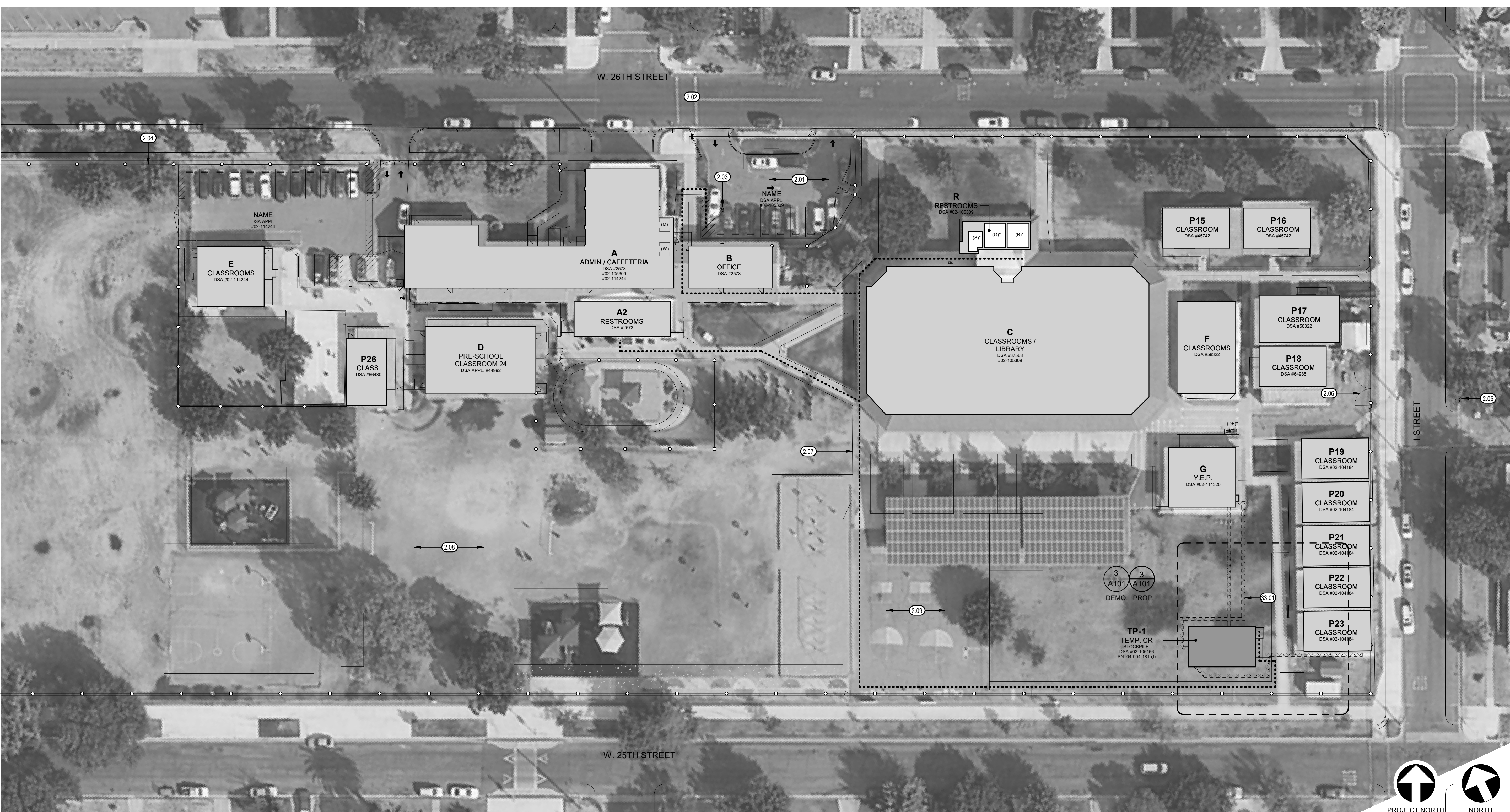






OVERALL SITE PLAN

1" = 30'-0"

3

PARKING ANALYSIS

|                                 |           |
|---------------------------------|-----------|
| <b>VEHICLE PARKING (LOT A):</b> |           |
| PARKING PROVIDED:               |           |
| STANDARD:                       | 9 STALLS  |
| ACCESSIBLE:                     | 1 STALL   |
| TOTAL:                          | 10 STALLS |
| <b>VEHICLE PARKING (LOT B):</b> |           |
| PARKING PROVIDED:               |           |
| STANDARD:                       | 14 STALLS |
| ACCESSIBLE:                     | 1 STALL   |
| TOTAL:                          | 15 STALLS |

GENERAL NOTES

- 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.

LEGEND

- (E) BUILDINGS (NOT IN PROJECT SCOPE)
- PROPOSED RELOCATABLE BUILDING
- IDENTIFICATION (B) - BOYS - STUDENT; (G) - GIRLS - STUDENT (M) - MENS - STAFF; (W) - WOMENS - STAFF
- IDENTIFICATION (DF) - DRINKING FOUNTAIN
- PATH OF EMERGENCY EGRESS
- ACCESSIBLE PATH OF TRAVEL: (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 1 1/2"; 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 HARSHNESS 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 ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

KEYNOTES

- 2.01 EXISTING AC PAVED PARKING AREA, TYP.
- 2.02 EXISTING ENTRY WARNING SIGN (DSA APPL. 02-109022)
- 2.03 EXISTING ACCESSIBLE PARKING STALL (DSA APPL. 02-109022)
- 2.04 EXISTING CHAIN LINK FENCE, TYP.
- 2.05 EXISTING FIRE HYDRANT, TYP.
- 2.06 EXISTING DBL. 10'-0" WIDE CHAIN LINK GATE
- 2.07 EXISTING CONCRETE WALK, TYP.
- 2.08 EXISTING TURF AREA, TYP.
- 2.09 EXISTING PAVED PLAY AREA
- 33.01 APPROXIMATE LOCATION OF UTILITY TRENCHING, COORDINATE WITH ELECTRICAL. SEE GENERAL NOTE REGARDING 'UTILITY TRENCH REPAIR' FOR PATCH BACK AND REPAIR/RESTORATION REQUIREMENTS.

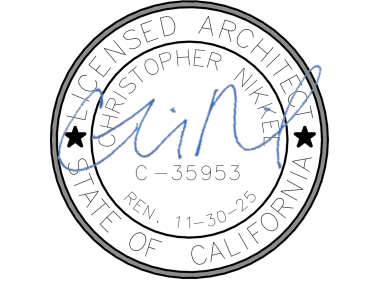
JOHN MUIR ELEMENTARY SCHOOL  
TEMP. INSTALLATION OF  
STOCKPILE CLASSROOM BLDG.  
MERCED CITY SCHOOL DISTRICT, MERCED, CA

PROJECT NO.  
25-13265

DRAWING  
A100

DRAWING TITLE  
OVERALL SITE PLAN

|                                                                                                                                                                                                                                                                                    |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 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. |          |
| MARK                                                                                                                                                                                                                                                                               | DATE     |
| A                                                                                                                                                                                                                                                                                  | 05/30/25 |
| DSA INITIAL PLAN CHECK                                                                                                                                                                                                                                                             |          |



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



SITE PLAN - FIRE AUTHORITY

1" = 40'-0"

3

## BUILDING CODE ANALYSIS

### BUILDING ANALYSIS

#### RELOCATABLE BUILDING

- A. OCCUPANCY CLASSIFICATION(S) (CBC SECTION 302):  
1. 'E', EDUCATION
- B. CONSTRUCTION TYPE (CBC 602): TYPE VB, NON-SPRINKLERED
- C. HEIGHT IN FEET:  
1. ALLOWABLE (CBC TABLE 504.3): 60 FEET (WITHOUT AREA INCREASE FOR 'E' OCCUPANCIES)  
2. ACTUAL: 18 FEET
- D. HEIGHT IN STORIES:  
1. ALLOWABLE (CBC TABLE 504.4): 2 STORIES WITHOUT AREA INCREASE FOR 'E' OCCUPANCIES  
2. ACTUAL: 1 STORY
- E. SEPARATION OF OCCUPANCIES (CBC SECTION 508.4)  
a. 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:  
1. ALLOWABLE AREA (CBC 506)  
a. (ALLOWABLE AREA BASED ON NON-SEPARATED OCCUPANCIES PER CBC 508.3 WITH 'E' OCCUPANCY BEING THE MOST RESTRICTIVE, AND TYPE OF CONSTRUCTION INDICATED ABOVE)  
b.  $A_a = A_l + (N_S \times I_f) = 9,500 + (9,500 \times 0.75) = 16,625$  SF  
c.  $A_l = 9,500$  SF  
d.  $N_S = 9,500$  SF  
e.  $I_f = 0.75$  (CBC 506.3, BASED ON MINIMUM 30 FT YARDS 75% AROUND)
2. SINGLE OCCUPANCY ONE STORY BUILDING (CBC 506.2.1)  
a.  $A_a = A_l + (N_S \times I_f) = 9,500 + (9,500 \times 0.75) = 16,625$  SF  
b.  $A_l = 9,500$  SF  
c.  $N_S = 9,500$  SF  
d.  $I_f = 0.75$  (CBC 506.3, BASED ON MINIMUM 30 FT YARDS 75% AROUND)
3. ACTUAL AREA:  
RELOCATABLE: 960 SF  
OVERHANGS: 180 SF  
TOTAL: 1,140 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-1' OCCUPANCIES
- C. NUMBER OF EXITS AND EXIT ACCESS DOORWAYS, CBC SECTION 1006 & TABLES 1006.2.1, 1006.3.2, AND 1006.3.3(2):  
1. MINIMUM 2 EXITS/ACCESS TO EXITS REQUIRED FOR OCCUPANT LOADS OF 1 TO 500; 1 EXIT ALLOWED FOR:  
a. 'A' AND 'E' OCCUPANCIES WITH A MAXIMUM OCCUPANT LOAD OF 49 AND A MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE OF 75'.

## LEGEND

- (E) BUILDINGS (NOT IN PROJECT SCOPE)
- PROPOSED RELOCATABLE BUILDING
- (B) DENOTES ACCESSIBLE UPGRADE UNDER DSA APPL. #02-105309
- IDENTIFICATION  
(B) - BOYS - STUDENT  
(G) - GIRLS - STUDENT  
(M) - MENS - STAFF  
(W) - WOMENS - STAFF
- (DF) DENOTES ACCESSIBLE UPGRADE UNDER DSA APPL. #02-111320
- IDENTIFICATION  
(DF) - DRINKING FOUNTAIN
- 20' 0" WIDE FIRE LANE
- PATH OF EMERGENCY EGRESS
- ACCESSIBLE PATH OF TRAVEL:  
(2022 C.B.C. SECTION 11B - 206)



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. Acknowledgement 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 08-01](#).

| 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?<br>(If yes, provide a copy of the test data.)                                                                                                                                                                                                                                                                                                                        | Yes <input type="checkbox"/>      | No <input type="checkbox"/>   |                                    |
| 2. Was the fire hydrant water flow test performed as part of this LFA review?                                                                                                                                                                                                                                                                                                                                                                  | Yes <input type="checkbox"/>      | No <input type="checkbox"/>   |                                    |
| 3. Is the project located within a designated fire hazard severity zone as established by CalFire? (If yes, indicate fire hazard zone classification below)<br>Refer to the following for fire hazard zone locations:<br><a href="#">www.fire.ca.gov/fire-prevention/fire-prevention-wildland-zones-maps</a><br>Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.) | Moderate <input type="checkbox"/> | High <input type="checkbox"/> | Very High <input type="checkbox"/> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |                               | WIFA <input type="checkbox"/>      |
| 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.                                                                                                                                                                                                                               |                                   |                               |                                    |

## 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: \_\_\_\_\_

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.

| MARK | DATE     | DESCRIPTION            |
|------|----------|------------------------|
| A    | 05/30/25 | DSA INITIAL PLAN CHECK |



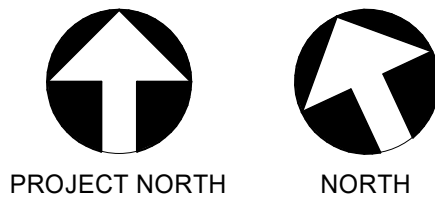
**TETER, INC.**  
FRESNO HEADQUARTERS  
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO  
ARCHITECTS ENGINEERS CONNECTED



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

PROJECT NO.  
25-13265

DRAWING  
A100F



ENLARGED SITE - DEMOLITION

1/8" = 1'-0"

11

### GENERAL NOTES

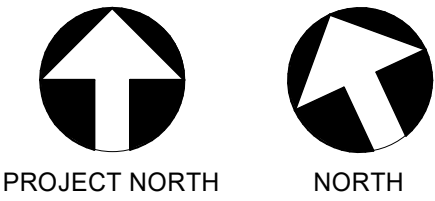
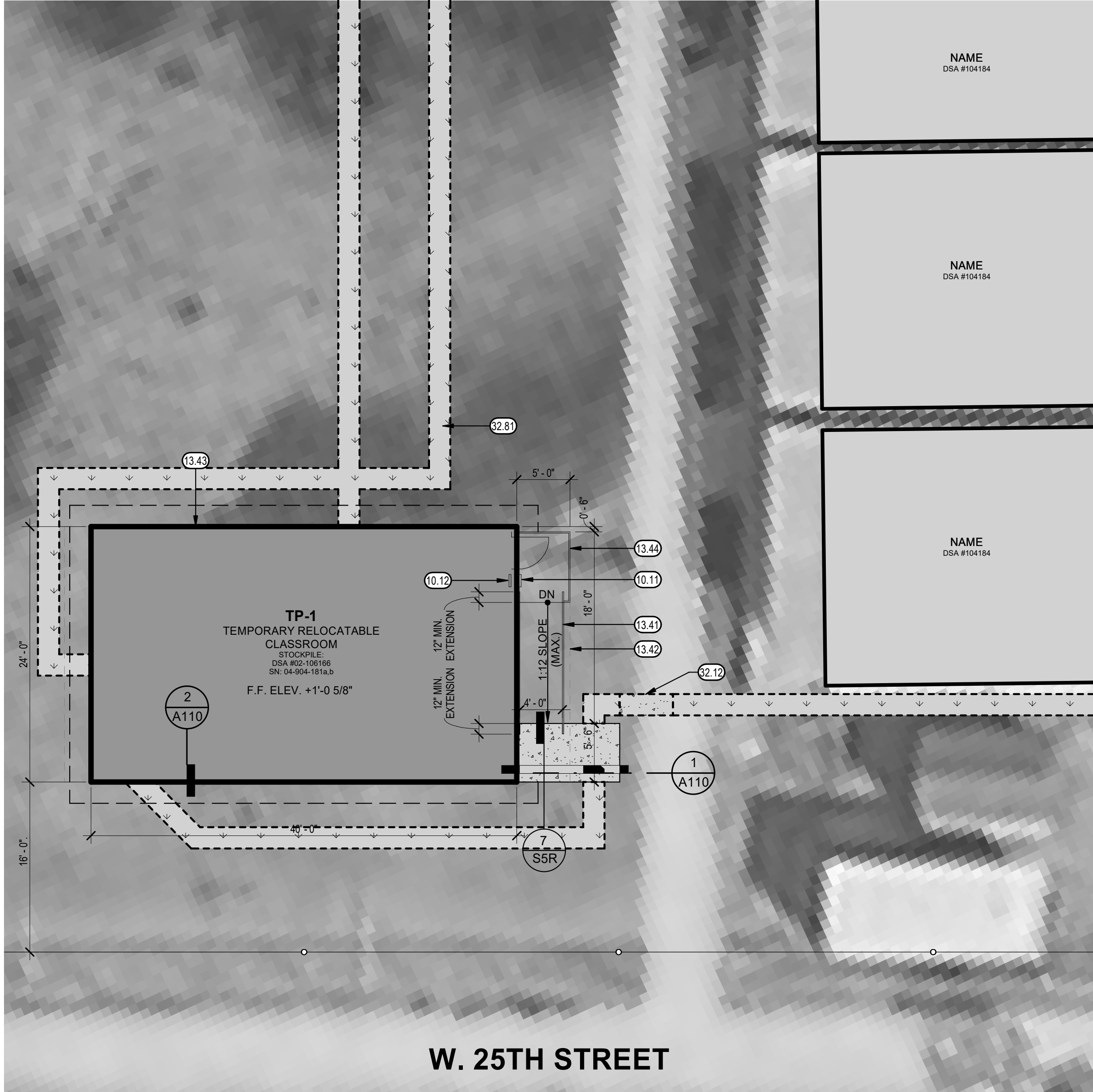
- A. KEYNOTES APPLY TO THIS SHEET ONLY.
- B. LANDSCAPE/IRRIGATION SCOPE OF WORK:  
- CONTRACTOR SHALL REMOVE, RELOCATE AND/ OR MODIFY EXISTING IRRIGATION SYSTEM AS REQUIRED TO SERVE NEW TURF AREAS.  
- PROVIDE TURF AT AREAS OF WORK AS REQUIRED TO MAINTAIN CONTINUITY OF EXISTING LANDSCAPE/ TURF AREA.  
- CONTRACTOR SHALL PROTECT EXISTING TREES AND/ OR LANDSCAPE IN AREAS OF WORK FROM DAMAGE DUE TO CONSTRUCTION.
- C. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION; SCOPE MAY AFFECT AREAS NOT NOTED IN ARCHITECTURAL DRAWINGS.
- D. **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
- (E) BUILDINGS
- (E) WALKWAY/ PAVING TO REMAIN
- PROPOSED CONCRETE WALKWAY
- APPROXIMATE LOCATION OF UTILITY TRENCHING, COORDINATE W/ ELECTRICAL
- APPROXIMATE LOCATION OF UTILITY TRENCHING PATCH BACK & REPAIR. SEE **GENERAL NOTE C.** COORDINATE W/ ELECTRICAL

### KEYNOTES

- 2.12 (E) TURF TO REMAIN, TYP.
- 2.51 PORTION OF (E) TURF, (E) PLANT MATERIALS AND (E) DIRT BELOW PROPOSED BUILDING LOCATION TO BE REMOVED. SCARIFY TOP 12" OF EXISTING SOIL AND RE-COMPACT TO 95% RELATIVE COMPACTION. RELOCATE (E) IRRIGATION AS DIRECTED BY OWNER.
- 2.52 AREA OF SOIL IMPROVEMENT BEYOND BUILDING LOCATION
- 10.11 ROOM SIGNAGE (RN-1) & SEE 11 / A110
- 10.12 TACTILE EXIT SIGNAGE (TE-1), SEE 11 / A110
- 13.41 PRE-MAUFACTURED RAMP AND LANDING, HANDRAIL/ GUARDRAIL SYSTEM. SEE RELOCATABLE MANUFACTURER DRAWINGS. DSA #02-106166
- 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% MAX SLOPE IN BOTH DIRECTIONS
- 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.



ENLARGED SITE - PROPOSED

1/8" = 1'-0"

3

JOHN MUIR ELEMENTARY SCHOOL  
TEMP. INSTALLATION OF  
STOCKPILE CLASSROOM BLDG.  
MERCED CITY SCHOOL DISTRICT, MERCED, CA

PROJECT NO.

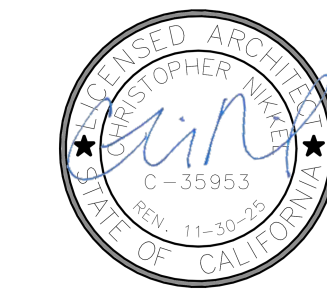
25-13265

DRAWING

A101

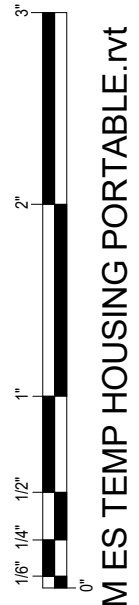
DRAWING TITLE  
ENLARGED SITE PLAN

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



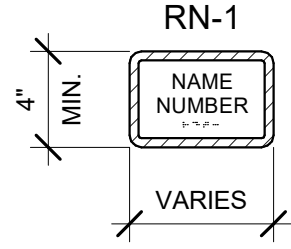
| MARK | DATE     | DESCRIPTION            |
|------|----------|------------------------|
| A    | 05/30/25 | DSA INITIAL PLAN CHECK |

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.



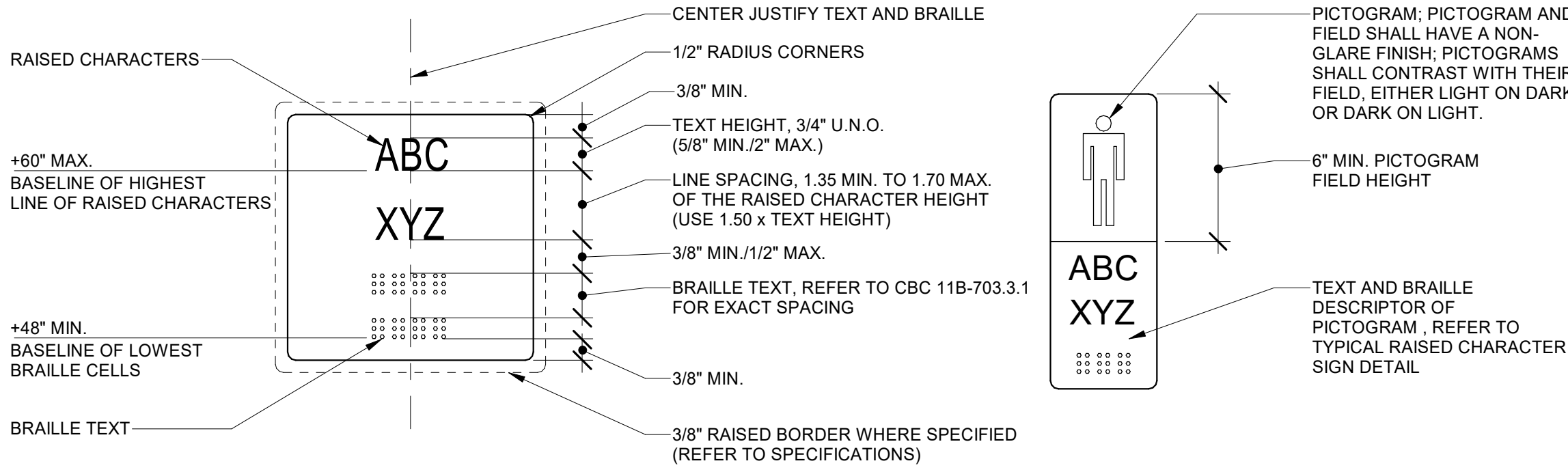
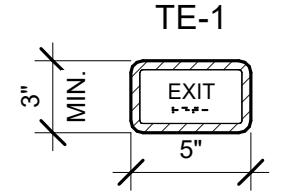
**WALL MOUNTED IDENTIFICATION SIGNAGE @ FUNCTIONAL ROOMS (RN)**

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



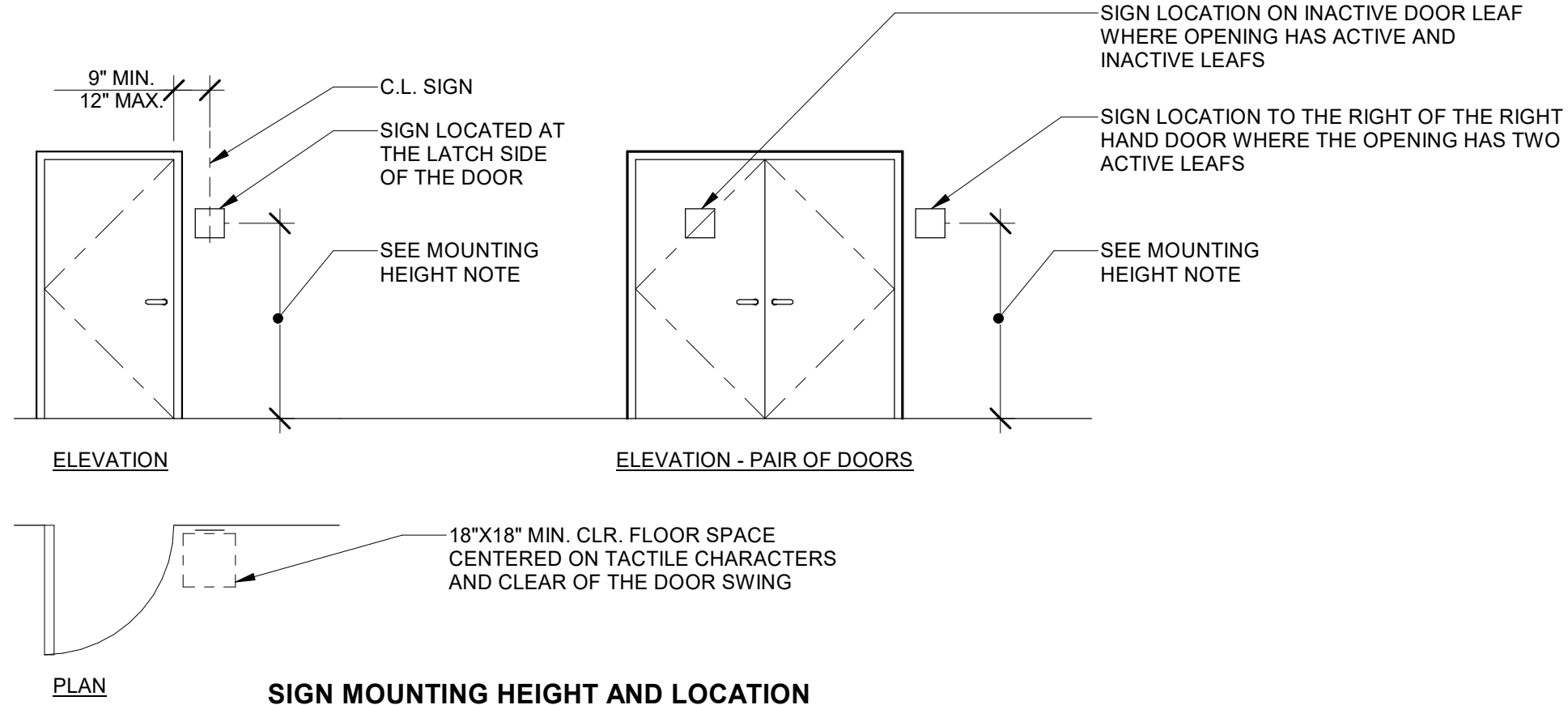
**WALL MOUNTED TACTILE EXIT SIGN (TE)**

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



**TYPICAL ROOM IDENTIFICATION OR TACTILE EXIT SIGN**

**SIGN WITH PICTOGRAM**



**SIGN MOUNTING HEIGHT AND LOCATION**

**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 80 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.

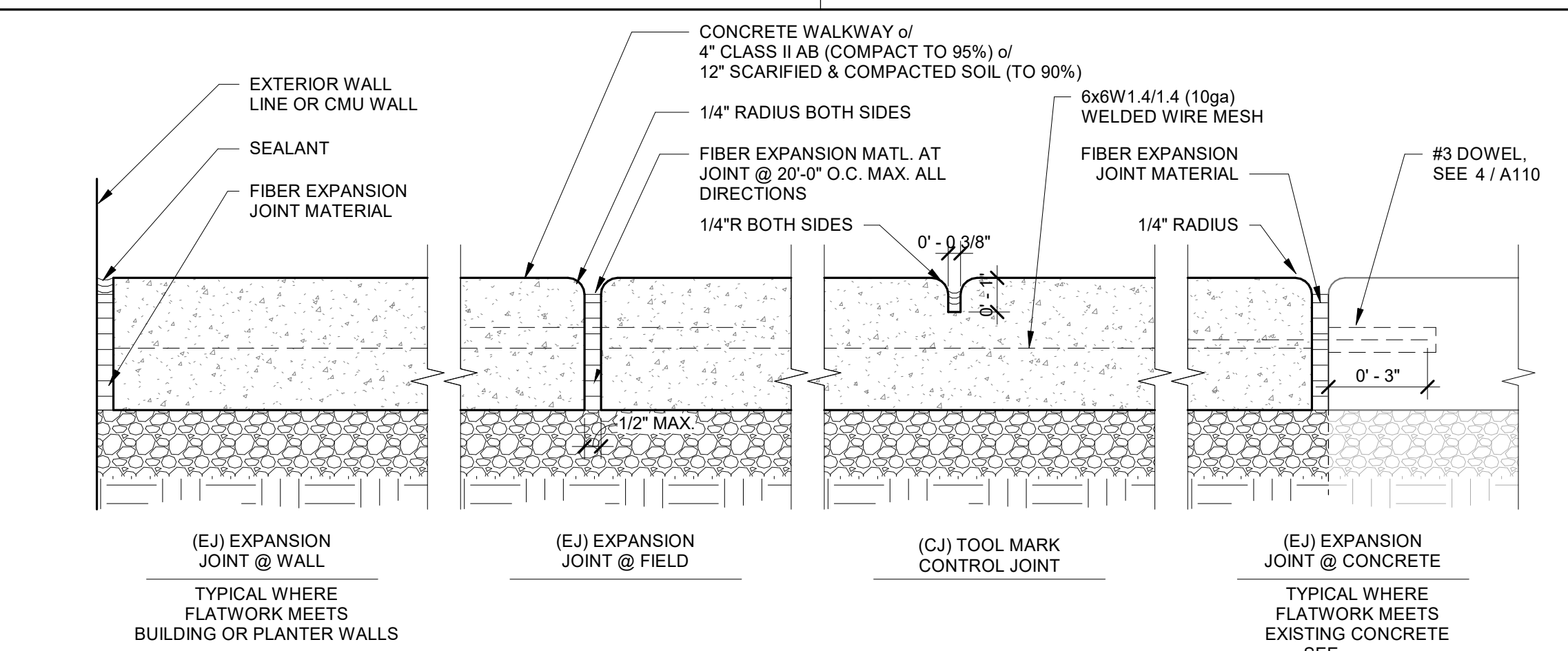
**LOCATION (CBC 11B-703.4.2):** SIGNS SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE, WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE 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.

101400\_ROOM D-001

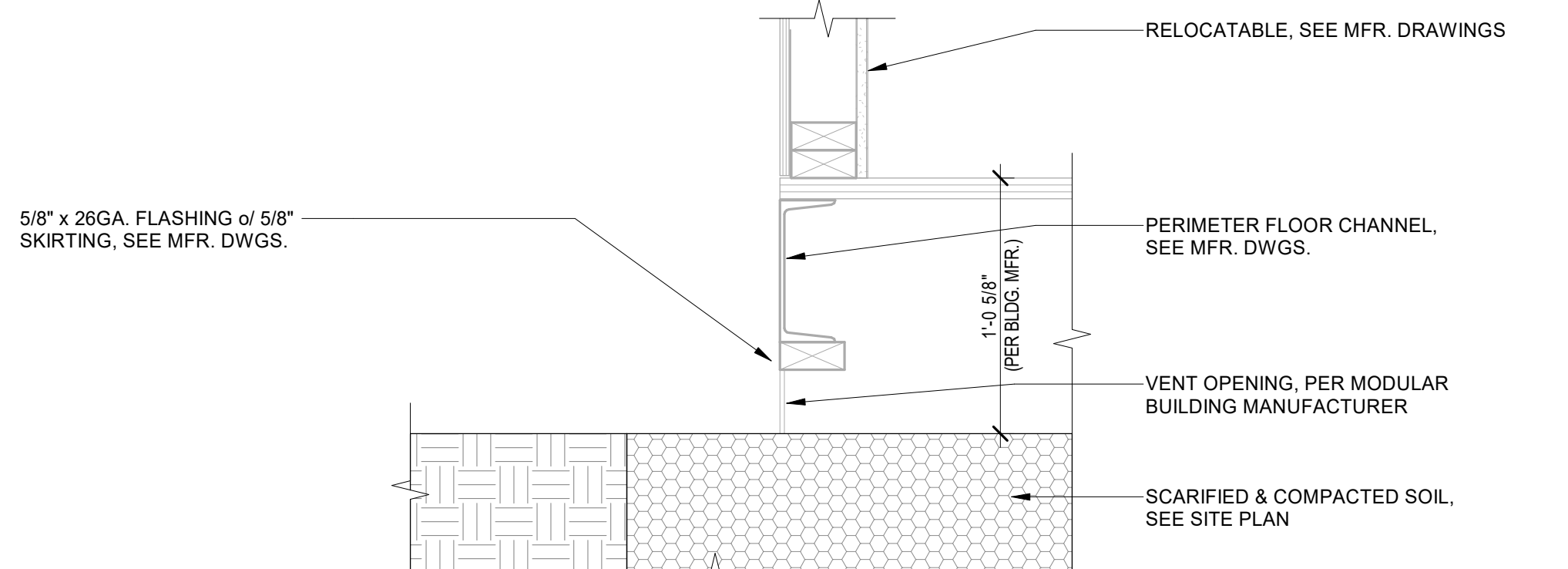
**TYPICAL ROOM IDENTIFICATION & TACTILE SIGNAGE**

1 1/2" = 1'-0" **11**



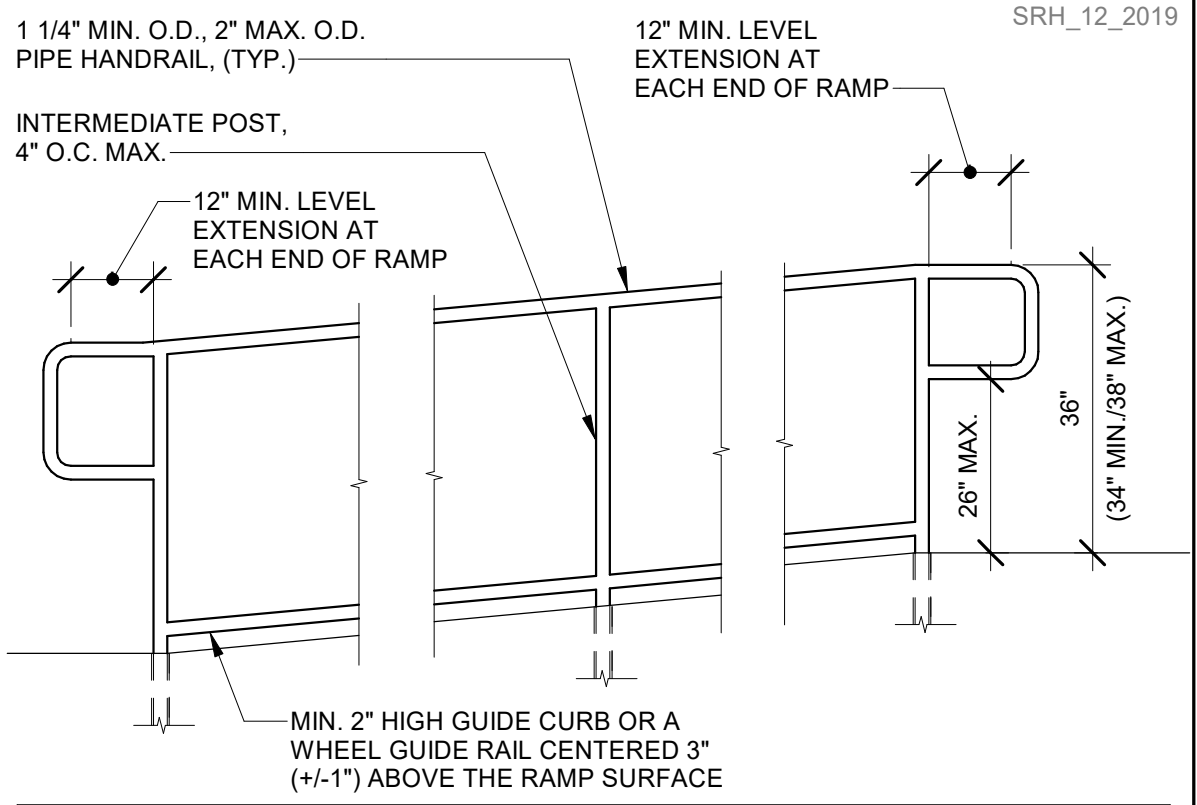
**CONCRETE PAVING**

3" = 1'-0" **1**



**CONCRETE WALK AT MODULAR BUILDING VENT**

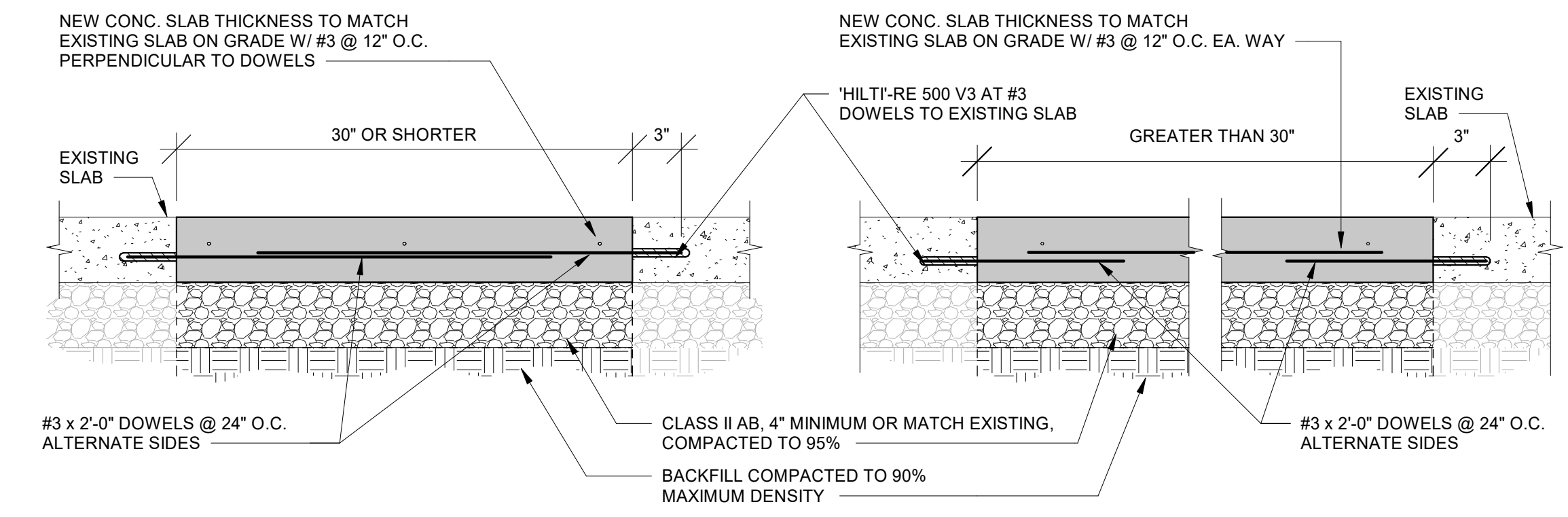
1 1/2" = 1'-0" **2**



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

**RAMP HANDRAIL**

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



**CONCRETE PATCH**

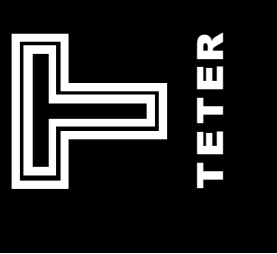
1 1/2" = 1'-0" **4**

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.

| MARK | DATE     | DESCRIPTION            |
|------|----------|------------------------|
| A    | 05/30/25 | DSA INITIAL PLAN CHECK |



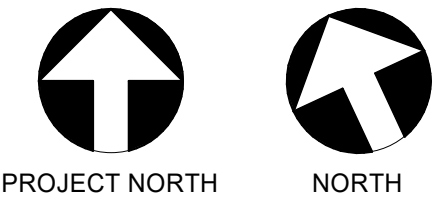
**TETER, INC.**  
FRESNO HEADQUARTERS  
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO  
**ARCHITECTS ENGINEERS CONNECTED**



JOHN MUIR ELEMENTARY SCHOOL  
TEMP. INSTALLATION OF  
STOCKPILE CLASSROOM BLDG.  
MERCED CITY SCHOOL DISTRICT, MERCED, CA  
DRAWING TITLE  
SITE DETAILS

PROJECT NO.  
25-13265

DRAWING  
**A110**



ELECTRICAL SITE PLAN

1" = 40'-0"

1

## KEYNOTES

- 1 (E) FIRE ALARM CONTROL PANEL 'FACP' INSTALLED PER DSA APPROVED MODERNIZATION PLANS (DSA APPL. 02-105309). REFER TO FIRE ALARM RISER DIAGRAM & CALCULATIONS, FIRE ALARM SYSTEM EQUIPMENT LEGEND, FIRE ALARM CODES AND NOTES, AND FIRE ALARM DETAILS ON SHEET E710.

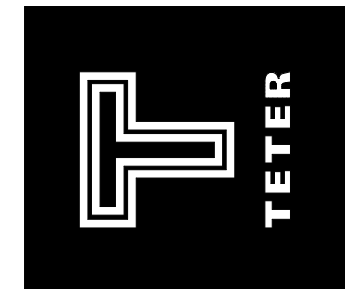
## GENERAL NOTES

- A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.
- B. TRENCH AND BACKFILL PER ARCHITECTURAL PLANS, SPECIFICATIONS, AND DETAIL 3/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.

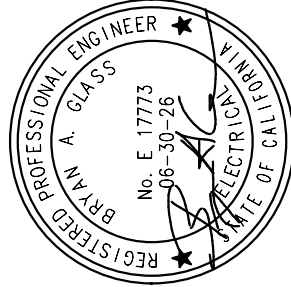
PRE-ENGINEERED RELOCATABLE  
BUILDING AND ASSOCIATED SITE WORK  
JOHN MUIR ELEMENTARY SCHOOL  
MERCED, CA  
DRAWING TITLE  
ELECTRICAL SITE PLAN

PROJECT NO.  
25-13265

DRAWING  
E100

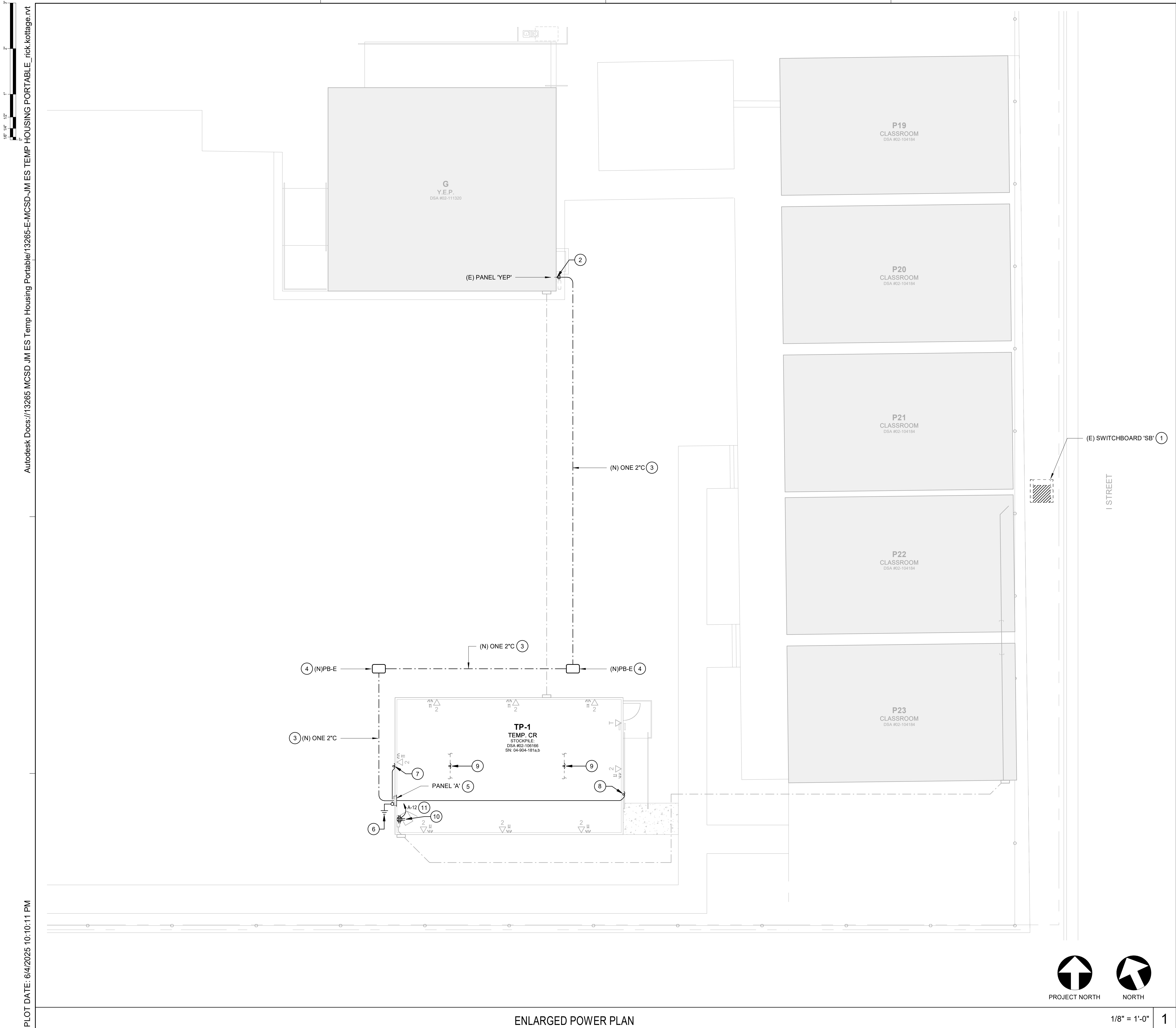


**TETER, INC.**  
FRESNO HEADQUARTERS  
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO  
ARCHITECTS ENGINEERS CONNECTED



| 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.



## KEYNOTES

- (E) SWITCHBOARD 'SB' PER SINGLE LINE DIAGRAM 2/E600.
- PROVIDE (N) 100A, 2-POLE, NEMA 3R ENCLOSED CIRCUIT BREAKER ON EXTERIOR BUILDING WALL AT (E) RELOCATABLE BUILDING, AND TAP (E) PANEL 'YEP' FEEDER PER SINGLE LINE DIAGRAM 2/E600.
- PROVIDE ONE (N) 2" C WITH 3#2 CU THWN + 1#6 CU GND.
- PROVIDE (N) POWER PULL BOX PER DETAIL 4/E600.
- CONNECT PANEL AT (N) RELOCATABLE BUILDING PER SINGLE LINE DIAGRAM 2/E600.
- PROVIDE SYSTEM GROUND FACILITIES PER DETAILS 7/E600 AND 8/E600.
- PROVIDE GROUNDING LUGS ON BOTH SIDES OF RIGID METAL BEAMS AND BOND RELOCATABLE BUILDING SECTIONS TOGETHER WITH 1#6 CU GND.
- PROVIDE GROUNDING LUG AND BOND METAL HANDRAIL WITH 1#6 CU GND.
- RECONNECT (E) POWER AND LIGHTING BRANCH CIRCUIT CONNECTIONS BETWEEN BUILDING SECTIONS.
- PROVIDE DEDICATED QUADRAPLEX RECEPTACLE AT (N) IDF CABINET. VERIFY EXACT HEIGHT AND LOCATION WITH OWNER.
- 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

- PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.
- TRENCH AND BACKFILL PER ARCHITECTURAL PLANS, SPECIFICATIONS, AND DETAIL 3/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.

PRE-ENGINEERED RELOCATABLE  
BUILDING AND ASSOCIATED SITE WORK  
JOHN MUIR ELEMENTARY SCHOOL  
MERCED, CA

PROJECT NO.

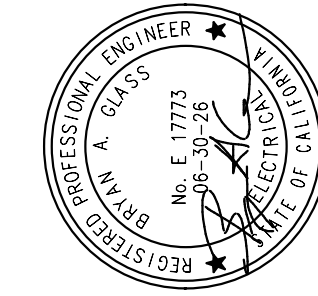
25-13265

DRAWING

E200

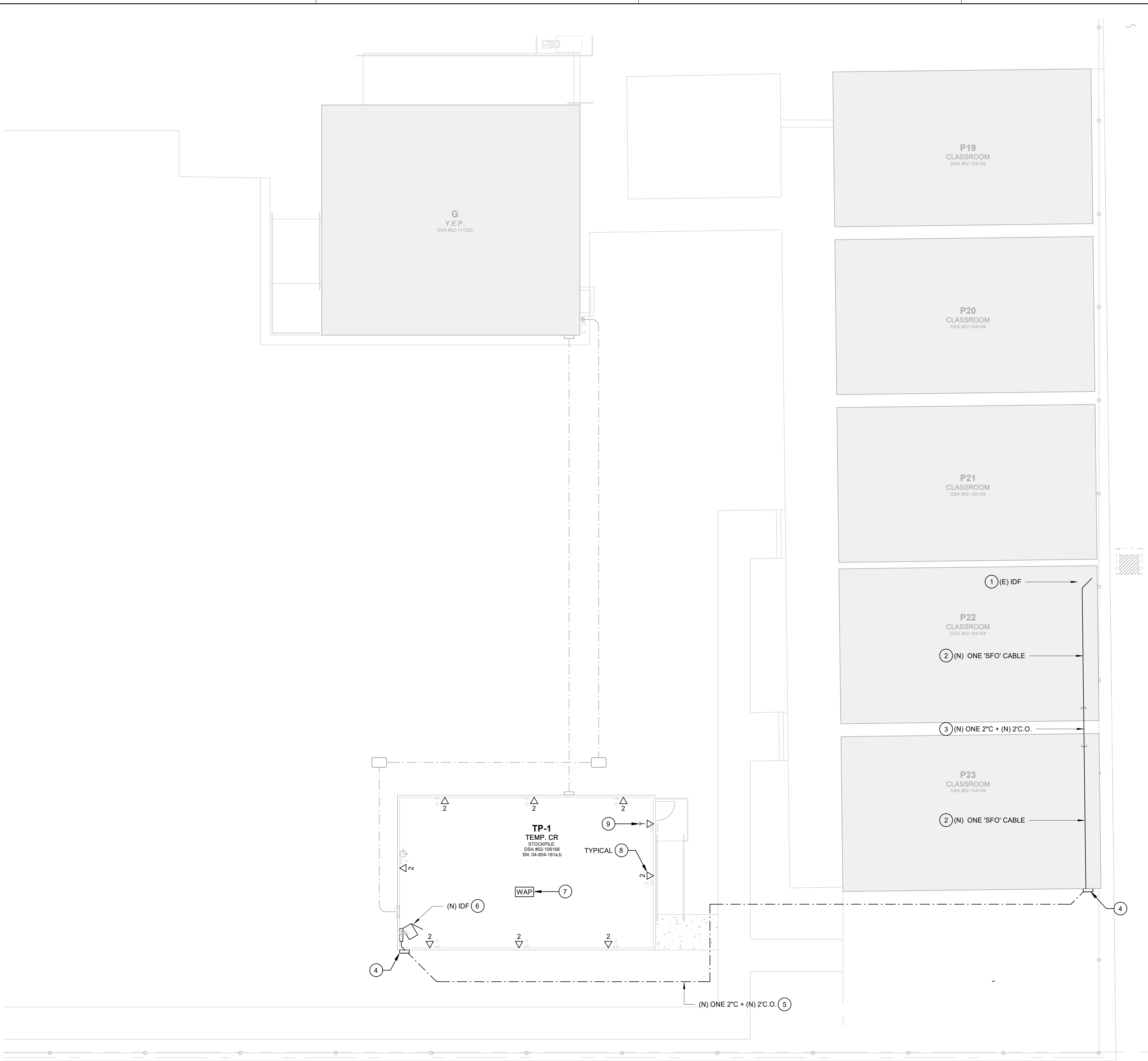
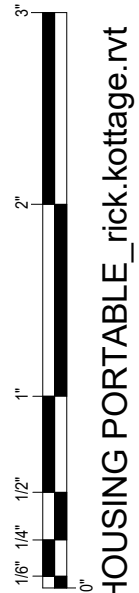
DRAWING TITLE  
ENLARGED POWER PLAN

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



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.

| MARK | DATE     | DESCRIPTION   |
|------|----------|---------------|
| A    | 06/02/25 | BID DOCUMENTS |



ENLARGED SIGNAL PLAN

1/8" = 1'-0"

1

## KEYNOTES

- 1 EXTEND FIBER OPTIC NETWORK TO (N) DOWNSTREAM IDF.
- 2 PROVIDE ONE (N) 'SFO' CABLE. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600.
- 3 PROVIDE ONE (N) 2'C SLEEVE WITH ONE 'SFO' CABLE. AND ONE (N) 2'C.O. SLEEVE BETWEEN RELOCATABLE BUILDINGS PER DETAIL 12/E600.
- 4 PROVIDE (N) 18"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, AND ONE SPARE). VERIFY EXACT LOCATION WITH OWNER AT SITE.
- 5 PROVIDE ONE (N) 2'C WITH ONE 'SFO' CABLE, AND ONE (N) 2'C.O. LINE BORE UNDER (E) CONCRETE SIDEWALK.
- 6 MOUNT (N) IDF CABINET HIGH ON WALL, BELOW CEILING PER DETAIL 13/E600. VERIFY EXACT LOCATION WITH OWNER.
- 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/E600.
- 8 PROVIDE TWO (2) NEW TYPE 'D' CABLES FROM (N) DATA OUTLET TO (N) IDF. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600.
- 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/E600.

## TELECOMMUNICATION CABLING NOTES

- 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.

## GENERAL NOTES

- A. TRENCH AND BACKFILL PER ARCHITECTURAL PLANS, SPECIFICATIONS, AND DETAIL 3/E600. 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.

PRE-ENGINEERED RELOCATABLE  
BUILDING AND ASSOCIATED SITE WORK  
JOHN MUIR ELEMENTARY SCHOOL  
MERCED, CA

PROJECT NO.

25-13265

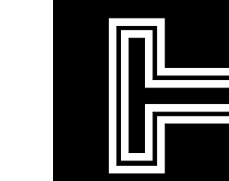
DRAWING

E400

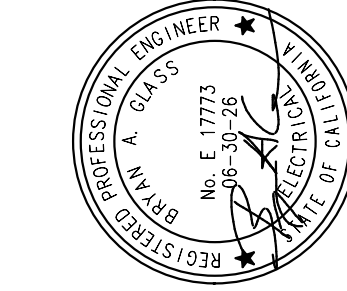
DRAWING TITLE

ENLARGED SIGNAL PLAN

**TETER, INC.**  
FRESNO HEADQUARTERS  
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

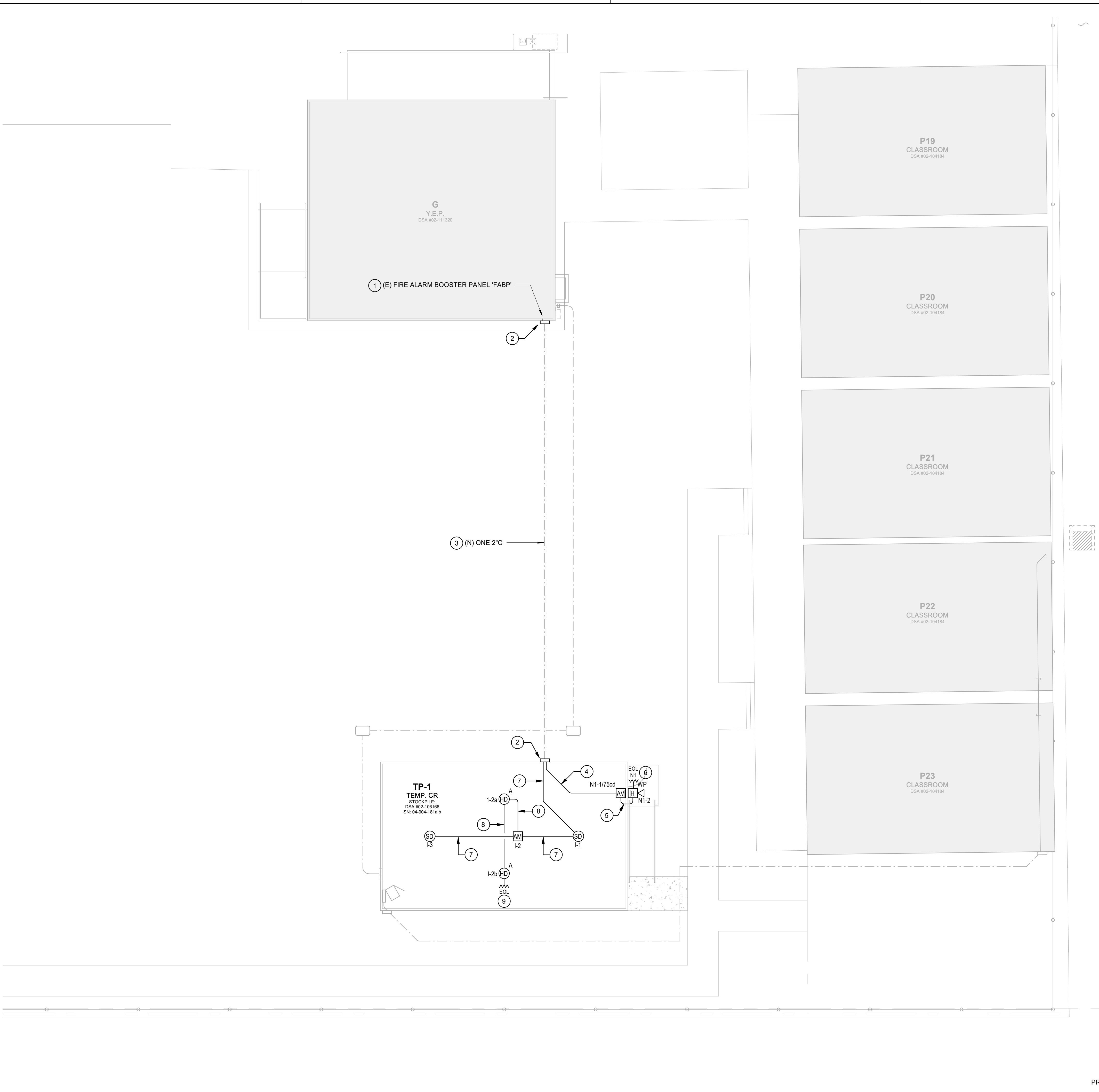


ARCHITECTS ENGINEERS CONNECTED



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.

| MARK | DATE     | DESCRIPTION   |
|------|----------|---------------|
| A    | 06/02/25 | BID DOCUMENTS |



ENLARGED FIRE ALARM PLAN

1/8" = 1'-0"

1

## KEYNOTES

- 1 (E) FIRE ALARM BOOSTER PANEL 'FABP' (INSTALLED PER DSA APPROVED PLANS (DSA APPL No. 02-111320), PICK UP (E) FIRE ALARM SIGNALING LINE CIRCUIT, AND (N) NOTIFICATION APPLIANCE CIRCUIT, AND EXTEND TO (N) RELOCATABLE CLASSROOM BUILDING PER FIRE ALARM RISER DIAGRAM 3/E710.
- 2 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.
- 3 PROVIDE ONE (N) 2"C WITH ONE 'FAS' CABLE AND ONE 'FNS' CABLE.
- 4 PROVIDE ONE (N) 'FN' CABLE PER FIRE ALARM RISER DIAGRAM 3/E710. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600, AND IN (E) CONDUIT CONCEALED IN WALL.
- 5 PROVIDE ONE (N) 'FN' CABLE PER FIRE ALARM RISER DIAGRAM 3/E710. RUN IN (E) CONDUIT CONCEALED IN WALL.
- 6 PROVIDE 'END-OF-LINE' RESISTOR AT LAST VISUAL NOTIFICATION APPLIANCE ON NAC #N1.
- 7 PROVIDE ONE (N) 'FA' CABLE PER FIRE ALARM RISER DIAGRAM 3/E710. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600.
- 8 PROVIDE 2 #14 CU THWN PER FIRE ALARM RISER DIAGRAM 3/E710. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600.
- 9 PROVIDE 'END-OF-LINE' RESISTOR AT CONVENTIONAL INITIATION DEVICE.

## FIRE ALARM SYSTEM INSTALLATION NOTES

- A. 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.
- B. ALL DRAWINGS ARE DIAGRAMMATIC ONLY, AND SHALL NOT BE USED IN DETERMINING ACTUAL CONDUIT ROUTINGS. THE CONTRACTOR SHALL VERIFY ALL CONDUIT ROUTING CONDITIONS AT THE PROJECT SITE AS CONSTRUCTION PROGRESSES.
- C. 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.
- D. 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.
- E. 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.
- F. CONTRACTOR SHALL SYNCHRONIZE TWO OR MORE STROBES IN ONE ROOM AND TWO OR MORE SPEAKERS WITHIN HEARING OF EACH OTHER.
- G. 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

- A. TRENCH AND BACKFILL PER ARCHITECTURAL PLANS, SPECIFICATIONS, AND DETAIL 3/E600. 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.

PRE-ENGINEERED RELOCATABLE  
BUILDING AND ASSOCIATED SITE WORK  
JOHN MUIR ELEMENTARY SCHOOL  
MERCED, CA

PROJECT NO.

25-13265

DRAWING

E500

DRAWING TITLE

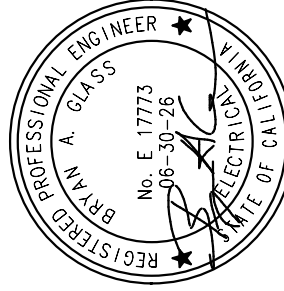
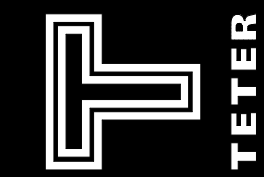
ENLARGED FIRE ALARM PLAN

**TETER, INC.**

FRESNO HEADQUARTERS

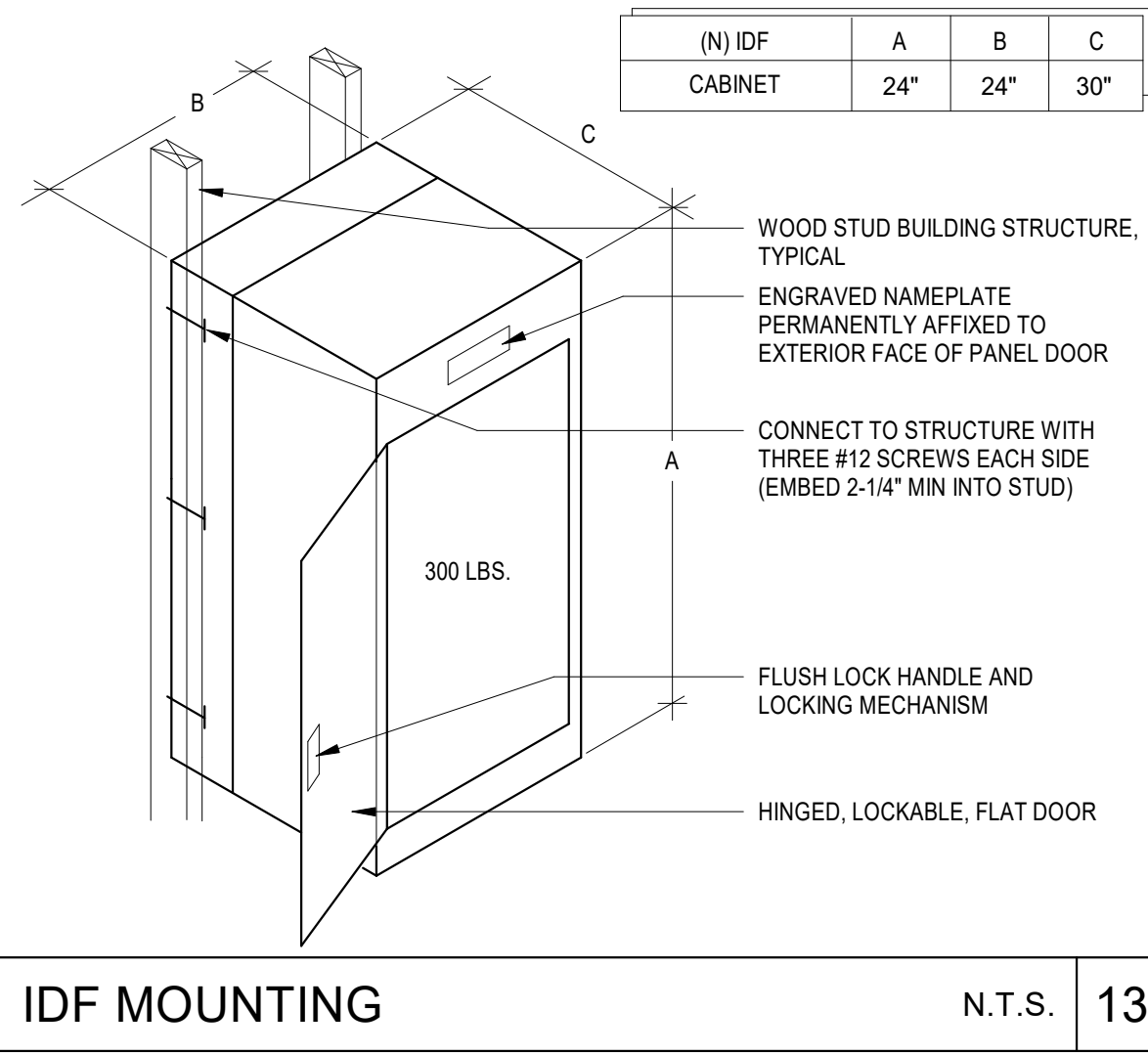
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

ARCHITECTS ENGINEERS CONNECTED

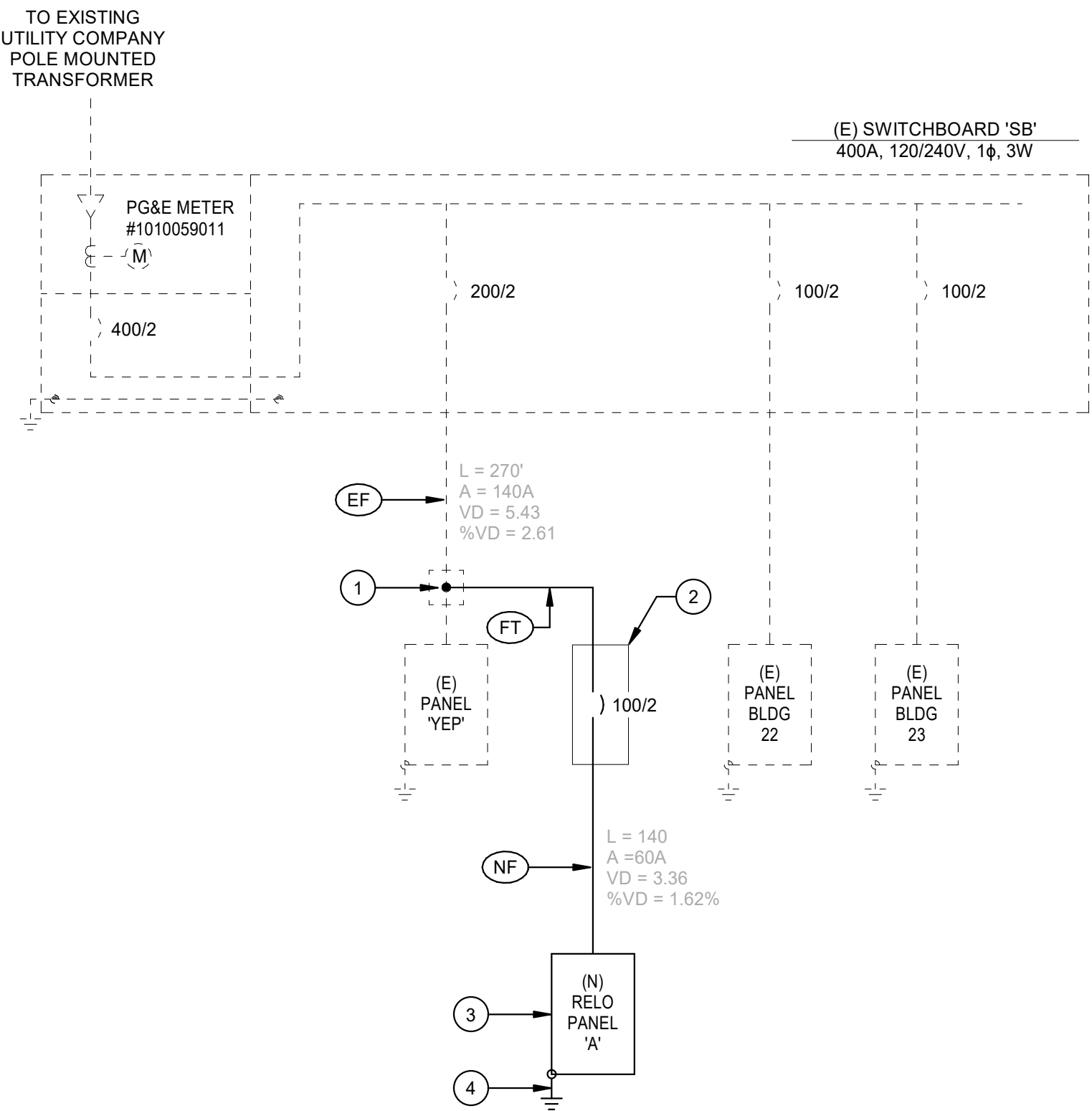


Teter, Inc. expressly reserves its common law copyright and other property rights in these plans. This document, the ideas and designs incorporated herein, as an instrument of professional service, is not to be used for any other project without prior written authorization.

| MARK | DATE     | DESCRIPTION   |
|------|----------|---------------|
| A    | 06/02/25 | BID DOCUMENTS |



IDF MOUNTING N.T.S. 13



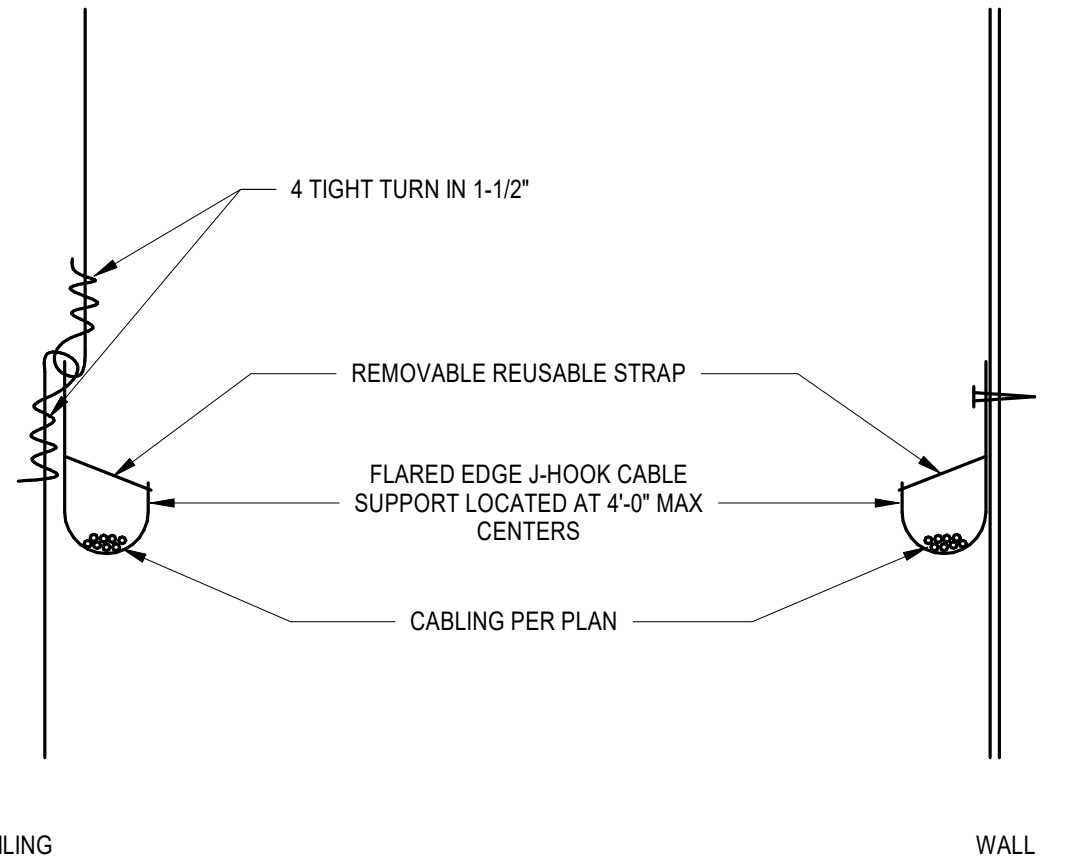
## KEYNOTES

- 1 TAP (E) FEEDER INSIDE (E) SCREW COVER CAN ON EXTERIOR BUILDING WALL, BEHIND (E) PANEL 'YEP'.
- 2 PROVIDE (N) 100A, 2-POLE, 10 KAIC, NEMA 3R ENCLOSED CIRCUIT BREAKER ON EXTERIOR BUILDING WALL AT (E) RELOCATABLE BUILDING.
- 3 CONNECT PANEL AT (N) RELOCATABLE BUILDING.
- 4 PROVIDE SYSTEM GROUND FACILITIES PER DETAILS 7/E600 AND 8/E600.

| FEEDER SCHEDULE |                                   |                              |         |                           |                         |                |
|-----------------|-----------------------------------|------------------------------|---------|---------------------------|-------------------------|----------------|
| FEEDER          | ORIGIN                            | DESTINATION                  | CONDUIT | CONDUCTORS                | CALCULATED VOLTAGE DROP | REMARKS        |
| (EF)            | (E) SWITCHBOARD 'SB'              | (E) PANEL 'YEP'              | 2"C     | 3#4/0 CU THWN, 1#2 CU GND | 2.51%                   | (E) FEEDER     |
| (FT)            | (N) FEEDER TAP AT (E) PANEL 'YEP' | (N) ENCLOSED CIRCUIT BREAKER | 2"C     | 3#4/0 CU THWN, 1#2 CU GND | NA                      | (N) FEEDER TAP |
| (NF)            | (N) ENCLOSED CIRCUIT BREAKER      | (N) RELO. BLDG. PANEL 'A'    | 2"C     | 3#2 CU THWN, 1#6 CU GND   | 1.62%                   | (N) FEEDER     |

## SINGLE LINE DIAGRAM

N.T.S. 2

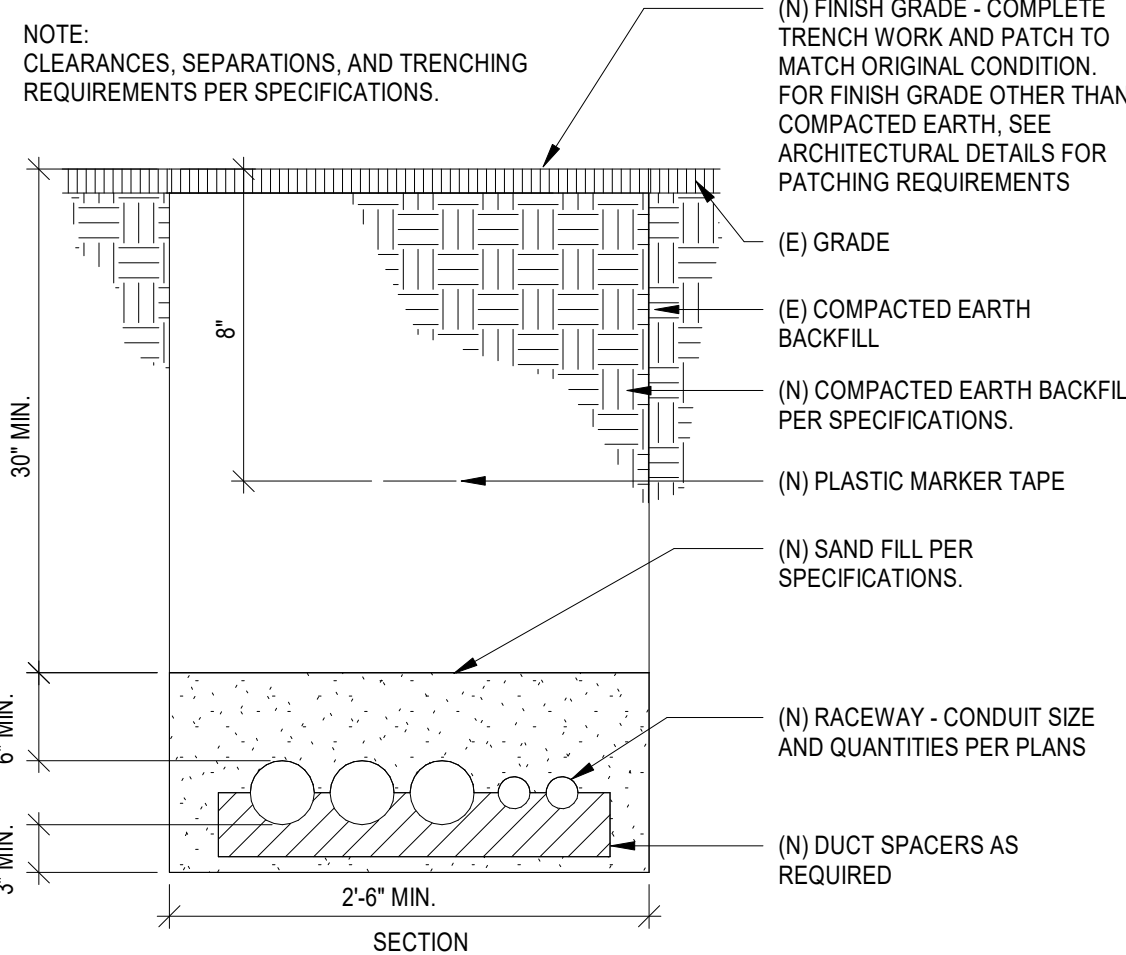


## J-HOOK MOUNTING

N.T.S. 11

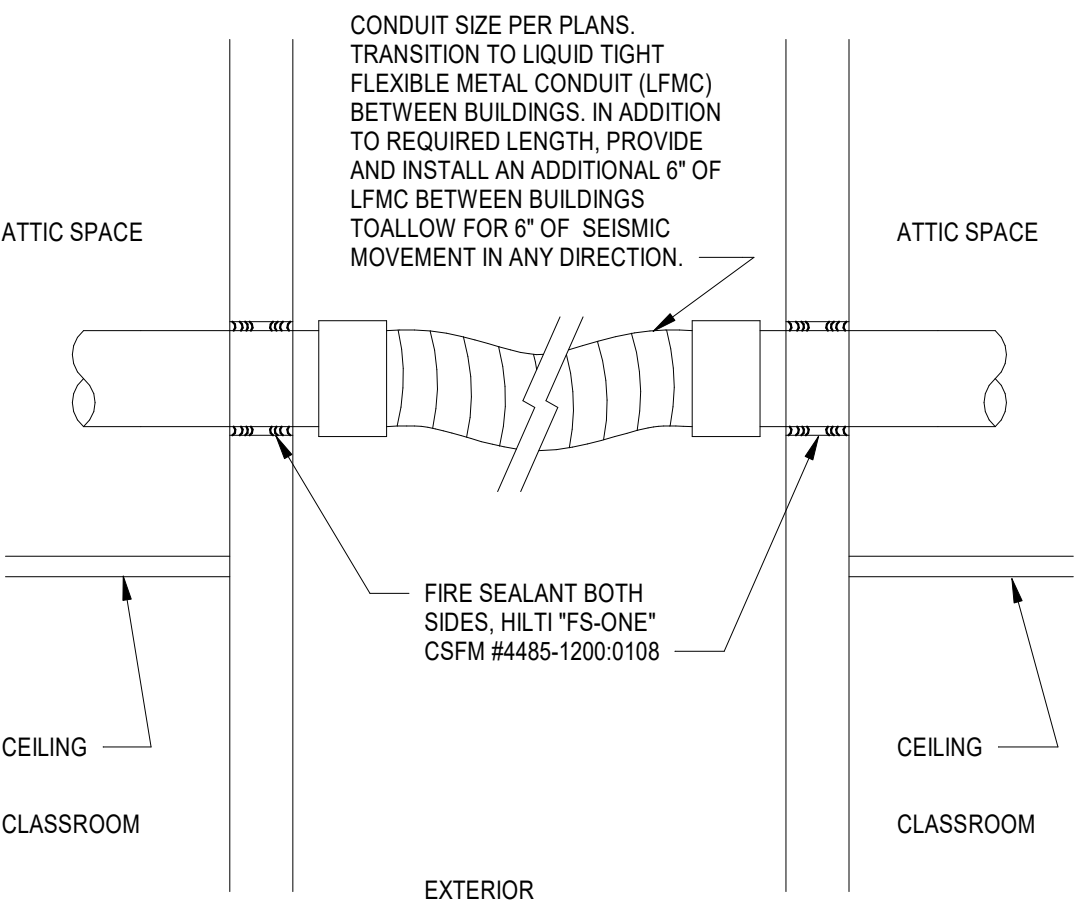
## NOTES:

1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL, AND TO METAL BUILDING FRAME (CEC 250.22). 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).
3. ALL MODULES OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING).
4. PROVIDE TWO GROUND RODS NOT LESS THAN 6' APART.
5. WHERE MODULAR BUILDINGS ARE INSTALLED ON CONCRETE FOUNDATIONS, A UFER GROUND SHALL BE INSTALLED IN THE FOOTING PER CEC 250.52(A) (3).
6. OTHER GROUNDING METHODS IDENTIFIED IN CEC 250 SHALL BE ACCEPTABLE MEANS TO ACHIEVE ADEQUATE GROUNDING OF METAL BUILDINGS IN COMPLIANCE WITH THE ABOVE.



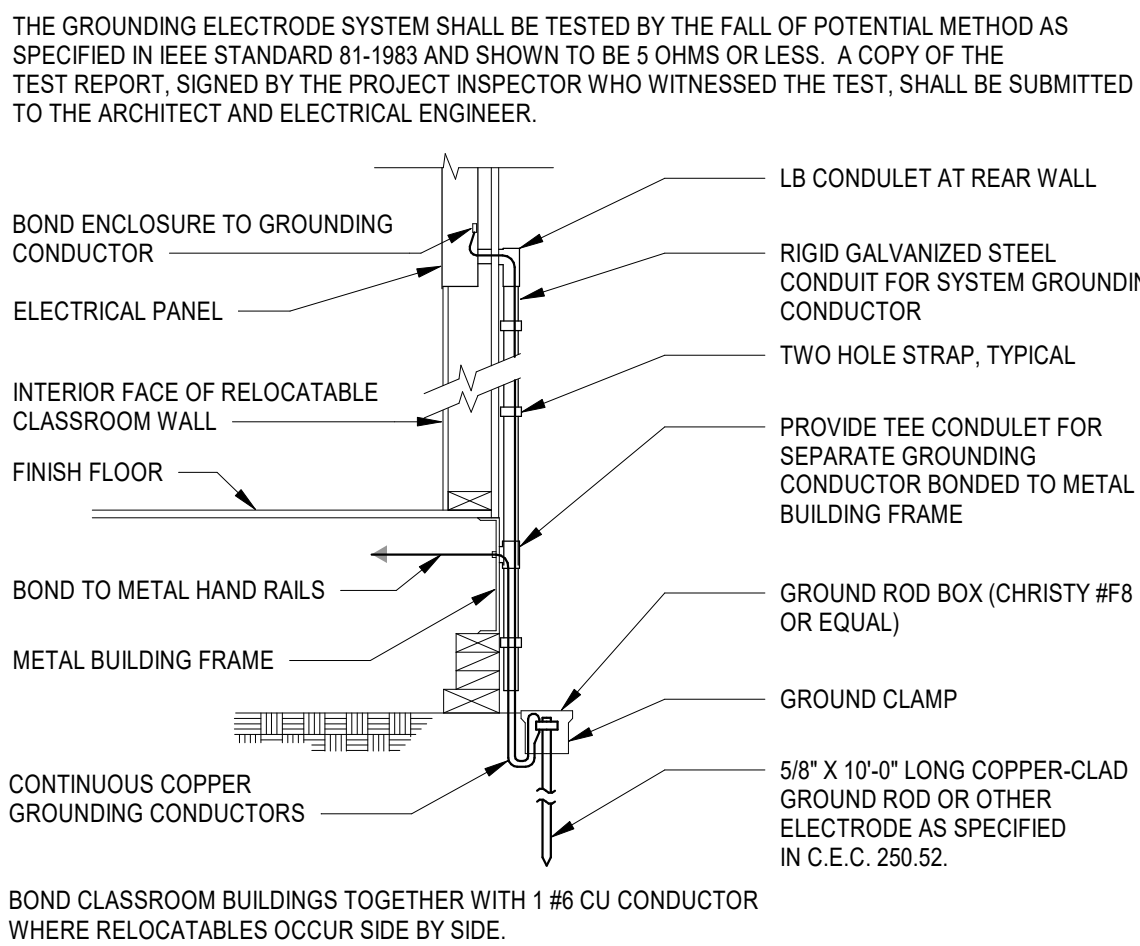
## TYPICAL TRENCH SECTION

N.T.S. 3



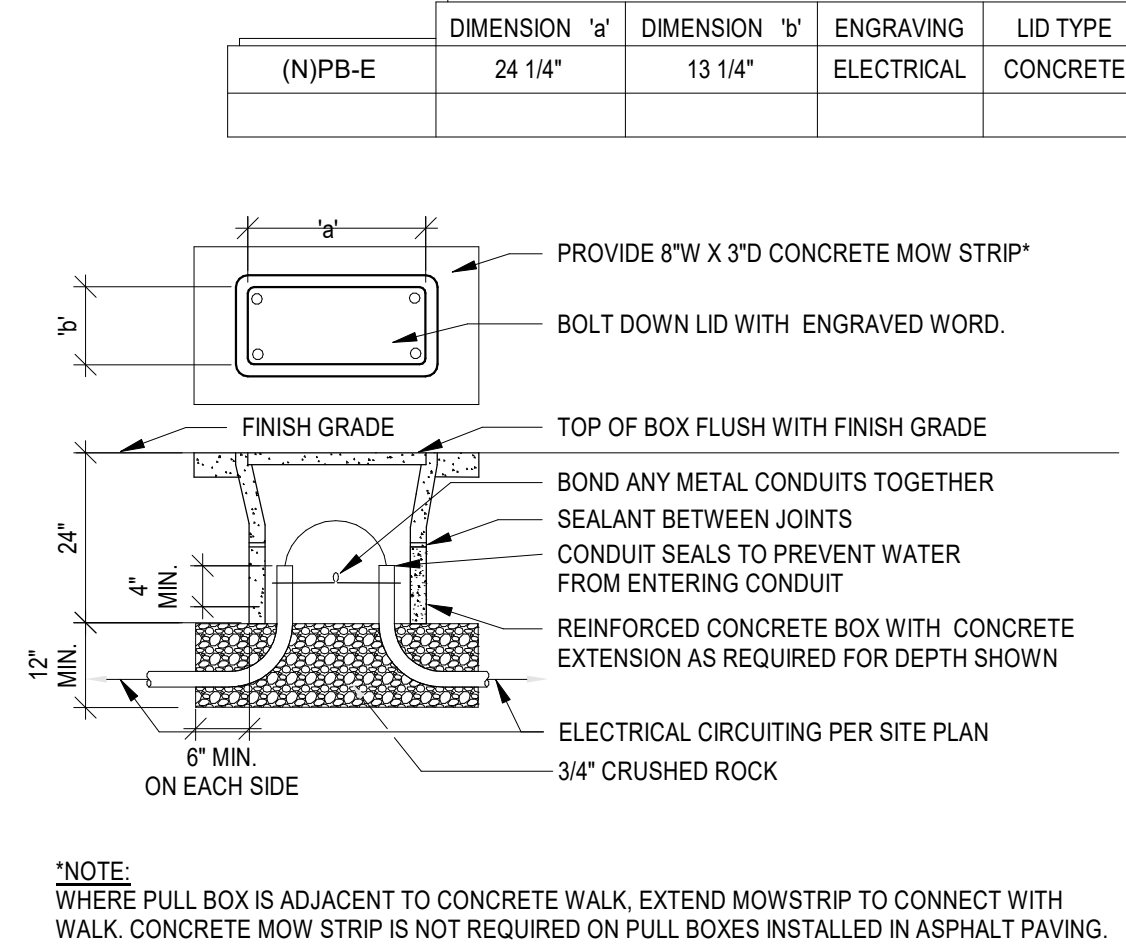
## CONDUIT BETWEEN ATTIC SPACES

N.T.S. 12



## RELOCATABLE BUILDING GROUND

N.T.S. 8



## U.G. PULL BOX

N.T.S. 4

PRE-ENGINEERED RELOCATABLE  
BUILDING AND ASSOCIATED SITE WORK  
JOHN MUIR ELEMENTARY SCHOOL  
MERCED, CA

PROJECT NO.

25-13265

DRAWING

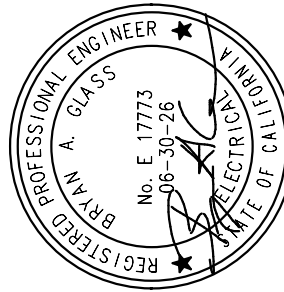
E600

DRAWING TITLE  
ELECTRICAL DETAILS

**TETER, INC.**

FRESNO HEADQUARTERS  
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

ARCHITECTS ENGINEERS CONNECTED



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.

| MARK | DATE     | DESCRIPTION   |
|------|----------|---------------|
| A    | 06/02/25 | BID DOCUMENTS |

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

1. UNDERGROUND AND EXTERIOR CONDUITS WILL HAVE WATERTIGHT FITTINGS. (CEC 110.11 AND CEC 300.6)

2. OUTLETS ON OPPOSITE SIDES OF A FIRE RATED WALL SHALL BE INSTALLED WITH A MINIMUM HORIZONTAL SPACING OF TWO FEET.

3. FIRE ALARM DEVICE MOUNTING HEIGHTS SHALL BE AS FOLLOWS:

a. 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)

b. 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)

c. 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)

4. 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)

5. 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)

6. 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)

7. EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM SHALL COMPLY WITH CBC 907.2.3 AND NFPA 72 24.4.2

8. 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)

9. 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)

10. 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

11. 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.

12. 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)

13. UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN PRESENCE OF A DSA PROJECT INSPECTOR.

FIRE ALARM NOTIFICATION SYSTEM NOTE

THIS PROJECT IS EXEMPT FROM EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM REQUIREMENTS PER DSA IR 9-1 2.3.1.

A. IT WILL BE ON THE CAMPUS FOR LESS THAN THREE YEARS.

B. THE BUILDING CONTAINS NOT MORE THAN ONE CLASSROOM WITH AN OCCUPANT LOAD OF 49 OR LESS AND HAS A MINIMUM SEPARATION OF 20 FEET FROM ANY ADJACENT BUILDING.

FIRE ALARM CODES AND NOTES

N.T.S.

20

FIRE ALARM SYSTEM EQUIPMENT LEGEND

| SYMBOL | DESCRIPTION                                                                                                                                    |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------|
| FACP   | EXISTING FIRE ALARM CONTROL PANEL 'FACP':<br>GAMEWELL-FCI #7100 SERIES W/AUTOMATIC CHARGING SYSTEM<br>C.S.F.M. #7165-1703.0105                 |
| FABP   | EXISTING FIRE ALARM BOOSTER PANEL 'FABP':<br>GAMEWELL-FCI #6PPS-9 W/ AUTOMATIC CHARGING SYSTEM<br>C.S.F.M. #7300-1703.0167                     |
| CR     | EXISTING ADDRESSABLE SUPERVISED CONTROL RELAY MODULE:<br>GAMEWELL-FCI #AOM-2SF<br>C.S.F.M. #7300-1703.0102                                     |
| AM     | NEW ADDRESSABLE MONITOR MODULE:<br>GAMEWELL-FCI #AMM-4F<br>C.S.F.M. #7300-1703.0102                                                            |
| A      | NEW CONVENTIONAL HEAT DETECTOR - 194° DEGREE FIXED TEMP. - IN ATTIC:<br>SYSTEM SENSOR #5604<br>C.S.F.M. #7270-1653.0167                        |
| SD     | NEW ADDRESSABLE SMOKE DETECTOR & BASE - ON CEILING:<br>GAMEWELL-FCI #ASD-PL2F / SYSTEM SENSOR #B501<br>C.S.F.M. #7272-1703.0121/7300-1653.0109 |
| AV     | NEW HORN/STROBE ANNUNCIATOR - WALL MOUNTED (XX REPRESENTS CANDELA):<br>SYSTEM SENSOR # P2R<br>C.S.F.M. #7125-1653.0188                         |
| H      | NEW WEATHERPROOF HORN - WALL MOUNTED, OUTDOOR:<br>SYSTEM SENSOR #HRK<br>C.S.F.M. #7138-1653.0189                                               |

FIRE ALARM LEGEND

N.T.S.

13

FIRE ALARM DEVICE ELEVATIONS

N.T.S.

9

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.

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 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.

11

FIRE ALARM SYSTEM BATTERY & VOLTAGE DROP CLACULATIONS

N.T.S.

4

NAC 1 VOLTAGE DROP CALCULATION

| QTY.                                                                                                                   | DEVICE | DESCR...                                 | ALARM CURRENT/ DEVICE | ALARM CURRENT |
|------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------------|-----------------------|---------------|
| 1                                                                                                                      | AV75   | HORN/STROBE (75cd), WALL MOUNTED         | 0.1650                | 0.1450        |
| 1                                                                                                                      | H      | EXTERIOR WEATHERPROOF HORN, WALL MOUNTED | 0.1650                | 0.1450        |
| TOTAL CURRENT ADDED TO CIRCUIT                                                                                         |        |                                          |                       | 0.330         |
| LENGTH OF WIRE FROM FACP TO LAST DEVICE (IN FEET) =                                                                    |        |                                          |                       | 125           |
| ACTUAL SIZE OF WIRE INSTALLED = 12 A... 6530 CIRCULAR...                                                               |        |                                          |                       |               |
| CALCULATED VOLTAGE DROP (IN VDC) =                                                                                     |        |                                          |                       | 0.136         |
| CIRCUIT VOLTAGE CALCULATED AT LAST DEVICE (IN VDC) =                                                                   |        |                                          |                       | 23.9 VDC      |
| PERCENT VOLTAGE DROP (%) =                                                                                             |        |                                          |                       | 0.57 %        |
| VOLTAGE DROP FORMULA:<br>VOLTAGE DROP = 2 X 10.8 x LENGTH OF CIRCUIT TO FARTHEST DEVICE x CURRENT<br>WIRE SIZE IN C.M. |        |                                          |                       |               |
| COMPUTED WITH TOTAL CURRENT ON CIRCUIT AT MAXIMUM LENGTH (CLASS A CIRCUIT).                                            |        |                                          |                       |               |

(E) FIRE ALARM BOOSTER PANEL 'FABP' BATTERY POWER CALCULATIONS

| QTY.                                                                          | DEVICE | DESCRIPTION                                        | STANDBY CURRENT/ DEVICE | STANDBY CURRENT | ALARM CURRENT/ DEVICE | ALARM CURRENT |
|-------------------------------------------------------------------------------|--------|----------------------------------------------------|-------------------------|-----------------|-----------------------|---------------|
| 1                                                                             | FABP   | FIRE ALARM BOOSTER PANEL                           | 0.07500                 | 0.07500         | 0.17500               | 0.17500       |
| 1                                                                             | AV75   | HORN/STROBE (75cd), WALL MOUNTED - NAC #1          | 0.00000                 | 0.00000         | 0.17600               | 0.17600       |
| 1                                                                             | H      | EXTERIOR WEATHERPROOF HORN, WALL MOUNTED - NAC #1  | 0.00000                 | 0.00000         | 0.06900               | 0.06900       |
| 0                                                                             | NA     | (E) NOTIFICATION APPLIANCE CIRCUIT NAC #2 (SPARE)  | 0.00000                 | 0.00000         | -----                 | 0.00000       |
| *                                                                             | *      | (E) NOTIFICATION APPLIANCE CIRCUIT NAC #3 (IN-USE) | 0.00000                 | 0.00000         | -----                 | 2.00000       |
| *                                                                             | *      | (E) NOTIFICATION APPLIANCE CIRCUIT NAC #4 (IN-USE) | 0.00000                 | 0.00000         | -----                 | 2.00000       |
| TOTALS                                                                        |        |                                                    |                         | 0.0750          |                       | 4.2400        |
| TOTAL ALARM AMP-HOURS (15 MIN.) = 0.25 HR x 4.240 A =                         |        |                                                    |                         |                 |                       | 1.1050 A-H    |
| TOTAL STANDBY AMP-HOURS (24 HRS) = 24 HR x 0.075 A =                          |        |                                                    |                         |                 |                       | 1.8000 A-H    |
| TOTAL REQUIRED AMP-HOURS =                                                    |        |                                                    |                         |                 |                       | 2.9050 A-H    |
| TOTAL DESIGN AMP-HOURS WITH 25% SAFETY FACTOR =                               |        |                                                    |                         |                 |                       | 3.6313 A-H    |
| BATTERY CAPACITY REQUIREMENT                                                  |        |                                                    |                         |                 |                       | 7.000 A-H     |
| * EXISTING NOTIFICATION APPLIANCES (CIRCUIT LOAD CALCULATED AT FULL CAPACITY) |        |                                                    |                         |                 |                       |               |

(E) FIRE ALARM CONTROL PANEL BATTERY CALCULATIONS

| QTY.                                                  | DEVICE | DESCRIPTION                                       | STANDBY CURRENT/ DEVICE | STANDBY CURRENT | ALARM CURRENT/ DEVICE | ALARM CURRENT |
|-------------------------------------------------------|--------|---------------------------------------------------|-------------------------|-----------------|-----------------------|---------------|
| EXISTING DEVICES                                      |        |                                                   |                         |                 |                       |               |
| 1                                                     | 7100   | Gamewell-FCI #7100-2D FACP w/ DACT                | 0.08500                 | 0.08500         | 0.10500               | 0.10500       |
| 36                                                    | SD     | Gamewell-FCI #ASD-PL2F Addressable Smoke Detector | 0.00030                 | 0.01080         | 0.00650               | 0.23400       |
| 18                                                    | HD     | Gamewell-FCI #ATD-HL2 Addressable Heat Detector   | 0.00030                 | 0.00540         | 0.00650               | 0.11700       |
| 4                                                     | HD     | Gamewell-FCI #ATD-L2 Addressable Heat Detector    | 0.00030                 | 0.00120         | 0.00650               | 0.02600       |
| 2                                                     | CC     | Gamewell-FCI #AOM-2S Addressable Output Module    | 0.00038                 | 0.00075         | 0.00650               | 0.01300       |
| NEW INITIATION DEVICES                                |        |                                                   |                         |                 |                       |               |
| 2                                                     | SD     | Gamewell-FCI #ASD-PL2F Addressable Smoke Detector | 0.00030                 | 0.00060         | 0.00650               | 0.01300       |
| 2                                                     | HD     | System Sensor #5604                               | 0.00000                 | 0.00000         | 0.00000               | 0.00000       |
| 1                                                     | AM     | Gamewell-FCI #AMM-4F Addressable Monitor Module   | 0.00038                 | 0.00038         | 0.00650               | 0.00650       |
| 1                                                     | CR     | Gamewell-FCI #AOM-2SF Addressable Output Module   | 0.00038                 | 0.00038         | 0.00650               | 0.00650       |
| TOTALS                                                |        |                                                   |                         | 0.1045          |                       | 0.5210        |
| TOTAL ALARM AMP-HOURS (15 MIN.... 0.25 HR x 0.521 A = |        |                                                   |                         |                 |                       | 0.1303 A-H    |
| TOTAL STANDBY AMP-HOURS (24 HR... 24 HR x 0.105 A =   |        |                                                   |                         |                 |                       | 2.5080 A-H    |
| TOTAL REQUIRED AMP-HOURS =                            |        |                                                   |                         |                 |                       | 2.6383 A-H    |
| TOTAL DESIGN AMP-HOURS WITH 25% SAFETY FACTOR =       |        |                                                   |                         |                 |                       | 3.2978 A-H    |
| EXISTING BATTERY CAPACITY                             |        |                                                   |                         |                 |                       | 7.000 A-H     |

TETER, INC.

FRESNO HEADQUARTERS  
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

ARCHITECTS ENGINEERS CONNECTED

PRE-ENGINEERED RELOCATABLE BUILDING AND ASSOCIATED SITE WORK  
JOHN MUIR ELEMENTARY SCHOOL  
MERCED, CA

DRAWING TITLE  
FIRE ALARM RISER DIAGRAM & CALCULATIONS

PROJECT NO.  
25-13265

DRAWING  
E710

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.

MARK

DATE

DESCRIPTION

A

06/02/25

BID DOCUMENTS

[illegible]



American Modular Systems Inc.

# -24 X 40 RELOCATABLE CLASSROOMS

## WILLIAMS SCOTSMAN

### TEST AND INSPECTION LIST

TESTING LABORATORY: \_\_\_\_\_ DATE: \_\_\_\_\_  
NAME: 200 BUILDING STOCKPILE 24x40'S 04-904-120 THRU 04-904-319  
DISTRICT/OWNER: WILLIAMS SCOTSMAN  
DIVISION-FILE NO. 39-0 APPLICATION NO. \_\_\_\_\_  
ARCHITECT: JOHN H. LAWDER  
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-<br>CRETE | SUNITE | GROUT | MORTAR |
|-------------------------------------------------|---------------|--------|-------|--------|
| Fill material, acceptance tests                 |               |        |       |        |
| Composition control, asthous                    |               |        |       |        |
| Composition tests only as ordered               |               |        |       |        |
| Bearing capacity of compacted fill              |               |        |       |        |
| REINFORCING STEEL                               |               |        |       |        |
| Sample and test bar steel                       |               |        |       |        |
| Sample and test mesh                            |               |        |       |        |
| Inspect placing of job                          |               |        |       |        |
| STRUCTURAL STEEL                                |               |        |       |        |
| Sample and test as detailed below               |               |        |       |        |
| Shop fabrication inspection                     |               |        |       |        |
| Field erection inspection                       |               |        |       |        |
| Inspection of welds - Shop                      |               |        |       |        |
| Inspection of welds - Field                     |               |        |       |        |
| Inspection of riveting or bolting - Shop        |               |        |       |        |
| Inspection of riveting or bolting - Field       |               |        |       |        |
| Sample and test high strength bolts and washers |               |        |       |        |
| Reactivity tests                                |               |        |       |        |
| Volume change                                   |               |        |       |        |
| 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        |               |        |       |        |

| SUITABILITY TESTS        | CONCRETE<br>MATERIALS | SUNITE | MORTAR | GROUT |
|--------------------------|-----------------------|--------|--------|-------|
| Sodium sulphate          |                       |        |        |       |
| Structural strength      |                       |        |        |       |
| Los Angeles rotter       |                       |        |        |       |
| Clay (hydrometer method) |                       |        |        |       |
| Reactivity tests         |                       |        |        |       |
| Volume change            |                       |        |        |       |

| MIX DESIGNS: CONCRETE, GROUT, MORTAR OR SUNITE | MATERIAL | MAXIMUM SIZE | 28 DAYS<br>COMPRESSIVE STRENGTH, PSI, MINIMUM |
|------------------------------------------------|----------|--------------|-----------------------------------------------|
| CONCRETE                                       | 1 1/2"   | 2500         |                                               |
| CONCRETE                                       | 1 1/2"   | 3500         |                                               |

3 1/2" x 3 1/2" x 1/4" SQ. COL.  
C7X9.8  
10 ga. & 12 ga. ROOF CEE  
6 7/8" x 14 GA. FL. JOISTS  
6 7/8" x 12 ga. ALT. FL. JOIST  
4"x12 ga. ALT. ROOF JOIST

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 2231.A.1

3 1/2" x 10 ga. ALT. ROOF JOIST  
2"x16" ga. STRAPS  
3"x18" ga. ALT. 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 AND SPECIFICATIONS  
1 FLOOR PLAN & NOTES  
2 EXTERIOR ELEVATIONS  
3 CEILING GRID, DETAILS AND NOTES  
4 INTERIOR ELEVATIONS AND OPTIONS  
S1 WOOD FOUNDATION PLAN & DETAILS  
50 PSF FLOOR LIVE LOAD  
S4D CONCRETE FOUNDATION PLANS  
50 PSF FLOOR LIVE LOAD & 100 PSF LIVE LOAD  
SIF CONCRETE FOUNDATION DETAILS  
S2 FLOOR FRAMING PLAN AND DETAILS  
S2A BUILDING SECTIONS AND WALL DETAILS  
S3 ROOF FRAMING PLANS AND DETAILS  
S3A ROOF SECTIONS & DETAILS  
S4 WALL FRAMING ELEVATIONS & FRAME DETAILS  
S5R RAMP PLAN, ELEVATIONS AND DETAILS  
M1 MECHANICAL PLAN & NOTES  
M2 ENERGY MANDATORY MEASURES  
E1 ELECTRICAL PLAN & NOTES

**WILLSCOT**  
FROM STOCKPILE TO SITE SPECIFIC  
RELOCATION PACKAGE FOR  
MERCED CITY SD  
**MUIR ES**  
(x1) R.H. 24x40 CLASSROOM BLDG  
SNS: 04-904-181

### BUILDING DATA

#### CLASSROOMS

#### SERIAL NO.s THRU

OCCUPANCY E-1/B → B OCCUPANCY USES TO MEET THE REQUIREMENTS OF CBC TABLE 3-A AND CBC TABLE 5-A  
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)  
THIS STRUCTURE IS DESIGNED TO SUPPORT A FIRE SPRINKLER SYSTEM  
RAMP LIVE LOAD 100 LBS/SQ FT  
BUILDING AREA 960 SQ FT  
CLIMATE ZONES 1-16  
2001 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)  
2001 CALIFORNIA BUILDING CODE, VOLUMES 1, 2 AND 3 (PART 2, TITLE 24, CCR)  
(1997 EDITION UNIFORM BUILDING CODE WITH 2001 CALIFORNIA AMENDMENTS)  
2001 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR)  
(1999 EDITION NATIONAL ELECTRICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)  
2001 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR)  
(2000 EDITION IAPMO UNIFORM MECHANICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)  
2001 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR)  
(2000 EDITION IAPMO UNIFORM PLUMBING CODE WITH 2001 CALIFORNIA AMENDMENTS)  
2001 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)  
2001 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE (PART 7, TITLE 24, CCR)  
2001 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)  
2001 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)  
NFPA 13, 1999 EDITION, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED  
NFPA 14, 2000 EDITION, INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS  
NFPA 24, 1995 EDITION, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES  
NFPA 72, 1999 EDITION, NATIONAL FIRE ALARM CODE, AS AMENDED  
MODULES MOMENT-RESISTANT  
SYSTEM (2) 12' X 40' MODULES  
FOUNDATION WOOD OR CONCRETE  
SEISMIC ZONE 4  
SEISMIC SOURCE A  
DISTANCE FROM SEISMIC SOURCE ≤ 2 KM  
SOIL TYPE S<sub>u</sub>



CBC 2001

FILE NO. 39-0

|                                                                                      |
|--------------------------------------------------------------------------------------|
| IDENTIFICATION STAMP<br>DIV. OF THE STATE ARCHITECT<br>OFFICE OF REGULATION SERVICES |
| 02-106166                                                                            |
| AC. 4 FLS. E.S. SS. 2/28                                                             |
| DATE 4/13/04 (Shirley Fox)                                                           |



American Modular Systems Inc.  
787 Spreckels Ave. Manteca, CA 95336  
(209)825-1921 Fax (209)825-7018  
americanmodular.com

BASED ON PC 02-104915

|                      |
|----------------------|
| JOB NO.              |
| DATE: MARCH 31, 2004 |
| SHEET NUMBER         |
| TS-1                 |
| BINDING ORDER 1      |

## GENERAL NOTES AND SPECIFICATIONS

### SECTION 1A GENERAL REQUIREMENTS

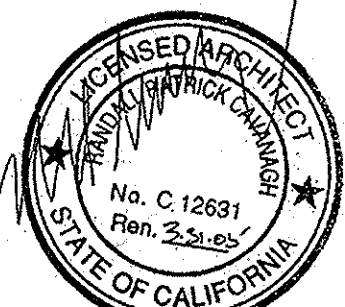
1. GENERAL
  - A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.
  - B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
- C. 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.
2. SCOPE OF WORK
  - A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
  - B. ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
    1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
    2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION, WELDING, MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
    3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
    4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
    5. CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
    7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
    8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
    9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
    10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT THE TIME OF DSA APPLICATION.
    11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
    12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
    13. THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE.
- FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.
14. ALL TESTS ANALYSES TO BE COMPLIED WITH BY DSA SHALL BE COMPLIED WITH ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

- FOUNDATION
  1. ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF.
  2. 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-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.
3. WORK NOT INCLUDED
  - A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
  - B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
  - C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV, TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.
  4. WHEELS AND HITCH
    - A. SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
  5. ACCESSIBILITY OF SITE
    - A. 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.

| TRIM/ FINISH NAILING                         |     |      |        |        |
|----------------------------------------------|-----|------|--------|--------|
| DESCRIPTION                                  | SET | SIZE | LENGTH | FINISH |
| SIDING                                       |     | .131 | 2 1/4" | GALV   |
| CASING, SILL & INT. CORNER TRIM              | X   | .169 | 1 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   |

24 X 40  
RELOCATABLE  
CLASSROOMS

**AMS**  
American Modular Systems Inc.  
787 Spreckels Ave. Manteca, CA 95336  
(209) 935-1921 Fax (209) 925-7018  
americanmodular.com



CUSTOMER:

## GENERAL NOTES AND SPECIFICATIONS

### SECTION 5 STEEL

- A. GENERAL - 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.
  - B. C90 SECT. 2213.4.1 SEE 1/54 WELDING - ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24, PART 2, CCR, SECTION 2231.A.5 WELDING ELECTRODE SHALL BE E70XX.
  1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 & A-570 GR.36, UNLESS OTHERWISE NOTED.
  2. PIPE COLUMNS SHALL CONFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.
  3. 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.
  4. STRUCTURAL WELDS ARE DESIGNED FOR TYP. ALLOWABLE STRESS UNLESS OTHERWISE NOTED.
- C. ERECTION - STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
- D. NAILS, BOLTS, SCREWS AND NUTS ETC.- FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
  1. BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CHARGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PILOT HOLE AND REAM MIN. 1/16" TO CORRECT SIZE. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER.
- E. HANDRAILS - FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.
- F. SHOP PAINT
  1. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
  2. NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
  3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS. PRIME ALL EXPOSED STEEL SURFACES AFTER FIELD WELDING.

### SECTION 6A CARPENTRY

1. SCOPE OF WORK
  - A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.
2. MATERIALS
  1. 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.
  - NOTE: MSR 1650 E1.5 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 #3/4 OR HEM FIR #3/4 OR STD. & BET.
  - C. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH, DOUG FIR #2 PRESSURE TREATED IN ACCORDANCE WITH CBC 18B17. EACH PIECE SHALL BEAR AWP STAMP, LP-22 GROUND CONTACT, D.F.#2 ABOVE GROUND.
  - E. PLYWOOD ROOF DECKING - SEE S3.
  - F. PLYWOOD FLOOR DECKING - APA STURD-I-FLOOR 2-4-1 OR UNI-FLOOR BY PITTSBURGH TESTING LAB, 1-1/8" NOM. TONGUE AND GROOVE FLOOR SHEATHING, WITH EXTERIOR GLUE.
  - C. EXTERIOR SIDING/SHEATHING - APA TYPE 303, EXTERIOR OR HARDIPANEL FIBER CEMENT SIDING AS MFG. BY JAMES HARDIE BUILDING PRODUCTS NER-405 REPORT
  - H. MOISTURE BARRIER - KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, UDC STANDARD 14-1 FOR KRAFT, 15-1 FOR FELT.
  - J. STUDS - DOUG FIR #2 OR HEM FIR #2 MOISTURE CONTENT NOT OVER 19%.
  - K. FASTENERS - ALL NAILS SHALL BE CORROSION RESISTANT PER C.B.C. 2318A.3.4 COMMON NAILS-FOR EXT. SIDING & FNDN. ONLY.
  - L. BUILDING TRIM - 2X REAMN SELECT D.F., H.F. OR CEDAR
  - M. DOOR/WINDOW TRIM - 1X4 REAMN D.F., H.F., OR CEDAR.
  - N. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
  - O. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 708.
  - P. 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
    - A. FRAMING - SECURELY Nailed, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
    - B. NAILING - IN ACCORDANCE WITH TITLE 24, PART 2, CALIFORNIA BUILDING CODE, TABLE 234-11.5-1.
    - C. EXTERIOR WALLS - FACTORY FABRICATED, CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
    - D. MACHINE APPLIED NAILING:
      1. 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.
      2. 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.
    - E. MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.
    - F. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

### SECTION 7B SHEET METAL

1. SCOPE OF WORK
  - A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
2. MATERIALS
  - A. SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
  - B. SOLDER - OF STAND. GRADE "A" OF EQUAL PARTS ARD BRAND LEAD AND TIN ASTM B32.
  - C. FLUX - ZINC SATURATED MURIATIC ACID.
  - D. CUTTERS: 26 GA. G-90 GALV. STEEL.
  - DOWNSPUTS: 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.
3. WORKMANSHIP
  - A. 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

1. SCOPE OF WORK
  - A. 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.
2. MATERIALS
  - A. INTERLOCKING STEEL STL PANELS (090).
- B. ROOFING: CLASS B FIRE RATING

### SECTION 7J SEALANT

1. SCOPE OF WORK
  - A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.
2. MATERIALS
  - A. VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL, FOR ROOFS. "GEOTOL" SILICONEZED CAULK, GE DUPOIT, EQUAL OR OAP FOR ALL OTHER APPLICATIONS, OR EQUAL.
3. WORKMANSHIP
  - A. 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)

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

### ACCESSIBILITY STANDARDS

CALIFORNIA BUILDING CODE (PART 2, TITLE 24, COR) SEC. 1103B.1 BUILDING ACCESSIBILITY. GENERAL. THE 2001 CBC REQUIRES THAT BUILDINGS EXCEEDING 10,000 SQUARE FEET ON ANY FLOOR MUST HAVE AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR, OR LIFT WITHIN 200 FEET OF TRAVEL OF EACH STAIR AND EACH STAIR AND EACH ESCALATOR. TABLE 1110B-1 SUGGESTED DIMENSIONS FOR CHILDREN. THE 2001 CBC REQUIRES A 27" MINIMUM DIMENSION FOR LAVATORY/SINK KNEE CLEARANCE, WHICH IS THE DISTANCE FROM THE FINISH FLOOR TO THE UNDERSIDE OF THE LAVATORY/SINK. THE 1998 CBC INCORRECTLY SPECIFIED A 29" MAXIMUM DIMENSION FOR LAVATORY/SINK KNEE CLEARANCE. SECTION 1110B.1.1 (3) ACCESSIBLE WATER CLOSET COMPARTMENT. THE 2001 CBC REQUIRES AN ACCESSIBLE TOILET SHALL HAVE A MINIMUM WIDTH OF 60". THE 1998 CBC SPECIFIED A MINIMUM WIDTH BASED ON PRESCRIBED TOILET FIXTURE CLEARANCES TO THE STALL SIDEWALLS, AND GENERALLY RESULTED IN A MINIMUM STALL WIDTH OF 57". SECTION 1110B.6.2.4.1 WATER CONTROLS. THE 2001 CBC REQUIRES THAT THE FORCE TO OPERATE WATER CONTROL (VALVE) FOR AN ACCESSIBLE SHOWER SHALL NOT EXCEED 5 LBS. MAXIMUM FORCE (PULL). THE 1998 CBC DID NOT ADDRESS THIS ISSUE. Section 1117B.5 Signs and Identification (also refer to Sections 1003.2.8.1, 1003.2.8.2, 1003.2.8.4, 1003.2.8.5, & 1003.6.6, 1003.2.8.8.1, 1003.3.3.1.1, 1003.3.1.10). The 2001 CBC makes several general design changes and clarifications to signage from the 1998 CBC provisions: "All ground floor exit door shall have tactile exit signage." "At stairs, each floor shall receive tactile 'stair level' signage in addition to tactile tactile at the exit discharge level." "Each exit door that leads to a grade level exit by means of a stairway shall have tactile exit signage." "Each exit access door to a corridor or hallway that is required to have a visual exit sign shall be identified by tactile exit signage." Section 1120B.4 (1), (2), (3) Accessible Parking Required. The 2001 CBC requires the words "NO PARKING" in 12" height white letters, to be painted on the pavement within all parking space access aisles. When parking access aisles shall be placed on the passenger side of the vehicle. Ramps may not encroach into any required access aisle. Parking space access aisles shall not exceed 2% slope in any direction. "Elevating Sites: At existing sites, any ramp which exceeds a 2% access aisles for accessible parking spaces per CBCS Section 1120B, may require removal and redesign per the path of travel (POT) provisions of CBCS Section 1134B, in order to approve the building placement. Section 1135B.2.5 Closer Effort to Operate Doors. Section 1135B.2.5 Closer Effort to Operate Doors. The 2001 CBC requires that the effort to open an exterior door shall not exceed 5 pounds (pull). The 1998 CBC required a maximum pull effort of 8.5 pounds. Section 1135B.2.5 Door Closes. The 2001 CBC requires that the sweep period of accessible doors shall be 3 seconds maximum, based on an open door position of 70 degrees (from closed), to a door position of 3" from the latch. Sections 1135B.2.4.5 & 1135B.2.5 Recessed Doors. The 2001 CBC requires that sign edges less than 80" above the finished floor must contain rounded or eased radius of 0.125" minimum. California Building Standards Administrative Code (Part 1, Title 24, COR) Sections 1102A.3-C, 1107A.4, Chapter 5, Articles 2, 3, & 4; California Building Code (Part 2, Title 24, COR) Sections 1102A.3-C, 1107A.4, 1102B, 1127B.5 (8), 1131B.4, 1138B.3, 1133B.8.4, 1133B.8.5). Detectable Warnings. The 2001 CBC requires that detectable warnings shall be evaluated and approved by DSA, and that only DSA-approved products shall be installed. Refer to the attached DSA Bulletin: Independent Entity Evaluation and Approval of Detectable Warnings and Directional Surfaces dated October 31, 2002. The project plans or specifications shall indicate the requirement that the manufacturer shall provide a written five-year product warranty, in accordance with the Bulletin.

### SECTION 8B HOLLOW METAL DOORS AND FRAMES

1. SCOPE OF WORK
  - A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
2. MATERIALS
  - A. DOORS - INSULATED TYPE I FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY, 18 GA. 1 3/4" THICK PER CS242 MIN. REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
  - B. FRAMES - 16 GA. OLD ROLLED, 2" FACES, CS242 MIN. 3. REINFORCE FOR HARDWARE, PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.
3. WORKMANSHIP
  - A. ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARP, FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HURLINE 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.

### FINISH HARDWARE

SEE SHEET 1

### SECTION 9E PAINTING

1. SCOPE OF WORK
  - A. 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.
2. MATERIALS
  - A. FOR EXTERIOR WOOD:
 

| REF. BRAND | DUNN          | KELLY      | SHERWIN         | SINCLAIR |
|------------|---------------|------------|-----------------|----------|
| PRIMER     | EDWARDS 42-9M | MOORE 1240 | WILLIAMS Y24W20 | 289-N    |
| FINISH     | 00-60-XX      | 1240-XXX   | 854W102         | 022-NXX  |
  - B. FOR INTERIOR TRIM:
 

| REF. BRAND | DUNN            | KELLY         | SHERWIN         | SINCLAIR |
|------------|-----------------|---------------|-----------------|----------|
| PRIMER     | EDWARDS W450-XX | MOORE 1650-XX | WILLIAMS A26W11 | 40XX     |
  - C. FOR METAL:
 

| REF. BRAND | DUNN  | KELLY    | SHERWIN | SINCLAIR |
|------------|-------|----------|---------|----------|
| PRIMER     | 43-4  | 1710     | B50N26  | 15N      |
| FINISH     | 10-XX | 1700-XXX | 854W102 | 022-NXX  |
3. WORKMANSHIP
  - A. ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
  - B. 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.
  - C. INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
  - D. INTERIOR HARDWOOD CABINETS - TWO COATS OF OIL LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
  - E. METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKID FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
  - F. PAINT - ONE COAT OF FERROX NON-SLIP SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE, (0.7 MIN. CO.F.) ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-916-98A DATED JULY 1989. OR EQUAL.
- P. SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

### SECTION 13F SITE ASSEMBLY

1. SCOPE OF WORK
  - A. 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.
  - B. CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT, UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. ASSEMBLY OF ELEMENTS
  - A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT, (APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
  - B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
  - C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO 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

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

### INSPECTION

1. INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.
  1. IN-PLANT INSPECTION.
  2. ON-SITE INSPECTION.
- THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ALTERNATELY DONE BY THE SUPERVISOR 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 BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM 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 THIS EMPLOYEE'S EXPERIENCE.

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

### GENERAL DESIGN REQUIREMENTS:

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:

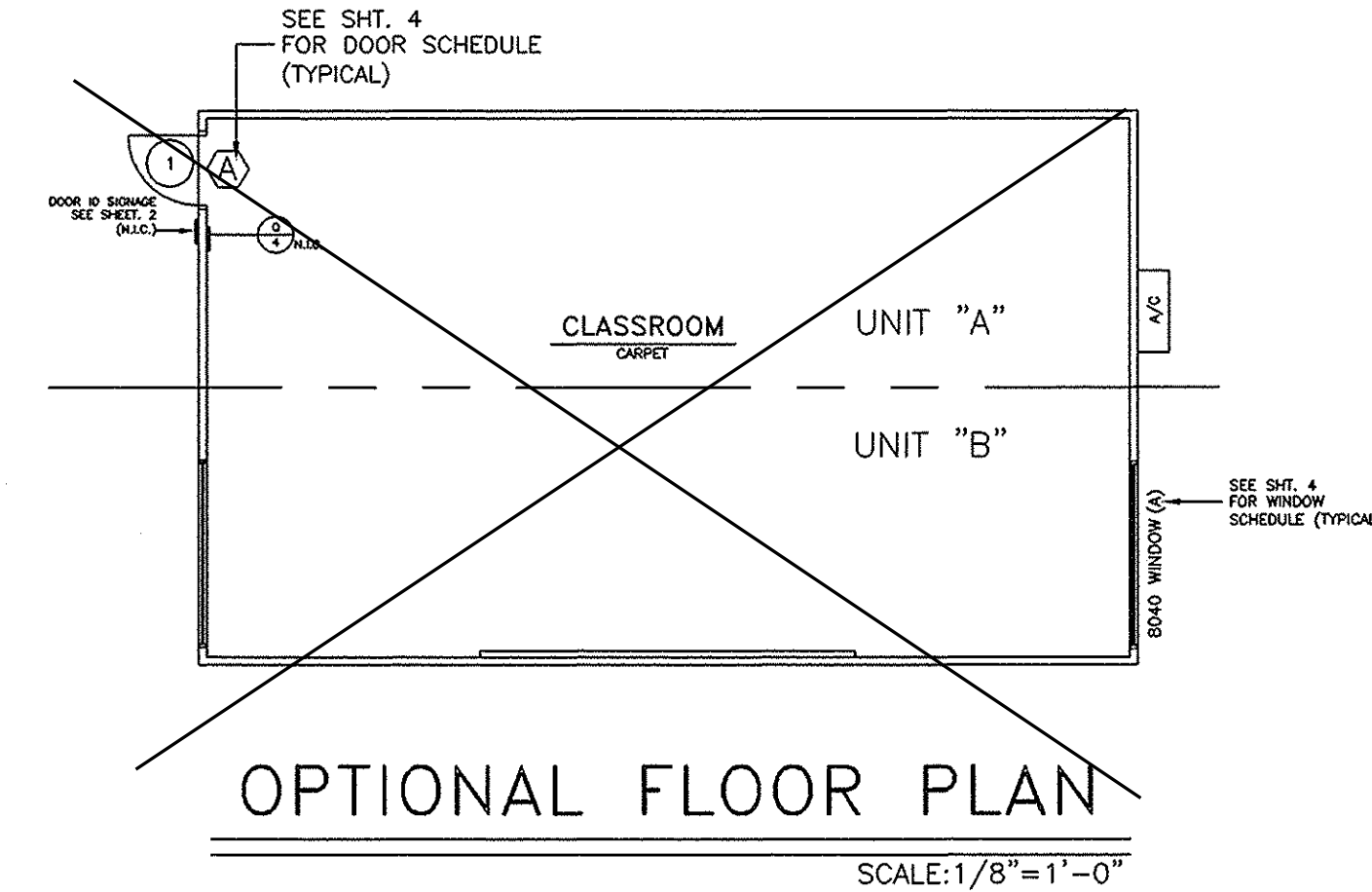
1. MANUFACTURER'S BUILDING NUMBER.
2. DESIGN WIND LOAD / EXPOSURE
3. DESIGN ROOF LIVE LOAD
4. DESIGN FLOOR LIVE LOAD
5. D.S.A. APPLICATION NUMBER.

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

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

EACH 12' X 40' MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION. 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 BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM 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.

FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A M



| DOOR HARDWARE SCHEDULE |                                                          |
|------------------------|----------------------------------------------------------|
| (A)                    | EXTERIOR DOOR LOCKSET<br>W/ LEVER KNOBES<br>SLUDGE 070PO |
| (B)                    | INTERIOR PASSAGE LOCK<br>SLUDGE AL10 W/ SATURN LEVER     |
| (C)                    | INTERIOR PRIVACY LATCH<br>SLUDGE A40S W/ SATURN LEVER    |

**MARKERBOARD SPECIFICATIONS**

Chalkboards(standard) shall have green facing sheet.  
Markerboards(except cast option)  
Markerboards shall be made of black melamine facing sheet suitable to accept dry erase felt markers. The facing sheet shall be laminated, using hot melt adhesive, to a medium density particle board having a minimum density of 45#/c. ft. The panel shall have a foil backing. The panels shall have extruded aluminum molding on the chalkboard side and a 1/8"-1 1/4" projection from the face of the panel. A full length rail shall be provided with cork insert and end stops. The rail may be attached to the panel or incorporate a channel to wrap around the panel. Three (3) hook mops, with clips, personnel shall be provided. One flag holder, 12" square, shall be provided for each classroom. Each classroom shall be 2 ea. x48 panels installed side by side to make a 48" x 144" panel, centered on the wall.  
Reference brand: Chaffield-Clarke Co. series 500, Attach directly to studs and blocking W/8x32" oval head wood screws @ 32" o.c. horizontally and @ 24" o.c. vertically.



FILE NO. \_\_\_\_\_

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

02-106166

AC. 1 FLS. BC SS. 21

DATE 04/13/04

PROJECT No.

SHEET No.

1

1:12 MAX SLOPE

HOLLOW METAL  
16 GA. DOOR  
FRAME

1 3/4" HOLLOW  
METAL DOOR

ALUMINUM  
THRESHOLD  
FLOOR  
SHEATHING

CARPET

1 1/4" MAX  
THRESHOLD

DOOR BOTTOM

TOP OF  
LANDING  
PLATFORM

#10X1 1/4" F.  
(3 TOTAL)

STEEL FLOOR  
CHANNEL

GALV.  
FLASHING

TYPICAL  
EXTERIOR DOOR SILL

4  
1

NO SCALE

FILLER

SIDING

SEALANT

1X4 TRIM

HEADER

7d @ 8" O.C. STGG'D

SEALANT

DOOR JAMB

1/8" THICK UNDERCOAT OR FILL W/ INSULATION

INTERIOR FINISH

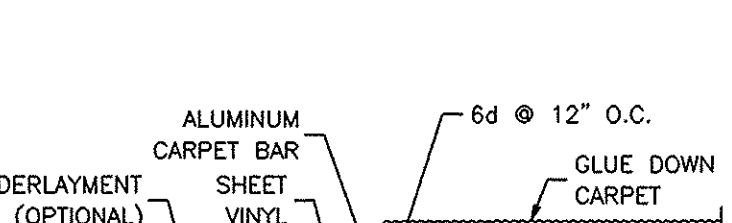
STD 16 GA. FRAME

TYPICAL EXTERIOR DOOR HEAD

NO SCALE

6  
1

NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.



A cross-sectional diagram of a flooring assembly. From bottom to top, the layers are: PLYWOOD FLOOR SHEATHING, UNDERLAYMENT (OPTIONAL), and a carpet assembly. The carpet assembly consists of GLUE DOWN CARPET, 6d @ 12" O.C. (nails), CARPET VINYL, CARPET BAR, and ALUMINUM. Labels with leader lines point to each component.

FLOORING DETAIL

NO SCALE

8  
1

CUSTOMER:  
WILLIAMS SCOTSMAN  
SERIAL NO.s #04-904-120 THRU 04-904-319

FLOOR PLAN &amp; NOTES

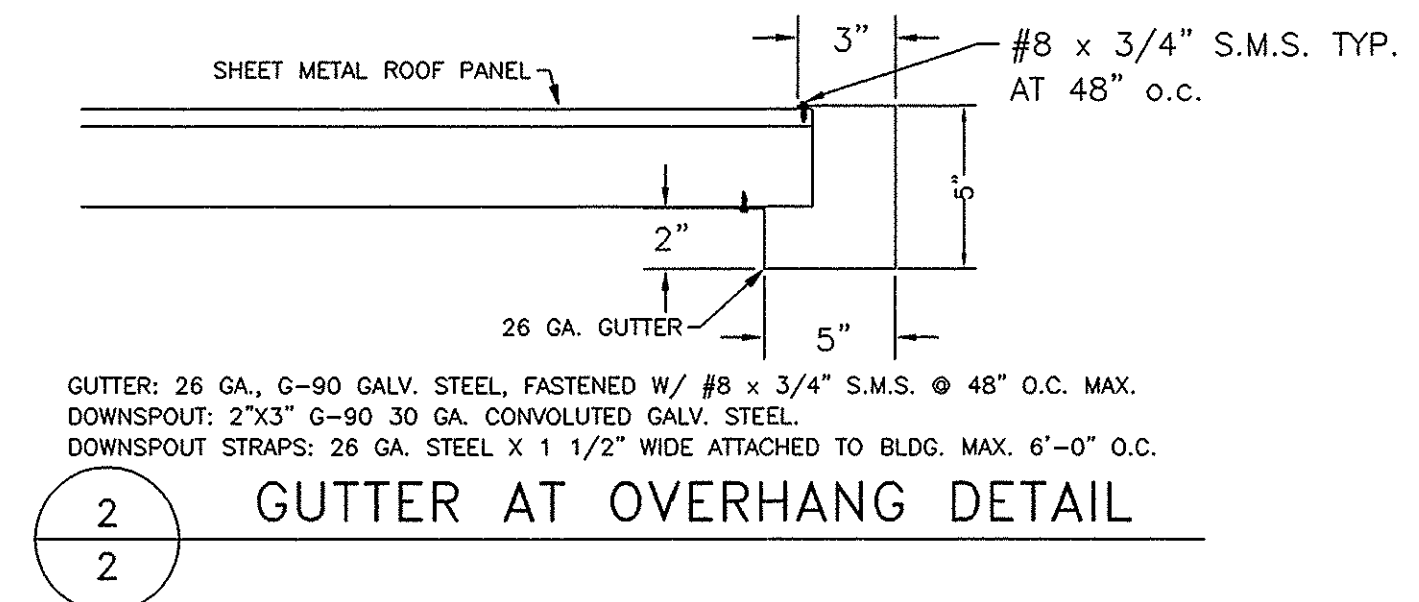
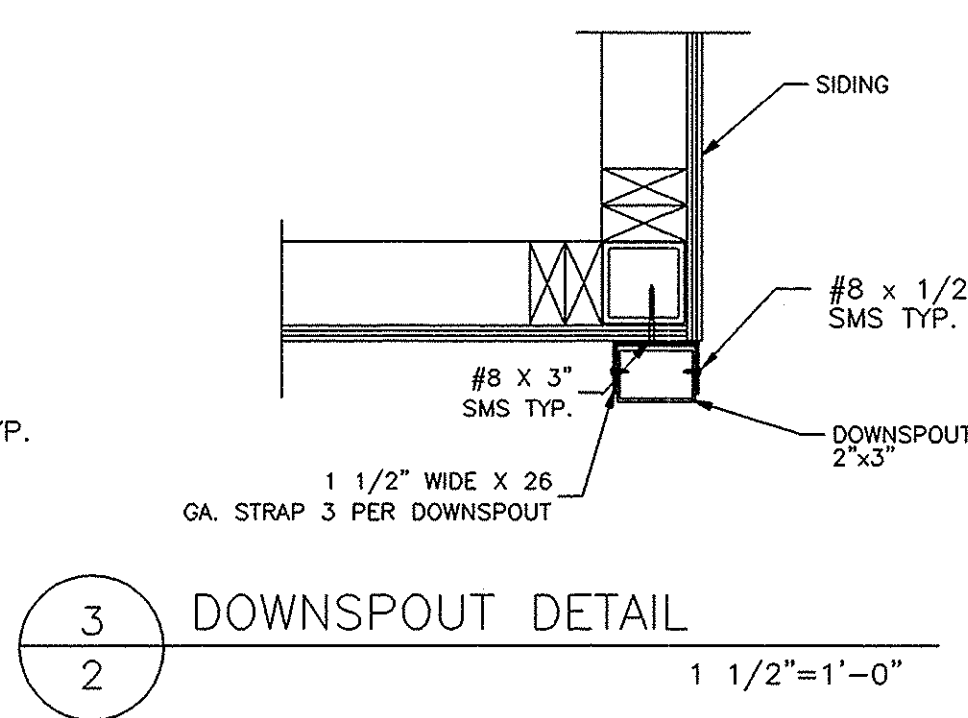
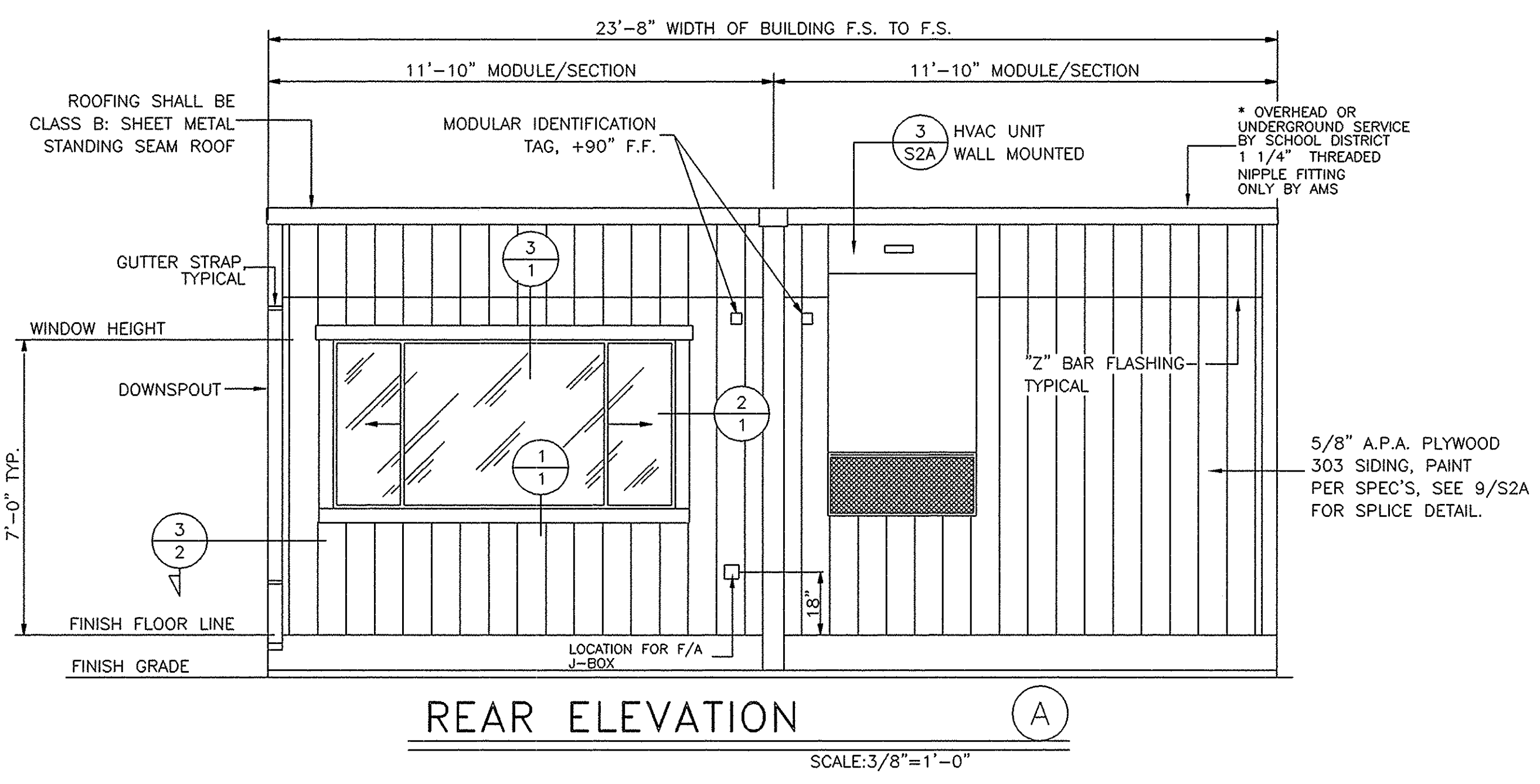
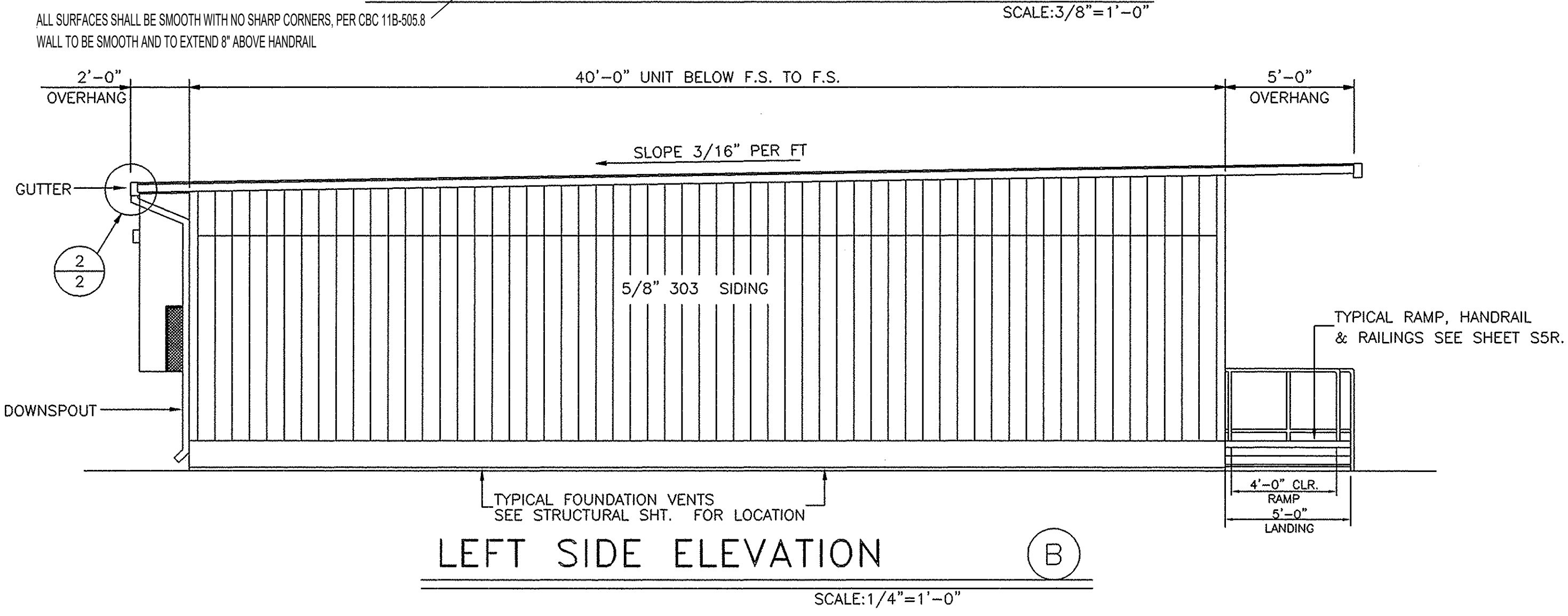
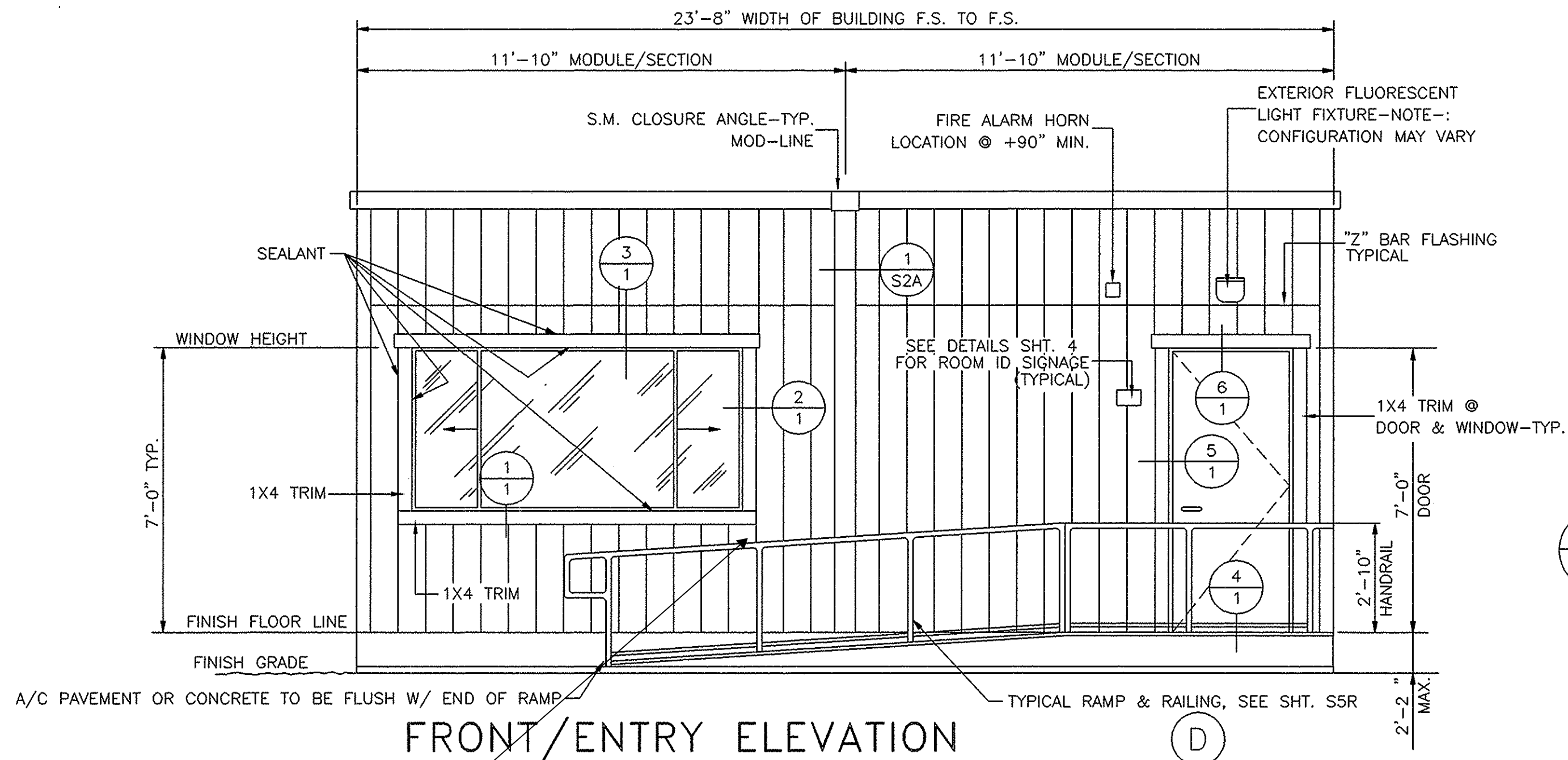
DATE: 03-30-04  
SCALE: NONE  
DRAWN BY: Y.A.  
CHECKED BY:  
CHECKED BY:  
SERIAL NO.

## REVISIONS

| REVISIONS |      |             |    |      |             |
|-----------|------|-------------|----|------|-------------|
| NO        | DATE | DESCRIPTION | NO | DATE | DESCRIPTION |
| △         |      |             | △  |      |             |
| △         |      |             | △  |      |             |
| △         |      |             | △  |      |             |
| △         |      |             | △  |      |             |

24 X 40  
RELOCATABLE  
CLASSROOMS





ROOM ID SIGNAGE

SEE SHEET 4  
DETAILS E/4 & 1/4

NOT A PART OF THIS CONTRACT (NOT PROVIDED BY A.M.S.)

NOTE:  
ROOM IDENTIFICATION SHALL BE PROVIDED FOR ROOMS OR SPACES. RAISED LETTERS SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH THE FOLLOWING: CONTRACTED GRADE 2 BRAILLE SHALL BE USED. DOTS SHALL BE 1/10 INCH ON CENTER IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM 1/40 INCH ABOVE BACKGROUND. SIGNS SHALL BE INSTALLED ON WALL ADJACENT TO LATCH SIDE OF DOOR. WHERE THERE IS NO SPACE ON THE LATCH SIDE, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISH FLOOR TO THE CENTER OF THE SIGN.

1/4" x 18GA GALV. EXPANDED METAL W/ (6) #8 SCREWS EACH VENT

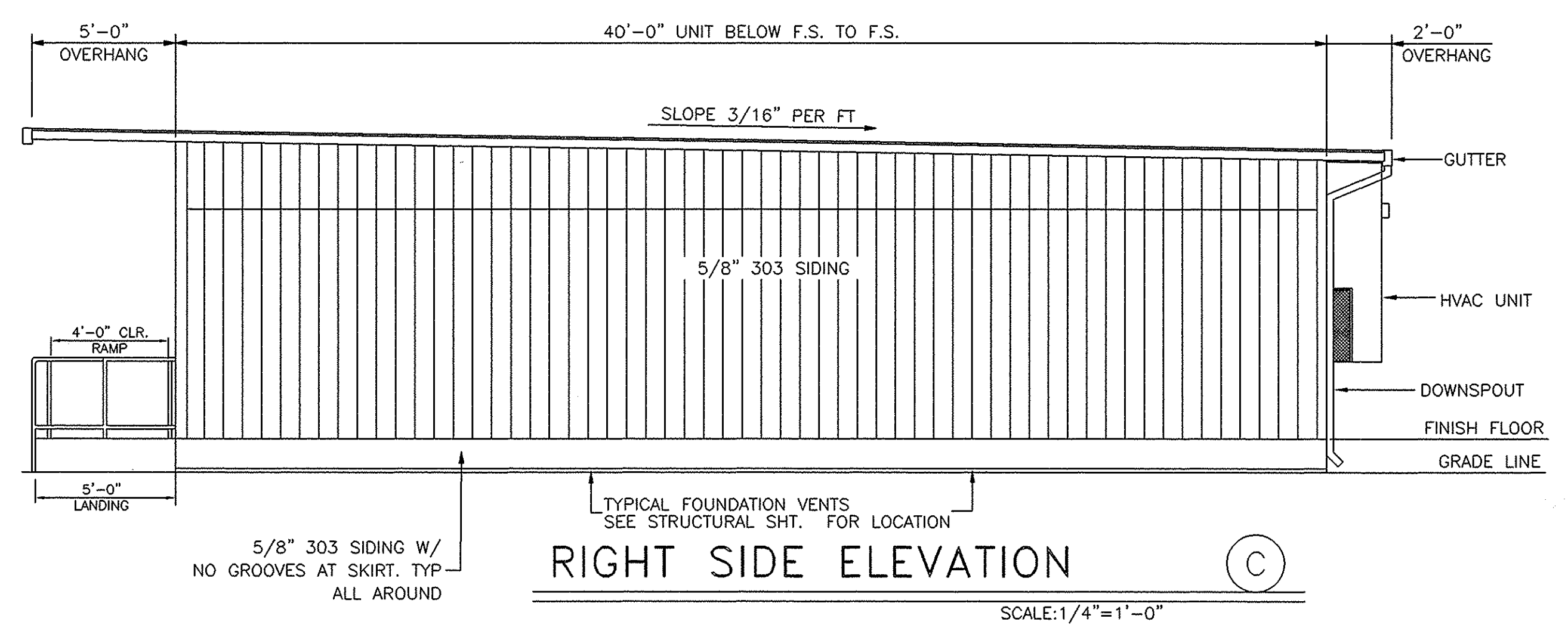
APPLY SCREEN ON OUTSIDE OF PLYWD.

VENT DETAIL

REQUIRED VENT AREA = 6.4 SQ. FTG.

NO SCALE

SEE SHT. S1A, S1B OR S1C FOR NUMBER OF VENTS AND LOCATIONS. THIS DETAIL IS FOR WOOD FOUNDATIONS ONLY.



FILE NO. 02-106166

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

AC 4 FLS. SS 8

DATE 4/13/04

BASED ON PC 02-104915

24 X 40  
RELOCATABLE  
CLASSROOMS

**AMS**  
American Modular Systems Inc.  
787 Spreckels Ave. Manteca, CA 95336  
(209)825-1921 Fax (209)825-7018  
americanmodular.com

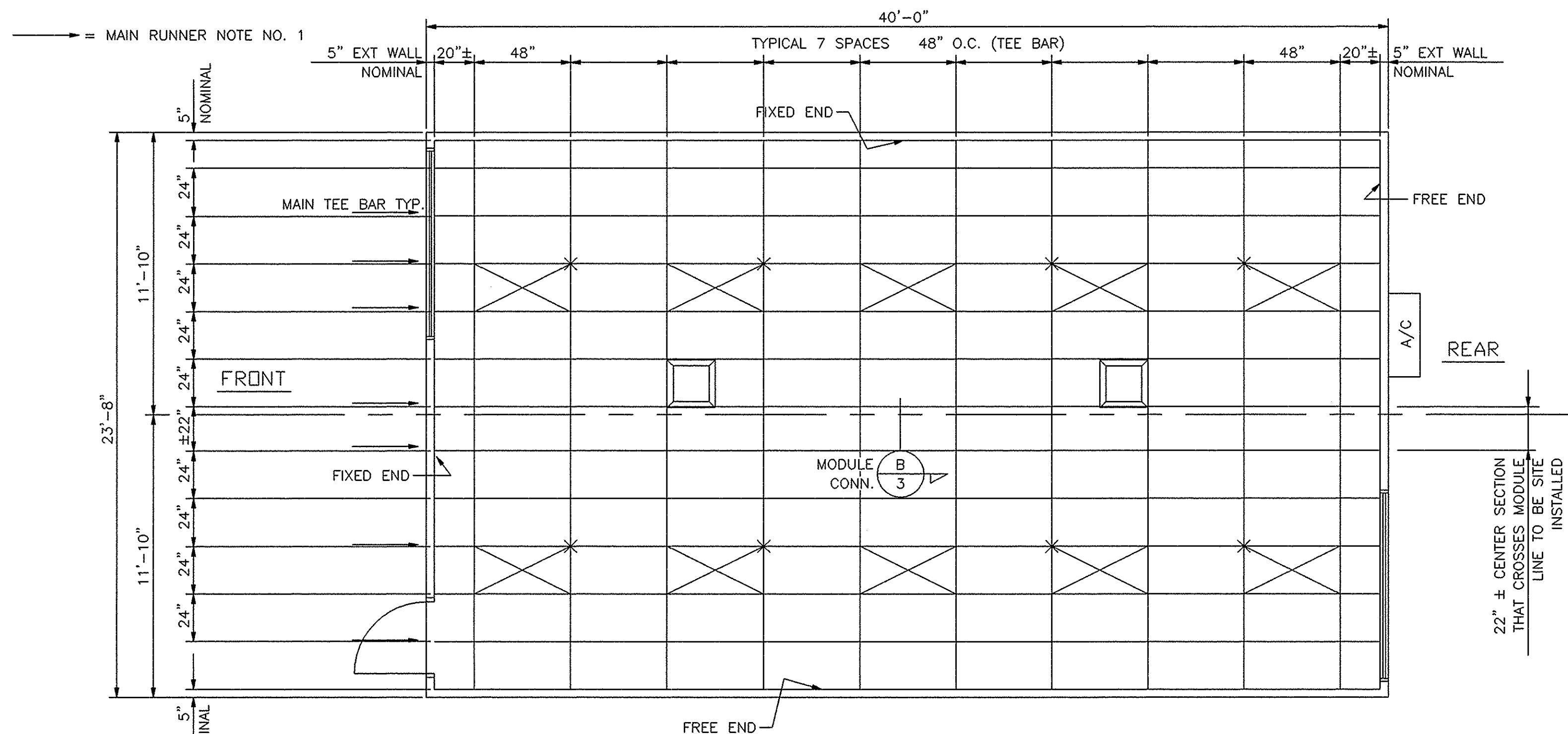
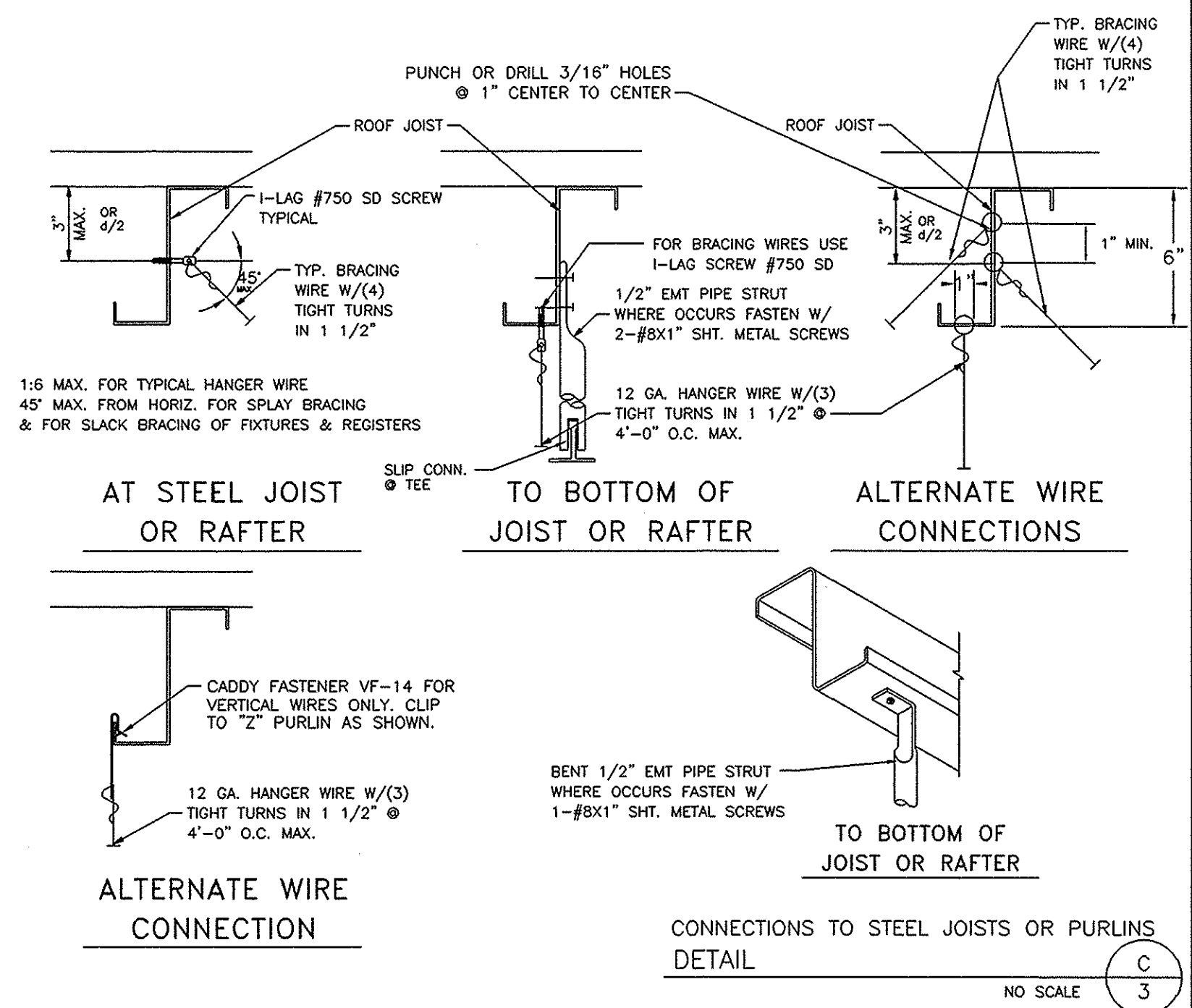
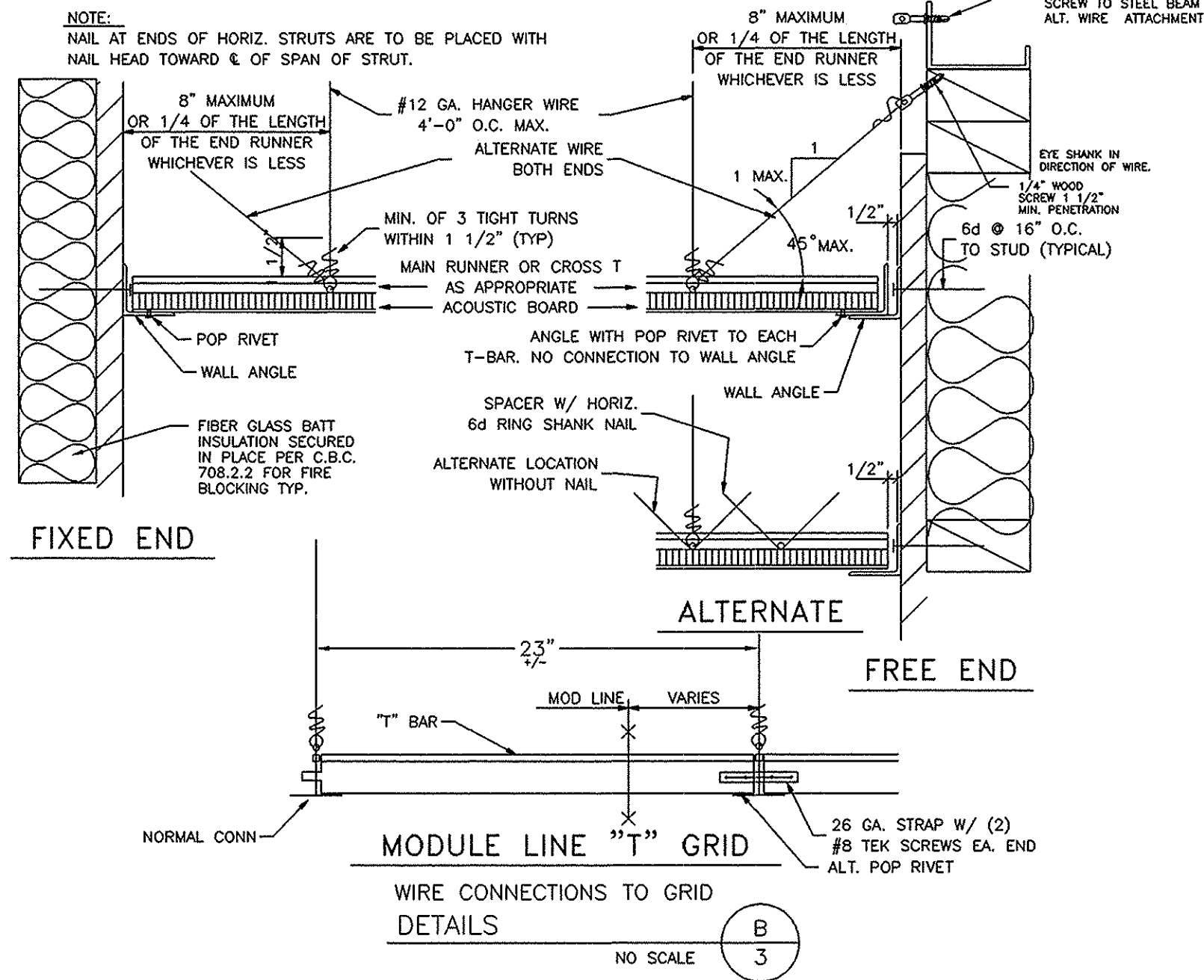
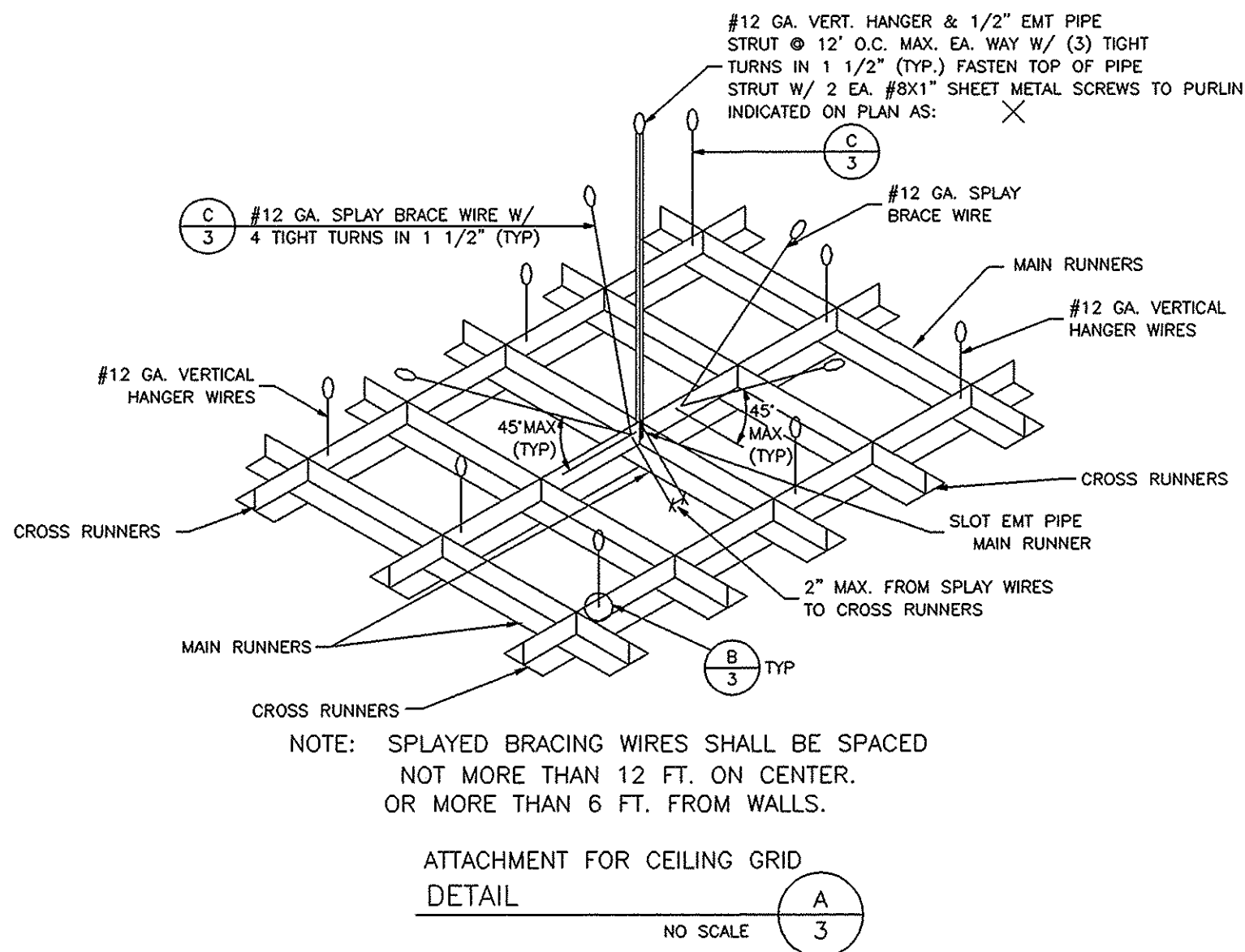
CUSTOMER:  
WILLIAMS SCOTSMAN  
SERIAL NO.S #04-904-120 THRU 319

EXTERIOR ELEVATIONS

DATE: 03-30-04  
SCALE: NONE  
DRAWN BY: Y.A.  
CHECKED BY:  
CHECKED BY:  
SERIAL NO.

| REVISIONS |      |             |    |      |
|-----------|------|-------------|----|------|
| NO        | DATE | DESCRIPTION | NO | DATE |
|           |      |             |    |      |
|           |      |             |    |      |
|           |      |             |    |      |
|           |      |             |    |      |

PROJECT No.  
  
SHEET No.  
2



## CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES

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

## METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

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 COUNTERBRACED WIRES.
4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID 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. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
- (A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
- (B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS
7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
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-WEIGHT 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 2-#12 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  
MAIN TEE OR EQUAL PER TABLE A.  
MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER PER TABLE A.
- MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER  
SPlice 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 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.
- | MANUFACTURER | MAIN TEE | H.D. 4" CROSS TEE | H.D. 2" CROSS TEE |
|--------------|----------|-------------------|-------------------|
|--------------|----------|-------------------|-------------------|

THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA APPROVAL.

| TABLE A HEAVY DUTY GRID COMPONENTS                      |          |                   |                   |
|---------------------------------------------------------|----------|-------------------|-------------------|
| MANUFACTURER                                            | MAIN TEE | H.D. 4' CROSS TEE | H.D. 2' CROSS TEE |
| DONN/USG                                                | DX-26    | DX-424            | DX-216            |
| ARMSTRONG                                               | 7301     | 7341              | 7323              |
| CHICAGO MFT.                                            | 200-01   | 1204-01           | 1226-01           |
| NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER |          |                   |                   |

NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER



FILE NO. \_\_\_\_\_

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

02-06166

C. FLS SS DR

DATE 4/13/04

BASED ON PC 02-104915

24 X 40  
RELOCATABLE  
CLASSROOMS



**American Modular Systems Inc.**  
787 Spreckels Ave. Manteca, CA 95336  
(209)825-1921 Fax (209)825-7018  
americanmodular.com

CUSTOMER:  
WILLIAMS SCOTSMAN  
SERIAL NO.s #04-904-120 THRU 04-904-319

## CEILING GRID, DETAILS AND NOTES

DATE: 03-30-04  
SCALE: NONE  
DRAWN BY: Y.A.  
CHECKED BY:  
CHECKED BY:  
SERIAL NO.

| REVISIONS |      |             |    |       |             |
|-----------|------|-------------|----|-------|-------------|
| NO        | DATE | DESCRIPTION | NO | DATE  | DESCRIPTION |
| △         |      |             | △  |       |             |
| △         |      |             | △  | 01-01 |             |
| △         |      |             | △  |       |             |
| △         |      |             | △  |       |             |

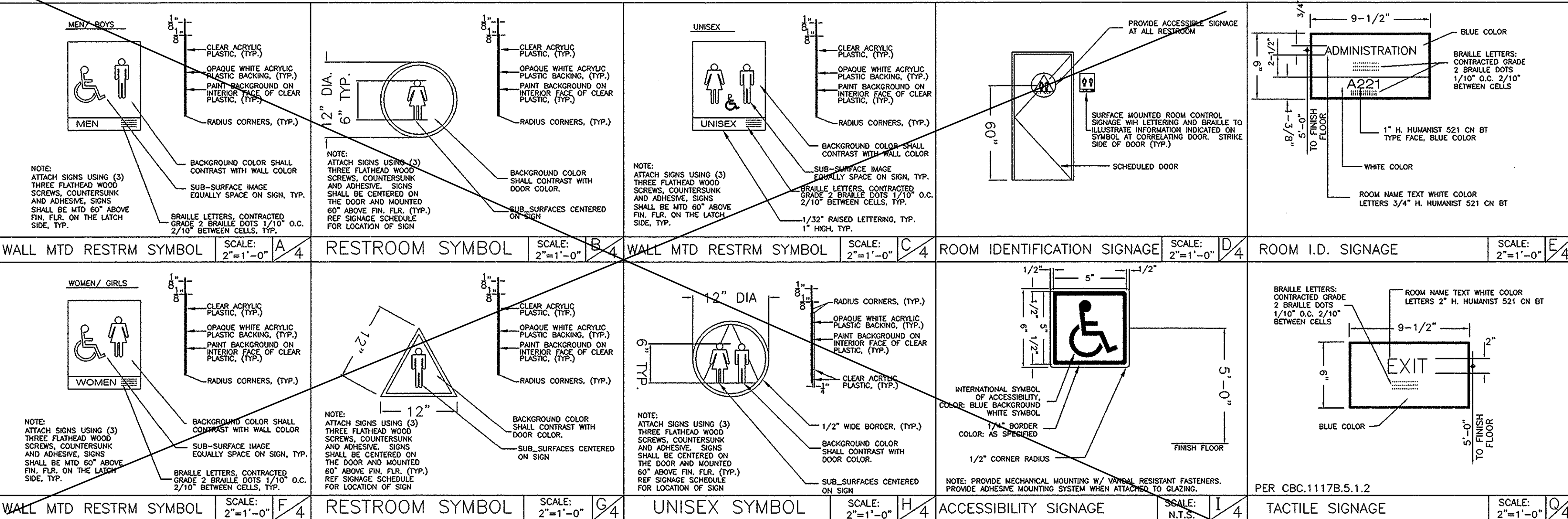
PROJECT No.

SHEET No. \_\_\_\_\_

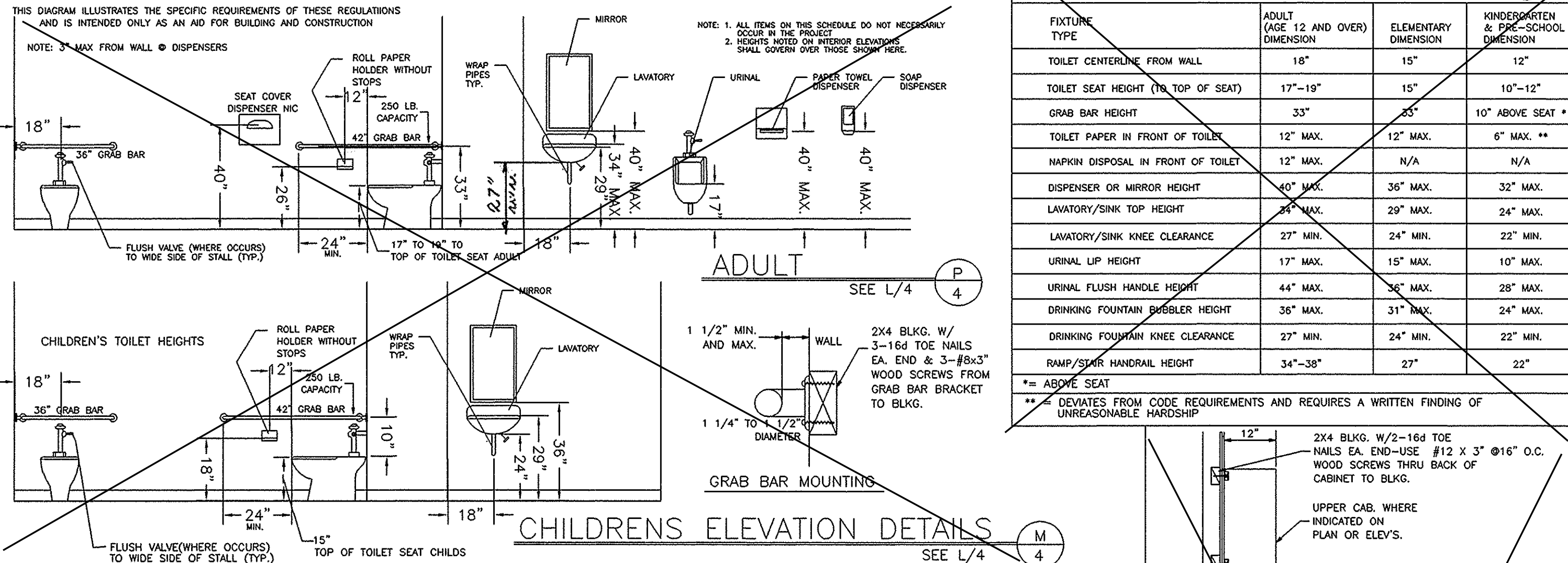
3

# ACCESSIBILITY SIGNAGE (AS REQUIRED-BY DISTRICT)

NOTE:  
PER CBC 1115.5.1-10 PLACE 12" ROUND OR TRIANGULAR SIGNS ON EACH TOILET ROOM DOOR @ +80" ON THE WALL ON THE LATCH SIDE OF DOOR FRAME. THIS SIGN SHALL READ AS FOLLOWS.



## ACCESSIBLE SANITARY FACILITIES (DETAILS)



## ROOM FINISHES SCHEDULE

| ROOM NUMBER | ROOM NAME             | FLOOR | BASE | FRONT | REAR | RIGHT | LEFT | CEILING | CEILING HEIGHT | REMARKS |
|-------------|-----------------------|-------|------|-------|------|-------|------|---------|----------------|---------|
| 1           | CLASSROOM             | A     | D    | F     | F    | F     | F    | J       | 8'-6"          |         |
| 2           | TOILET RM. (OPTIONAL) | B     | E    | I     | I    | I     | I    | J       | 8'-6"          |         |

- A - CARPET PER STATE OF CALIF SPEC COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN.
- B - VINYL SHEET FLOORING
- C - VCT, ARISTON STANDARD OR EXCELOX
- D - TOP SET BASE, 4" BURKE
- E - TOP SET BASE, 6" BRINGANTINE OR SANDOVAL
- F - WALL FINISH, 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING
- G - 1/2" W.R. GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
- H - 1/2" GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
- I - 3/32" F.R.P. OVER 1/2" W.R. GYP BOARD
- J - ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)
- K - 1/2" VINYL TACKBOARD CLASS 1 OVER 5/8" TYPE "X" GYP BOARD BACKING

## DOOR SCHEDULE SEE SHT. 1 FOR LOCATION

| DOOR NO. | FRAME OPENING SIZE | MATERIAL | TYPE | FINISH | QUANTITY | REMARKS              |
|----------|--------------------|----------|------|--------|----------|----------------------|
| 1        | 3'-0" x 7'-0"      | H.M.     | N/A  | A      | 1        | H.M. 6/1 6/1 4/1 5/1 |
| 2        | 3'-0" x 7'-0"      | S.C.     | N/A  | C      | 1        | H.M. 7/1 7/1 4/1 5/1 |

- HM - HOLLOW METAL
- AL - ALUMINUM
- SST - STAINLESS STEEL
- STL - STEEL FRAME, 16 ga. FULLY WELDED
- WWF - WINDOW WALL FRAME
- SC - SOLID CORE WOOD
- HC - HOLLOW CORE WOOD

## WINDOW SCHEDULE SEE SHT. 1 FOR LOCATION

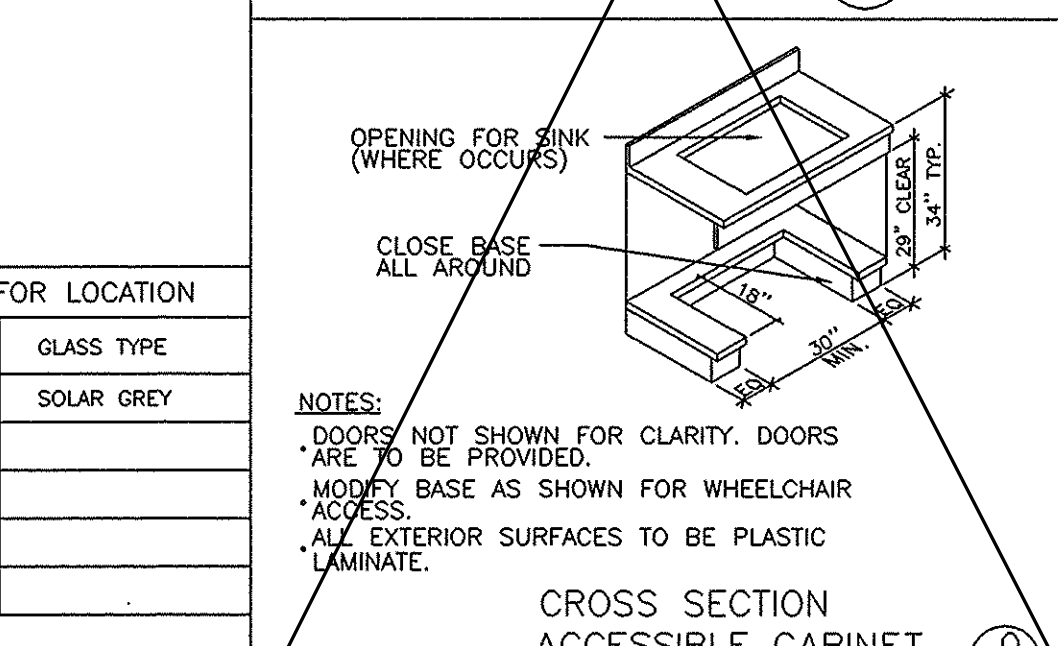
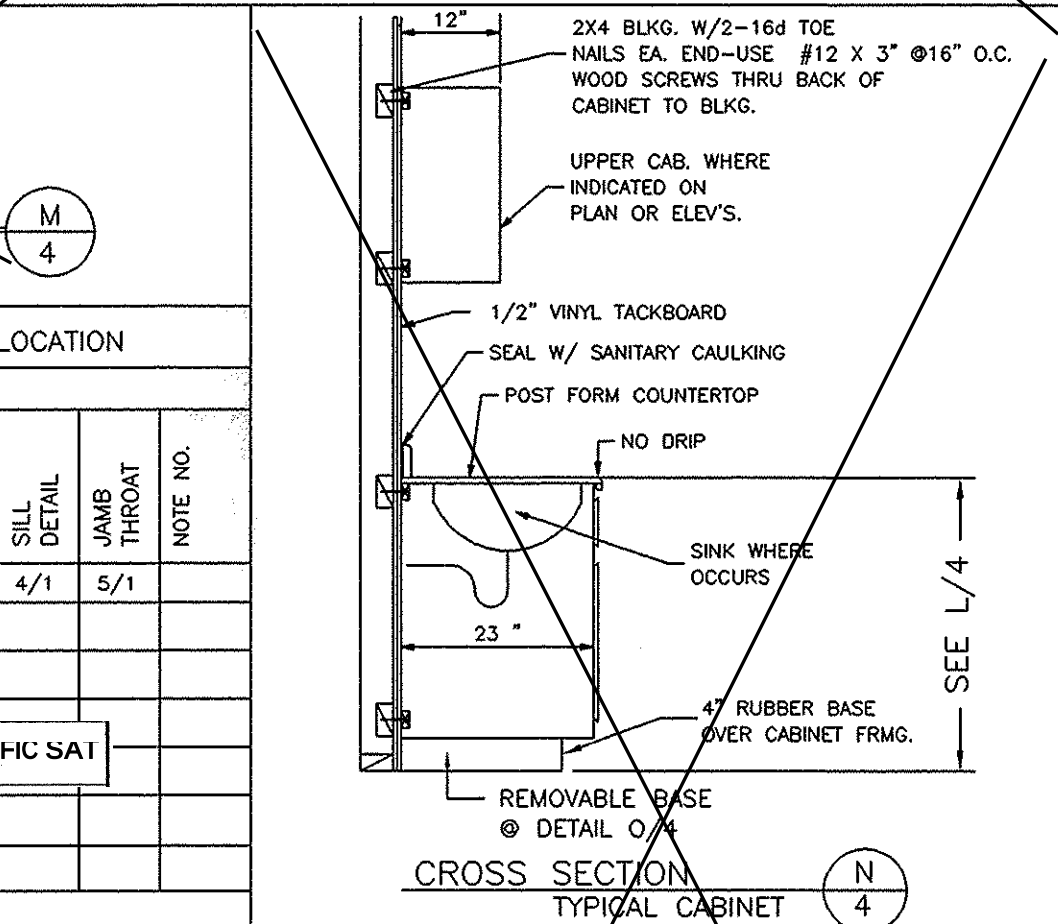
| WINDOW NO. | AMT. | TYPE | WIDTH | HEIGHT | FINISH | GLASS TYPE |
|------------|------|------|-------|--------|--------|------------|
| (A)        | 2    | SLD. | 8'-0" | 4'-0"  | BRONZE | SOLAR GREY |

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

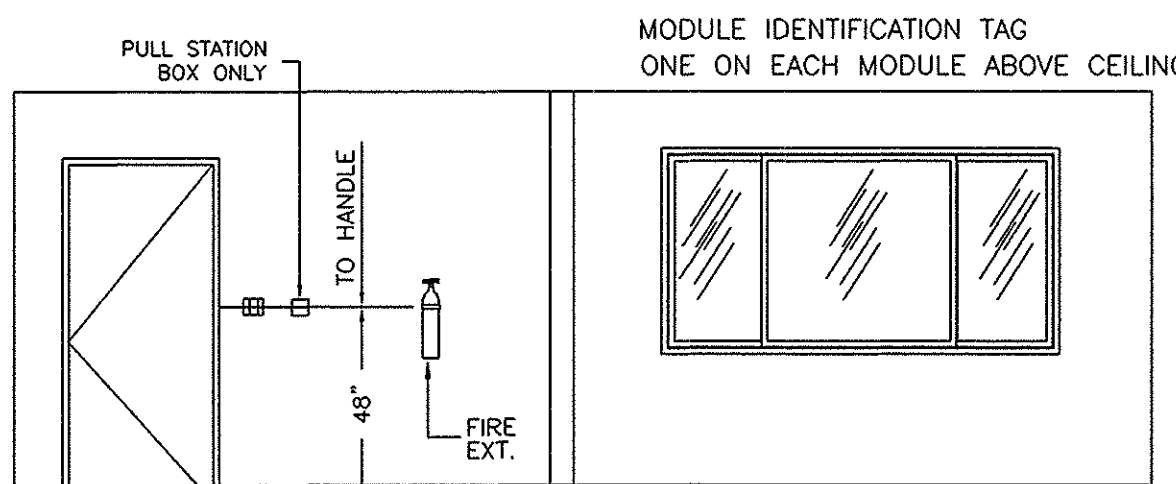
## DIMENSIONS FOR ACCESSIBILITY IN TOILET FACILITIES

| FIXTURE TYPE                        | ADULT (AGE 12 AND OVER) DIMENSION | ELEMENTARY DIMENSION | KINDERGARTEN & PRE-SCHOOL DIMENSION |
|-------------------------------------|-----------------------------------|----------------------|-------------------------------------|
| TOILET CENTERLINE FROM WALL         | 18"                               | 15"                  | 12"                                 |
| TOILET SEAT HEIGHT (TO TOP OF SEAT) | 17"-19"                           | 15"                  | 10"-12"                             |
| GRAB BAR HEIGHT                     | 33"                               | 33"                  | 10" ABOVE SEAT *                    |
| TOILET PAPER IN FRONT OF TOILET     | 12" MAX.                          | 12" MAX.             | 6" MAX. **                          |
| WIPER DISPOSAL IN FRONT OF TOILET   | 12" MAX.                          | N/A                  | N/A                                 |
| DISPENSER OR MIRROR HEIGHT          | 40" MAX.                          | 36" MAX.             | 32" MAX.                            |
| LAVATORY/SINK TOP HEIGHT            | 29" MAX.                          | 29" MAX.             | 24" MAX.                            |
| LAVATORY/SINK KNEE CLEARANCE        | 27" MIN.                          | 24" MIN.             | 22" MIN.                            |
| URINAL UP HEIGHT                    | 17" MAX.                          | 15" MAX.             | 10" MAX.                            |
| URINAL FLUSH HANDLE HEIGHT          | 44" MAX.                          | 36" MAX.             | 28" MAX.                            |
| DRINKING FOUNTAIN BUBBLER HEIGHT    | 36" MAX.                          | 31" MAX.             | 24" MAX.                            |
| DRINKING FOUNTAIN KNEE CLEARANCE    | 27" MIN.                          | 24" MIN.             | 22" MIN.                            |
| RAMP/STAIR HANDRAIL HEIGHT          | 34"-38"                           | 27"                  | 22"                                 |

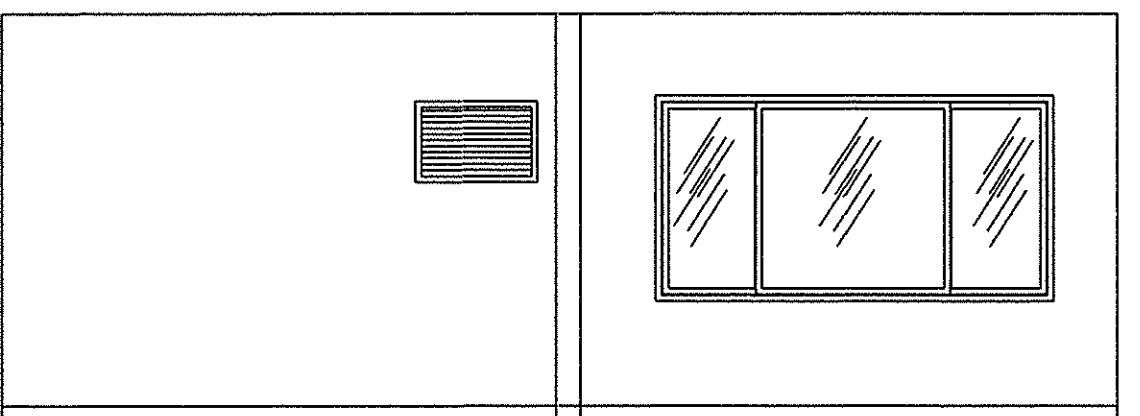
\* = ABOVE SEAT  
\*\* = DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARSHIP



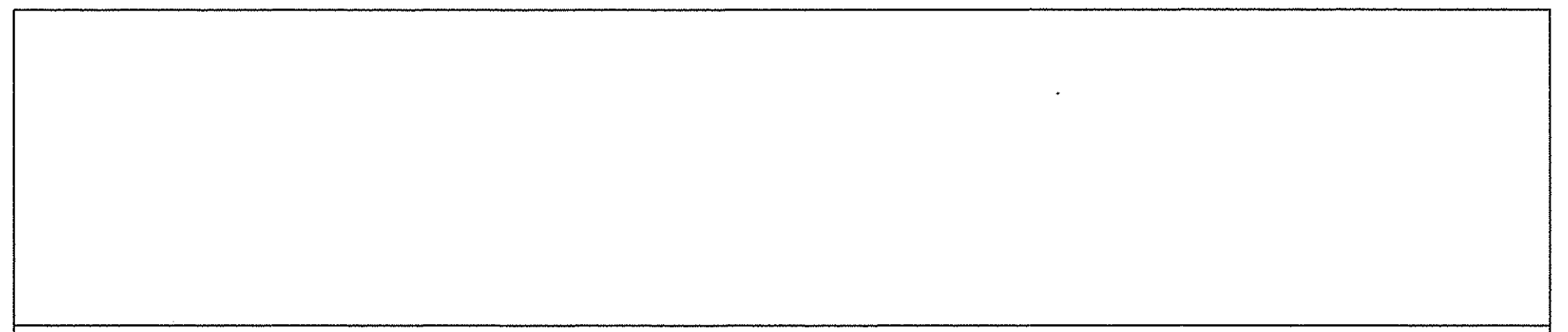
NOTES:  
DOORS NOT SHOWN FOR CLARITY. DOORS ARE TO BE PROVIDED.  
MODIFY BASE AS SHOWN FOR WHEELCHAIR ACCESS.  
ALL EXTERIOR SURFACES TO BE PLASTIC LAMINATE.



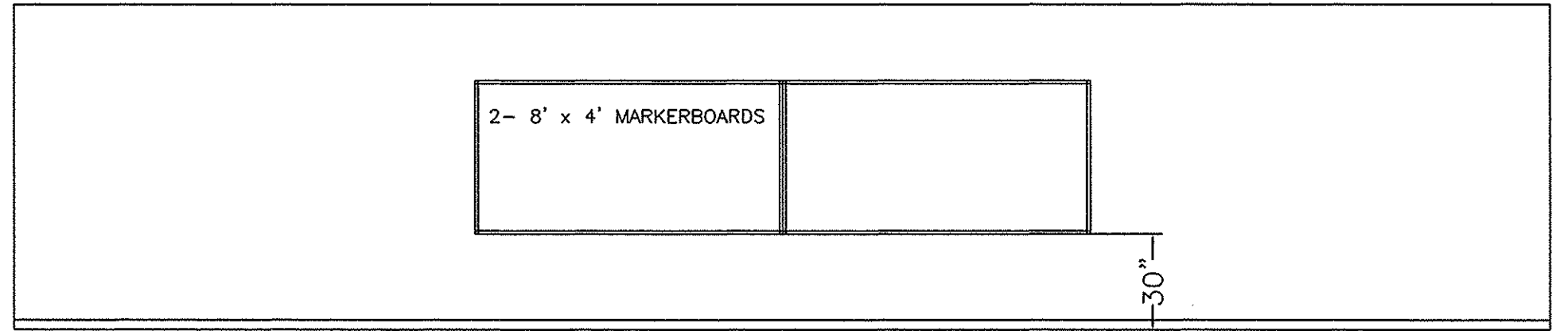
1 INTERIOR ELEVATIONS  
4 1/4" = 1'-0"



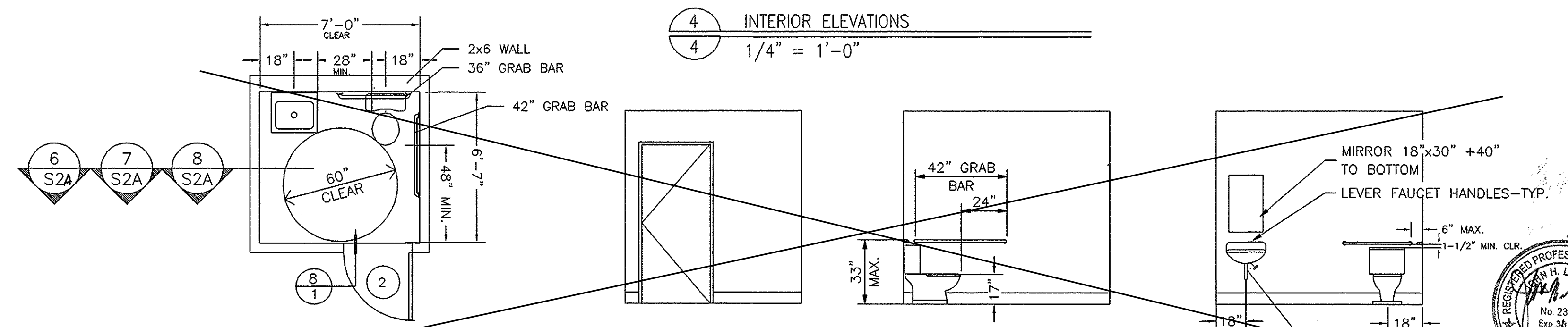
2 INTERIOR ELEVATIONS  
4 1/4" = 1'-0"



3 INTERIOR ELEVATIONS  
4 1/4" = 1'-0"

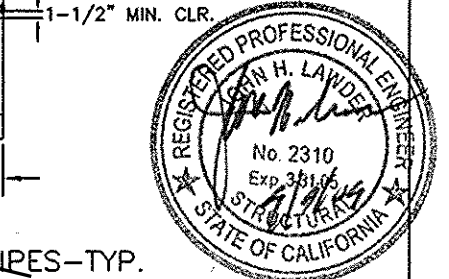


4 INTERIOR ELEVATIONS  
4 1/4" = 1'-0"



6 INTERIOR ELEVATIONS (OPTIONAL)  
4 1/4" = 1'-0"

5 INTERIOR ELEVATIONS (OPTIONAL)  
4 1/4" = 1'-0"



FILE NO.  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
02-106165  
AC. FLS. 62 SS 8/8  
DATE 4/13/04

BASED ON PC 02-104915

24 X 40  
RELOCATABLE  
CLASSROOMS



CUSTOMER:  
WILLIAMS SCOTSMAN  
SERIAL NO.s #04-904-120 THRU 04-904-319

INTERIOR ELEVATIONS AND OPTIONS

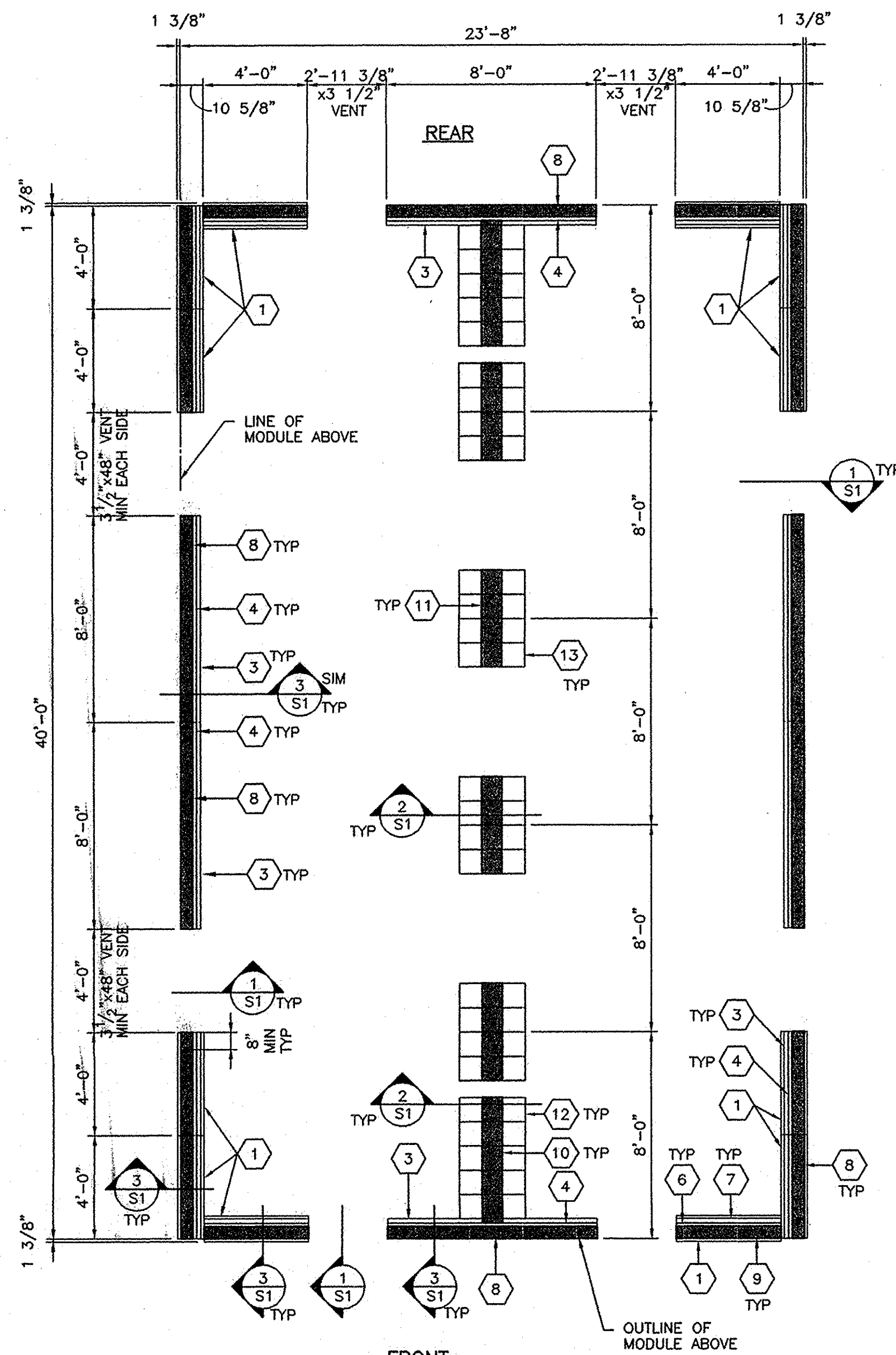
DATE: 04-01-04  
SCALE: NONE  
DRAWN BY: Y.A.  
CHECKED BY:  
SERIAL NO.

| REVISIONS |      |             |     |      |             |
|-----------|------|-------------|-----|------|-------------|
| NO.       | DATE | DESCRIPTION | NO. | DATE | DESCRIPTION |
| 1         |      |             | 1   |      |             |
| 2         |      |             | 2   |      |             |
| 3         |      |             | 3   |      |             |
| 4         |      |             | 4   |      |             |

PROJECT No.

SHEET No.

4



## FOUNDATION PLAN

1/4" = 1'-0"

### LEGEND

- 1 1/2"x12" WIDE x 48" LONG, UNO ON PLAN, PT STRUCTURAL PLYWOOD W/ FACE GRAIN IN SHORT DIRECTION (CDX PLYWOOD)
- 2 NOT USED
- 3 2x10x8'-0" LONG, UNO ON PLAN, PT R ALT. 2x10 REDWOOD
- 4 2x8x8'-0" LONG, UNO ON PLAN, R
- 5 NOT USED
- 6 2x8x4'-0" LONG, UNO ON PLAN, R
- 7 2x10x4'-0" LONG, UNO ON PLAN, R (PT R WHERE PLYWOOD DOES NOT OCCUR)
- 8 MULTIPLE 2x6x8'-0" LONG, UNO ON PLAN, AS REQ'D FOR HEIGHT
- 9 MULTIPLE 2x6x4'-0" LONG, UNO ON PLAN, AS REQ'D FOR HEIGHT
- 10 2x10 R W/ SHIM, SEE 2/S1
- 11 2x10 BLKG, SEE 2/S1
- 12 (4) 2x12x2'-0" PT R OR (5) 2x10x2'-0" PT R OR (6) 2x8x2'-0" PT R, SEE 2/S1
- 13 (4) 2x12x2'-0" PT R OR (4) 2x10x2'-0" PT R OR (5) 2x8x2'-0" PT R, SEE 2/S1
- 1" Ø GALV. PIPE LOCATIONS-TYPICAL

### 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=6.4 SF  
VENT AREA PROVIDED=6.4 SF

### SILL RESTRAINT:

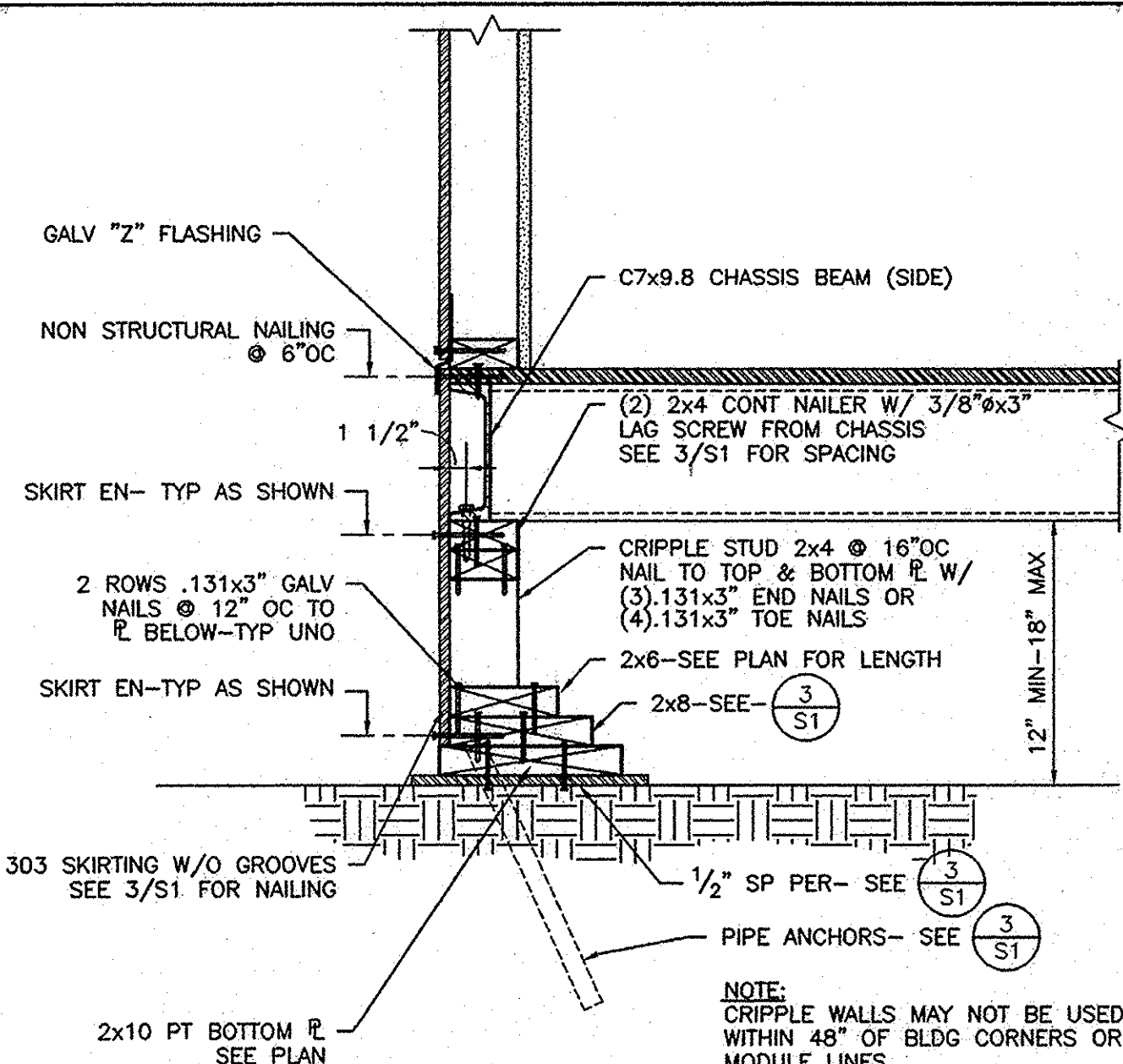
- ON SOIL: 1" Ø HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW SURFACE @ 10'-0" OC, MIN 2 EA 2x R. DRILL SILL 1 1/4" MAX. PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.
- ON A/C PAVING: 1" Ø HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 10'-0" OC, MIN 2 EA 2x R. DRILL SILL 1 1/4" MAX. ALT: 60d HOT DIPPED GALV NAILS THRU PREDRILLED SILL R @ 32" OC.
- ON CONC PAVING: 1" Ø HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 10'-0" OC, MIN 2 EA 2x R. DRILL SILL 1 1/4" MAX. ALT: 60d HOT DIPPED GALV NAILS THRU SILL R W/ 3 1/2" MIN CONC EMBEDMENT @ 5'-0" OC MAX.

### 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 2001 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.

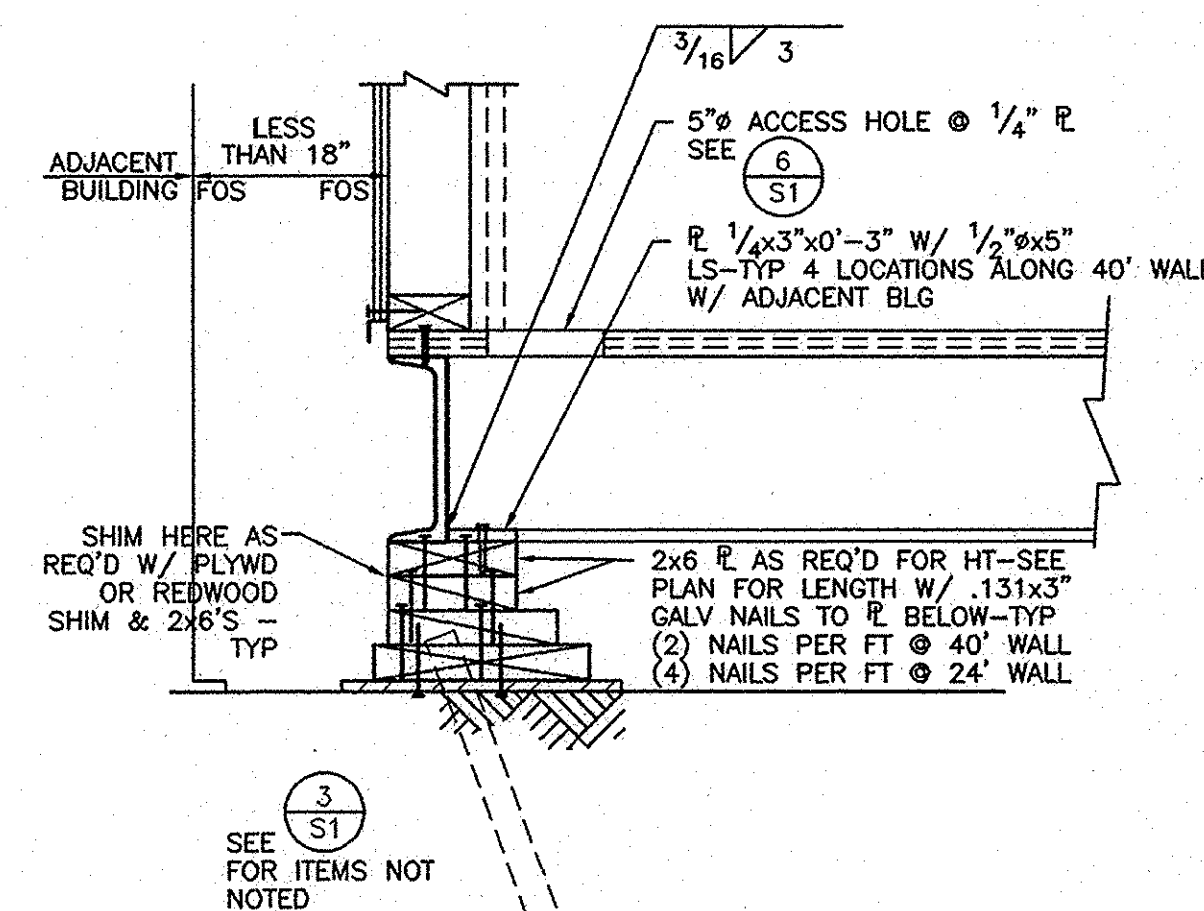
CONCRETE OR CONCRETE BLOCK FOUNDATIONS ARE NOT ALLOWED. THE FOOTING DESIGN SHALL PROVIDE FOR SHIMS AND BLOCKS NECESSARY TO PERMIT INSTALLATION ON SITES NOT LEVEL, BUT WITHIN TOLERANCE ALLOWED.

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

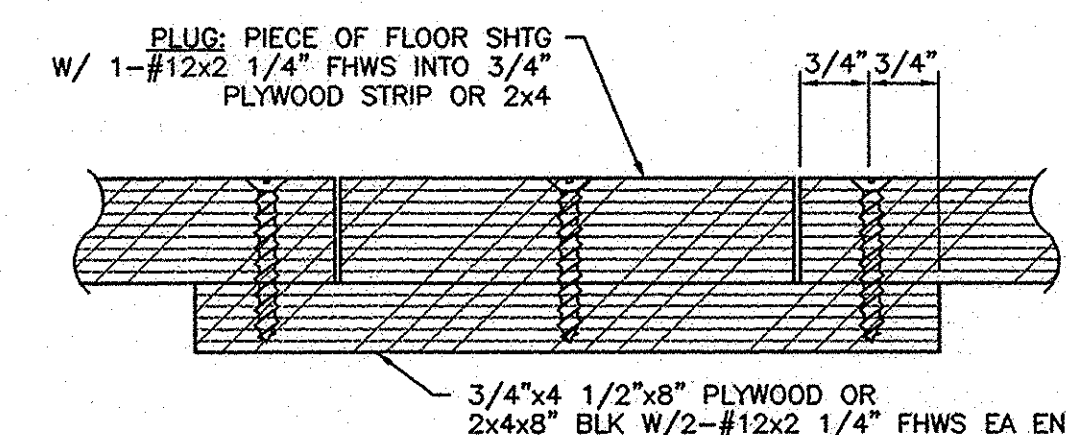
1 1/2" = 1'-0"



## OPTIONAL FOR BUILDING PLACES LESS THAN 18" APART

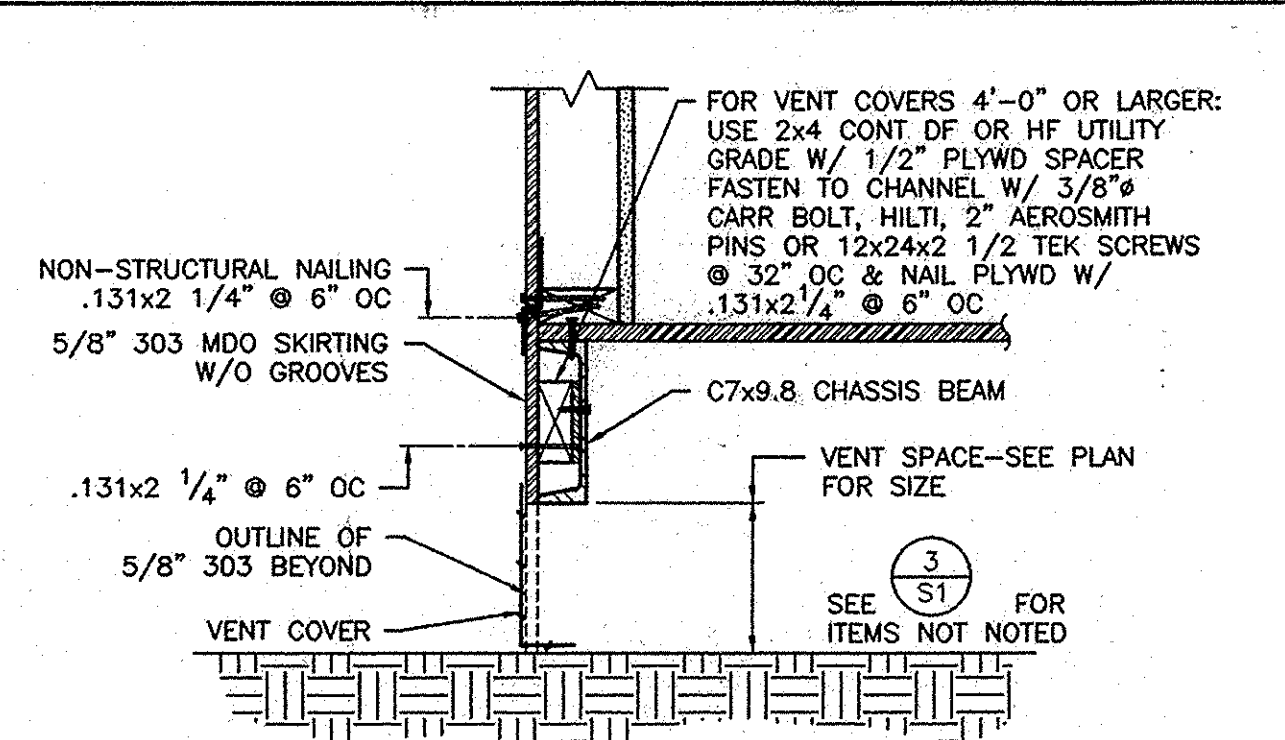
## FOUNDATION DETAIL

1 1/2" = 1'-0"



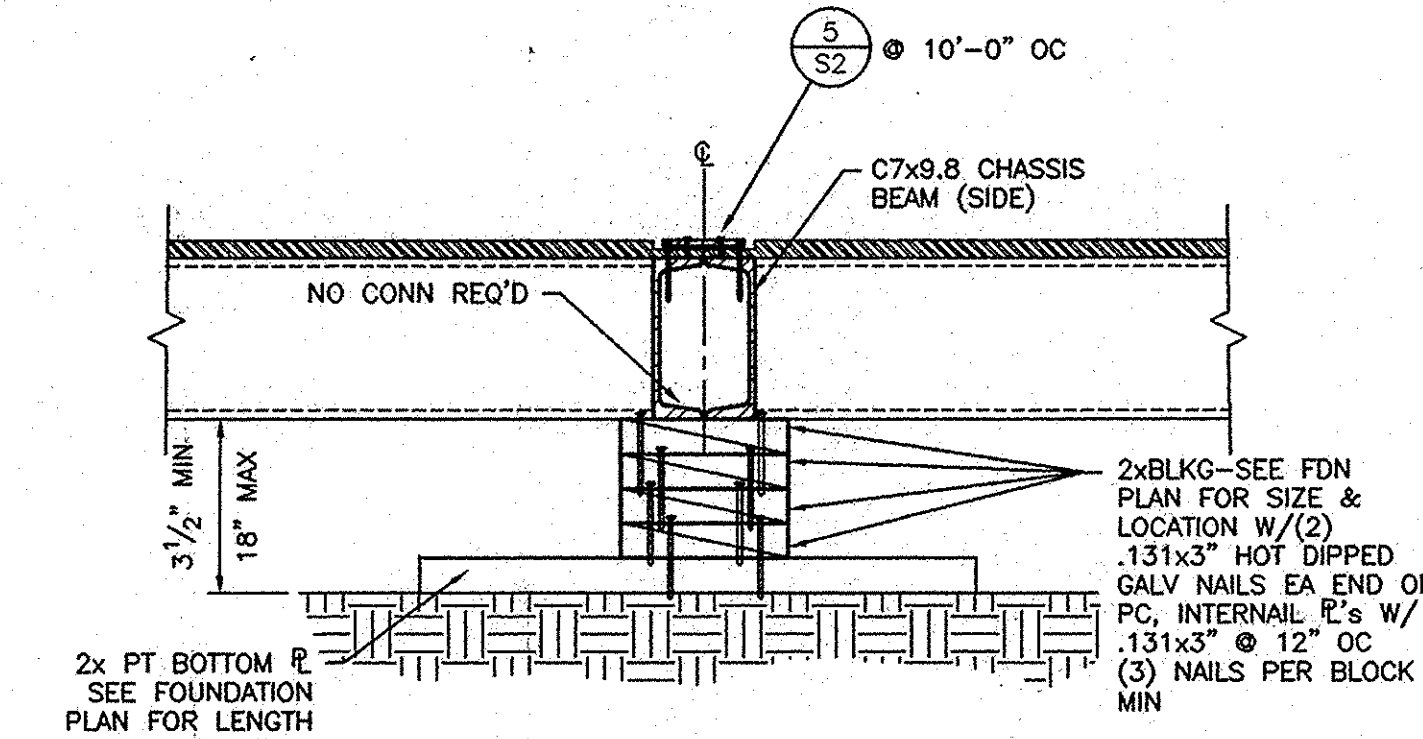
## FILLER ACCESS HOLE DETAIL

NO SCALE



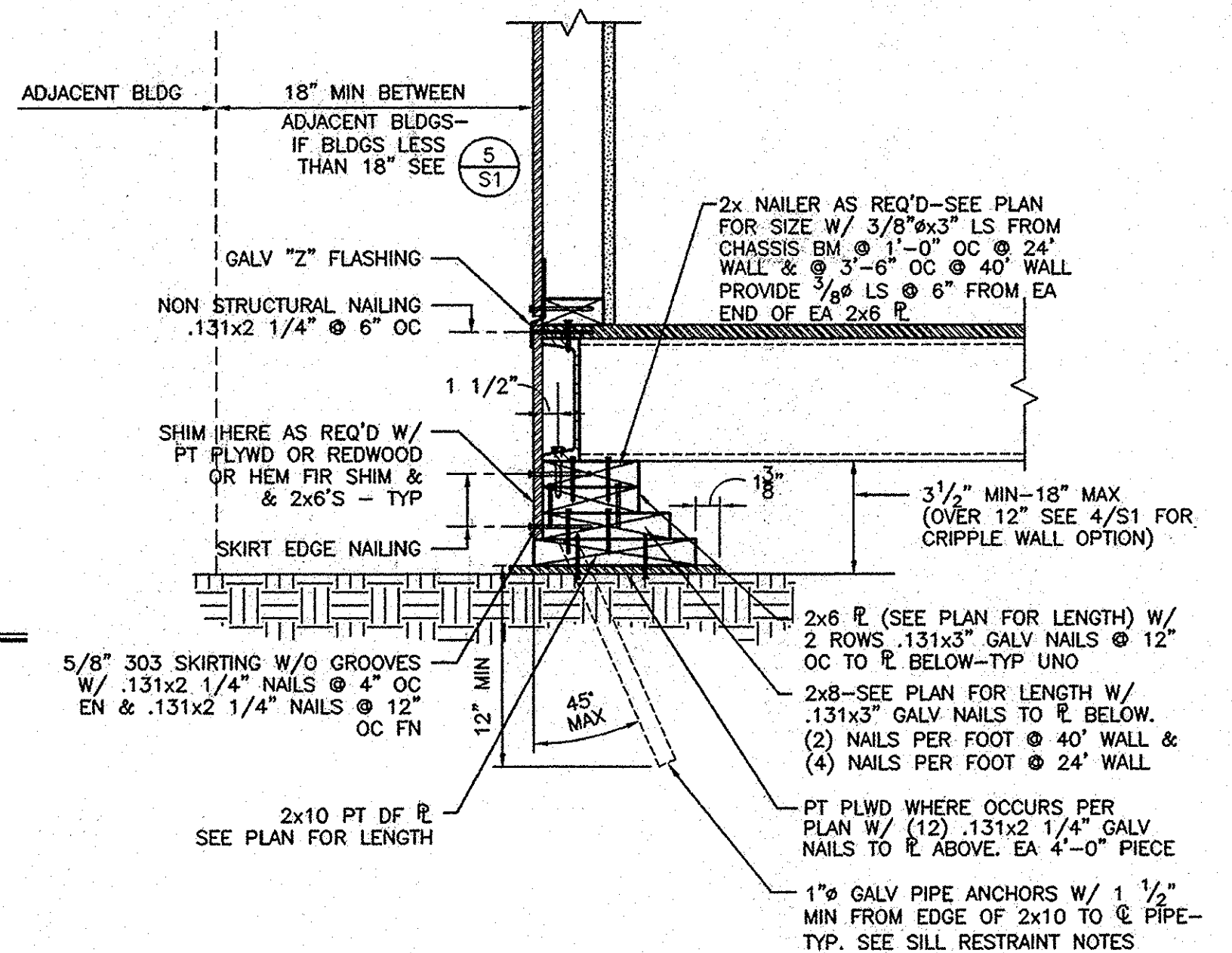
## FOUNDATION DETAIL

1 1/2" = 1'-0"



## DETAIL

1 1/2" = 1'-0"



## FOUNDATION DETAIL

1 1/2" = 1'-0"

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
02 106166  
AC: FLS: S3  
DATE: 4/13/04

PROFESSIONAL ARCHITECT  
No. 2310  
STATE OF CALIFORNIA

2001 CBC  
FILE NO. PC  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
APPLICATION NO.  
02-104815  
AC: FLS: SS: AH  
DATE: JUL 2-2-2003

24 x 40  
RELOCATABLE  
CLASSROOM

**AMS**  
American Modular Systems Inc.  
787 Spreckels Ave. Manteca, CA 95336  
(209) 925-1921 Fax (209) 925-7018  
americanmodular.com

REGISTERED PROFESSIONAL ENGINEER  
No. C 12631  
EXP. 3-31-05  
Structural Engineering  
Kenneth A. Luffell  
No. 1418  
EXP. 3-31-05  
Structural Engineering  
STATE OF CALIFORNIA

CUSTOMER:

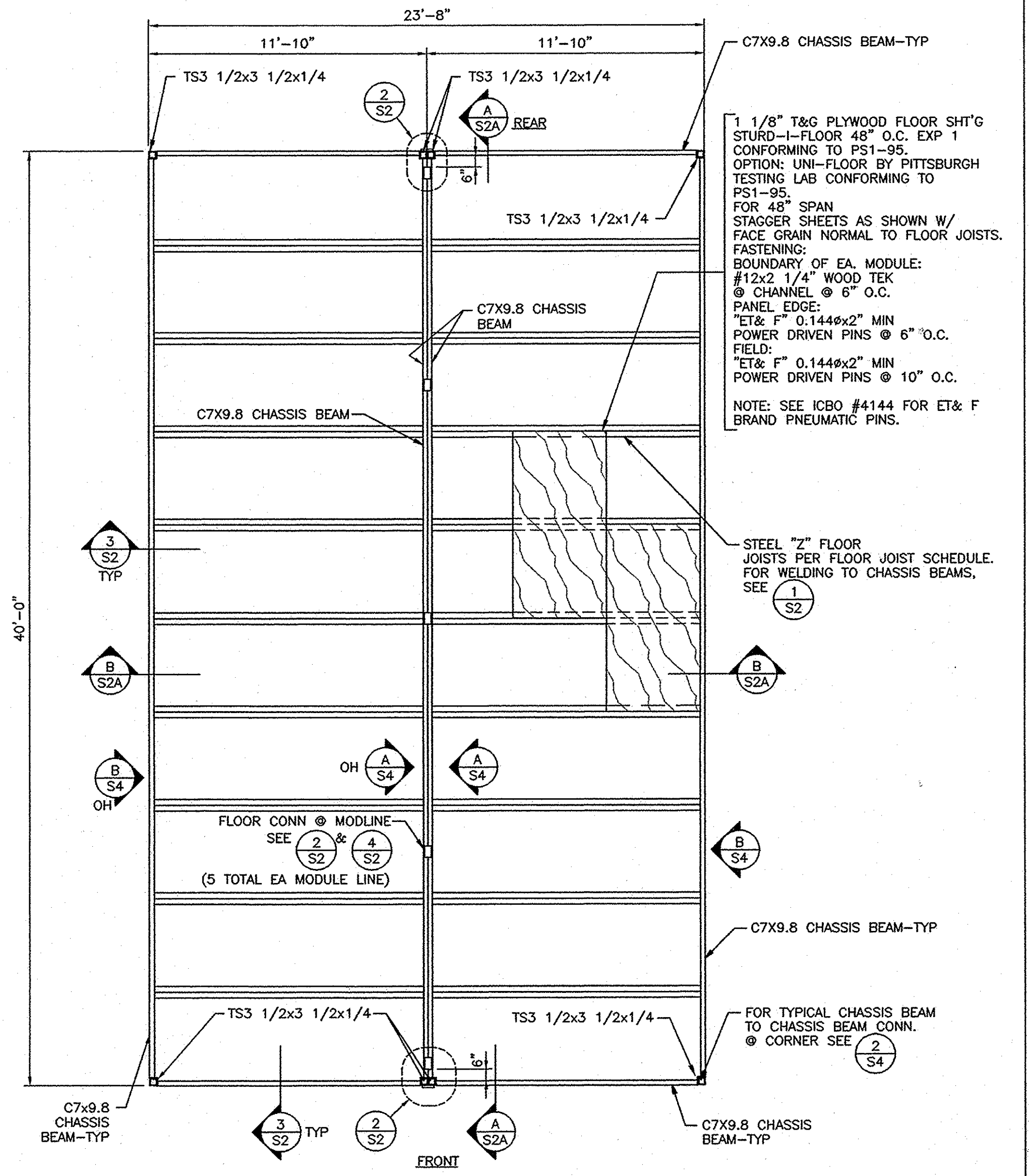
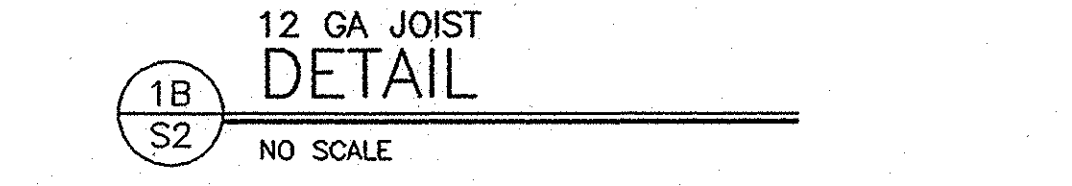
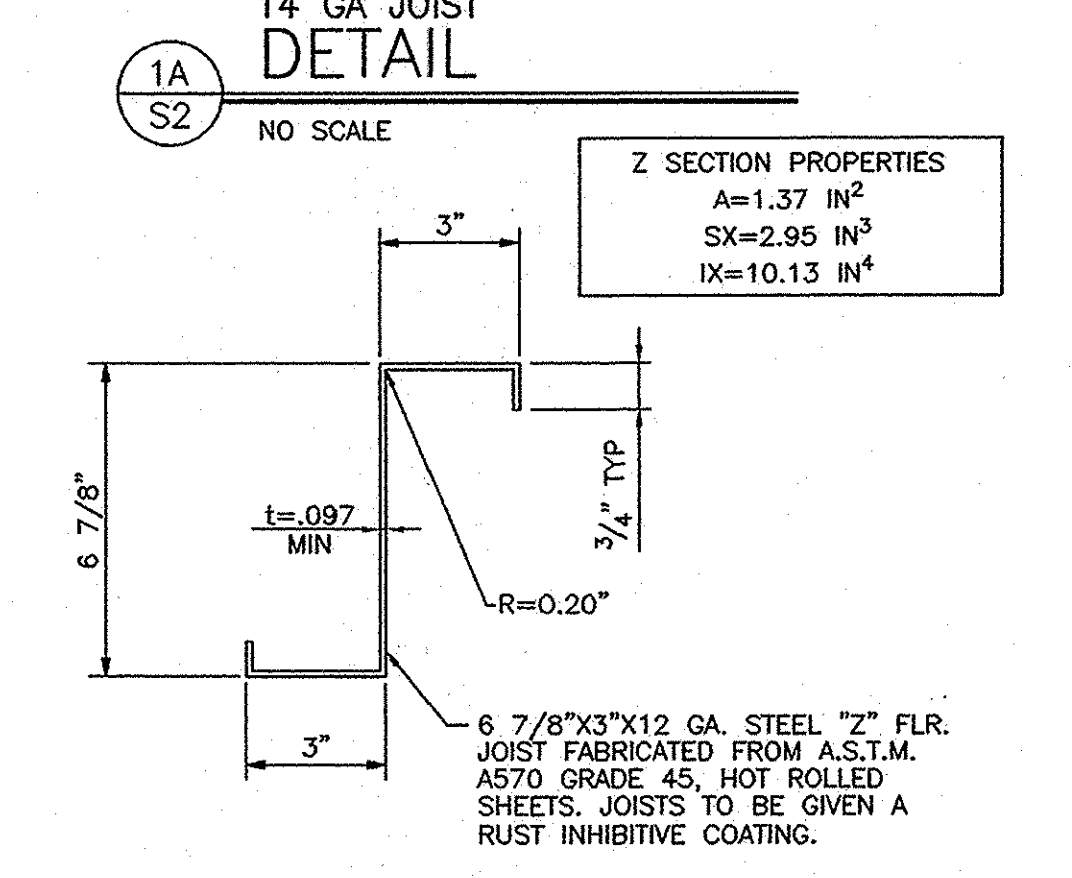
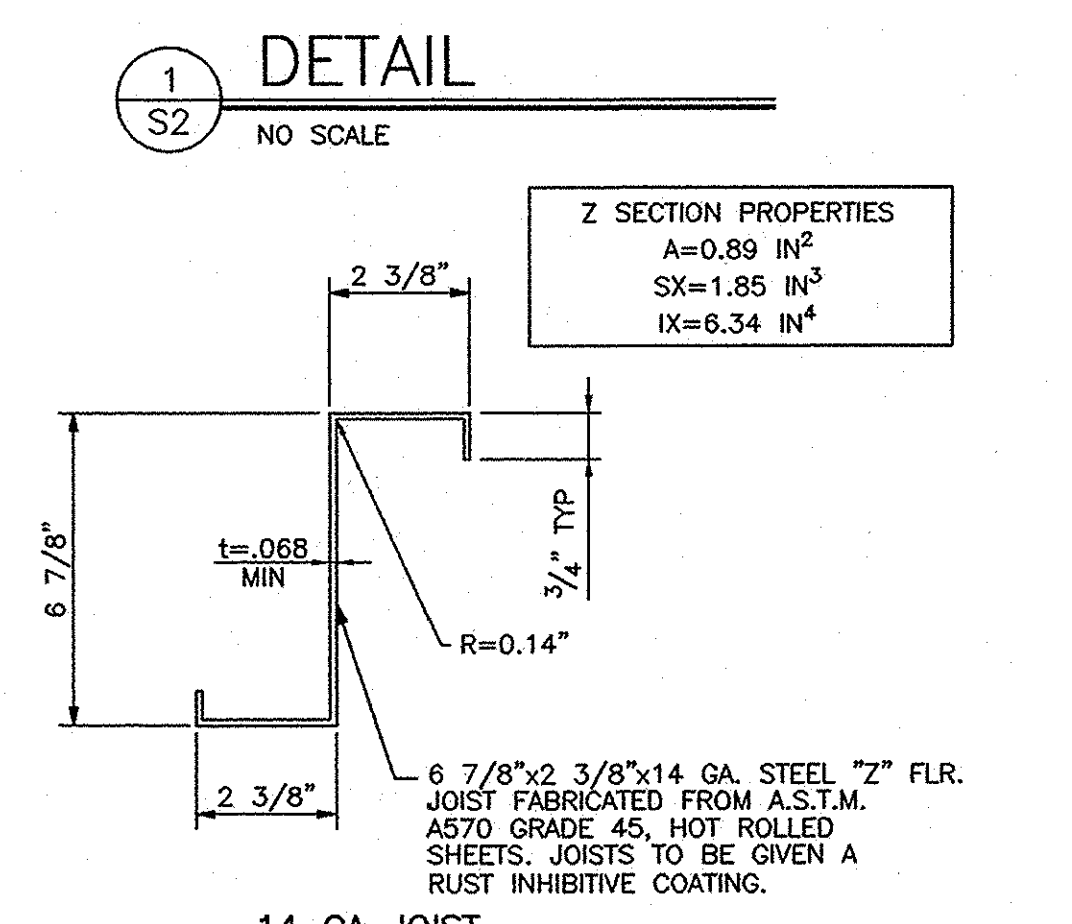
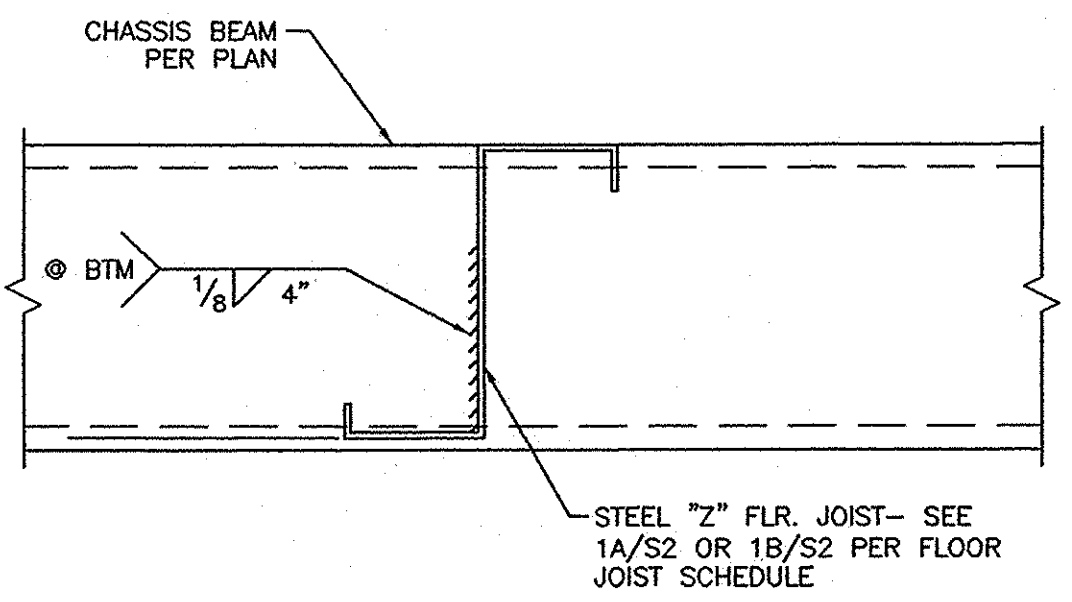
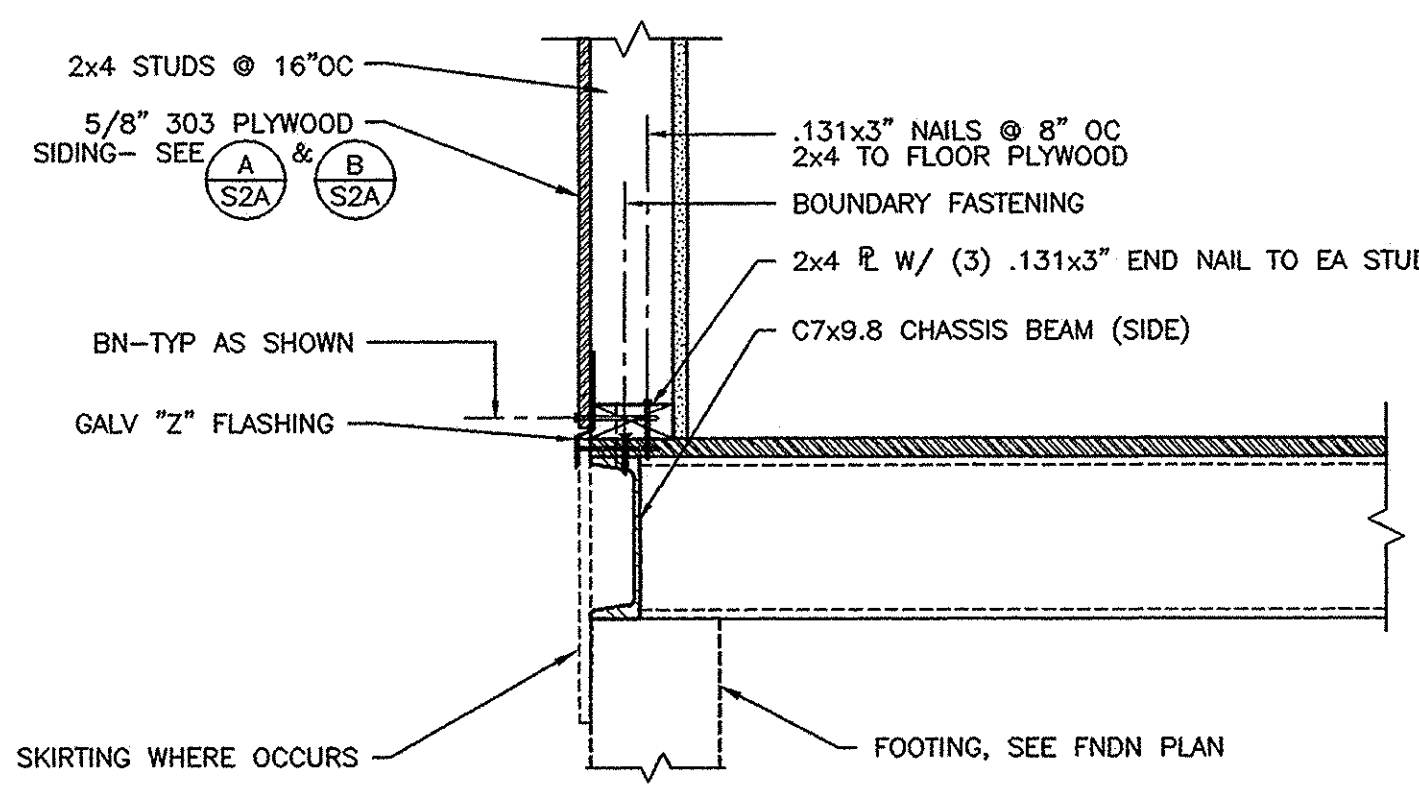
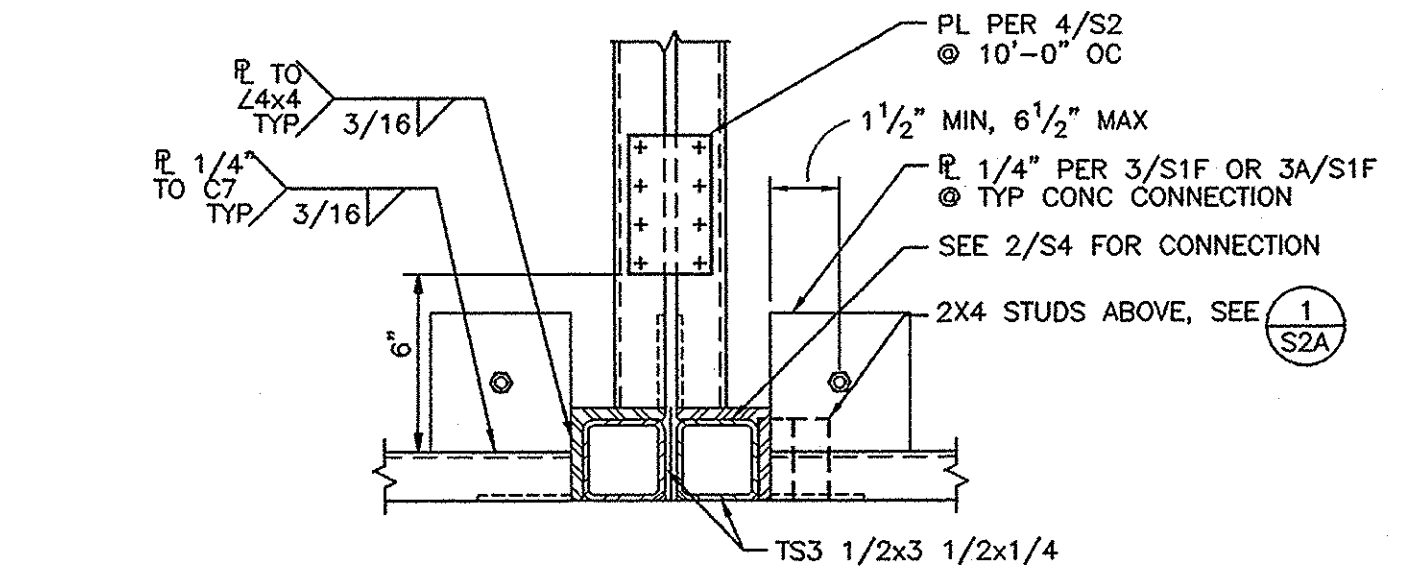
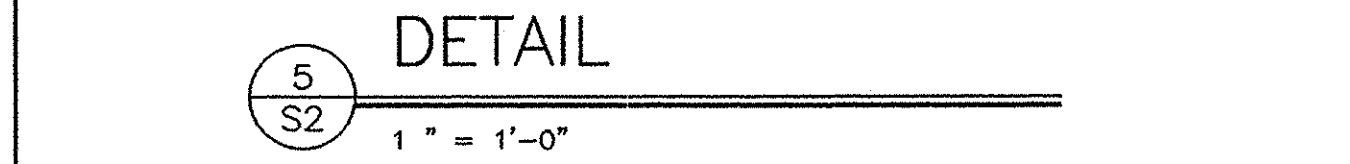
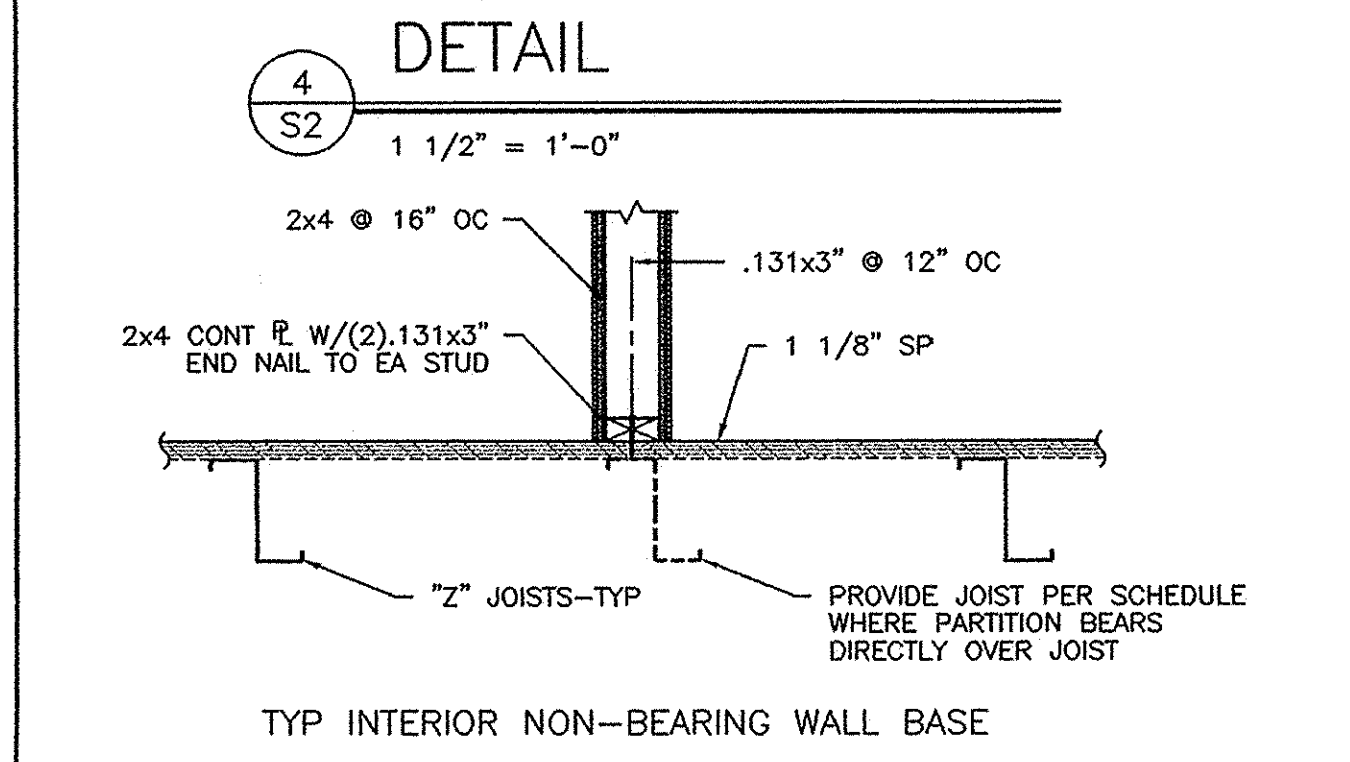
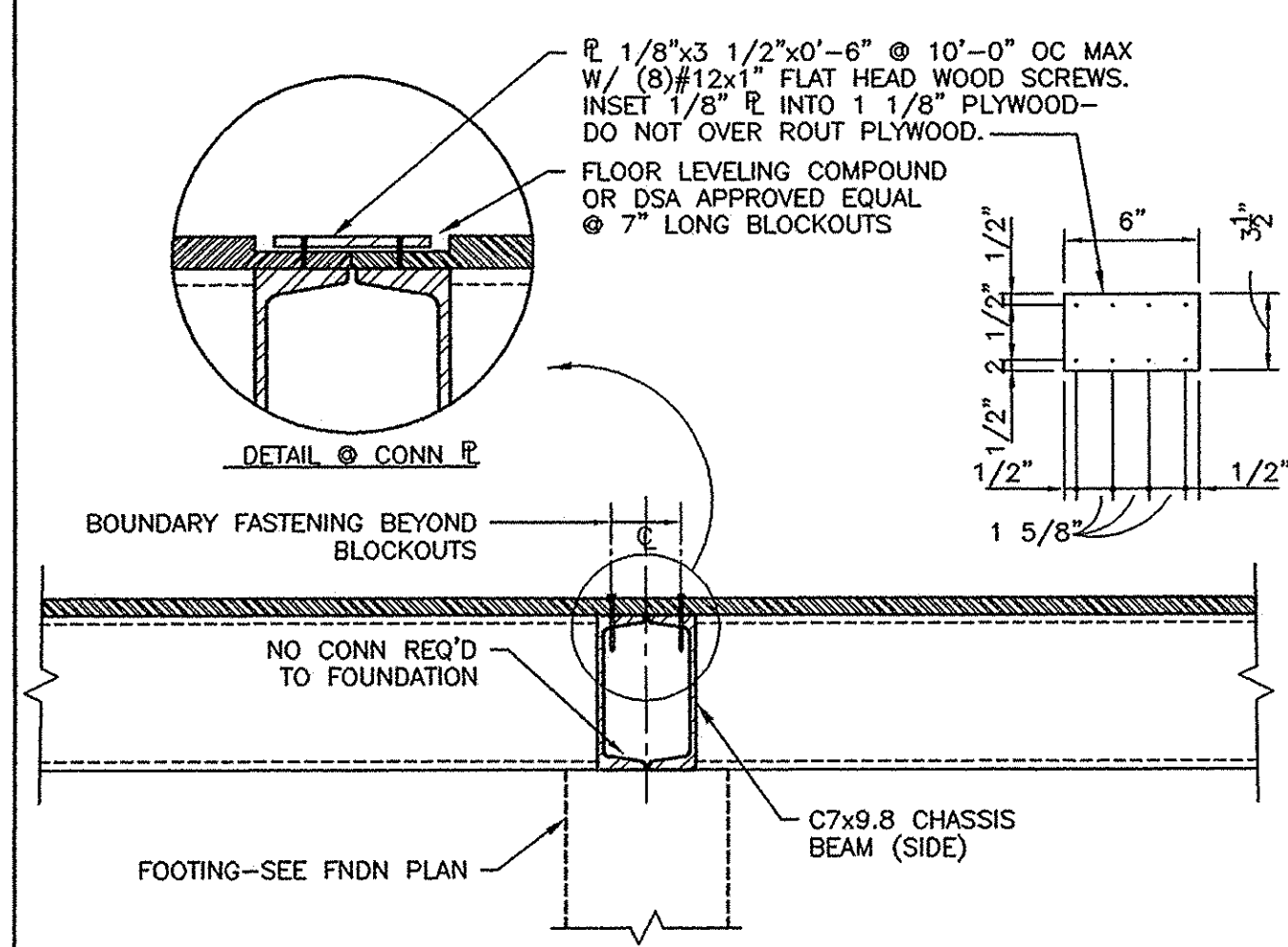
WOOD FOUNDATION PLAN & DETAILS  
50 PSF FLOOR LIVE LOAD

DATE: 5/30/03  
SCALE: AS NOTED  
DRAWN BY: REM  
DESIGNED BY: MGB  
CHECKED BY: KAL  
SERIAL NO.

| REVISIONS |      |             |    |      |             |
|-----------|------|-------------|----|------|-------------|
| NO        | DATE | DESCRIPTION | NO | DATE | DESCRIPTION |
| 1         |      |             | 1  |      |             |
| 2         |      |             | 2  |      |             |
| 3         |      |             | 3  |      |             |
| 4         |      |             | 4  |      |             |
| 5         |      |             | 5  |      |             |

PROJECT No.  
02156-01  
SHEET No.  
S1

P:\02156\01\ACAD\STRU\S2.dwg Time:Jun03,2003-09:43am Log:htwrcw\lmscale:48 LTScale:24



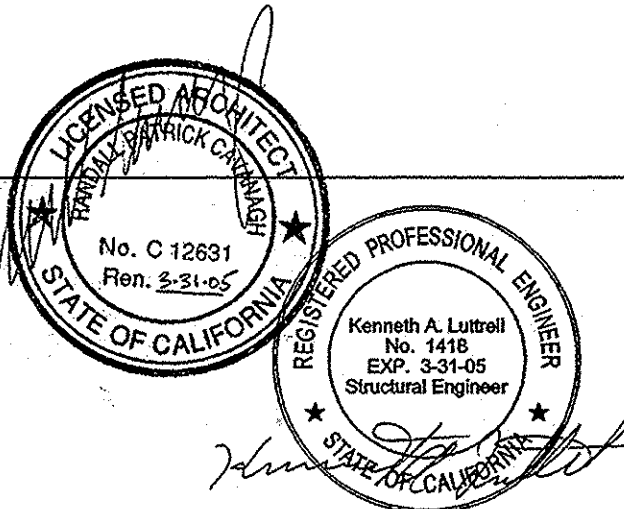
FLOOR FRAMING PLAN  
1/4" = 1'-0"

| LIVE<br>LOAD | SPACING     |             |
|--------------|-------------|-------------|
|              | 14 GA JOIST | 12 GA JOIST |
| 50 PSF       | 48" OC      | 48" OC      |
| 50+20 PSF    | 24" 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.

24 x 40  
RELOCATABLE  
CLASSROOM

**AMS**  
American Modular Systems Inc.  
787 Spreckels Ave. Manteca, CA 95336  
(209)825-1921 Fax (209)825-7018  
americanmodular.com



CUSTOMER:

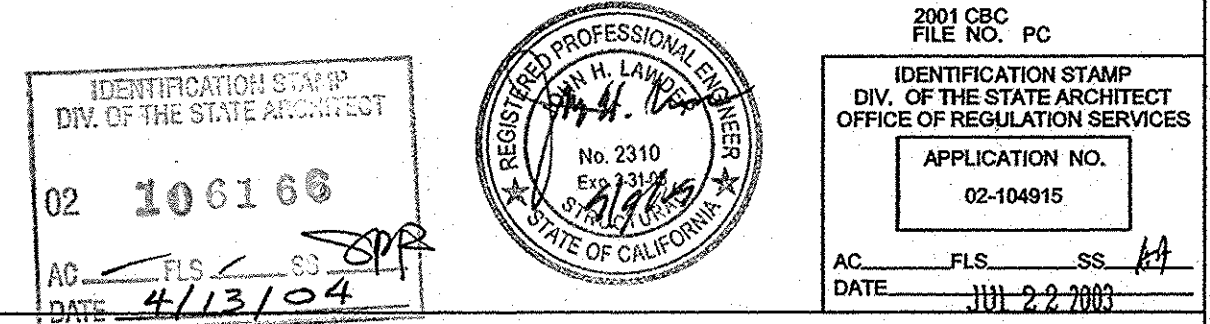
FLOOR FRAMING PLAN  
AND DETAILS

DATE: 5/30/03  
SCALE: AS NOTED  
DRAWN BY: REM  
DESIGNED BY: MDB  
CHECKED BY: KAL  
SERIAL NO.

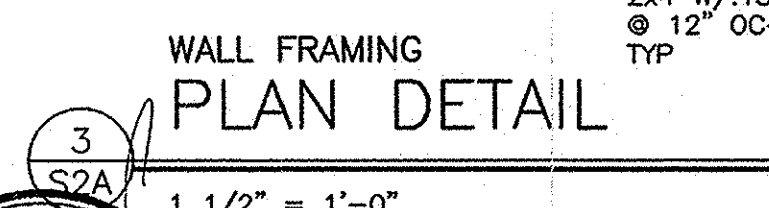
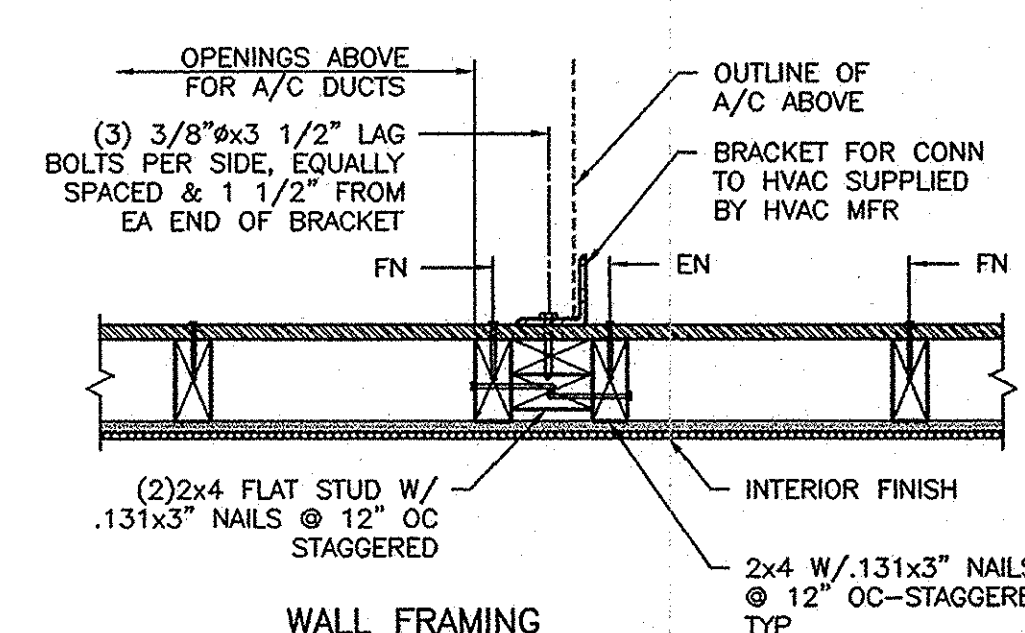
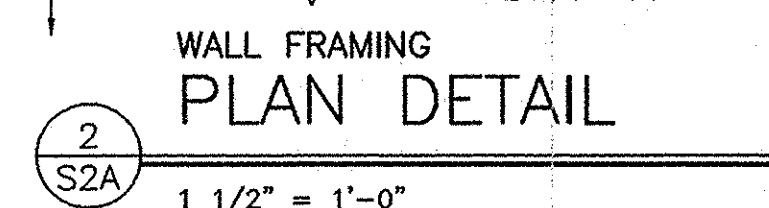
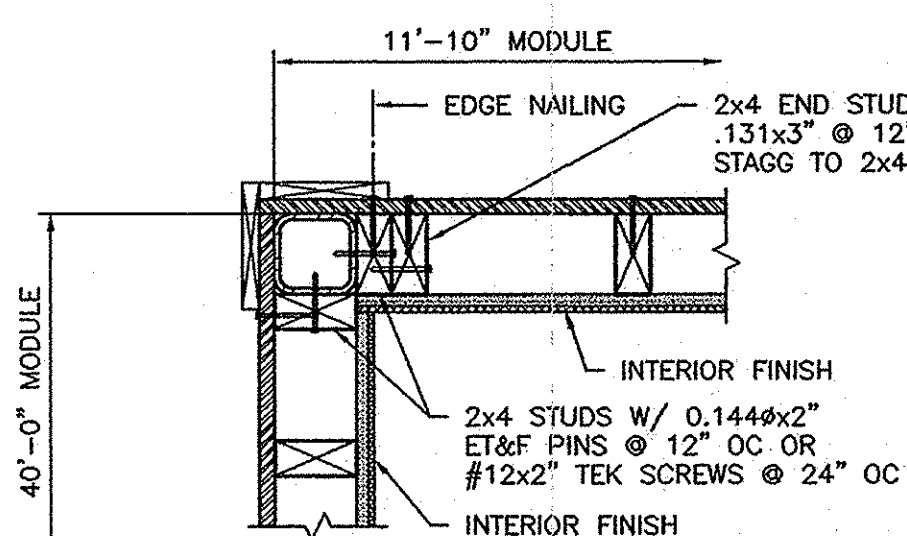
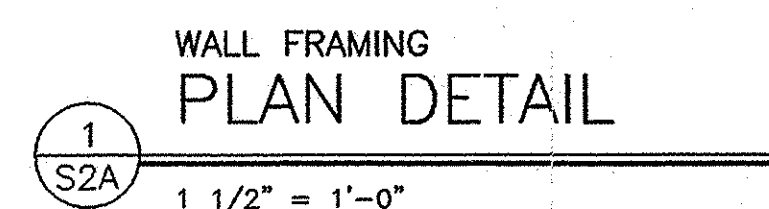
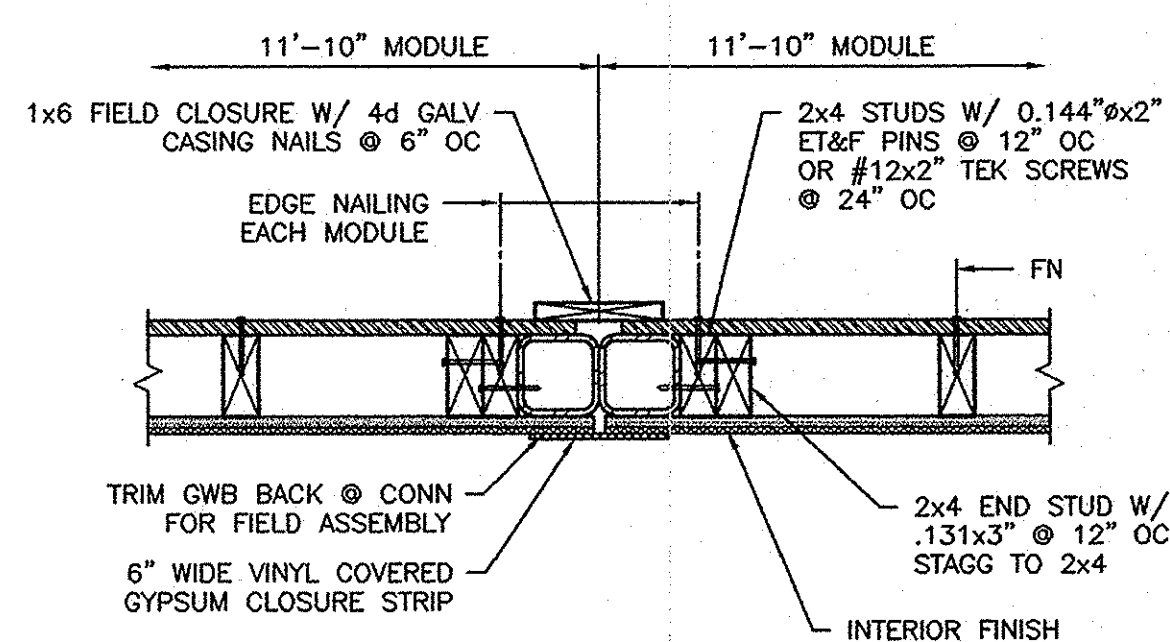
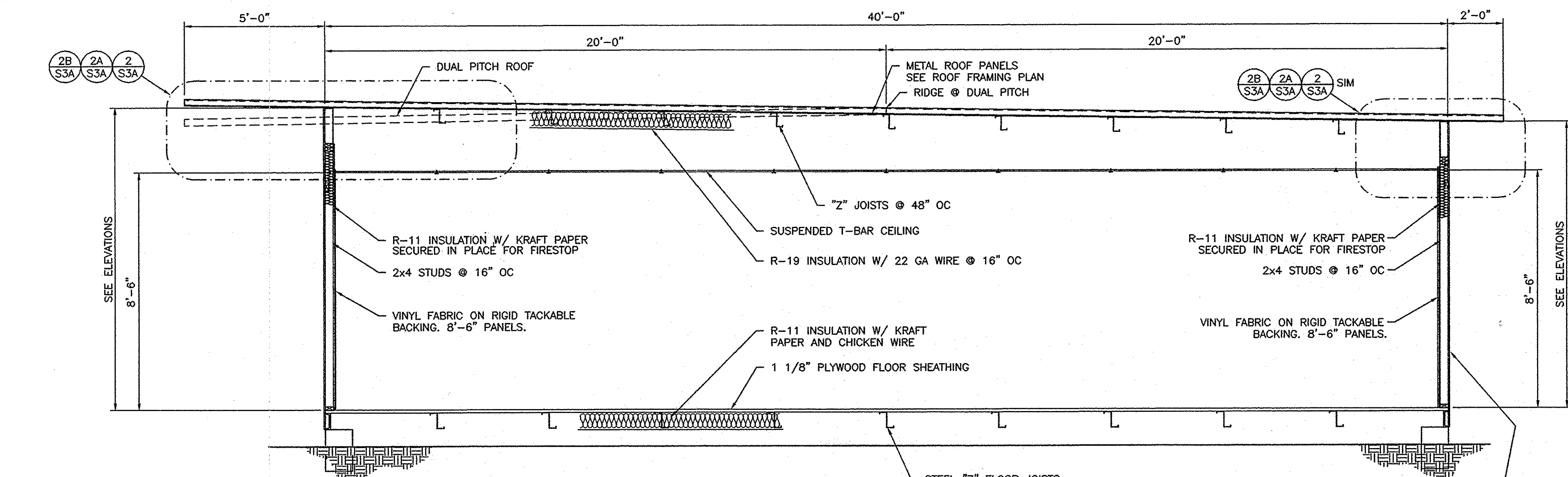
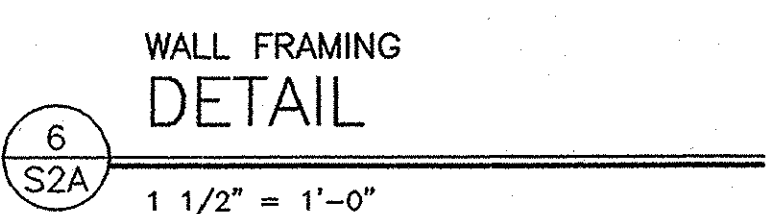
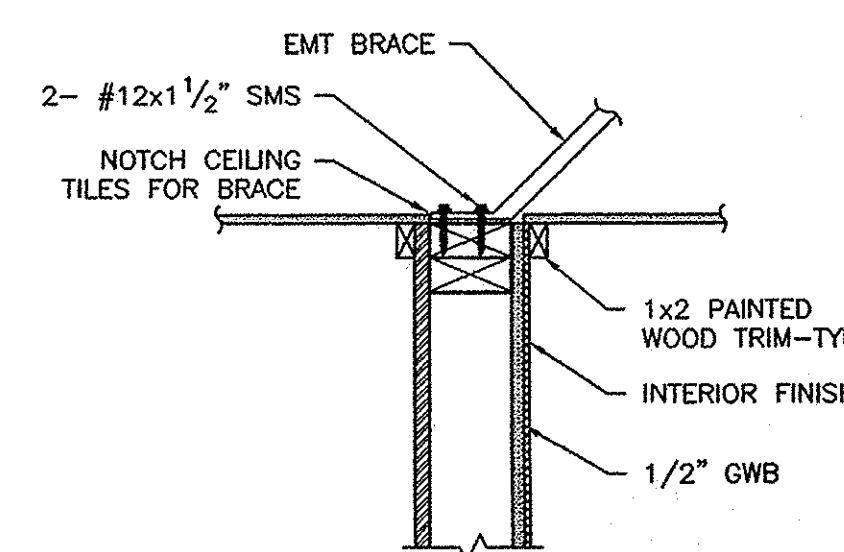
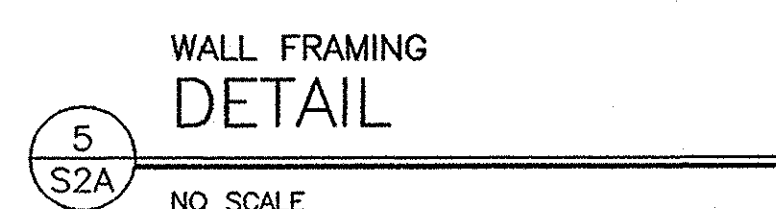
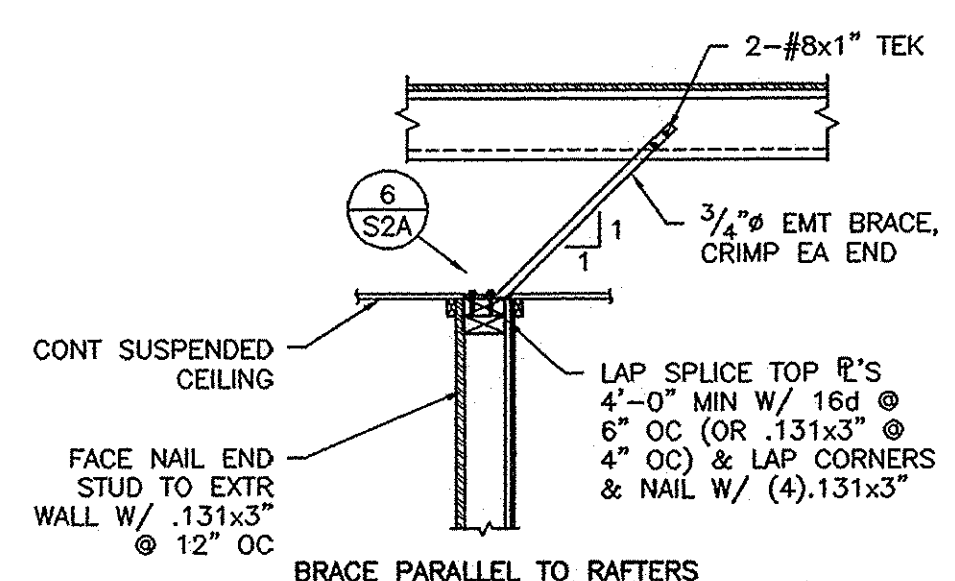
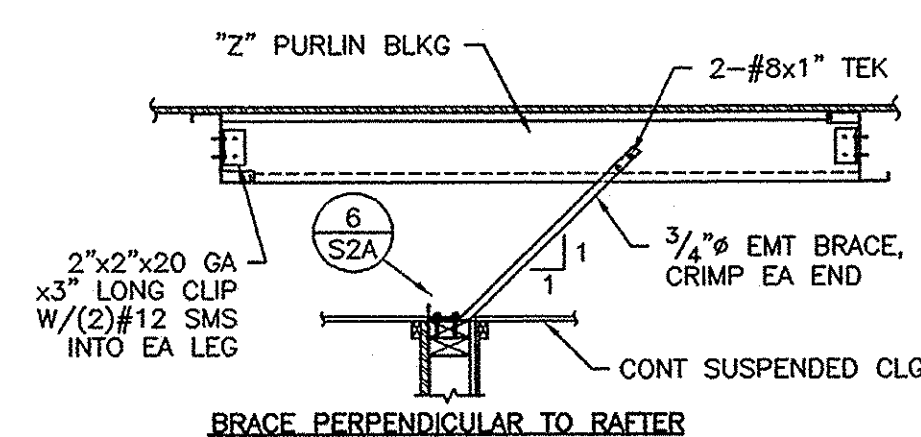
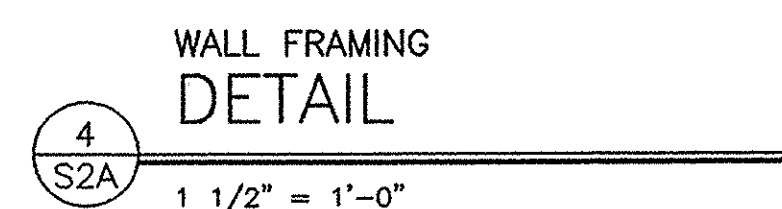
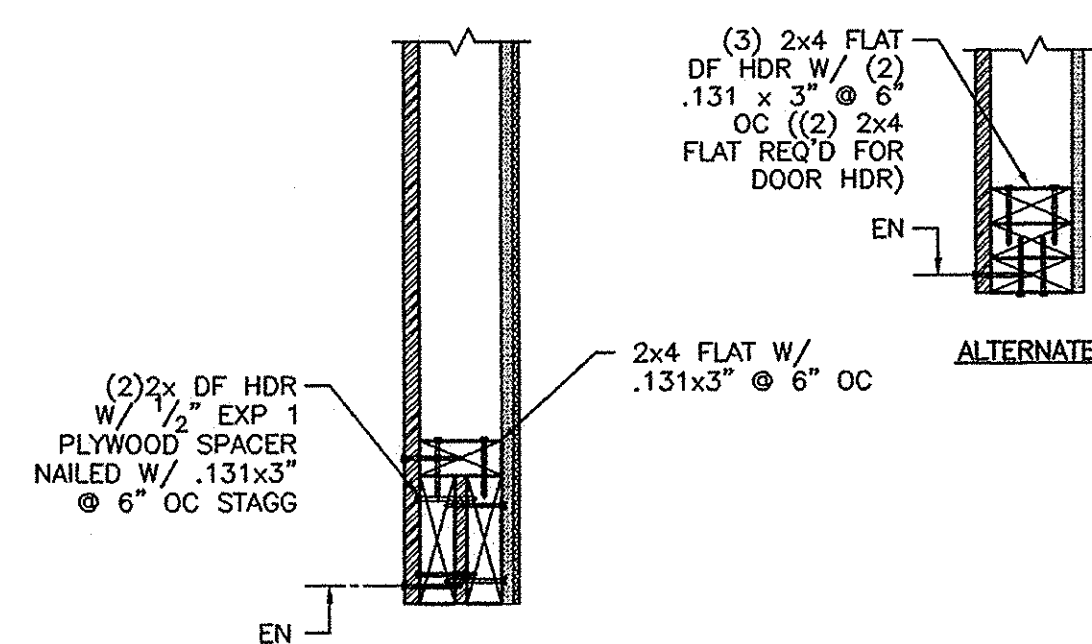
| REVISIONS |      |             |    |      |
|-----------|------|-------------|----|------|
| NO        | DATE | DESCRIPTION | NO | DATE |
| 1         |      |             | 1  |      |
| 2         |      |             | 2  |      |
| 3         |      |             | 3  |      |

PROJECT NO.  
02156-01

SHEET NO.  
S2



2001 CBC  
FILE NO. PC  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
APPLICATION NO.  
02-104915  
AC. FLS. SS. HA  
DATE: JUL 22 2003



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

**B**  
**S2A**

A circular professional seal for John H. Lawler, a Registered Professional Engineer in the State of California. The seal includes the text "REGISTERED PROFESSIONAL ENGINEER", "JOHN H. LAWLER", "No. 2310", "Exp. 3/31/75", and "STRUCTURAL". There are two stars on the left and right sides of the seal. The seal is stamped over the signature of John H. Lawler.

2001 CBC  
FILE NO. PC

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

APPLICATION NO.  
02-104915

AC \_\_\_\_\_ FLS \_\_\_\_\_ SS *Art*  
DATE 1111 0-9-2003



**American Modular Systems Inc.**  
787 Spreckels Ave. Manteca, CA 95336  
(209)825-1921 Fax (209)825-7018  
[americanmodular.com](http://americanmodular.com)

CUSTOMER:

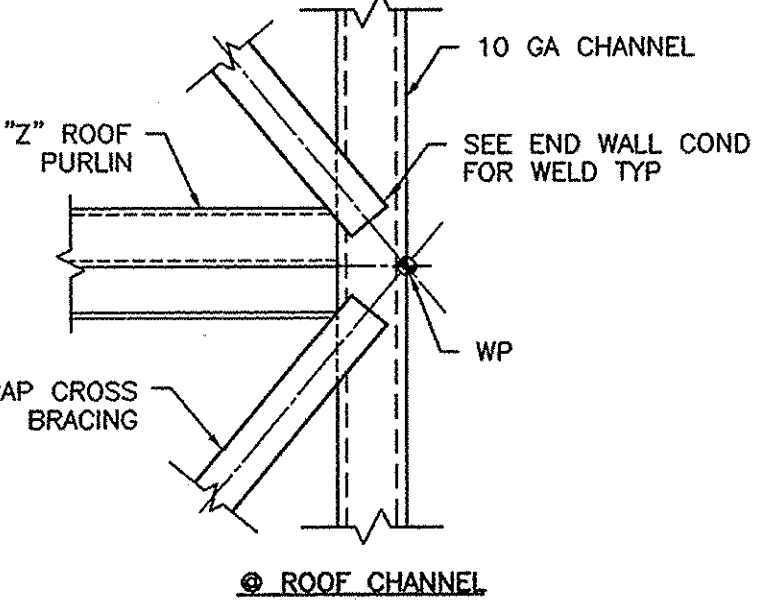
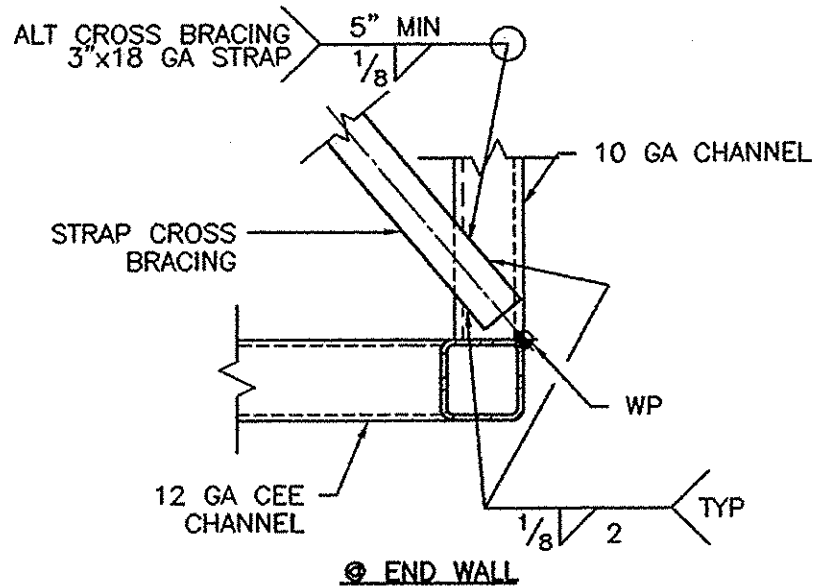
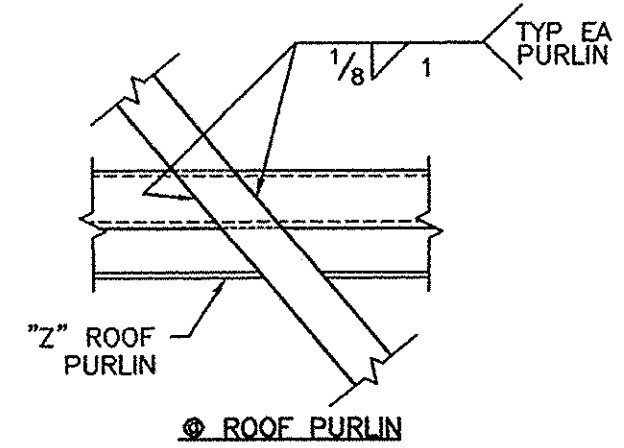
## BUILDING SECTIONS AND WALL DETAILS

|              |          |
|--------------|----------|
| DATE:        | 5/30/03  |
| SCALE:       | AS NOTED |
| DRAWN BY:    | REM      |
| DESIGNED BY: | MDB      |
| CHECKED BY:  | KAL      |
| SERIAL NO.   |          |

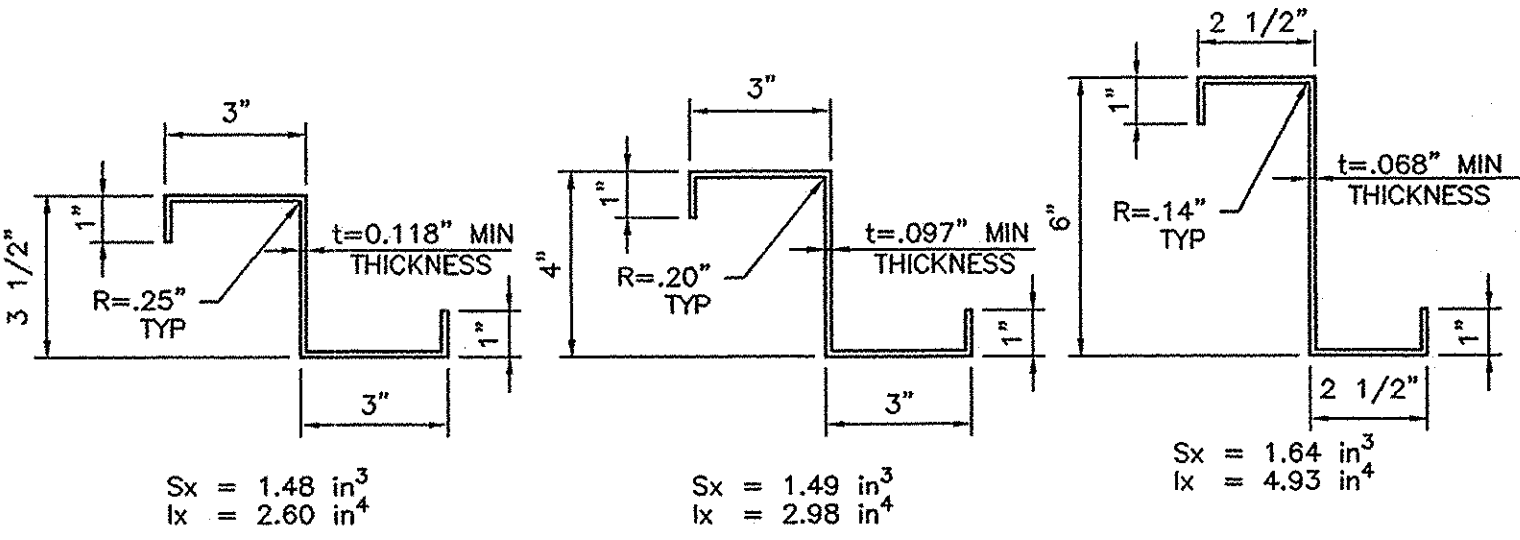
| REVISIONS |      |             |    |      |             |
|-----------|------|-------------|----|------|-------------|
| NO        | DATE | DESCRIPTION | NO | DATE | DESCRIPTION |
| △         |      |             | △  |      |             |
| △         |      |             | △  |      |             |
| △         |      |             | △  |      |             |
| △         |      |             | △  |      |             |

PROJECT No.  
02156-01

SHEET No.  
S2A

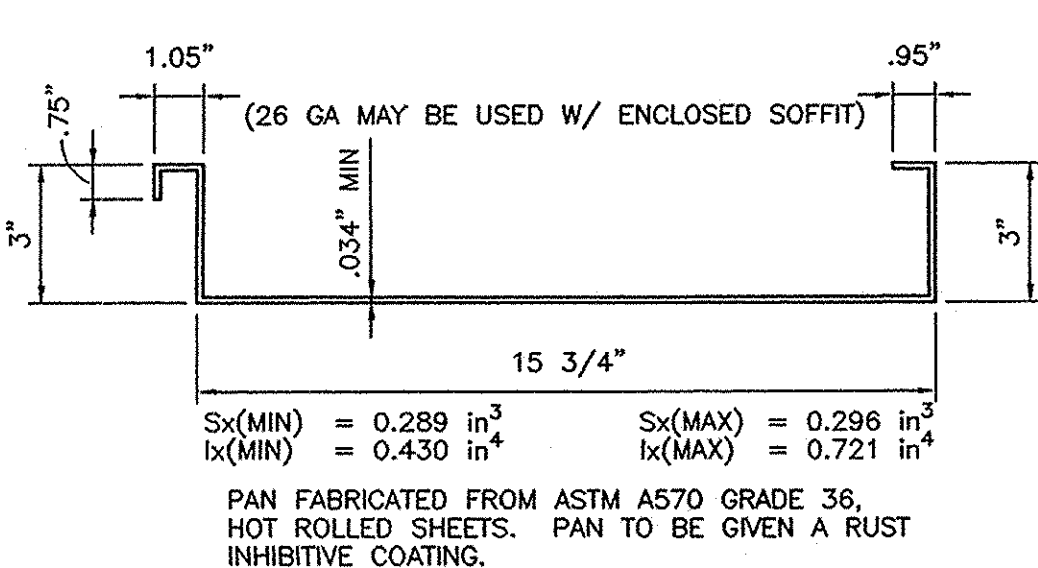


**CROSS BRACING DETAIL**  
1 S3  
1 1/2" = 1'-0"

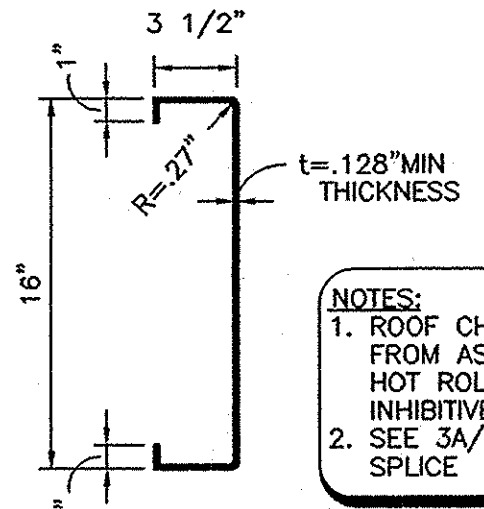


JOIST FABRICATED FROM ASTM A570 GRADE 36, HOT ROLLED SHEETS. JOISTS TO BE GIVEN A RUST INHIBITIVE COATING.

**DETAIL**  
2 S3  
3" = 1'-0"



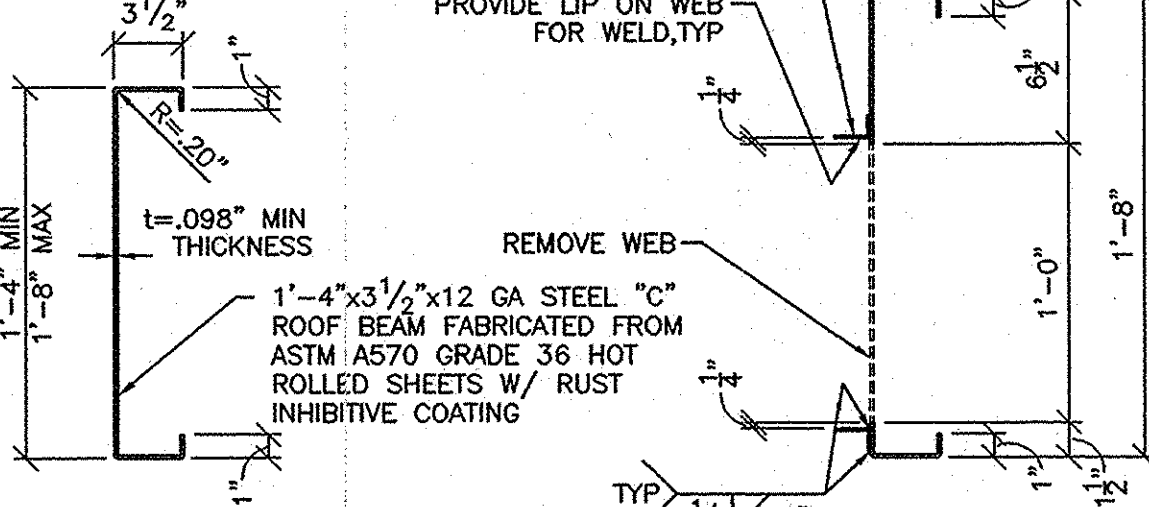
**DETAIL**  
3 S3  
3" = 1'-0"



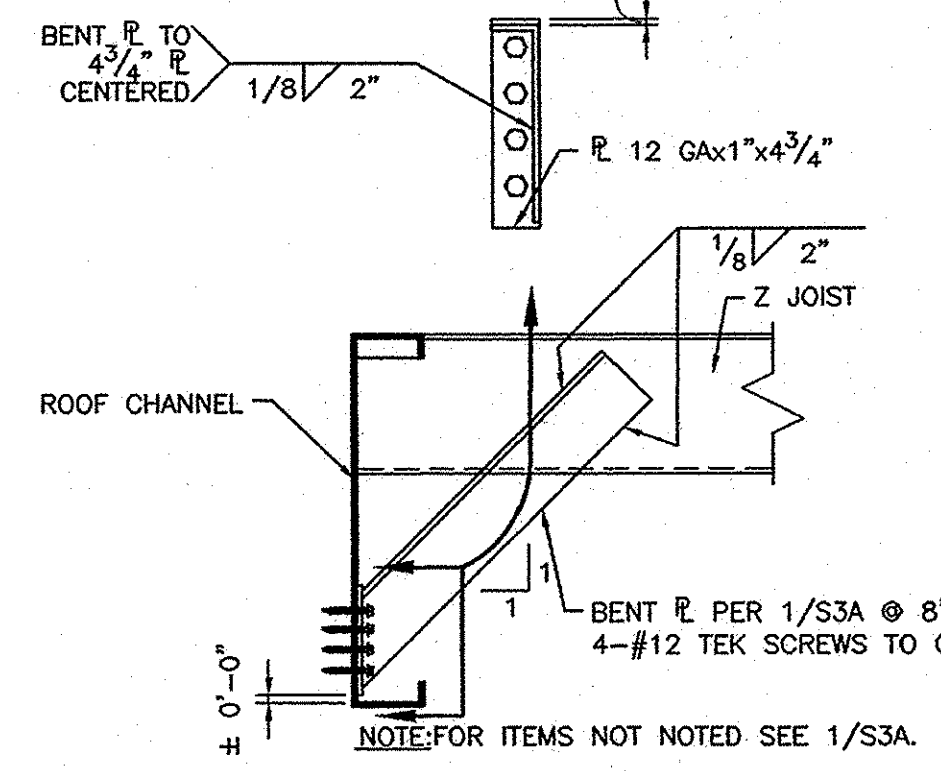
**PROPERTIES:**  
A = 3.212 in<sup>2</sup>  
Sx = 13.85 in<sup>3</sup>  
Ix = 110.8 in<sup>4</sup>

**DETAIL**  
4 S3  
1 1/2" = 1'-0"

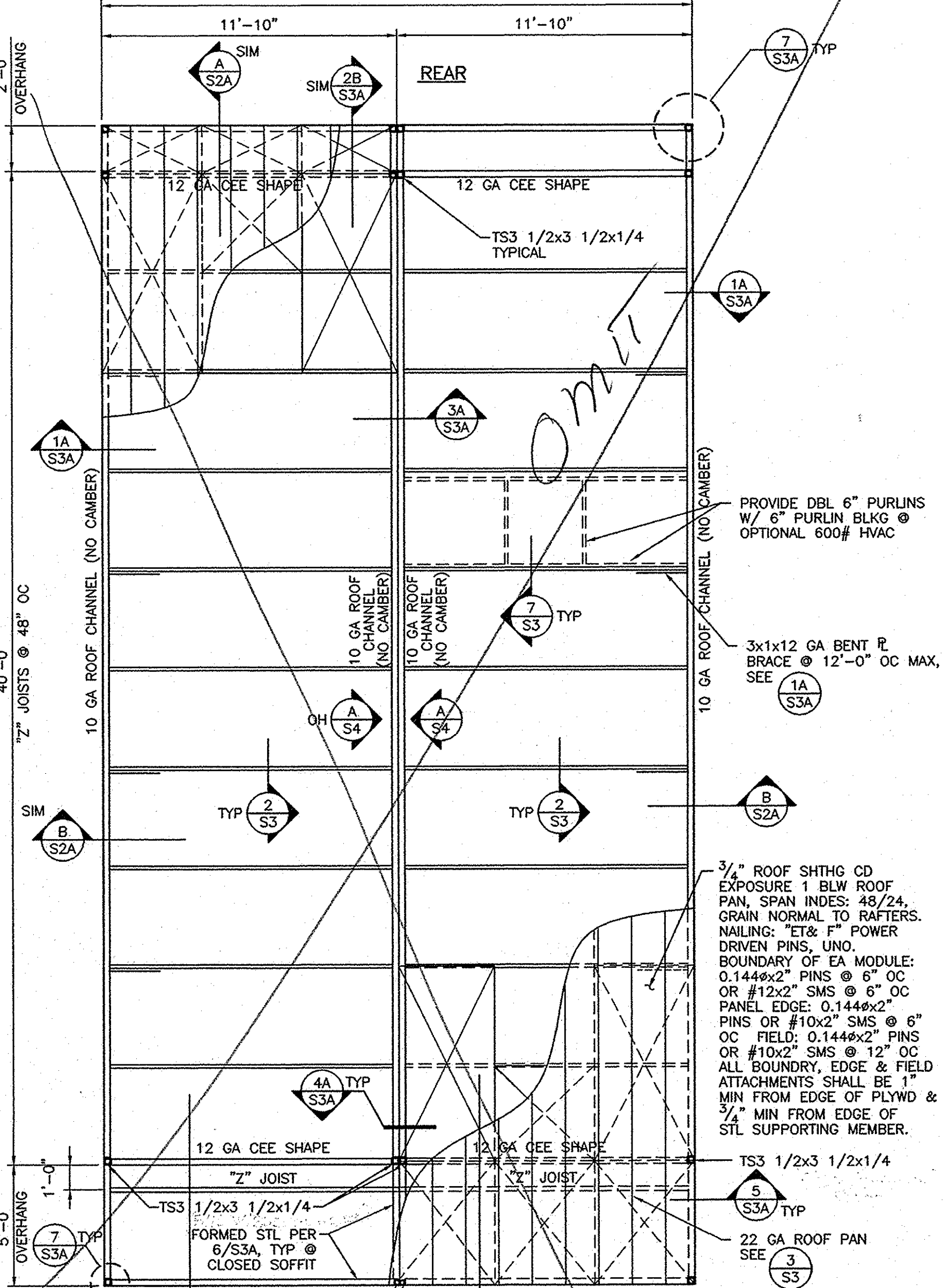
**C SECTION PROPERTIES**  
D=1'-4"  
A=2.44 in<sup>2</sup>  
Sx=10.54 in<sup>3</sup>  
Ix=84.82 in<sup>4</sup>



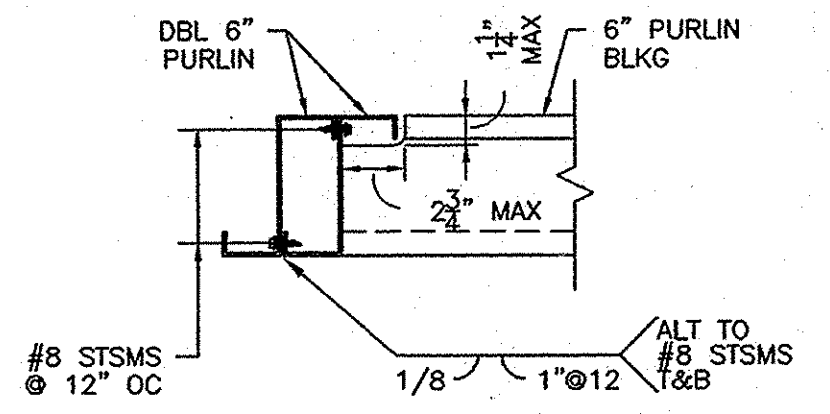
**DETAIL**  
5 S3  
1 1/2" = 1'-0"



**DETAIL**  
6 S3  
1 1/2" = 1'-0"



**DETAIL**  
7 S3  
1 1/2" = 1'-0"



**DETAIL**  
7 S3  
1 1/2" = 1'-0"

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
FILE NO. 02 106168  
AC. FLS. SS. 804  
DATE 4/13/04

REGISTERED PROFESSIONAL ENGINEER  
No. 2310  
Exp. 5/31/05  
STATE OF CALIFORNIA

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
APPLICATION NO. 02-104815  
AC. FLS. SS. 84  
DATE JUL 22 2003

PROJECT No. 02156-01  
SHEET No. S3

24 x 40  
RELOCATABLE  
CLASSROOM

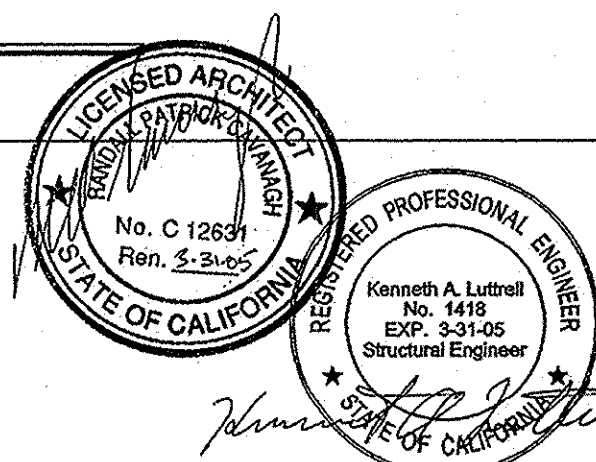
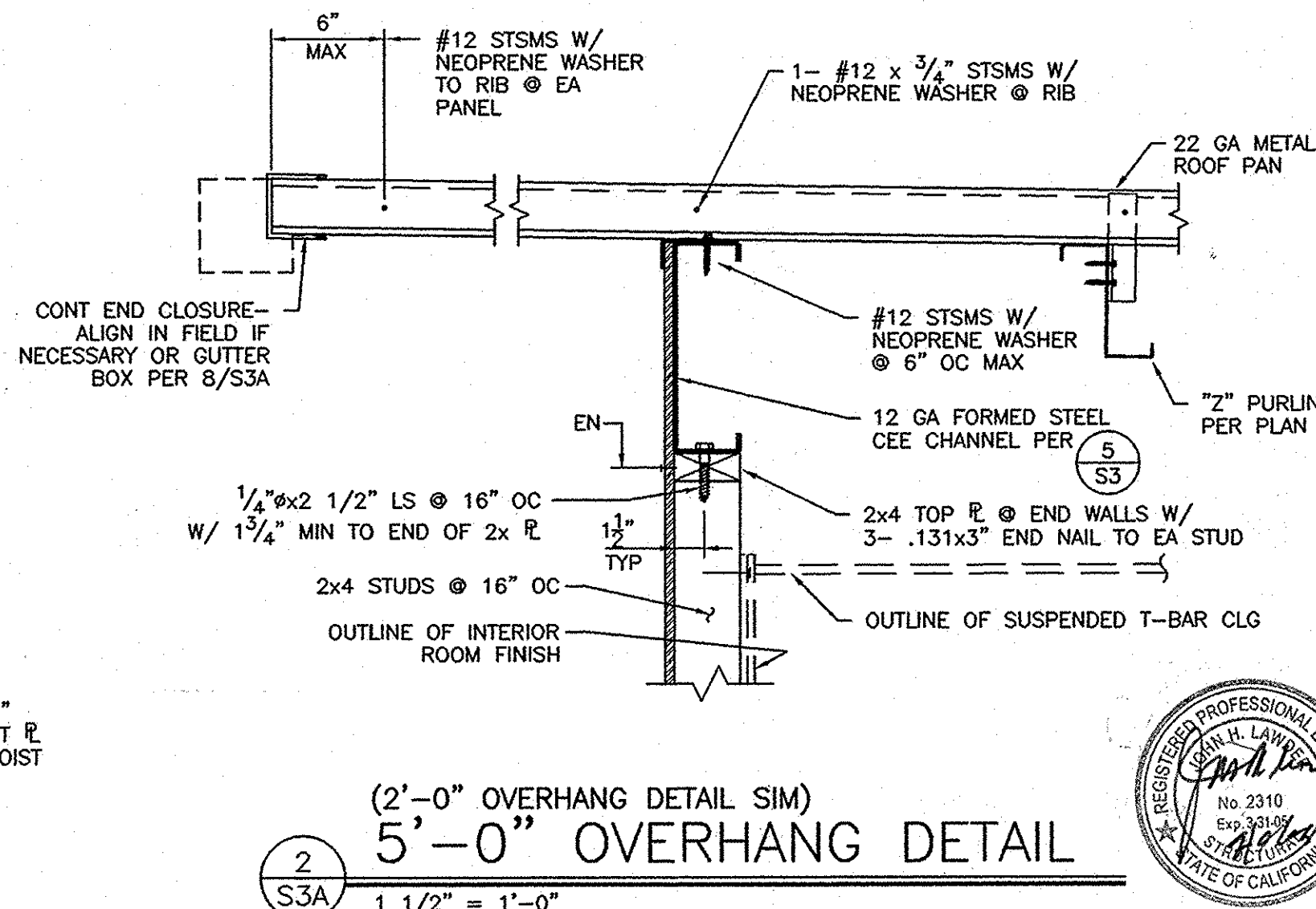
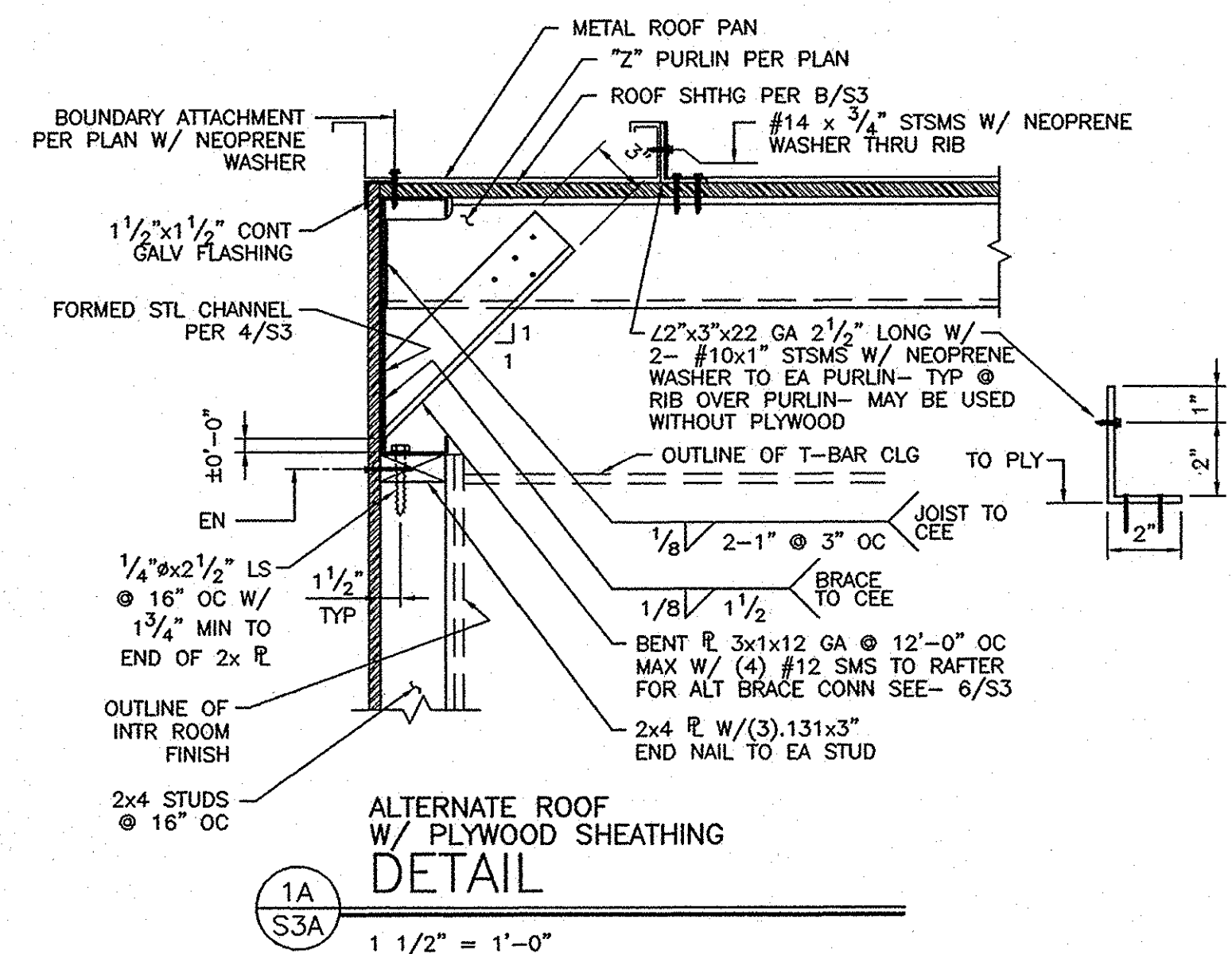
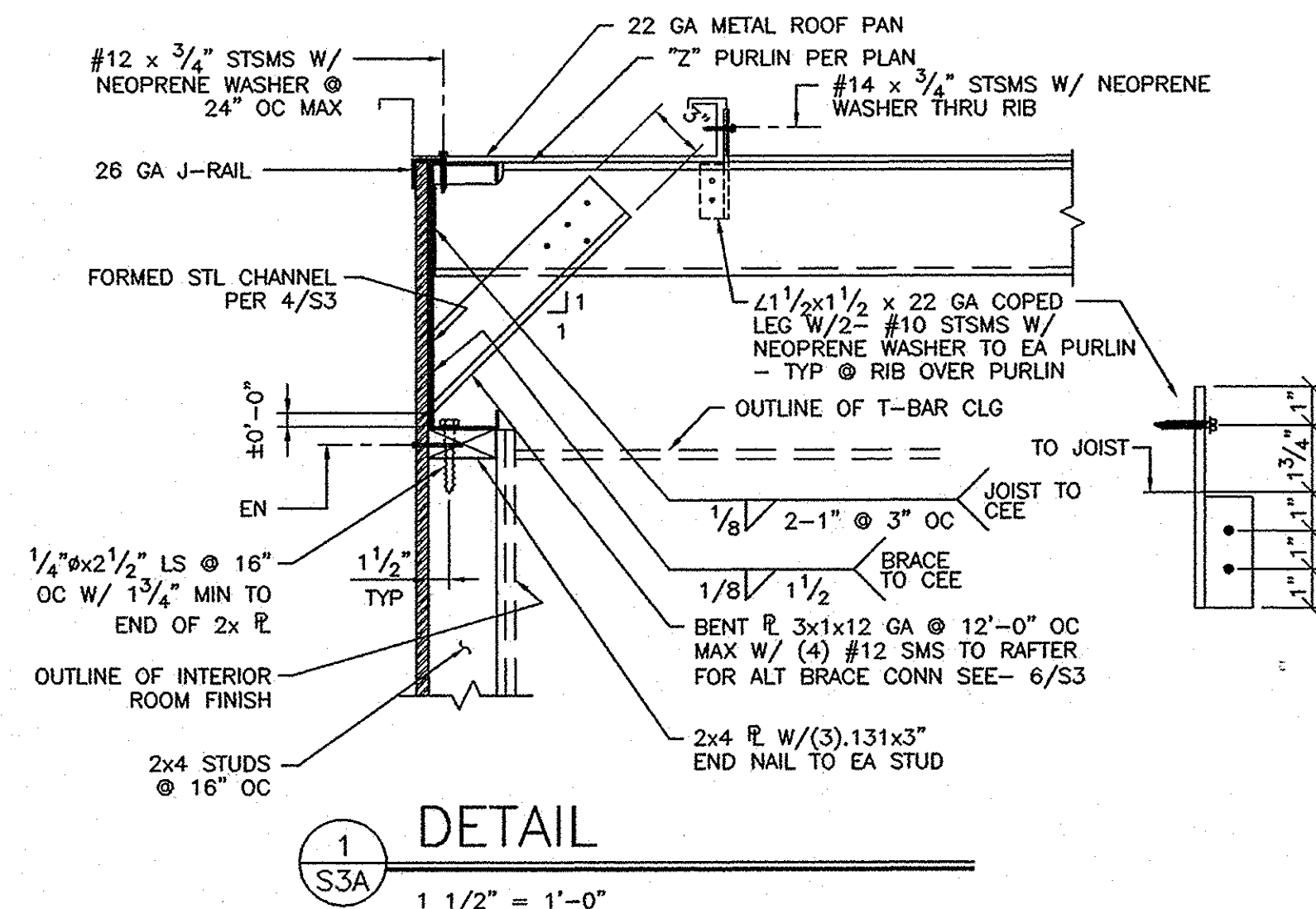
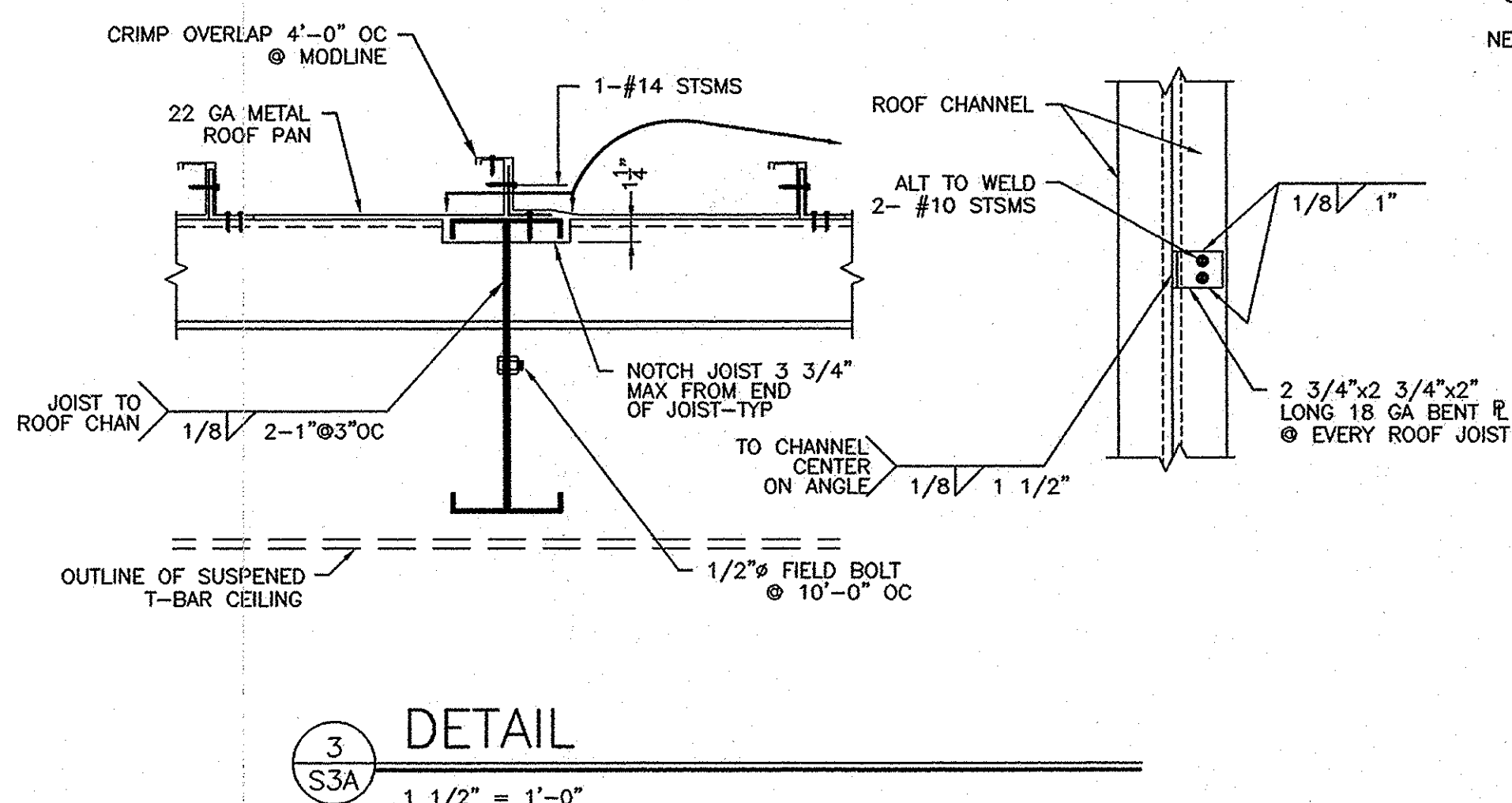
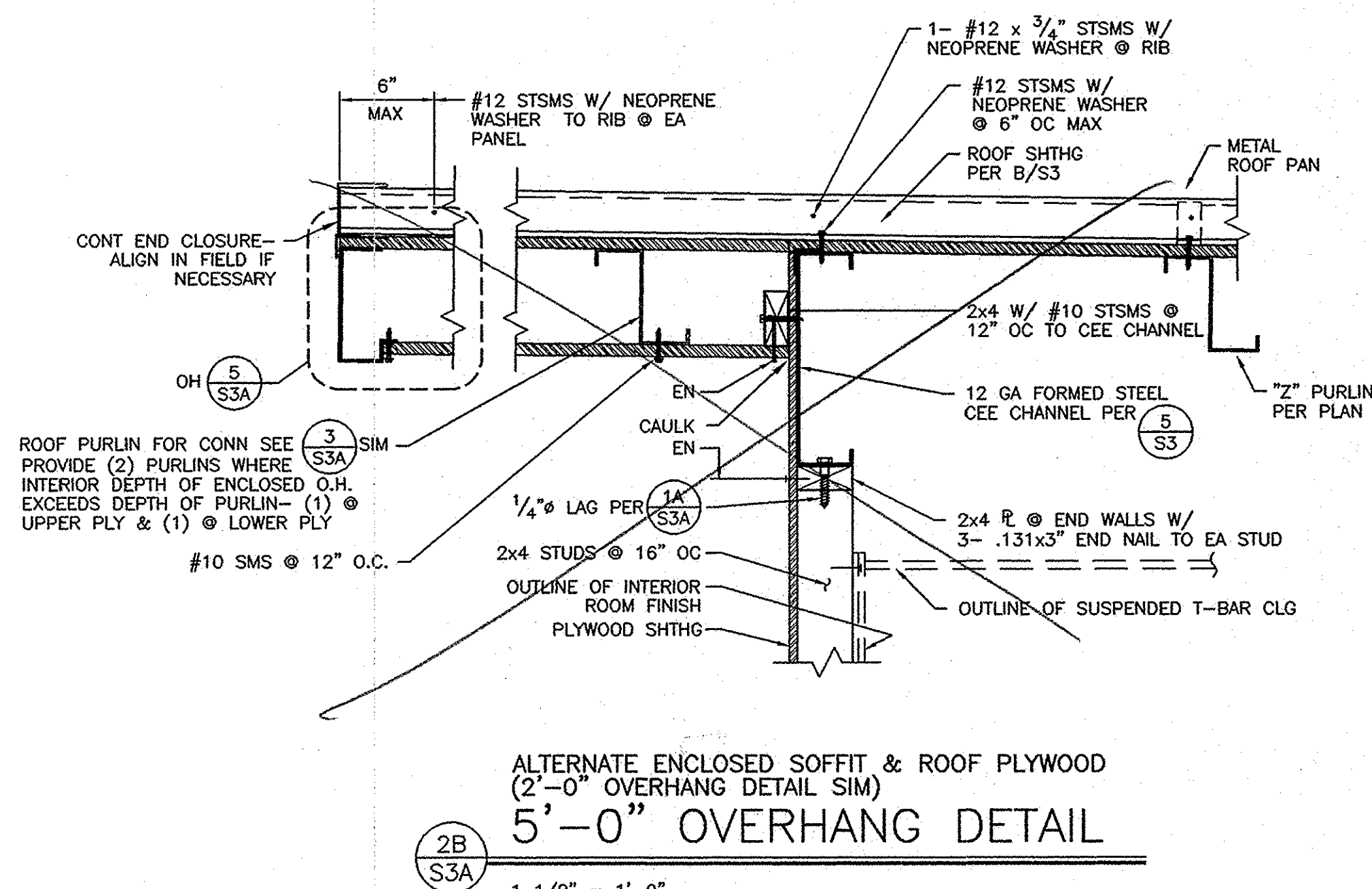
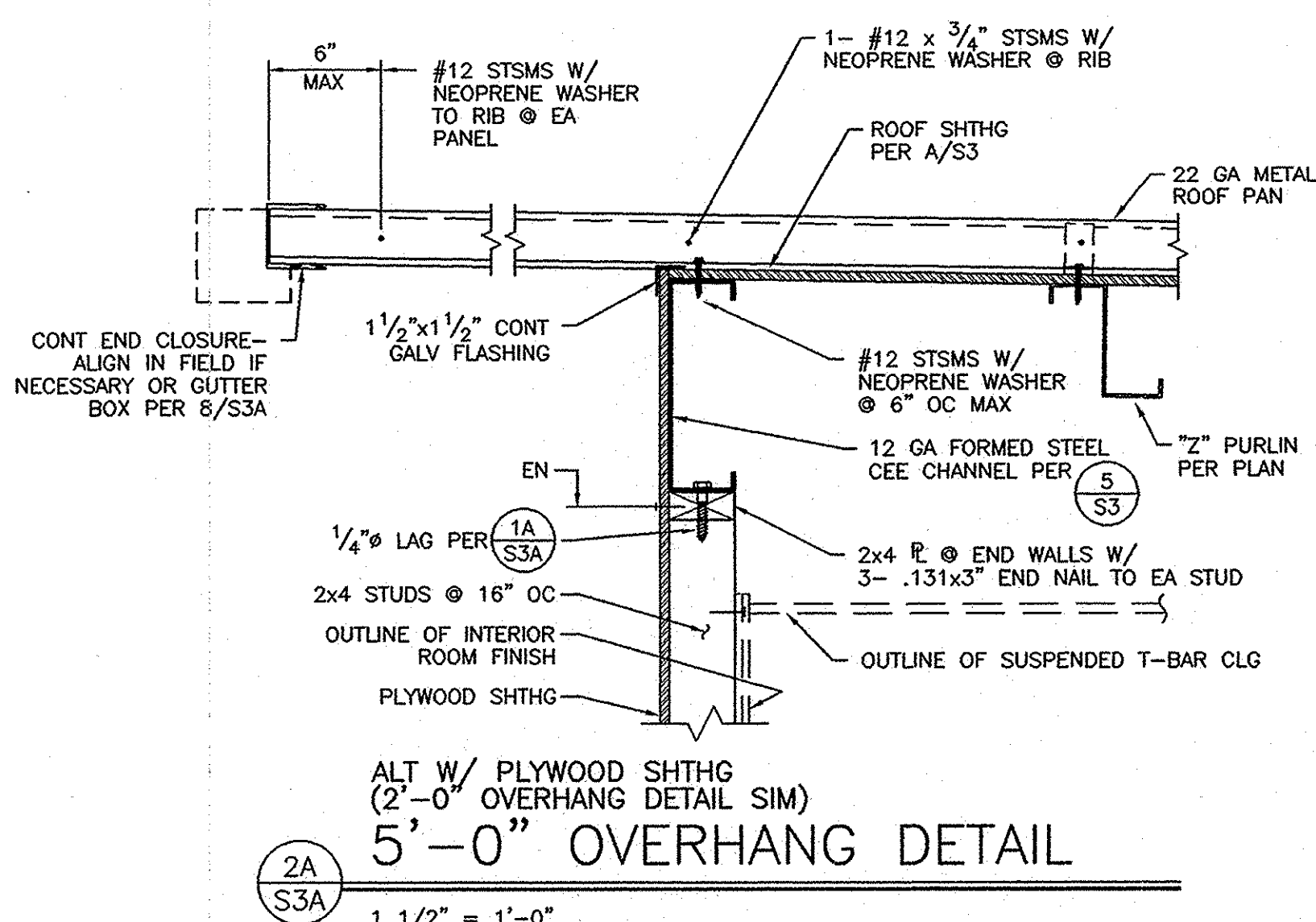
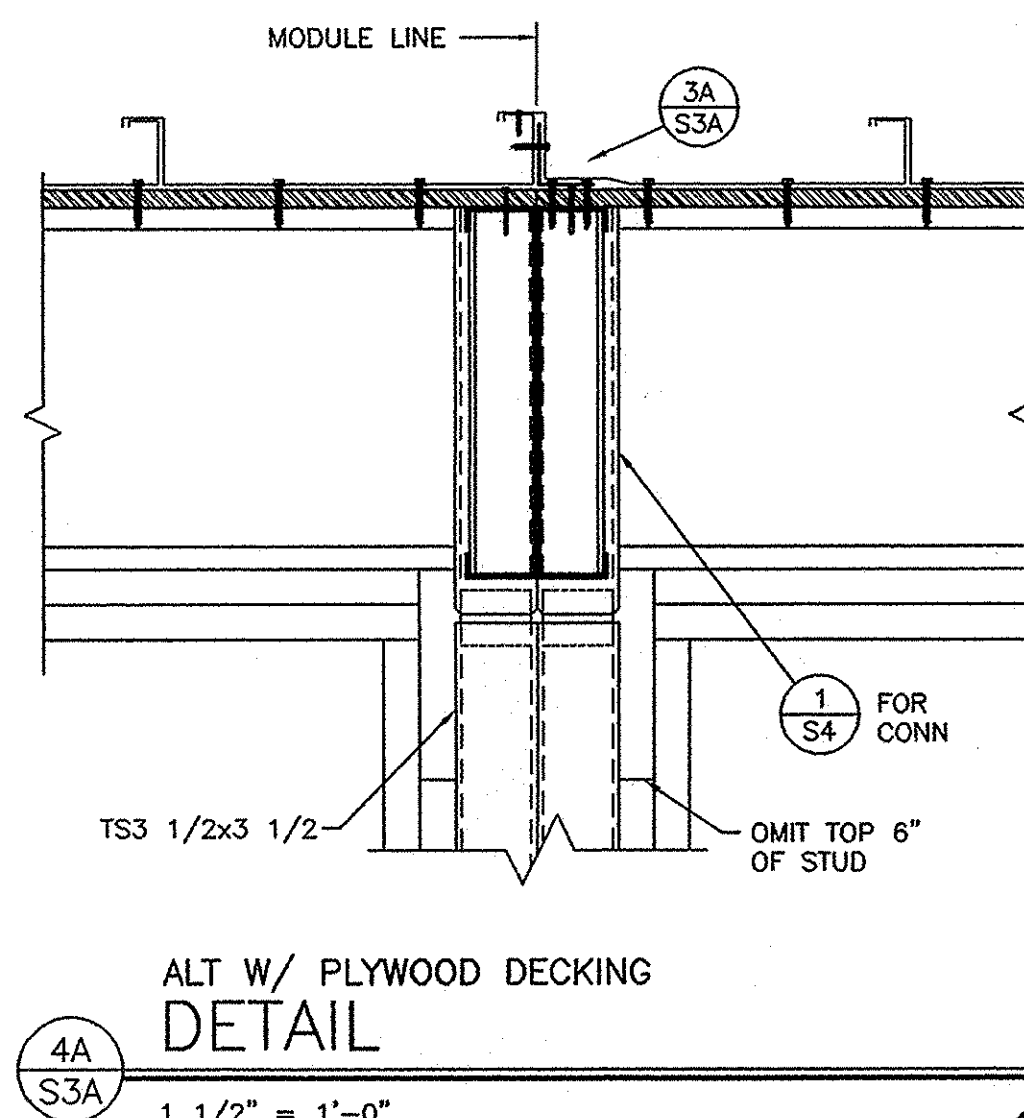
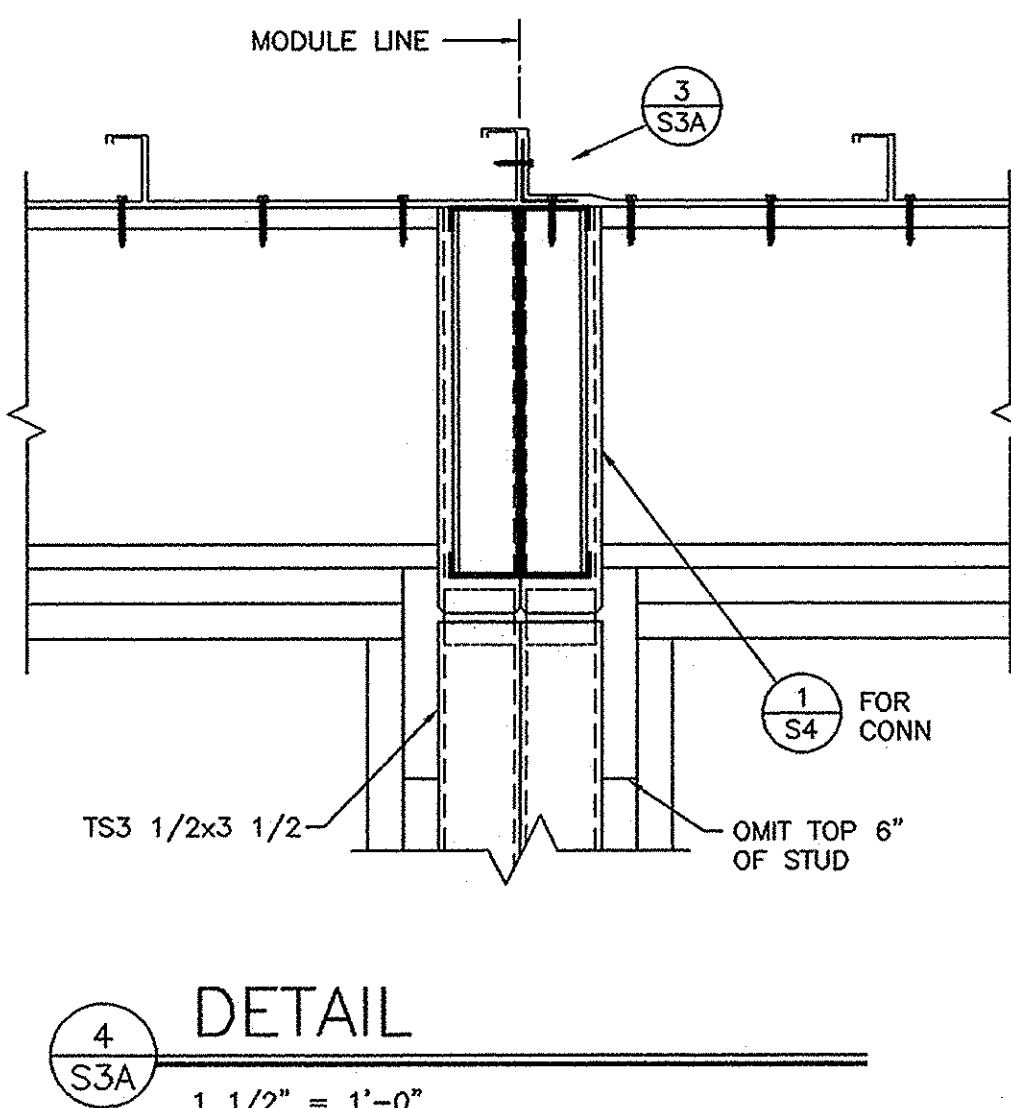
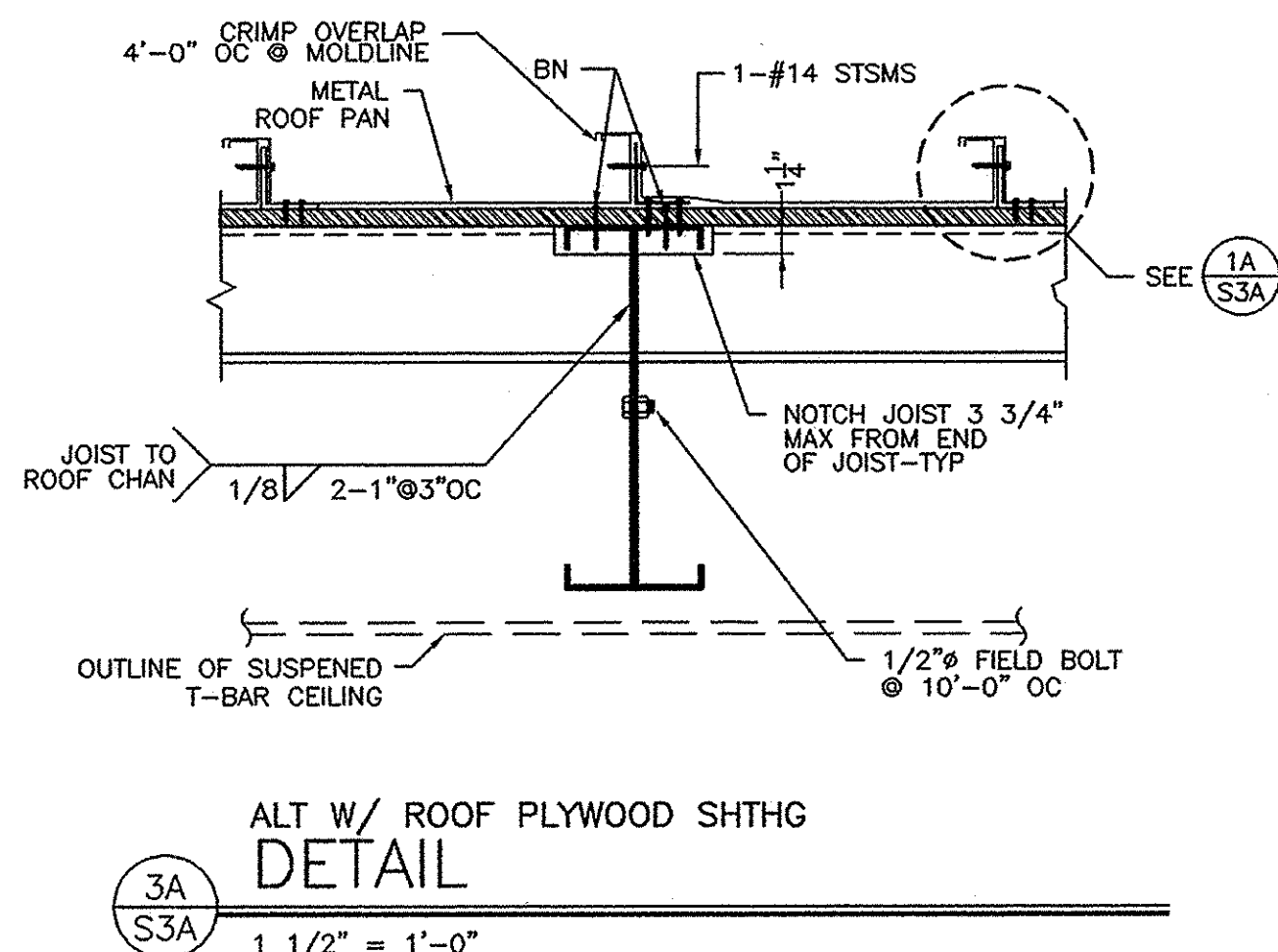
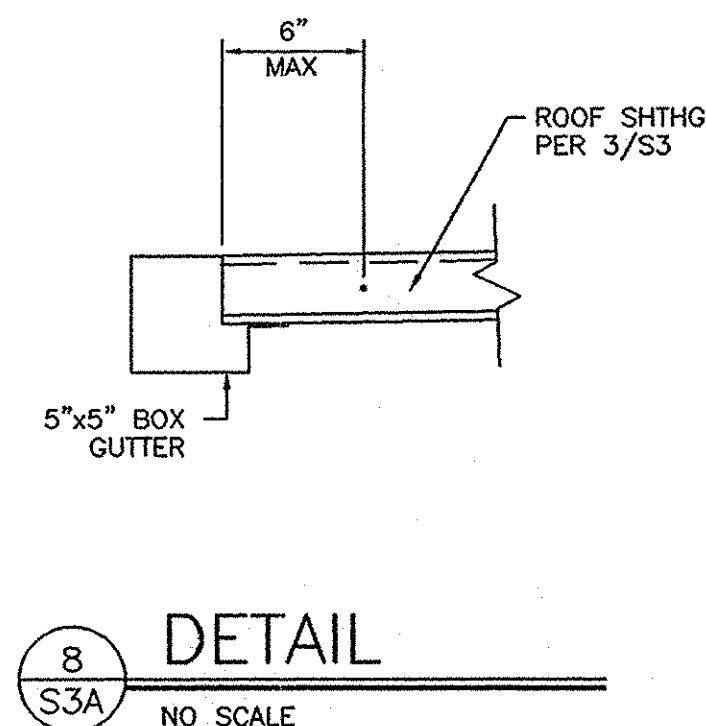
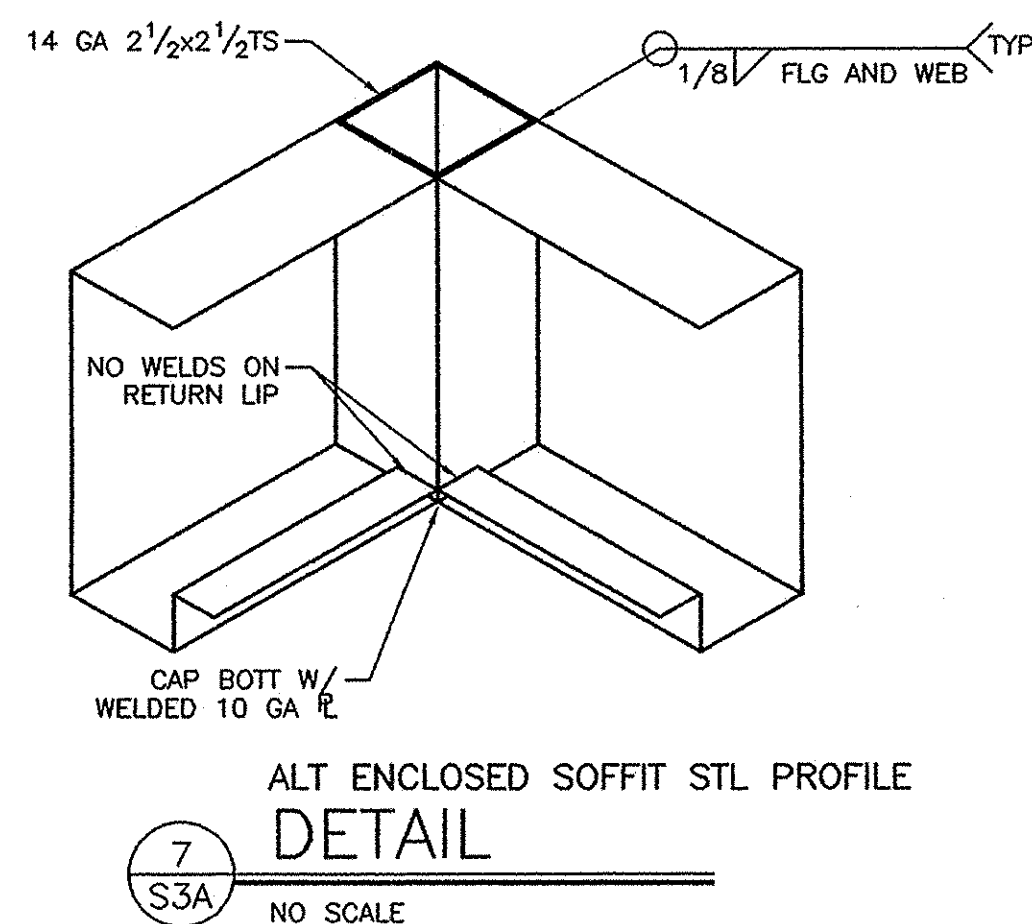
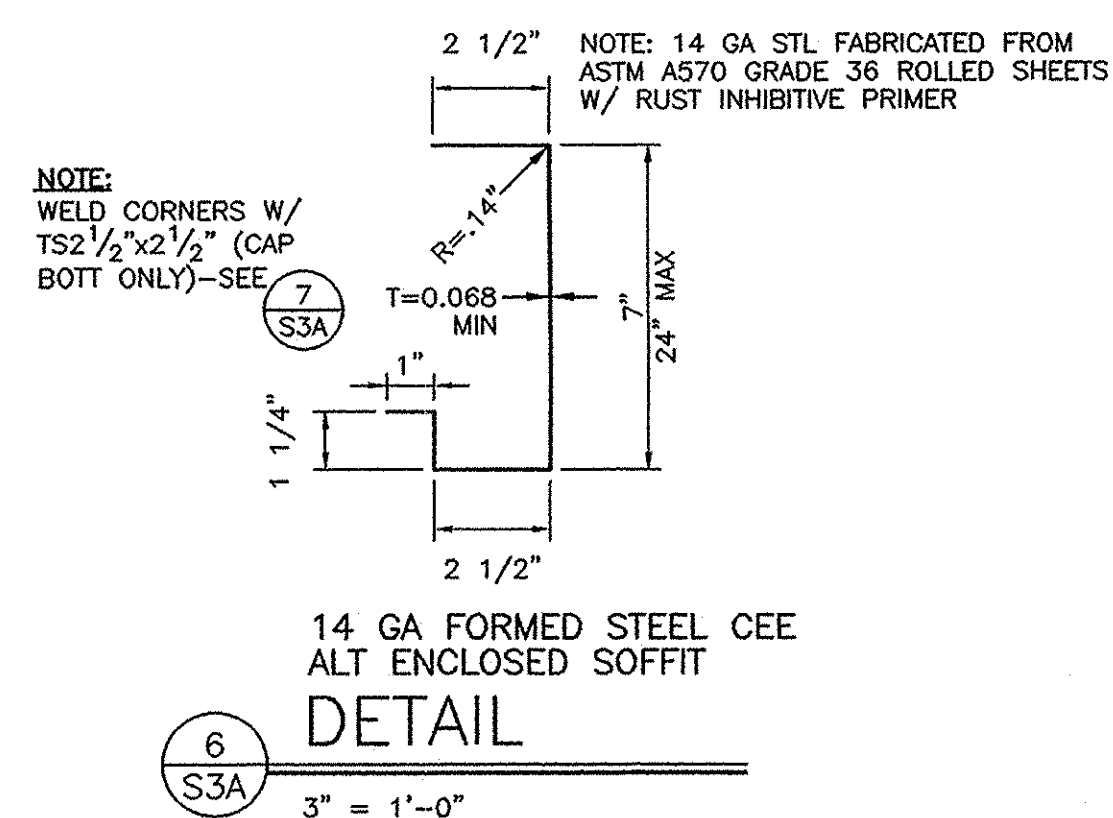
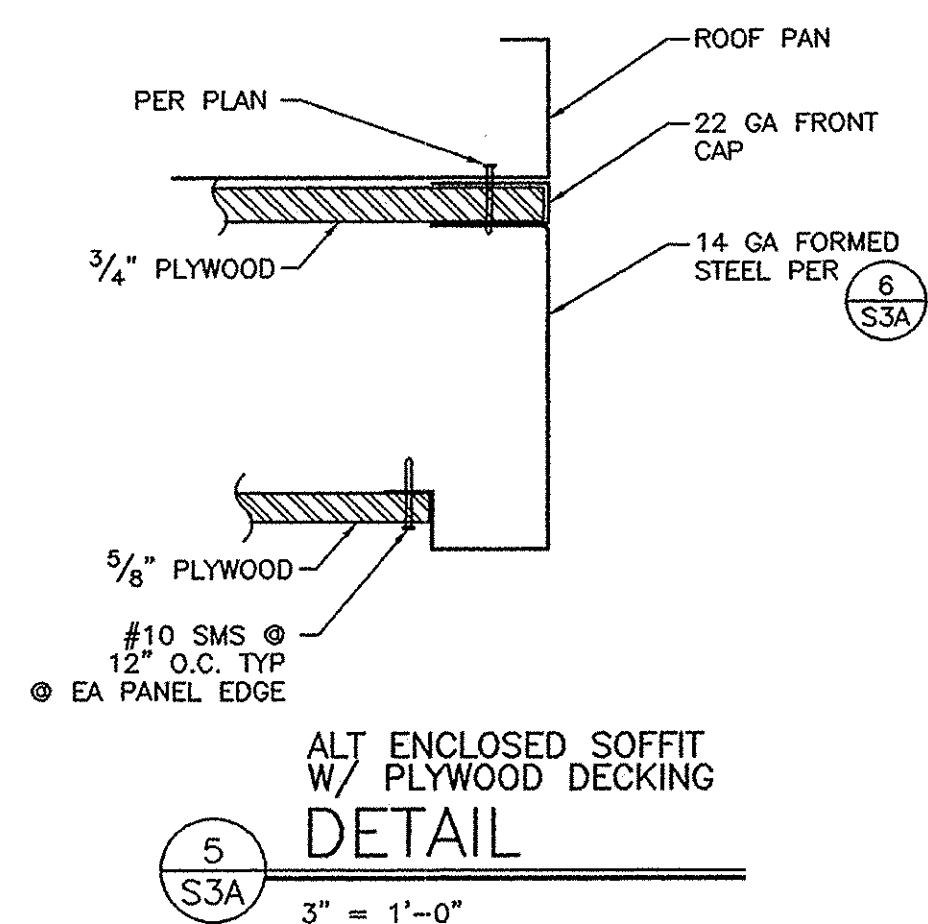
**AMS**  
American Modular Systems Inc.  
787 Spreckels Ave. Manteca, CA 95336  
(209)825-1921 Fax (209)825-7018  
americanmodular.com

REGISTERED ARCHITECT  
No. C 12831  
Ren. 5-2-05  
Kenneth A. Luttrell  
No. 1416  
Exp. 5/31/05  
Structural Engineer

CUSTOMER:  
**ROOF FRAMING PLAN AND DETAILS**

DATE: 5/30/03  
SCALE: AS NOTED  
DRAWN BY: REM  
DESIGNED BY: MDB  
CHECKED BY: KAL  
SERIAL NO.

| REVISIONS |      |             |  |
|-----------|------|-------------|--|
| NO        | DATE | DESCRIPTION |  |
|           |      |             |  |
|           |      |             |  |
|           |      |             |  |



CUSTOMER: \_\_\_\_\_

ROOF SECTIONS AND DETAILS

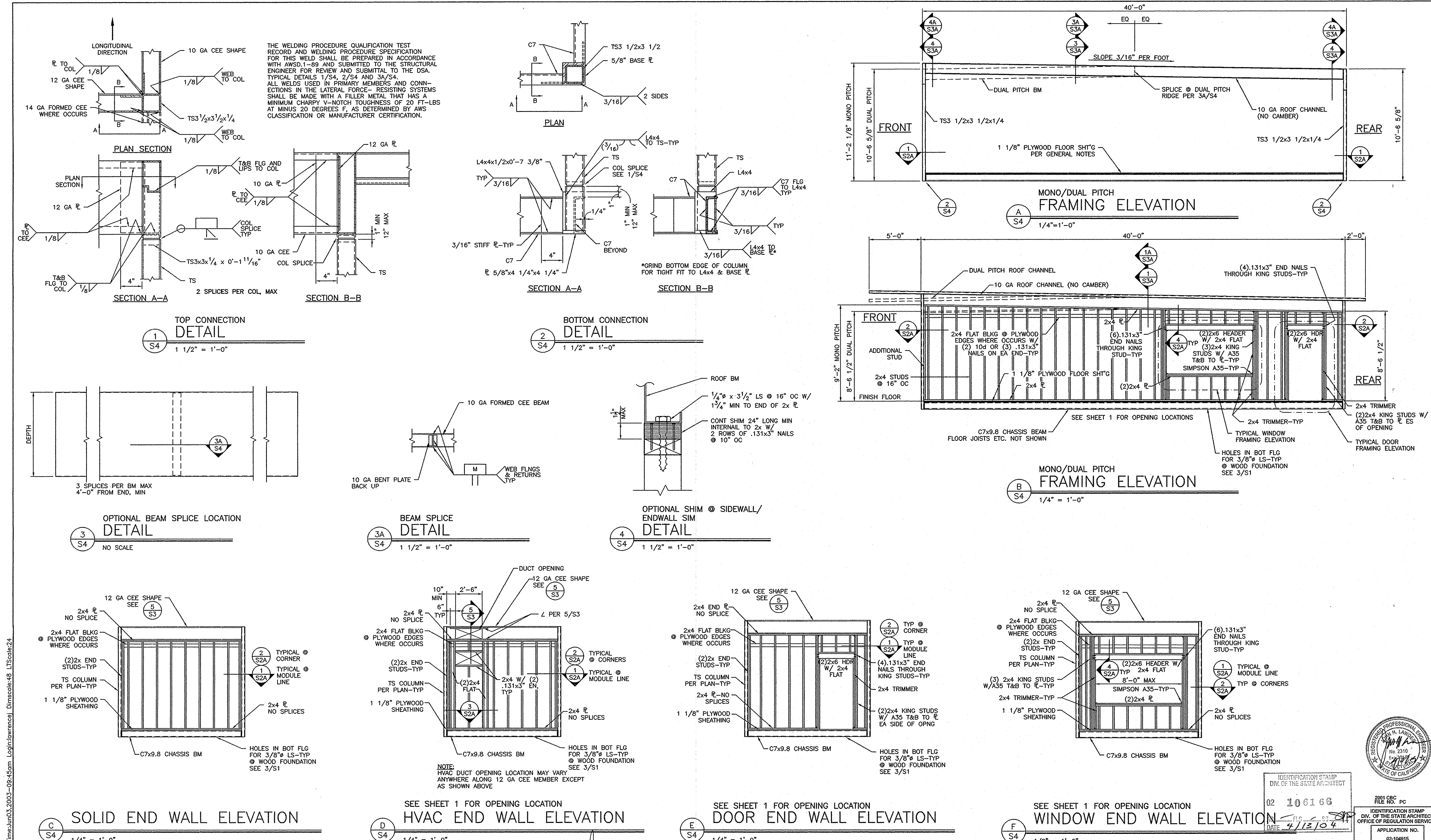
DATE: 5/30/03  
 SCALE: AS NOTED  
 DRAWN BY: REM  
 DESIGNED BY: MDB  
 CHECKED BY: KAL  
 SERIAL NO. \_\_\_\_\_

| REVISIONS |      |             |    |      |             |
|-----------|------|-------------|----|------|-------------|
| NO        | DATE | DESCRIPTION | NO | DATE | DESCRIPTION |
|           |      |             |    |      |             |
|           |      |             |    |      |             |
|           |      |             |    |      |             |

PROJECT No. 02156-01

SHEET No. S3A

P:\02156\01\ACAD\STRU\S4.dwg Time:Jun03,2003--09:45am Login:lawrence\l48 LTScale:24



**AMS**  
American Modular Systems Inc.  
787 Spreckels Ave, Manteca, CA 95336  
(209)825-1921 Fax (209)825-7018  
americanmodular.com

REGISTERED ARCHITECT  
No. C 12631  
Ren. 2-31-05  
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER  
Kenneth A. Luthi  
No. 1416  
Exp. 3-31-05  
Structural Engineer  
STATE OF CALIFORNIA

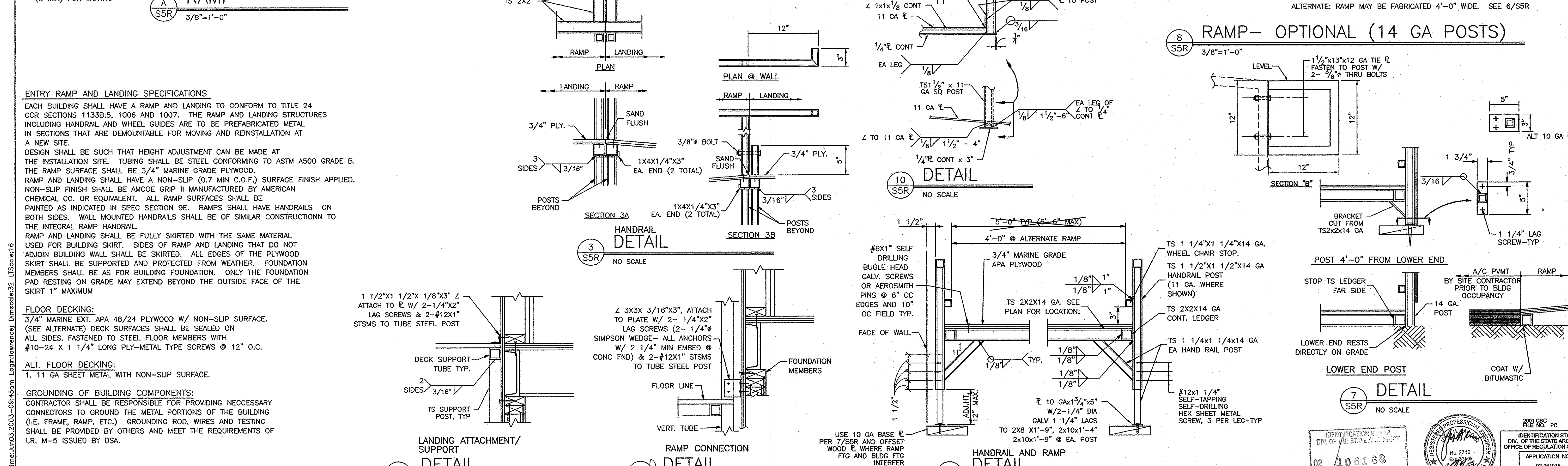
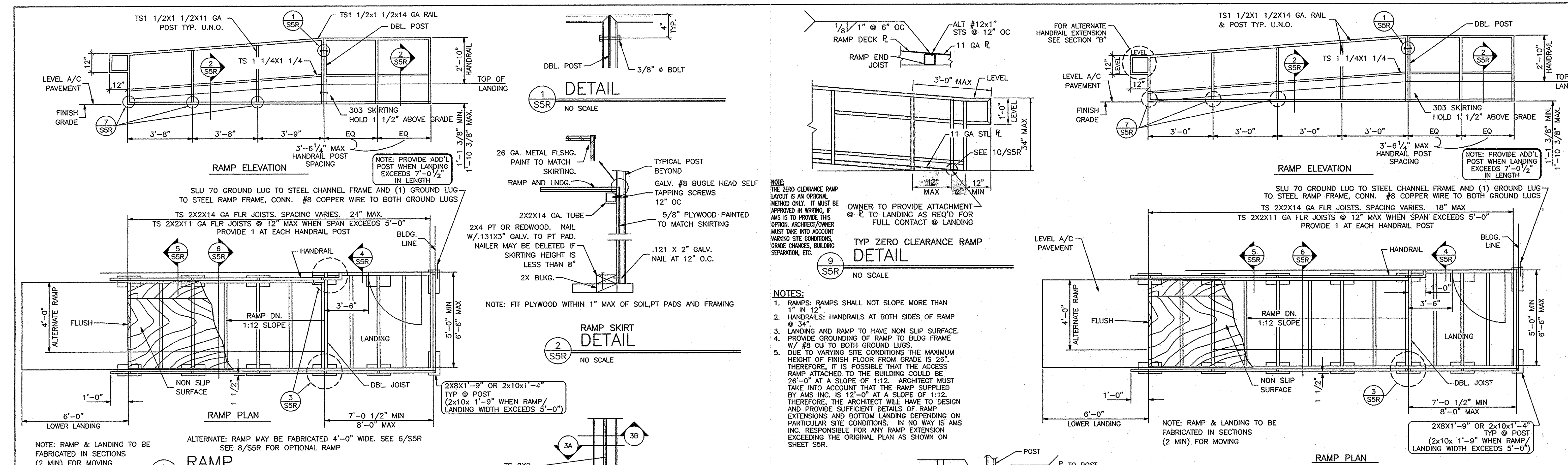
CUSTOMER: \_\_\_\_\_

DATE: 5/30/03  
SCALE: AS NOTED  
DRAWN BY: REM  
DESIGNED BY: MDB  
CHECKED BY: KAL  
SERIAL NO. \_\_\_\_\_

| REVISIONS |      |             |    |      |             |
|-----------|------|-------------|----|------|-------------|
| NO        | DATE | DESCRIPTION | NO | DATE | DESCRIPTION |
|           |      |             |    |      |             |
|           |      |             |    |      |             |
|           |      |             |    |      |             |

PROJECT No.  
02156-01

SHEET No.  
S4



**ENTRY RAMP AND LANDING SPECIFICATIONS**

EACH BUILDING SHALL HAVE A RAMP AND LANDING TO CONFORM TO TITLE 24 CCR SECTIONS 1133B.5, 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-SLIP (0.7 MIN C.O.F.) SURFACE FINISH APPLIED. NON-SLIP FINISH SHALL BE AMCOE GRIP II MANUFACTURED BY AMERICAN CHEMICAL CO. OR EQUIVALENT. ALL RAMP SURFACES SHALL BE PAINTED AS INDICATED IN SPEC SECTION 9E. RAMPS 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-SLIP 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-SLIP 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.

**AMS**

American Modular Systems Inc.

787 Sprackels Ave. Manteca, CA 95336

(209)925-1921 Fax (209)925-7018

americanmodular.com

**CUSTOMER:**

DATE: 5/30/03

SCALE: AS NOTED

DRAWN BY: REM

DESIGNED BY: MDB

CHECKED BY: KAL

SERIAL NO.

**REVISIONS**

| NO | DATE | DESCRIPTION |
|----|------|-------------|
| 1  |      |             |
| 2  |      |             |
| 3  |      |             |
| 4  |      |             |
| 5  |      |             |
| 6  |      |             |
| 7  |      |             |
| 8  |      |             |
| 9  |      |             |
| 10 |      |             |

**PROJECT No.**

02156-01

**SHEET No.**

S5R

TITLE 24 ENERGY COMPLIANCE SUMMARY

PC # 02-104915 BUILDING DESCRIPTION: 24x40 Relocatable Building

Note: See Title 24 Energy Compliance Report Booklet for More Details.

Manufacturer: American Modular Systems

Zones: 14, 15 & 16

Envelope Measures

INSULATION GLAZING

Roof: R-19 (Batt) Panes: Dual U-Factor: 0.65

Wall: R-11 (Batt) Frames: Metal SHGC: 0.34

Floor: R-11 (Batt) Tinting: Solarban 60

Lighting Measures

| Code: | Quantity: | Description:                       | Lamp/Ballast:      | Total Watts: |
|-------|-----------|------------------------------------|--------------------|--------------|
| A     | 8         | (3) 4ft fluorescent T8 Elec Tandem | F32TB / Electronic | 704          |
| b     | 2         | (3) 4ft fluorescent T8 Elec        | F32TB / Electronic | 226          |

Controls for Credit: Occ Sensor > 250 sq ft

Mechanical Measures

| Modular: | Type:        | Qty: | OSA: | Cooling Eff.: | Heating Eff.: |
|----------|--------------|------|------|---------------|---------------|
| 24x40    | BARD WH602-A | 1    | 710  | 10.20 SEER    | 7.00 HSPF     |

HP T-Stat: ☒ Electric Heat (KW): 0.0 kw Duct Location: Conditioned Space

Economizer: ☐ Duct Insulation: R-4.2

HVAC CFM CHART

| MODEL NUMBER | DISCRIPTION         | MAX. CFM |
|--------------|---------------------|----------|
| WH421-A      | 3 1/2 TON HEAT PUMP | 1400     |
| WH402-A      | 4 TON HEAT PUMP     | 1550     |
| WH602-A      | 5 TON HEAT PUMP     | 1700     |

NOTE  
STUB OUT LOCATIONS FOR WATER, WASTE AND GAS ARE DIAGRAMITICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT THE FACE OF THE BUILDING.

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

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 WH421A-XXXXXX W/ CRV  
BARD WH482A-XXXXXX  
BARD WH60A-XXXXXX

MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 5-TON UNIT

All units shall be 230/208 volt, 1 phase system, UL tested & approved or comparable and meet current energy standards.

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 2' 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 ducttboard, 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. 12" round. 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" Micro-Aire type #475 Owens-Corning, Knauf, Certainteed, or equal and 90- B: UL #131 test, class 1 rating with "SMACNA".

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 IF92-371 @ +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.

REGISTERED PROFESSIONAL ARCHITECT  
JAMES H. LAW  
No. 2310  
Exp. 12/31/05  
STATE OF CALIFORNIA

FILE NO.  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
02-1066166  
AC. ☒ FLS&C SS. ☒  
DATE 04/13/04

BASED ON PC 02-104915

CUSTOMER:  
WILLIAMS SCOTSMAN  
SERIAL NO.s #04-904-120 THRU 04-904-319

DATE: 03-30-04  
SCALE: NONE  
DRAWN BY: Y.A.  
CHECKED BY:  
SERIAL NO.

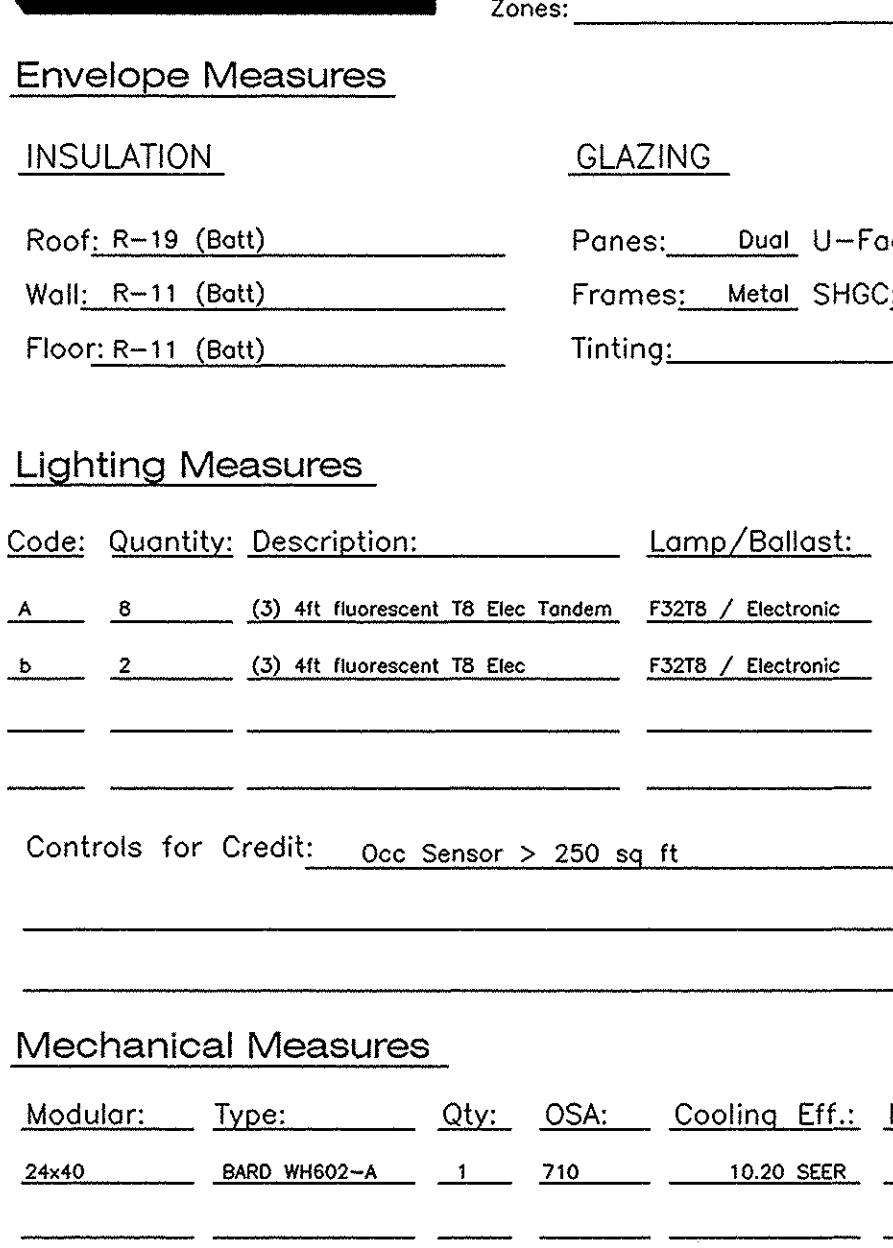
REVISIONS

| NO | DATE | DESCRIPTION | NO | DATE | DESCRIPTION |
|----|------|-------------|----|------|-------------|
| △  |      |             | △  |      |             |
| △  |      |             | △  |      |             |
| △  |      |             | △  |      |             |
| △  |      |             | △  |      |             |

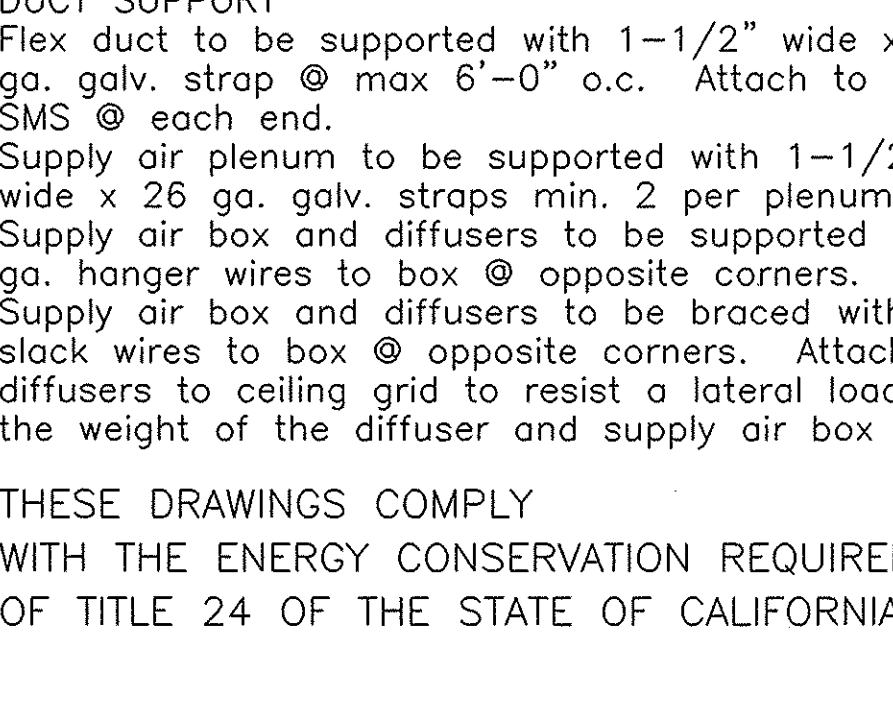
PROJECT No.  
SHEET No.  
M1

MECHANICAL PLAN & NOTES

24 X 40  
RELOCATABLE  
CLASSROOMS



B  
M1  
HEAT/SUPPLY AIR DUCT LAYOUT  
SCALE: 1/4"=1'-0"



A  
M1  
HEAT/SUPPLY AIR DUCT CROSS SECTION  
SCALE: 1/4"=1'-0"

## STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE - SURFACE MOUNTED.  
FLUORESCENT LIGHTING FIXTURE - RECESSED.  
FLUORESCENT LIGHTING FIXTURE - WALL MOUNTED (EXTERIOR)  
INCANDESCENT LIGHTING FIXTURE - WALL MOUNTED (INTERIOR).  
DUPLX 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 - o=DEVICE CONTROLLED.  
15 AMP DUPLX 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, -HH- 4#14 ETC. FOR OTHER SIZES AS FOLLOWS, -HHH- 3#10, -HHHH- 4#6 ETC.

## NOTE

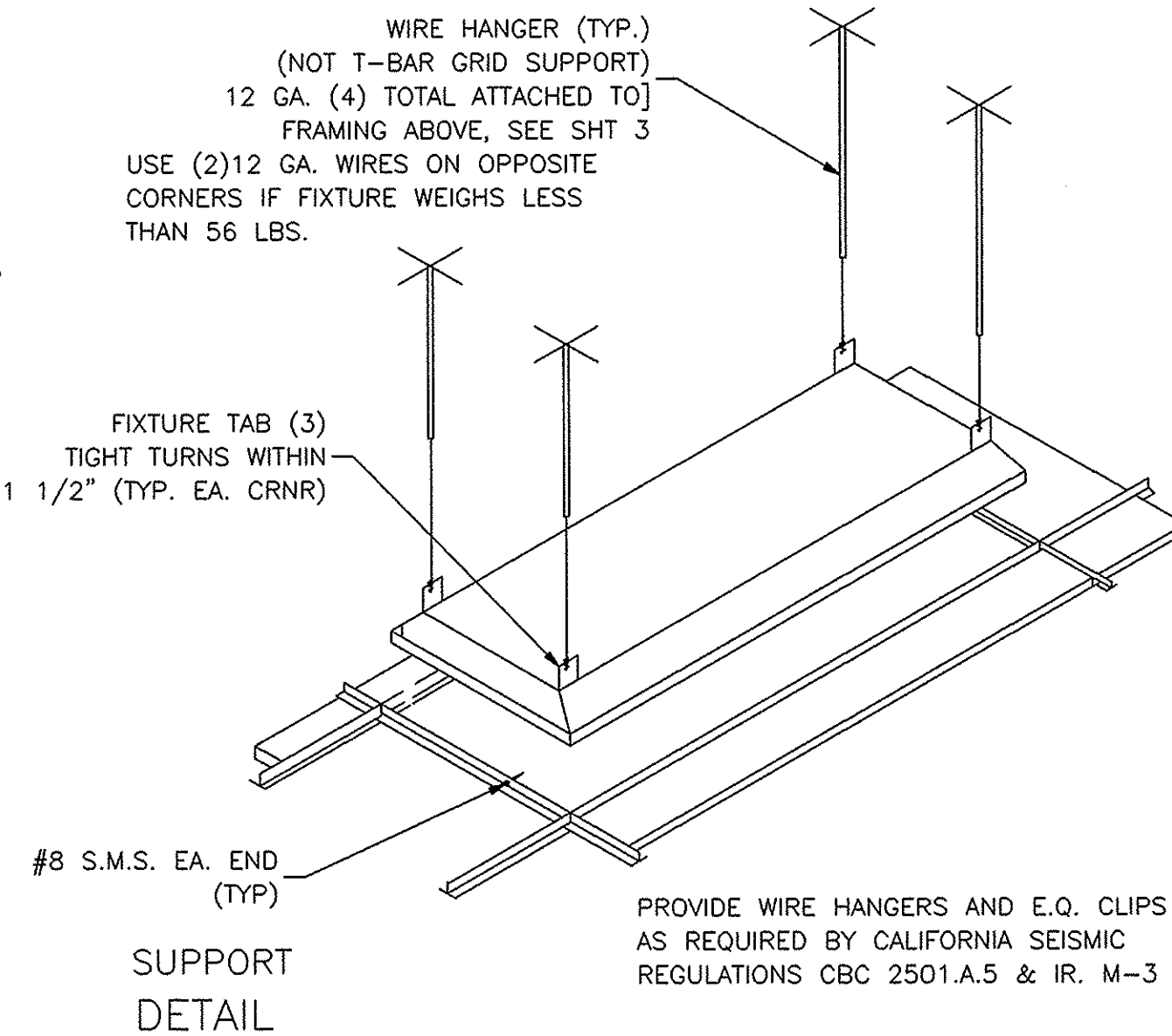
- Ⓐ FUTURE IDENTIFICATION - LETTER INDICATES TYPE.  
N.I.E.S. ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.  
MT ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.  
FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.

[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.

| SYMBOL | DESCRIPTION                                                                                                                                                                   | WATTS                  | MANUFACTURER                                                   |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------|
|        | 2'x4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS. T-8 ELECTRONIC BALLASTS (3)35 WATT TUBES, WT. 27 LBS.                                                              | SP41<br>32 W           | CRESCENT<br>MASTER 24GP332FSA11KOYU1<br>SLAVE 24GP332FSA11XXV6 |
|        | 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<br>TT<br>2700 K | KENALL 3714<br>OR<br>LITHONIA 202 2/7PL LP                     |

SEE TYPICAL CLASSROOM LAYOUT FOR LOCATIONS OF ALL DEVICES.  
FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.  
THE LIGHTS FOR EACH ROOM OVER 250 SQUARE FEET SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR, WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE. IN CONJUNCTION WITH BI-LEVEL SWITCHING.



## FIRE ALARM SYSTEM

- THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE
- 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 CEC
- 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.

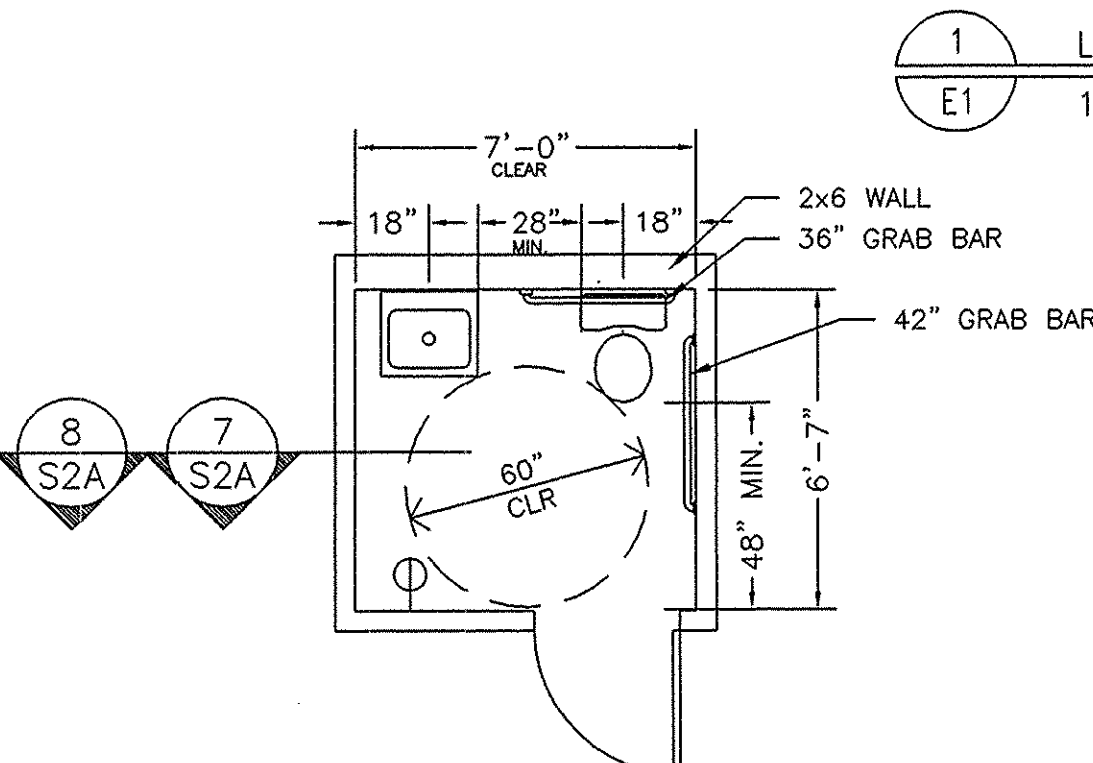
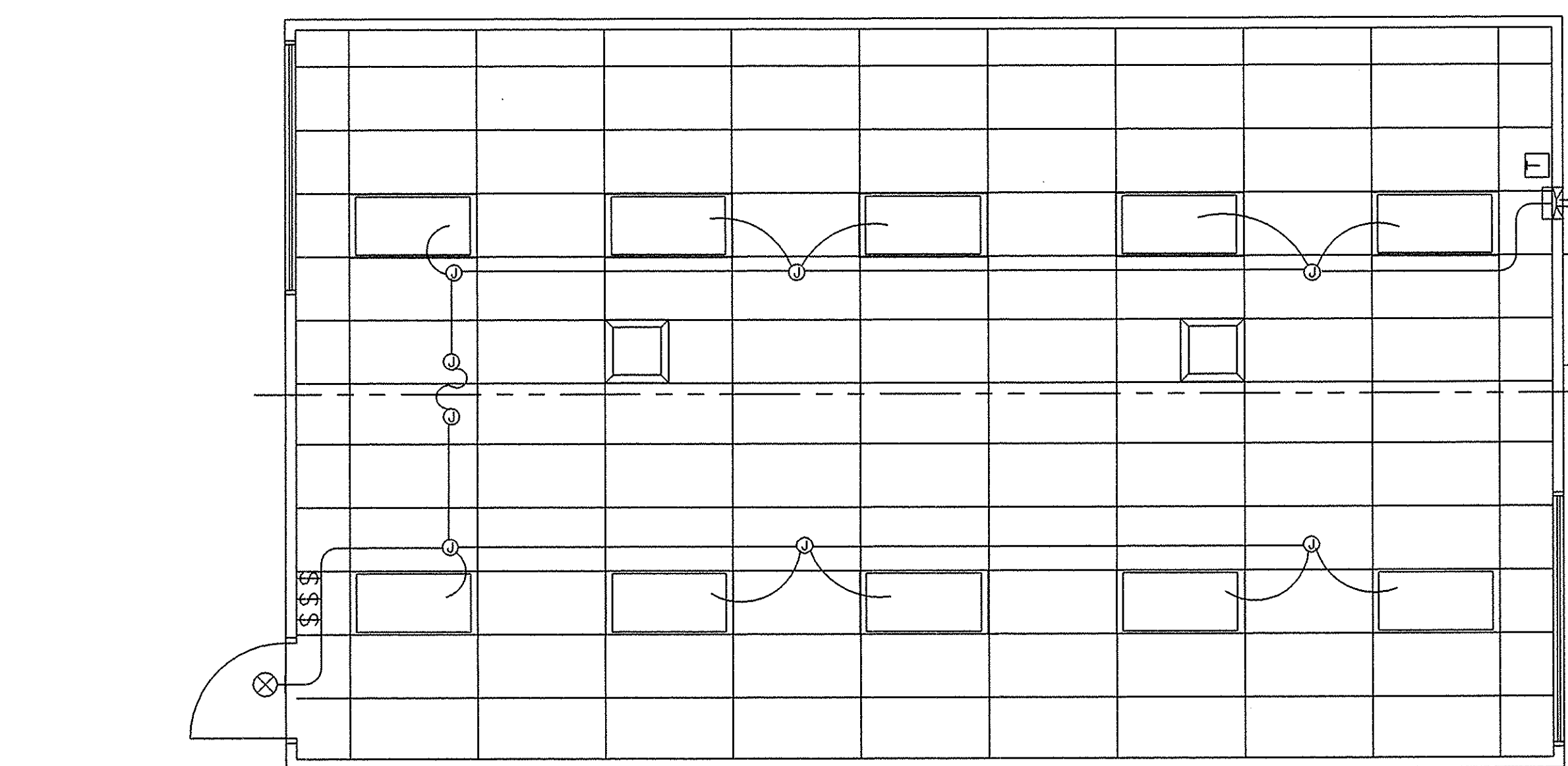
## FIXTURE NOTES:

- ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
- LUMINATES/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. Sized 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.
- Flourescent 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.

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



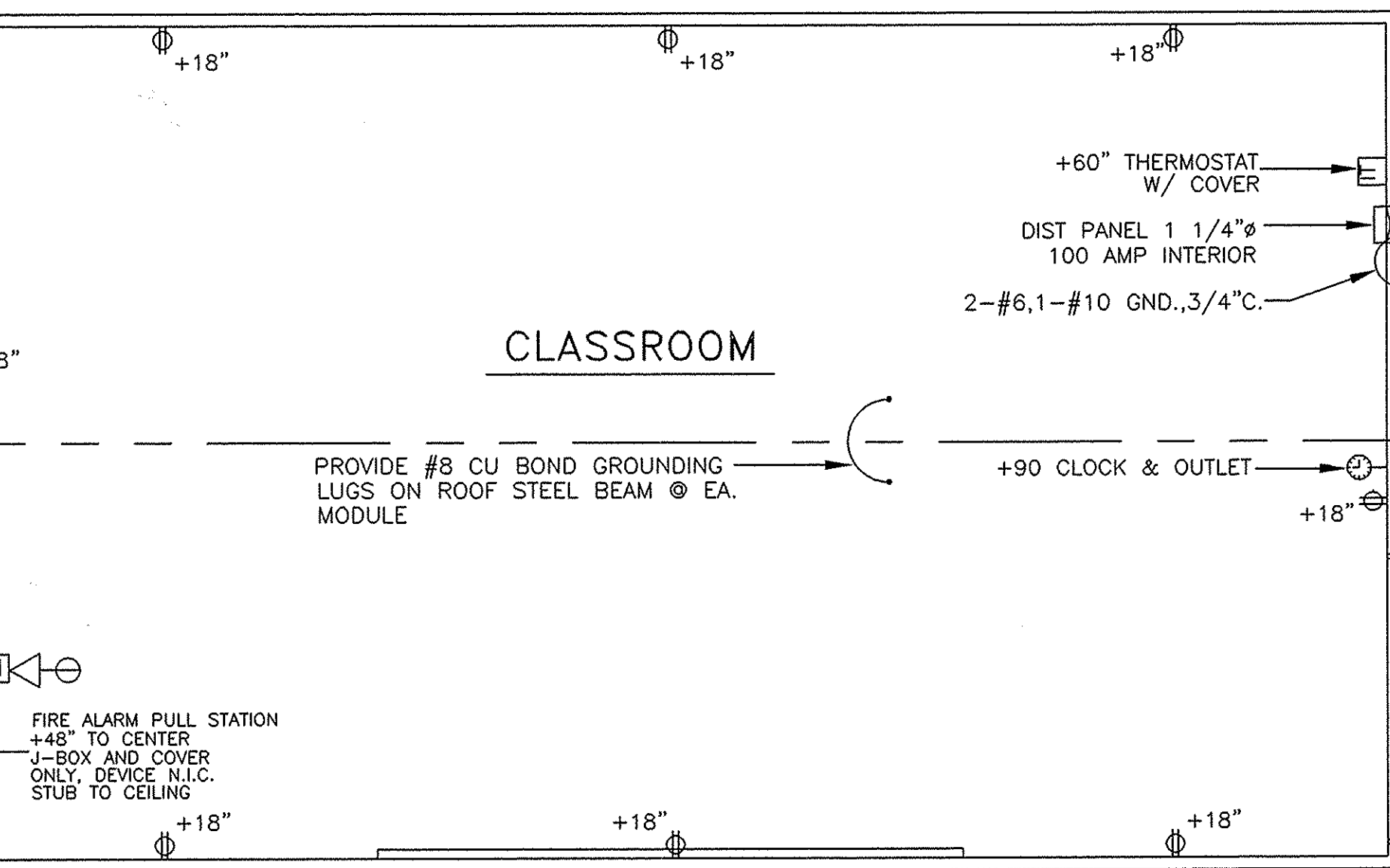
6 RESTROOM FLOOR PLAN (OPTIONAL)  
4 1/4" = 1'-0"

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

F.A. : CONNECT ALL FIRE ALARM JUNCTION BOXES WITH 1/2" MIN. GALV. 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



## 2 ELECTRICAL PLAN

E1 1/4" = 1'-0"

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 anency

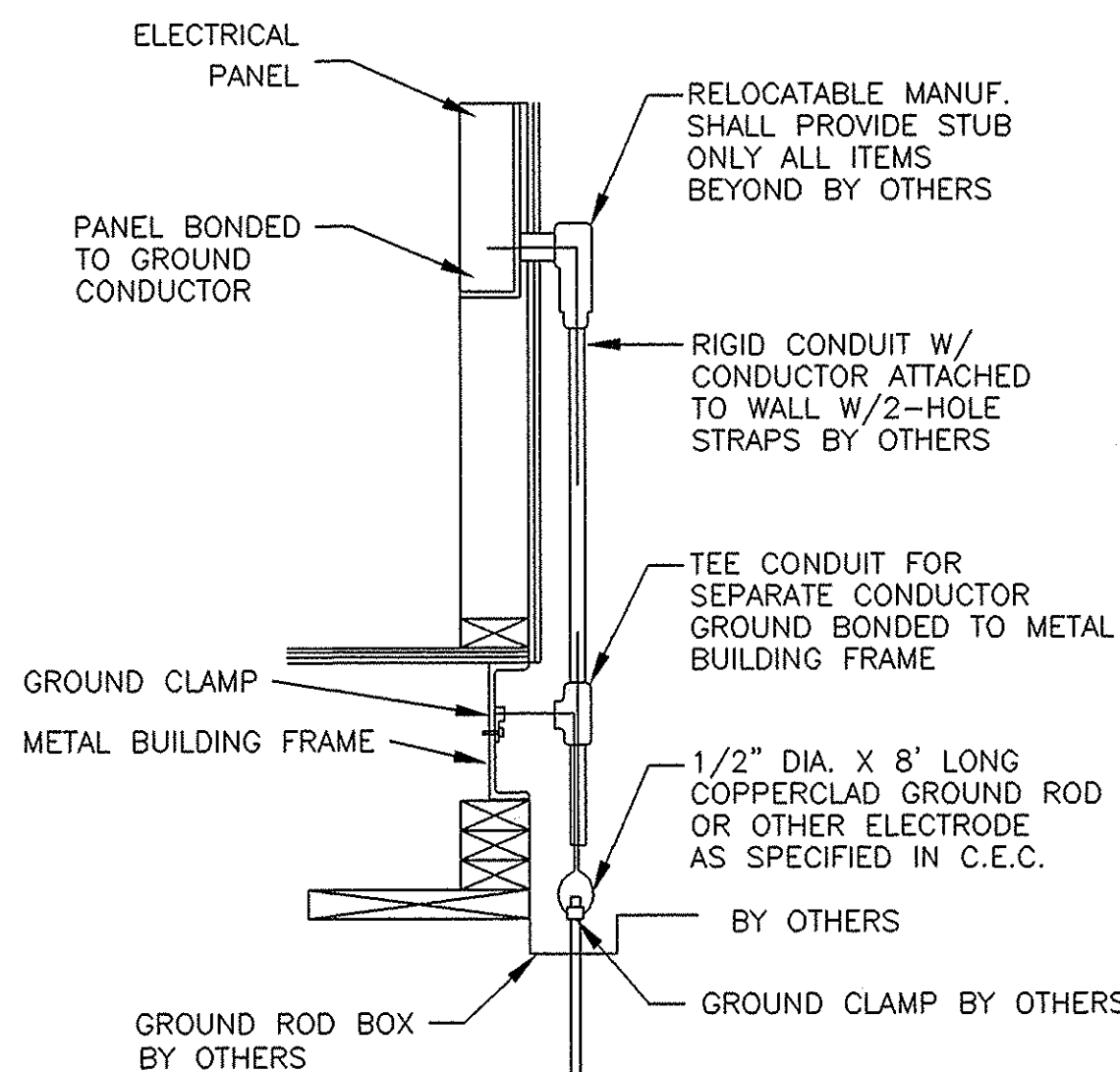
STUB OUT FITTING AT PANEL FOR GROUNDING BLDG. FRAME & PANEL W/ #8 WIRE SEE GROUNDING DETAIL PER I.R. 8-1

STUB OUT FITTING FOR UNDERGROUND OR OVERHEAD SERVICE BY OTHERS SEE ELECTRICAL NOTE #2.

WALL MOUNTED HEAT PUMP UNIT SEE MECHANICAL (240V, 1PH.) W/ DISCONNECT BREAKER MOUNTED IN UNIT.

LOCATION FOR F/A 2 GANG J-BOX @ 18" ABOVE FIN. FLR.

REAR



Size of conductors shall comply W/CEC Table Bond separate conductors from ground rod to electrical panel & metal building from. 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 M-3 INSPECTOR TO WITNESS GROUNDING TEST.

A BUILDING GROUND DETAIL  
E1 N.T.S.

| 120/208 VOLT IS EXCEPTABLE                                                              |       |      |      |                       |    |   |   |                          |      |       |      |               |  |
|-----------------------------------------------------------------------------------------|-------|------|------|-----------------------|----|---|---|--------------------------|------|-------|------|---------------|--|
| VOLTS: 120/240 SINGLE PHASE                                                             |       |      |      | PANEL: A              |    |   |   | FEED: EXTERIOR LB        |      |       |      |               |  |
| MAIN: 100 AMP MAIN BKR.                                                                 |       |      |      | LOCATION: INTERIOR    |    |   |   | MOUNTING: FLUSH          |      |       |      |               |  |
| LOAD                                                                                    | WATTS |      | BRK. |                       | C  | A | B | C                        | BRK. | WATTS |      | LOAD          |  |
|                                                                                         | A     | B    | AMP  | R                     |    |   |   |                          |      | A     | B    |               |  |
| LIGHTS, FLUORESCENT                                                                     | 570   |      | 15   | 1                     | 1  |   |   | 2                        | 2    | 70    | 6600 | A/C HVAC UNIT |  |
| LIGHTS, FLUORESCENT                                                                     |       | 570  | 15   | 1                     | 3  |   |   | 4                        | 2    | 70    | 6600 |               |  |
| EXTERIOR LIGHT & CLOCK                                                                  | 100   |      | 15   | 1                     | 5  |   |   | 6                        |      |       |      | SPACE         |  |
| DUPLX RECEPT.                                                                           |       |      | 720  | 15                    | 1  | 7 |   | 8                        |      |       |      |               |  |
| DUPLX RECEPT.                                                                           | 720   |      | 15   | 1                     | 9  |   |   | 10                       |      |       |      |               |  |
| SPACE                                                                                   |       |      |      |                       | 11 |   |   | 12                       |      |       |      |               |  |
|                                                                                         |       |      |      |                       | 13 |   |   | 14                       |      |       |      |               |  |
|                                                                                         |       |      |      |                       | 15 |   |   | 16                       |      |       |      |               |  |
| PHASE WATTAGE                                                                           | 1390  | 1290 |      |                       | 17 |   |   | 18                       |      | 6600  | 6600 | PHASE WATTAGE |  |
| TOTAL WATTS "A"LEG: 7990                                                                |       |      |      | TOTAL WATTS A+B=15880 |    |   |   | TOTAL WATTS "B" LEG 7890 |      |       |      |               |  |
| TOTAL WATTS: 15880                                                                      |       |      |      | 67 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"

NOTE  
STUB OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.

NOTE:  
THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT AND SMOKE DETECTORS WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575



FILE NO.  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
02-106166  
AC 4 FL5.6L SS 878  
DATE 4/13/04

BASED ON PC 02-104915

24 X 40  
RELOCATABLE  
CLASSROOMS

**AMS**  
American Modular Systems Inc.  
787 Spreckels Ave. Manteca, CA 95336  
(209)825-1921 Fax (209)825-7018  
americanmodular.com

CUSTOMER:  
WILLIAMS SCOTSMAN  
SERIAL NO.s #04-904-120 THRU 04-904-319

ELECTRICAL PLAN & NOTES

DATE: 03-30-04  
SCALE: NONE  
DRAWN BY: Y.A.  
CHECKED BY:  
CHECKED BY:  
SERIAL NO.

| REVISIONS |      |             |    |      |             |
|-----------|------|-------------|----|------|-------------|
| NO        | DATE | DESCRIPTION | NO | DATE | DESCRIPTION |
| △         |      |             | △  |      |             |
| △         |      |             | △  |      |             |
| △         |      |             | △  |      |             |
| △         |      |             | △  |      |             |

PROJECT No.

SHEET No.  
E1