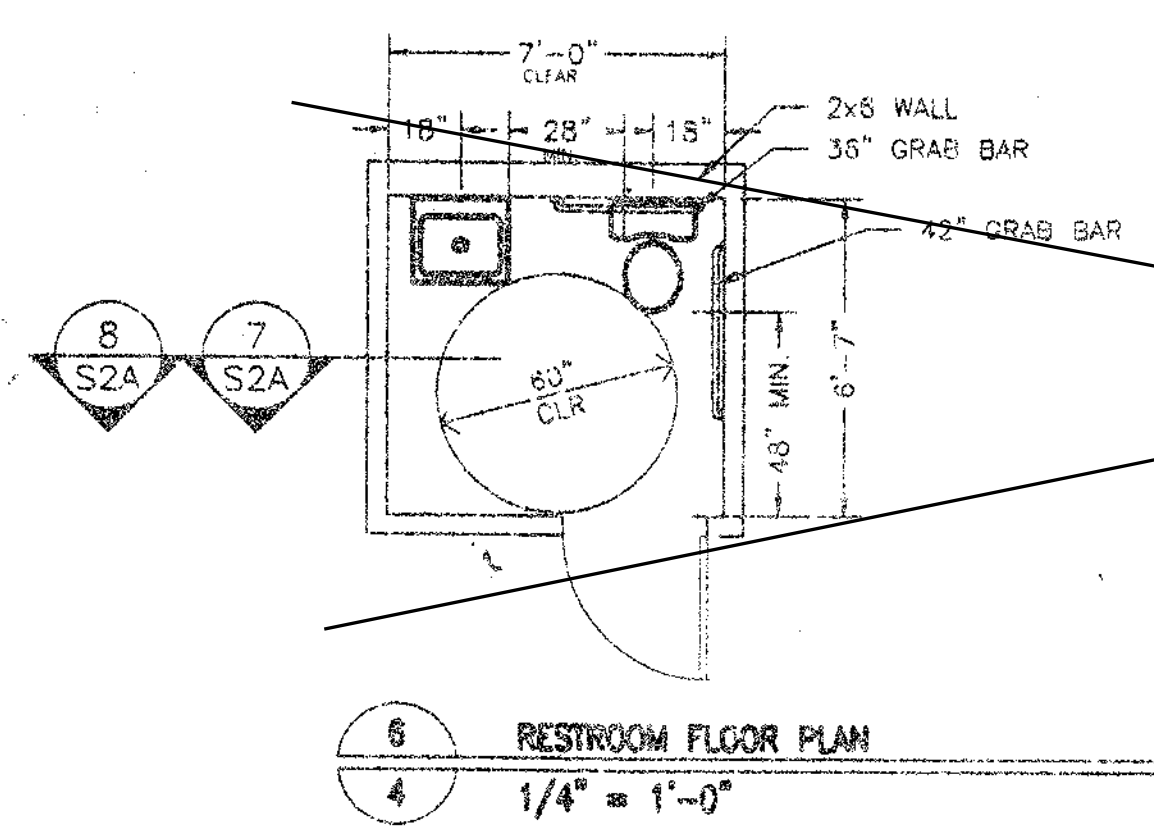
60x12", 60x12"-1/2" and 60x12" ZINC PLATED SHEET METAL SCREWS, 3/8" CROWN X 1-1/2" LENGTH 16 GAUGE STAPLES OR 50 1-1/2" WIDE SHANK NAILS.

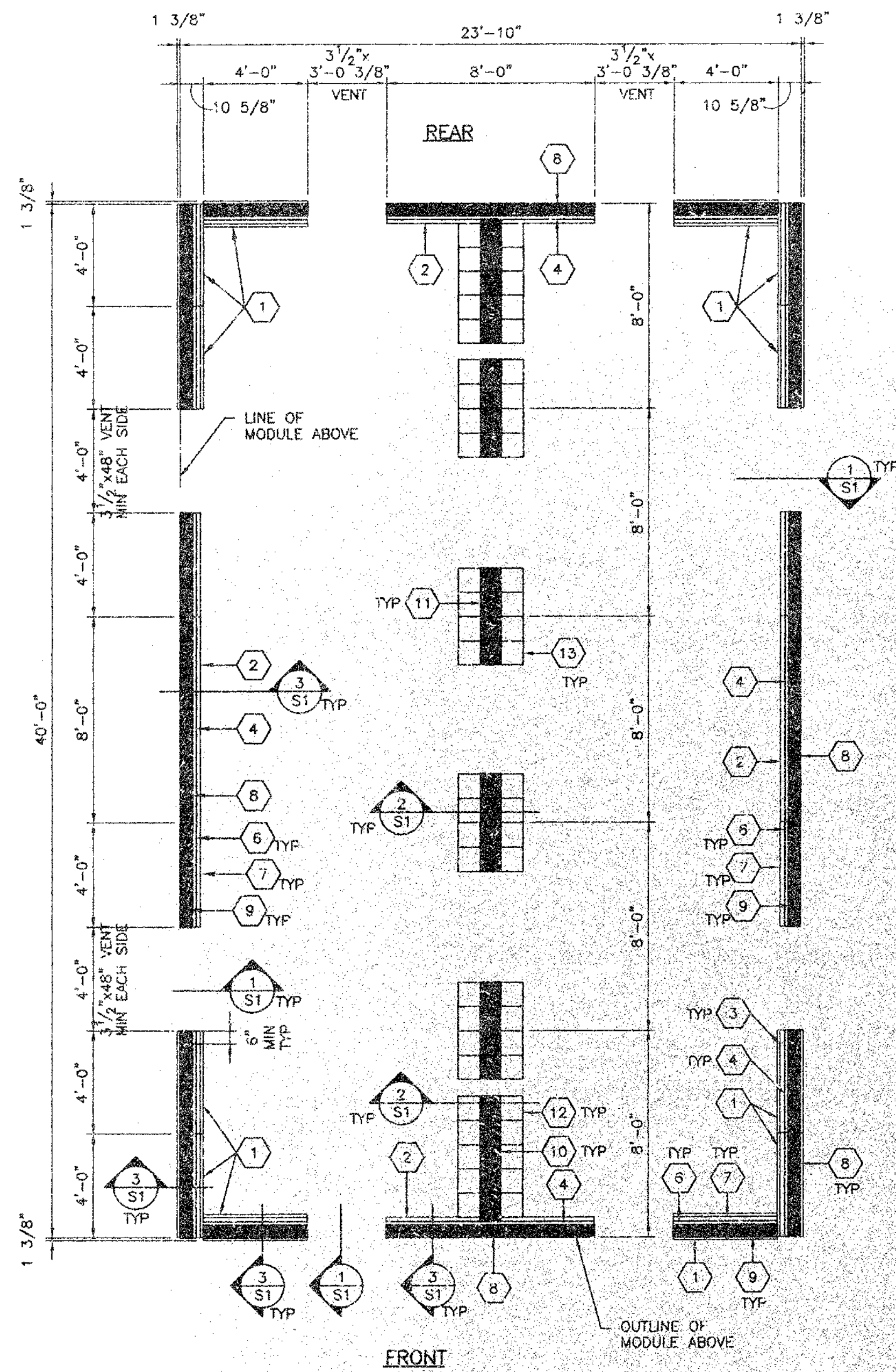
WEATHERPROOFING

VENTS, CHIMNEYS, ROOF CAP, COMPLEX CAP, PAN SPIGOTS, PAN OVERLAP AND FLASHING ARE SEALED WITH #116 VULCAN POLYURETHANE SEALANT MEETING FEDERAL SPECIFICATIONS TT-5-020300, TYPE II, CLASS A. ALL EXPOSED SCREWS WILL USE A WEATHERPROOF WASHER AND BE SEALED WITH APPROVED SEALANT.

CLASS-A FIRE RATING

REQUIRES 1/2" PLYWOOD DECK WITH SOLB FELT UNDERLAMENT.





LEGEND

- | | |
|--|---|
| 1 1/2"x12" WIDE x 48" LONG PT STRUCTURAL PLYWOOD (CDX PLYWOOD) | 8 MULTIPLE 2x6x8'-0" LONG AS REQ'D FOR HEIGHT |
| 2 2x10x8'-0" LONG PT R | 9 MULTIPLE 2x6x4'-0" LONG AS REQ'D FOR HEIGHT |
| 3 2x10x8'-0" LONG R | 10 2x10 R W/ SHIM, SEE 2/S1 |
| 4 2x8x8'-0" LONG R | 11 2x10 BLKG, SEE 2/S1 |
| 5 NOT USED | 12 (5)2x12x2'-6" OR (6)2x10x2'-6" OR (7)2x8x2'-6", SEE 2/S1 |
| 6 2x8x4'-0" LONG R | 13 (4)2x12x2'-0" OR (5)2x10x2'-0" OR (6)2x8x2'-0", SEE 2/S1 |
| 7 2x10x4'-0" LONG R | |

1" Ø GALV. PIPE LOCATIONS-TYPICAL

FOUNDATION PLAN

1/4" = 1'-0"

NOTES:

- TOP OF WOOD PADS TO BE LEVEL.
- DO NOT INSTALL BUILDINGS IN AREAS OF WATER LINES.
- SITE TO BE GRADED TO PREVENT WATER PONDING BENEATH THE STRUCTURE.
- FOUNDATION PLYWOOD TO BE CUT PERPENDICULAR TO THE FACE GRAIN.
- PER THE CONTRACT OF THIS PROJECT-THE BUILDING PAD MUST BE A MINIMUM OF 30'x50' AND SHALL NOT EXCEED 6" OUT OF LEVEL IN ANY DIRECTION.
- VENT AREA REQUIRED= (100 SF) = 6.4 SF
VENT AREA PROVIDED= 6.44 SF

SILL RESTRAINT:

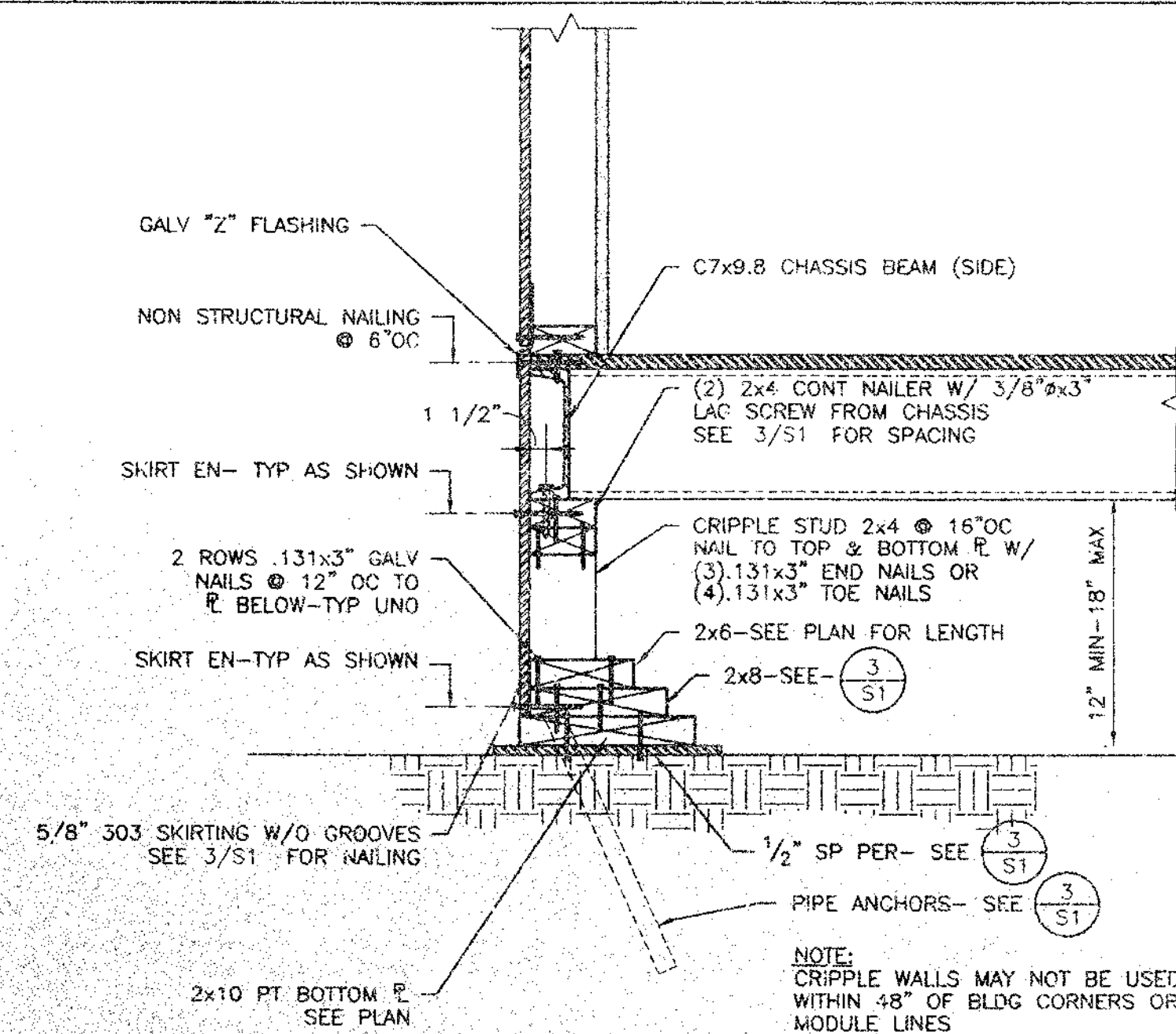
- ON SOIL: 1" Ø GALV. PIPE W/ 12" MIN PENETRATION BELOW SOIL SURFACE @ 10'-0" OC MIN 2 EA 2x R. DRILL SILL 1 1/4" MAX. PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.
- ON A/C PAVING: 1" Ø GALV. PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 10'-0" OC (MIN 2 EA 2x R). DRILL SILL 1 1/4" MAX OR 203 NAILS THRU SILL R @ 32" OC.
- ON CONC PAVING: HILTI DS 82-P10 THRU SILL R @ 4'-0" OC, 2 EA PIECE

FOUNDATIONS:

ALL FOUNDATION MATERIALS IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED EXCEPT SHIMS MAY BE REDWOOD, HEM FIR OR CEDAR. PRESSURE TREATED DOUGLAS FIR, HEM FIR, PLYWOOD, ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING: "THE MATERIAL IN THIS UNIT WAS TREATED PER 1998 CALIFORNIA BUILDING CODE. ALL MATERIAL FOR USE IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT" (LP22). ALL MATERIAL NOT USED IN GROUND CONTACT SHALL BE HF#2 OR DF#2 "FOR ABOVE GROUND USE". THE IN-PLANT INSPECTOR SHALL VERIFY THAT ALL PRESSURE TREATED FOUNDATION MATERIAL IS CUT FROM AWPB STAMPED STOCK AND THAT ALL CUTS AND HOLES ARE RE-TREATED PER SPECIFICATIONS. LP-2 AND LP-22 MATERIAL SHALL BE Banded SEPARATELY FOR SHIPMENT TO THE JOB SITE. THE IN-PLANT INSPECTOR'S VERIFICATION OF EACH Banded UNIT SHALL BE ATTACHED TO THE MATERIAL.

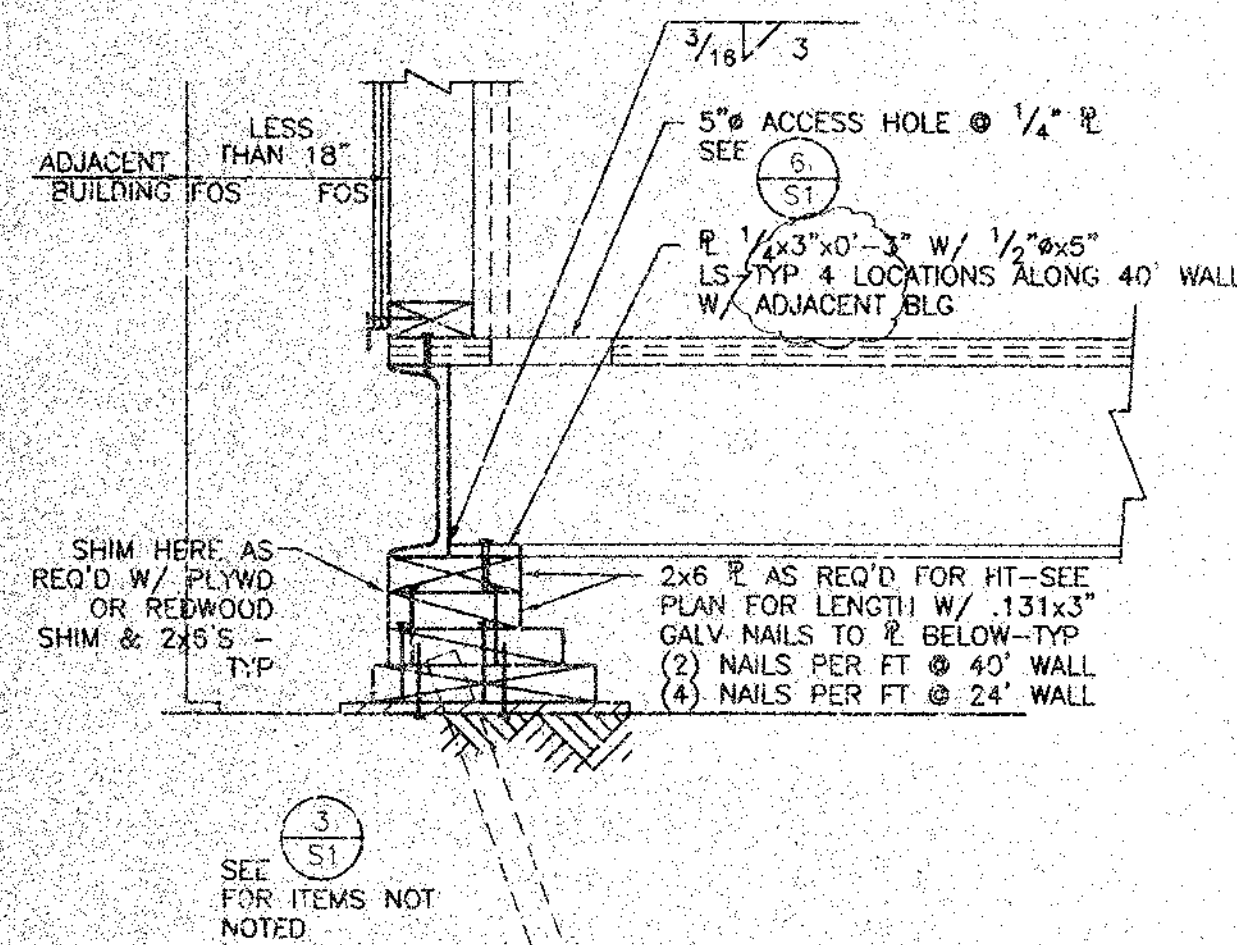
CONCRETE OR CONCRETE BLOCK FOUNDATIONS ARE NOT ALLOWED. THE FOOTING DESIGN SHALL PROVIDE FOR SHIMS AND BLOCKS NECESSARY TO PERMIT INSTALLATION ON SITES NOT LEVEL, BUT WITHIN TOLERANCE ALLOWED.

INSTALLATION SHALL BE PERMITTED ON EITHER SOIL, CONCRETE OR A/C PAVING, HAVING SUITABLE DESIGN BEARING CAPACITY. THE BUILDINGS SHALL BE SECURELY FASTENED TO THE FOUNDATIONS. THE FOUNDATIONS AND THE METHOD OF FASTENING SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND DSA. PADS SHALL BE DESIGNED FOR A MAXIMUM OF 1000 PSF LOAD ON THE SOIL. PADS SHALL NOT BE PLACED ON TURF.



FOUNDATION DETAIL

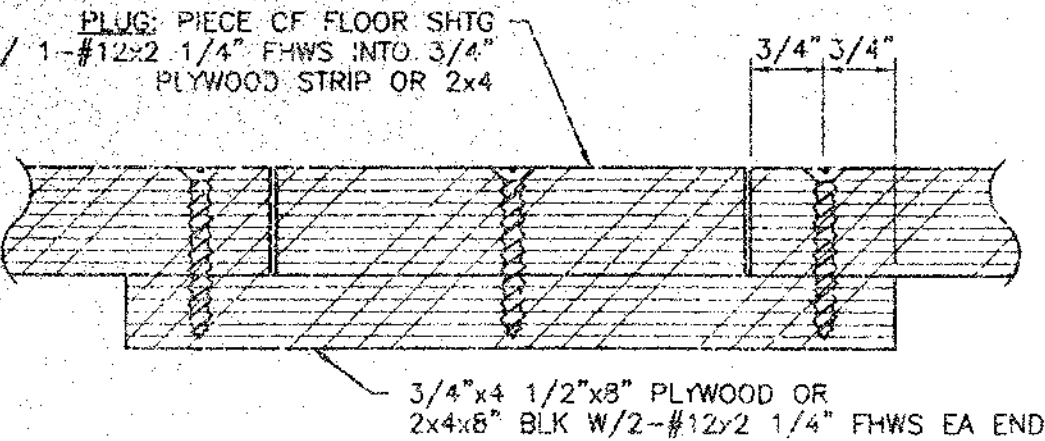
1 1/2" = 1'-0"



OPTIONAL FOR BUILDING PLACES LESS THAN 18" APART

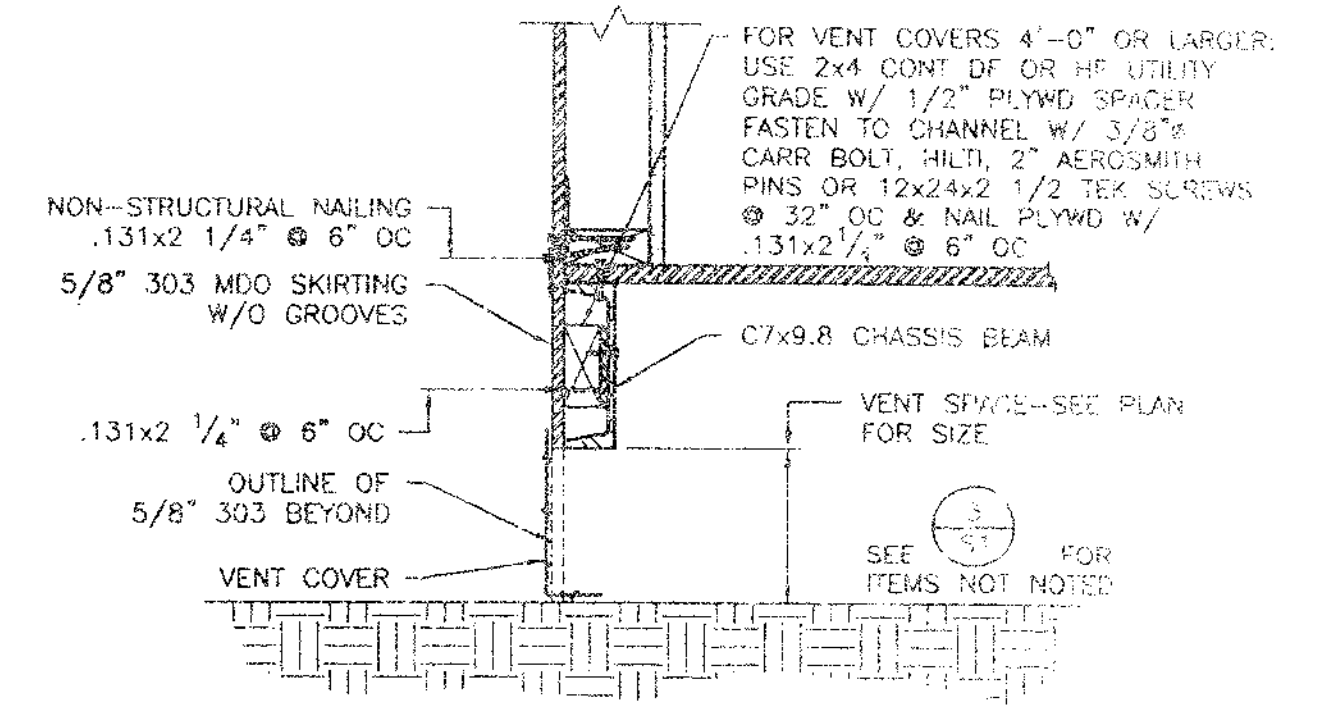
FOUNDATION DETAIL

1 1/2" = 1'-0"



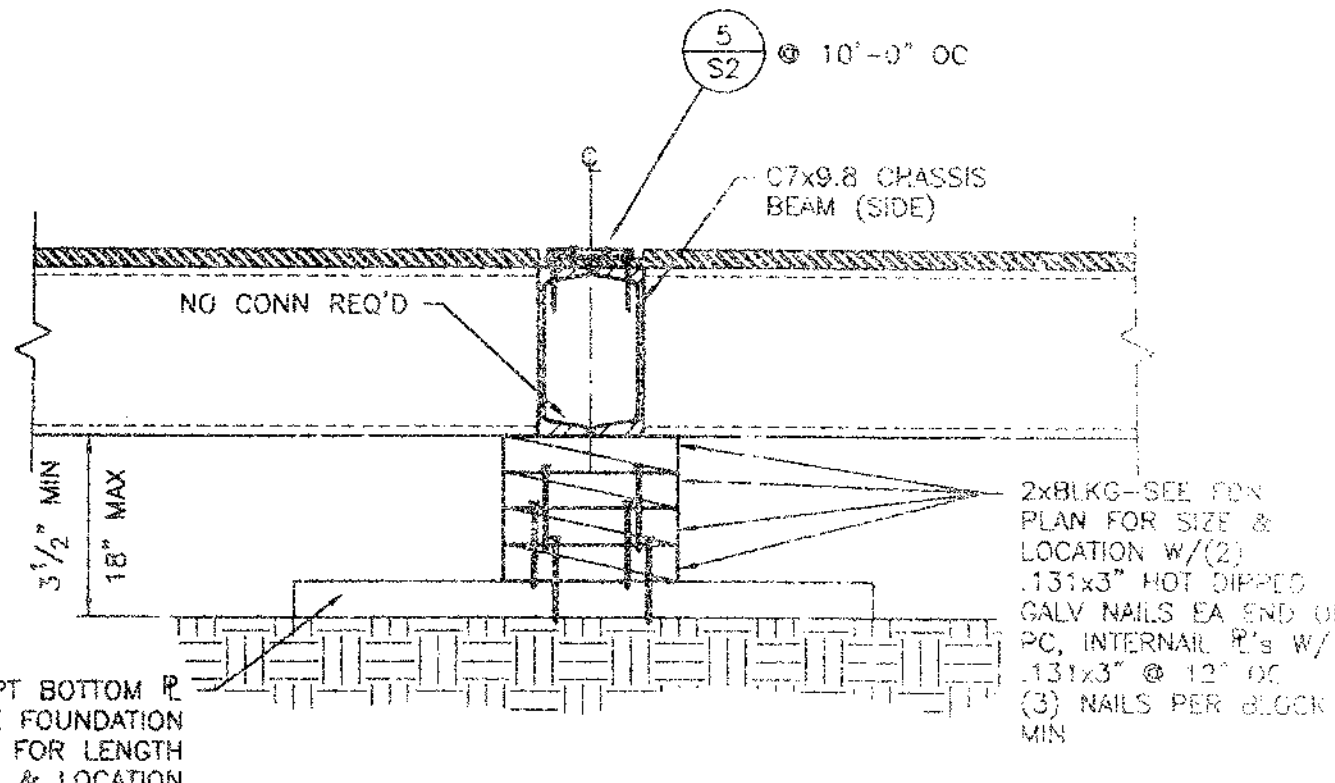
FILLER ACCESS HOLE DETAIL

NO SCALE



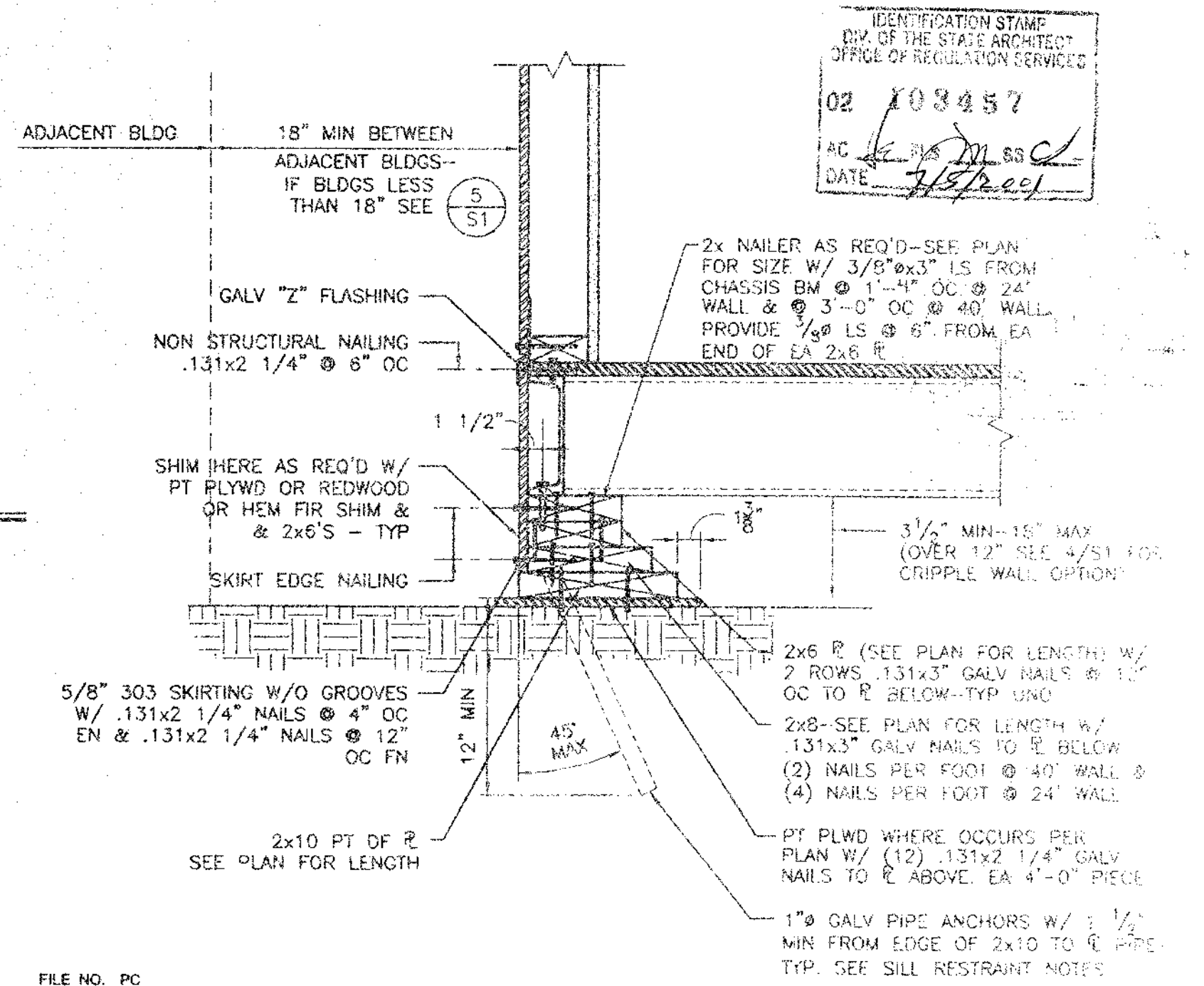
FOUNDATION DETAIL

1 1/2" = 1'-0"



DETAIL

1 1/2" = 1'-0"



FOUNDATION DETAIL

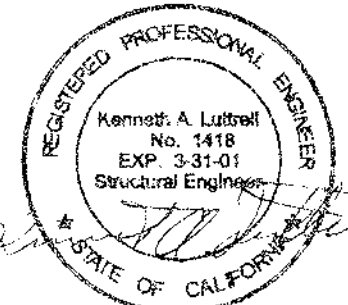
1 1/2" = 1'-0"

FILE NO. PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-101837
AC. JAN 18 2009
DATE

WOOD: 50 PSF FLOOR LIVE LOAD
W/O PARTITION LOAD

24 x 40
RELOCATABLE
CLASSROOM

American Modular Systems



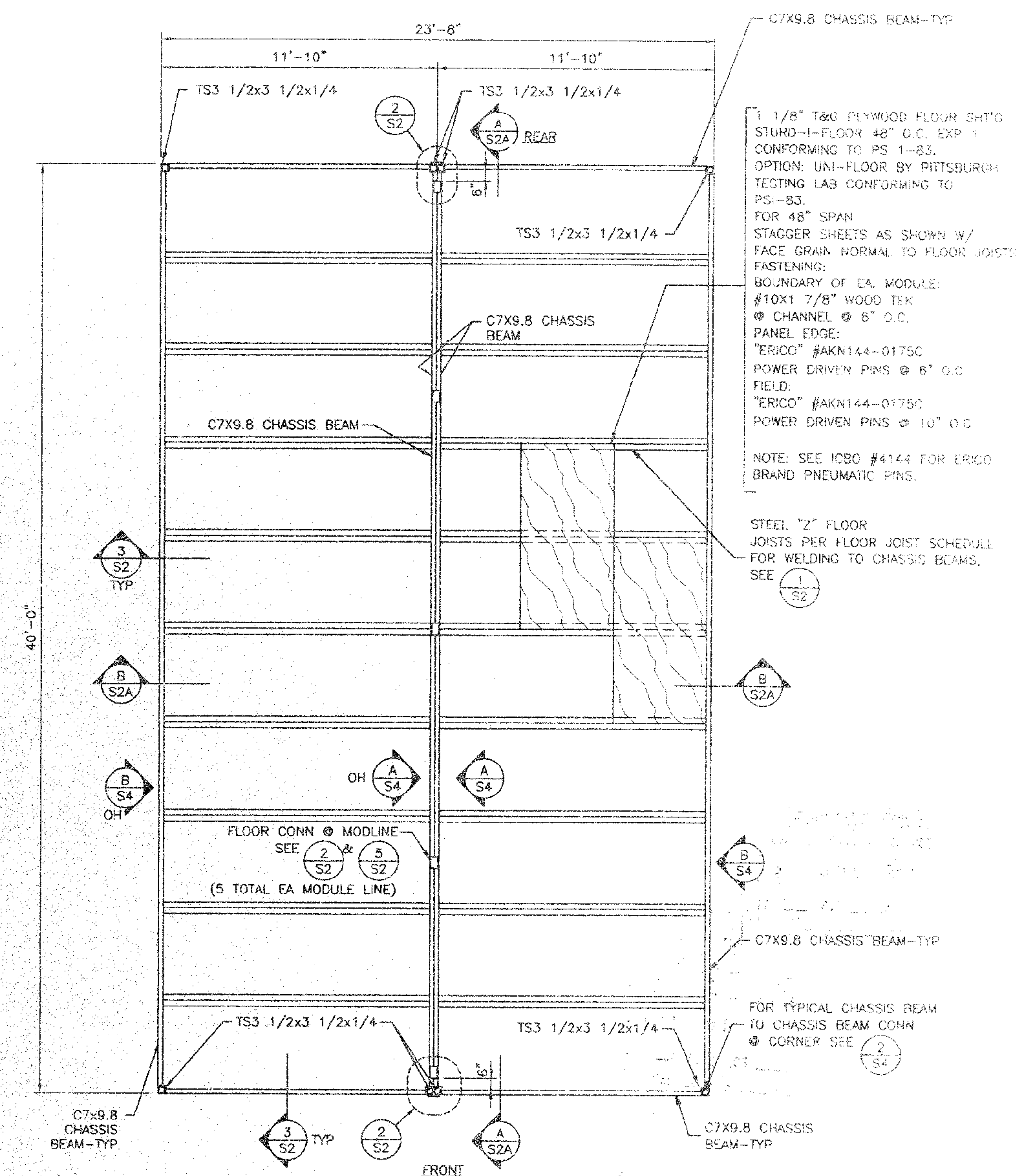
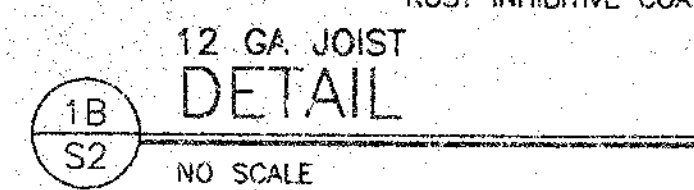
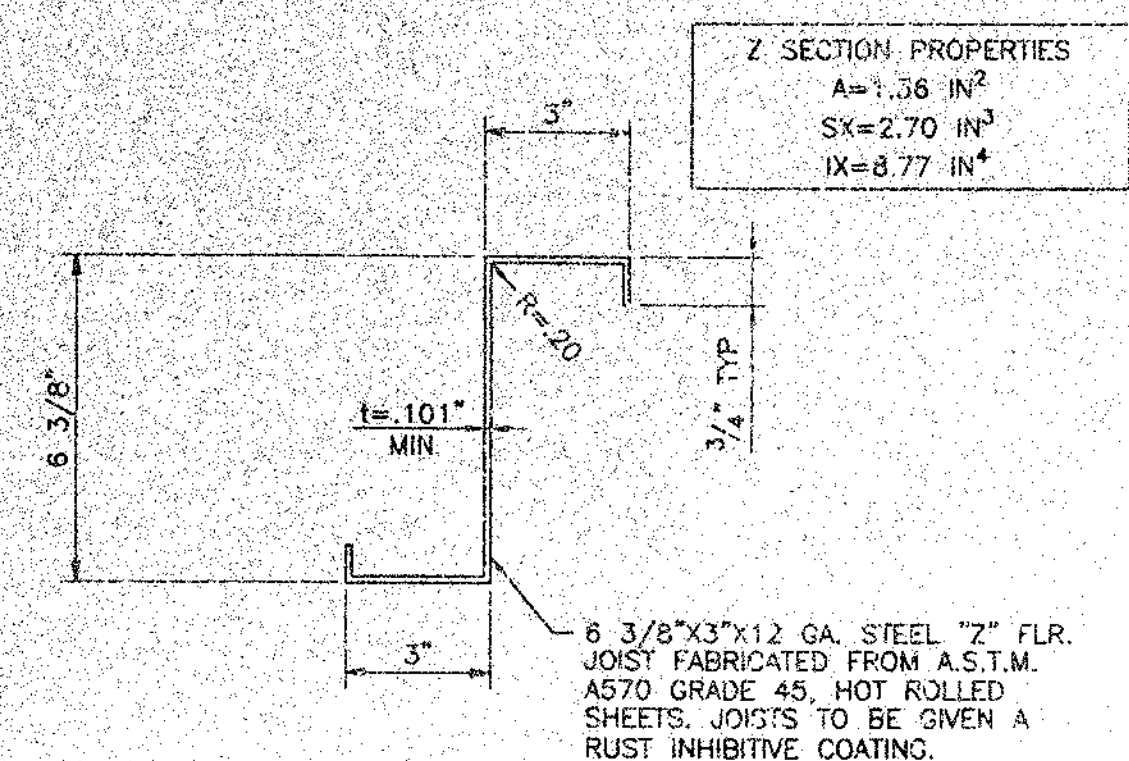
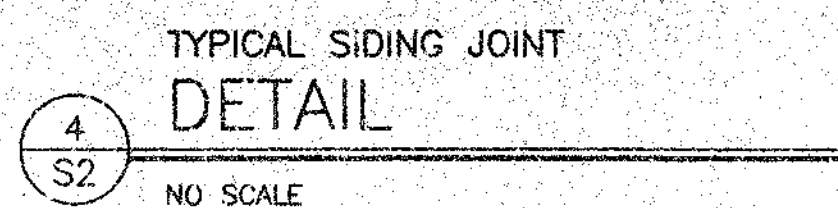
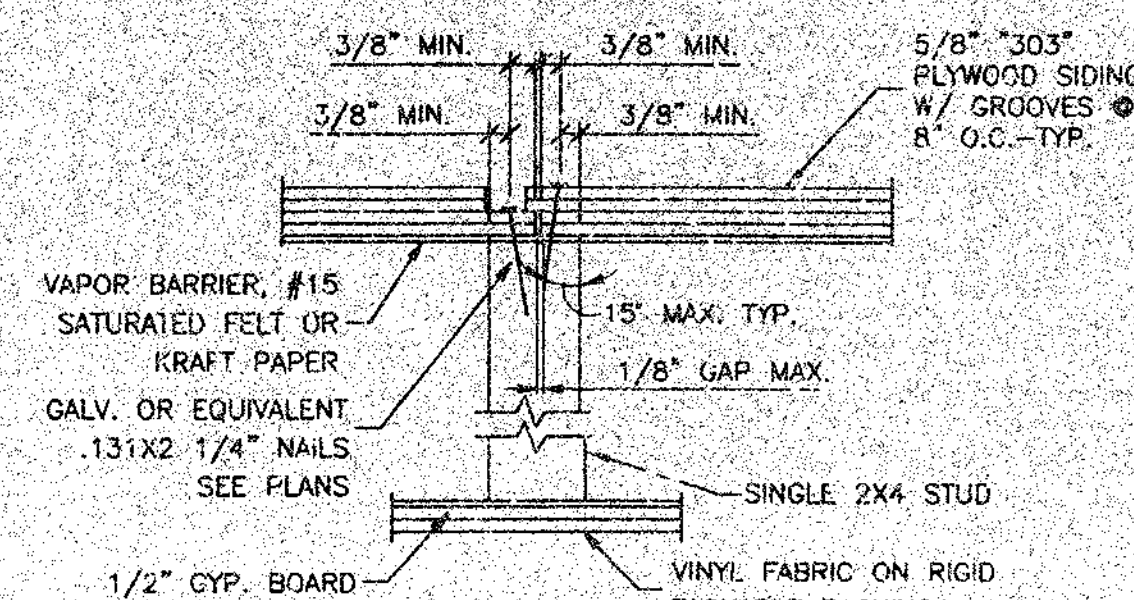
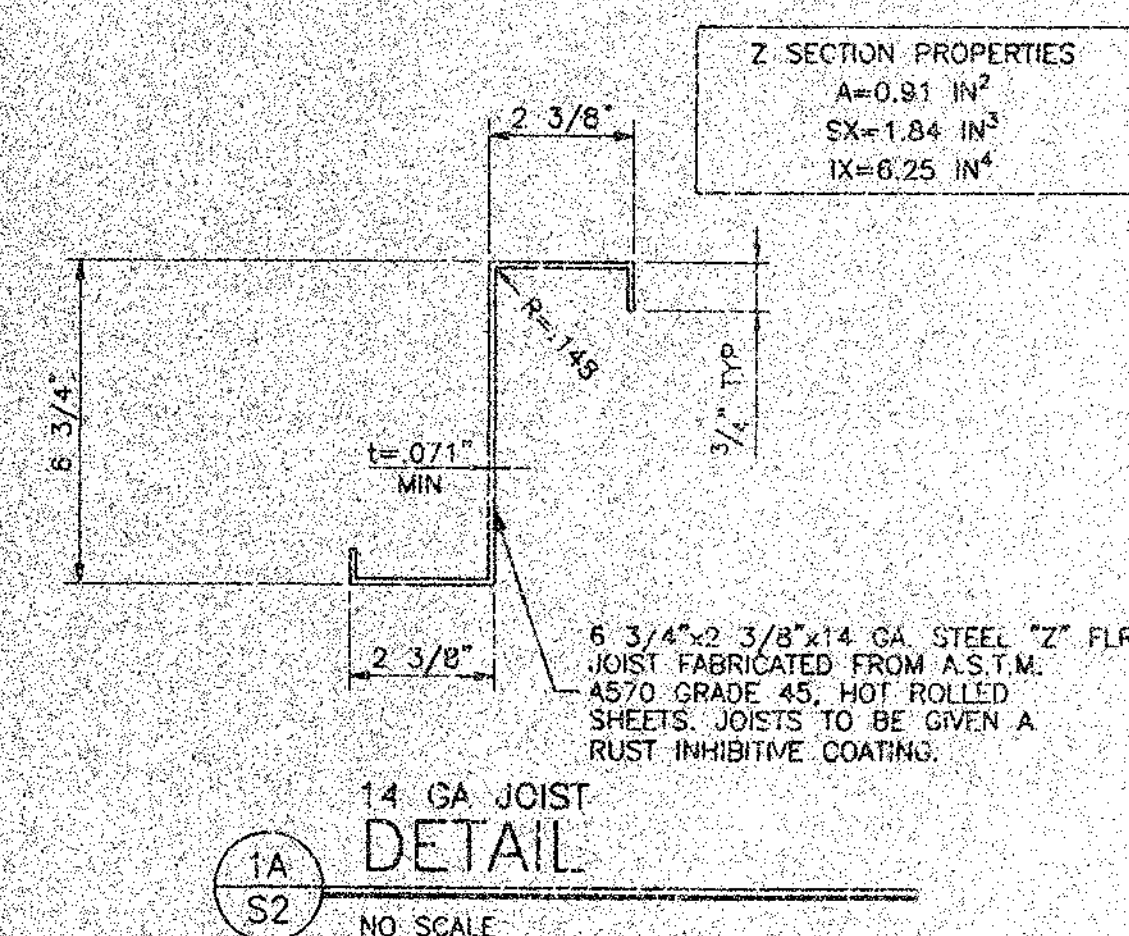
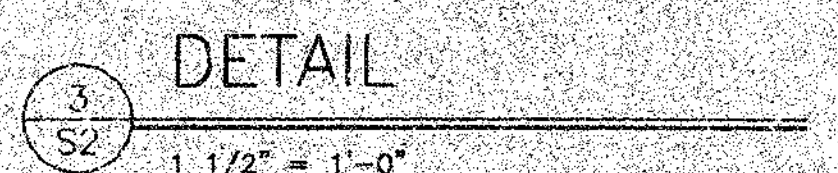
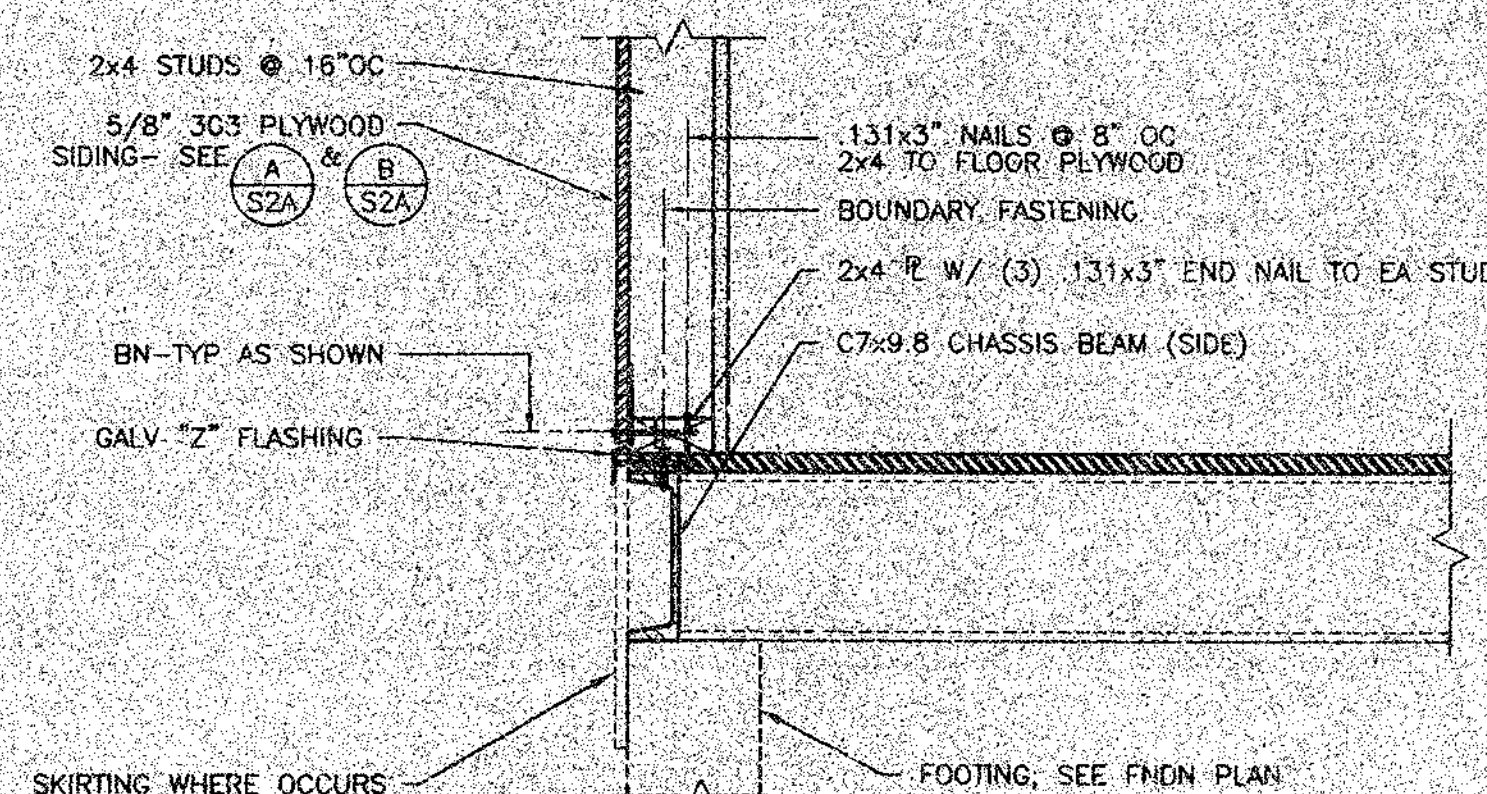
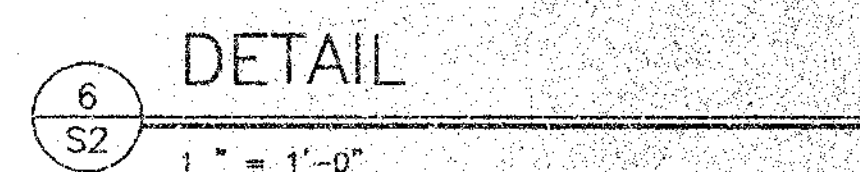
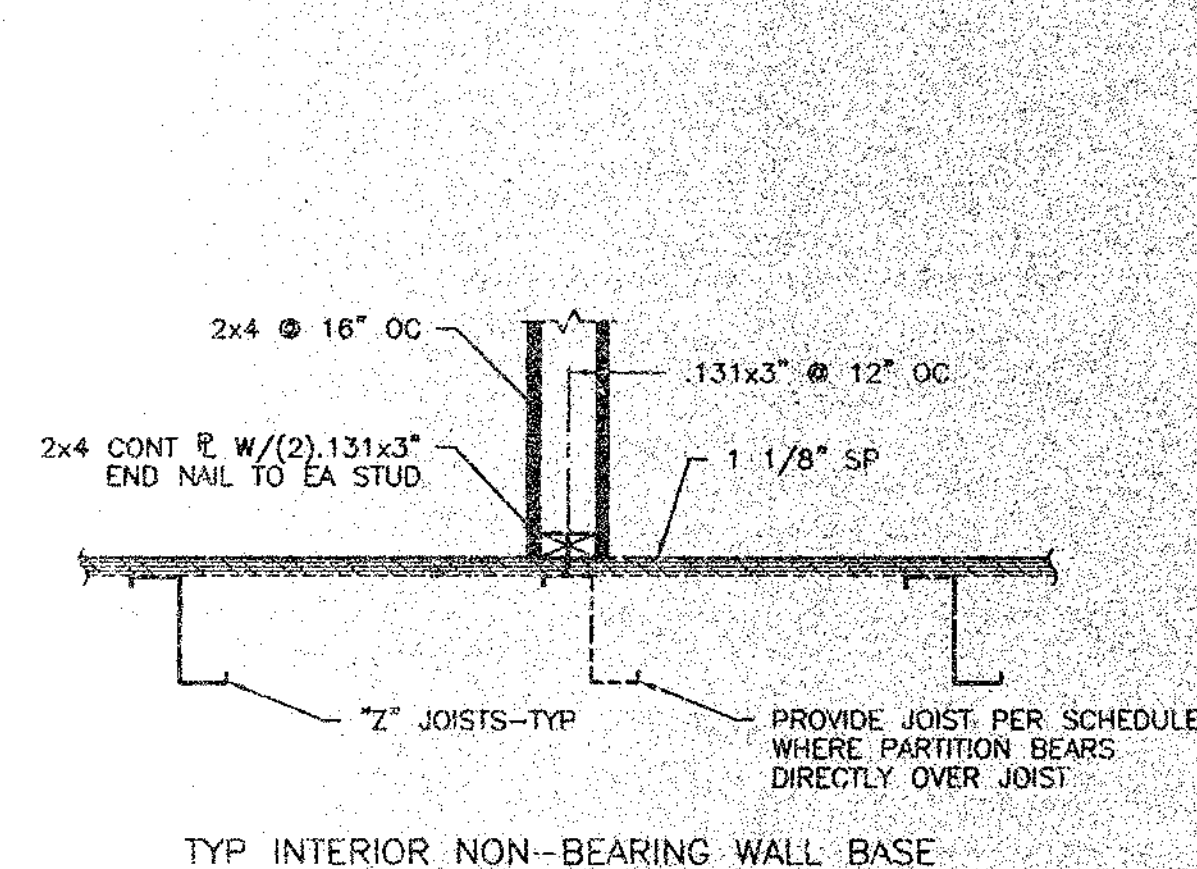
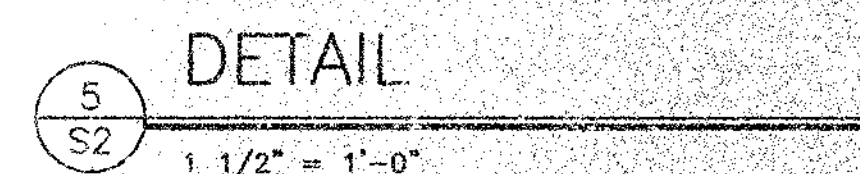
CUSTOMER:

FOUNDATION PLAN
AND DETAILS

DATE: 12/27/09
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MGB
CHECKED BY: KAL
SERIAL NO.

REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

PROJECT NO.
99100
SHEET NO.
S1



NOTES:
1. SEE SHEET S4 FOR
TYPICAL WALL FRAMING.

FLOOR FRAMING PLAN

FLOOR JOIST SCHEDULE		
LIVE LOAD	SPACING	
	14 GA JOIST	12 GA JOIST
50 PSF	48" OC	48" OC
100 PSF	24" OC	24" OC
125 PSF	-	24" OC

NOTES:

1. FOR JOISTS SEE 1A/S2 AND 1B/S2.
2. SPACING IS TO CENTER LINE OF TOP FLANGE.
3. PROVIDE 12 GA JOIST WHERE PARTITION BEARS DIRECTLY OVER JOIST.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHIVES
OFFICE OF DOCUMENT SERVICES
02 103467
AC FILED IN 85
DATE FEB 20 1985

FILE NO. PC
IDENTIFICATION SYSTEM
DIV. OF THE STATE ARCHIVES
OFFICE OF REGULATORY SERVICES
APPLICATION NO.
ID NO. 577
AC. _____ FLS. _____ SS. _____
DATE: 1988-03-06

24 x 40
RELOCATABLE
CLASSROOM



REGISTERED PROFESSIONAL ENGINEER
 Kenneth A. Luttrell
 No. 1418
 EXP. 3-31-01
 Structural Engineer
 STATE OF CALIFORNIA

CUSTOMER:

FLOOR FRAMING
PLAN AND DETAILS

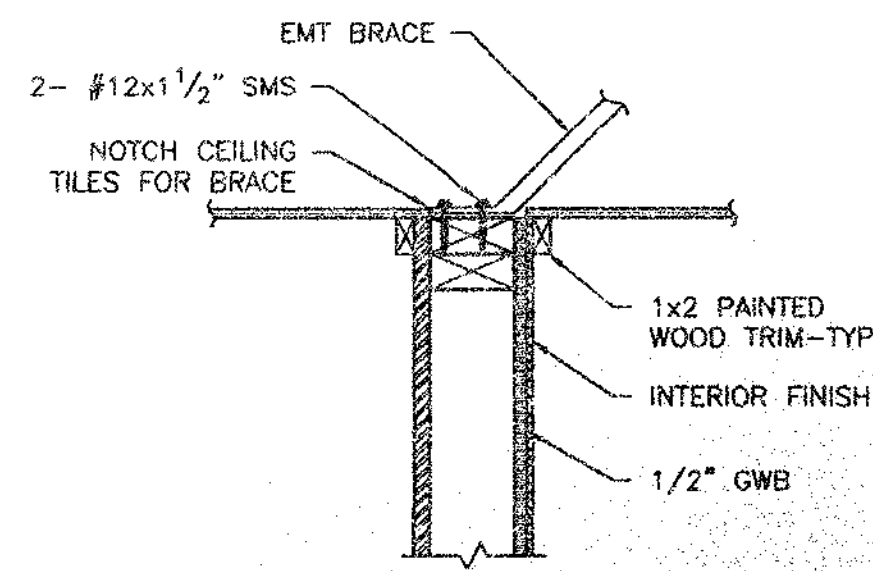
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SCALE:	AS NOTED
DRAWN BY:	PWD
DESIGNED BY:	MOB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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△			△		
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CH_3COO^-

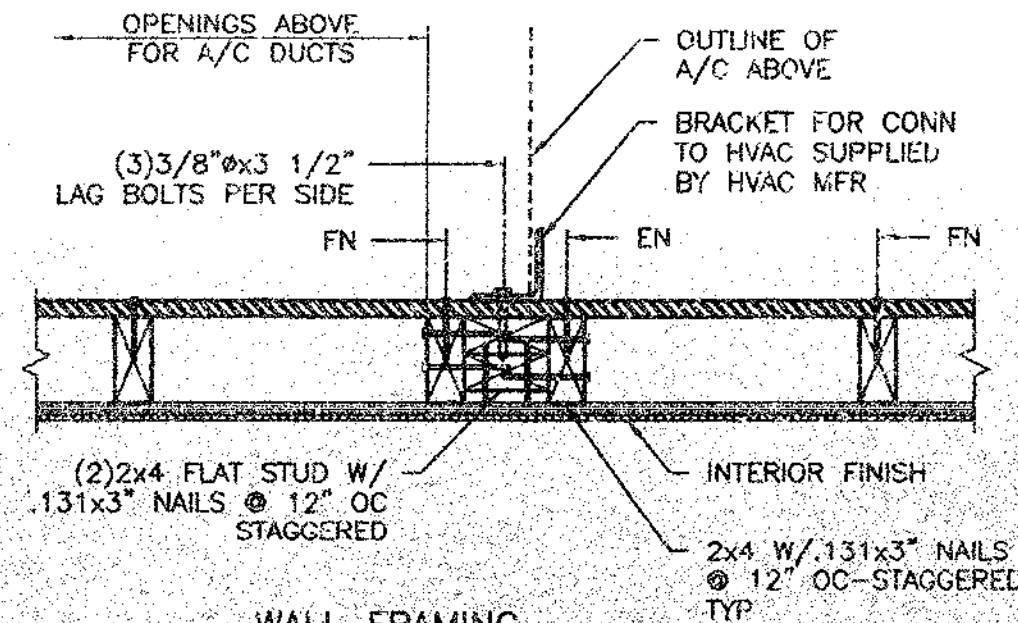
Siêu thị

S2



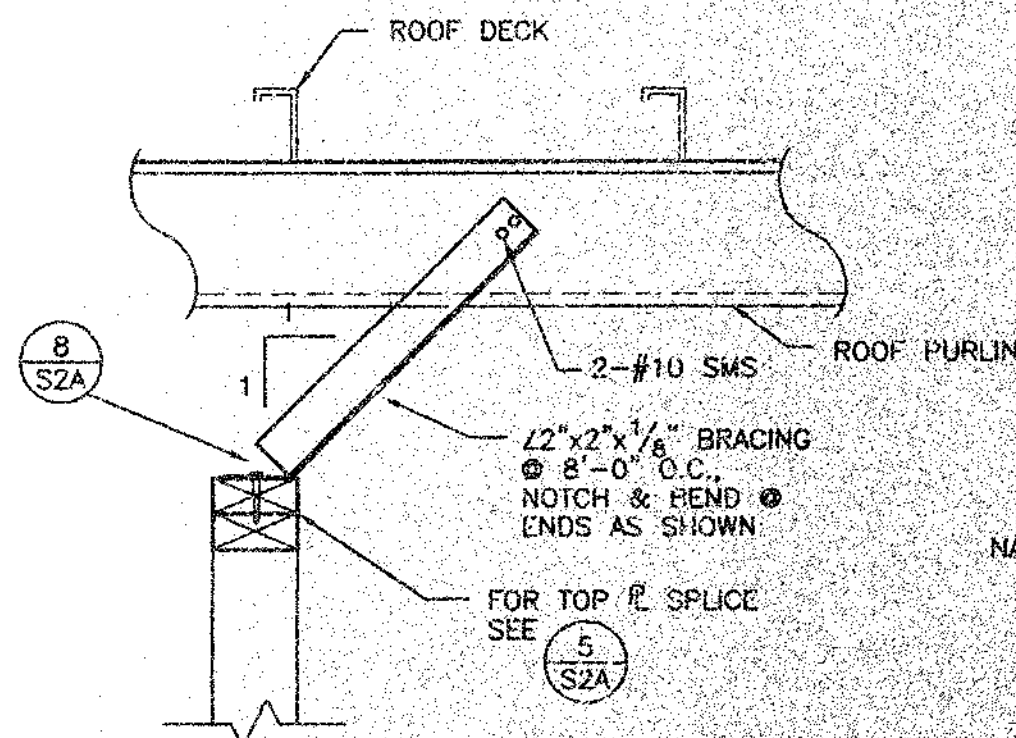
WALL FRAMING
DETAIL

6
S2A
1 1/2" = 1'-0"

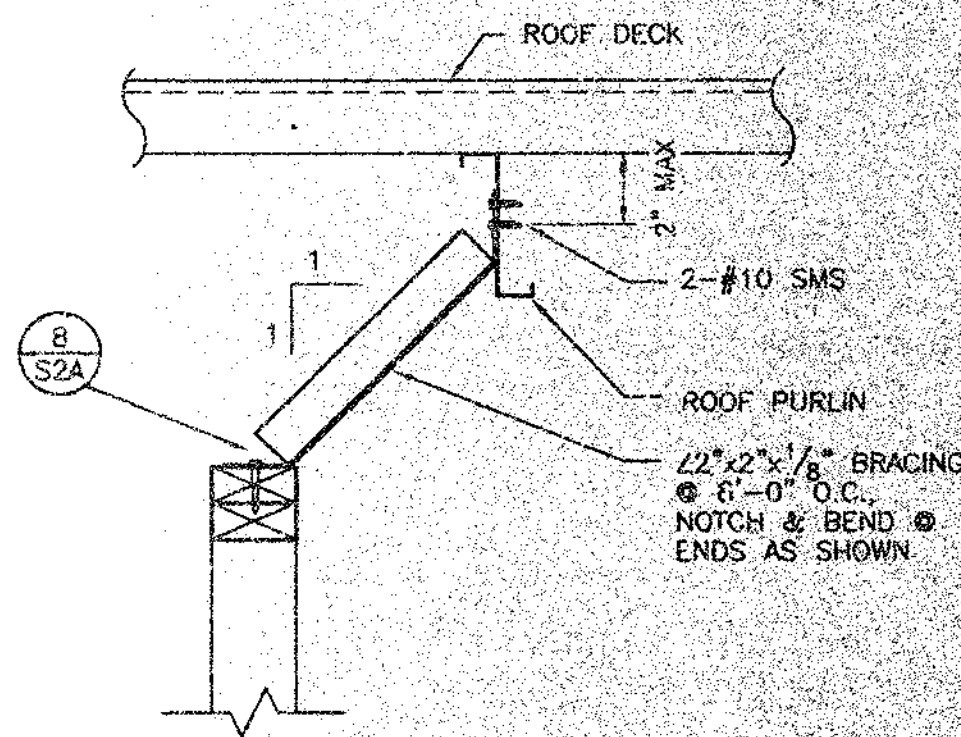


WALL FRAMING
PLAN DETAIL

3
S2A
1 1/2" = 1'-0"



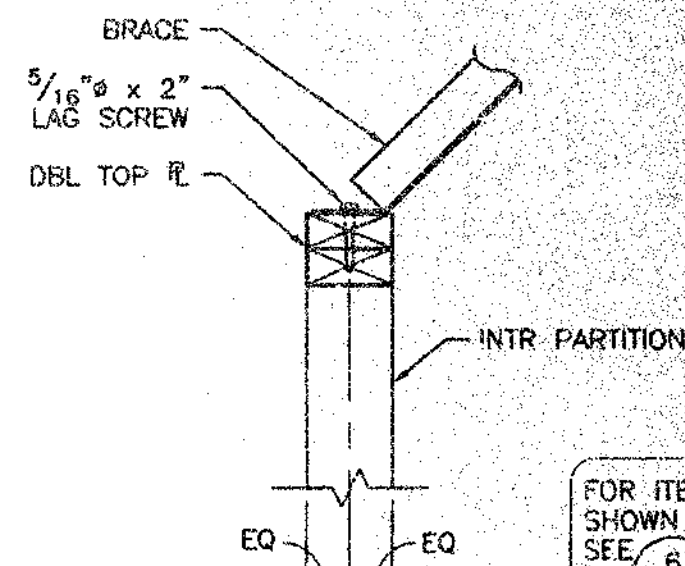
BRACE PARALLEL TO PURLINS



BRACE PERPENDICULAR TO PURLINS

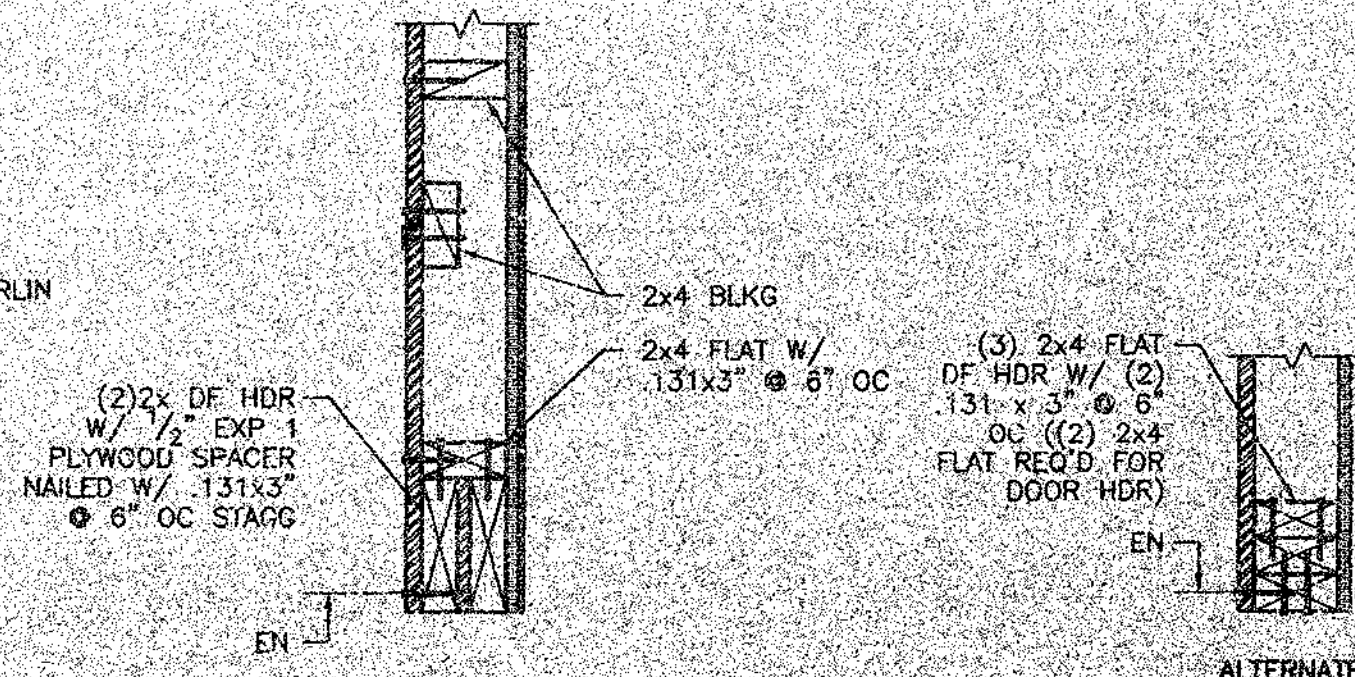
ALT. WALL FRAMING
DETAIL

7
S2A
1 1/2" = 1'-0"



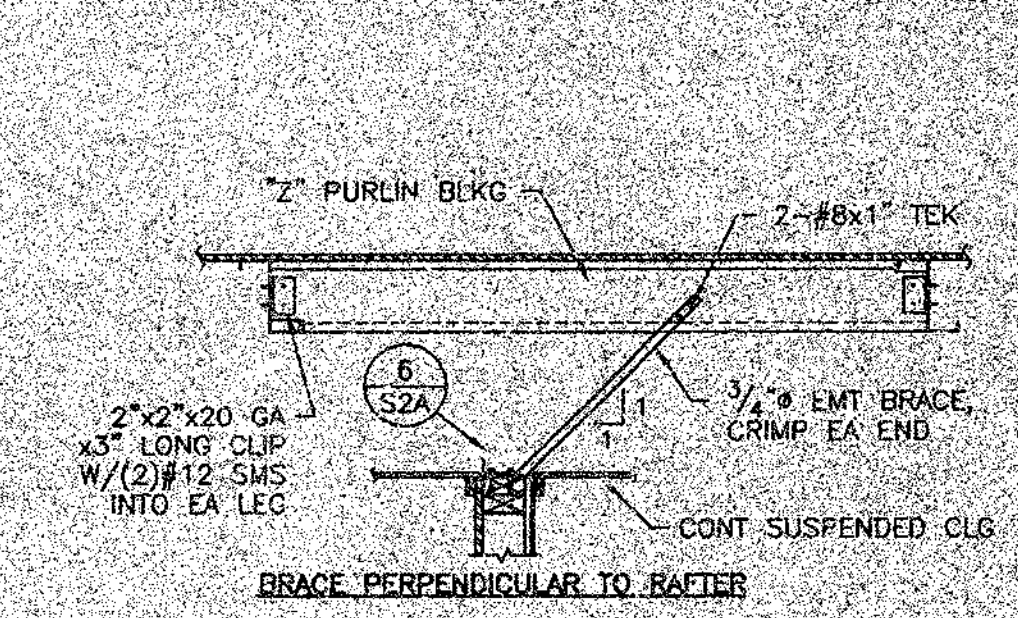
WALL FRAMING
DETAIL

8
S2A
1 1/2" = 1'-0"

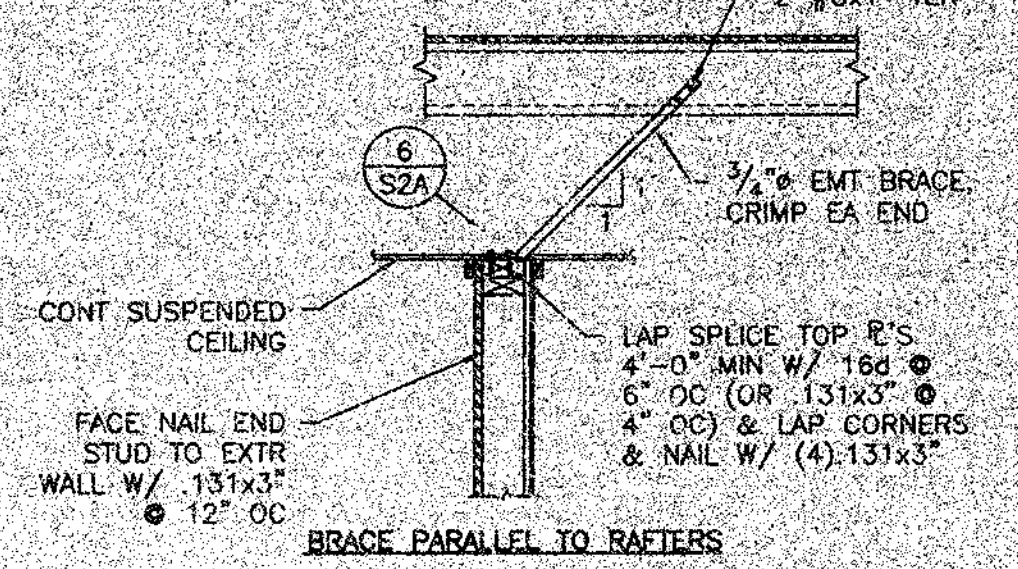


WALL FRAMING
DETAIL

4
S2A
1 1/2" = 1'-0"



BRACE PERPENDICULAR TO RAFTER

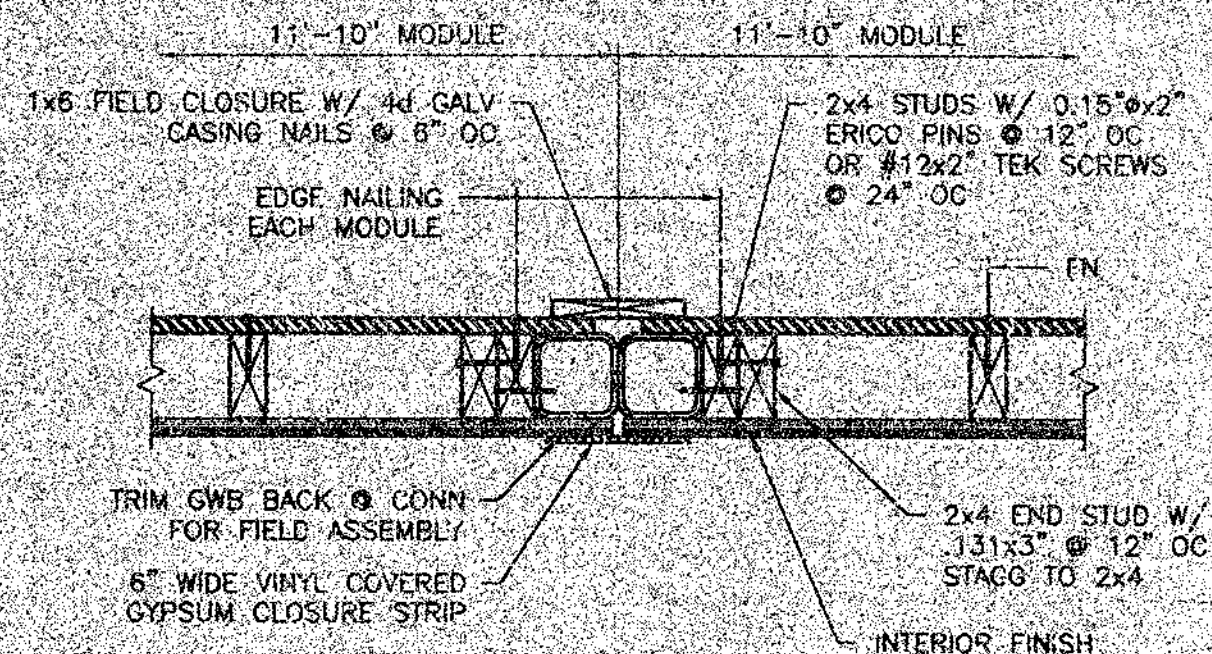


BRACE PARALLEL TO RAFTERS

NOTE:
TOP R MUST BE BRACED @ 8'-0" MAX BY EITHER AN
INTERSECTING WALL OR WITH AN EMT BRACE TO THE RAFTERS.

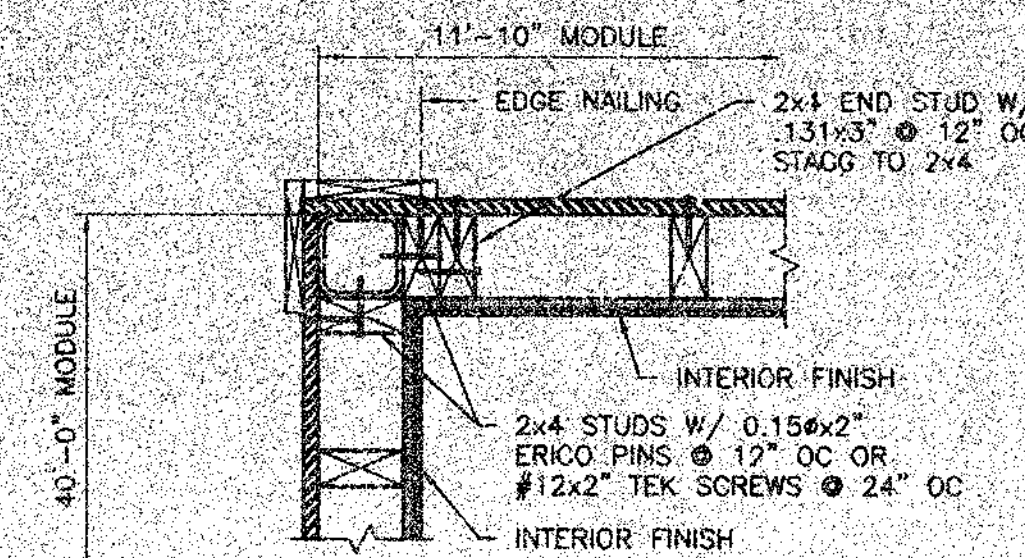
WALL FRAMING
DETAIL

5
S2A
NO SCALE



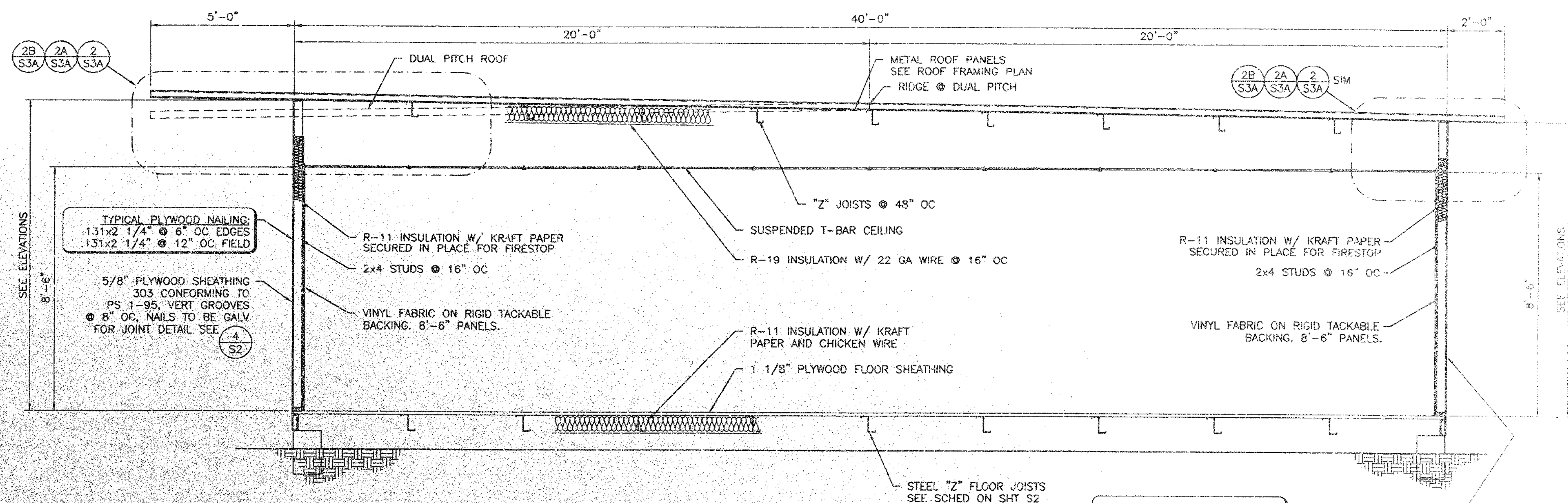
WALL FRAMING
PLAN DETAIL

1
S2A
1 1/2" = 1'-0"



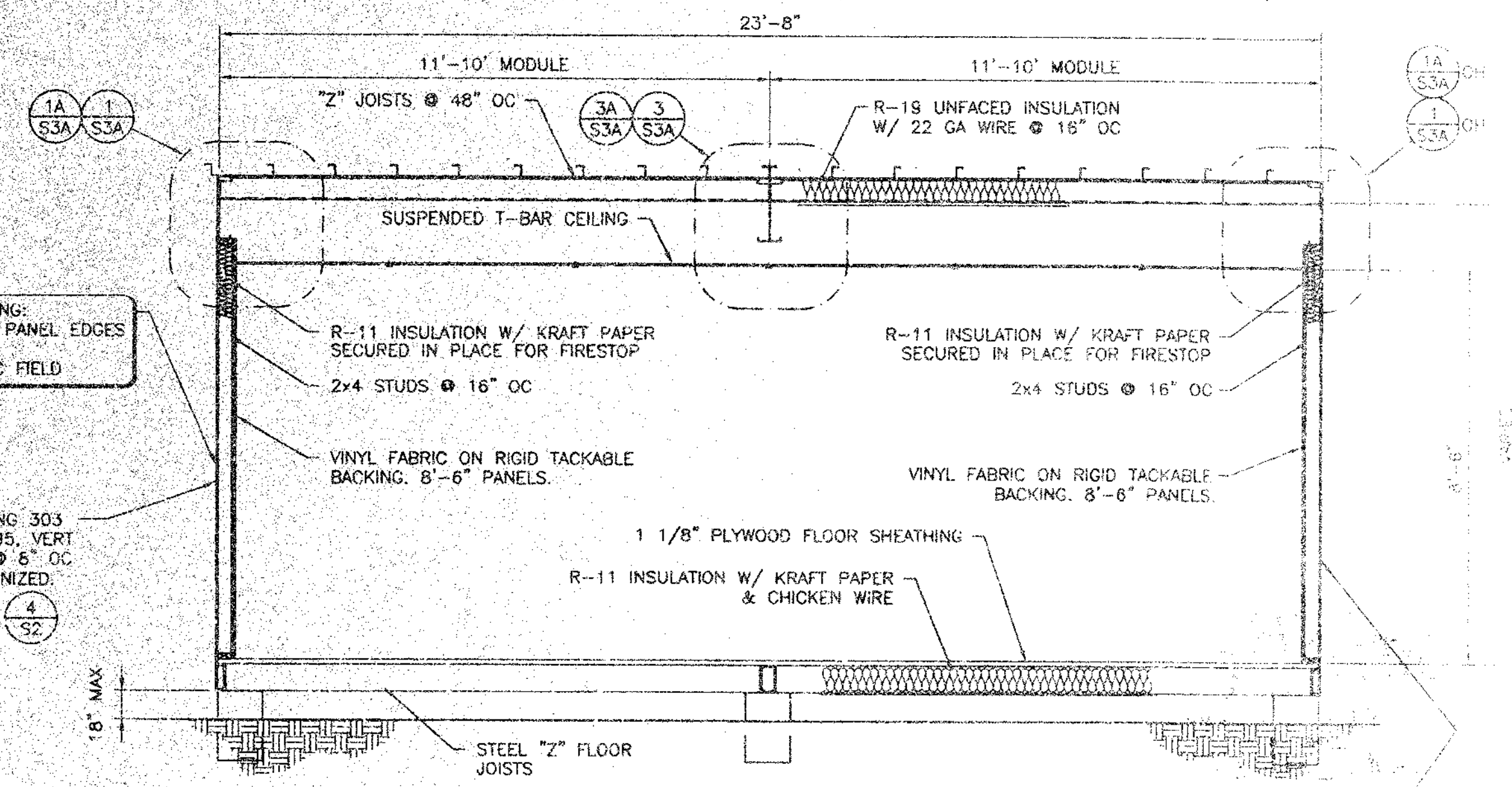
WALL FRAMING
PLAN DETAIL

2
S2A
1 1/2" = 1'-0"



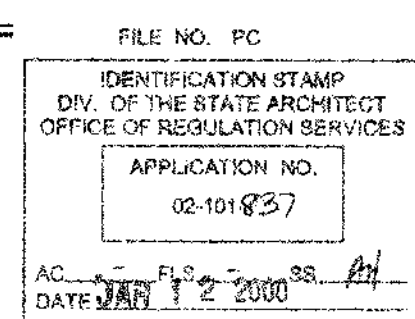
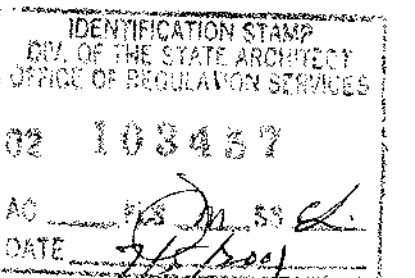
TYPICAL LONGITUDINAL SECTION

A
S2A
3/8" = 1'-0"



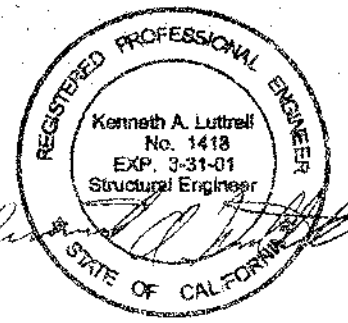
TYPICAL TRANSVERSE SECTION

B
S2A
3/8" = 1'-0"



24 x 40
RELOCATABLE
CLASSROOM

**American
Modular Systems**



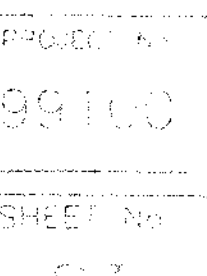
CUSTOMER:

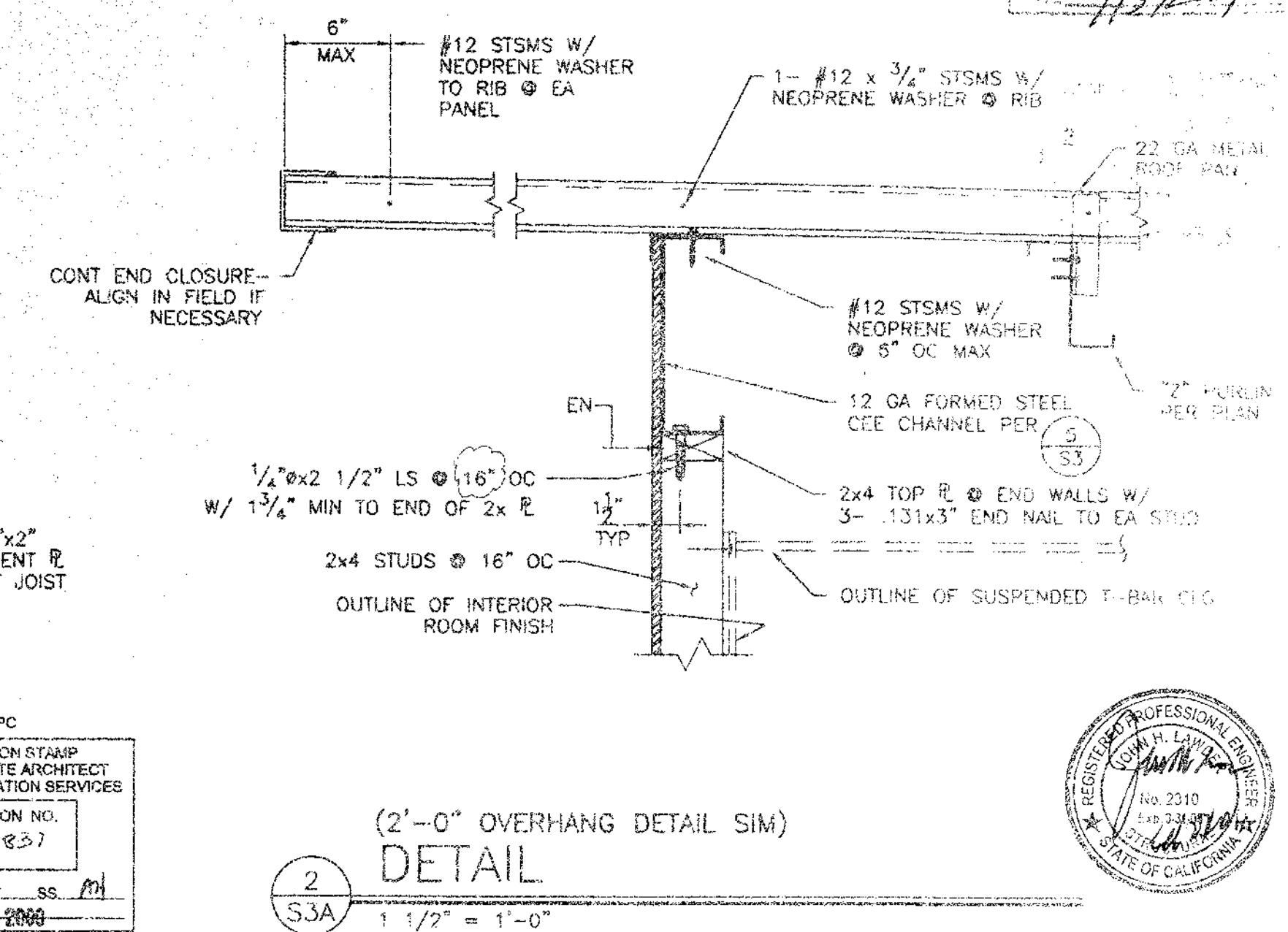
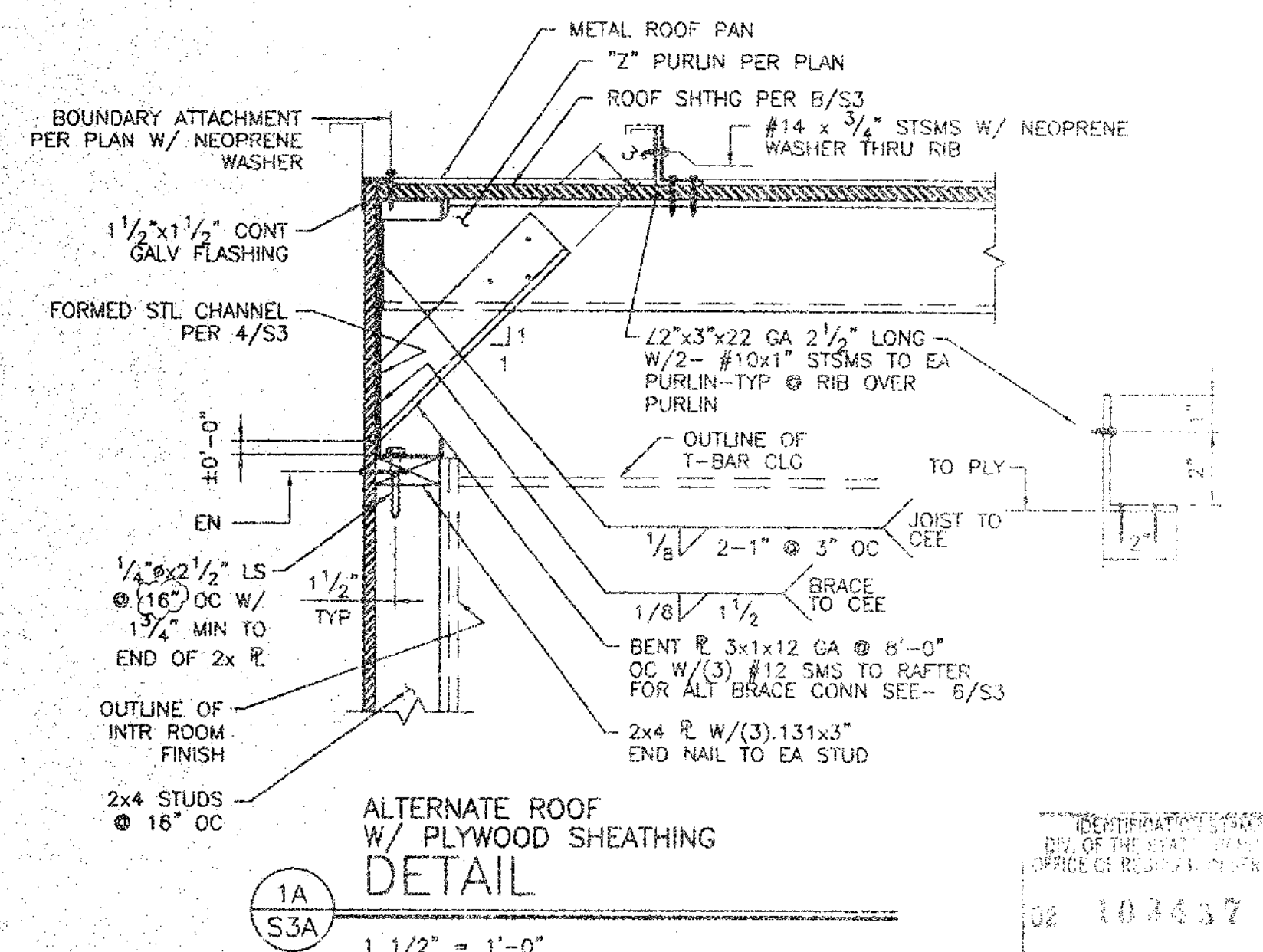
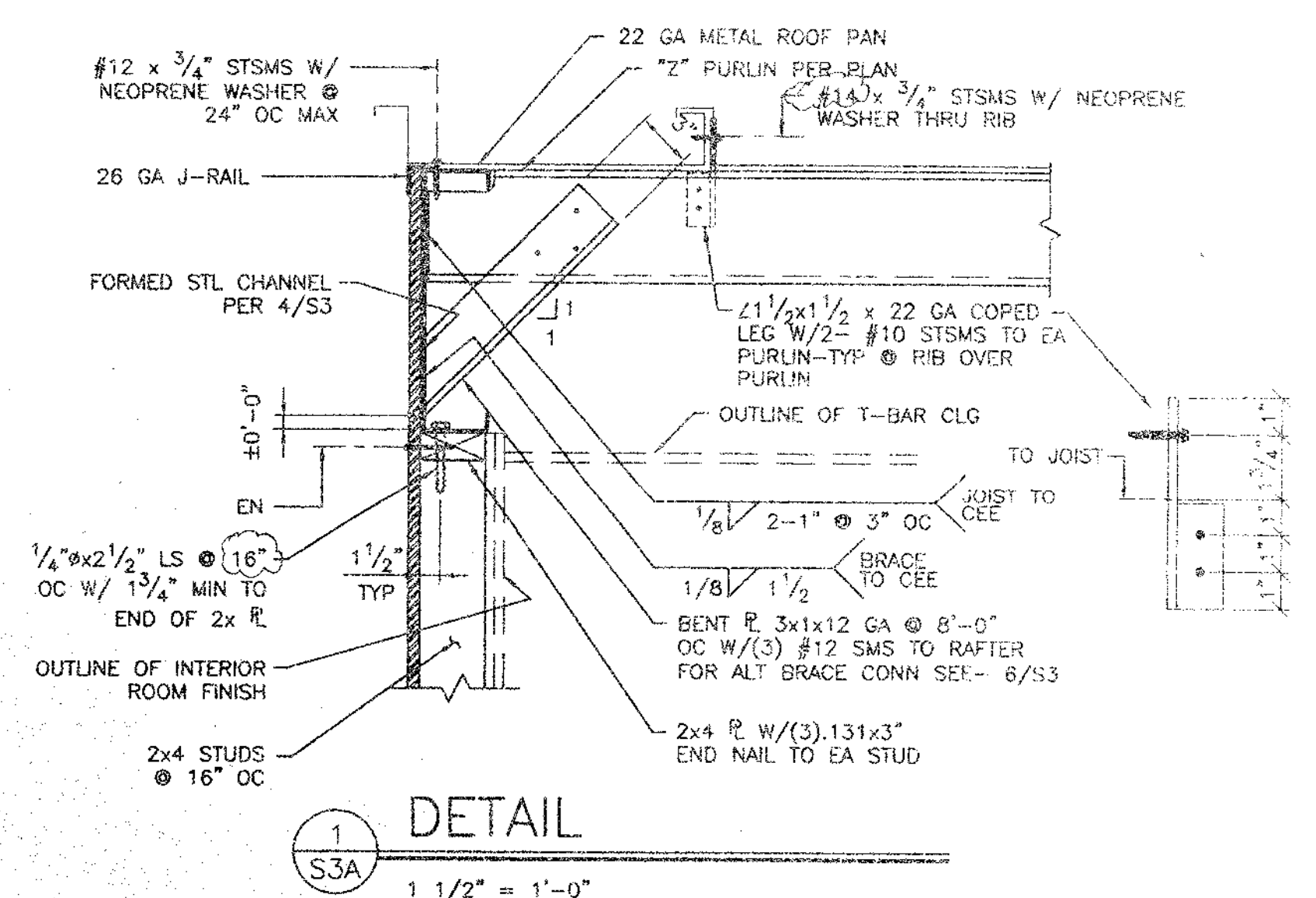
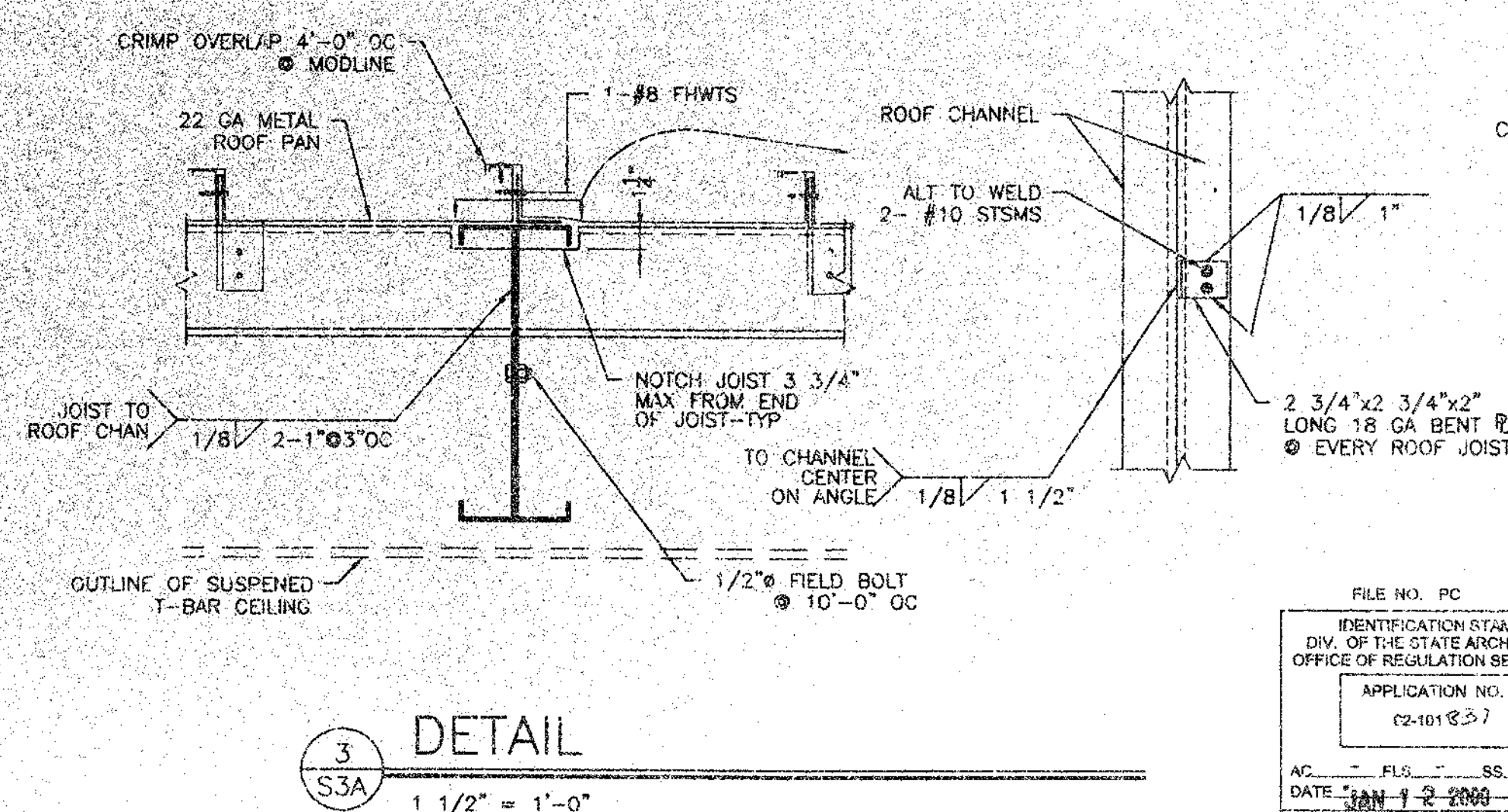
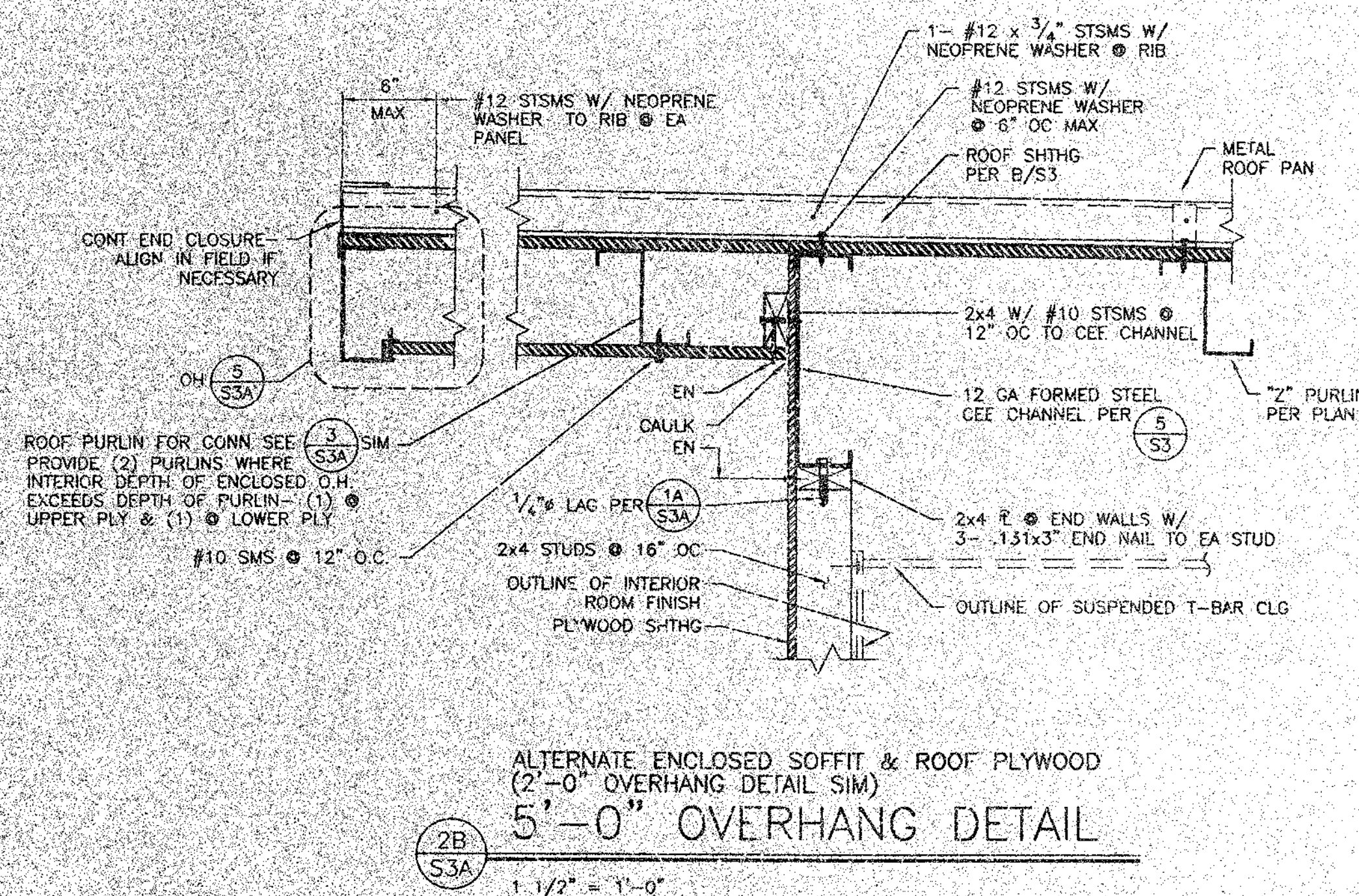
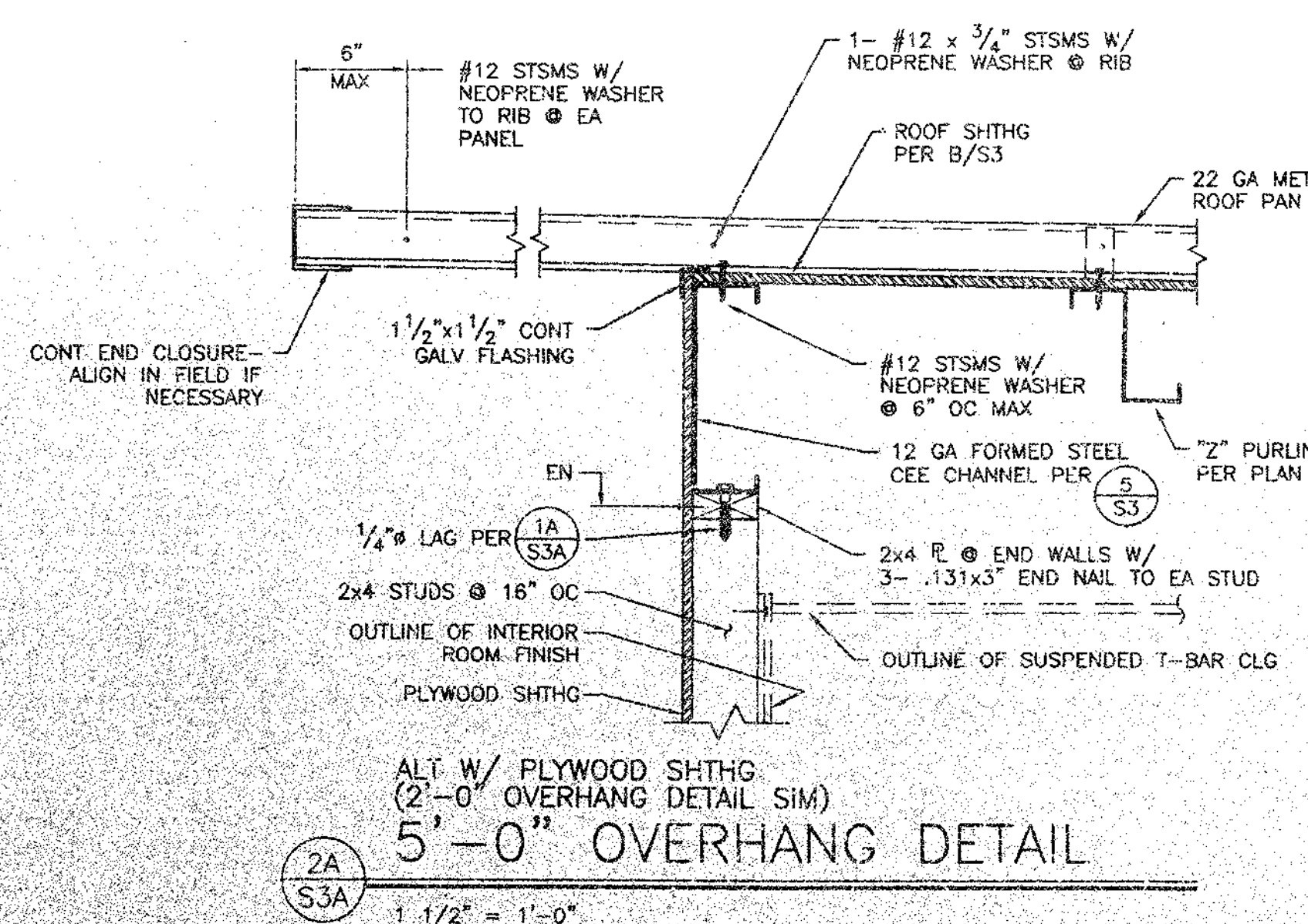
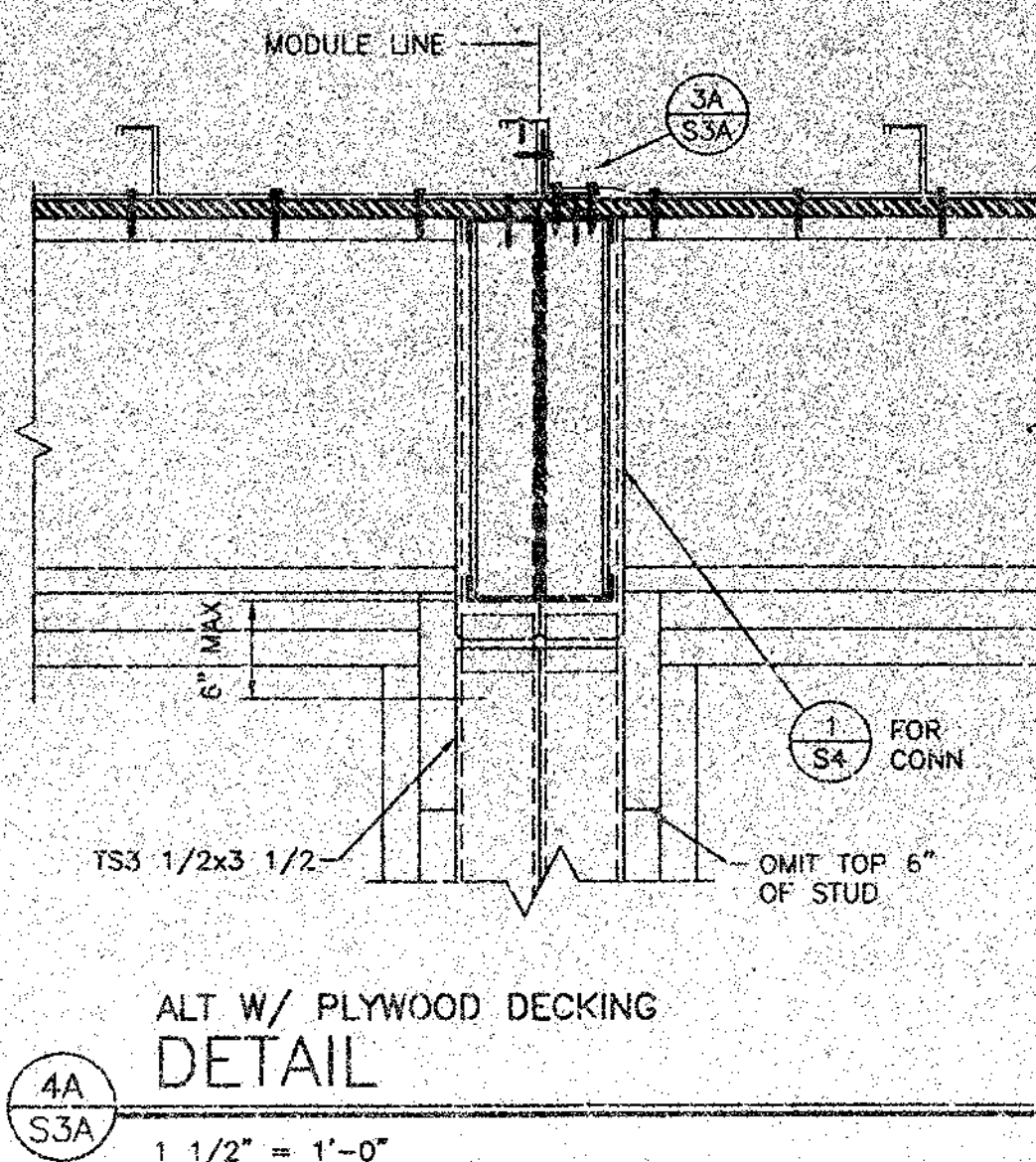
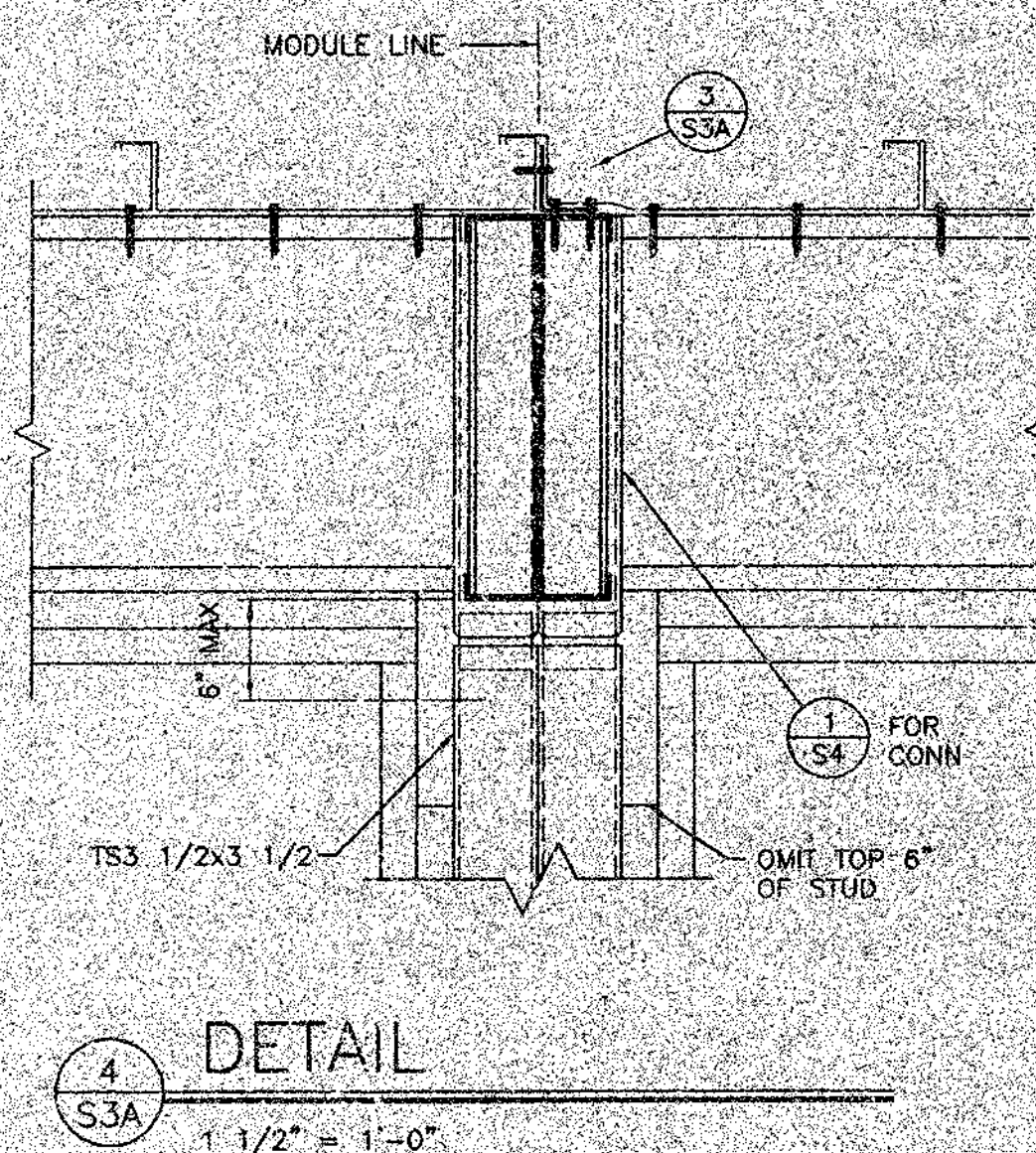
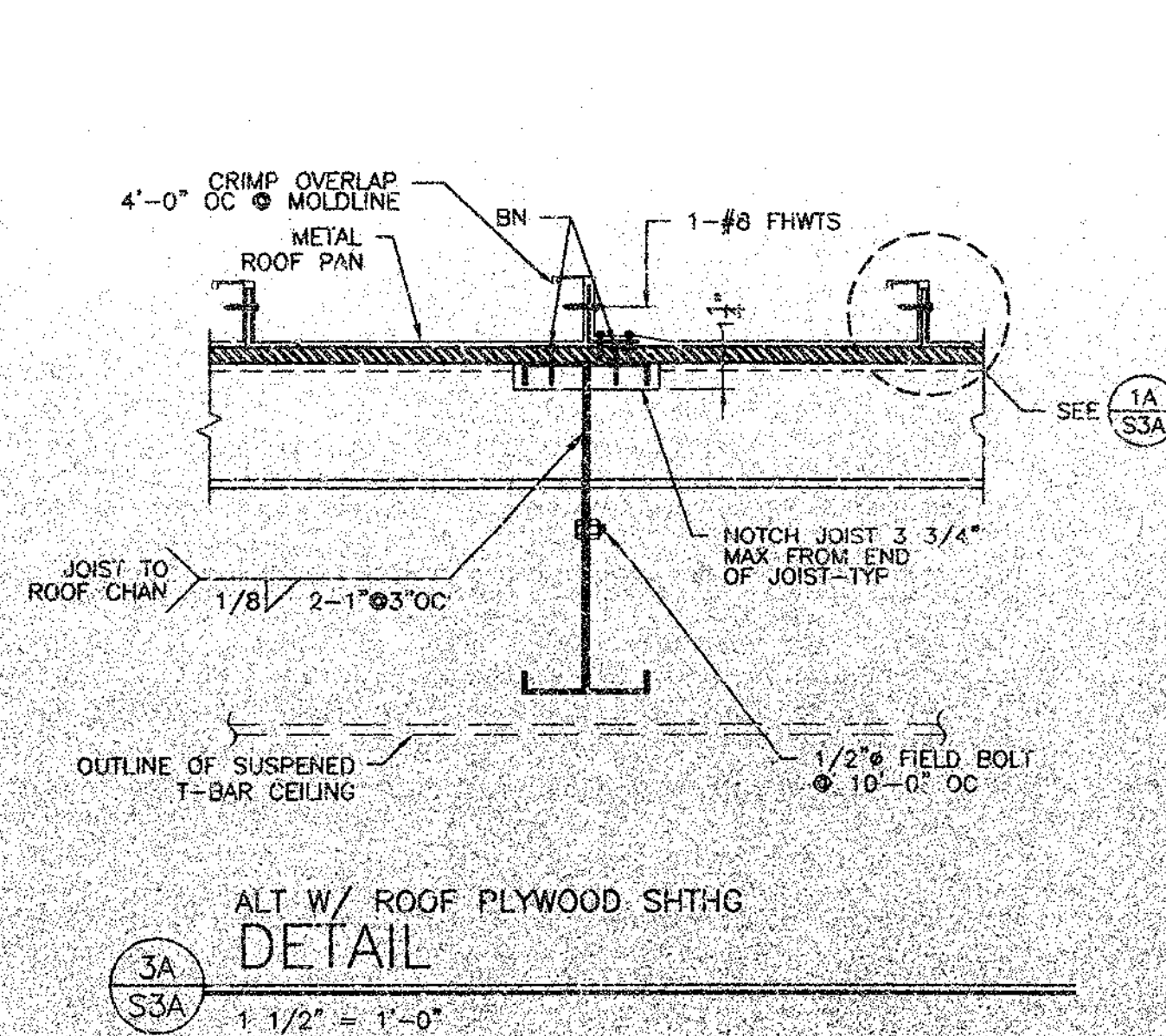
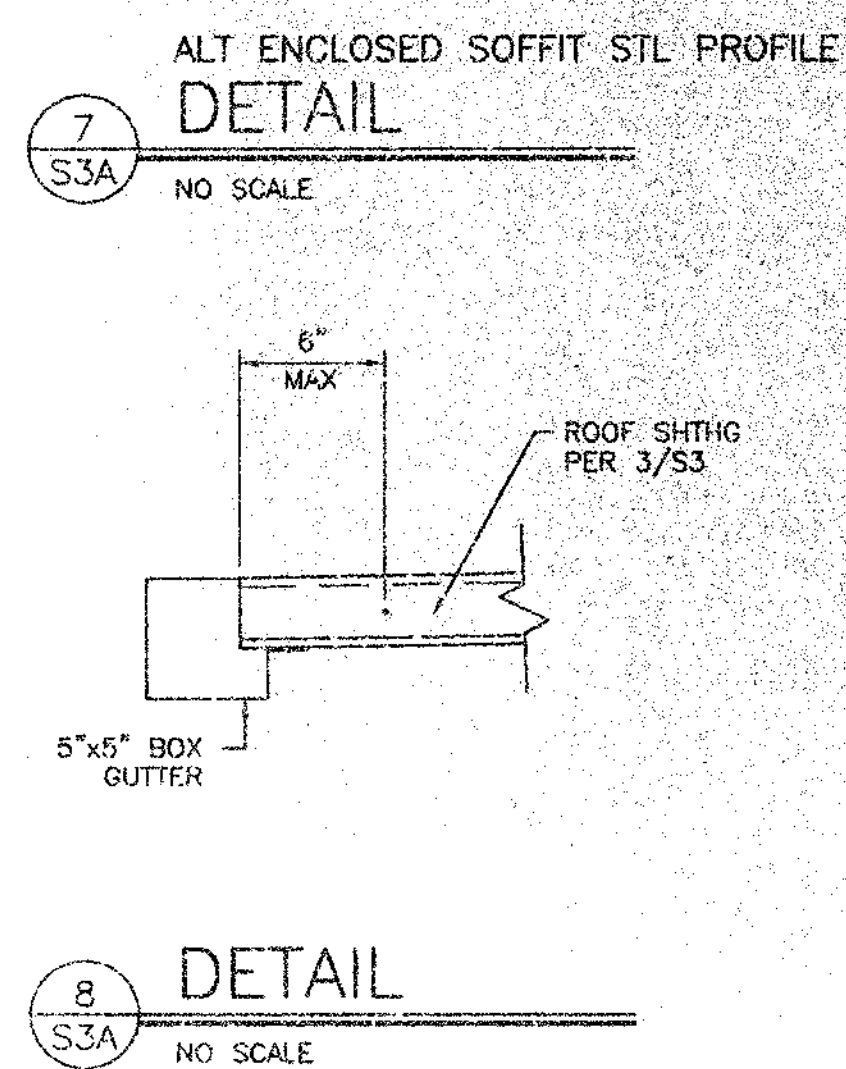
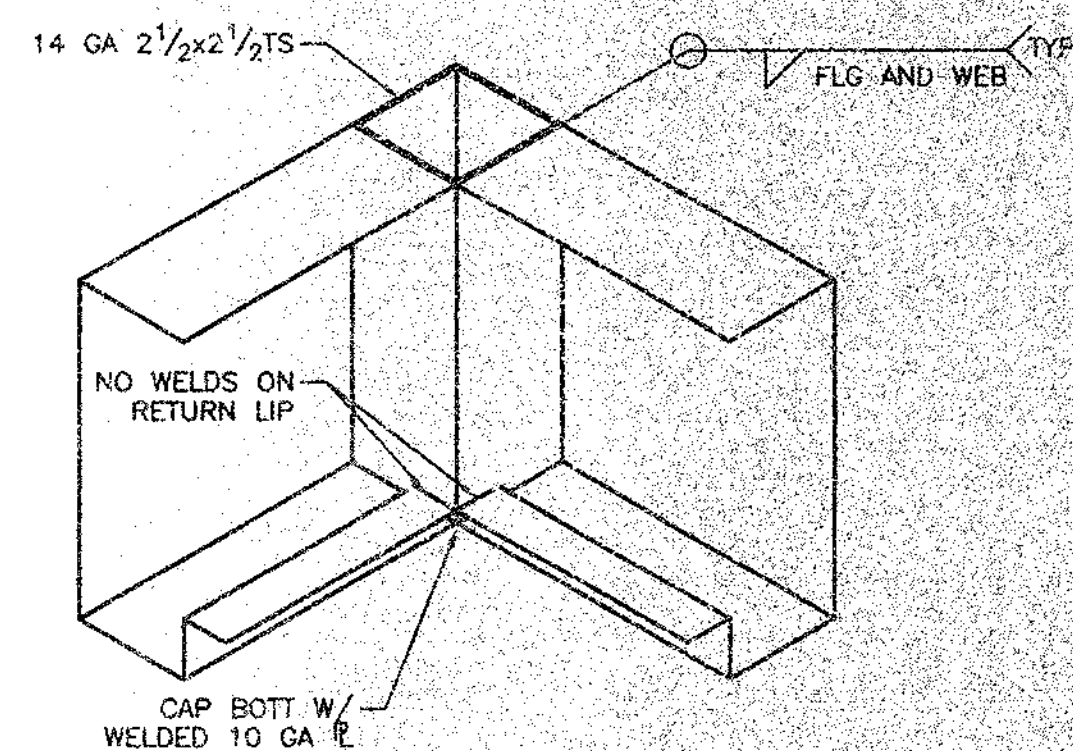
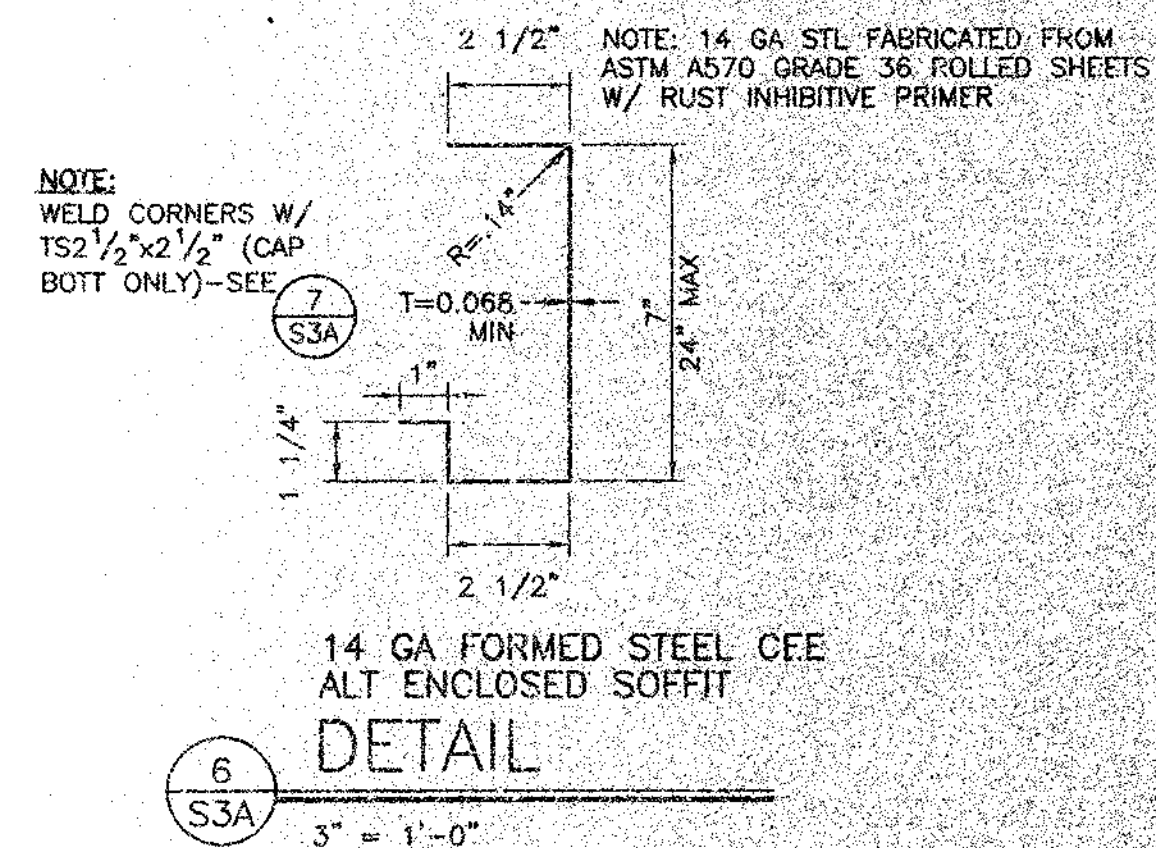
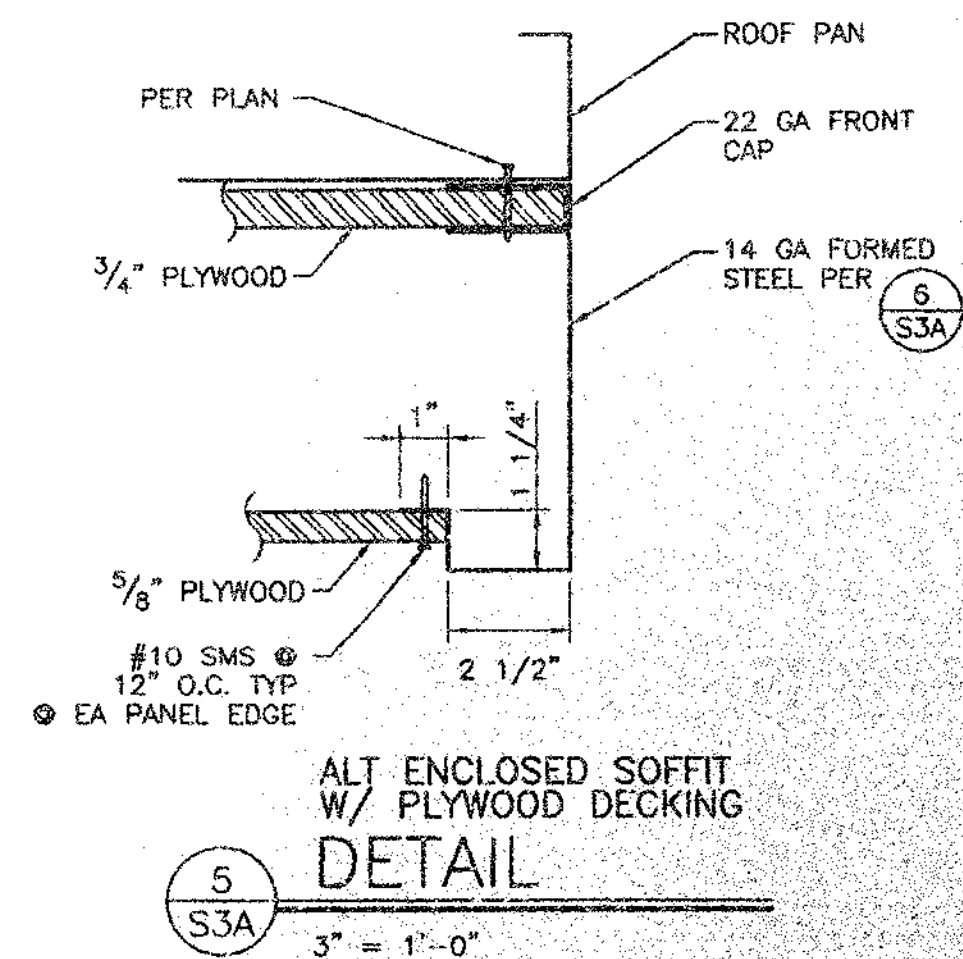
BUILDING SECTIONS
AND WALL DETAILS

DATE: 12/21/99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: NDB
CHECKED BY: KAL
SERIAL NO.

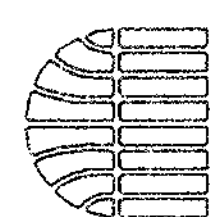
REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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2			2		
3			3		

PROJECT NO.
99100
SHEET NO.
S2A

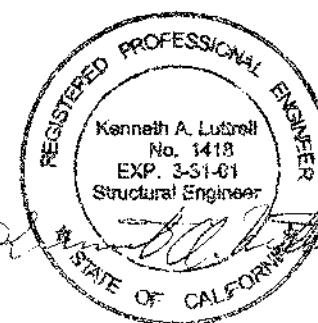




24 x 40
RELOCATABLE
CLASSROOM



American Modular Systems



CUSTOMER:

ROOF FRAMING DETAILS

FILE NO. PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICE
APPLICATION NO.
02-101837
- FLS - SS. *MA*
TE JAN 4 2 2000

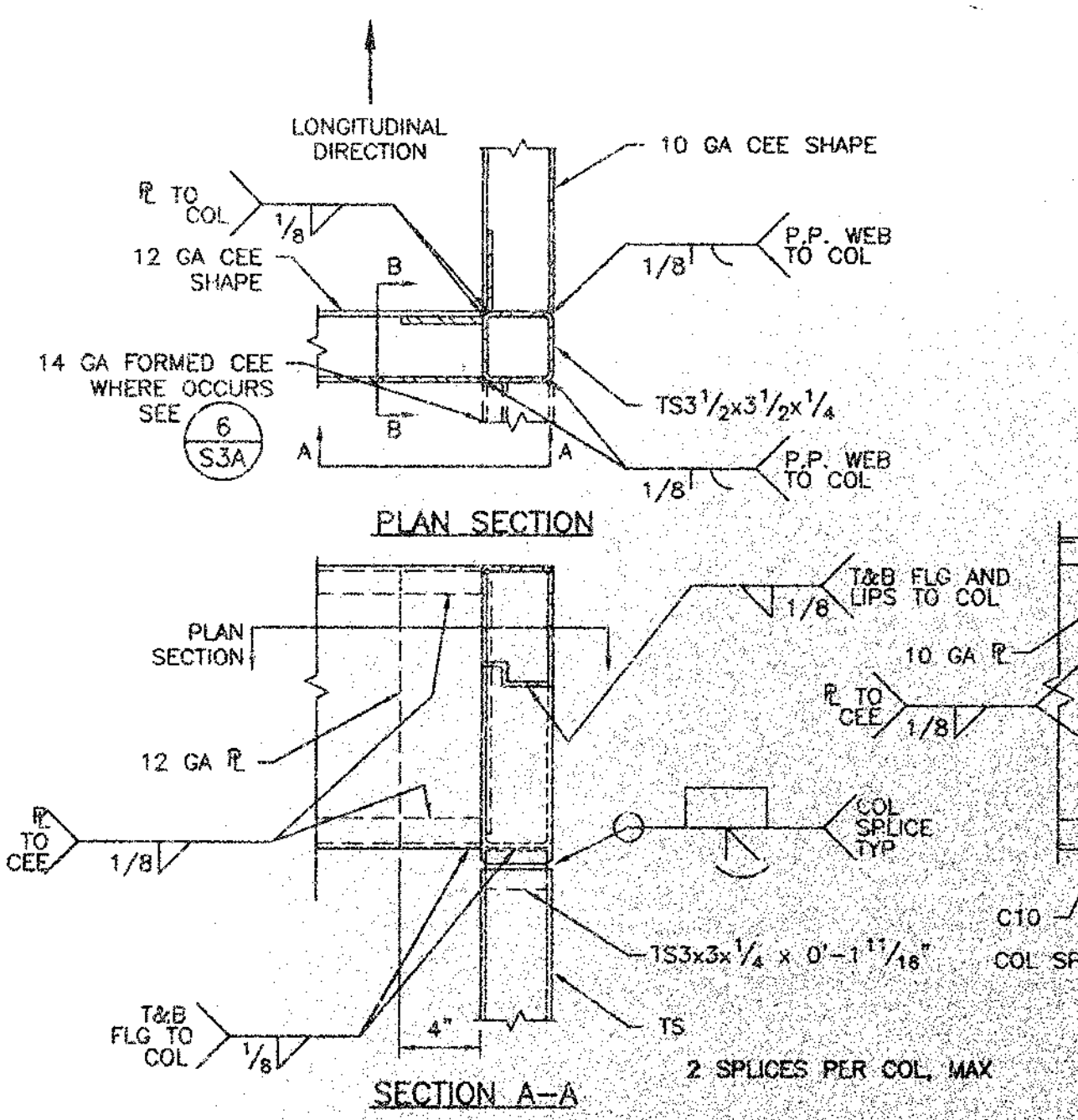
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SCALE: AS NOTED
DRAWN BY: PY
DESIGNED BY: M
CHECKED BY: K
SERIAL NO.

REVISIONS					
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△			△		
△			△		
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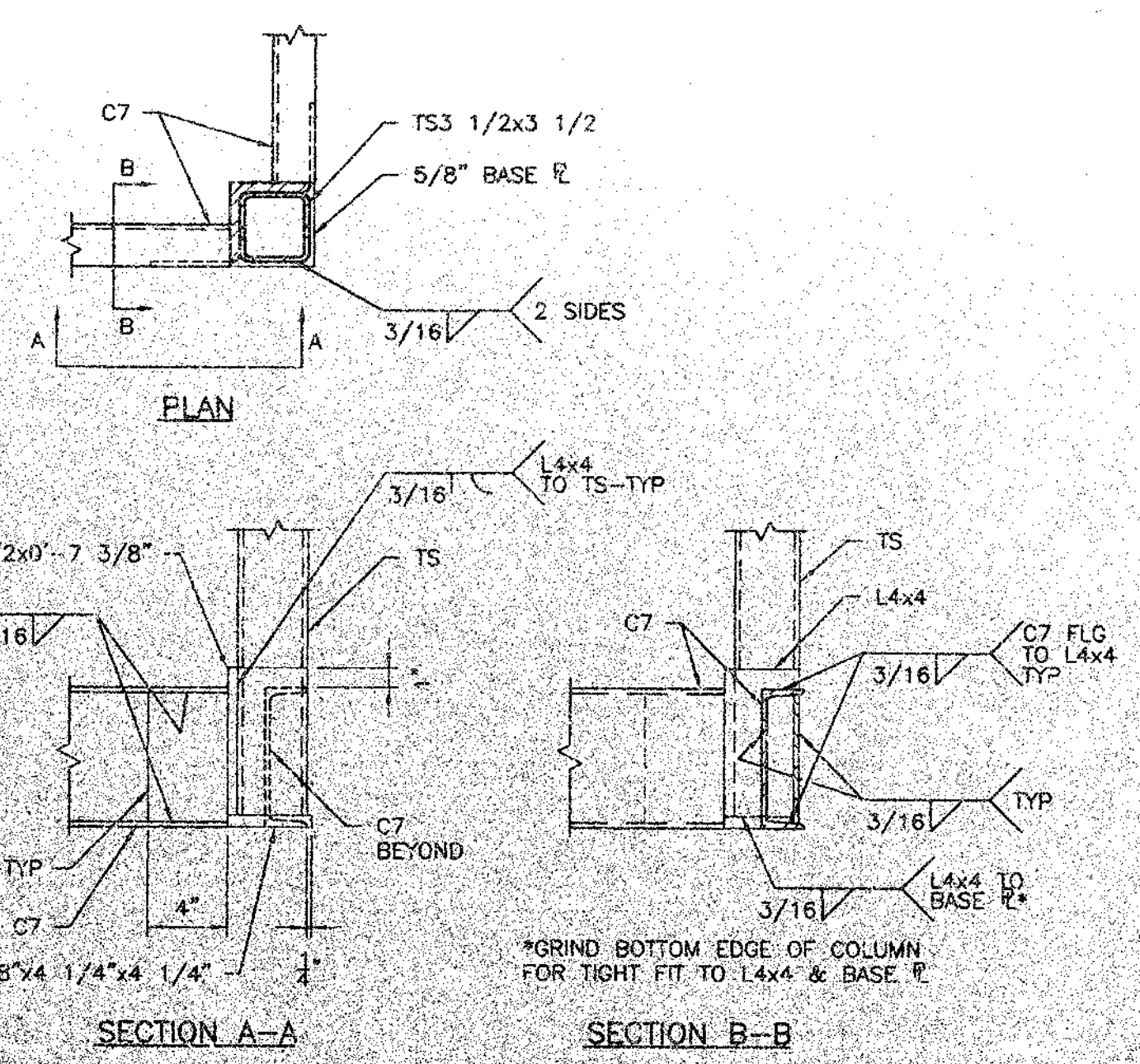
PROJECT No.
99100

SHEET No.
S3A

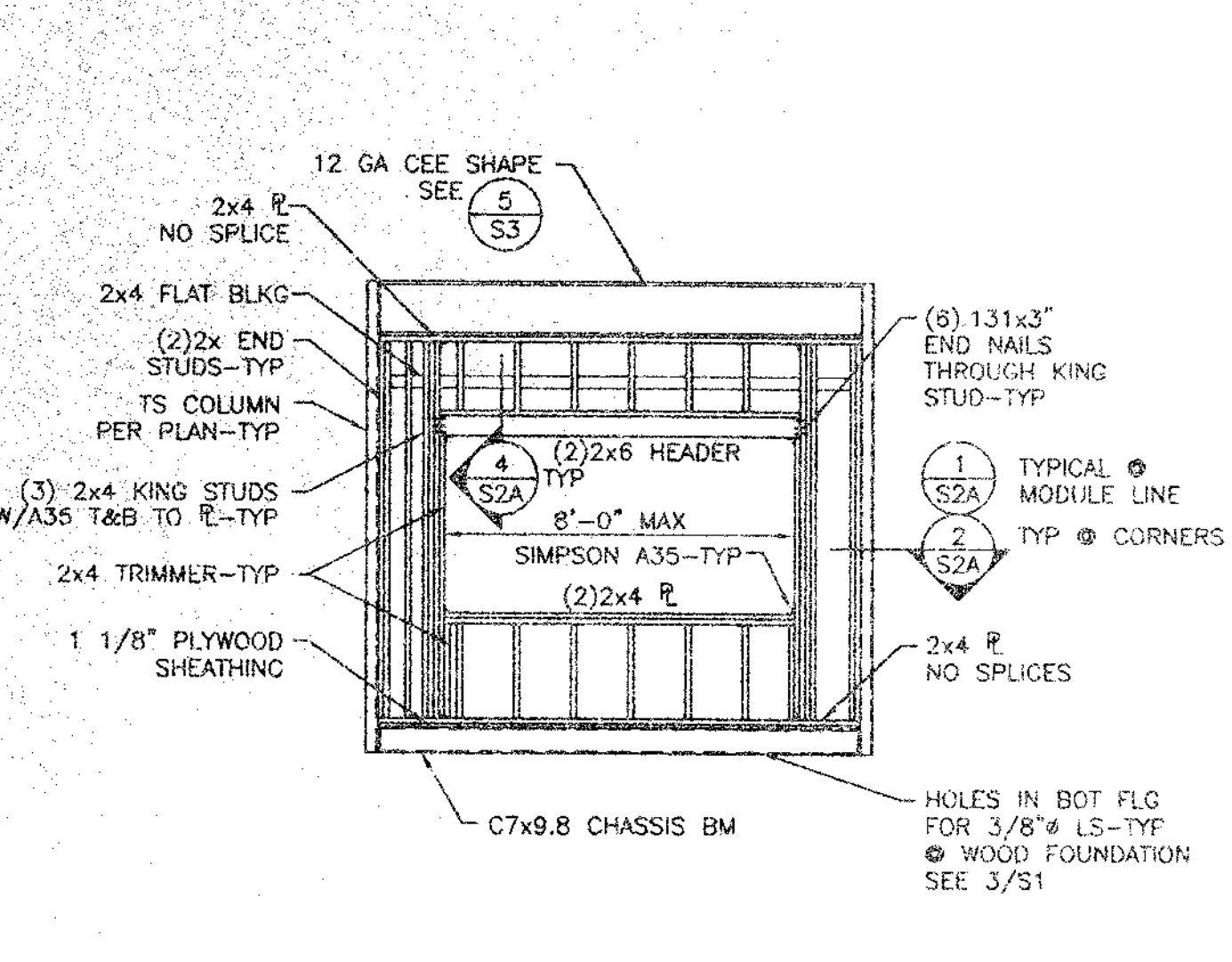
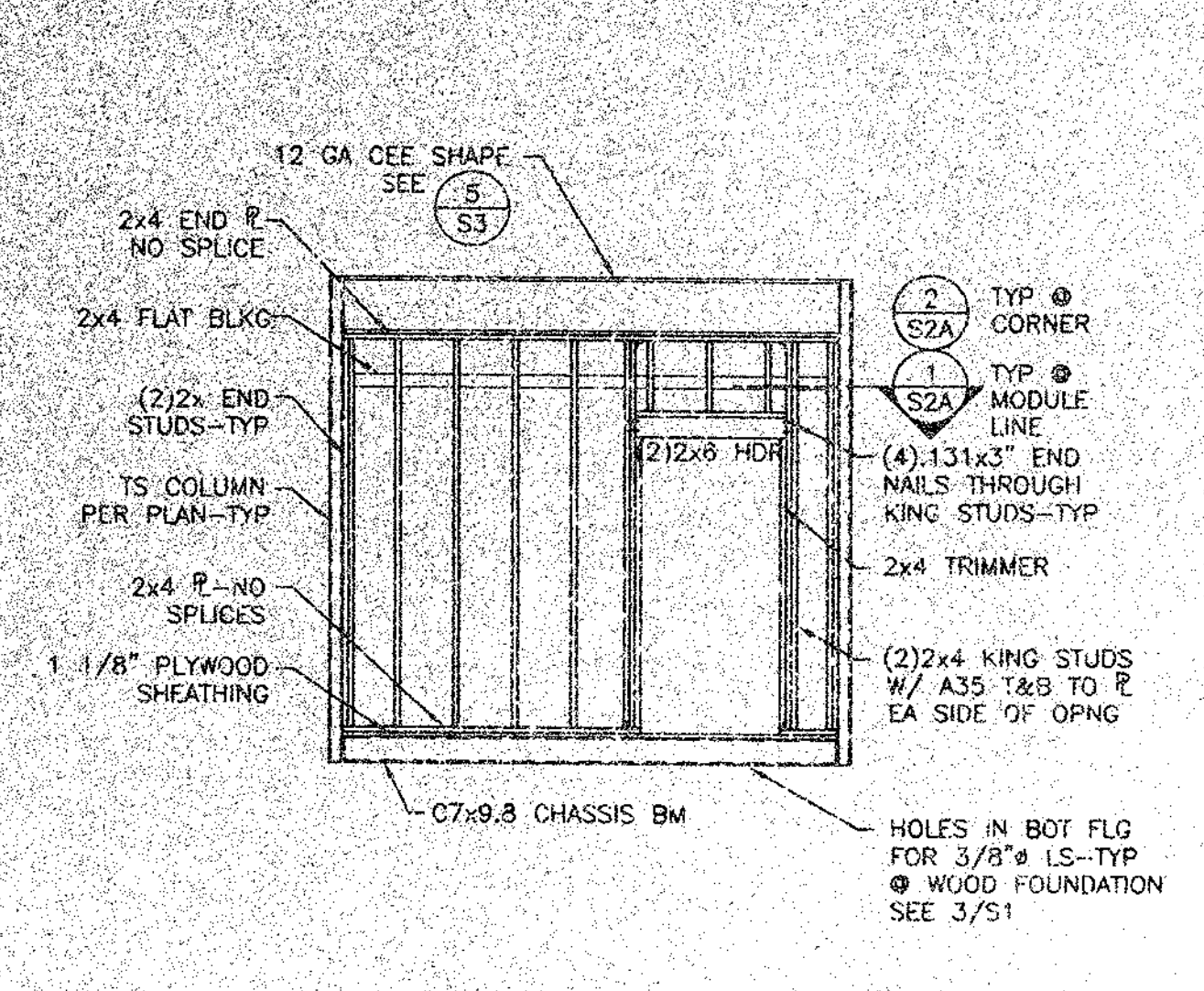
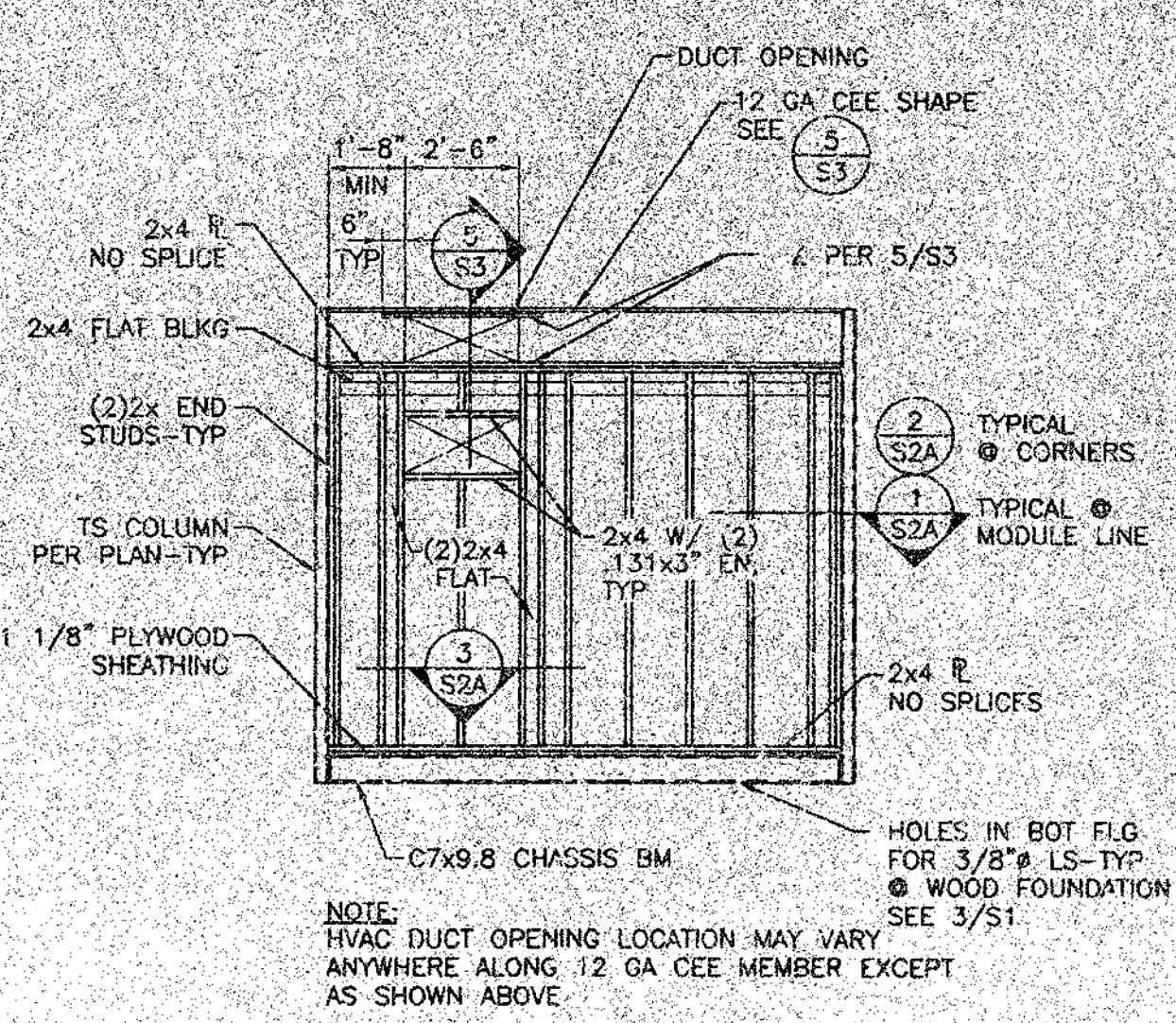
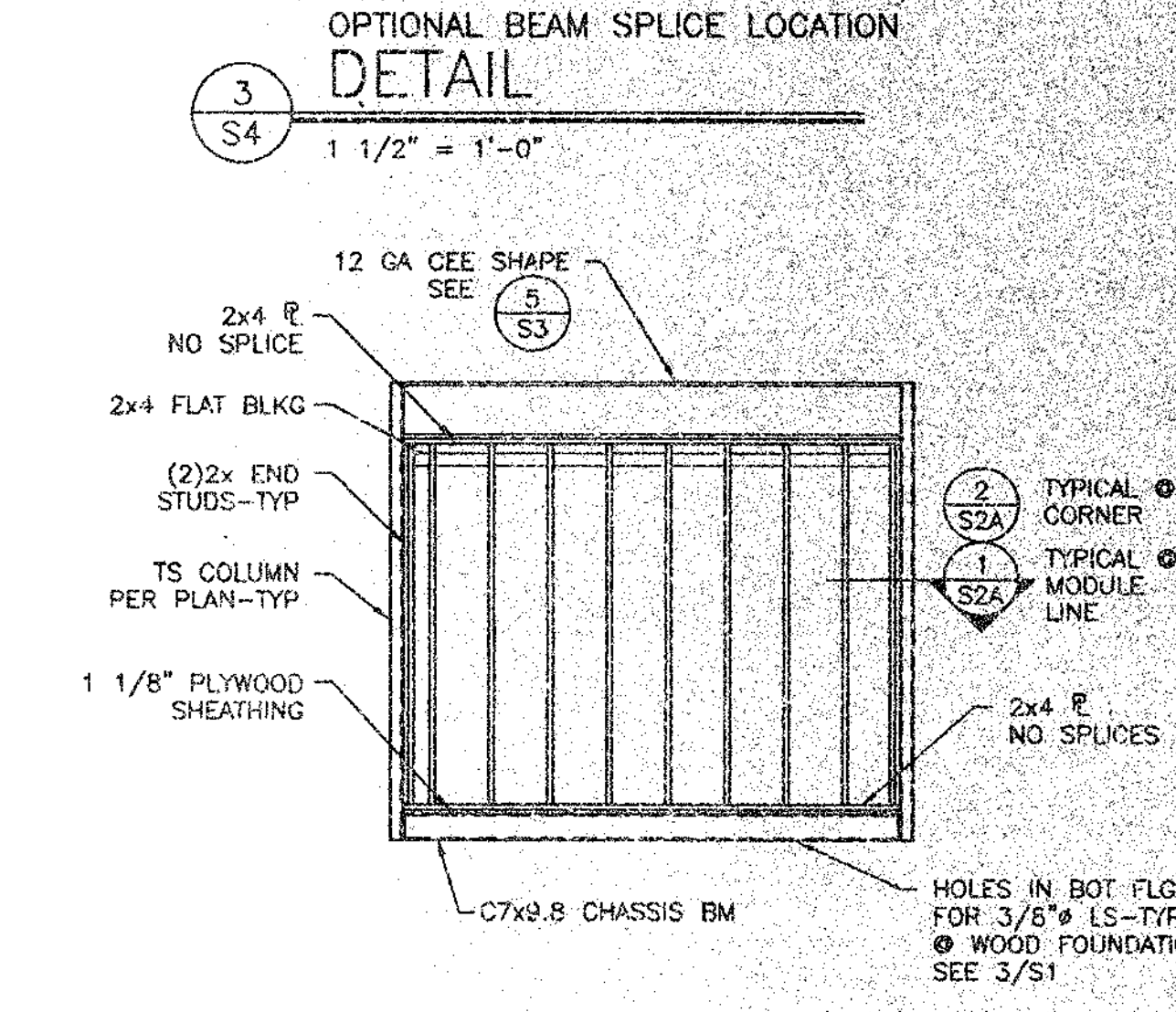
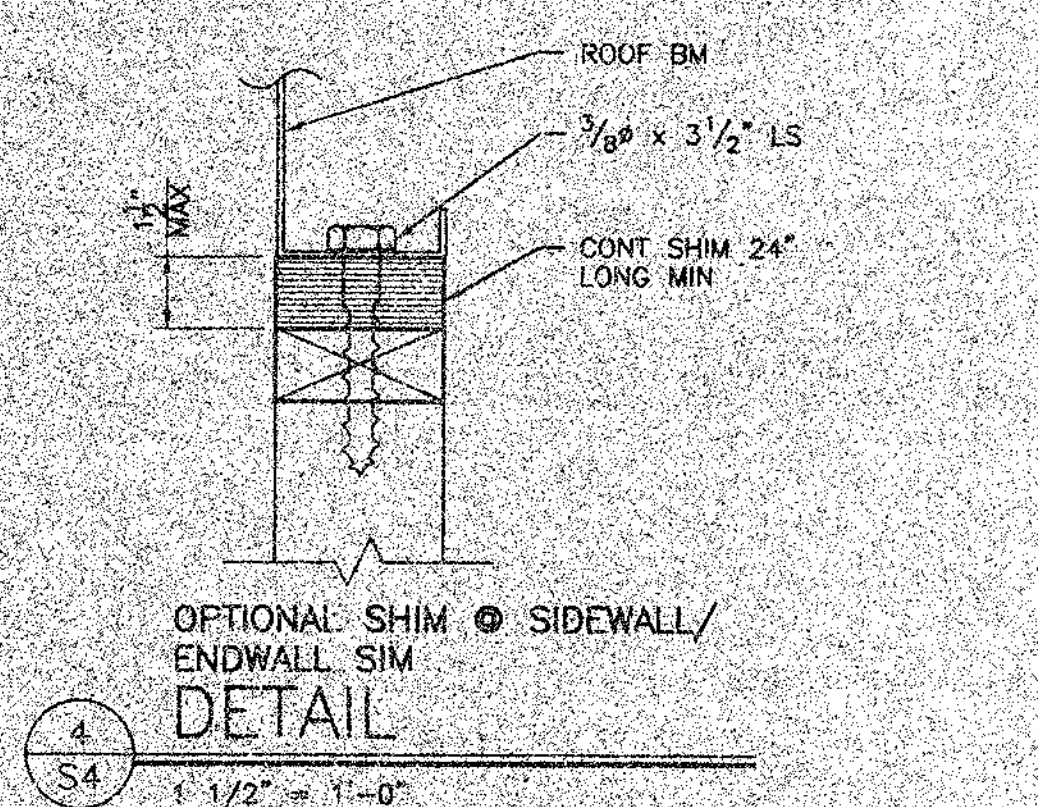
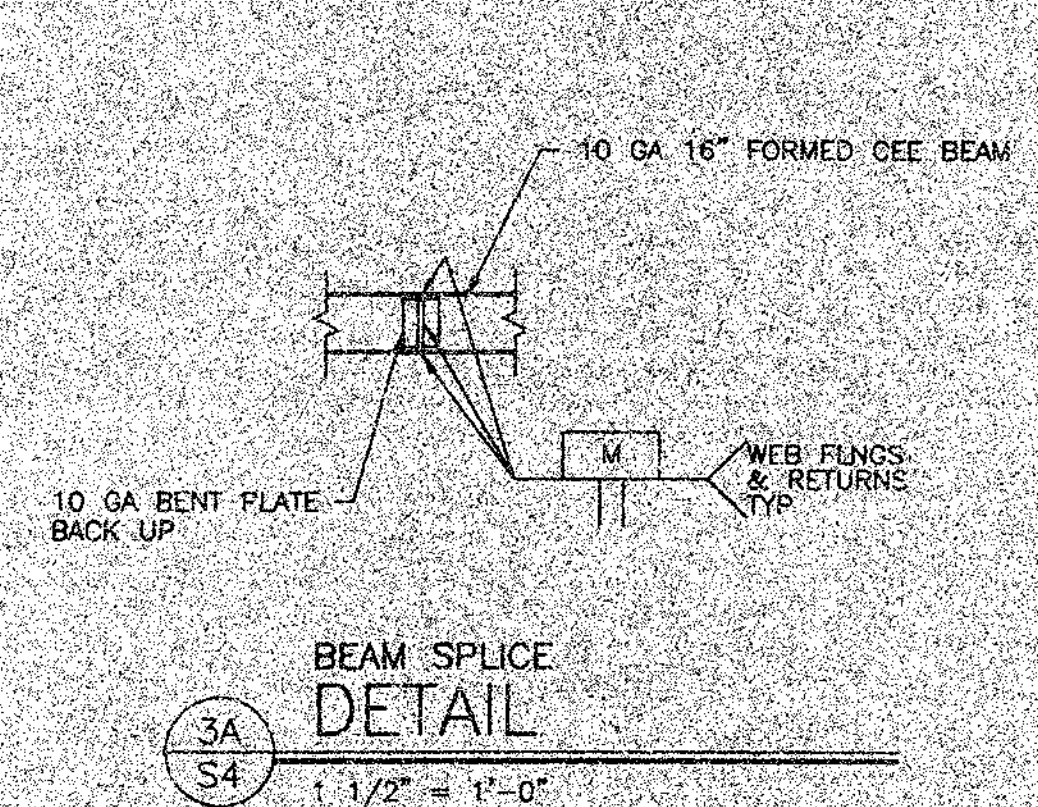
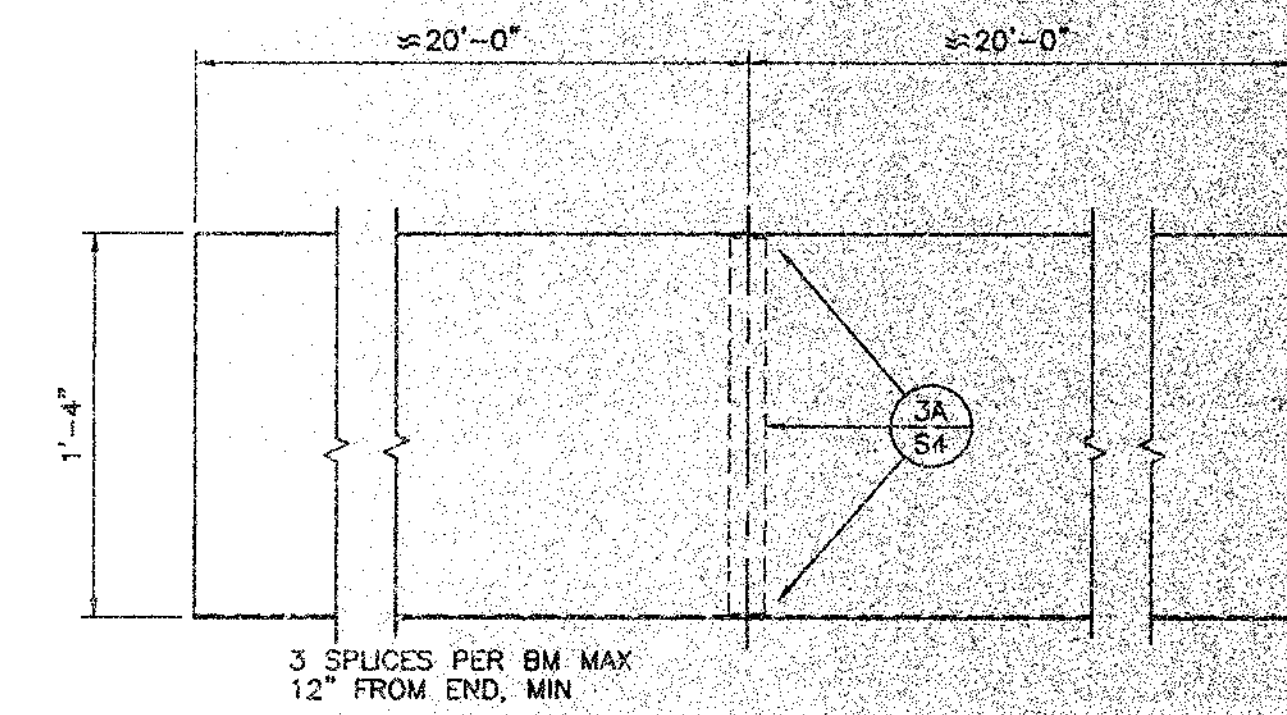
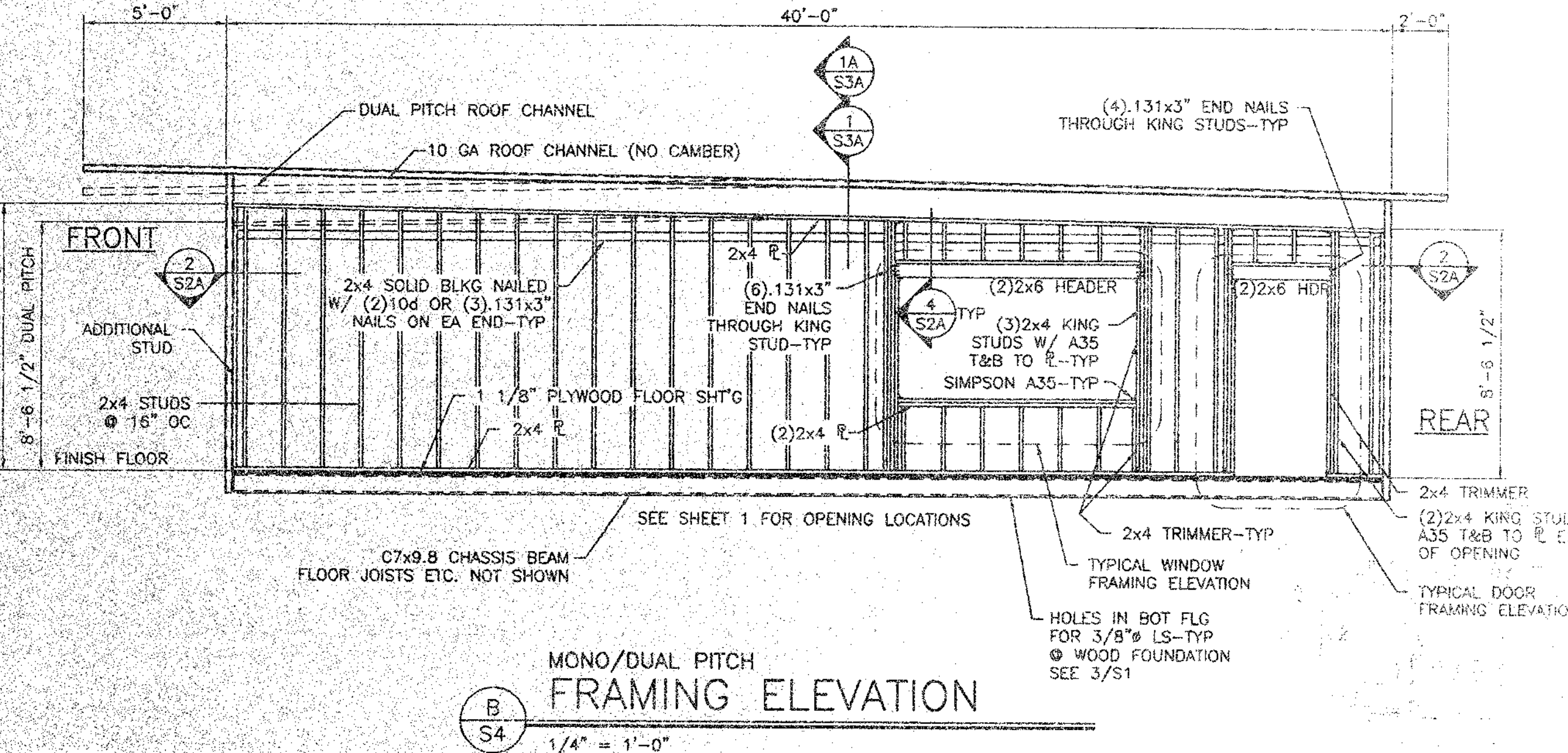
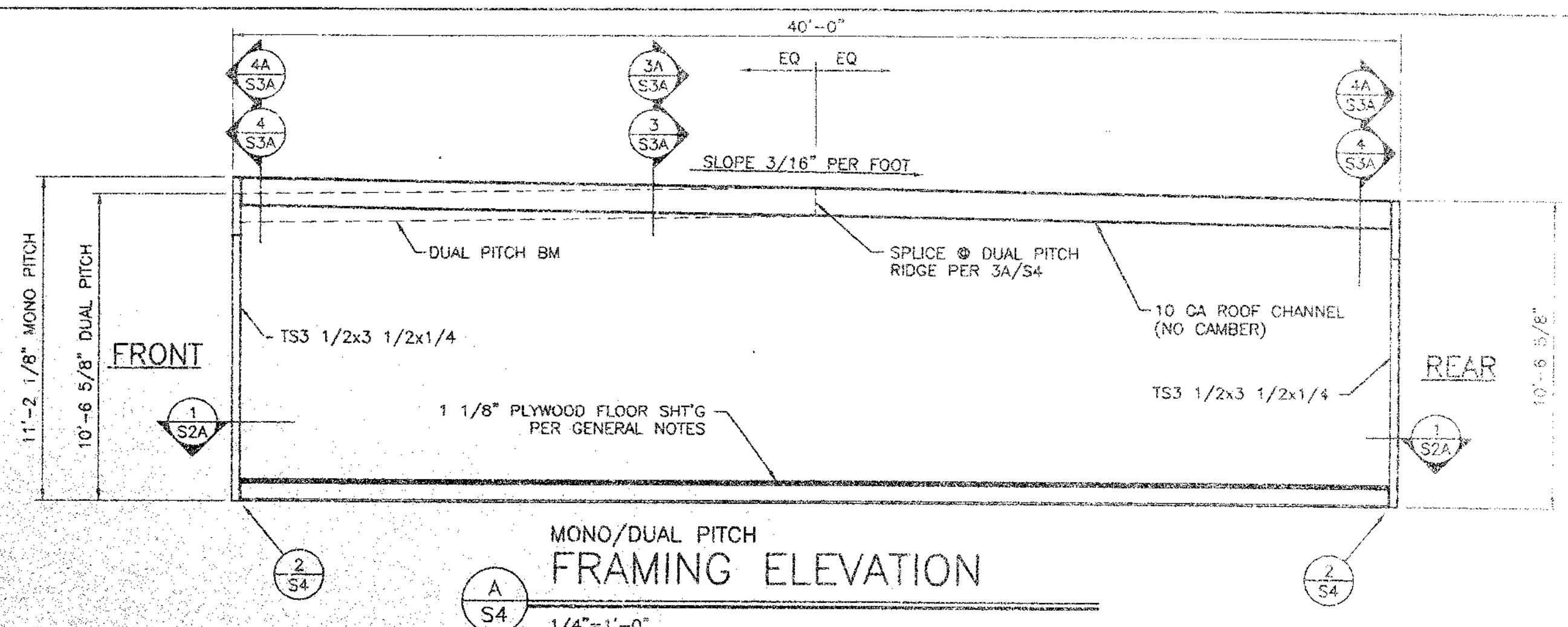




TOP CONNECTION
DETAIL
1 1/2" = 1'-0"



BOTTOM CONNECTION
DETAIL
1 1/2" = 1'-0"



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
DATE 7/5/2001



FILE NO. JC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
DATE JAN 1 2 2002

24 x 40
RELOCATABLE
CLASSROOM

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Modular Systems**

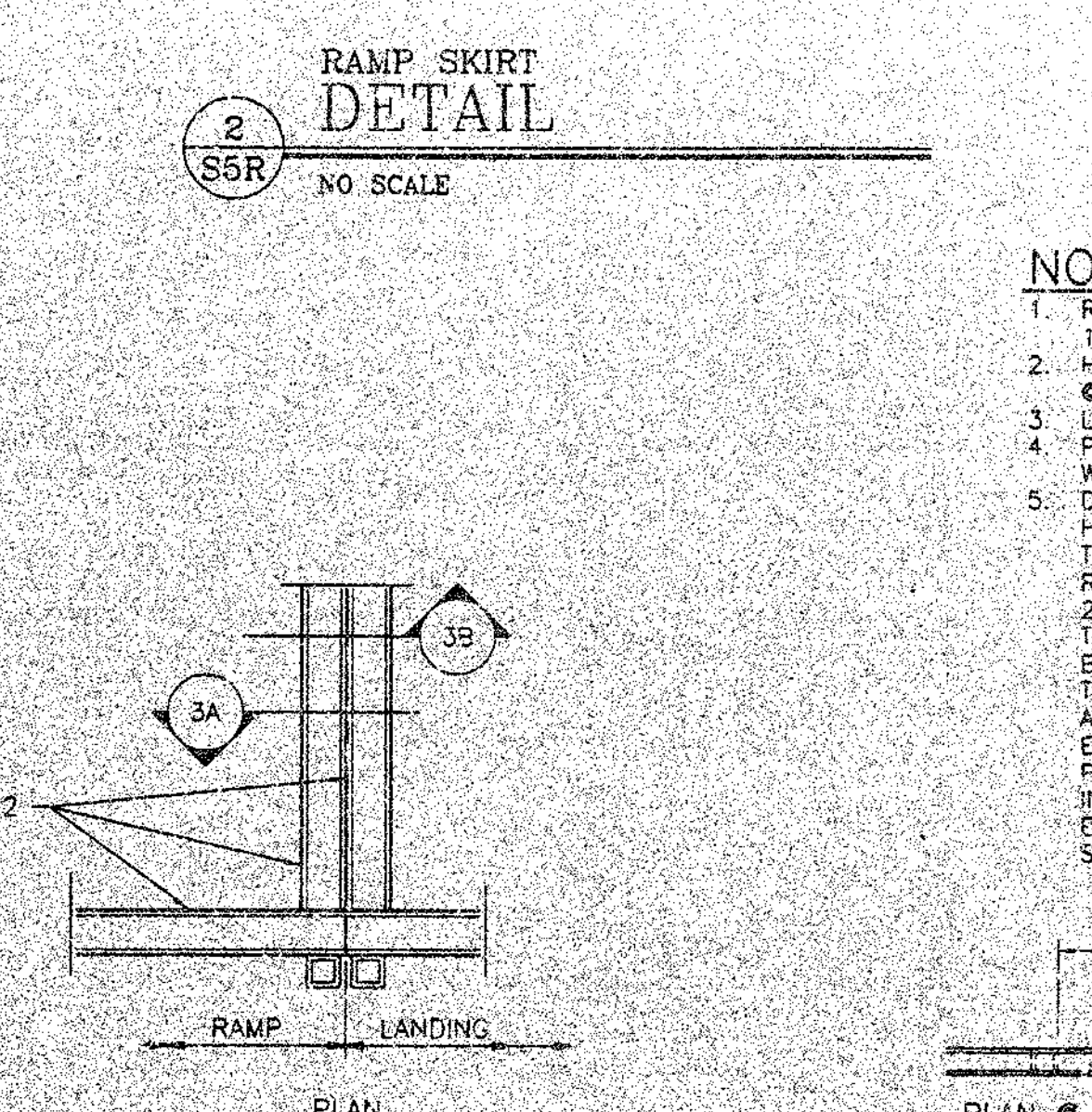
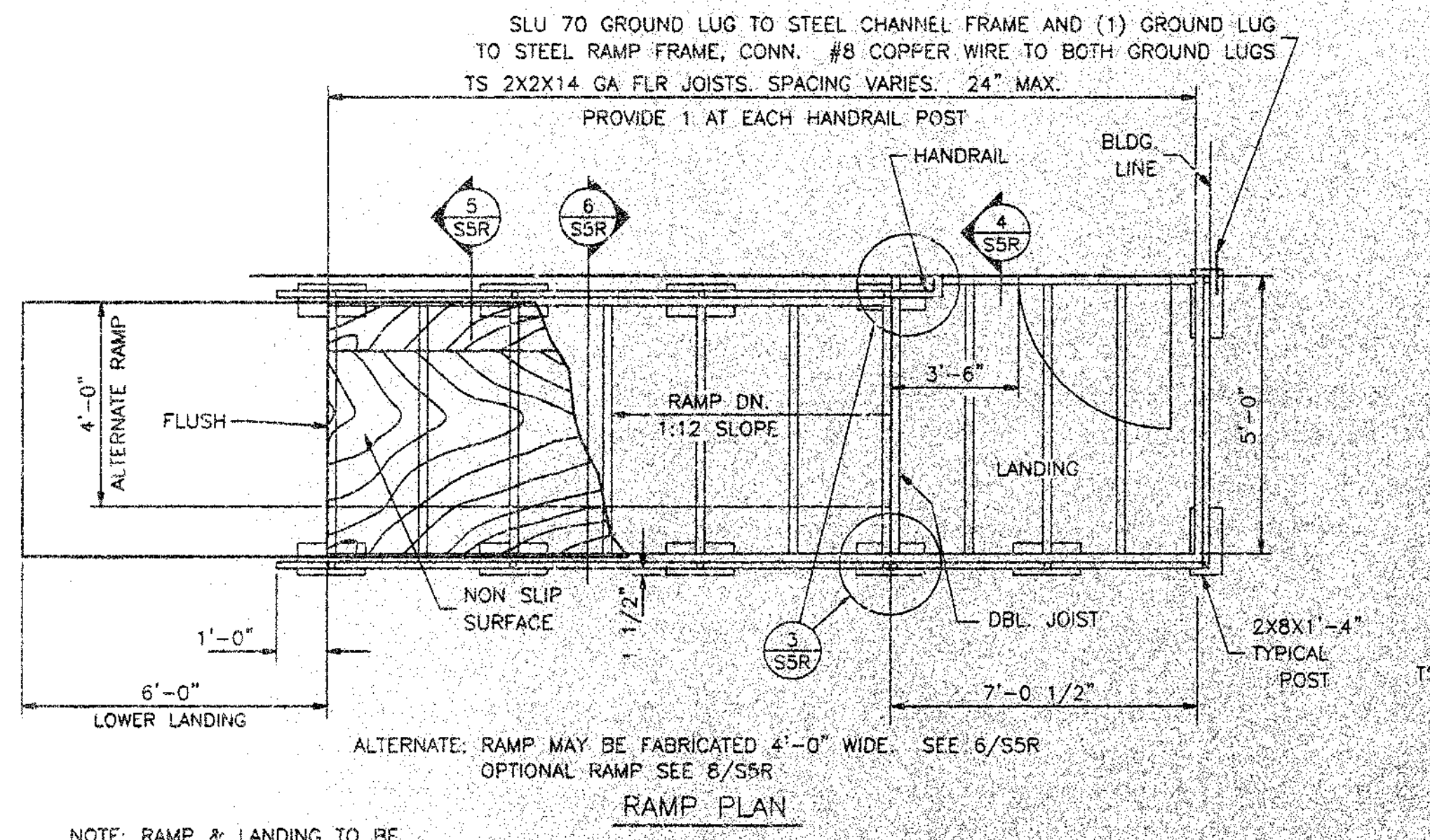
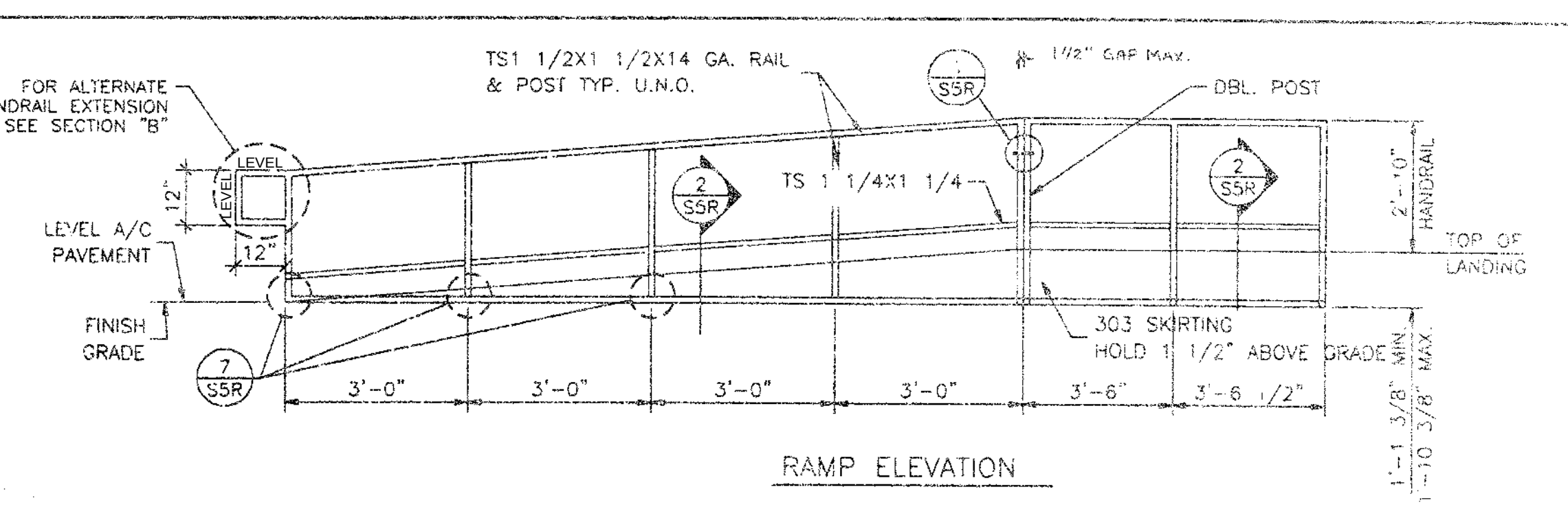
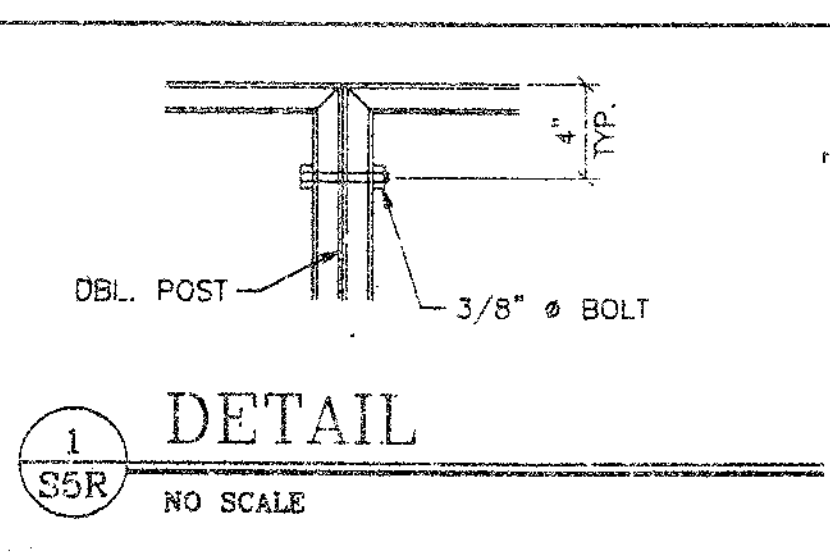
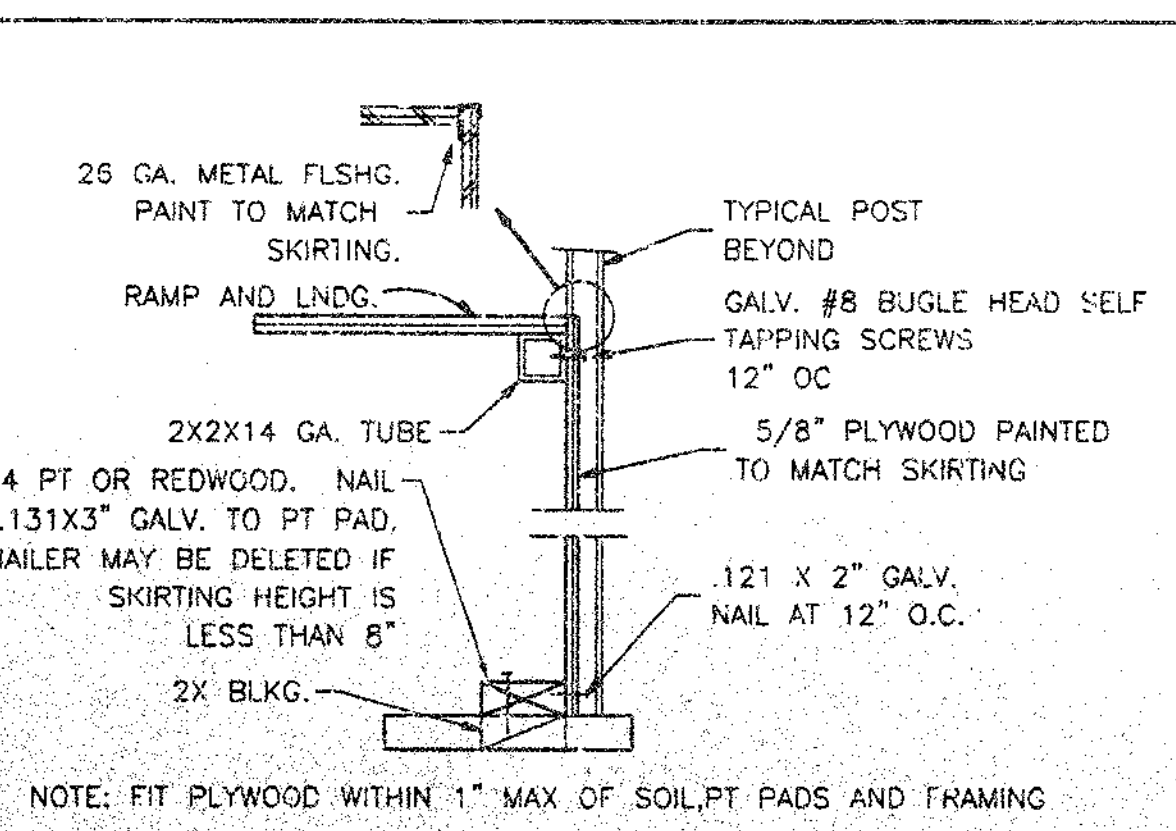
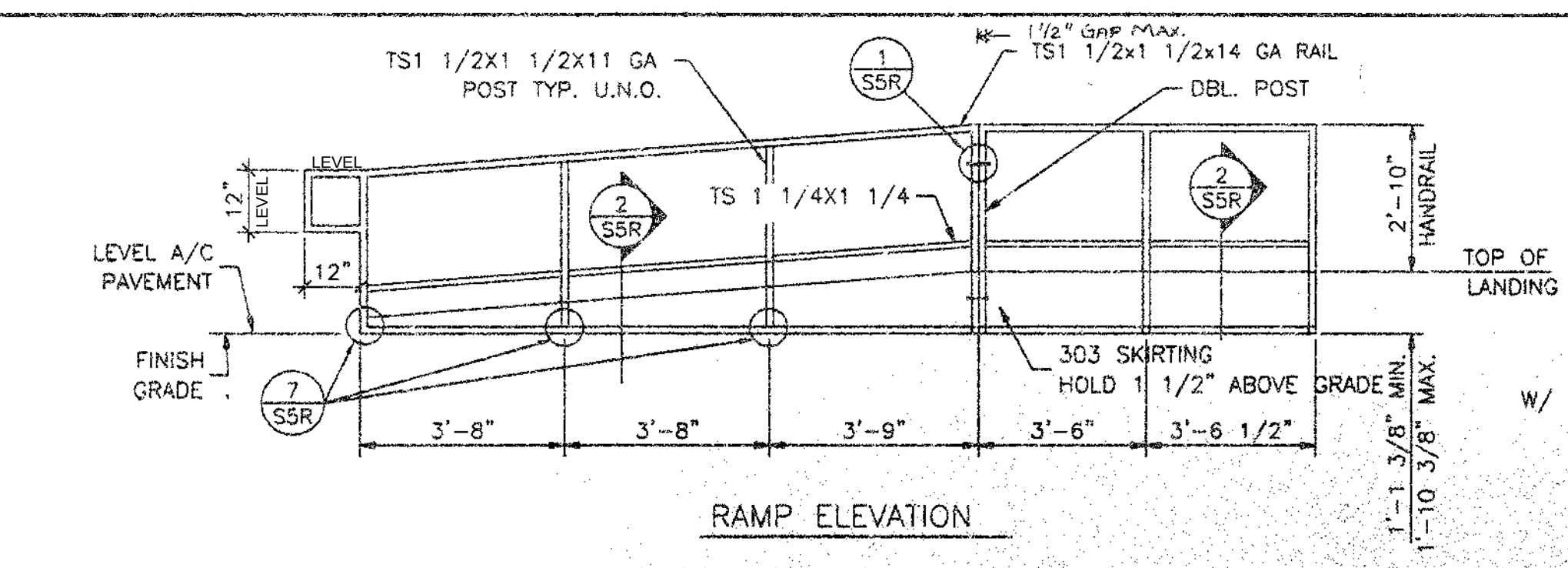


CUSTOMER:
FRAMING ELEVATIONS
AND DETAILS

DATE: 12/27/99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MOB
CHECKED BY: KAL
SERIAL NO.

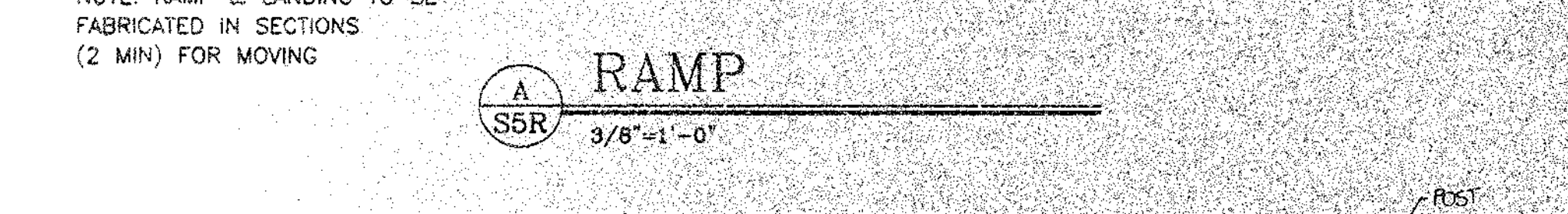
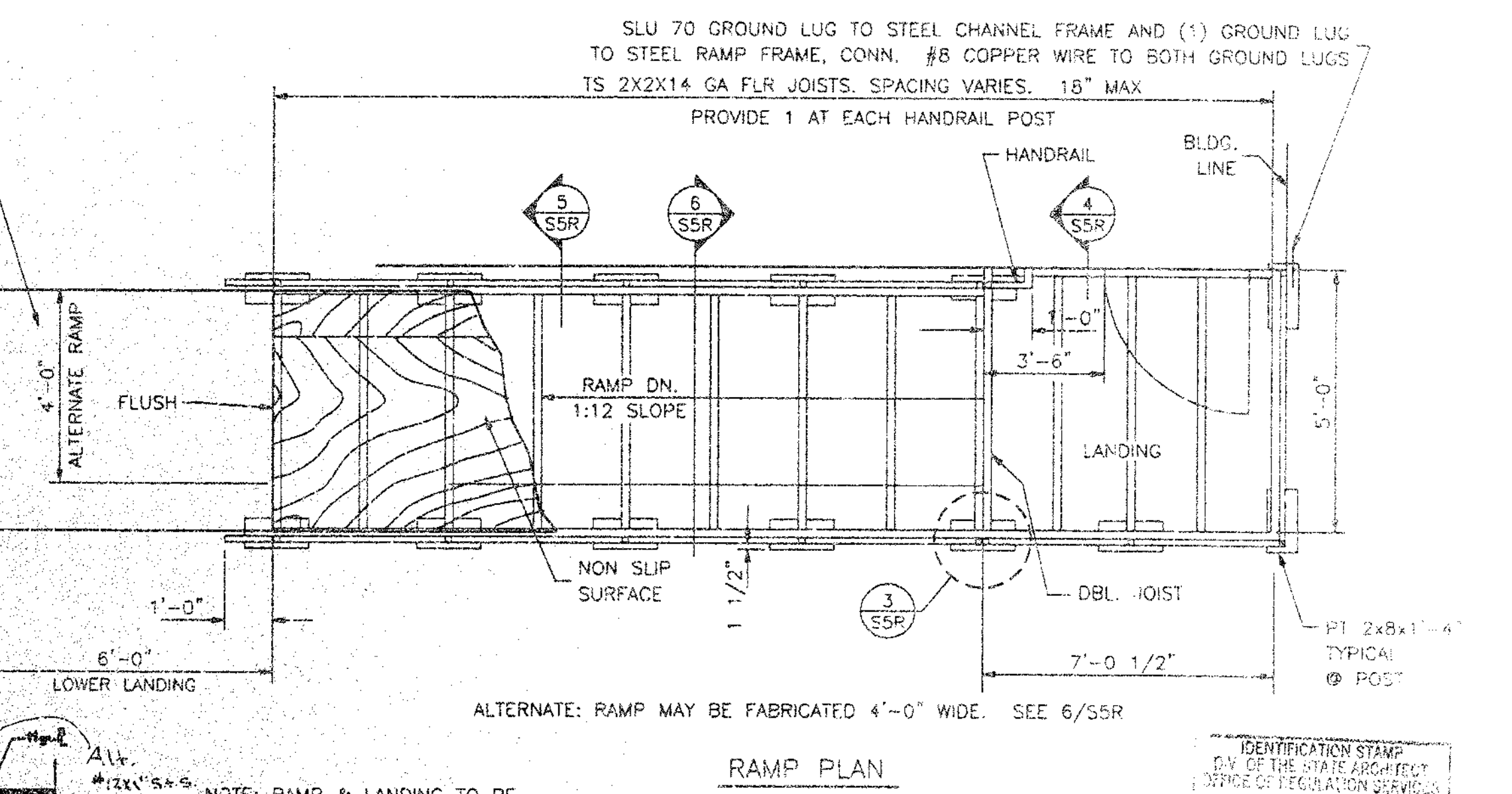
REVISIONS			
NO	DATE	DESCRIPTION	NO
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PROJECT NO.
90100
SHEET NO.
54



NOTES:

1. RAMP: RAMP SHALL NOT SLOPE MORE THAN 1" IN 12"
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP
3. LANDING AND RAMP TO HAVE NON SLIP SURFACE.
4. PROVIDE GROUNDING OF RAMP TO BLDG FRAME W/ #8 CU TO BOTH GROUND LUGS.
5. DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26". THEREFORE, IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 26'-0" AT A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY AMS INC. IS 12'-0" AT A SLOPE OF 1:12. THEREFORE, THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS AMS INC. RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON SHEET SSR.



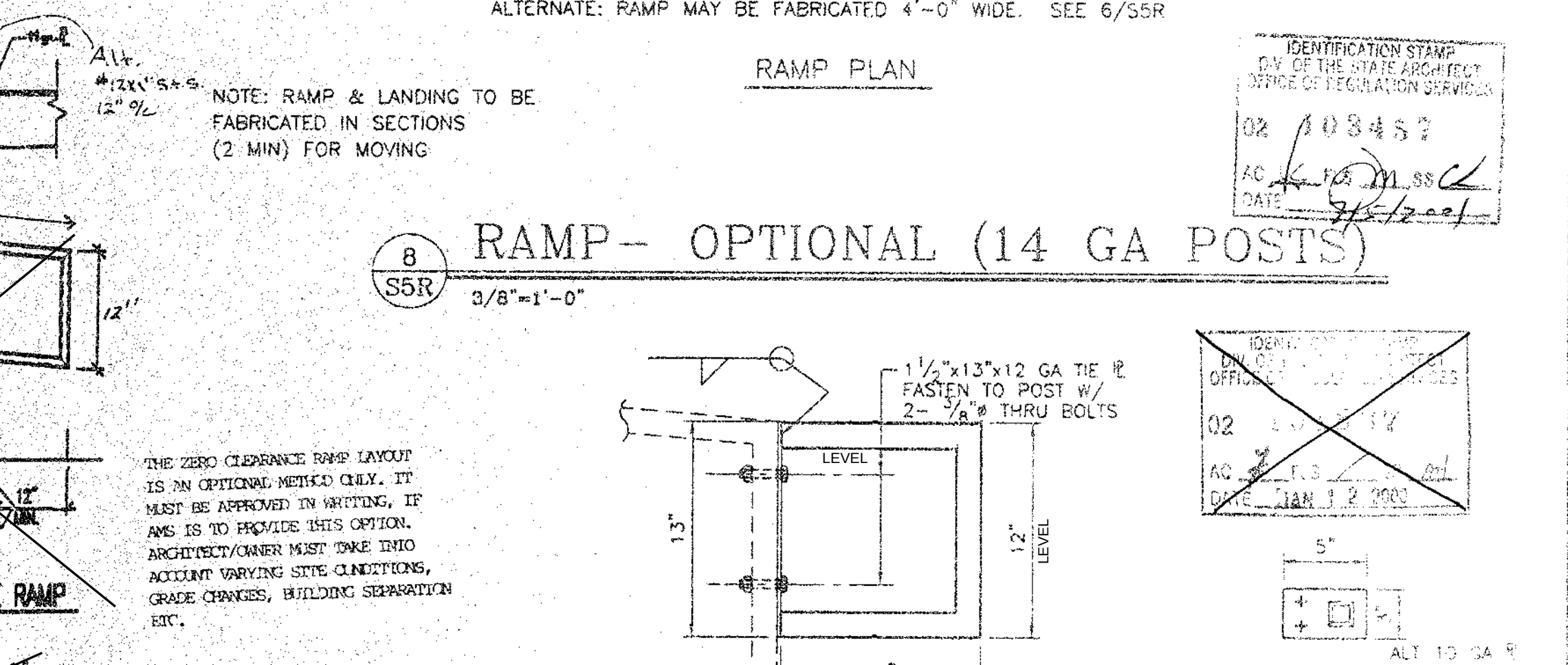
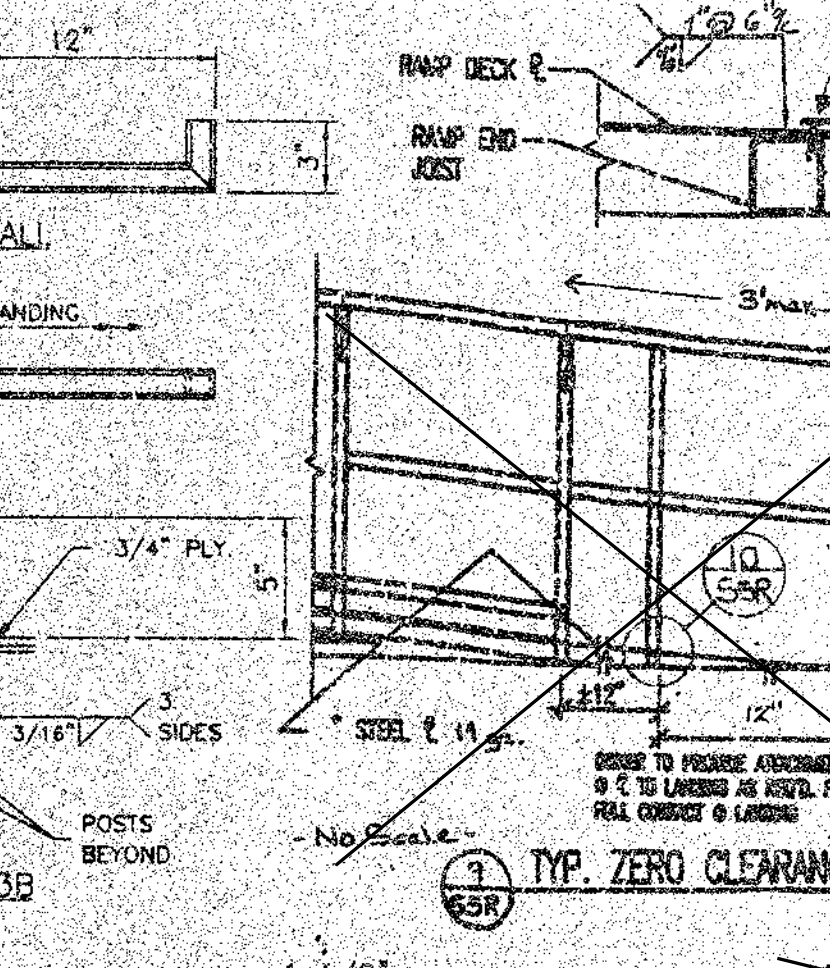
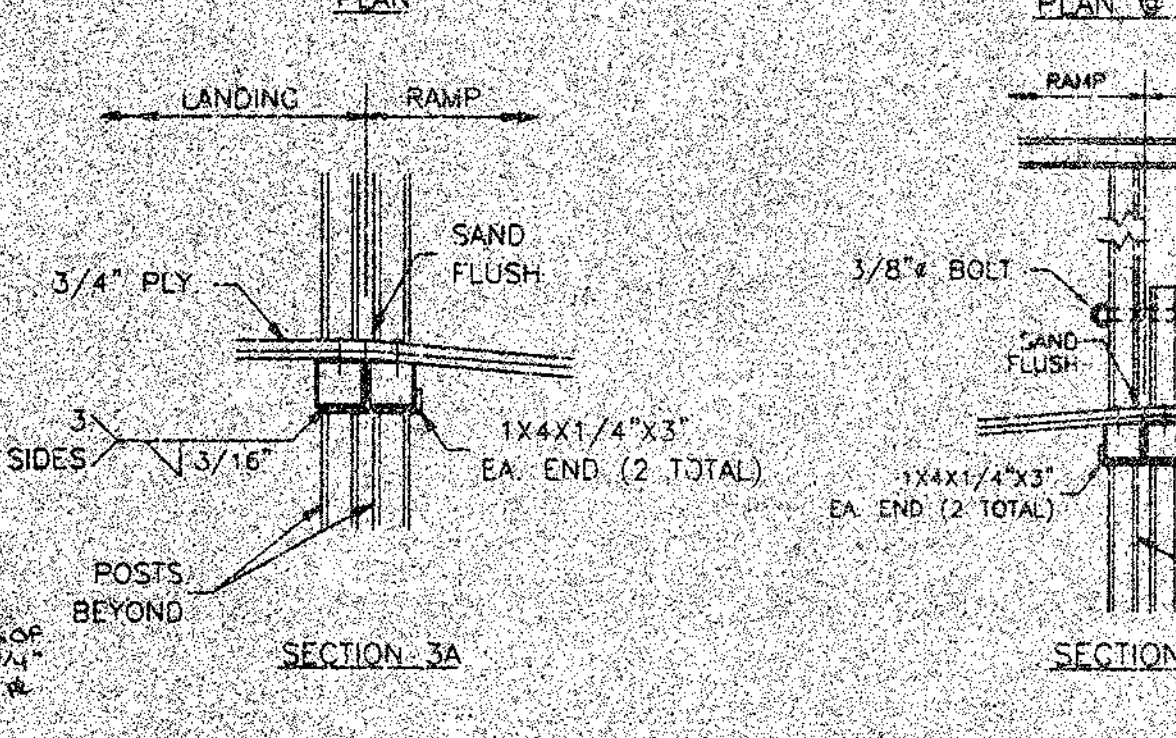
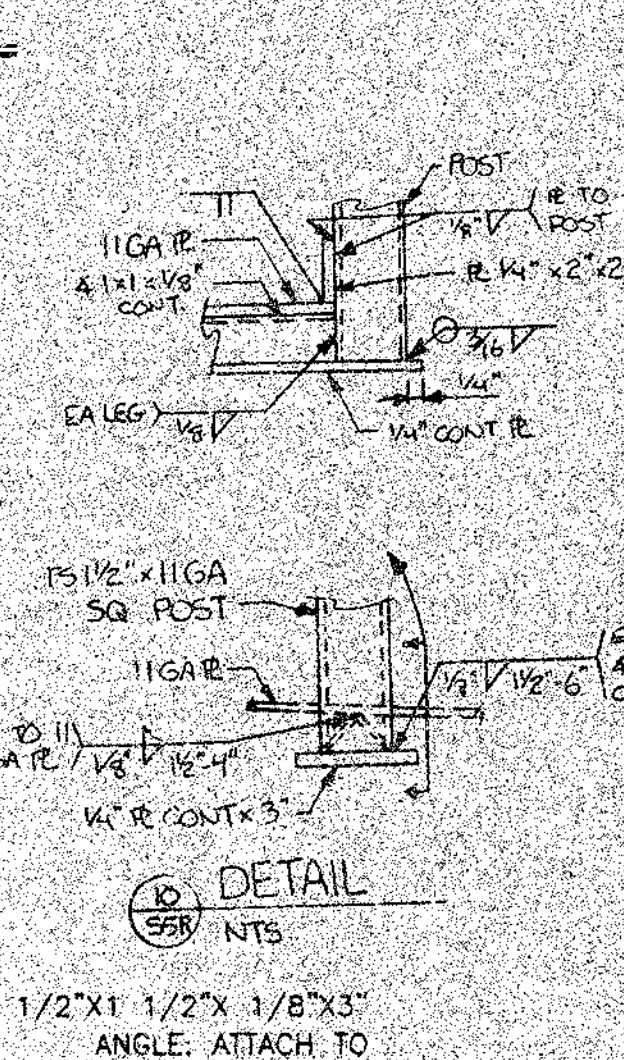
ENTRY RAMP AND LANDING SPECIFICATIONS

EACH BUILDING SHALL HAVE A RAMP AND LANDING TO CONFORM TO TITLE 24 CCR SECTIONS 1006 AND 1007. THE RAMP AND LANDING STRUCTURES INCLUDING HANDRAIL AND WHEEL GUIDES ARE TO BE PREFABRICATED METAL IN SECTIONS THAT ARE DEMOUNTABLE FOR MOVING AND REINSTALLATION AT A NEW SITE.

DESIGN SHALL BE SUCH THAT HEIGHT ADJUSTMENT CAN BE MADE AT THE INSTALLATION SITE. TUBING SHALL BE STEEL CONFORMING TO ASTM A500 GRADE B. THE RAMP SURFACE SHALL BE 3/4" MARINE GRADE PLYWOOD.

RAMP AND LANDING SHALL HAVE A NON-SKID SURFACE FINISH APPLIED. NON-SKID FINISH SHALL BE AMCOE GRIP II MANUFACTURED BY AMERICAN CHEMICAL CO. OR EQUIVALENT. ALL RAMP SURFACES SHALL BE PAINTED AS INDICATED IN SECTION 3.3.19. RAMP SHALL HAVE HANDRAILS ON BOTH SIDES. WALL MOUNTED HANDRAILS SHALL BE OF SIMILAR CONSTRUCTION TO THE INTEGRAL RAMP HANDRAIL.

RAMP AND LANDING SHALL BE FULLY SKIRTED WITH THE SAME MATERIAL USED FOR BUILDING SKIRT. SIDES OF RAMP AND LANDING THAT DO NOT ADJOIN BUILDING WALL SHALL BE SKIRTED. ALL EDGES OF THE PLYWOOD SKIRT SHALL BE SUPPORTED AND PROTECTED FROM WEATHER. FOUNDATION MEMBERS SHALL BE AS FOR BUILDING FOUNDATION. ONLY THE FOUNDATION PAD RESTING ON GRADE MAY EXTEND BEYOND THE OUTSIDE FACE OF THE SKIRT 1" MAXIMUM



FLOOR DECKING:

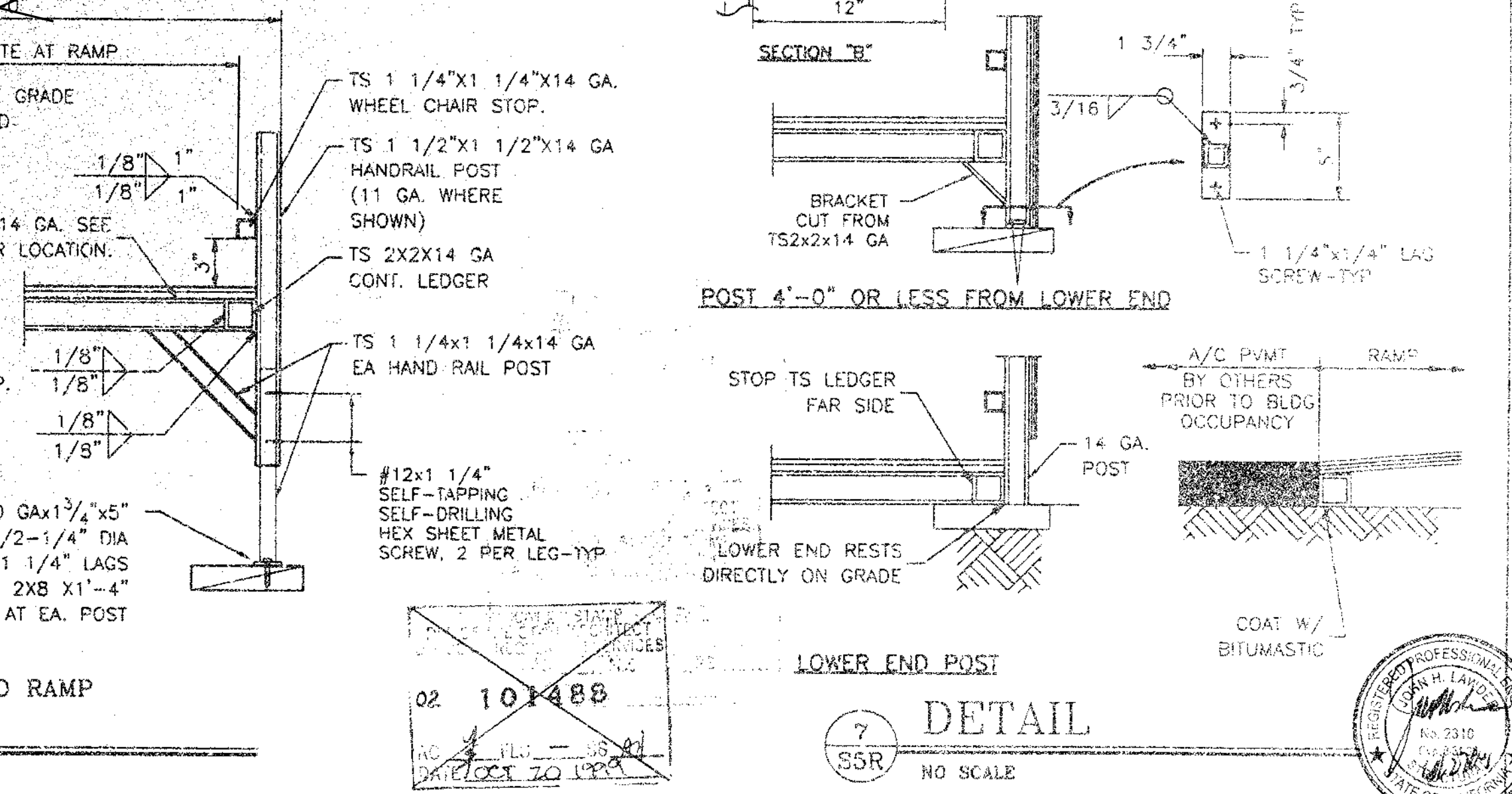
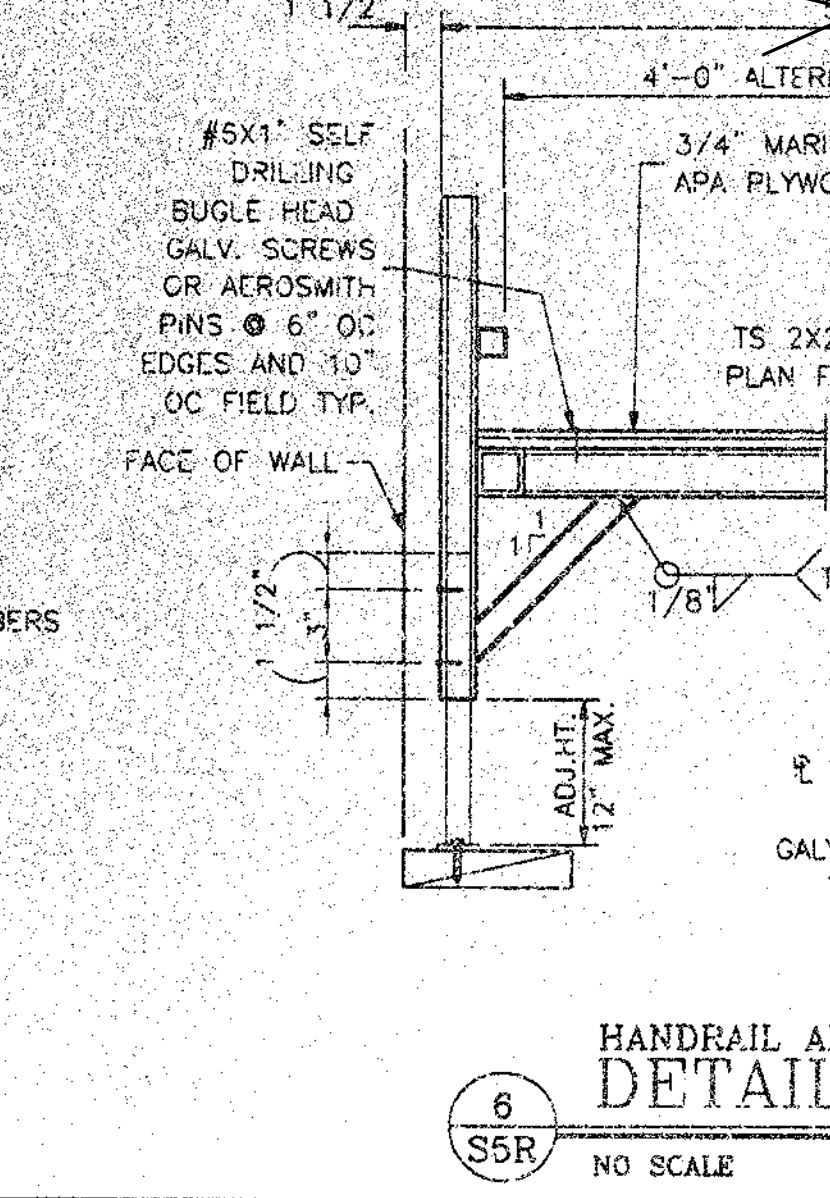
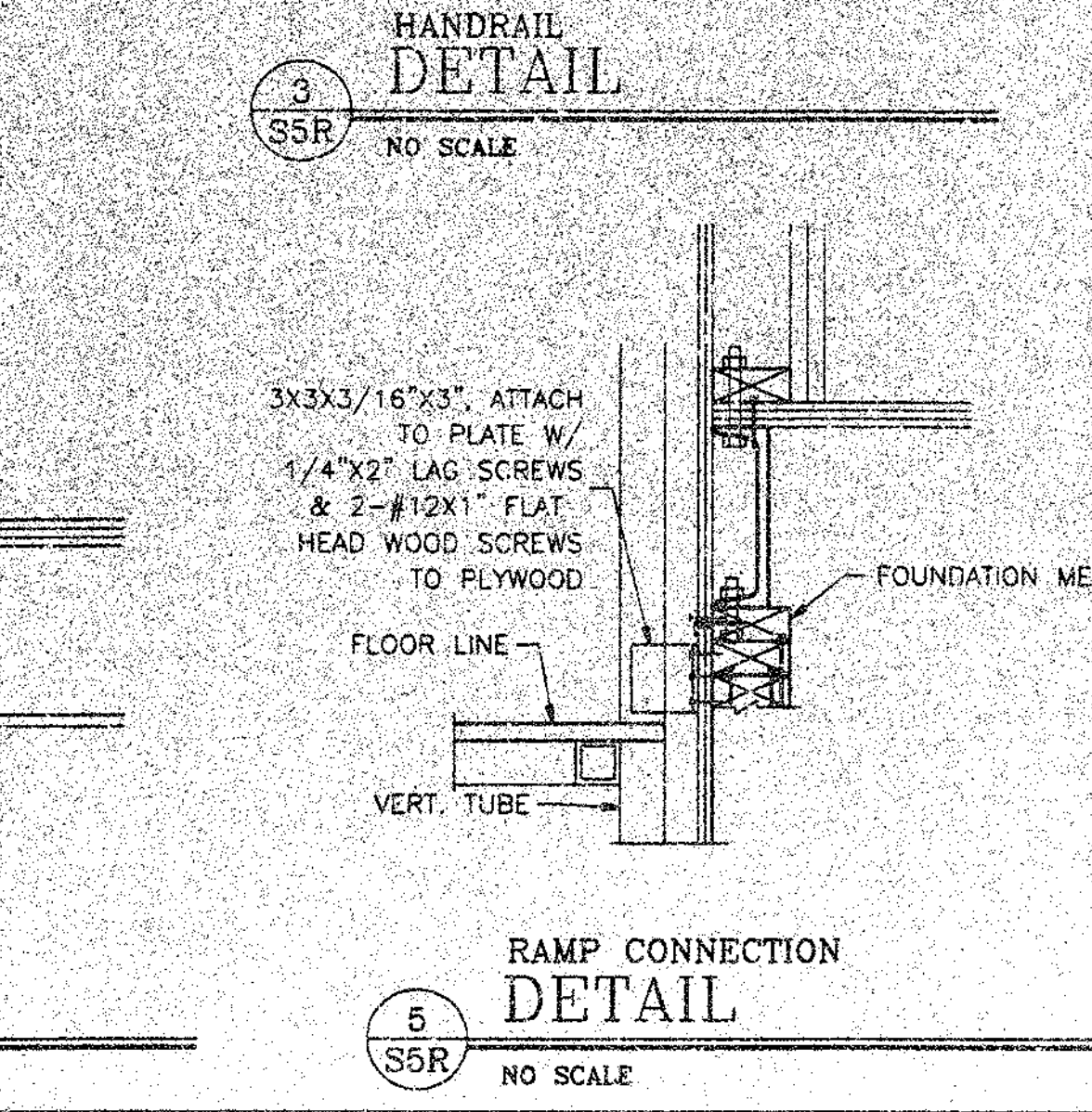
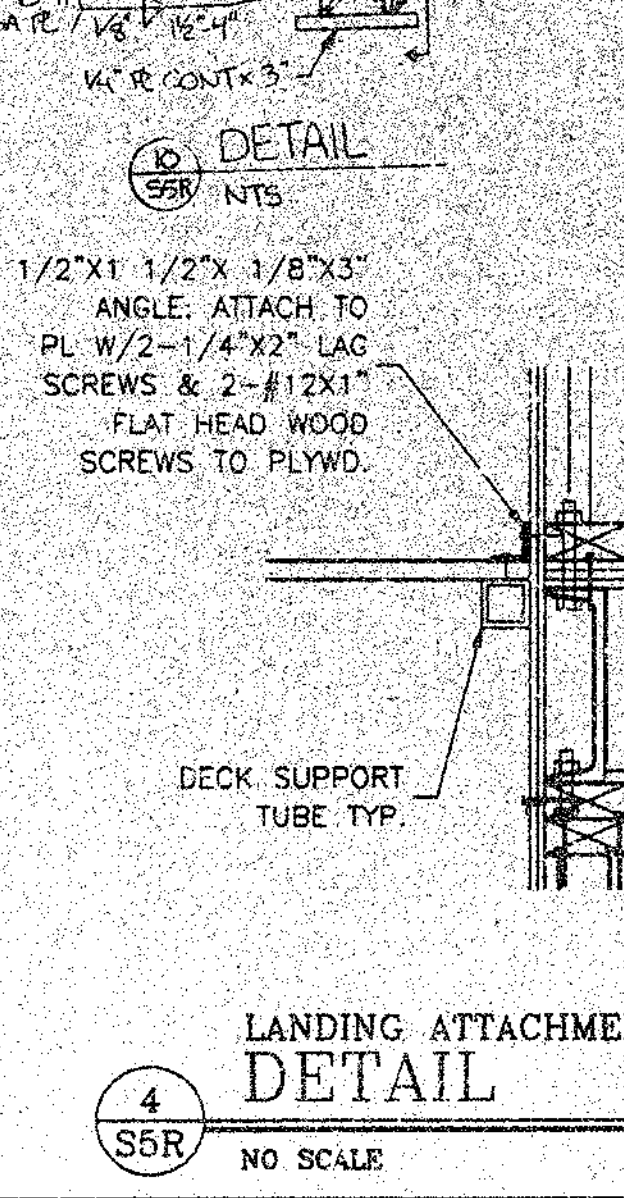
3/4" MARINE EXT. APA 48/24 PLYWOOD W/ NON-SKID SURFACE. (SEE ALTERNATE) DECK SURFACES SHALL BE SEALED ON ALL SIDES. FASTENED TO STEEL FLOOR MEMBERS WITH #10-24 X 1 1/4" LONG PLY-METAL TYPE SCREWS @ 12" O.C.

ALT. FLOOR DECKING:

1" 11 GA SHEET METAL WITH NON-SKID SURFACE.

GROUNDING OF BUILDING COMPONENTS:

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECESSARY CONNECTORS TO GROUND THE METAL PORTIONS OF THE BUILDING (I.E. FRAME, RAMP, ETC.) GROUNDING ROD, WIRES AND TESTING SHALL BE PROVIDED BY OTHERS AND MEET THE REQUIREMENTS OF I.R. M-5 ISSUED BY DSA.



American Modular Systems

CUSTOMER:

24 x 40 RELOCATABLE CLASSROOM

DATE: 10/18/99

SCALE: AS NOTED

DRAWN BY: PWD

DESIGNED BY: MDB

CHECKED BY: KAL

SERIAL NO.

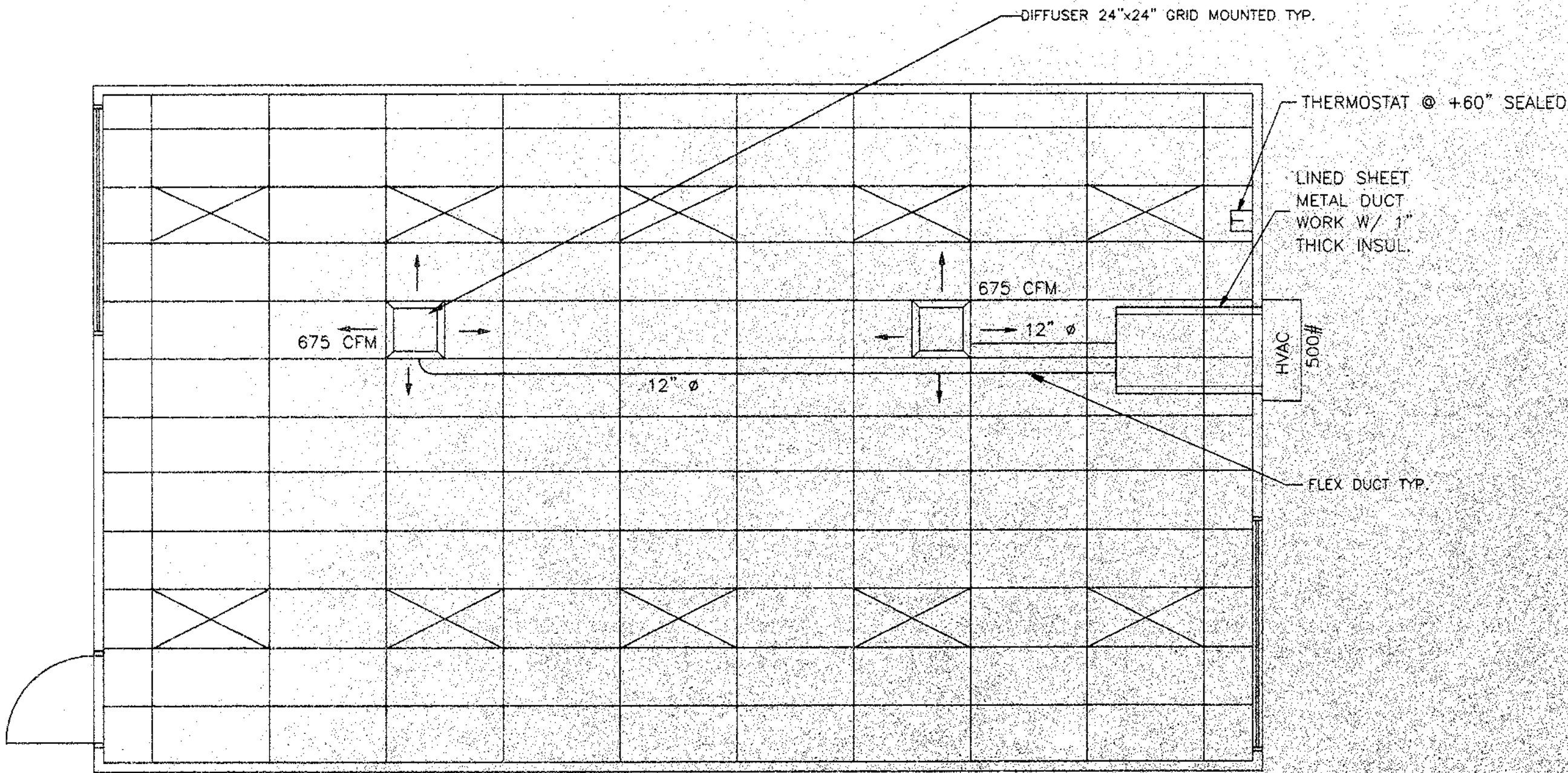
REVISIONS

NO	DATE	DESCRIPTION

PROJECT No. 99100

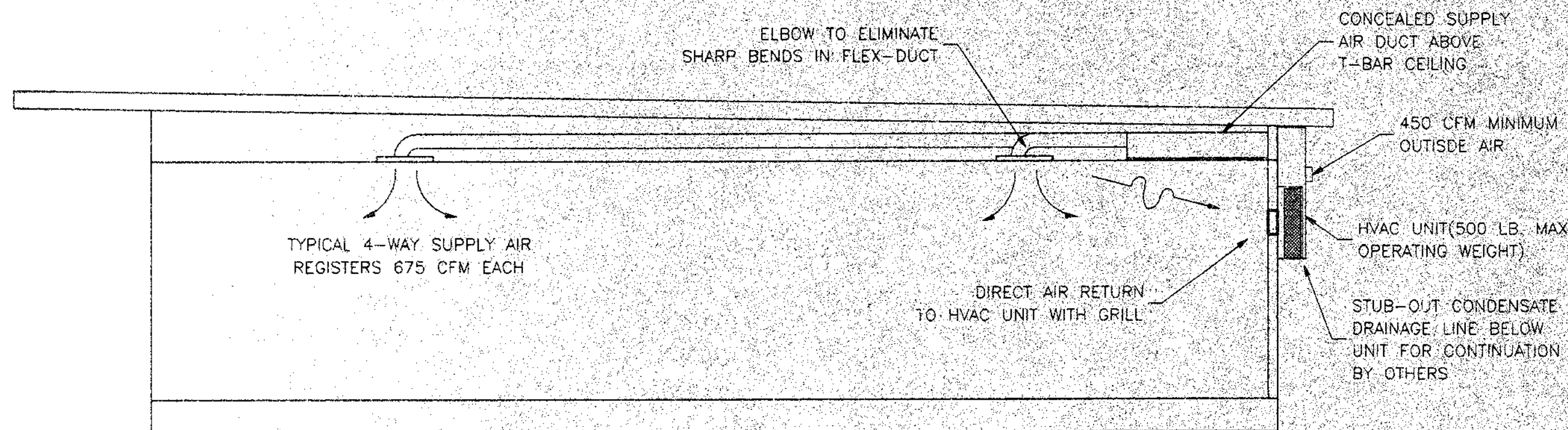
SHEET No. SSR

GENERAL NOTES
HEATING VENTILATING AND AIR CONDITIONING (HVAC)
1. Heat Pump: Single package wall mounted air to air electric heat pump unit shall be rated in accordance with ARI Standard 240-77.
Reference Brands: BARD WH42A-XXXXXX MARVAIR AVP 42 HPA-08S
All units shall be 230/208 volt, 1 phase system, UL tested & approved or comparable and meet current energy standards.
A.) The system shall maintain an automatically controlled indoor classroom temperature of 78 degrees F. When the outdoor dry bulb temperature varies between 100 degrees F. in the summer
B.) The system must maintain the above temperature when the damper is adjusted to use approximately one third fresh air.
2. Ductwork:
A.) Construct all ductwork of galvanized sheet metal in accordance with C.M.C., Ashrae Guide Equipment volume and Smacna Low Velocity Duct Construction manual latest editions. All ductwork shall be insulated with 1" thick fiberglass duct wrap with vapor barrier. Provide 1" duct attenuation at all ductwork within 2'-0" of HVAC unit.
B.) Non-metallic ductwork option: In accessible concealed portions of duct system rigid 1" fiberglass or insulated flex-duct with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 5' of the HVAC unit and all interface connections shall be metal. Ductwork and reinforcement shall be designed for 2" static pressure.
Reference Brands: Owens-Corning fiberglass ductboard, 1" thick, and Micro-aire, TYPE 475.
Non-metallic ductwork shall conform to NFPA 90-A and SMACNA Class 1 rating.
3. Air duct insulation and linings shall comply with flame spread less than or equal to 25; smoke generation less than or equal to 50.
4. Supply air diffusers shall be 675 CFM max. 15"x15" neck, steel, rigid 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" Micro-Aire type #475 Owens-Corning, Knauf, Certainteed, or equal and 90- B: UL #131 test, class 1 rating with "SMACNA".
5. Registers and diffusers: Provide three (Min) 4-way throw air diffusers as manufactured Carnes, Titus, Hart and Cooley, Metalaire, Shoemaker, Barber-Coleman or Krueger commercial grade grills and registers
6. Air conditioning controls:
Thermostat: Provide electronic programmable thermostat. Thermostat shall have the following functions:
A.) 5 and 2 weekday/weekend programming with 4 separate time/temperature setting for 24-hour period.
B.) Key board lockout switch.
C.) Programmable display.
D.) 2-hour override minimum.
E.) Status Indicated Led's.
F.) Battery back-up.
Provide locking clear thermostat cover with thermostat cover with access hole for program override. White Rodgers IF92 @ +60" SEALED.
7. Thermal insulation:
A.) Roof Insulation: R-19 Unfaced.
B.) Walls Insulation: R-11 Kraft Faced.
C.) Floors Insulation: R-11 Kraft Faced.
Flame spread and smoke development shall conform to California Building Code sec. 707.
8. Factory-made air ducts: Factory-made air ducts shall be approved for the use intended or shall conform to the requirements of U.M.C. Standard No. 6-1. Each portion of a factory-made air duct system shall be identified by the manufacturer with a label or other suitable identification indicating compliance with U.M.C. Standard No. 6-1 and its class designation. These ducts shall be listed and shall be installed in accordance with the terms of their listing and the requirements of UMC STD. 6-1.



HEAT/SUPPLY AIR DUCT LAYOUT

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

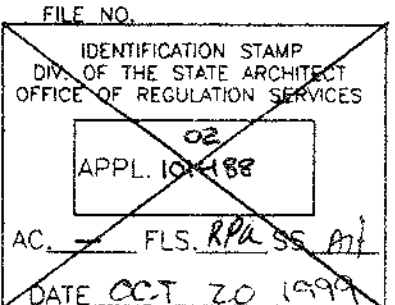
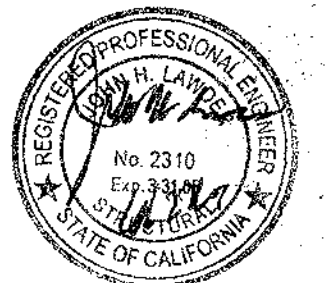
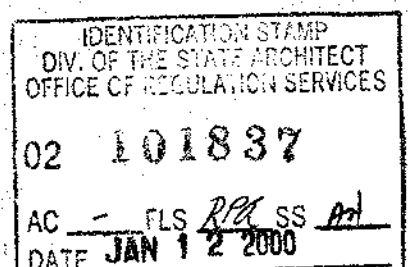
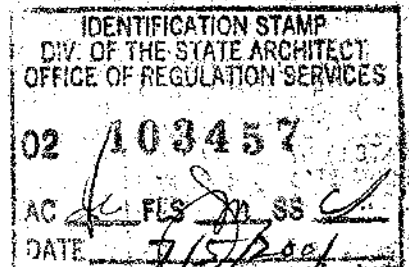


HEAT/SUPPLY AIR DUCT CROSS SECTION

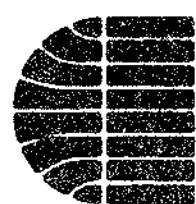
SCALE: 1/4"=1'-0"

DUCT SUPPORT
Flex-duct to be supported with 1-1/2" wide x 26 ga. galv. strap @ max 6'-0" o.c. Attach to rafter W/2 #8 SMS @ each end.
Supply air plenum to be supported with 1-1/2" wide x 26 ga. galv. straps min. 2 per plenum.
Supply air box and diffusers to be supported with (2) 12 ga. hanger wires to box @ opposite corners.
Supply air box and diffusers to be braced with (2) 12 ga. slack wires to box @ opposite corners. Attach supply air diffusers to ceiling grid to resist a lateral load equal to the weight of the diffuser and supply air box W/2 #8 SMS.

THESE DRAWINGS COMPLY
WITH THE ENERGY CONSERVATION REQUIREMENTS
OF TITLE 24 OF THE STATE OF CALIFORNIA



24 X 40
RELOCATABLE
CLASSROOMS



**American
Modular Systems**

333 EAST CARNEGIE CT. MANTeca, CALIFORNIA 95337
PHONE (209) 825-1921 FAX (209) 825-7018

CUSTOMER:

MECHANICAL PLAN & NOTES

DATE: 10-19-99
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
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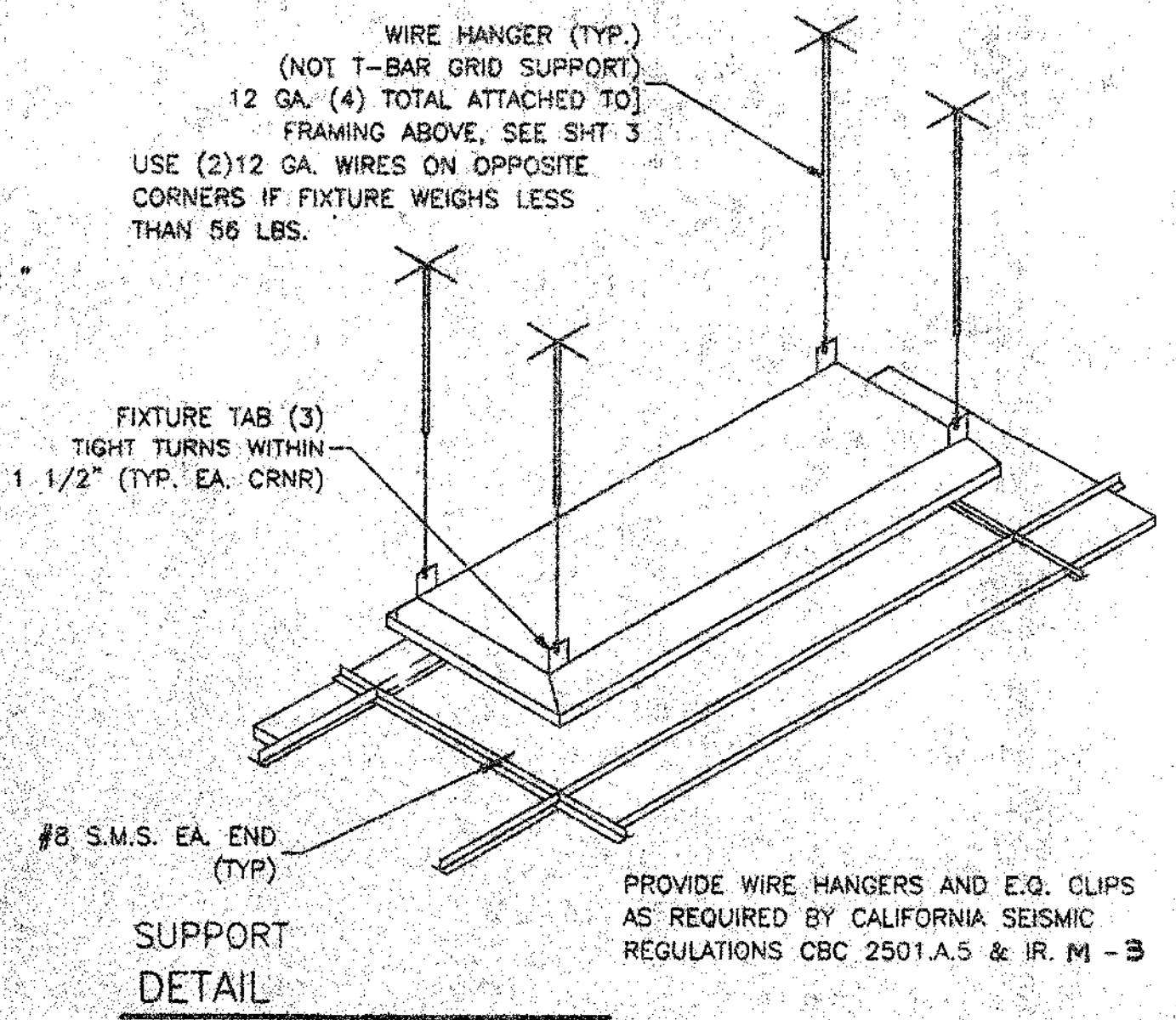
PROJECT No.

SHEET No.

M 1

STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE - SURFACE MOUNTED.
- FLUORESCENT LIGHTING FIXTURE - RECESSED.
- FLUORESCENT LIGHTING FIXTURE - WALL MOUNTED (EXTERIOR).
- INCANDESCENT LIGHTING FIXTURE - WALL MOUNTED (INTERIOR).
- DUPLEX WALL CONVENIENCE OUTLETS +18".
- SINGLE POLE LIGHT SWITCHES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- ELECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"x1" #22 4"x2"
- WALL CLOCK OUTLET WITH POWER OUTLET +84".
- SWITCH SUBSCRIPTS - a=DEVICE CONTROLLED.
- 15 AMP DUPLEX RECEPTACLE +18".
- JUNCTION BOX - SIZE AND TYPE AS REQUIRED.
- PANELBOARD - SEE SCHEDULE.
- TERMINAL CABINET - SIZE AND TYPE AS NOTED.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR OR GRADE.
- HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
- INDICATES 1#14 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.
- BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#14 WIRE CIRCUIT. FOR MORE THAN 2#14 WIRES AS FOLLOWS: -H-3#14, -H-4#14 ETC. FOR OTHER SIZES AS FOLLOWS: -H-3#10, -H-4#6 ETC.
- NOTE
- Ⓐ FIXTURE IDENTIFICATION - LETTER INDICATES TYPE.
- N.I.E.S. ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.
- MT ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.
- Ⓐ FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.
- [W.E.F.] WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.
- 50 AMP 250 VOLT RANGE RECEPTACLE.
- FIRE ALARM STATION - OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48" CENTERLINE.
- FIRE ALARM HORN - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" MIN. AND NOT LESS THAN 6" BELOW FINISHED CEILING.
- FIRE ALARM VISUAL ALARM - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER BOTTOM +80". A.F.F. BUT NO GREATER THAN +96". IF CEILING MOUNTED PER NFPA72 TABLE 6-4.4.1(b).
- SPEAKER - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84".
- INTERCOM TELEPHONE - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48".
- FIRE ALARM MINI HORN - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" MIN. AND NOT LESS THAN 6" BELOW FINISHED CEILING.



FIRE ALARM SYSTEM

- THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, ARTICLE 760 & CALIFORNIA FIRE CODE ART. 10.
- INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITECT.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

GENERAL NOTES

- GROUNDING ELECTRODE CONDUCTOR SIZED PER NEC 250-94 & 95.
- ALLOW FOR 12" MOVEMENT IN ANY DIRECTION IF PAD FOUNDATION IS USED.
- PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU).
- PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

FIXTURE NOTES:

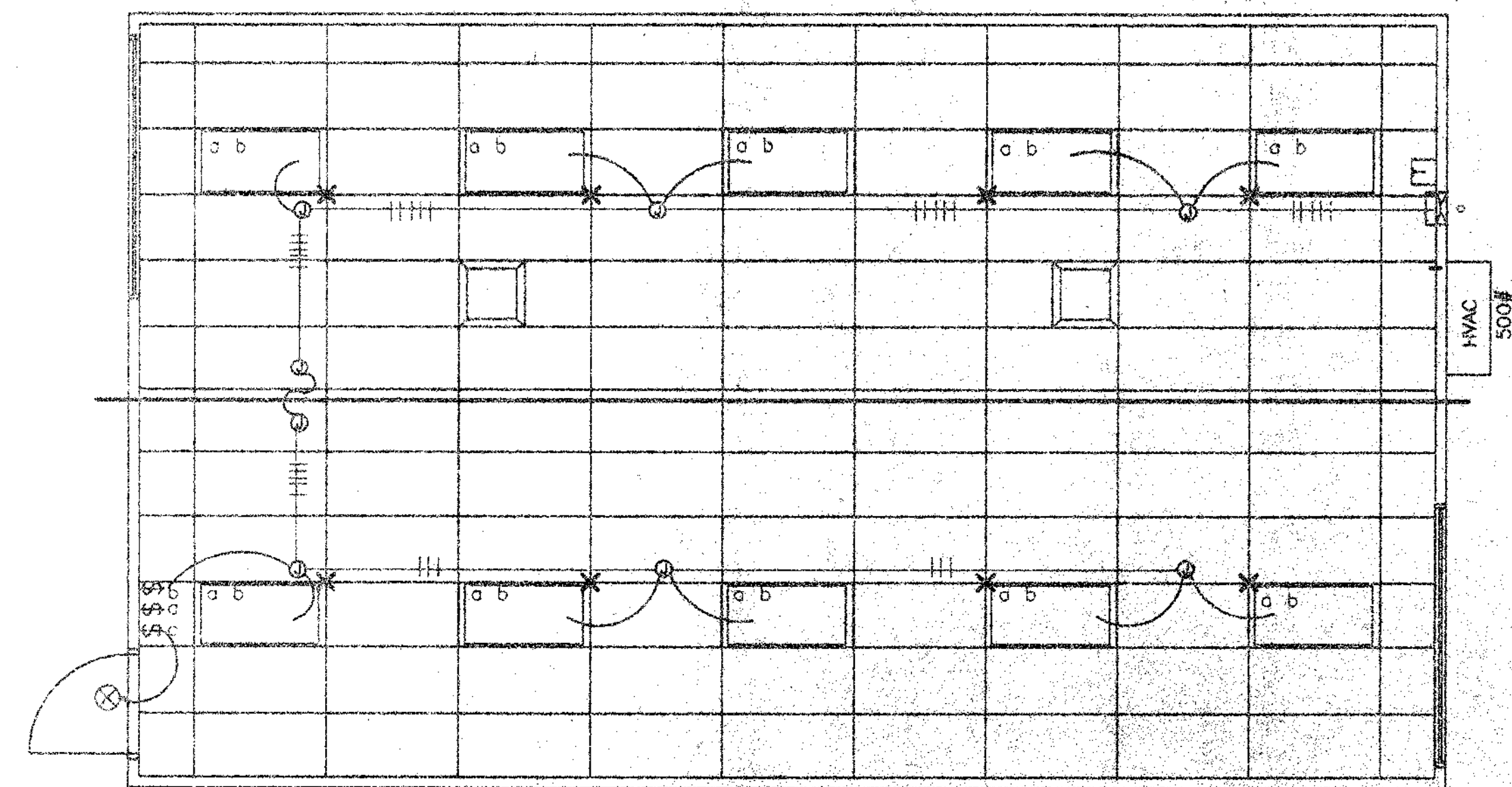
- ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
- LUMINAIRES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE TITLE 24.
- FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

ELECTRICAL

- Electrical service drop and connections supplied by others.
- Manufacturer to provide stub-out from back of electrical panel through the exterior wall for receiving either underground or overhead service & fitting for grounding cable.
- Electrical panel board shall be recess mounted inside the building. Space to accommodate all connected loads including spaces as shown. Overcurrent protective devices in the panel boards have adequate short circuit interrupting capacity. All buses including bus shall be copper or aluminum.
- 2x4 fluorescent fixtures shall be steel frame, lens shall be hinged and locked in place by two locking devices. The lens diffusers shall be KHS, Inc. #KSH-12, Carolite, Inc. #C-12 or Plaskolite, Inc. #PL21A. Minimum lens thickness shall be .125 inch.
- Fluorescent ballast shall be energy saver while maintaining full light output, class "P" equipped with thermal protectors, guaranteed against failure for (2) years and be replaced from inside the fixture.
- Clock - 12" dial clock on clock outlet.

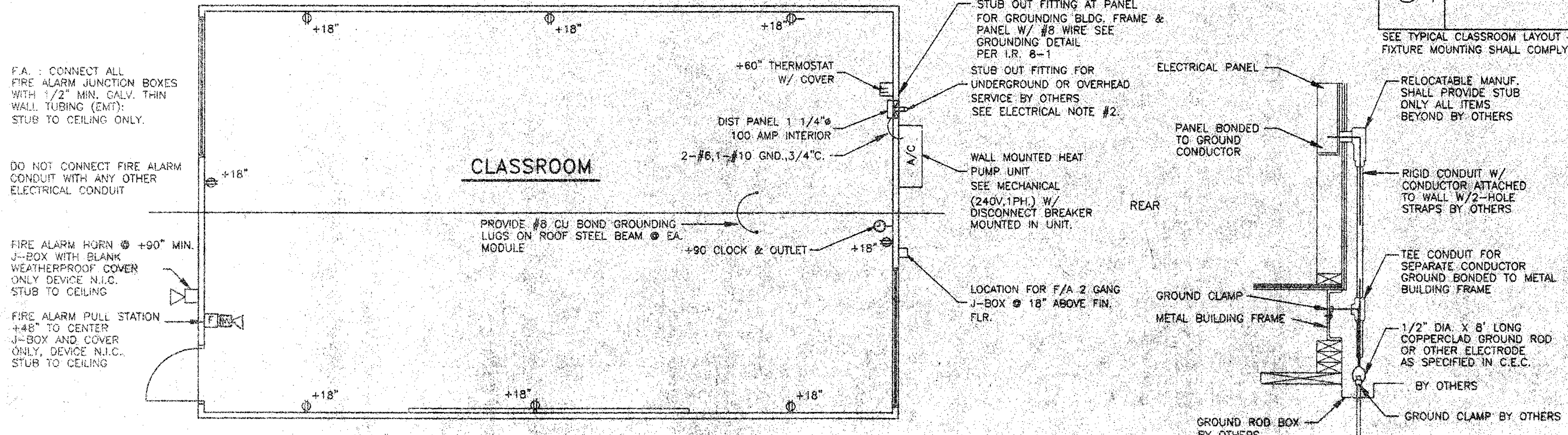
- Clock shall be General Electric model 2912 129V 60 cycle.
- Clock outlet shall be Bryant #2828 or equal with separable hanging clip & app'd recept.

1 LIGHT FIXTURE PLAN
E1 1/4" = 1'-0"



The H.V.A.C. unit feeder circuit - panel circuit breaker, unit disconnect and fuses (where used) - is to be coordinated with the name plate data at the time of manufacture. H.V.A.C. units having KVA ratings larger than that indicated on this panel schedule will not be allowed to be installed on this building. If 60 degrees C. wire is to be used in this installation, calculations demonstrating ampacity be provided on the drawing.

2 ELECTRICAL PLAN
E1 1/4" = 1'-0"



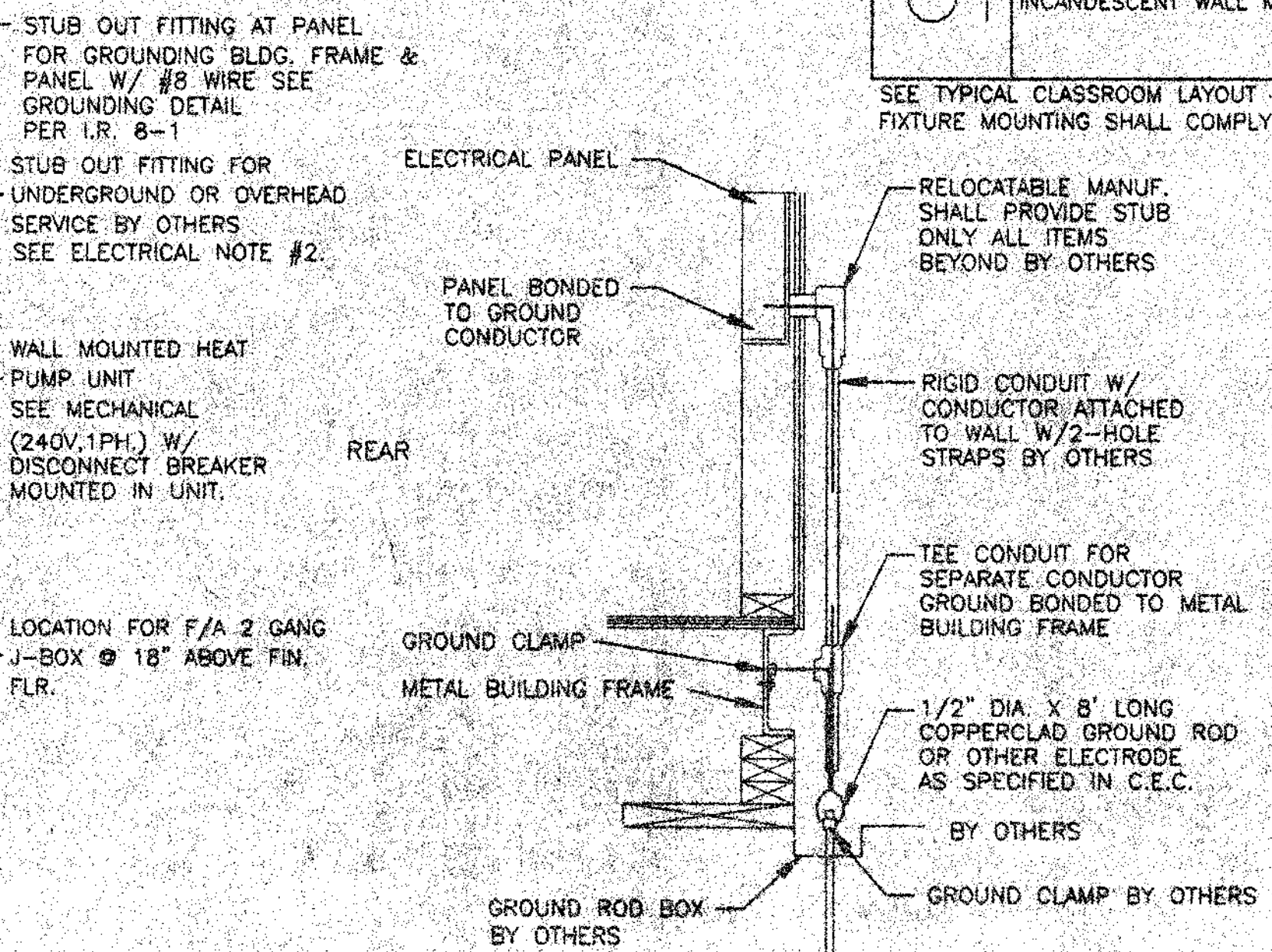
F.A. : CONNECT ALL FIRE ALARM JUNCTION BOXES WITH 1/2" MIN. CALV. THIN WALL TUBING (EMT). STUB TO CEILING ONLY.

DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT

FIRE ALARM HORN @ +90" MIN. J-BOX WITH BLANK WEATHERPROOF COVER ONLY. DEVICE N.I.C. STUB TO CEILING

FIRE ALARM PULL STATION +48" TO CENTER J-BOX AND COVER ONLY. DEVICE N.I.C. STUB TO CEILING

FIRE ALARM Junction boxes - Galvanized sheet metal, square or rectangular with blank covers. Locate one box at rear of building near main electrical panel at +18" above finish floor for future connection. Covers - Install gasketed, metal, waterproof, finish covers at exterior locations. Install finish covers at interior locations. If testing results determine fire alarm audibility does not meet 15db over ambient noise levels, additional fire alarm signaling devices may be required by the enforcing agency



Size of conductors shall comply W/CEC Table. Bond separate conductors from ground rod to electrical panel & metal building frame. In addition to the detail shown above, bond the electrical ground to metal water pipe embedded @ least 10' into the soil if available. Electrical bond modules together W/#8 CU @ midline. By manufacturer. Check resistance to ground. If resistance exceeds 25 OHMS, install additional ground rods as required. Grounding detail per I.R. M3 INSPECTOR TO WITNESS GROUNDING TEST.

A BUILDING GROUND DETAIL
E1 N.T.S.

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
	2'x4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS, ENERGY SAVING BALLAST, (4)35 WATT TUBES, WT. 27 LBS.	156 W	CRESCENT 24TF440DLA
	FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE, .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & "POSIGRIP" STAINLESS STEEL SCREWS.	(2) 7W 2700 K	KENALL 3714 OR LITHONIA 202 2/7PL LP
	INCANDESCENT WALL MOUNTED	150W	PROGRESS P3011x30"

SEE TYPICAL CLASSROOM LAYOUT FOR LOCATIONS OF ALL DEVICES. FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

VOLTS: 120/240 SINGLE PHASE		PANEL: A		FEED: EXTERIOR LB	
MAIN: 100 AMP MAIN BKR.		LOCATION: INTERIOR		MOUNTING: FLUSH	
LOAD	WATTS	BRK. C	A	BRK. C	WATTS
LIGHTS, FLUORESCENT	980	15	1	2	2,160
LIGHTS, FLUORESCENT	980	15	1	2	2,160
EXTERIOR LIGHT & CLOCK	100	15	1	6	4476
DUPLEX RECEPT.	720	15	1	8	
DUPLEX RECEPT.	720	15	1	10	
SPACE				12	
SPACE				14	
SPACE				16	
PHASE WATTAGE	1880	1680	17	18	4476
TOTAL WATTS "A" LEG: 8556				TOTAL WATTS "B" LEG: 8156	
TOTAL WATTS: 15455	65	AMPS	120/240V	SINGLE PHASE	100AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.					

3 ELECTRICAL DISTRIBUTION PLAN
E1 1/4" = 1'-0"

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 02 103457 AC FLS 10/18/99 DATE 7/5/2001	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 02 103437 AC FLS 10/18/99 DATE JAN 12 2000	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL 10/18/99 AC FLS 10/18/99 DATE OCT 20 1999
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CUSTOMER:	DATE: 10-19-99 SCALE: NONE DRAWN BY: R.E. CHECKED BY: CHECKED BY: SERIAL NO.	REVISIONS NO. DATE DESCRIPTION 1 10/19/99 2 10/19/99 3 10/19/99 4 10/19/99 5 10/19/99 6 10/19/99 7 10/19/99 8 10/19/99 9 10/19/99 10 10/19/99	PROJECT No. SHEET No. E 1
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