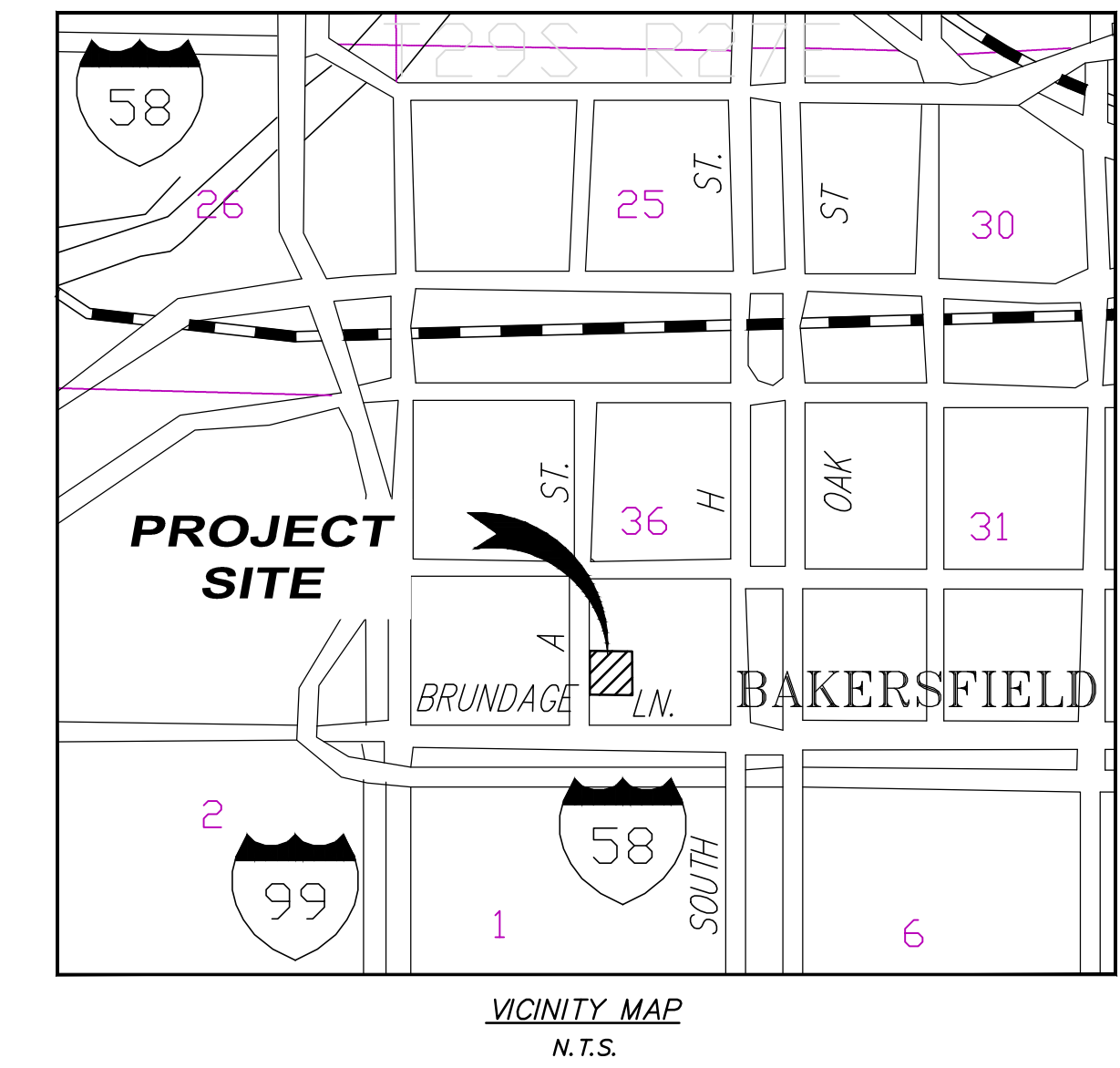




# ROOSEVELT ELEMENTARY SCHOOL

## 2324 VERDE STREET

### BAKERSFIELD, CA



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DIV. OF THE STATE ARCHITECT  
APP: 03-123198 INC.  
REVIEWED FOR  
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DATE: 10/31/2023

PTN: 63321-406 FILE: 15-6

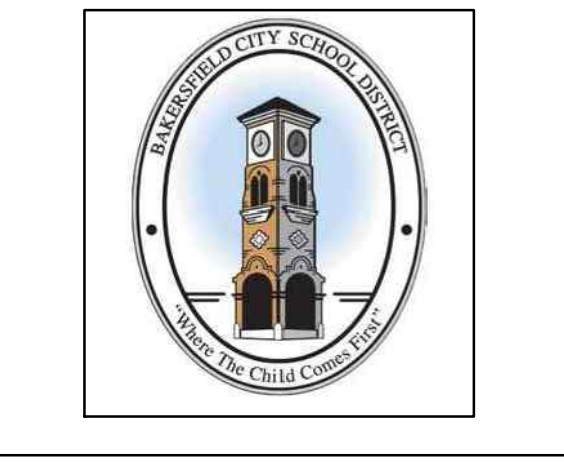
(10) 24X40 PORTABLE CLASSROOMS  
ROOSEVELT ELEMENTARY SCHOOL  
2324 VERDE STREET  
FOR  
BAKERSFIELD CITY SCHOOL DISTRICT  
BAKERSFIELD, KERN COUNTY, CALIFORNIA



1601 NEW STINE ROAD, SUITE 280  
BAKERSFIELD, CA 93309  
PH: (661) 397-4377  
FAX: (661) 397-4378  
WWW.SCARCHITECT.COM



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OVERALL SITE PLAN

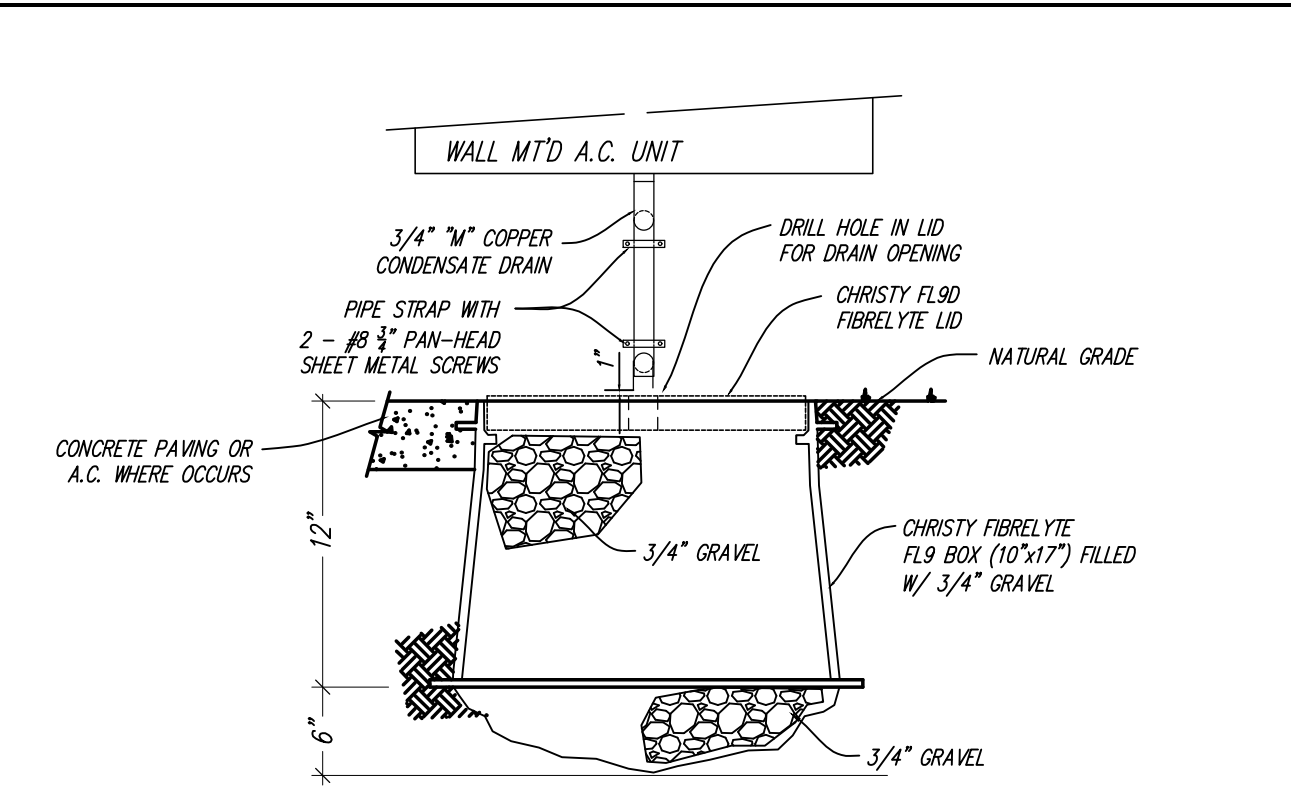
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DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DATE: 9-13-23  
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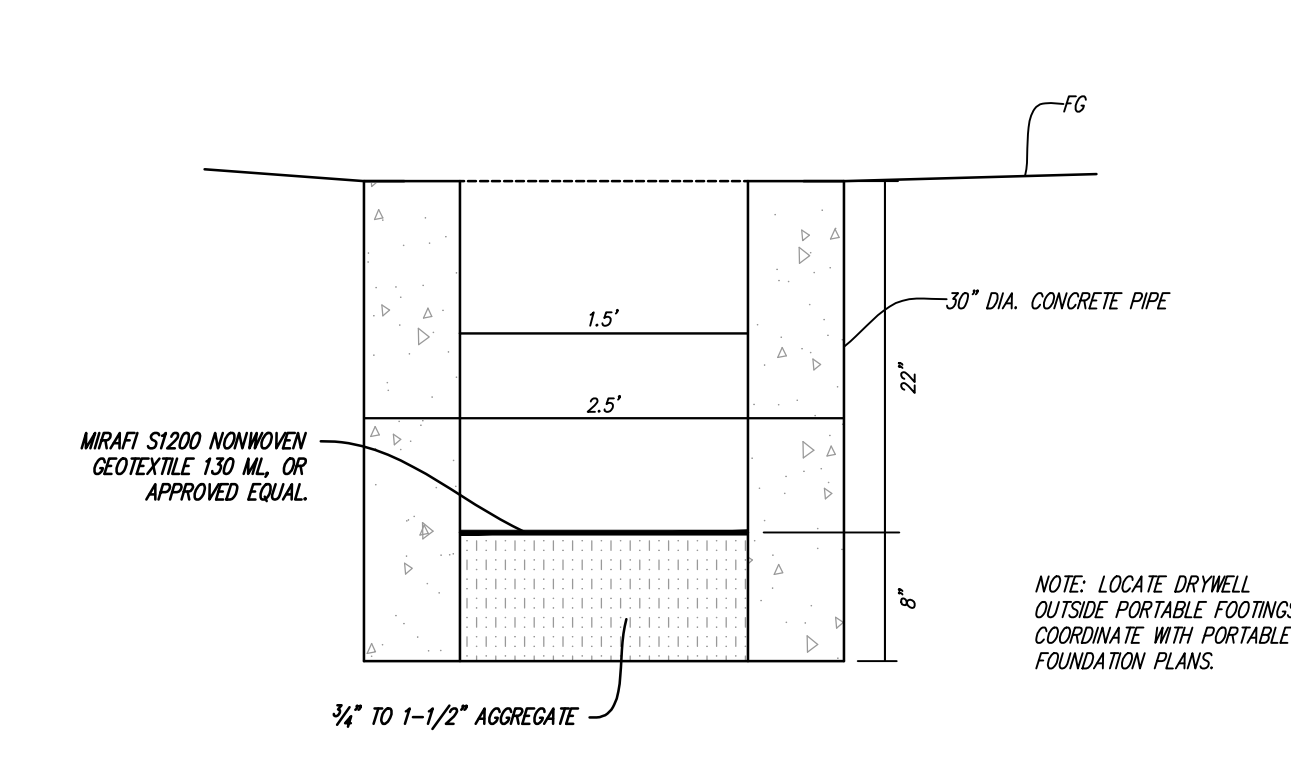


- CONSTRUCTION NOTES**
- ALL GRADING SHALL CONFORM TO THE CITY OF BAKERSFIELD ORDINANCES AND STANDARDS PERTAINING HERETO (CALIFORNIA BUILDING CODE, 2022) AND SHALL BE SUPERVISED AS ENGINEERED GRADING IN ACCORDANCE WITH CITY OF BAKERSFIELD ORDINANCES.
  - THE DESIGN ENGINEER SHALL EXERCISE SUPERVISORY CONTROL DURING GRADING AND CONSTRUCTION TO INSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND CODE WITHIN HIS PRACTICE.
  - THE CONTRACTOR SHALL CONTACT ALL COMPANIES WITH UNDERGROUND FACILITIES PRIOR TO BEGINNING CONSTRUCTION AND VERIFY THE LOCATION AND DEPTH OF ALL UNDERGROUND FACILITIES, INCLUDING TELEPHONE, ELECTRIC, WATER, SEWER, GAS AND GAS LINES. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR BURIED LINES NOT INDICATED ON THE PLAN OR FOR INFORMATION OBTAINED FROM OUTSIDE SOURCES. (USA - 811)
  - THE WORK EMPHATICALLY HEREIN SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DATED JULY 2018 (UNLESS OTHERWISE SPECIFIED), INsofar AS THE SAME MAY APPLY IN ACCORDANCE WITH THE NOTES HEREIN. IN CASE OF CONFLICT WITH THE STANDARD SPECIFICATIONS AND ANY NOTES HEREON, THE NOTES HEREON SHALL TAKE PRECEDENCE OVER AND BE USED IN LIEU OF SUCH CONFLICTING PORTIONS. SAID SPECIFICATIONS SHALL APPLY BUT NOT BE LIMITED TO THE FOLLOWING:
    - ALL CONCRETE SHALL BE CLASS "3" USING TYPE I CEMENT AS IN ACCORDANCE WITH SECTION 90 AND SHALL HAVE AT LEAST 2800 PSI COMPRESSIVE STRENGTH AT 28 DAYS, PER CALTRANS STANDARD SPECIFICATIONS (2008) UNLESS OTHERWISE SPECIFIED.
    - ASPHALTIC CONCRETE SHALL BE TYPE "B", 1/2" MAXIMUM, MEDIUM GRADED, AND UNMIXED MIXED WITH 5-6.5% ASPHALT PER CALTRANS STANDARD SPECIFICATIONS (2008). NO R.A.P. (RECLAIMED ASPHALT PAVEMENT) SHALL BE USED. ASPHALT SHALL BE PERFORMANCE GRADE PG58-10.
    - SWANSON ENGINEERING SHALL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO, OR USES OF, THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE APPROVED, IN WRITING, BY SWANSON ENGINEERING.
  - PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR SHALL POT-HOLE ALL UTILITIES THAT WILL BE AFFECTED BY THIS CONSTRUCTION TO DETERMINE IF ANY UTILITIES CONTACTS EXIST. ANY UTILITIES CONTACTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER SO THAT DESIGN CHANGES CAN BE MADE PRIOR TO THE START OF CONSTRUCTION.
  - CLEARING AND GRUBBING - REMOVE ALL DEBRIS, SUCH AS METAL, TRASH, BROKEN CONCRETE, VEGETATION, OTHER BIODEGRADABLE SUBSTANCES, AND UNSUITABLE SOIL FROM AREAS TO BE GRADED. UNSUITABLE SOIL IS SOIL THAT, IN THE OPINION OF THE BUILDING OFFICIAL, SOIL ENGINEER, OR CIVIL ENGINEER, IS NOT COMPETENT TO SUPPORT OTHER SOIL OR STRUCTURES, OR TO SATISFACTORILY PERFORM ANY OTHER FUNCTIONS FOR WHICH THE SOIL IS INTENDED.
  - AREAS TO RECEIVE FILL SHALL BE SCARIFIED SIX INCHES, OR AS RECOMMENDED IN THE SOIL REPORT, WHICHEVER IS GREATER, UNTIL THE SURFACE IS FREE FROM ROOTS, HUMMOCKS OR OTHER UNWEN FEATURES WHICH WOULD TEND TO PREVENT UNIFORM COMPACTION BY THE EQUIPMENT TO BE USED. WASTEN AND COMPACT TO AT LEAST 90% OF THE MAXIMUM DENSITY PER ASTM D1557 UNLESS OTHERWISE SPECIFIED.
  - ENGINEERED FILL MATERIALS SHOULD BE PLACED IN THIN LAYERS (LESS THAN 8000 INCHES UNCOMPACTED THICKNESS), BROUGHT TO NEAR THE OPTIMUM MOISTURE CONTENT OR TO A MOISTURE CONTENT COMENSURATE WITH EFFECTIVE COMPACTION AND SOIL STABILITY, AND COMPACTED TO A MINIMUM OF 90 PERCENT OF THE MAXIMUM DENSITY OBTAINABLE BY ASTM TEST METHOD D1557.
  - THE ENGINEER MAKES NO WARRANTY OF THE ANTICIPATED SHRINKAGE FACTOR. THE GRADING PLAN DOES NOT NECESSARILY INDICATE A BALANCED SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING MATERIALS FROM AN OFF-SITE LOCATION OR EXPORTING EXCESS MATERIAL TO AN OFF-SITE LOCATION, AS NEEDED.
  - CONTRACTOR TO VERIFY DIMENSIONS AND ELEVATIONS OF EXISTING IMPROVEMENTS IN THE FIELD BEFORE PROCEEDING WITH WORK. ANY DISCREPANCIES THAT WILL AFFECT THE WORK TO EXISTING IMPROVEMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK.
  - PAVEMENT AND FLATWORK AREA PREPARATION: GROUND SURFACES TO RECEIVE CONCRETE DRIVEWAY AND BITUMINOUS PAVEMENTS SHOULD BE SCARIFIED AND COMPACTED TO A MINIMUM DEPTH OF 12 INCHES BELOW THE GRADING PLANE IN CUT AREAS OR TO 12 INCHES IN AREAS TO RECEIVE FILL. ENGINEERED FILL PLACED IN PROPOSED PAVEMENT AREAS SHOULD BE COMPACTED TO A MINIMUM OF 90 PERCENT OF THE MAXIMUM DENSITY AS OBTAINED BY ASTM TEST METHOD D1557, AND SHOULD EXTEND TO A MINIMUM OF TWO FEET BEYOND THE OUTSIDE EDGES OF PAVEMENT.
  - ALL TRENCHES AND EXCAVATIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH THE APPLICABLE CALIFORNIA AND FEDERAL O.S.H.A. REQUIREMENTS AND OTHER APPLICABLE SAFETY ORDINANCES. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR TRENCH SHIELDING DESIGN AND INSTALLATION. CONTRACTORS SHALL OBTAIN APPLICABLE O.S.H.A. PERMITS WHEN WORKMEN MUST ENTER TRENCHES GREATER THAN THE FEET.

- LEGEND:**
- ABBREVIATIONS:**
- EX - EXISTING
  - TD - TYPICAL
  - FD - FOUND
  - BR - BOOK
  - PR - PRAISE
  - C.O.K. - COUNTY OF KERN
  - C.O.B. - CITY OF BAKERSFIELD
  - CONC - CONCRETE
  - ASP - ASPHALT PAVEMENT
  - FG - FINISH GRADE
  - EP - EDGE OF PAVEMENT
  - TOP - TOP OF CURB
  - FL - FLOWLINE
  - FF - FINISHED FLOOR
  - FP - FINISHED PAD
  - TP - TOP OF PAVEMENT
  - GB - GRADE BREAK
- EXISTING FIRE HYDRANT
  - EXISTING POWER POLE
  - EXISTING STREET LIGHT
  - FOUND MONUMENT
  - EXISTING TRAFFIC SIGN
  - EXISTING STORM DRAIN LINE
  - EXISTING FIBER OPTIC LINE
  - EXISTING WATER LINE
  - EXISTING SEWER LINE
  - EXISTING GAS LINE
  - EXISTING FENCELINE
  - EXISTING ELECTRIC LINE
  - EXISTING OVERHEAD ELECTRIC LINE
  - EXISTING PROPERTY LINE
  - EXISTING RIGHT-OF-WAY
  - EXISTING CURB & GUTTER
  - STREET VACATION
  - EASEMENT
  - MATCH LINE
  - EXISTING GROUND CONTOUR LINE & ELEVATION
- BENCHMARK**  
THE VERTICAL BENCHMARK FOR THIS SURVEY IS TAKEN FROM THE TOP OF A BRASS CAP SET IN CONCRETE STAMPED V 363 1983 RESET 1986 (P.O. 15136) PER PUBLIC WORKS DATA SHEET.  
ELEVATION = 409.90' (OGSS DATUM)
- LOCAL BENCHMARK**  
FOUND CONCRETE MONUMENT WITH BRASS PIN, LOCATED AT THE CENTERLINE INTERSECTION OF "X" STREET AND VERDE STREET.  
ELEVATION = 391.21'  
AND 100' TO ALL DESIGN ELEVATIONS TO GET TO CITY DATUM.
- BASIS OF BEARINGS**  
THE BEARING OF 50022'45" ALONG THE CENTERLINE OF A STREET AS SHOWN ON RECORD OF SURVEY FILED IN BOOK 5 OF RECORD OF SURVEY MAPS, PAGE 63 IN THE OFFICE OF THE KERN COUNTY RECORDER WAS TAKEN AS THE BASIS OF BEARINGS SHOWN HEREON.
- LEGAL DESCRIPTION**  
BEING ALL THOSE PORTIONS OF LOTS 7 THROUGH 12 IN BLOCK 2 AND LOTS 1 THROUGH 24 IN BLOCK 4 OF GORDON TRACT, IN ADDITION TO THE UNKATED PORTION OF SECOND STREET BETWEEN HOLLEY ROAD AND "X" STREET, IN THE CITY OF BAKERSFIELD.
- ADDRESS**  
2324 VERDE STREET, BAKERSFIELD, CA 93304
- APN**  
008-123-001  
008-261-01  
008-262-01
- UTILITY NOTE**  
NOT ALL UTILITIES WERE LOCATED BY THIS SURVEY AND SWANSON ENGINEERING, INC. ASSUMES NO RESPONSIBILITY FOR UNDERGROUND UTILITIES OR FACILITIES NOT SHOWN OR FOR INFORMATION OBTAINED FROM OUTSIDE SOURCES.



1 C1 CONDENSATE DRAIN



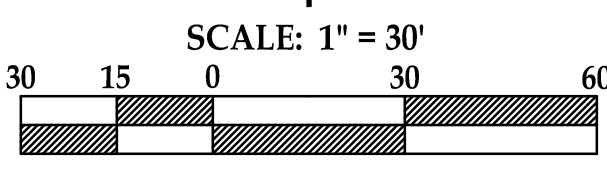
2 C1 DRYWELL UNDER PORTABLE

**SHEET INDEX**

C1	TITLE SHEET
C2	GRADING - NORTH
C3	GRADING - SOUTH
C4	HORIZONTAL CONTROL PLAN
C5	SITE UTILITY PLAN
C6	SITE UTILITY DETAILS
C7	EROSION CONTROL PLAN



**SWANSON ENGINEERING, INC.**  
2000 OAK STREET SUITE 150 ~ BAKERSFIELD, CA 93301  
P: (661) 831-4919; F: (661) 873-4777  
JOB# 22-062 RTS



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 ROOSEVELT ELEMENTARY SCHOOL  
 2324 VERDE STREET  
 FOR  
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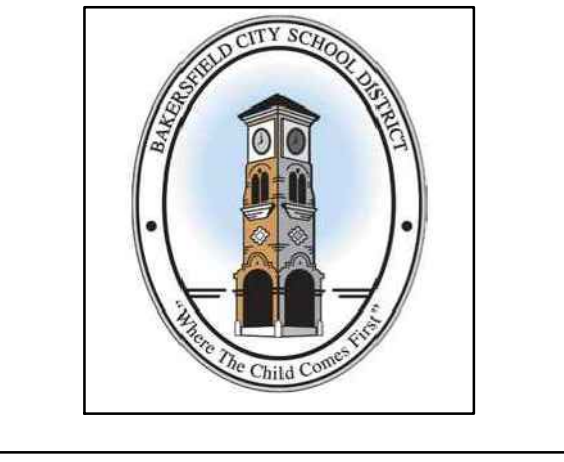


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GRADING PLAN  
 - NORTH  
 PORTABLES

MARK	DATE	REVISIONS
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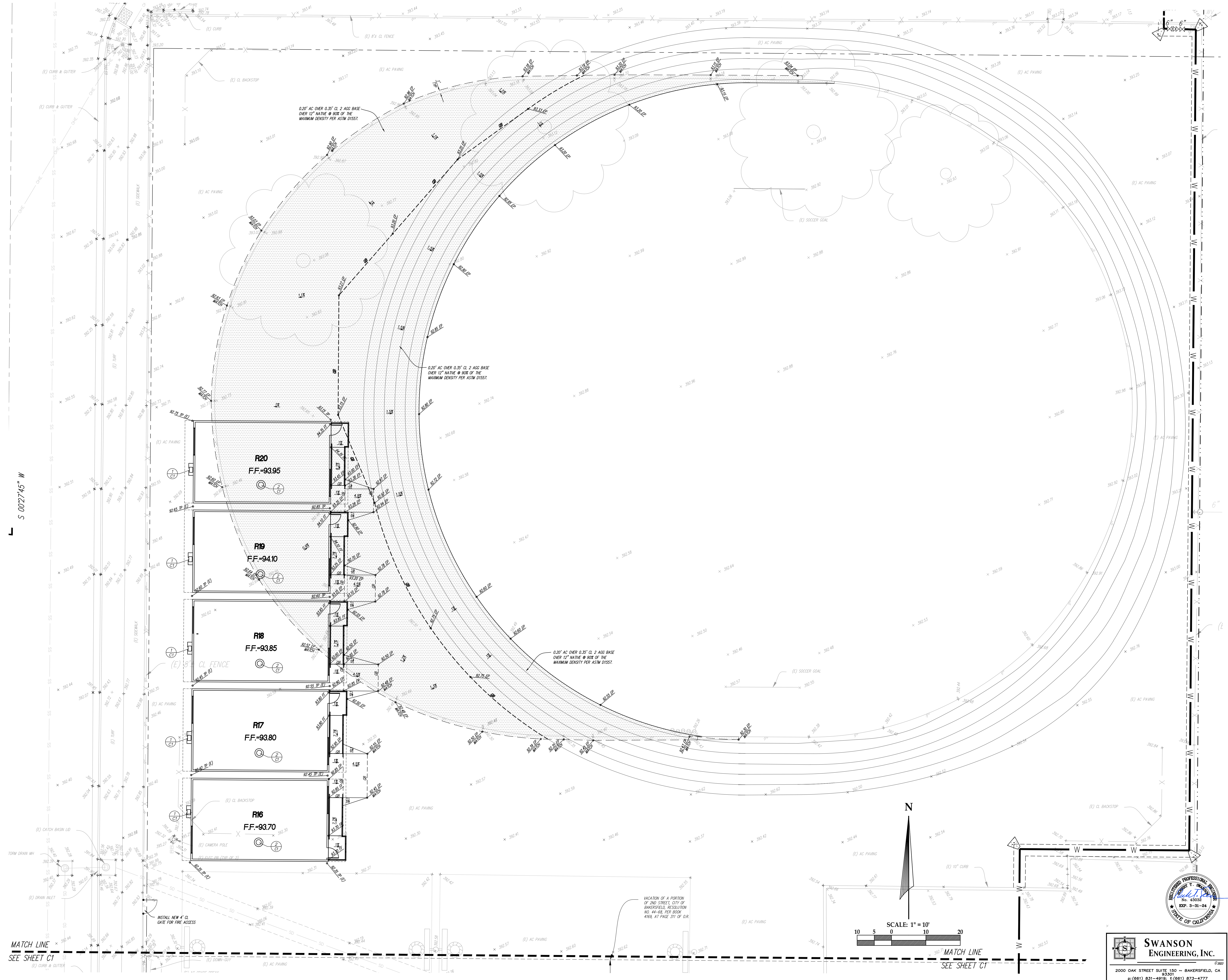
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2

OF SHEETS

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S 0027'45" W

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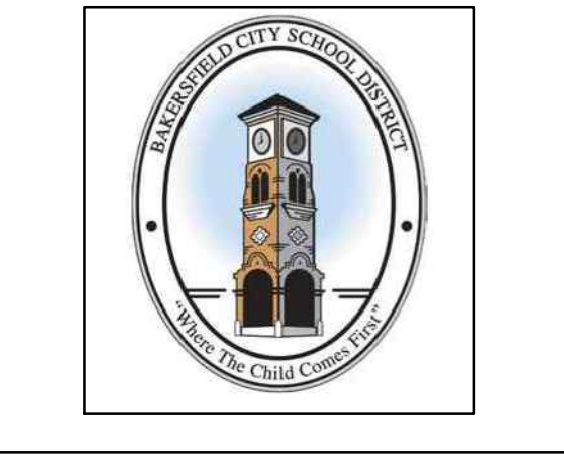


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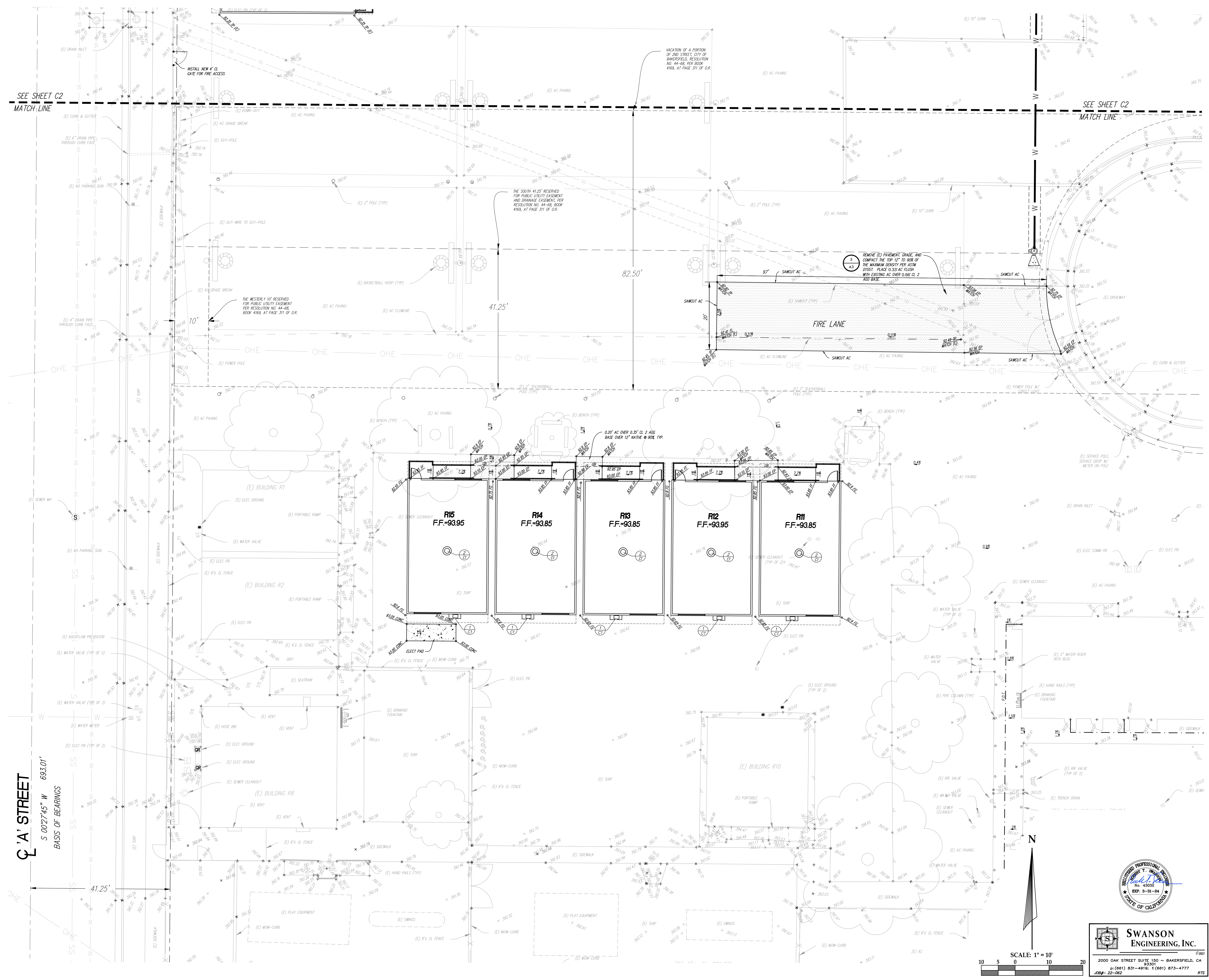
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GRADING PLAN  
 - SOUTH  
 PORTABLES

MARK	DATE	REVISIONS
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CHECKED:	
DATE: 9-13-23	

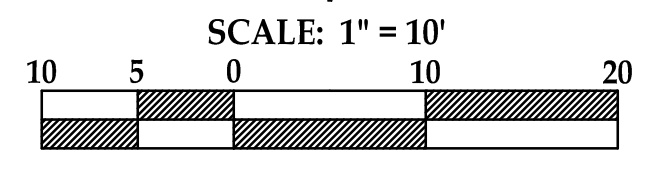


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 J089-22-062

SEE SHEET C2  
 MATCH LINE

SEE SHEET C2  
 MATCH LINE

Q' A STREET  
 S 0027'45" W 693.01'  
 BASIS OF BEARINGS



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HORIZONTAL CONTROL PLAN

MARK	DATE	REVISIONS
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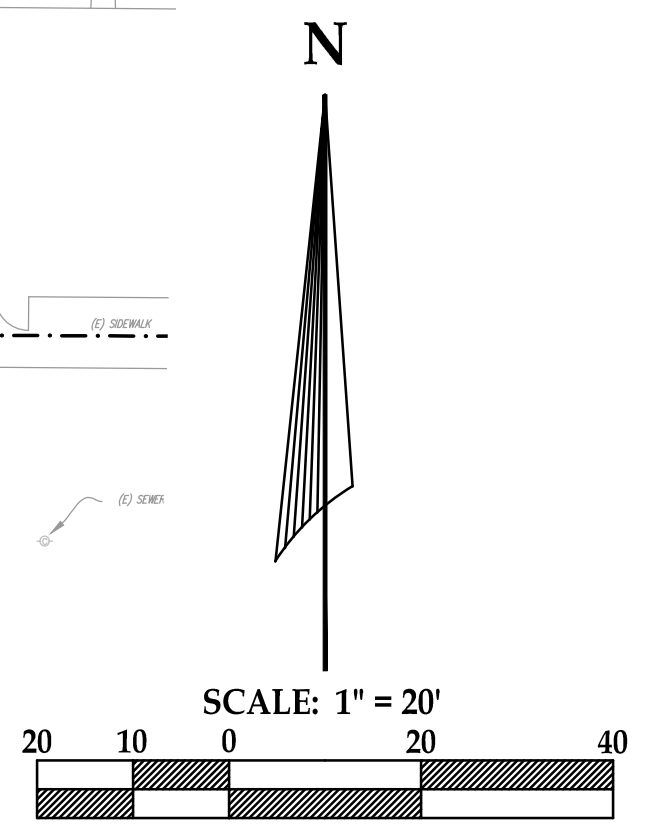
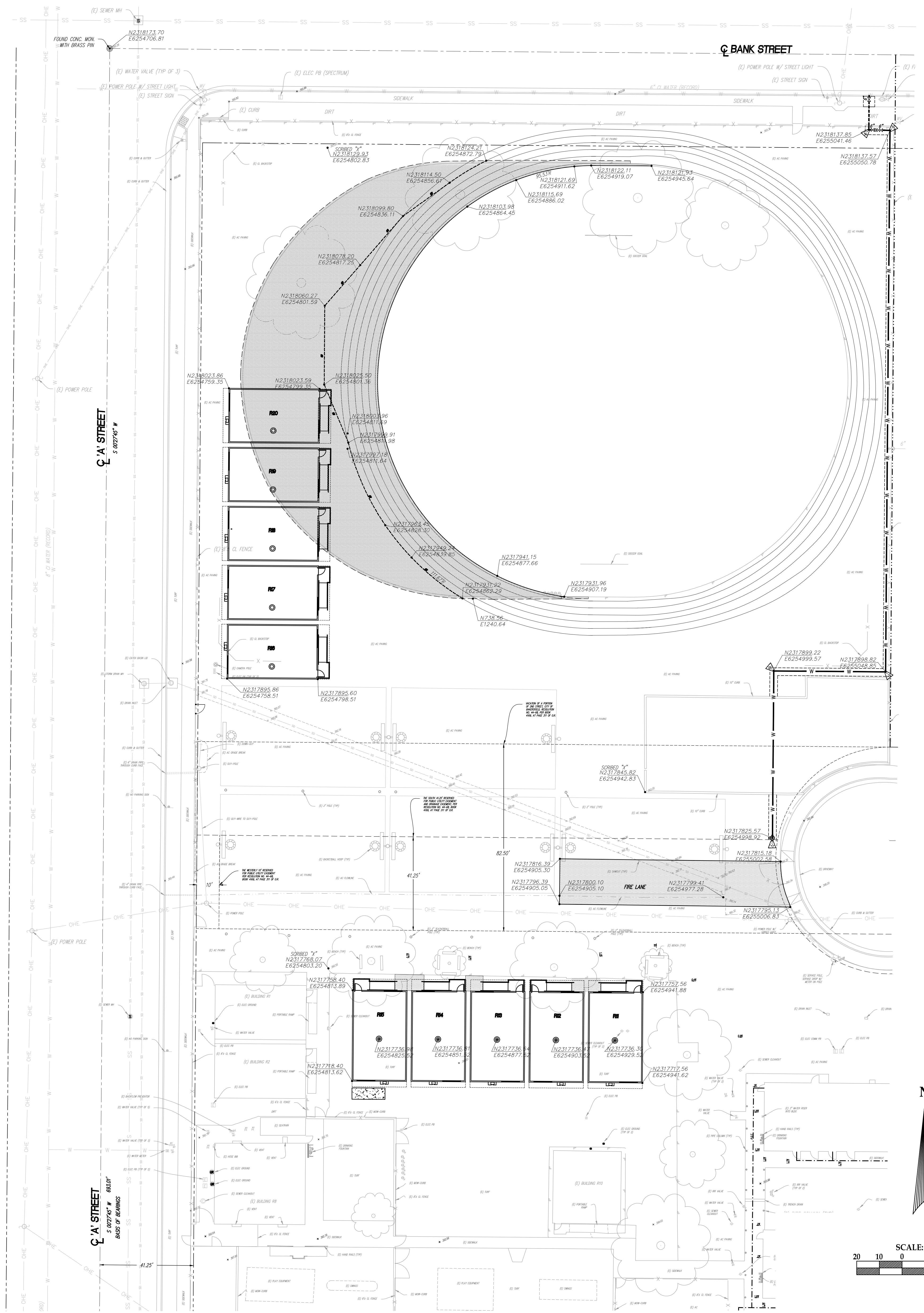
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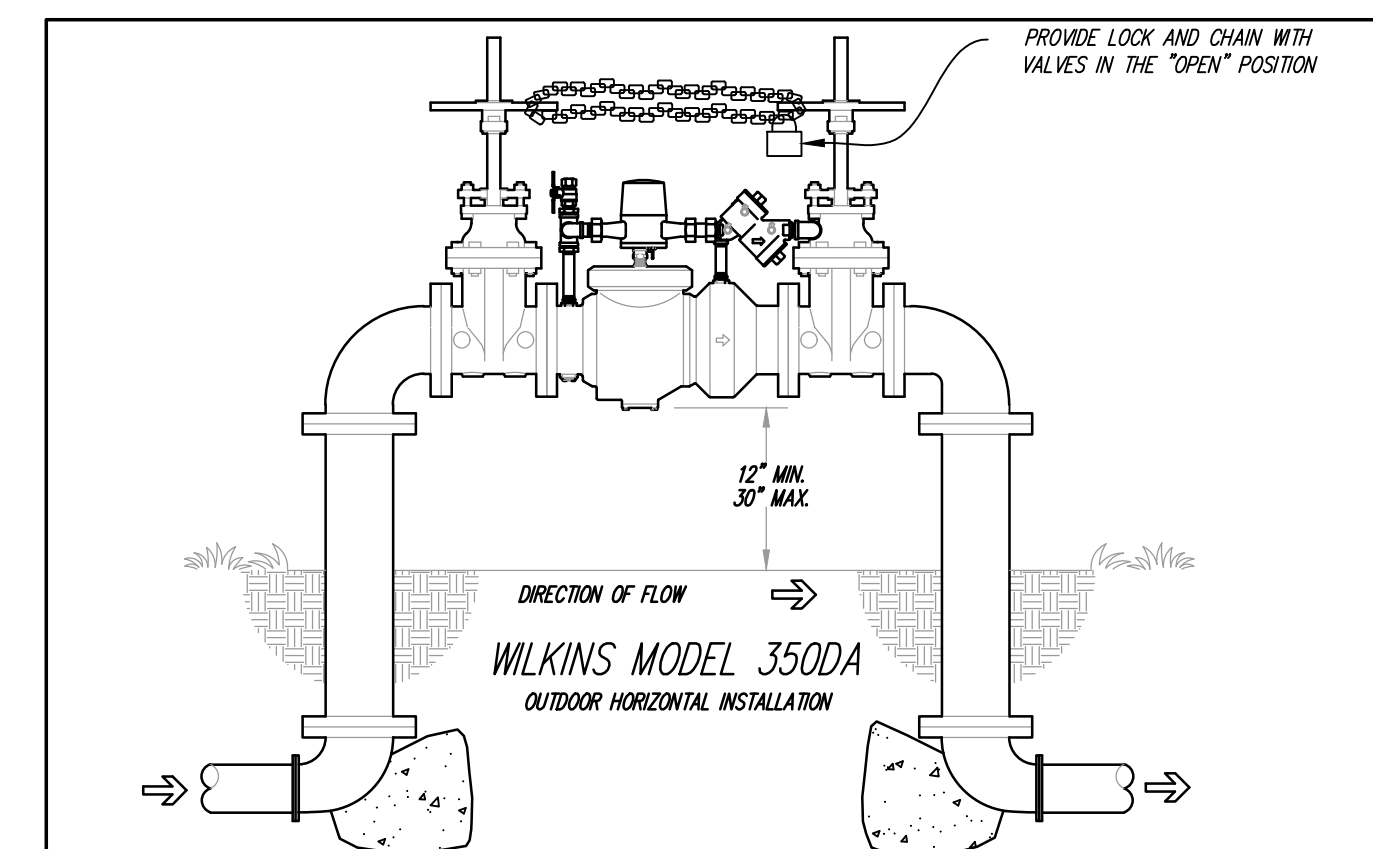
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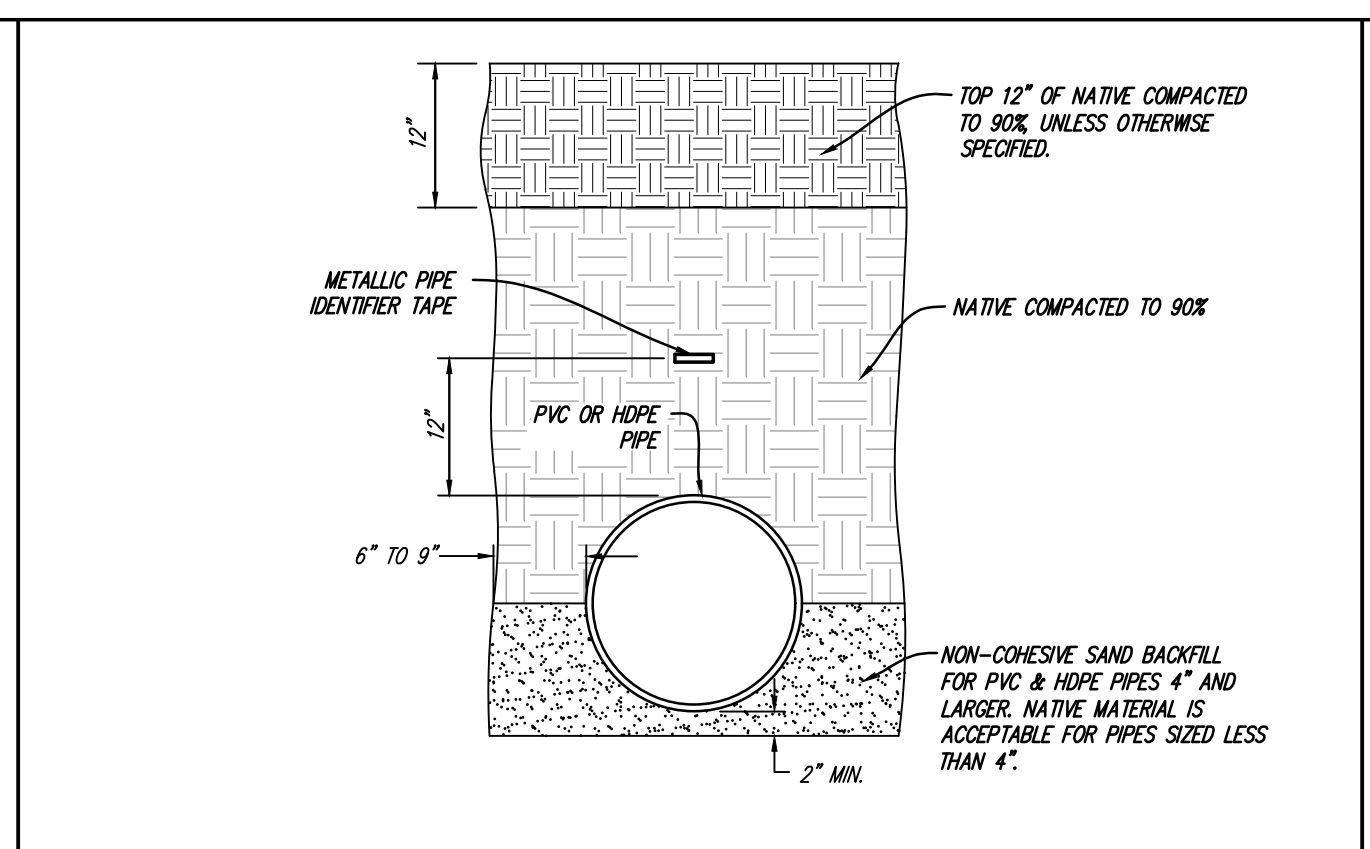
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 JOB-22-062 R72



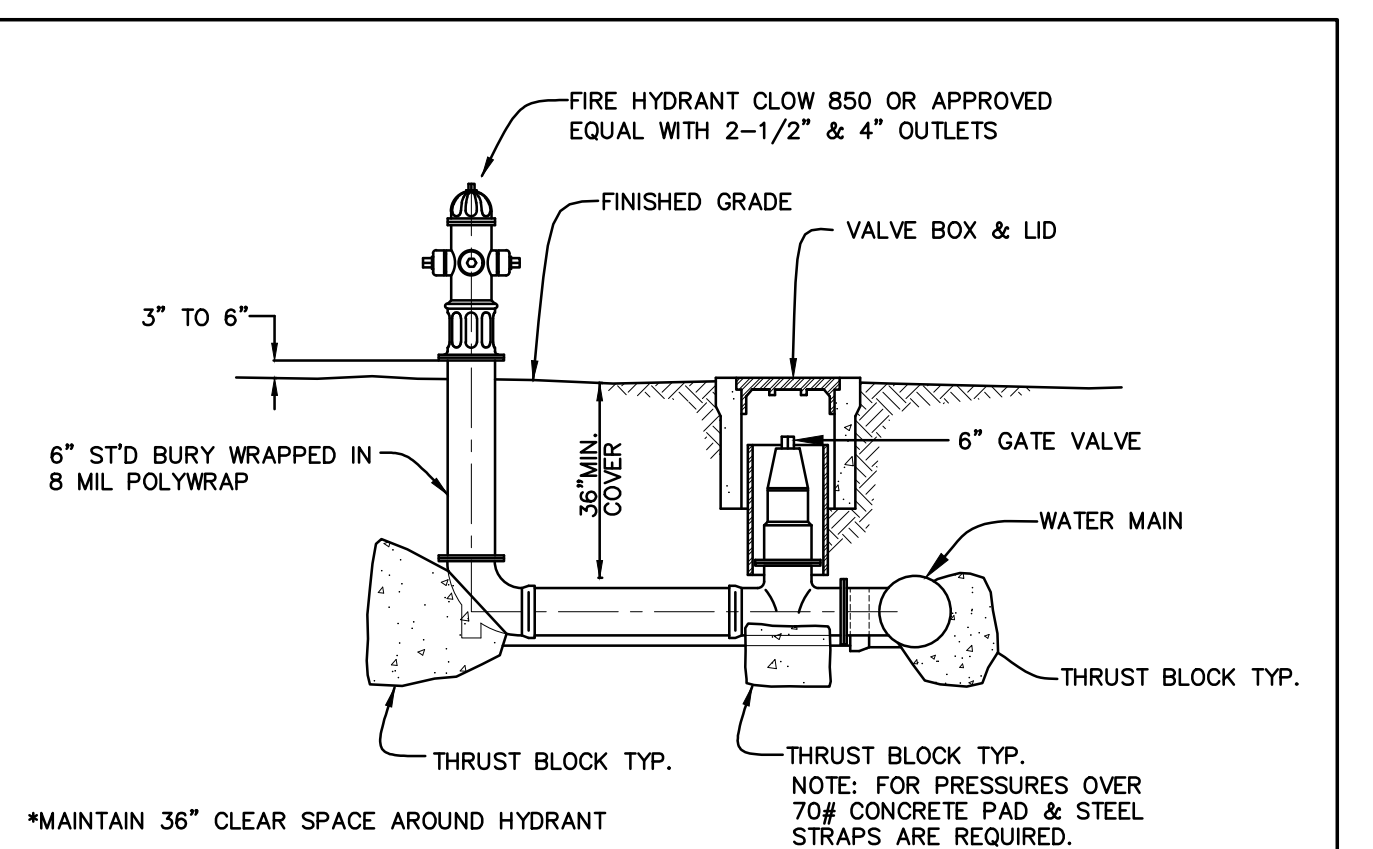




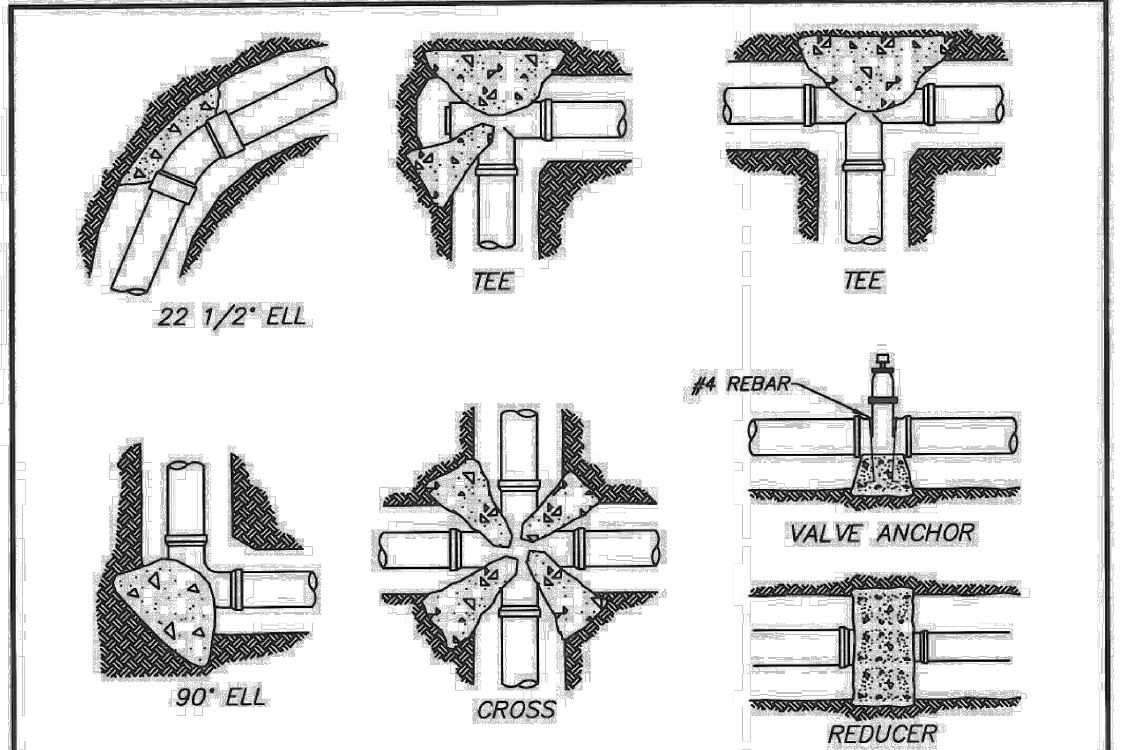
**1** C6 **DOUBLE DETECTOR CHECK ASSEMBLY**



**2** C6 **PVC/HDPE TRENCH DETAIL**



**3** C6 **FIRE HYDRANT**



THRUST BLOCK SCHEDULE					
BEARING AREA IN SQUARE FEET					
PIPE SIZE	TEE OR ELBOW	90° ELL.	45° ELL.	22 1/2° ELL.	CROSS VALVE
4\"/>					

- NOTES:
- 1) ALL VALVES, FITTINGS, AND DIRECTIONAL CHANGES ARE TO BE HELD IN PLACE BY CONCRETE THRUST BLOCKS.
  - 2) BEARING AREAS INDICATED ARE BASED ON ALLOWABLE SOIL PRESSURE OF 1000 PSF.
  - 3) CONCRETE IS NOT TO BEAR AGAINST PIPE. THRUST BLOCK TO ONLY BE IN CONTACT WITH FITTING.
  - 4) THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL.
  - 5) JOINTS SHALL BE KEPT CLEAR OF CONCRETE.
  - 6) THRUST BLOCKS SHALL BE CLASS "B" CONCRETE HAVING A MINIMUM OF 5 BAGS PORTLAND CEMENT (470 LBS./CY) & A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3000 psi.

WATER RESOURCES DEPARTMENT  
 CITY OF BAKERSFIELD, CALIFORNIA  
 THRUST BLOCK DETAIL

APPROVED: *[Signature]* DATE: 6/19/2016 PLATE NO: W-2  
 WASKER - WATER RESOURCES DEPARTMENT DATE: REV: 3-22-16

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**SITE UTILITY DETAILS**

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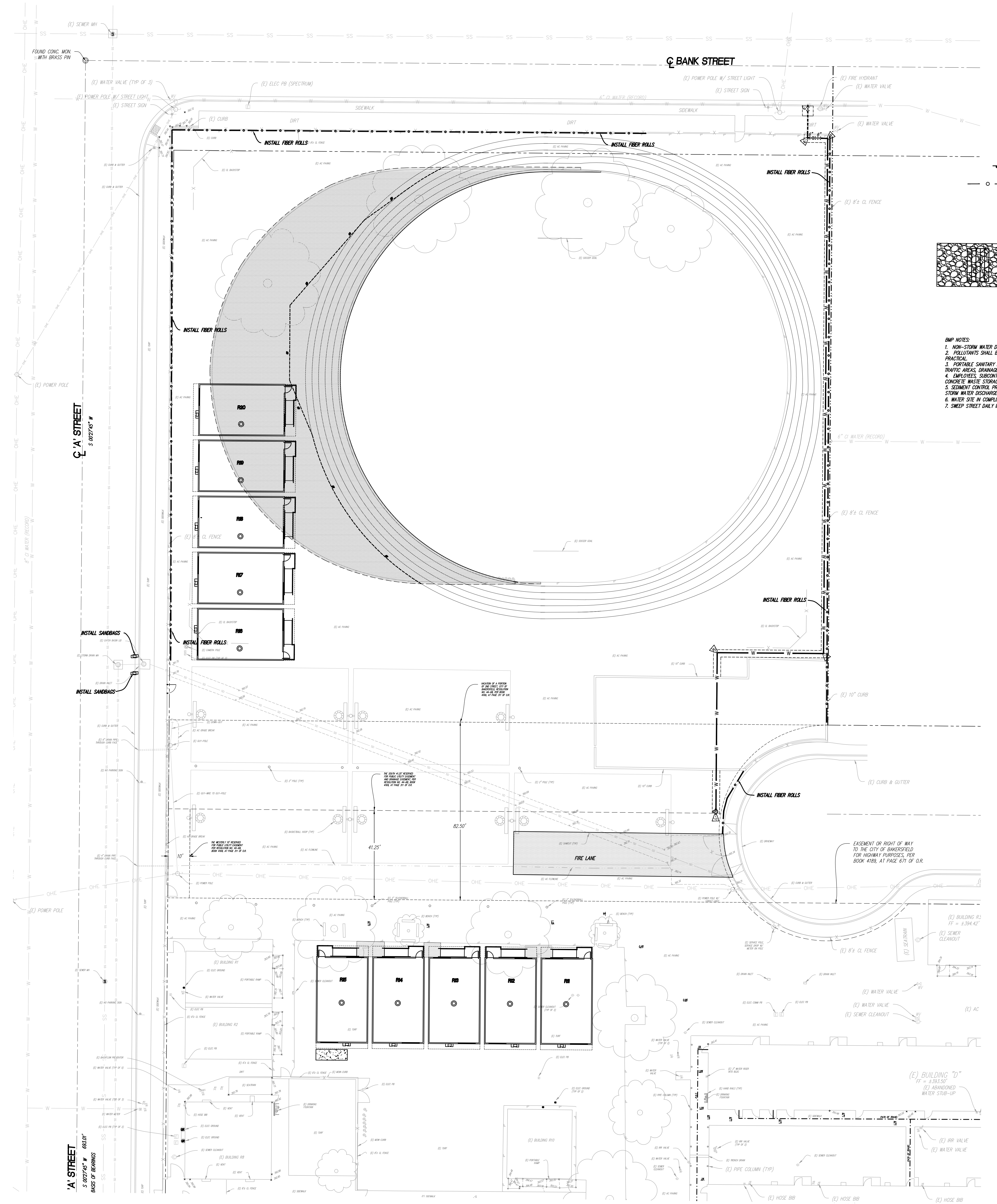
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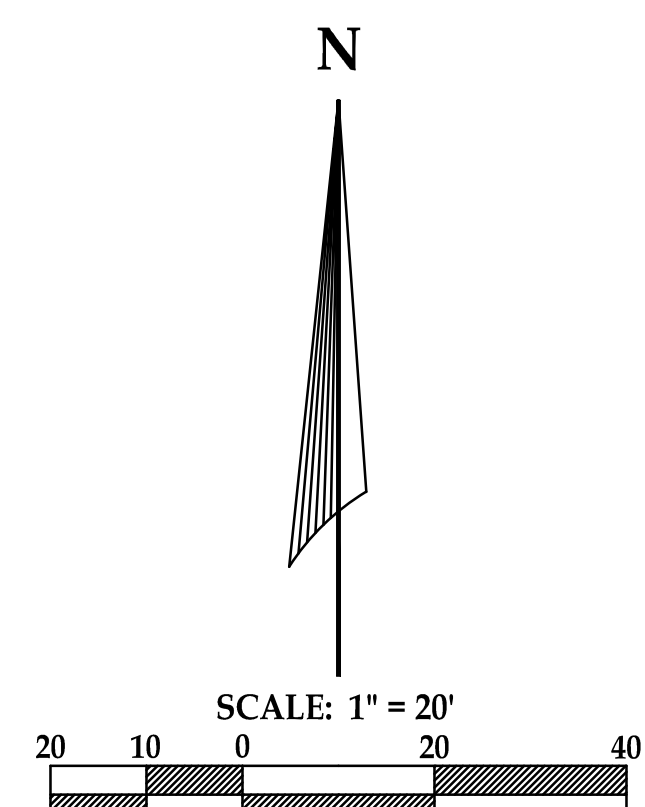
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 2000 OAK STREET SUITE 150 ~ BAKERSFIELD, CA 93307  
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 JOB# 22-062 RTS



**LEGEND**

- FURNISH AND INSTALL TRAFFIC SIGNS 15 MPH
- SILY FENCE OR FIBER ROLL PER CASHA DETAIL SE-1 OR SE-5
- (E) FIRE HYDRANT
- SANDBAGS, GRAVEL BAGS, OR OTHER INLET PROTECTION PER CASHA DETAIL SE-10
- 30"x60" GRAVEL ENTRY WITH GZZLY PER CASHA DETAIL TD-1, 1" PICK SIZE

- BMP NOTES**
1. NON-STORM WATER DISCHARGES ARE PROHIBITED FROM ENTERING ANY STORM DRAIN SYSTEM
  2. POLLUTANTS SHALL BE REMOVED FROM STORM WATER DISCHARGES TO THE MAXIMUM EXTENT PRACTICAL.
  3. PORTABLE SANITARY FACILITIES SHALL BE LOCATED ON RELATIVELY LEVEL GROUND AWAY FROM TRAFFIC AREAS, DRAINAGE COURSES, AND STORM DRAIN INLETS.
  4. EMPLOYEES, SUBCONTRACTORS AND SUPPLIERS SHALL BE EDUCATED ON ALL BMPs, INCLUDING CONCRETE WASTE STORAGE AND DISPOSAL PROCEDURES.
  5. SEDIMENT CONTROL PRACTICES SHALL EFFECTIVELY PREVENT A NET INCREASE OF SEDIMENT LOAD IN STORM WATER DISCHARGES.
  6. WATER SITE IN COMPLIANCE W/ CASQA ME-1.
  7. SWEEP STREET DAILY IN COMPLIANCE W/ CASQA SE-7.



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**EROSION CONTROL PLAN**

MARK	DATE	REVISIONS
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▲		
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**C**

**7**

OF SHEETS



**FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL**

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.  
 To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new structure, construction of new buildings, additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.  
 Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.  
 The Project Information and Fire & Life Safety Information sections are to be completed for all projects and mapped onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and mapped to the fire access site plan.  
 For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

**PROJECT INFORMATION**

School District/Owner: **BAKERSFIELD CITY SCHOOL DISTRICT**  
 Project Name/School: **ROOSEVELT ELEMENTARY SCHOOL (10) 24x40 PORTABLE CLASSROOMS**  
 Project Address: **2324 VERDE STREET, BAKERSFIELD, CA 93304**

**FIRE & LIFE SAFETY INFORMATION**

1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.) Yes  No   
 2. Was the fire hydrant water flow test performed as part of this LFA review? Yes  No   
 3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.) Yes  No   
 Refer to the following website for FHSZ locations: <http://oah.ca.gov/FHSZ/>  
 Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.) WIFA

**DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL**

CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED
	Yes No N/A NR
4. Emergency vehicle access roadways do not meet CFC requirements.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5. Fire Hydrants: Number and spacing does not meet CFC requirements.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
6a. Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

**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 life and life safety protection of life and property.  
 Accepted by: **MICHAEL HAMLIN** Title: **DIRECTOR**  
 Signature: *Michael Hamlin* Digitally signed by Michael Hamlin Date: 2023.09.21 10:34:09 -0700 Date: 09/21/23

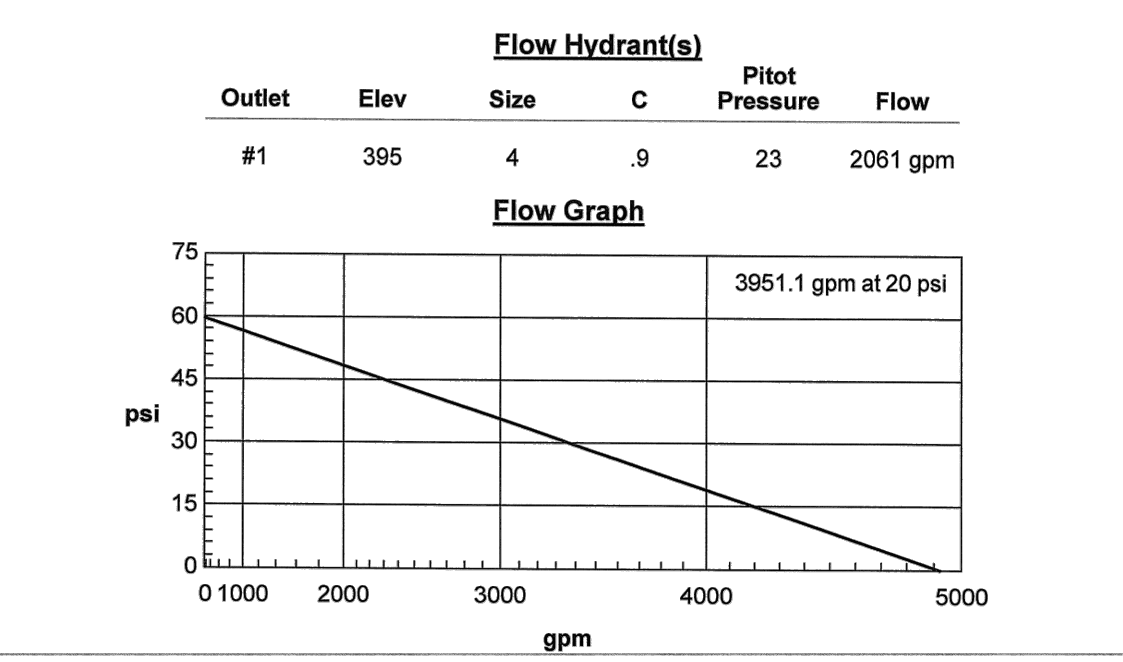
**LOCAL FIRE AUTHORITY (LFA) INFORMATION**

LFA Agency Name: **BAKERSFIELD FIRE DEPARTMENT**  
 LFA Review Official: **ERNE MEDINA**  
 Title: **FIRE PLANS EXAMINER** Work Phone: (811) 328-3578  
 Work Email: **EMEDINA@BAKERSFIELDFIRE.US**  
 LFA Reviewer's Signature: *Ernie Medina* Date: **1/27/23**

**Hydrant Flow Test Report**

Location: **Roosevelt Elem, 2324 Verde St.**  
 Tested by: **Lilian V. Dan P. Hershel M. Robert B.**  
 Test Date: **1/9/2023** Test Time: **10:30 am**

**Notes**  
 Flow hydrant is on the southwest corner of A St and Bank St. Read hydrant is 327 ft East of A St and Bank St.  
**Read Hydrant**  
 60 psi static pressure  
 43 psi residual pressure  
 395 gpm hydrant elevation



Created with the free hydrant flow test program from [www.greaseinc.com](http://www.greaseinc.com)

**LEGEND:**

- NO WORK SCHEDULE FOR THIS BUILDING
- AREA OF SCHEDULED WORK FOR THIS APPLICATION
- (E) ACCESSIBLE RESTROOM
- PATCH & MATCH TURF AS REG'D
- PATCH & MATCH AC PAVING AS REG'D
- PATH OF TRAVEL
- PROPERTY LINE
- (E) CHAIN LINK FENCE
- 6'-0" CHAIN LINK FENCE
- FIRE DEPARTMENT ACCESS
- GATE - SEE SCHEDULE

**PATH OF TRAVEL:**

PATH OF TRAVEL (POT) AS INDICATED IS A COMMON BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/4" AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL POT IS A MINIMUM OF 48" WIDE, THE SURFACE SHALL BE FIRM, STABLE, AND SLIP RESISTANT. PASSING SPACES (11B-409.5.3) AT LEAST 60"x60" SHALL BE LOCATED NOT MORE THAN 200' APART. PARTS OF POT WITH CONTINUOUS GRADIENTS SHALL HAVE 60" LEVEL AREAS AT INTERVALS OF 400' MAXIMUM (11B-409.7) SLOPE SHALL NOT EXCEED 2% CROSS-SLOPE AND 5% RUNNING SLOPE IN THE DIRECTION OF TRAVEL (11B-401) SLOPES GREATER THAN 5% TO A MAXIMUM OF 8.5% SHALL BE CONSIDERED AS A RAMP (11B-405). THERE SHALL BE NO DROP-OFF OVER 4" ALONG THE EDGE OF WALK OR LANDINGS. POT SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS AND OBJECTS PROTRUDING GREATER THAN 4" FROM A WALL, BETWEEN 21" TO 80" ABOVE FINISHED GRADE. ARCHITECT SHALL VERIFY THAT NO BARRIERS EXIST IN THE PATH OF TRAVEL.

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

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

**SITE PLAN GENERAL NOTES:**

- SEE ELECTRICAL SITE PLANS FOR ADDITIONAL SITE RELATED WORK. CONTRACTOR SHALL COORDINATE ALL WORK AS REQ'D TO ENSURE A COMPLETE & FINISHED PROJECT.
- CONTRACTOR TO TAKE ALL NECESSARY AND REQUIRED MEASURES TO PROTECT (E) IRRIGATION & TURF AREAS WITHIN THE JOB SITE, AND SHALL BE RESPONSIBLE TO REPLACE ANY OR ALL BROKEN IRRIGATION SYSTEMS, RESEED TURF AS REQUIRED.
- CONTRACTOR TO FULFILL (E) UTILITY BOXES, (E) VALVES, ETC. IN AREA OF SCHEDULED WORK. DEMO, REMOVE, RELOCATE AND/OR MODIFY AS NECESSARY TO COMPLETE THE WORK INDICATED. NOTIFY THE ARCHITECT OF ANY DISCREPANCY BETWEEN EXISTING CONDITIONS AND PLANS.
- CONTRACTOR SHALL PATCH & MATCH ANY ADJACENT SURFACES DAMAGED AS A RESULT OF PERFORMING THE WORK REQUIRED.

**BUILDING CODE ANALYSIS**

BUILDING DESIGNATION	APPLICATION #	RELO #	BUILDING USE	BLDG OCC TYPE	TYPE OF CONST	BASIC ALLOWABLE AREA	ACTUAL HT STRY/FT	ACTUAL AREA	OCCUPANT LOAD	TOTAL OCCUPANCY	MINIMUM REQUIRED EGRESS WIDTH PER CBC 2022, SEC 1005.1		MINIMUM REQUIRED EXIT PER CBC 2022 1006		
											OCC X 0.2	EGRESS WIDTH (IN) PROVIDED	OCC X 44 (1) EXIT REG'D	NO OF EXITS PROVIDED	
BUILDING CLUSTER 1	PER THIS APPLICATION	R11	CLASSROOM	U-BNS	V-BNS	4500	STRY/2-6'	960	4800	48	48	4.6	36		
		R12	CLASSROOM	U-BNS	V-BNS	4500	STRY/2-6'	960	4800	48	48	4.6	36		
		R13	CLASSROOM	U-BNS	V-BNS	4500	STRY/2-6'	960	4800	48	48	4.6	36		
		R14	CLASSROOM	U-BNS	V-BNS	4500	STRY/2-6'	960	4800	48	48	4.6	36		
		R15	CLASSROOM	U-BNS	V-BNS	4500	STRY/2-6'	960	4800	48	48	4.6	36		
BUILDING CLUSTER 2	PER THIS APPLICATION	R16	CLASSROOM	U-BNS	V-BNS	4500	STRY/2-6'	960	4800	48	48	4.6	36		
		R17	CLASSROOM	U-BNS	V-BNS	4500	STRY/2-6'	960	4800	48	48	4.6	36		
		R18	CLASSROOM	U-BNS	V-BNS	4500	STRY/2-6'	960	4800	48	48	4.6	36		
		R19	CLASSROOM	U-BNS	V-BNS	4500	STRY/2-6'	960	4800	48	48	4.6	36		
		R20	CLASSROOM	U-BNS	V-BNS	4500	STRY/2-6'	960	4800	48	48	4.6	36		

**GATE SCHEDULE**

GATE #	SIZE (EACH LEAF)	MATL	FRM	HWKR #	DETAIL	REMARKS	GATE #
1	3'-0"x6'-0"	CL	CL	-	18/AB	-	1
2	4'-0"x6'-0"	CL	CL	-	18/AB	-	2
3	3'-0"x6'-0"	CL	CL	-	18/AB	-	3
4	10'-0"x6'-0"	FR	-	-	KNOX BOX	1/4" DAISY CHAIN	4

**SAFE DISPERSAL AREA**

PER CBC 2022 452.1.3 & 1028.5  
 MAX OCCUPANTS X 5# = MIN. AREA #  
 MAX OCC/200 = MIN WHEELCHAIR SP REQ'D, W/2 SF MIN  
 480 X 5# = 2400#  
 480/200 = 2.4  
 2430# REQUIRED 30'x50' = 2800# W/ (5) WHEELCHAIR SPACES PROVIDED, SEE SHEET A1 AREA (C)

**CAMPUS DIRECTORY**

BLDG ID#	BUILDING DESCRIPTION	DSA A#	CERTIFICATION TYPE	CLOSE DATE	DATE OF APPROVAL
(E) BLDG 'A'	ADMINISTRATION / LIBRARY	#312	-	-	-
	#2438	-	-	-	-
	#11562	-	-	-	-
	#51474	# 1: 8/5/1998	-	-	-
	#45050	-	-	-	-
	#03-116171	# 1: 6/9/2022	PENDING	4/3/2016	-
	#03-122420	PENDING	PENDING	7/5/2023	-
(E) BLDG 'B'	CLASSROOM BUILDING	#11562	-	-	-
(E) BLDG 'C'	CLASSROOM BUILDING	#51474	# 1: 8/5/1998	-	-
	#03-116171	# 1: 6/9/2022	PENDING	4/3/2016	-
	#03-122420	PENDING	PENDING	7/5/2023	-
(E) BLDG 'D'	CLASSROOM BUILDING	#11562	-	-	-
	#51474	# 1: 8/5/1998	-	-	-
	#03-116171	# 1: 6/9/2022	PENDING	4/3/2016	-
	#03-122420	PENDING	PENDING	7/5/2023	-
(E) BLDG 'E'	KINDERSGARTEN	#11562	-	-	-
	#51474	# 1: 8/5/1998	-	-	-
	#03-116171	# 1: 6/9/2022	PENDING	4/3/2016	-
	#03-122420	PENDING	PENDING	7/5/2023	-
(E) R1'	SPECIAL ED / PRE-K	-	-	-	-
(E) R2'	TK	-	-	-	-
(E) R3'	CLASSROOM	#17766	-	-	-
(E) R4'	CLASSROOM	#4875	-	-	-
	#11562	-	-	-	-
(E) R5'	CLASSROOM	#17766	-	-	-
(E) R6'	CLASSROOM	#17766	-	-	-
(E) R7'	CLASSROOM	#17766	-	-	-
(E) R8'	PRE-K	#03-110694	# 1: 7/21/2008	6/5/2007	-
(E) R9'	PTC	#61168	-	-	-
(E) R10'	CLASSROOM	#03-116171	# 1: 6/9/2022	4/3/2016	-
(E) R11'-R20'	TEMPORARY CLASSROOMS	PER THIS APPLICATION	PENDING	-	-

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP: 03-123198 INC.  
 REVIEWED FOR:  
 DATE: 10/31/2023

PTN: 63321-406 FILE: 15-6

(10) 24x40 TEMPORARY PORTABLE CLASSROOMS  
 ROOSEVELT ELEMENTARY SCHOOL  
 FOR  
 BAKERSFIELD CITY SCHOOL DISTRICT  
 BAKERSFIELD, KERN COUNTY, CALIFORNIA



1601 NEW STINE ROAD, SUITE 280  
 BAKERSFIELD, CA 93309  
 PH: (661) 397-4377  
 FAX: (661) 397-4378  
 WWW.SCARCHITECT.COM



STEPHEN J. CORBIN, N.CARB, AIA, LEED®-AP

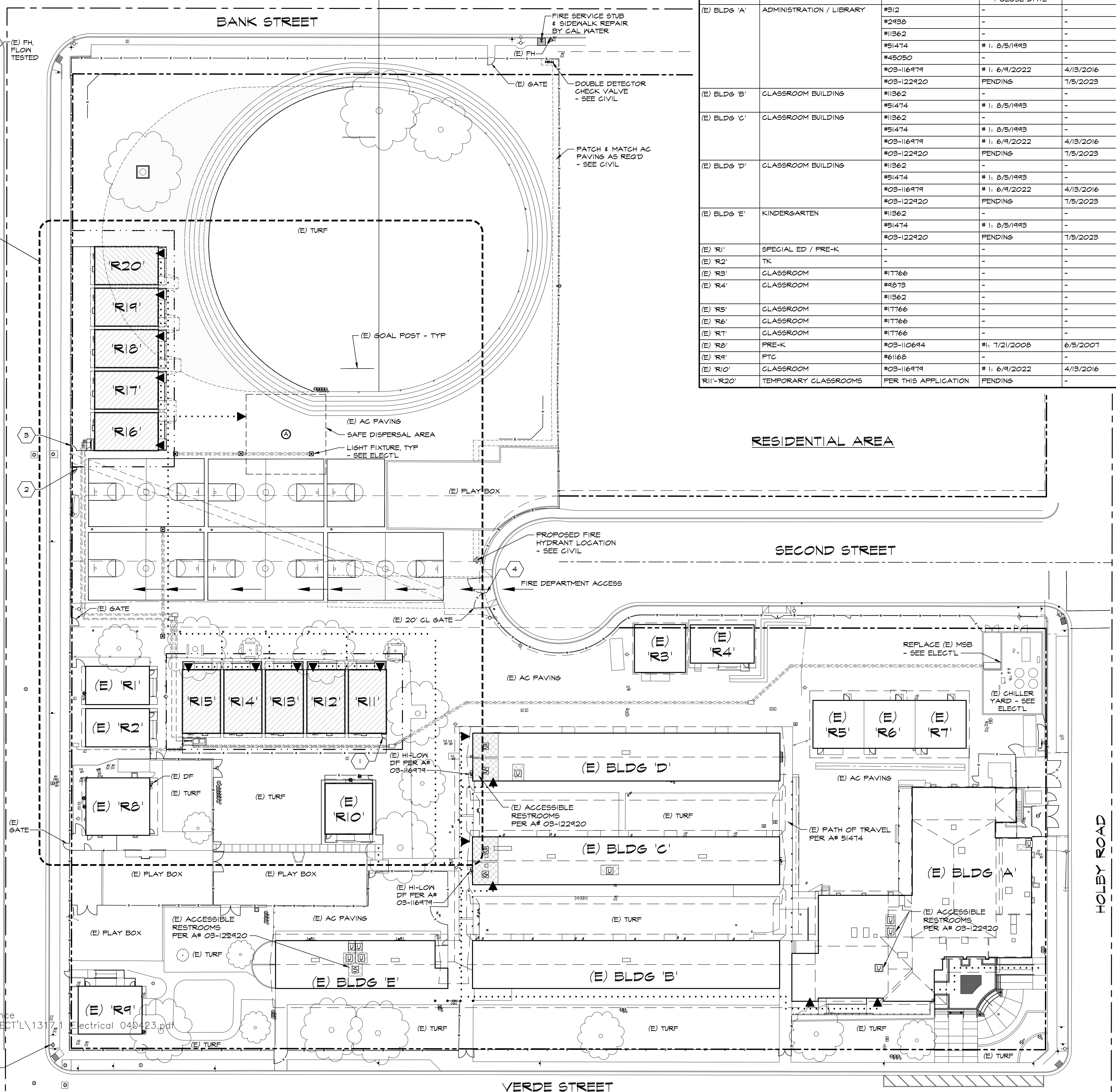
CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.



**OVERALL SITE PLAN**

MARK	DATE	REVISIONS

JOB NO. 1317.1  
 DRAWN: ED, FS  
 CHECKED: BCW  
 DATE: 10/23/23  
 1 OF 73 SHEETS






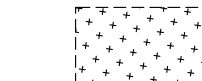
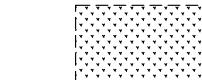
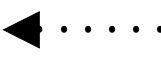
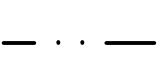
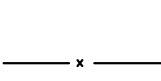

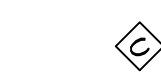


**OVERALL SITE PLAN**

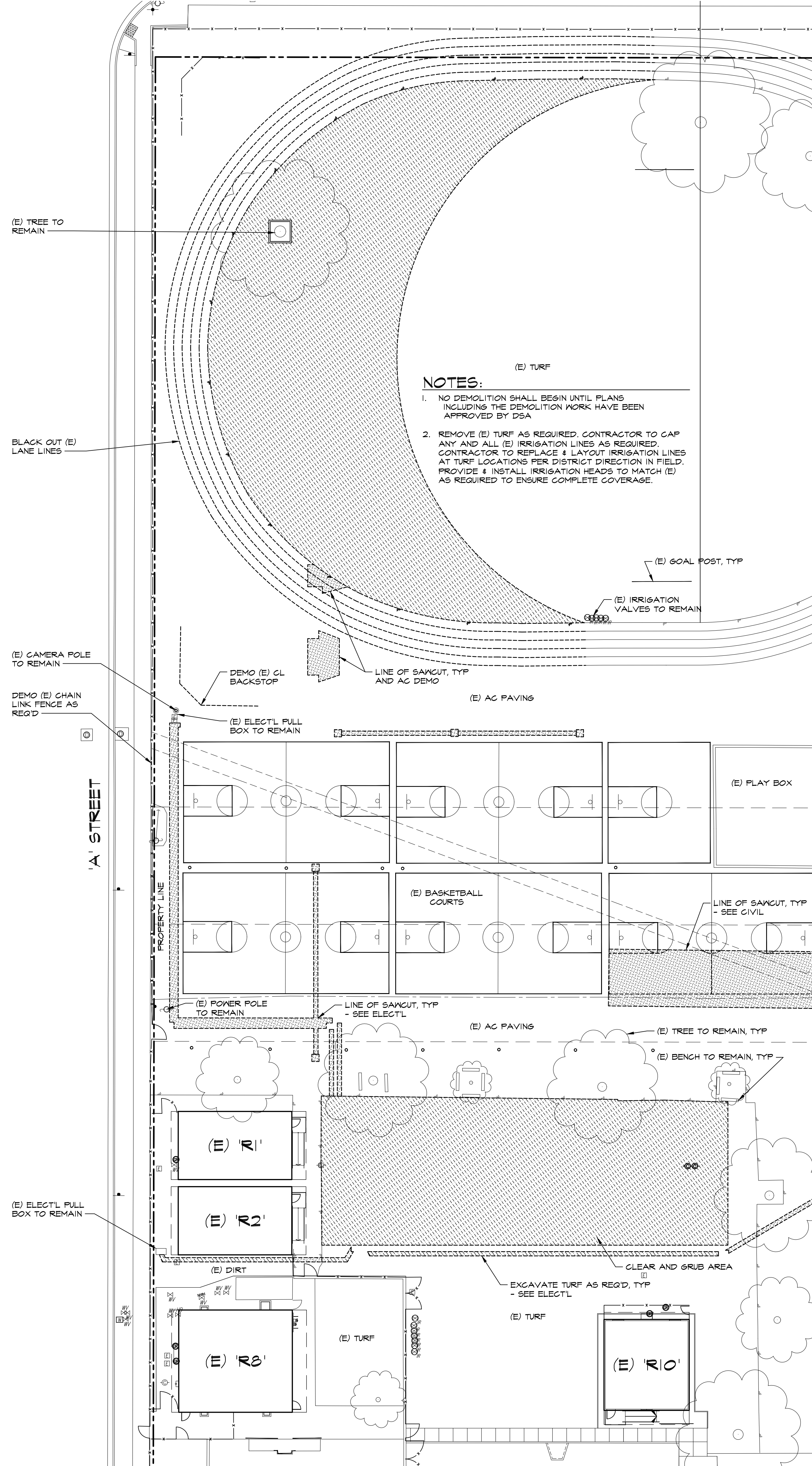
SCALE: 1" = 30'-0"

**DEMOLITION LEGEND:**

-  DEMO AC PAVING AS REQ'D
-  TO BE DEMOLISHED
-  LIMITS OF TURF & IRRIGATION REMOVAL

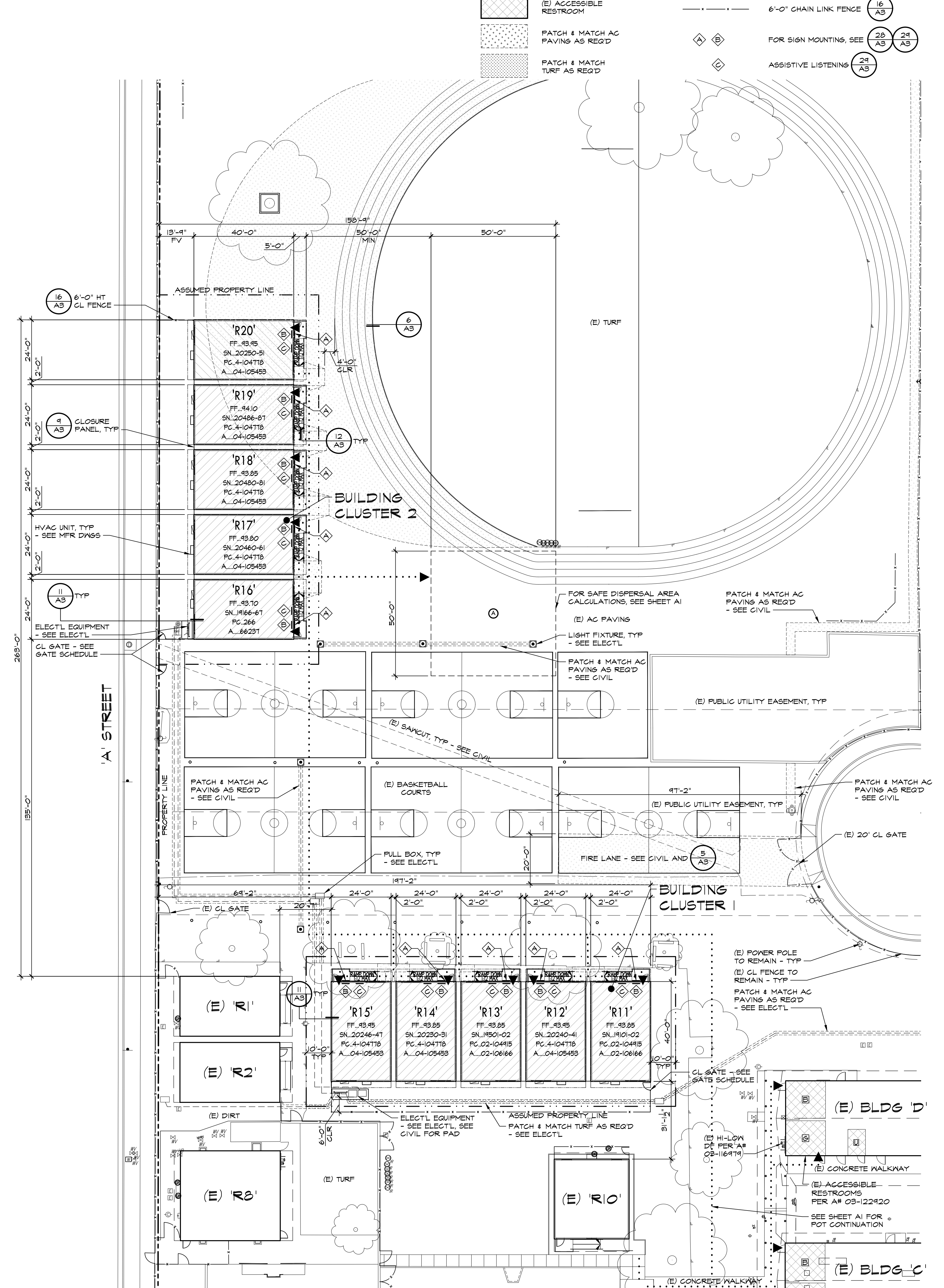
**LEGEND:**

-  NO WORK SCHEDULE FOR THIS BUILDING
-  AREA OF SCHEDULED WORK FOR THIS APPLICATION
-  (E) ACCESSIBLE RESTROOM
-  PATCH & MATCH AC PAVING AS REQ'D
-  PATCH & MATCH TURF AS REQ'D
-  PATH OF TRAVEL
-  PROPERTY LINE
-  ASSUMED PROPERTY LINE
-  (E) CHAIN LINK FENCE
-  6'-0" CHAIN LINK FENCE
-  FOR SIGN MOUNTING, SEE 26 AS, 28 AS, 29 AS
-  ASSISTIVE LISTENING 29 AS



**B PARTIAL DEMO SITE PLAN**

SCALE: 1" = 20'-0"



**A PARTIAL SITE PLAN**

SCALE: 1" = 20'-0"

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**(10) 24x40 TEMPORARY PORTABLE CLASSROOMS**  
**ROOSEVELT ELEMENTARY SCHOOL**  
FOR  
BAKERSFIELD CITY SCHOOL DISTRICT  
2324 VERDE STREET  
BAKERSFIELD, KERN COUNTY, CALIFORNIA



1601 NEW STINE ROAD, SUITE 280  
BAKERSFIELD, CA 93309  
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**PARTIAL SITE PLAN AND PARTIAL DEMO SITE PLAN**

MARK	DATE	REVISIONS

JOB NO.  
1317.1  
DRAWN:  
ED, FS  
CHECKED:  
BCW  
DATE:  
10/23/23

**2**  
7 OF 73 SHEETS

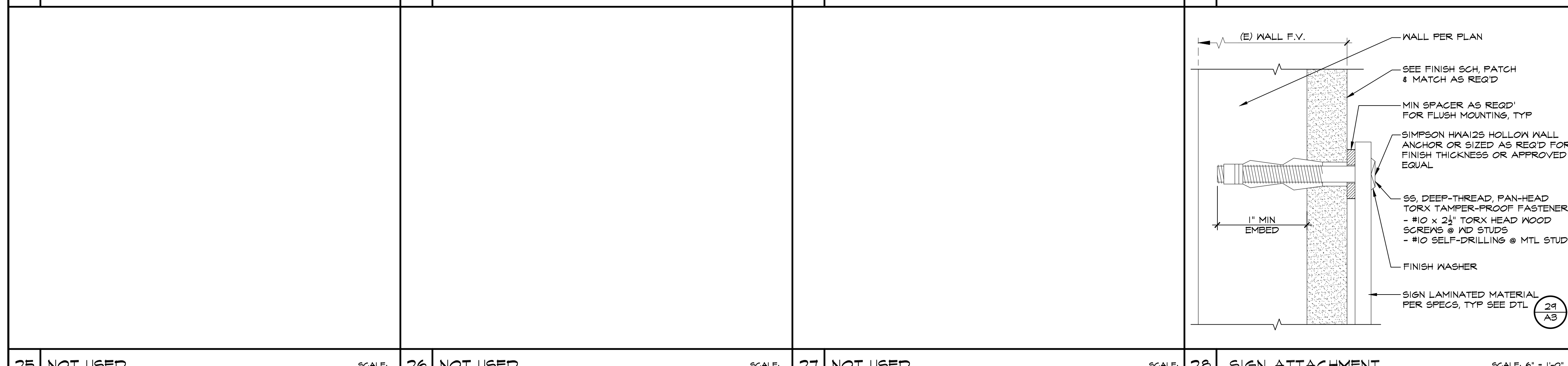
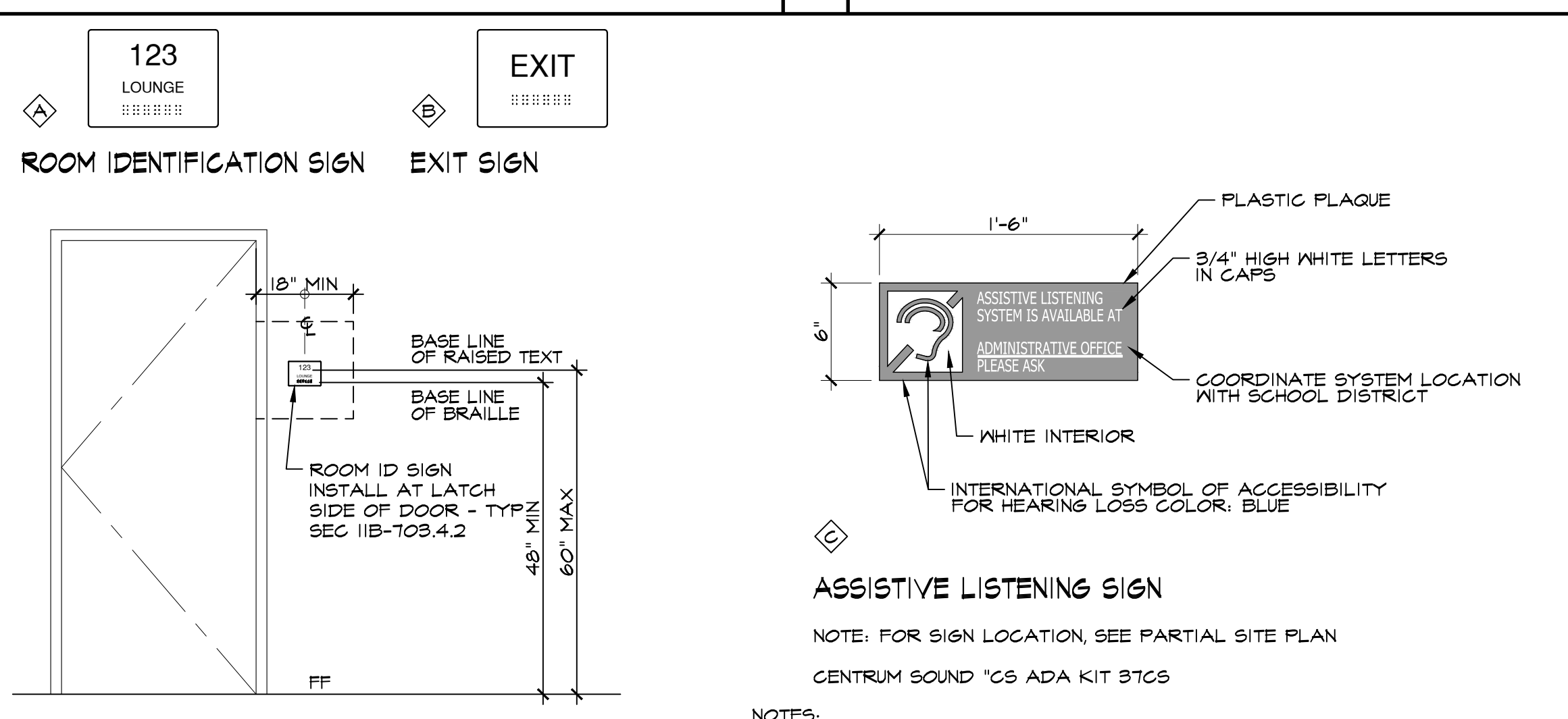
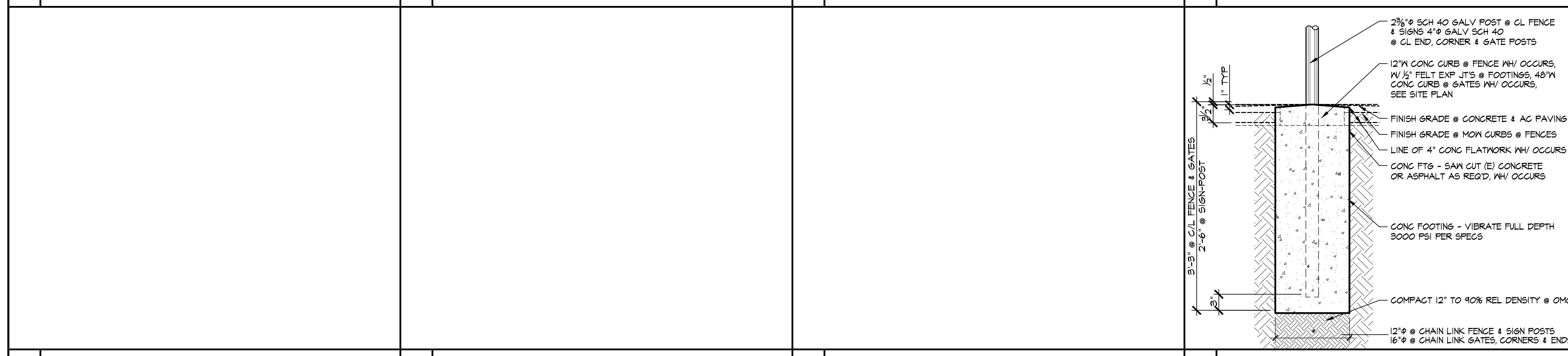
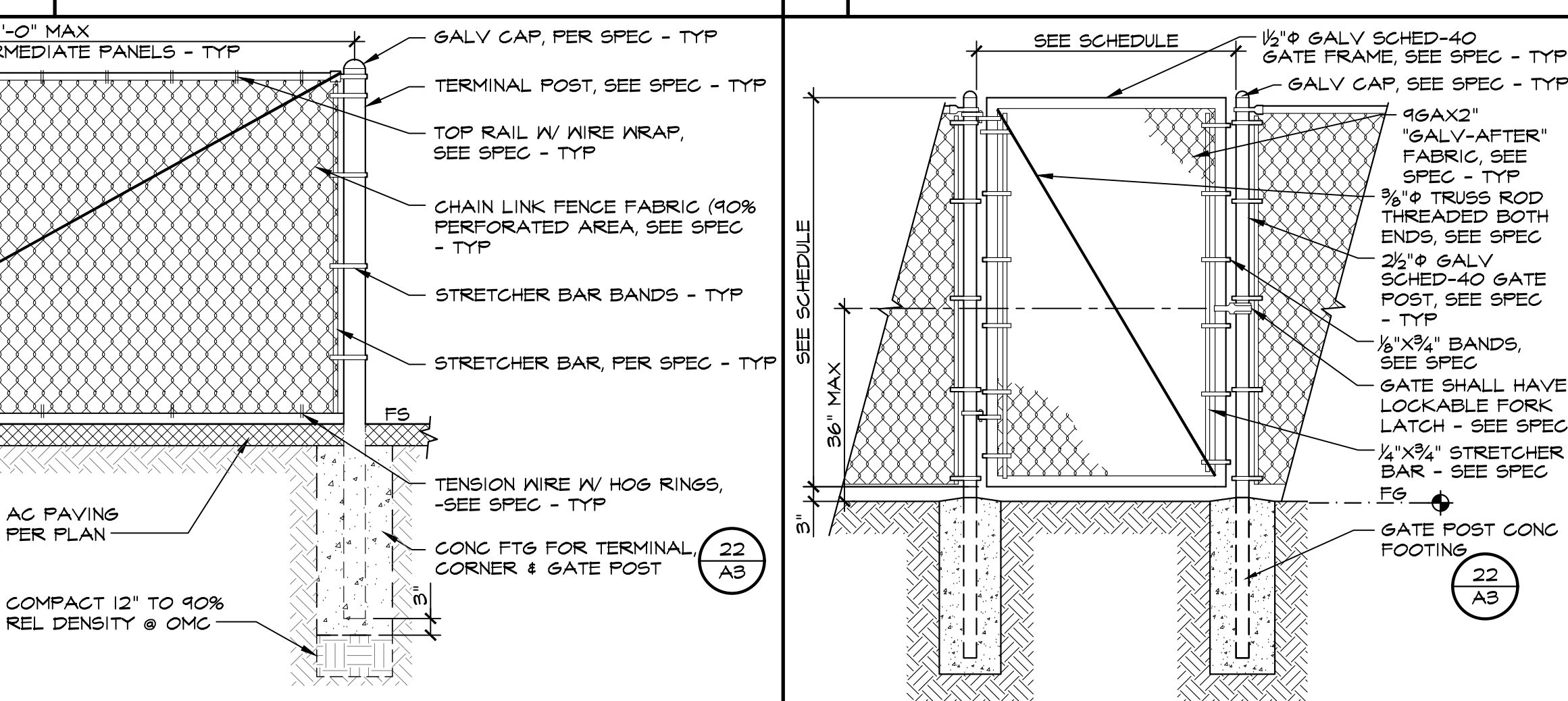
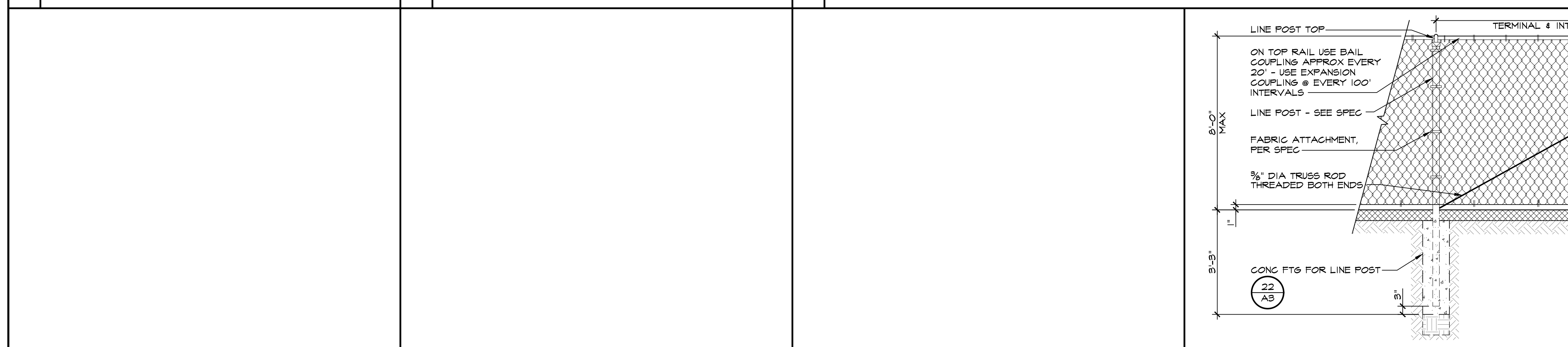
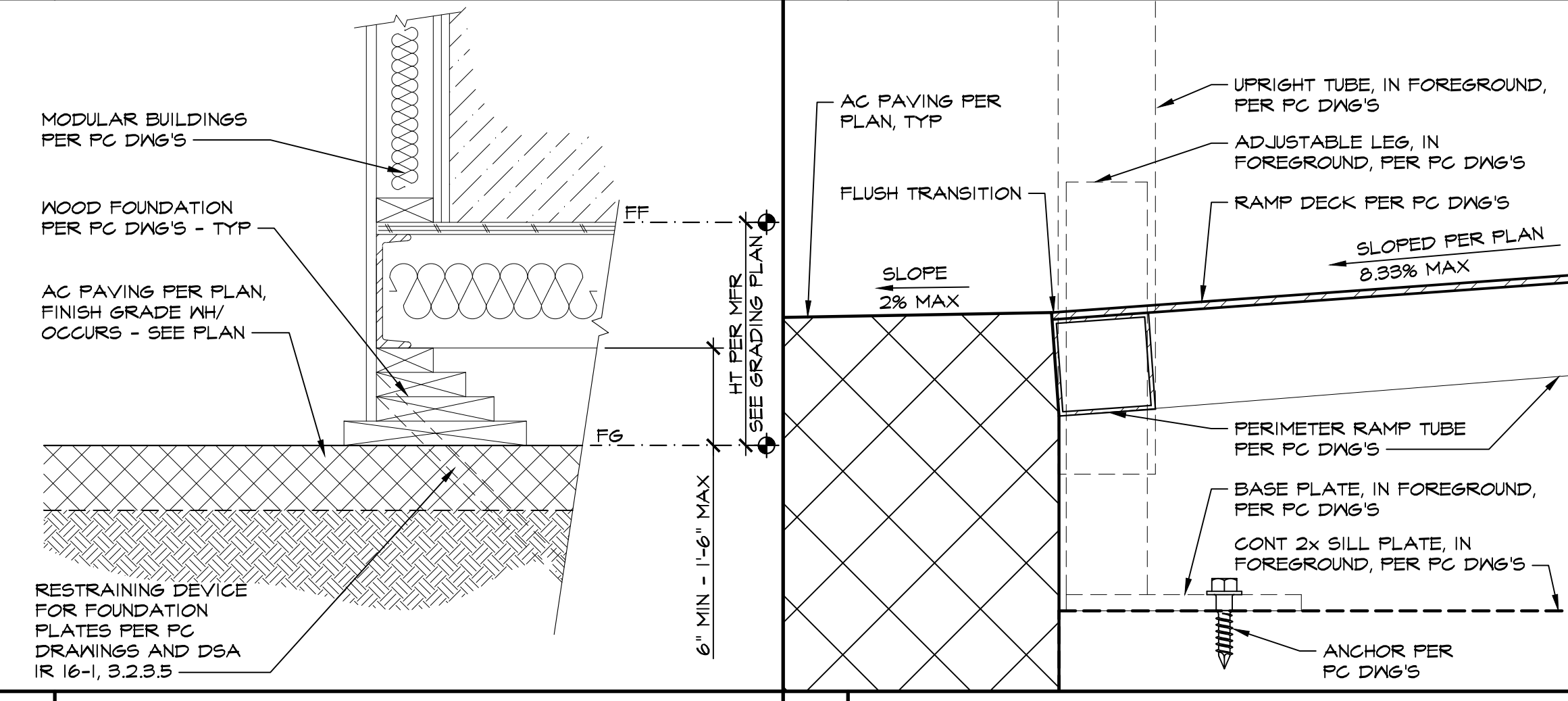
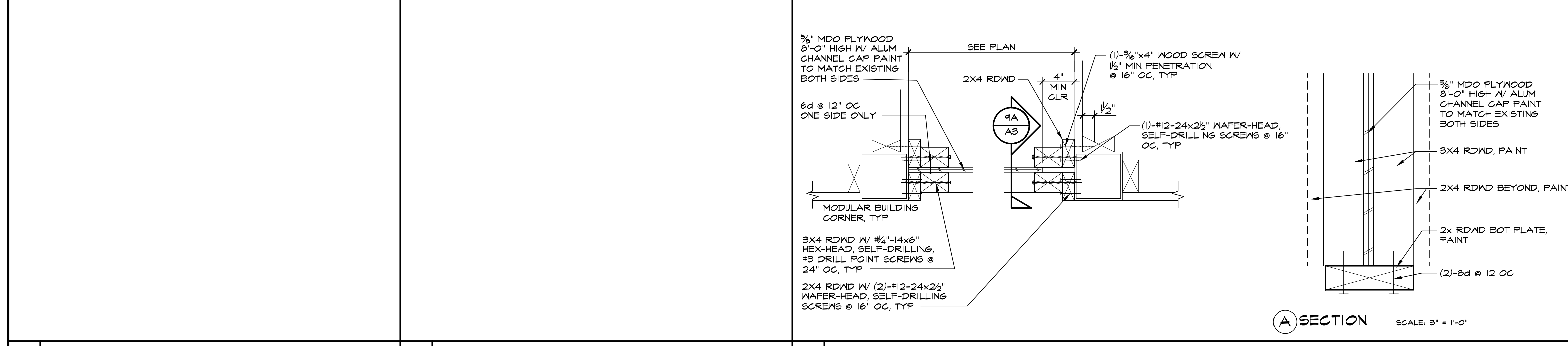
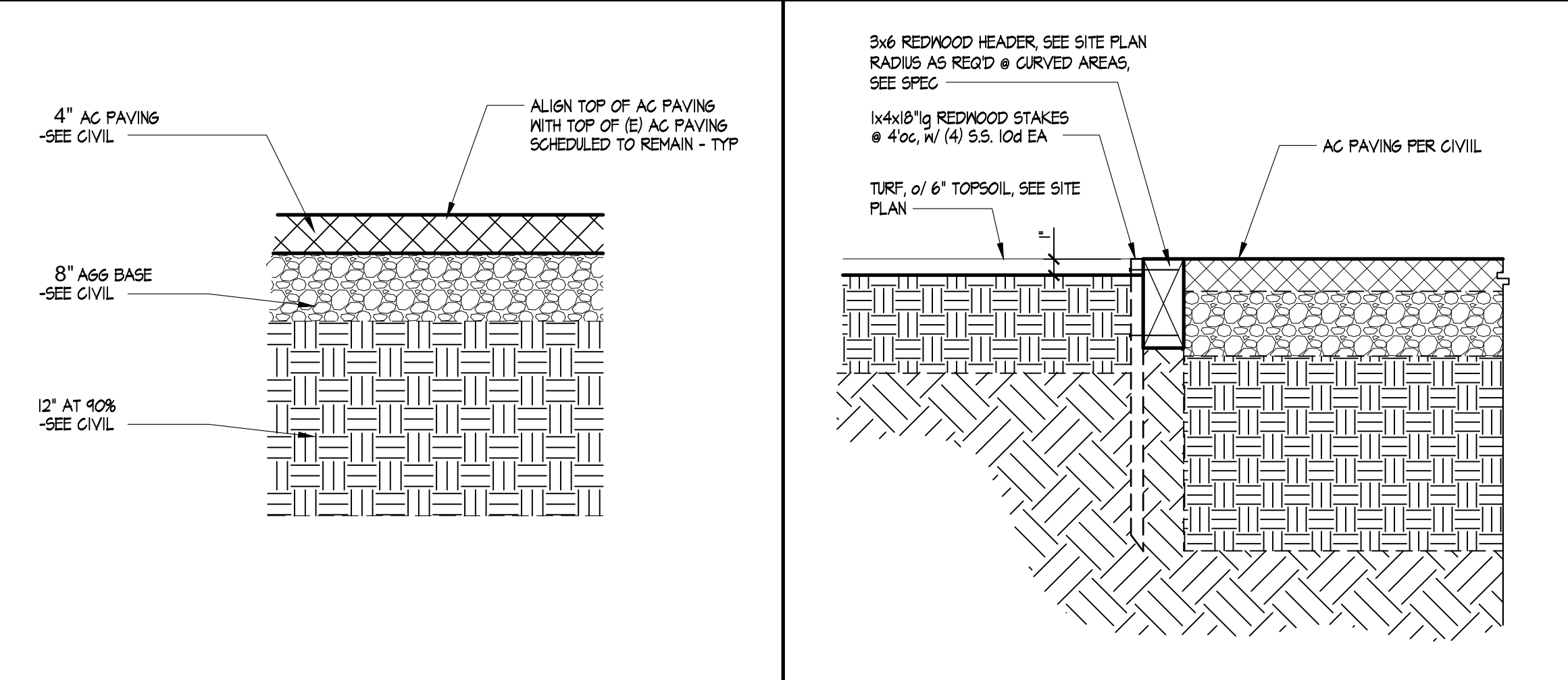
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7	NOT USED	SCALE:	8	NOT USED	SCALE:	9	CLOSURE PANEL	SCALE: 1/2" = 1'-0"	10	AC PAVING @ MODULAR BUILDING	SCALE: 1/2" = 1'-0"	11	RAMP TRANSITION	SCALE: 6" = 1'-0"
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13	NOT USED	SCALE:	14	NOT USED	SCALE:	15	NOT USED	SCALE:	16	CHAIN LINK FENCE	SCALE: 1/2" = 1'-0"	17	CHAIN-LINK GATE	SCALE: 1/2" = 1'-0"
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19	NOT USED	SCALE:	20	NOT USED	SCALE:	21	NOT USED	SCALE:	22	POST FOOTING DETAIL	SCALE: 1" = 1'-0"	23	ROOM IDENTIFICATION SIGN	SCALE: 1" = 1'-0"	24	ASSISTIVE LISTENING SIGN	SCALE: 1" = 1'-0"
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25	NOT USED	SCALE:	26	NOT USED	SCALE:	27	NOT USED	SCALE:	28	SIGN ATTACHMENT	SCALE: 6" = 1'-0"	29	DOOR SIGNAGE	SCALE: NTS
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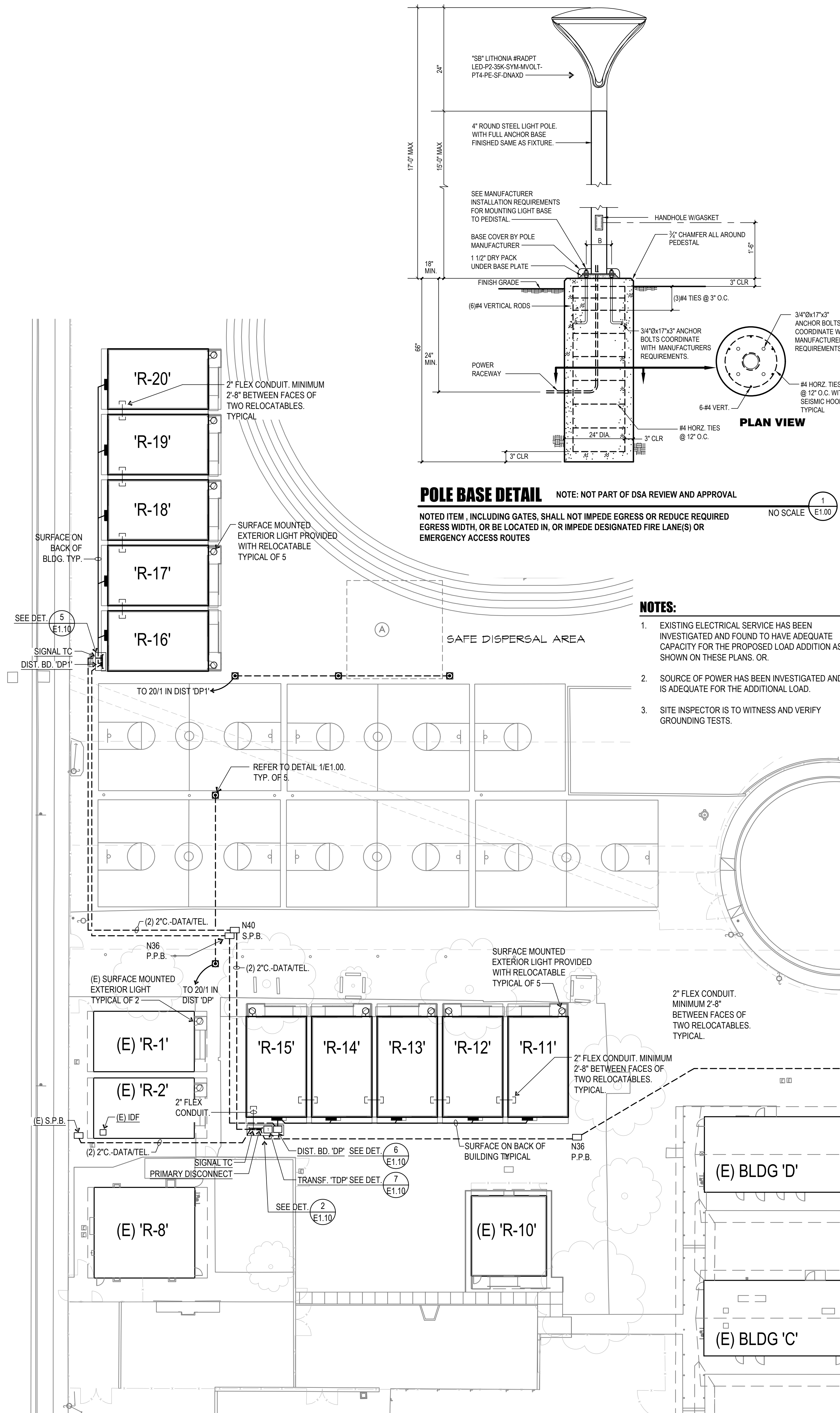


DETAILS

MARK	DATE	REVISIONS
△		
△		
△		

JOB NO.  
1317.1  
 DRAWN:  
ED, FS  
 CHECKED:  
BCW  
 DATE:  
10/23/23

3  
8 OF 73 SHEETS



**GENERAL ELECTRICAL NOTES**

- PROVIDE MINIMUM 36" WORK CLEARANCE IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED AT 120/208V 3Ø 4W (PER CEC-110.26).
- PROVIDE MINIMUM 42" WORK CLEARANCE IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED AT 480/277V 3Ø 4W (PER CEC-110.26).
- PROVIDE MINIMUM 30" WIDE WORK SPACE FOR PANELS, SERVICE OR EQUIPMENT (PER CEC-110.26).
- SPECIFY THAT ONLY LISTED OR LABELED EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH INSTRUCTIONS INCLUDED IN THE LISTING AND LABELING (PER CEC-110.3(B)).
- ALL SERVICE EQUIPMENT TO BE SUITABLE FOR AVAILABLE SHORT CIRCUIT CURRENT PER CEC ART 110.9.
- PERMANENTLY DELINEATE ON THE FLOOR WORKING CLEARANCE IN FRONT OF ALL ELECTRICAL EQUIPMENT WITH THE WORDING "NO STORAGE IN THIS AREA". APPLIES TO ELECTRICAL ROOMS AND CLOSETS ONLY.
- PRIOR TO ORDERING THE SWITCHGEAR, THE ELECTRICAL CONTRACTOR SHALL COORDINATE A.I.C. RATINGS OF SWITCHBOARDS AND PANEL BOARDS PER UTILITY COMPANY REQUIREMENTS. EVIDENCE OF SUCH COORDINATION SHALL BE AVAILABLE ON SITE FOR REVIEW BY INSPECTOR OF RECORD (IOR).
- SWITCHBOARDS AND PANEL BOARDS THAT ARE LIKELY TO BE ENERGIZED WHILE BEING MAINTAINED OR SERVICED BY QUALIFIED PERSONNEL SHALL BE LABELED WARNING OF POSSIBLE ARC FLASH HAZARDS AND IDENTIFIED WITH THE APPROPRIATE ARC FLASH PROTECTION RATING PERSONAL PROTECTIVE EQUIPMENT (PPE) SIGNAGE (PER CEC ART. 110.16).
- CONTRACTOR IS TO PROVIDE ENGRAVED NAMEPLATES ON EACH SERVICE PANEL, TRANSFORMER, DISCONNECT SWITCH MOTOR STARTER, ETC. (PER CEC-110.3).
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A LABEL PER CEC ARTICLE 408.4(A). PROVIDE TYPED PANEL BOARD DIRECTORIES. PANEL BOARDS SHALL ALSO BE MARKED COMPLIANT WITH CEC 408.4(B) FOR ORIGINATED SOURCE OF POWER.
- NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN 6 FEET OF THE FLOOR OR TO THE STRUCTURAL CEILING ABOVE THE SPACE OF ELECTRICAL EQUIPMENT (PER CEC ART. 110.26).
- THE DISCONNECTING MEANS FOR EACH SERVICE, FEEDER OR BRANCH CIRCUIT ORIGINATING ON A SWITCHBOARD OR PANELBOARD SHALL BE LEGIBLY AND DURABLY MARKED TO INDICATE ITS PURPOSE UNLESS SUCH PURPOSE IS CLEARLY EVIDENT (CFC-605.3.1).
- ALL WORK SHALL MEET THE LATEST ADOPTED ADDITIONS OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24 AND ALL OTHER APPLICABLE REGULATIONS, WHICH INCLUDE:
 

CALIFORNIA BUILDING CODE	2022
CALIFORNIA ELECTRICAL CODE	2022
NON RESIDENTIAL CEC ENERGY STANDARDS	2022

**ELECTRICAL SYMBOL SCHEDULE**

SYMBOL	NAME	DESCRIPTION
(1) (S)	FIXTURE TYPE 'D' AND WATTAGE '30"	REFER TO FIXTURE SCHEDULE AND SPECIFICATIONS
(2)	DUPLEX CONVENIENCE OUTLET MOUNTED @ +15" MIN. TO BOTTOM OF BOX, U.O.N.	20A, NEMA GROUNDED
(3)	WEATHERPROOF CONVENIENCE OUTLET MOUNTED @ +15" MIN. TO BOTTOM OF BOX, U.O.N.	20A, NEMA GROUNDED
(4)	QUADRUPLUX CONVENIENCE OUTLET MOUNTED @ +15" MIN. TO BOTTOM OF BOX, U.O.N.	20A, NEMA GROUNDED
(5)	ELECTRICAL SWITCHBOARD	REFER TO POWER SINGLE LINE DIAGRAM
(6)	ELECTRICAL PANEL	REFER TO PANEL SCHEDULE
(7)	TERMINAL CABINET	24"x18"x18" D
(8)	MOTOR WITH FUSIBLE DISCONNECT SWITCH, W.P. AS REQ'D	REFER TO MECHANICAL PLANS & SPECIFICATIONS.
(9)	JUNCTION BOX	4" SQUARE BOX & FLUSH PLATE MINIMUM
(10)	WIRING BELOW GRADE	3/4" CONDUIT MINIMUM.
(11)	WIRING IN WALL OR CEILING	3/4" CONDUIT MINIMUM.
(12)	FLEXIBLE CONDUIT	3/4" CONDUIT MINIMUM.
(13)	CONDUIT STUB AND CAP	3/4" CONDUIT MINIMUM.
(14)	HASH MARKS DENOTES QUANTITY OF CONDUCTORS	
(15)	HOME RUN (TO PANEL 'A', CIRCUIT '15')	3/4" CONDUIT MINIMUM.
(16)	EXISTING TO REMAIN	
(17)	EXISTING ITEM TO REMAIN	
(18)	U.O.N. UNLESS OTHERWISE NOTED	
(19)	GFCI	GROUND FAULT CIRCUIT INTERRUPTER

**MEP Component Anchorage Note:**

All mechanical, plumbing, and electrical components shall be anchored and installed per the details on the DSA approved construction documents. Where no detail is indicated, the following components shall be anchored or braced to meet the force and displacement requirements prescribed in the 2022 CBC Sections. 1617A.1.18 through 1617A.1.26 and ASCE 7-16 Chapter 13.26 and 30.

- All permanent equipment and components.
- Temporary or movable equipment that is permanently attached (e.g. hard, wired) to the building utility services such as electricity, gas or water. "Permanently attached" shall include all electrical connections except plugs for 110/220 volt receptacles having flexible cable.
- Temporary, movable equipment or mobile equipment which is heavier than 400 lbs or has a center of mass located 4 feet or more above the adjacent floor or roof level that directly support the component is required to be restrained in a manner approved by DSA.

The following mechanical and electrical components shall be positively attached to the structure, but need not demonstrate design compliance with the references noted above. These components shall have flexible connections provided between the component and associated ductwork, piping, and conduit. Flexible connections must allow movement in both traverse and longitudinal directions

A. Components weighing less than 400 pounds and have a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component.

B. Components weighing less than 20 pounds or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall.

The anchorage for all mechanical, electrical and plumbing components shall be subject to approval of the design professional in general responsible charge or Structural Engineer delegated responsibility and acceptance by DSA. The project inspector will verify that all components and equipment have been anchored in accordance with the above requirements.

**Piping, Ductwork, and Electrical Distribution System Bracing Note:**

Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-16 Section 13.3 as defined in ASCE 7-16 Sections 13.6.5., 13.6.6., 13.6.7., 13.6.8 and 2022 CBC Sections 1617A.1.24, 1617A.1.25 and 1617A.1.26.

The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a pre-approved installation guide (e.g. OSHPD OPM for 2013 CBC or later), Copies of the bracing system installation guide or manual shall be available on the jobsite prior to the start of and during the hanging and bracing of the distribution systems. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.

- Mechanical piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems(E):
- MP  MD  PP  E  Option 1: Detailed on the approved drawings with project specific notes and details.
- MP  MD  PP  E  Option 2: Shall comply with the applicable OSHPD Pre-Approval (OPM#) #OPM-0052-13

**POLE BASE DETAIL** NOTE: NOT PART OF DSA REVIEW AND APPROVAL

NOTED ITEM, INCLUDING GATES, SHALL NOT IMPEDE EGRESS OR REDUCE REQUIRED EGRESS WIDTH, OR BE LOCATED IN, OR IMPEDE DESIGNATED FIRE LANE(S) OR EMERGENCY ACCESS ROUTES

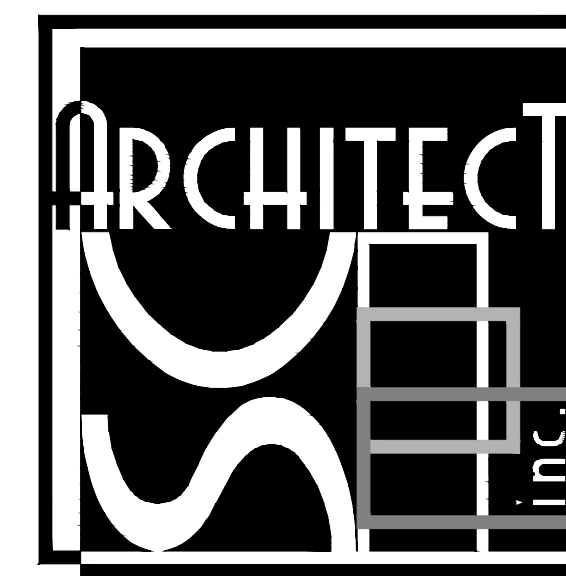
**NOTES:**

- EXISTING ELECTRICAL SERVICE HAS BEEN INVESTIGATED AND FOUND TO HAVE ADEQUATE CAPACITY FOR THE PROPOSED LOAD ADDITION AS SHOWN ON THESE PLANS. OR
- SOURCE OF POWER HAS BEEN INVESTIGATED AND IS ADEQUATE FOR THE ADDITIONAL LOAD.
- SITE INSPECTOR IS TO WITNESS AND VERIFY GROUNDING TESTS.

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APP: 03-123198, INC.  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 10/31/2023

PTN: 63321-406 FILE: 15-6

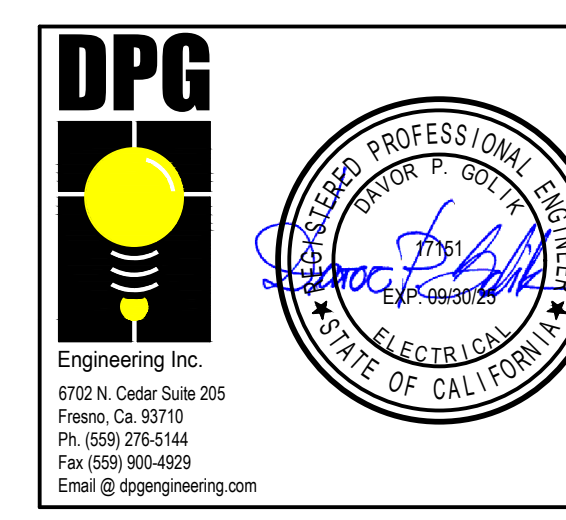
**(10) 24x40 PORTABLE CLASSROOMS**  
ROOSEVELT ELEMENTARY SCHOOL  
FOR  
BAKERSFIELD CITY SCHOOL DISTRICT  
BAKERSFIELD, KERN COUNTY, CALIFORNIA  
2324 VERDE STREET



1601 NEW STINE ROAD, SUITE 280  
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STEPHEN J. CORBIN, N.C.A.R.B., A.I.A., LEED<sup>®</sup> AP  
CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.



**ELECT. SITE PLAN, SYMBOL LEGEND, AND NOTES**

MARK	DATE	REVISIONS
△		
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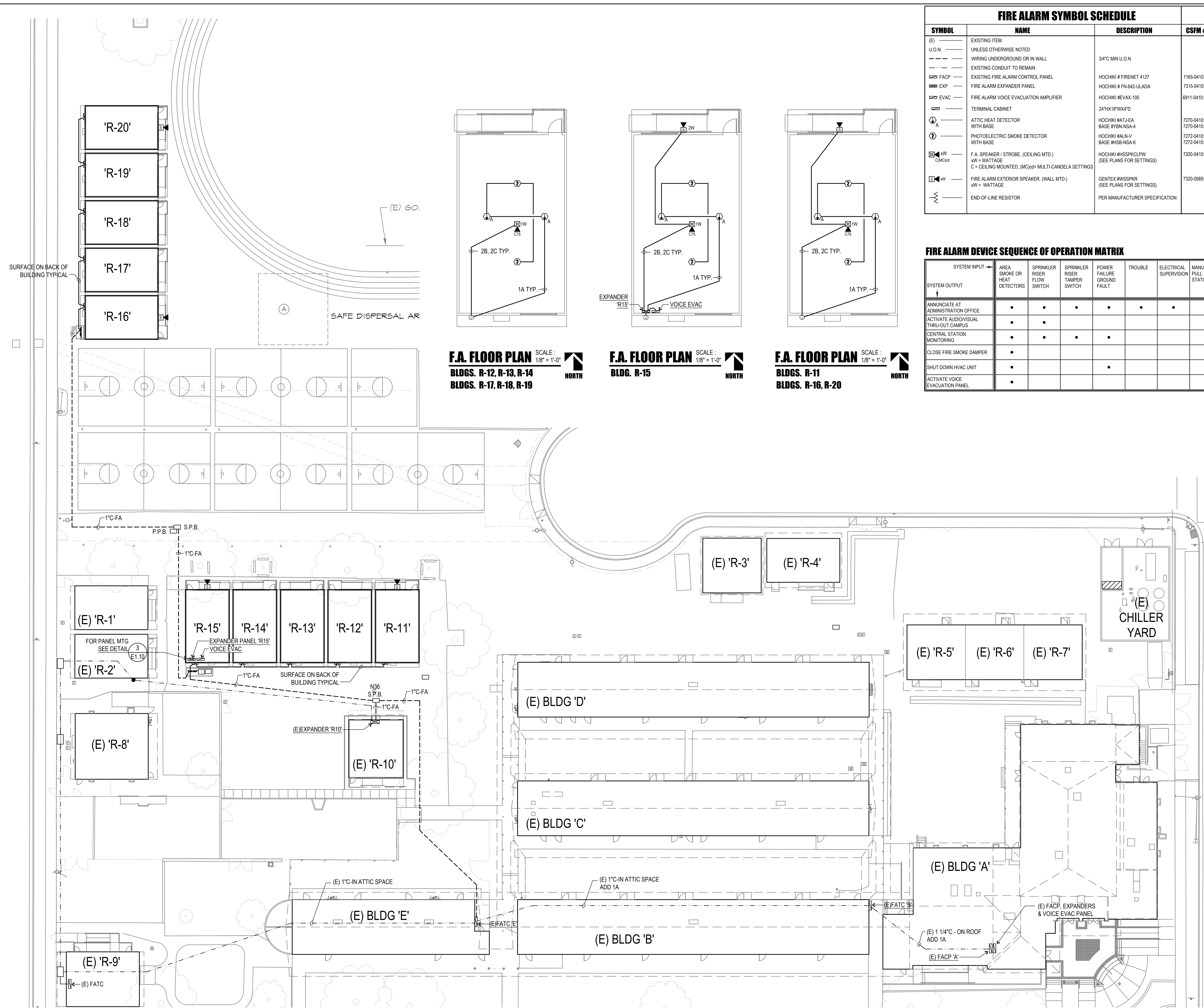
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DRAWN: R.L.M.  
CHECKED: D.P.G.  
DATE: 4/4/23

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OF SHEETS

**ELECTRICAL SITE PLAN**

SCALE: 1" = 20'-0"  
0 10' 20' 30' 40' 60' NORTH





### FIRE ALARM SYMBOL SCHEDULE

SYMBOL	NAME	DESCRIPTION	CSFM #
(E) —	EXISTING ITEM		
U.O.N.	UNLESS OTHERWISE NOTED		
---	WIRING UNDERGROUND OR IN WALL	3/4" MIN U.O.N.	
---	EXISTING CONDUIT TO REMAIN		
FACP	EXISTING FIRE ALARM CONTROL PANEL	HOCHIKI # FIRENET 4127	7165-0410.0159
EXP	FIRE ALARM EXPANDER PANEL	HOCHIKI # FN-642-ULADA	7315-0410.0166
EVAC	FIRE ALARM VOICE EVACUATION AMPLIFIER	HOCHIKI #EVAX-100	6911-0410.0176
—	TERMINAL CABINET	24"X18"X14"D	
A	ATTIC HEAT DETECTOR WITH BASE	HOCHIKI #AT-J-EA BASE #YBN-NSA-4	7270-0410.0203 7270-0410.0203
Ⓜ	PHOTOELECTRIC SMOKE DETECTOR WITH BASE	HOCHIKI #ALN-V BASE #SB-NSA-6	7272-0410.0204 7272-0410.0204
Ⓜ	F.A. SPEAKER / STROBE (CEILING MTD.)	HOCHIKI #HSSPKLPM (SEE PLANS FOR SETTINGS)	7320-0410.0194
Ⓜ	FIRE ALARM EXTERIOR SPEAKER (WALL MTD.)	GENTEX #WVSSPKR (SEE PLANS FOR SETTINGS)	7320-0569.0141
—	END-OF-LINE RESISTOR	PER MANUFACTURER SPECIFICATION	

### FIRE ALARM DEVICE SEQUENCE OF OPERATION MATRIX

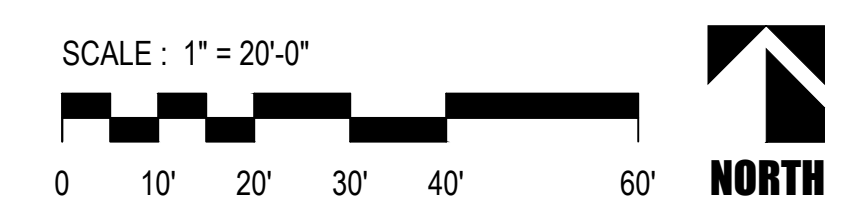
SYSTEM OUTPUT	SYSTEM INPUT	AREA SMOKE OR HEAT DETECTORS	SPRINKLER RISER FLOW SWITCH	SPRINKLER RISER TAMPER SWITCH	POWER FAILURE GROUND FAULT	TROUBLE	ELECTRICAL SUPERVISION	MANUAL PULL STATION
ANNUNCIATE AT ADMINISTRATION OFFICE		•	•	•	•	•	•	•
ACTIVATE AUDIOVISUAL THRU-OUT CAMPUS		•	•	•	•	•	•	•
CENTRAL STATION MONITORING		•	•	•	•	•	•	•
CLOSE FIRE SMOKE DAMPER		•						
SHUT DOWN HVAC UNIT		•			•			
ACTIVATE VOICE EVACUATION PANEL		•						

**F.A. FLOOR PLAN** SCALE: 1/8" = 1'-0"  
 BLDGS. R-12, R-13, R-14  
 BLDGS. R-17, R-18, R-19

**F.A. FLOOR PLAN** SCALE: 1/8" = 1'-0"  
 BLDG. R-15

**F.A. FLOOR PLAN** SCALE: 1/8" = 1'-0"  
 BLDGS. R-11  
 BLDGS. R-16, R-20

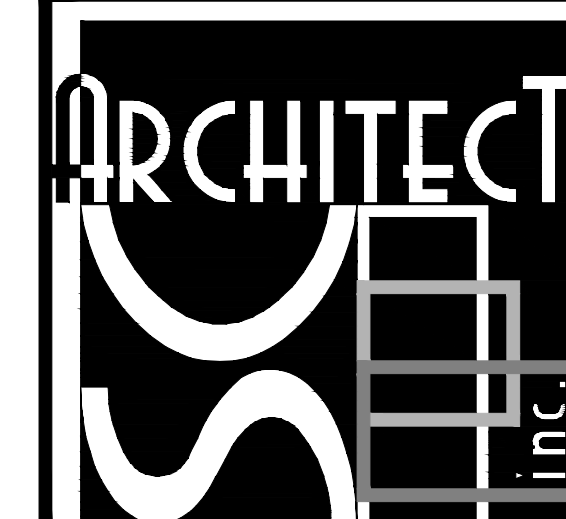
**FIRE ALARM SITE PLAN**



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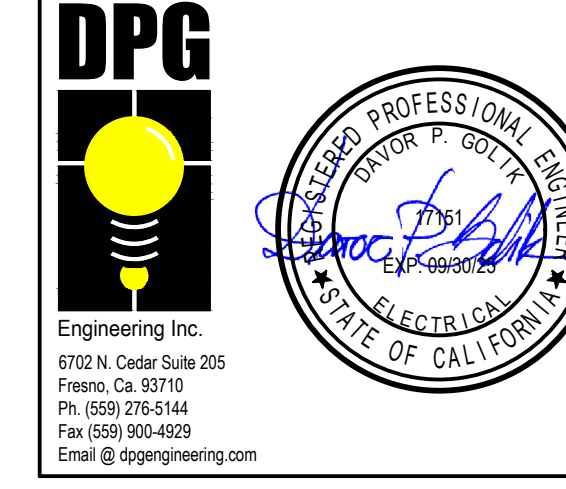
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**FIRE ALARM SITE PLAN, SYMBOL LEGEND, FLOOR PLANS & SCHEDULES**

MARK	DATE	REVISIONS

JOB NO. 1317.1  
 DRAWN: R.L.M.  
 CHECKED: D.P.G.  
 DATE: 4/4/23

**2.00**  
OF SHEETS

**FIRE DETECTION SYSTEM NOTES:**

- ALL WIRING IS SHOWN DIAGRAMMATICALLY. CONTRACTOR MAY VARY SEQUENCE OR CIRCUITRY; HOWEVER, ALL CIRCUITS SHALL BE CONTINUOUS AND SUPERVISED FROM DEVICE TO DEVICE OR FATC TO DEVICE OR FACP TO FATC OR FATC TO FATC. NO PARALLEL BRANCHING SHALL BE ALLOWED. ANY CONNECTION OF ANY BREAK IN ANY CONDUCTOR SHALL BE BY TERMINAL CONNECTION AT A DEVICE OR AT A FATC ONLY.
- ALL CONNECTIONS SHALL BE PROPERLY LABELED BY CONDUCTOR AND SHALL HAVE STAKE ON LUG CONNECTORS. PANDUIT TAG (TIE WRAP) SEPARATE.
- FIRE ALARM TERMINAL CABINETS SHALL HAVE SUFFICIENT SPACE. TERMINAL BOARDS AND SCREW TERMINAL CONNECTORS TO ALLOW CONNECTION OF ALL CONDUCTORS SHOWN. CONTRACTOR SHALL BE REQUIRED TO SUBMIT WITH HIS OTHER SHOP DRAWINGS, DETAILED DRAWINGS OF HIS PROPOSED CONNECTIONS AT EACH FIRE ALARM TERMINAL CABINET PRIOR TO COMMENCING ANY WORK.
- FIRE ALARM PANEL, REMOTES AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS WITHOUT SPECIAL MOUNTING DETAILS. FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS AT +48" ABOVE FINISHED FLOOR.
- ALL FIRE ALARM WIRING SHALL BE FFLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE #12 & #14 AWG, STRANDED (19 STRANDS OR LESS) COPPER THHN OR THWN OR #16/2 SLC LOOP UNLESS OTHERWISE NOTED. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
- ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7. UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.
- INSTALLATION OF F.A. EQUIPMENT SHALL BE BY AN AUTHORIZED ENGINEERED SYSTEM DISTRIBUTOR FOR THE EQUIPMENT SPECIFIED BY THE MANUFACTURER FOR SALES, SERVICE, INSTALLATION AND MAINTENANCE. PROVIDE CERTIFICATIONS WITH EQUIPMENT SUBMITTALS. SUBMITTALS BY FIRMS NOT FULFILLING THIS REQUIREMENT WILL BE AUTOMATICALLY REJECTED. INSTALLER SHALL BE NICET LEVEL 3 CERTIFIED. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT / ENGINEER OF THE PROJECT.
- A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION
- WRITTEN CERTIFICATION USING NFPA 72 INSPECTION AND TESTING FORM BY THE FIRE ALARM EQUIPMENT DISTRIBUTOR (OR VENDOR OR MANUFACTURER) SHALL BE SUBMITTED TO DSA (WITH COPIES TO THE ELECTRICAL ENGINEER AND THE ARCHITECT OF RECORD) AND THE INSTALLATION INCLUDES TESTING AND OPERATION THAT CONFORMS IN ALL RESPECTS TO THE REQUIREMENTS AS SET FORTH IN C.B.C. SECTION 907.8. THE CONTRACTOR SHALL COMPLETE A FIRE ALARM SYSTEM RECORD AND COMPLETION FORM AND SUBMIT TO DSA.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY AND INSPECTOR OF RECORD. DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND OR TESTING.
- THE CERTIFIED INSTALLER WILL BE REQUIRED TO PROVIDE ALL FACTORY WARRANTIES AT THE CLOSE UP OF THE PROJECT.
- SMOKE DETECTORS SHALL BE MOUNTED MINIMUM 36" FROM SUPPLY AND RETURN AIR VENTS PER MANUFACTURER'S RECOMMENDATIONS AND NFPA72, 17.7.4.1.(2022 EDITION WITH SFM AMENDMENTS).
- THE CONTRACTOR SHALL ARRANGE A MEETING WITH F.A. INSTALLER PRIOR TO ROUGH-IN TO COORDINATE THE INSTALLATION.
- AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY CBC 907.6.5. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUXF OR UUIS 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.
- ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 DBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 5DBA ABOVE MAXIMUM SOUND LEVEL HAVING A DURATION OF 60 SECONDS WHICH EVER IS GREATER. MEASURED 5' ABOVE THE FLOOR. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS PER CFC 907.5.2.1.1. THE FIRE ALARM EVACUATION SIGNAL SHALL SOUND A SYNCHRONIZED THREE PULSE TEMPORAL PATTERN AS DESCRIBED IN NFPA 72 (CBC 907.5.2.1.3 AND NFPA 18.4.2.1).
- THE CARBON MONOXIDE SIGNAL SHALL SOUND A FOUR PULSE TEMPORAL PATTERN PER NFPA 720 5.8.6.5.1
- MICROPHONE ACCESSIBILITY SHALL COMPLY WITH CBC 11B-305 AND 11B-308
- THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND ( 2 HZ ) NOR BE LESS THAN ONE FLASH EVERY SECOND ( 1 HZ ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHALL APPROVED AND LISTED. VISUAL NOTIFICATION APPLIANCES SHALL BE SYNCHRONIZED.
- THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED, AND MAINTAINED IN ACCORDANCE WITH STATE FIRE MARSHAL'S REGULATIONS AS ADOPTED AND AMENDED IN THE 2022 EDITION, CBC CHAPTER 35 (CBC SEC. 907.7, 907.8) & NFPA 72, 2022 EDITION.
- PROVIDE ACCESS HOLE FOR ALL ATTIC HEAT DETECTORS LOCATED IN NON-ACCESSIBLE CRAWL OR ATTIC SPACES.
- ALL BATTERIES SHALL BE STAMPED WITH DATE PUT INTO SERVICE.
- MANUAL PULL STATIONS SHALL NOT REQUIRE TIGHT GRIPPING, OR TWISTING OF THE WRIST TO OPERATE.
- SYSTEM DESIGN SHALL BE IN ACCORDANCE WITH 2022 CBC, 2022 CFC, 2022 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE AND NFPA 720, STANDARD FOR THE INSTALLATION OF CARBON MONOXIDE DETECTION AND WARNING EQUIPMENT (2015)
- THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
- A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL" CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS.
- ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANNER AS INDICATED ON DESIGN DOCUMENTS. EXPOSED EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
- PROVIDE FIRE WATCH TO COMPLY WITH DSA IRF-2 IF DURING CONSTRUCTION THE FIRE ALARM SYSTEM IS NOT OPERATIONAL AND STUDENTS ARE PRESENT IN CAMPUS.

**FIRE ALARM ACCEPTANCE TEST**

- TESTING OF ALL DEVICES AND APPLIANCES, INCLUDING THE BATTERY-(IES), SHALL BE PERFORMED. ALL MANUFACTURER OPERATING RANGES SHALL BE MET.
- INSPECTION TESTING AND MAINTENANCE OF SYSTEMS, THEIR INITIATING DEVICES AND NOTIFICATION APPLIANCES SHALL COMPLY WITH CHAPTER 14 OF NFPA 72 AND DOCUMENTATION WITH NFPA 72, CHAPTER 7.
- TESTING OF THE SUPERVISING STATION SIGNALS, AS WELL AS RELAY TO THE APPROPRIATE RESPONDING AGENCY, SHALL BE INCLUDED IN THE ACCEPTANCE TESTING. THE PROJECT INSPECTOR SHALL WITNESS THE ACCEPTANCE INSPECTION AND SHALL SIGN AS THE AHJ REPRESENTATIVE ON THE "SYSTEM RECORD OF COMPLETION" AT SECTION 12.3 [ NFPA 72, FIGURE 7.8.2(a)], AND THE "SYSTEM RECORD OF INSPECTION AND TESTING" AT SECTION 10.1 [NFPA 72, FIGURE 7.8.2 (g)].
- ALL SUPPLEMENTARY RECORDS SHALL BE ATTACHED AS APPLICABLE. THE PROJECT INSPECTOR SHALL VERIFY THAT THE FIRE ALARM SYSTEM IS IN SERVICE PRIOR TO COMPLETION OF THE "SYSTEM RECORD OF COMPLETION" FORM.
- ALL ORIGINAL DOCUMENTATION SHALL BE RETAINED IN THE REQUIRED DOCUMENTATION CABINET. ( NFPA 72, 7.7.2).

**FIRE ALARM RECORD DOCUMENTS CABINET NFPA 72, 7.7.2**

- EVERY NEW FIRE ALARM SYSTEM SHALL PROVIDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR APPROVED LOCATION.
- THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED, "SYSTEM RECORD DOCUMENTS".
- ALL RECORD AND TESTING DOCUMENTATION SHALL BE STORED IN THE CABINET.
- CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.
- WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNITS, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.

**SYSTEM DOCUMENTS AS APPLICABLE:**

- RECORD DRAWINGS / AS-BUILTS.
- EQUIPMENT CUT SHEETS & CA SFM LISTINGS.
- ALTERNATIVE MEANS AND METHODS.
- PERFORMANCE BASED DESIGN DOCUMENTATION ( NFPA 72, 7.3.7 ).
- SYSTEM RECORD OF COMPLETION & ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION ( NFPA 72, 7.8.2 ).
- EMERGENCY RESPONSE PLAN ( NFPA 72, 7.3.8 ).
- EVALUATION DOCUMENTATION ( NFPA 72, 7.3.9 ).
- RISK ANALYSIS DOCUMENTATION ( NFPA 72, 7.3.6 ).
- SOFTWARE & FIRMWARE CONTROL DOCUMENTATION ( NFPA 72, 23.2.2 ).

**BATTERY CALCULATION**

**Voic Evac. Amplifier Cabinet 'EVAX-100'**

POWER REQUIREMENTS	CURRENT [A]	
	STANDBY	ALARM
PANEL OVERHEAD	0.180	2.500
SPEAKER LOAD	-	1.168
TOTALS	0.180	3.668

BATTERY CAPACITY		
SUPERVISORY POWER	= 24 Hr * 0.18A	= 4.320 Ahr
SPEAKER LOAD	= 0.25 Hr * 3.668A	= 0.917 Ahr
TOTAL POWER REQUIREMENT	=	5.237 Ahr
WITH 20% SAFETY FACTOR	=	6.284 Ahr
MINIMUM BATTERY CAPACITY	=	7 Ahr

NOTIFIER (2) BAT-1270-BP BATTERIES

**FACP BATTERY CALCULATION**

**(E) Fire Alarm Control Panel "FACP"**

POWER REQUIREMENTS	No	CURRENT [A]	
		SUPERVISORY	ALARM
PANEL OVERHEAD		0.350	0.620
SMOKE DET	20	0.009	-
HEAT DET	20	0.007	-
(N) EXPANDERS	1	0.130	-
(E) EXPANDERS	3	0.360	-
(E) DETECTORS	-	0.138	-
TOTALS		1.024	0.620

BATTERY CAPACITY		
SUPERVISORY POWER	= 24 Hr * 1.024A	= 24.576 Ahr
ALARM POWER	= 0.25 Hr * 0.62A	= 0.155 Ahr
TOTAL POWER REQUIREMENT	=	24.731 Ahr
WITH 20% SAFETY FACTOR	=	29.677 Ahr
MINIMUM BATTERY CAPACITY	=	55 Ahr

USE NOTIFIER BATTERIES (2) BAT-1250-BP

- NOTE:
- PRIOR TO START OF CONSTRUCTION, PERFORM BATTERY TEST AND PROVIDE REPORT TO EOR. INCLUDE IN REPORT EXISTING SUPERVISORY AND ALARM CURRENT
  - PROVIDE BATTERY BOX AS REQUIRED

**NAC EXTENDER BATTERY CALCULATION**

**Extender Panel "EXP-R15"**

POWER REQUIREMENTS	CURRENT [A]	
	SUPERVISORY	ALARM
PANEL OVERHEAD	0.350	0.620
NAC CIRCUITS	-	1.760
TOTALS	0.350	2.380

BATTERY CAPACITY		
SUPERVISORY POWER	= 24 Hr * 0.35A	= 8.400 Ahr
ALARM POWER	= 0.25 Hr * 2.38A	= 0.595 Ahr
TOTAL POWER REQUIREMENT	=	8.995 Ahr
WITH 20% SAFETY FACTOR	=	10.794 Ahr
MINIMUM BATTERY CAPACITY	=	12 Ahr

USE NOTIFIER BATTERIES (2) BAT-12120-BP

NOTE: PROVIDE BATTERY BOX AS REQUIRED

**VOLTAGE DROP CALCULATION**

**NAC Circuit '15-1'**

VD = Voltage Drop [V]  
 I = Current [A] (0.88A)  
 K = 11 (Copper Constant)  
 L = Distance to Load [ft] (261)  
 CM = Circular Mils (#12 AWG = 6530)  
 V = Voltage [V] (24VDC)

$$VD = K * I * L = 11 * 0.88 * 2 * 261 = 0.774 V$$

CM = 6530

$$VD\% = \frac{VD}{20.4} = 3.8\%$$

**VOLTAGE DROP CALCULATION**

**NAC Circuit '15-2'**

VD = Voltage Drop [V]  
 I = Current [A] (0.88A)  
 K = 11 (Copper Constant)  
 L = Distance to Load [ft] (500)  
 CM = Circular Mils (#12 AWG = 6530)  
 V = Voltage [V] (24VDC)

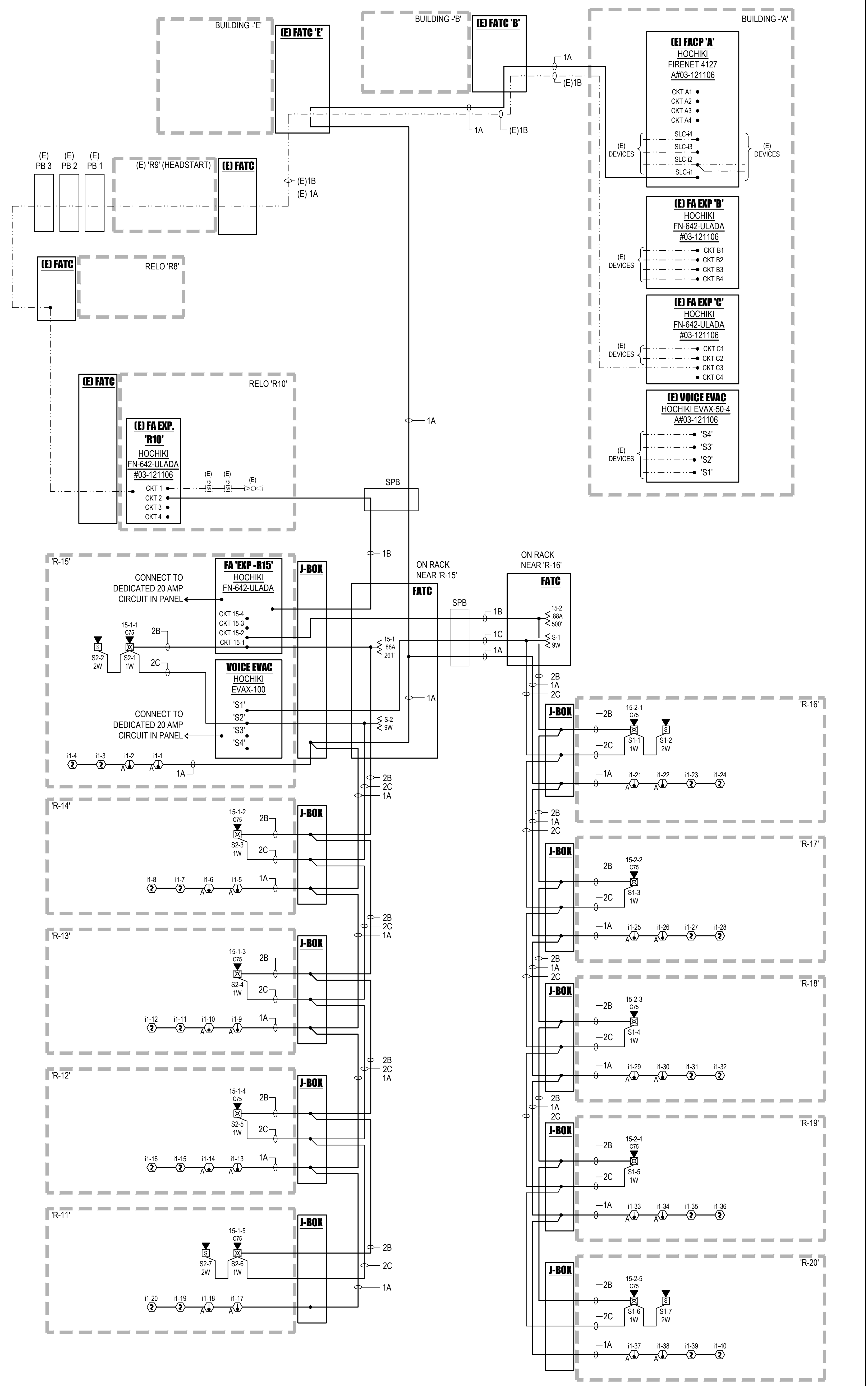
$$VD = K * I * L = 11 * 0.88 * 1 * 500 = 1.482 V$$

CM = 6530

$$VD\% = \frac{VD}{20.4} = 7.3\%$$

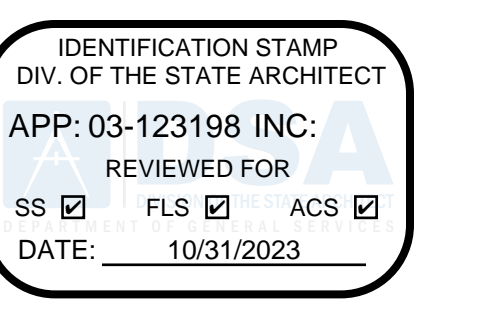
FA CABLE SCHEDULE			
'A'	ADDRESSABLE FA COMMUNICATION CABLE	WEST PENN #990 (INDOOR)	WEST PENN #AQ225 (OUTDOOR)
'B'	2#12 CU.	WEST PENN #998 (INDOOR)	WEST PENN #AQ227 (OUTDOOR)
'C'	SPEAKER CABLE 14/2	WEST PENN #972 (INDOOR)	WEST PENN #AQ295 (OUTDOOR)

NOTE: ALL FIRE ALARM CABLE INSTALLED IN 3/4" EMT RED MIN.



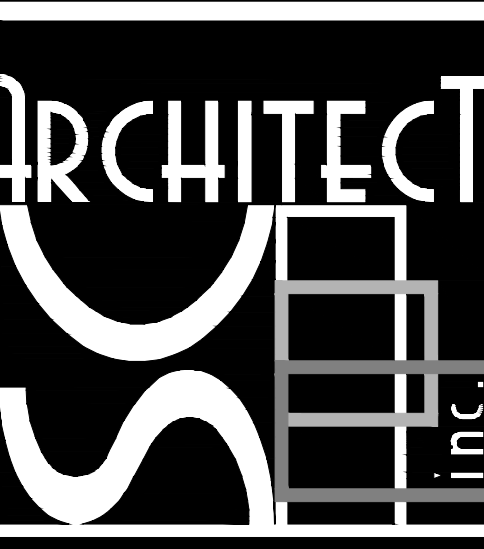
**FIRE ALARM SINGLE LINE DIAGRAM**

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



PTN: 63321-406 FILE: 15-6

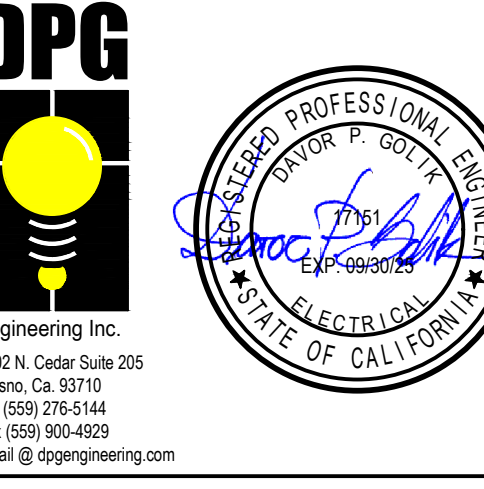
**(10) 24x40 PORTABLE CLASSROOMS**  
 ROOSEVELT ELEMENTARY SCHOOL  
 2324 VERDE STREET  
 FOR  
 BAKERSFIELD CITY SCHOOL DISTRICT  
 BAKERSFIELD, KERN COUNTY, CALIFORNIA



1601 NEW STINE ROAD, SUITE 280  
 BAKERSFIELD, CA 93309  
 PH: (661) 397-4377  
 FAX: (661) 397-4378  
 WWW.SCARCHITECT.COM



STEPHEN J. CORBIN, NCA, AIA, LEED AP  
 CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.



**FIRE ALARM SINGLE LINE DIAGRAM, NOTES AND SCHEDULES**

MARK	DATE	REVISIONS
△		
△		
△		

JOB NO. 1317.1  
 DRAWN BY: R.L.M.  
 CHECKED BY: D.P.G.  
 DATE: 4/4/23

**2.10**  
 OF SHEETS

**W.S.M.M.  
 RELOCATION PACKAGE  
 FROM STOCKPILE TO  
 SITE SPECIFIC FOR  
 BAKERSFIELD CITY S.D.  
 ROOSEVELT E.S.  
 (X2) LEFT HAND DOOR  
 SNs 19101-02  
 19501-02**



# 200-24 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	CONCRETE	GUNITED	GROUT/MORTAR	TEST OF AGGREGATES FOR MIX DESIGN ONLY
<input type="checkbox"/> Field material acceptance tests				<input type="checkbox"/> Bulk tests of aggregates as detailed below
<input type="checkbox"/> Compaction control conditions				<input type="checkbox"/> High density
<input type="checkbox"/> Compaction tests only as ordered				<input type="checkbox"/> Continuous batch plant inspection
<input type="checkbox"/> Bearing capacity of compacted fill				<input type="checkbox"/> In-situ tests
REINFORCING STEEL				
<input checked="" type="checkbox"/> Sample and test for steel	<input checked="" type="checkbox"/>			<input type="checkbox"/> Sample
<input type="checkbox"/> Sample and test rebar				<input type="checkbox"/> Compressive tests
<input type="checkbox"/> Inspect placing of job				<input type="checkbox"/> Rock up samples at job
STRUCTURAL STEEL				
<input checked="" type="checkbox"/> Sample and test as detailed below				<input type="checkbox"/> Samples delivered to laboratory
<input type="checkbox"/> Shop fabrication inspection				<input type="checkbox"/> Rebar sample forms to jobsite
<input type="checkbox"/> Field erection inspection				<input type="checkbox"/> Sample one test correct
<input checked="" type="checkbox"/> Inspection of welds - Shop				
<input type="checkbox"/> Inspection of welds - Field				
<input type="checkbox"/> Inspection of riveting or bolting - Shop				
<input type="checkbox"/> Inspection of riveting or bolting - Field				
<input type="checkbox"/> Sample and test high strength bolts and washers				
BRICK AND BLOCK				
<input type="checkbox"/> Sample and test				
<input type="checkbox"/> Test core				
<input type="checkbox"/> Inspection of placing				
<input type="checkbox"/> Core drill samples				
GLUED LAMINATED STRUCTURAL LUMBER				
<input type="checkbox"/> Fabrication inspection				
<input type="checkbox"/> Sample and test steel accessories				
<input type="checkbox"/> Inspect fabrication of steel accessories				
List of structural steel members to be tested:				
3 1/2" x 3 1/2" x 1/4" SQ. COL.		TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2231.A.1		
10 ga. & 12 ga. ROOF DEE		3 1/2" x 10 ga. ALT. ROOF JOIST		
6 7/8" x 14 GA. FL. JOISTS		2"x16" go. STRAPS		
6 7/8" x 12 ga. ALT. FL. JOIST		2"x18" go. ALT. STRAPS		
6 7/8" x 12 ga. ALT. ROOF JOIST				
Other Tests and Inspections, together with special instructions:				
GROUNDING TEST EXPANSION ANCHORS EPOXY ANCHORS		Copies of Report to: DSA/ORS AMERICAN MODULAR SYSTEMS, INC. SCHOOL DISTRICT ARCHITECT		
By: _____		AUTHORIZED REPRESENTATIVE		

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
S1D	CONCRETE FOUNDATION PLANS 50 PSF FLOOR LIVE LOAD & 100 PSF LIVE LOAD
S1F	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

## BUILDING DATA CLASSROOMS

SERIAL NO.s 04-904-120 THRU 04-904-319

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  
 SYSTEM  
 FOUNDATION  
 SEISMIC

MOMENT-RESISTANT  
 (2) 12' X 40' MODULES  
 WOOD OR CONCRETE  
 ZONE 4  
 SEISMIC SOURCE A  
 DISTANCE FROM SEISMIC SOURCE ≤ 2 KM  
 SOIL TYPE S<sub>1</sub>



CBC 2001

FILE NO. 39-0  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
02-106166  
 AC. FLS SS 2023  
 DATE 4/13/04 (CS/MS/FB/MS)

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



BASED ON PC 02-104915



### 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.  
6. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.  
7. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY UPON COMMENS WORK.  
8. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.  
9. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.  
10. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.  
11. 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.  
12. THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT 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 AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS, RVD, BY FIRE AND LIFE SAFETY REGULATORY AGENCIES 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, RR 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/TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.  
D. WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.  
E. ACCESSIBILITY OF SITE THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES SHRUBS, FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

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

**SECTION 5. STEEL**

GENERAL - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS, TITLE 2.2 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS.  
CISC SECT. 22134.4.1 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 INSPECTOR PER TITLE 24 PART 2, SECTION 2231A.5 WELDING ELECTRODE SHALL BE E70XX.  
1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 & A-570 OR 58 UNLESS OTHERWISE NOTED.  
2. PIPE COLLINGS 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 CHAIR TUBING-TYP. U.N.O.  
4. STRUCTURAL WELDS ARE DESIGNED FOR FULL 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 CARRIAGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PULIT 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. REMOVE ALL EXPOSED STEEL SURFACES AFTER FIELD WELDING.  
G. TESTS  
1. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MATERIALS PER 17-24 PART 2, OR CALIFORNIA CODE REGS. 2231A.1.

**SECTION 6A CARPENTRY**

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

2. MATERIALS  
LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 17" OF WEST COAST LUMBER INSPECTION BUREAU OR "GRADING RULES FOR LUMBER" 3RD EDITION OF WESTERN PLYWOOD ASSOCIATION OR W.C.L.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  
A. PITTSBURGH TESTING, OR TECO.  
B. JOISTS, PLATES, STUDS-DOUGLAS FIR OR HEM FIR 54S #2 U.N.O. NOTE: HEM 1850 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.  
C. HEADERS, POSTS AND TIMBERS-DOUGLAS FIR 54S #1  
D. BLOCKING - DOUG FIR #3 OR HEM FIR #30. & BET.  
SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH, DOUG FIR #2 PRESSURE TREATED IN ACCORDANCE WITH CBC 1917  
E. BEAR AMPER STAMP, LP-22 GROUND CONTACT, F.2 ABOVE GROUND. PLYWOOD ROOF DECKING - SEE S3  
F. PLYWOOD FLOOR DECKING - APA STURD-FLOOR 2-4-1 OR 1/4" UNIFLOOR BY PITSBURGH TESTING LAB. 1-1/4" NOM. TONGUE AND GROOVE FLOOR SHEATHING, WITH EXTERIOR GLUE. C.B.C. 2319A.3.4 CONFORMANCE MARK FOR EXT. SIDING & FIN. ONLY.  
OR HARDIPANEL, FIBER CEMENT SIDING 45 MFC, BY JAMES HARDE BUILDING PRODUCTS NER-405 REPORT

**SECTION 7B SHEET METAL**

SCOPE OF WORK  
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.

2. MATERIALS  
A. SHEET METAL - INSULATED  
1. ZINC COATED 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 - 1/6" OF STAND, GRADE "A" OF EQUAL PARTS ROSS LEAD AND TIN ASTM B32.  
C. FLUX - ZINC SATURATED FLUORINIC ACID.  
D. GUTTERS: 26 GA. G-90 GALV. STEEL.  
DOWNSPOUTS: 2" X 3" CONVULUTED 30 GA. G-90 GALV. STEEL.  
GUTTER ENDOCAPS: 26 GA. G-90 GALV. STEEL.  
GUTTER CLIPS: 19 GA. G-90 GALV. STEEL.

3. WORKMANSHIP  
SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOR COAT OF ASPHALTIC PAINT.

**SECTION 7C METAL ROOFING**

SCOPE OF WORK  
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 80 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.

2. MATERIALS  
A. ROOFING - 3" INCH STANDING SEAM 22-GAUGE G-90 GALV. INTERLOCKING SHEET STL. PANES (90%).  
B. ROOFING: CLASS F FIRE RATING

**SECTION 7J SEALANT**

SCOPE OF WORK  
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO SEAL BUILDINGS.

2. MATERIALS  
VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOGEL" SULFONIZED CAULK, OR EQUIV. OR EQUAL.

3. WORKMANSHIP  
SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DRAWINGS OR EQUAL.

**SECTION 8B HOLLOW METAL DOORS AND FRAMES**

SCOPE OF WORK  
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.

2. MATERIALS  
A. DOORS - INSULATED TYPE L FULL FLUSH, MANUFACTURED BY AEMLD MANUFACTURING COMPANY, 19 GA. 1 3/4" THICK PER CS242 MINIREINFORCE FOR HARDWARE - BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.  
B. FRAMES - 16 GA. COLD ROLLED 2" FACES, CS242 MIN.3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX/PROVIDE SOUND DEADENING; 1/8" UNDERCOAT OR INSULATING FILL.  
3. WORKMANSHIP  
ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HARLINE JOINTS AND SURFACES FREE FROM WARP, WAIVE, BUCKLE OR OTHER DEFECTS AFTER FABRICATION. DOORS AND FRAMES CLEANED THOROUGHLY, ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

**SECTION 9E PAINTING**

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

2. MATERIALS  
FOR EXTERIOR WOOD:  
A. REFER BRAND DUNN KELLY SHERWIN SINCLAIR EDWARDS MOORE WILLIAMS 1240 2W2WD 289-N FINISH 40-90-XX 1240-XXX B54WZ102 C62-NXX  
B. FOR INTERIOR TRIM REFER BRAND DUNN KELLY SHERWIN SINCLAIR EDWARDS MOORE WILLIAMS 1650-XXX A26W11 40XX  
C. FOR METAL REFER BRAND DUNN KELLY SHERWIN SINCLAIR EDWARDS MOORE WILLIAMS 1710 B50N26 15N FINISH 10-XX 1700-XXX B54WZ102 C62-NXX

3. WORKMANSHIP  
ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.  
A. 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.  
B. INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.  
C. INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MILE SPRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.  
D. METAL ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYL FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.  
E. RAMP - ONE COAT OF FERROX NON-SLIP SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE (0.7 MIN. C.O.F.) ALL PARTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PARTS 8010-916-98A DATED JULY 1989, OR EQUAL.  
F. SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

**SECTION CONCRETE CONCRETE (IF USED)**

1. CONCRETE MORTAR AND RELATED MATERIALS TO SEAL BUILDINGS.  
2. REINFORCING BARS-ASTM A615 OR ASTM A706 DEFORMED. WELDED TO STEEL.  
3. EXPANSION JOINT FILLER: ASTM D994  
4. FORM MATERIALS: SIBO FORMS, DOUGLAS FIR OR ALKYL FINISH COAT OVER ZINC CHROMATE OR EQUAL 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, CCR)  
SECTION 11038.2.1 ACCESSIBILITY  
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 STAR AND EACH STAR AND EACH ESCALATOR.  
SECTION 11105.1 SUGGESTED DIMENSIONS FOR ELEVATOR'S USE  
THE 2001 CBC REQUIRES A 27" MINIMUM DIMENSION FOR LAVATORY/SINK KNEE CLEARANCE, WORK IS THE DISTANCE FROM THE FINISH FLOOR TO THE UNDERSIDE OF THE LAVATORY/SINK. THE 1998 CBC INCORRECTLY SPECIFIED A 29" MINIMUM DIMENSION FOR LAVATORY/SINK KNEE CLEARANCE.  
SECTION 11198.2.4.1 WATER CONTROLS  
THE 2001 CBC REQUIRES THAT THE FORCE TO OPERATE WATER CONTROL (VALVE) FOR AN ACCESSIBLE SHOWER SHALL NOT EXCEED SUBS. MINIMUM FORCE (VALVE) THE 1998 CBC SPECIFIED A MINIMUM WIDTH BASED ON COMPRESSED TOILET PAPER DIMENSIONS TO THE WALL, SIDEWALLS, AND GENERALLY RESULTED IN A MINIMUM SHALL WIDTH OF 27".  
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**SECTION 13F SITE ASSEMBLY**

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

**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 CONTRACT 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).

**SECTION 15A AIR CONDITIONING**

SCOPE OF WORK (SEE SHEET M-1 FOR HVAC SPEC. AND NOTES)  
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.

2. EQUIPMENT  
SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.

3. WORKMANSHIP  
UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

**SECTION 16A ELECTRICAL**

SCOPE OF WORK  
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED CONDUCTORS - COPPER/INSULATED FOR 600 VOLTS, TYPE THHN FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.

2. ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRICAL CODE AND NATIONAL FIRE PROTECTION ASSOCIATION  
A. PANELBOARDS - COPPER/INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE - #14.  
B. RECEPTACLES - AS NOTED, +18" A.F.F. MIN.  
C. CLOUT RECEPTABLE - AS NOTED.  
D. SWITCHES - AS NOTED, +48" A.F.F. MAX.  
E. LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.  
3. WORKMANSHIP  
MATERIALS AND EQUIPMENT INSTALLED IN A SECURE, NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARDS SHALL BE COVERED WITH DOOR AND COVERED AND INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATER TIGHT CONDITION.  
ELECTRICAL CONDUIT SHALL BE OF RIGID POLYESTER OR TYPE TERMINATION BY SITE CONTRACTOR (N.I.C.), (FLEXIBLE CONDUIT S-BEND SEALTITE)

**INSPECTION**  
INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.  
1. IN-PLANT INSPECTION.  
2. ON-SITE INSPECTION.  
THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN PLANT INSPECTION APPROVED BY D.S.A.  
IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE. SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.  
FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.  
EACH 12' X 40' MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.  
FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.  
DIMENSIONS  
THE BUILDINGS SHALL OCCUPY AN AREA OF 960 SQUARE FEET WITH A TOLERANCE OF MINUS 5 SQUARE FEET. THE BUILDINGS SHALL BE 24' X 40'. ALL BUILDINGS SHALL MEET THE SQUARE FOOTAGE REQUIREMENT. LINEAR DIMENSIONS SHALL BE VERTICAL TRIM FINISH LINE TO VERTICAL TRIM FINISH LINE.  
FASCIA AND REQUIRED OVERHANGS ARE NOT INCLUDED IN THE CALCULATION OF THE SQUARE FOOTAGE OF THE BUILDING OCCUPIES. THE ENTRANCE WALL SHALL HAVE A 5' MINIMUM ROOF OVERHANG. THE REAR WALL SHALL HAVE A MINIMUM 2' OVERHANG. FULL LENGTH GUTTERS AND DOWNSPOUTS SHALL BE FURNISHED ON THE SIDES OF EACH OVERHANG AND EACH ROOF EDGE WHERE DRAINAGE OCCURS. THE INTERIOR HEIGHT/LOOR TO CEILING SHALL BE 8'-8" U.O.N. THE MODULE SHALL BE CLEAR SPAN TYPE EXCEPT AS PROVIDED FOR IN THE BID SPECIFICATIONS NOTHING SHALL PROTRUDE MORE THAN 1" BELOW THE CEILING LEVEL.  
ITEMS NOTED AS N.I.C. (NOT IN CONTRACT) OR "BY OTHERS" IS THE RESPONSIBILITY OF THE SCHOOL DISTRICT DETERMINING ON THE AGREEMENT WITH THE DISTRICT. IN THE EVENT OF CONFLICT BETWEEN THESE SPECIFICATIONS AND THE DISTRICT BID SPECIFICATIONS, THE DISTRICT SPECIFICATIONS SHALL PREVAIL.

**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 16B ELECTRICAL**

SCOPE OF WORK  
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED CONDUCTORS - COPPER/INSULATED FOR 600 VOLTS, TYPE THHN FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.

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E. LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.  
3. WORKMANSHIP  
MATERIALS AND EQUIPMENT INSTALLED IN A SECURE, NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARDS SHALL BE COVERED WITH DOOR AND COVERED AND INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATER TIGHT CONDITION.  
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**WALL FINISH MATERIAL**  
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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

CUSTOMER:

GENERAL NOTES AND SPECIFICATIONS

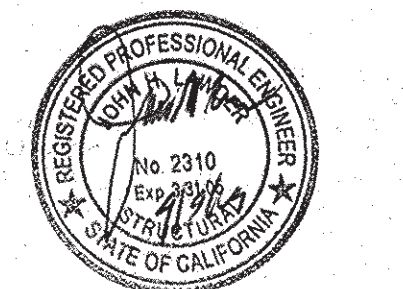
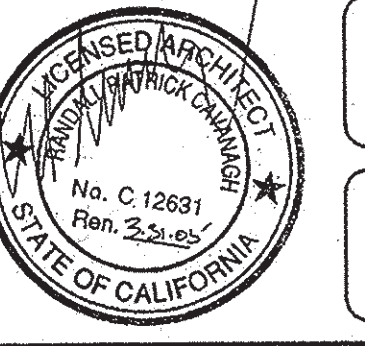
DATE: 04-28-08  
SCALE: NONE  
DRAWN BY: M.H.  
CHECKED BY:  
SERIAL NO.

**REVISIONS**

NO	DATE	DESCRIPTION

PROJECT NO.  
SHEET NO. N-1

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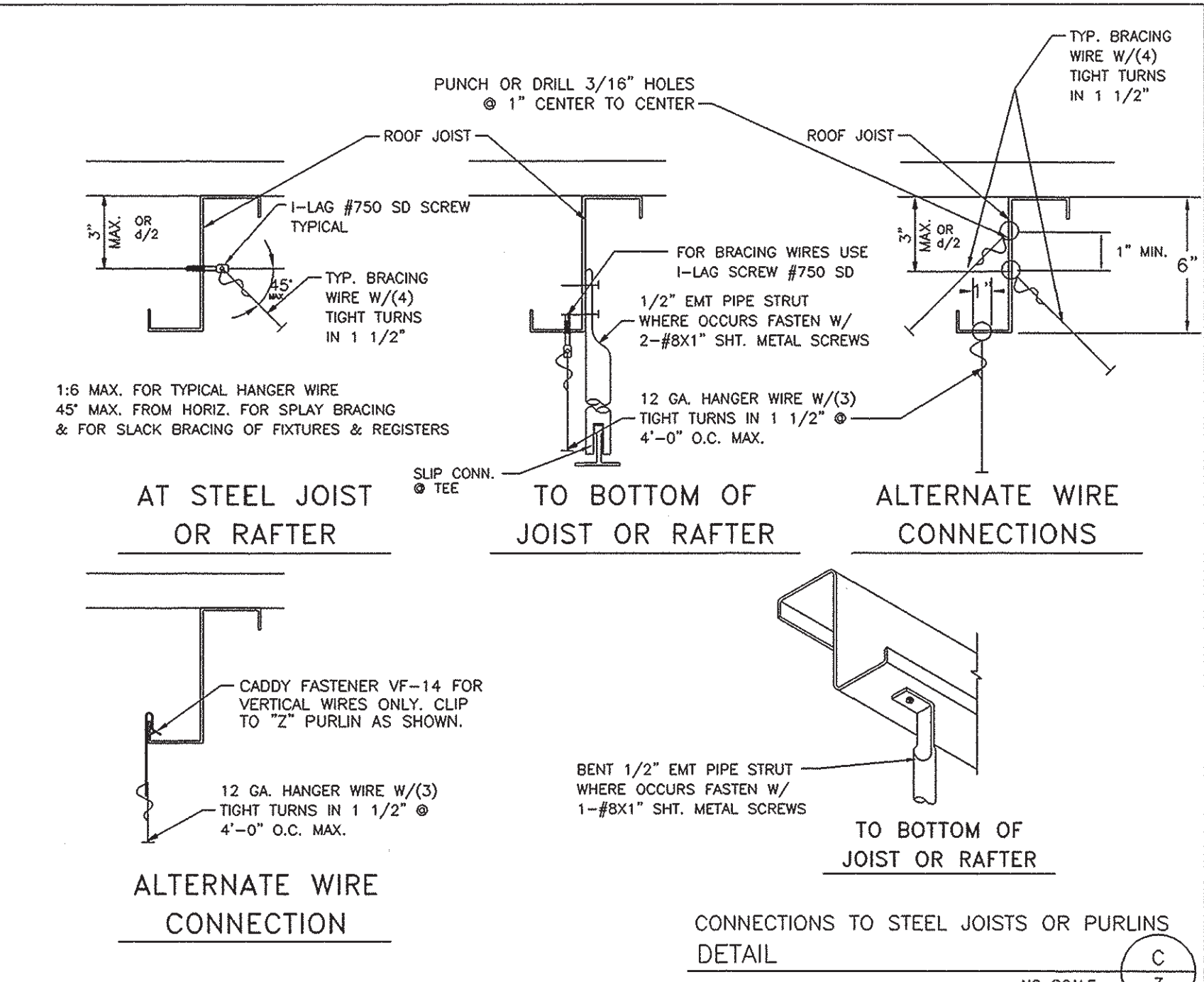
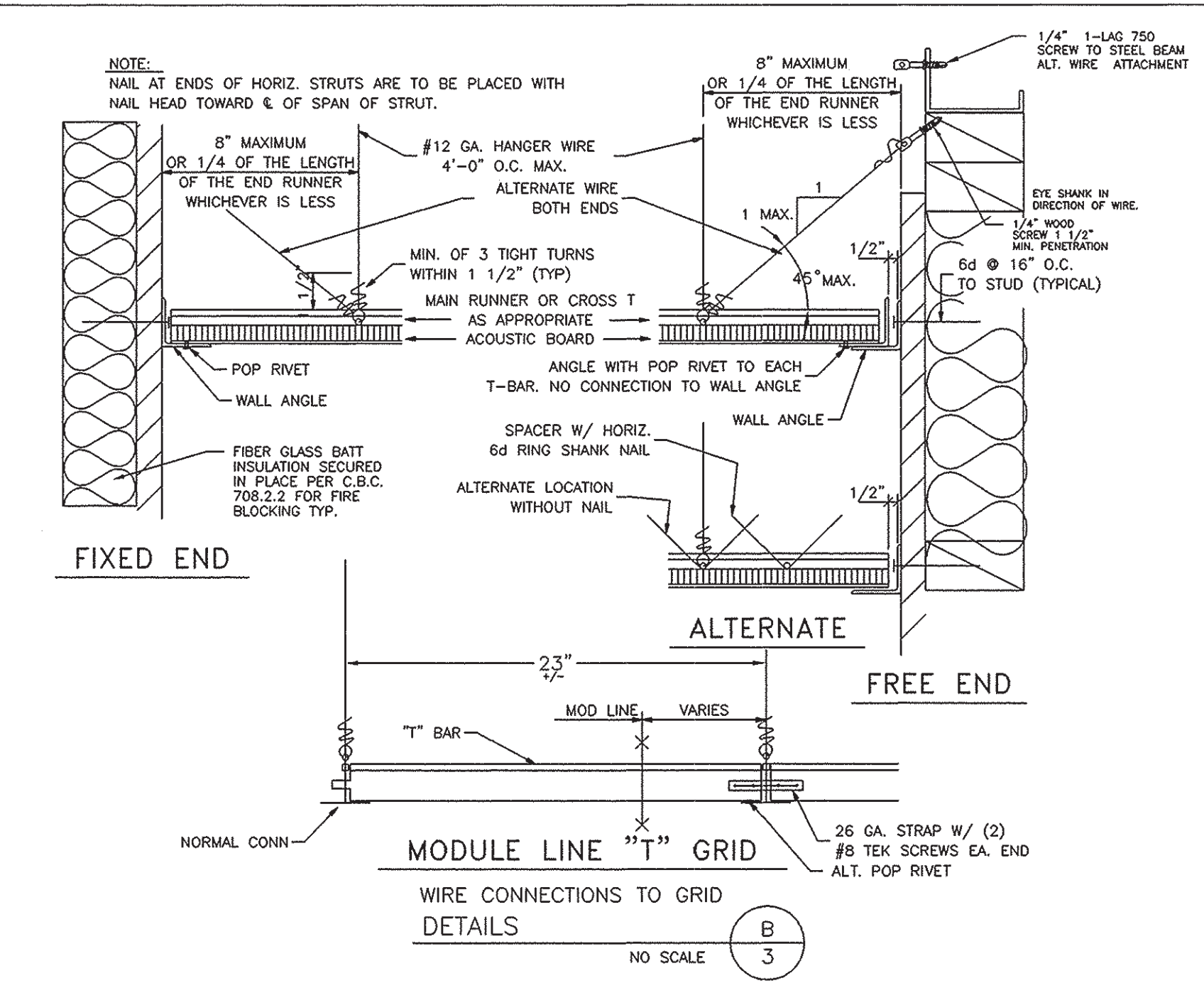
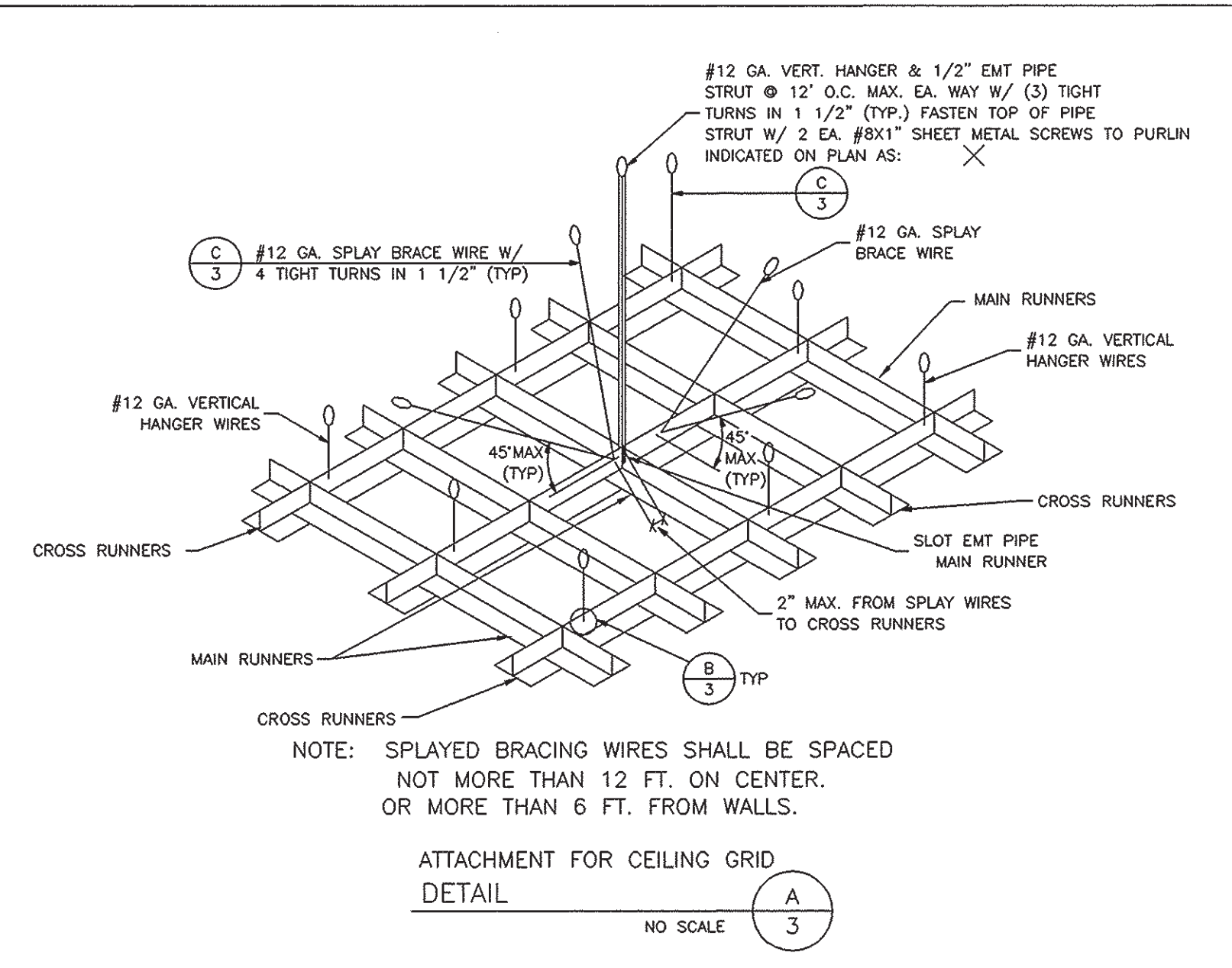
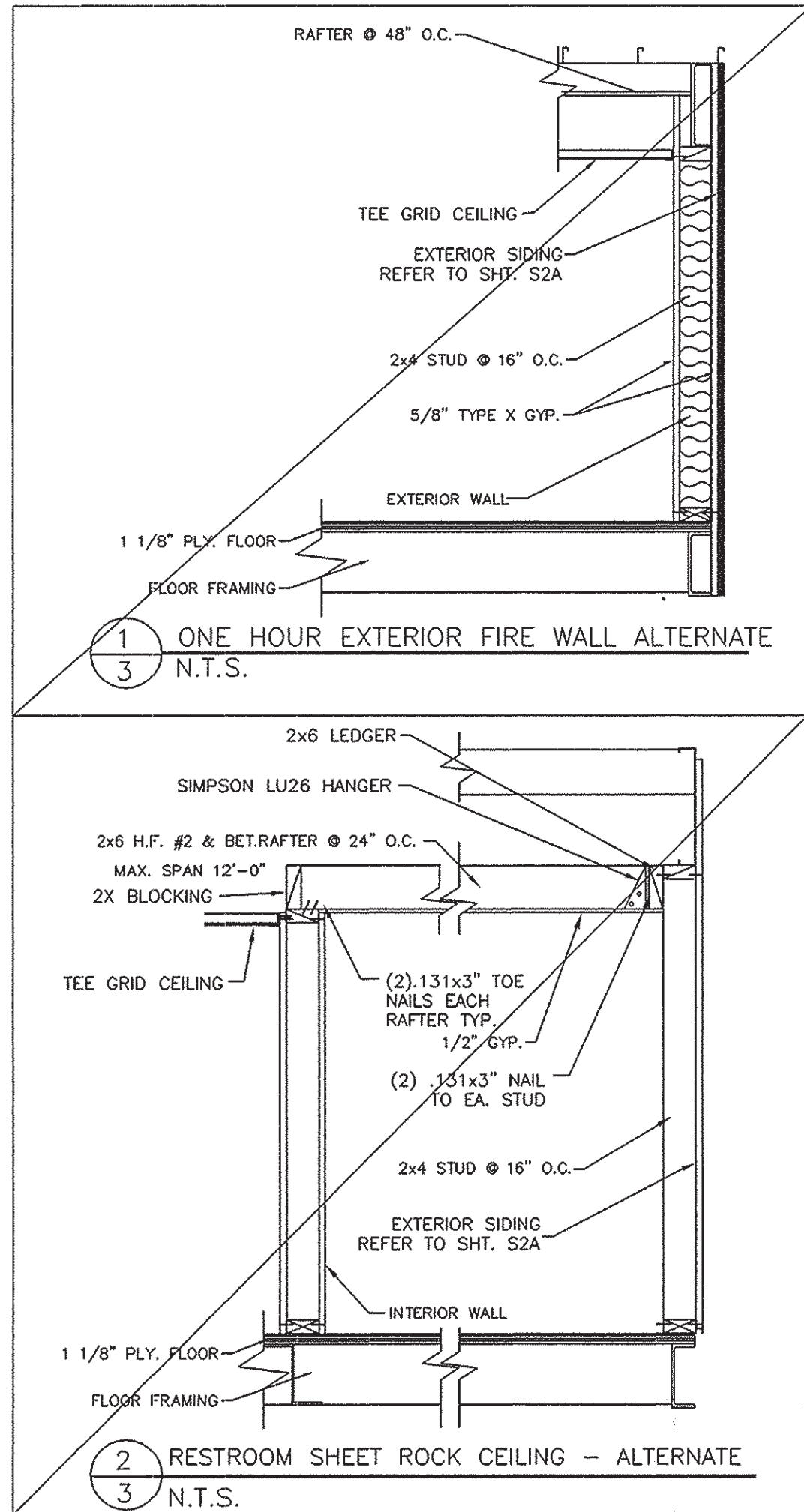


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DATE 4/13/04

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OFFICE OF REGULATION SERVICES  
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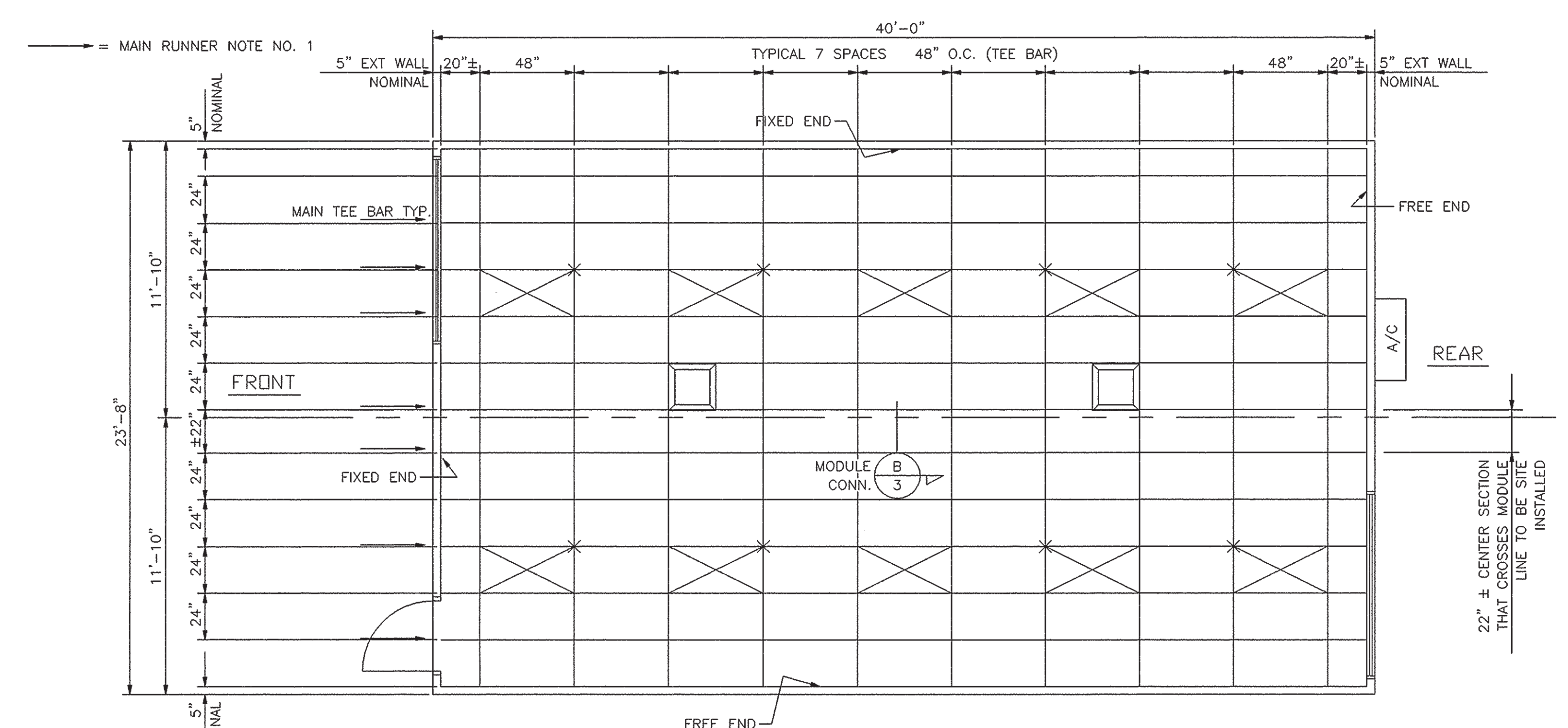




- METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING**
- 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0" GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA.
  - PROVIDE 12 GA HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.
  - PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREA. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED WIRES.
  - 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.
  - 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.
  - 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
  - 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.
  - 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.
  - 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.
  - ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
  - 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.
  - 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
DONN/USG	DX-26	DX-424	DX-216
ARMSTRONG	7301	7341	7323
CHICAGO MET.	200-01	1204-01	1226-01

NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES  
 SCALE: 1/4"=1'-0"

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

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

CEILING GRID, DETAILS AND NOTES

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

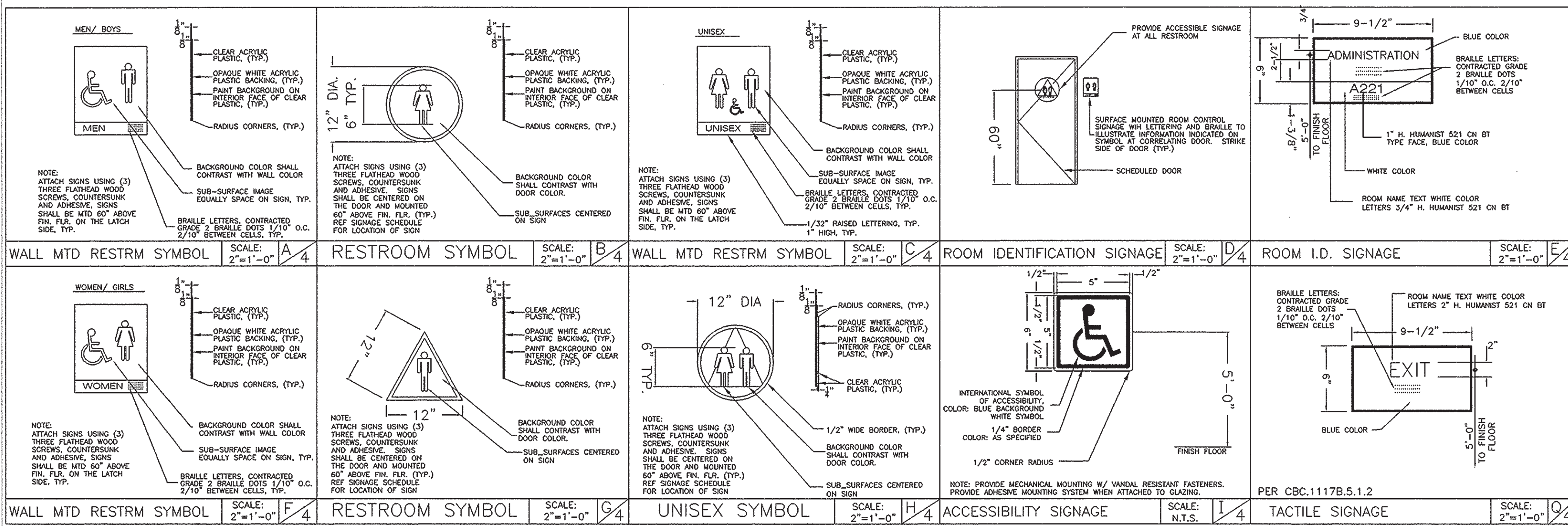
PROJECT No.  
 SHEET No.  
 3

FILE NO.  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 02-06166  
 AC: FLS ACS SS  
 DATE: 4/13/04

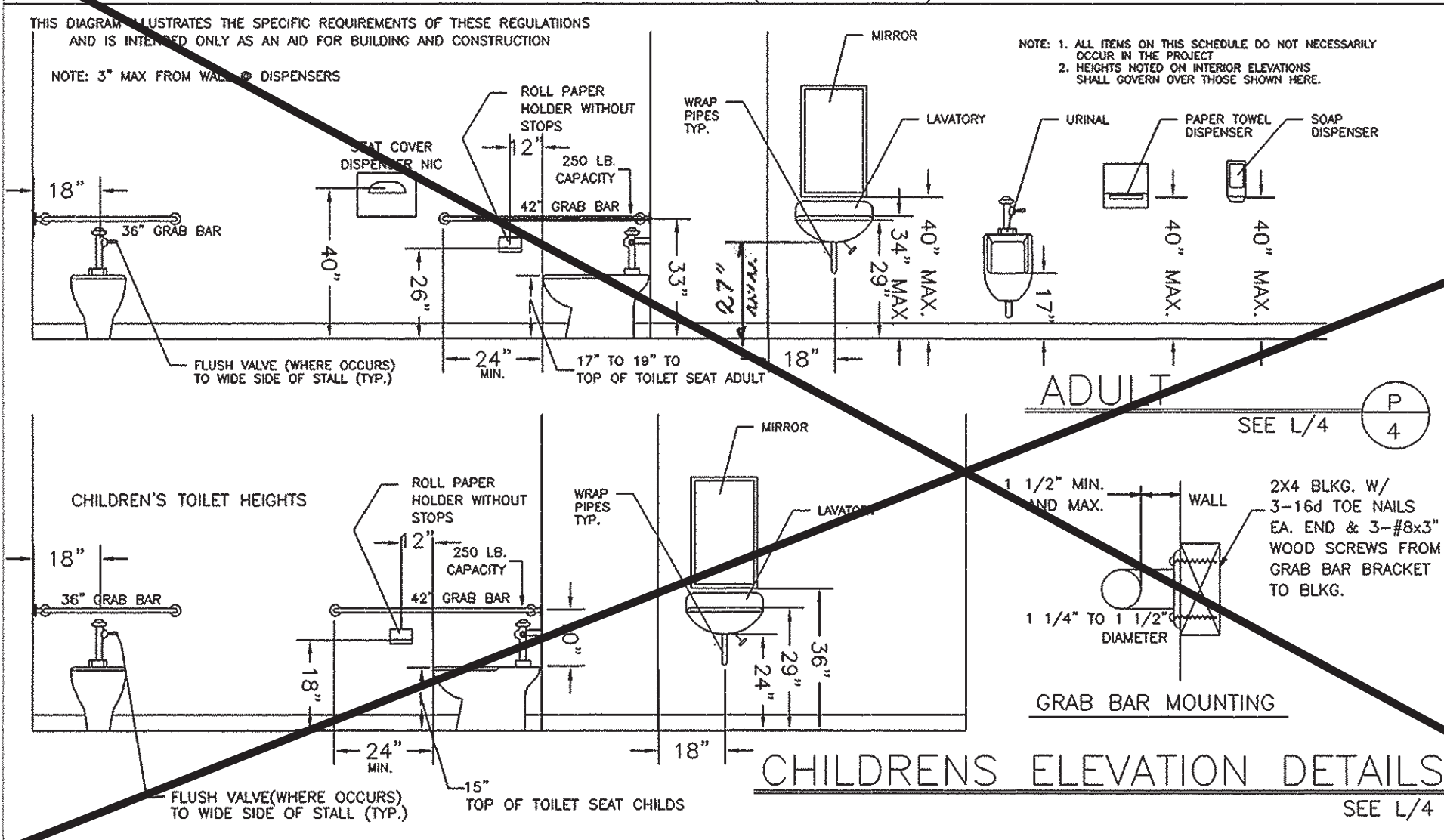
BASED ON PC 02-104915

ACCESSIBILITY SIGNAGE (AS REQUIRED-BY-DISTRICT)

NOTE:  
 PER CBC 1115.B.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)



DIMENSIONS FOR ACCESSIBILITY IN TOILET FACILITIES

FIXTURE TYPE	ADULT (AGE 12 AND OVER) DIMENSION	ELEMENTARY DIMENSION	WINDYARDEN & PRE-SCHOOL DIMENSION
TOILET CENTERLINE FROM WALL	15"	15"	12"
TOILET SEAT HEIGHT (TO TOP OF SEAT)	17"-19"	15"	10"-12"
GRAB BAR HEIGHT	33"	33"	10" ABOVE SEAT *
TOILET PAPER FRONT OF TOILET	12" MAX.	12" MAX.	6" MAX. **
WASTE DISPOSAL IN FRONT OF TOILET	12" MAX.	N/A	N/A
DISPENSER OR MIRROR HEIGHT	48" MAX.	36" MAX.	32" MAX.
LAVATORY/SINK TOP HEIGHT	34" MIN.	29" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.	22" MIN.
URINAL LIP HEIGHT	17" MAX.	15" MAX.	10" MAX.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	35" MAX.	30" MAX.
DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.	31" MAX.	24" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	24" MIN.	22" MIN.
RAMP/STAIR WALKWAY HEIGHT	34"-38"	27"	22"

ROOM FINISHES SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS	CEILING	REMARKS
1	CLASSROOM	A	D	F	J	8'-6"
2	TOILET RM. (OPTIONAL)	B	E	G	I	8'-6"

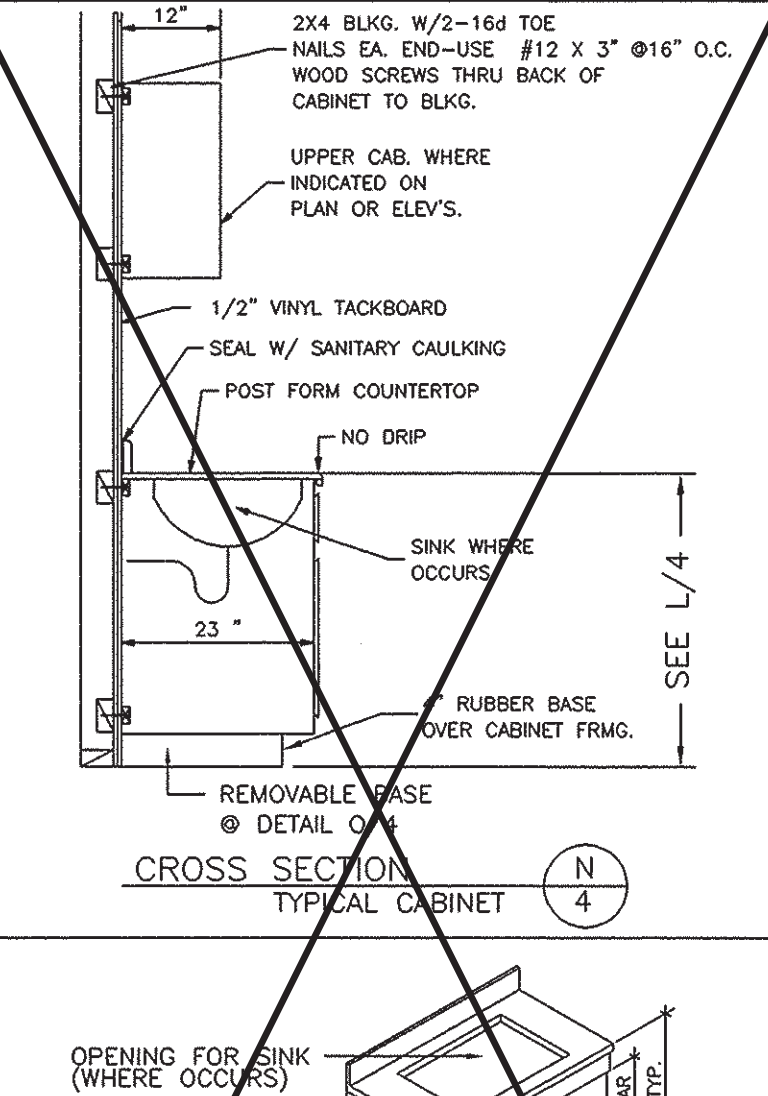
DOOR SCHEDULE SEE SHT. 1 FOR LOCATION

DOOR NO.	FRAME OPENING SIZE	MATERIAL	TYPE	FIRE RATING	HARDWARE SET	QUANTITY	REMARKS
1	3'-0" x 7'-0"	H.M.	N/A	A	1	1	
2	3'-0" x 7'-0"	S.C.	N/A	C	1	1	

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

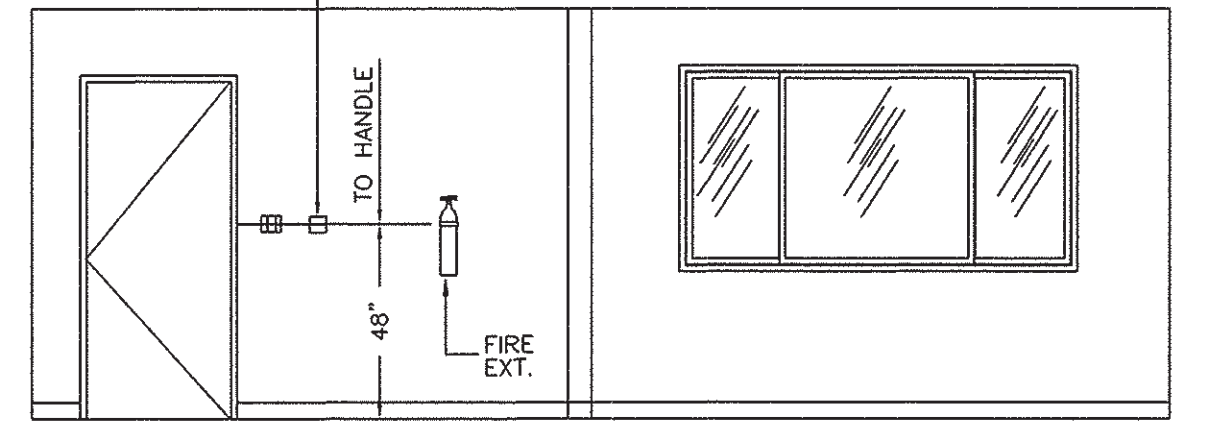
A - CARPET PER STATE OF CALIF SPEC COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN. VERIFY PROVISION  
 B - VINYL SHEET FLOORING  
 C - VCT, ARMSTRONG STANDARD OR EXCELON  
 D - TOP SET BASE, 4" BURKE VERIFY PROVISION  
 E - TOP SET BASE, 6" BRINGING IN ON SANDWAL  
 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



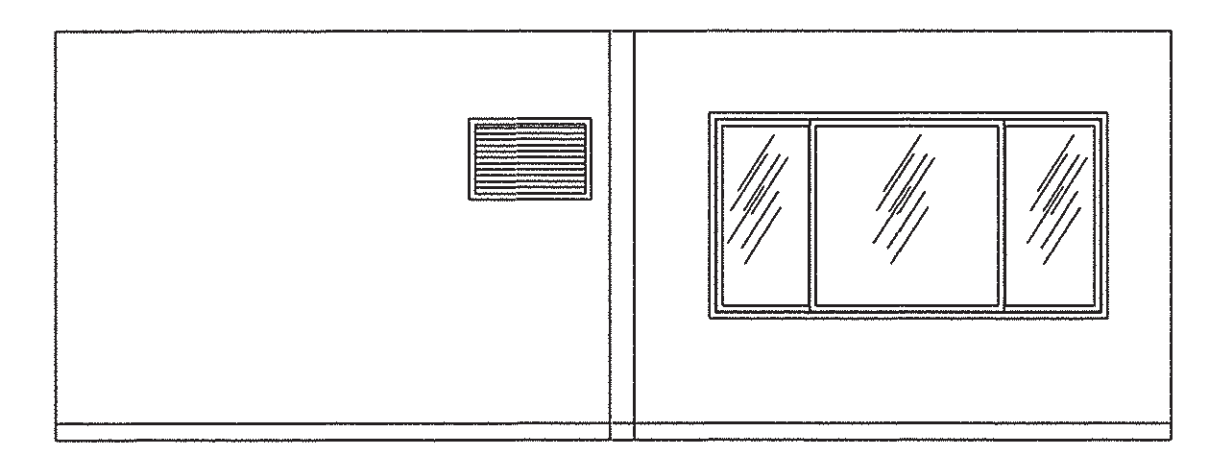
DOOR HARDWARE SCHEDULE

DOOR NO.	TYPE	REMARKS
(A)	EXTERIOR DOOR LOCKSET W/ LEVER HANDLES	SCHEDULE 0759D

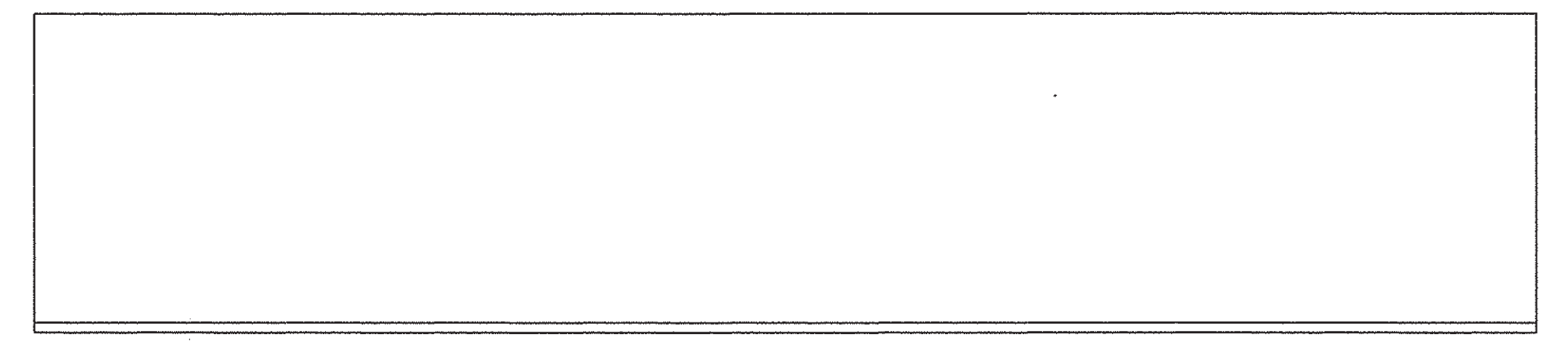
PULL STATION BOX ONLY



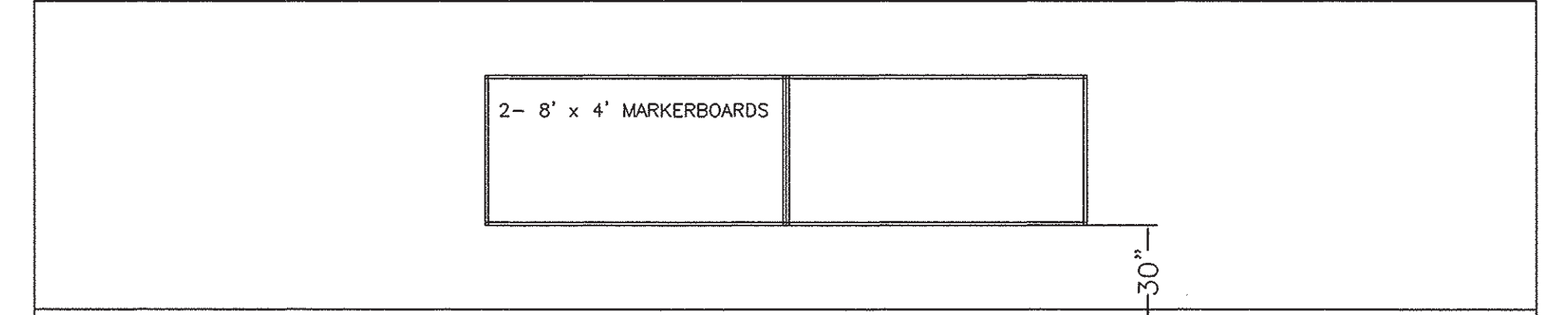
1 INTERIOR ELEVATIONS  
 4 1/4" = 1'-0"



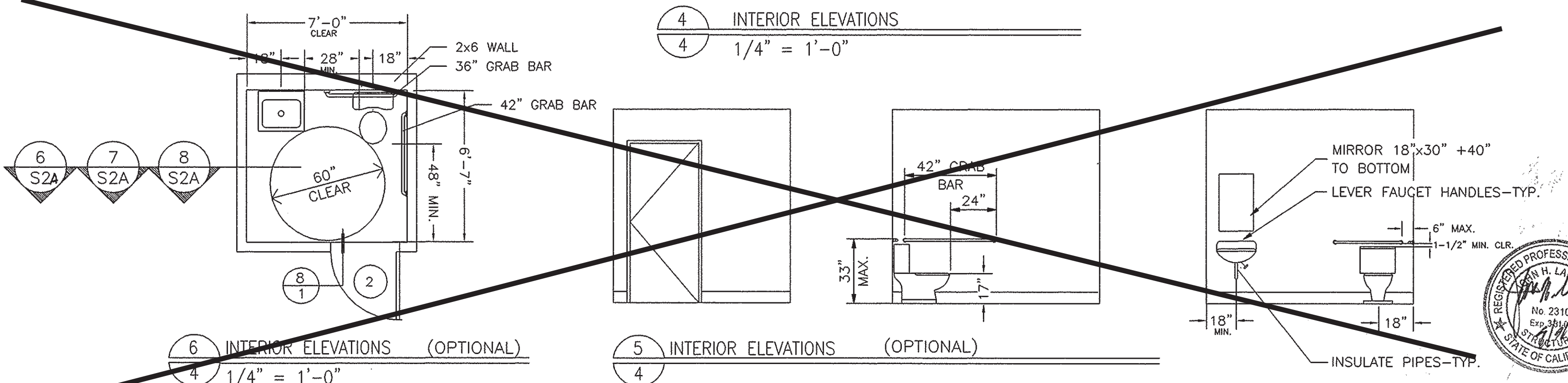
2 INTERIOR ELEVATIONS  
 4 1/4" = 1'-0"



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"

24 X 40  
 RELOCATABLE  
 CLASSROOMS



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

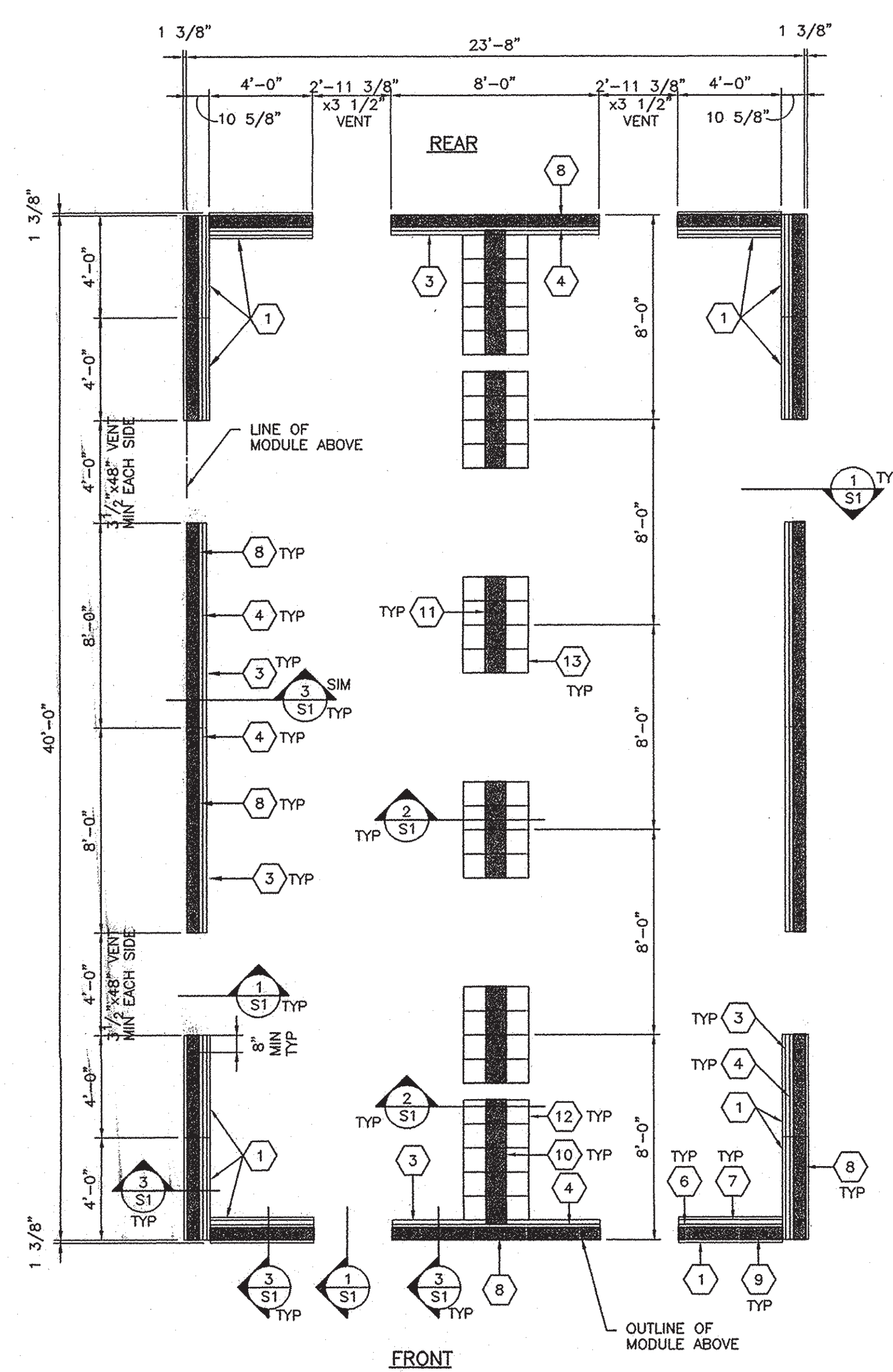
DATE: 04-01-04  
 SCALE: NONE  
 DRAWN BY: Y.A.  
 CHECKED BY:  
 SERIAL NO.

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
▲			▲		
▲			▲		
▲			▲		

PROJECT No.  
 SHEET No.  
 4

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 02-106165  
 AC: FLS, SS  
 DATE: 4/13/04

BASED ON PC 02-104915



FRONT 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 2x8x8'-0" LONG, UNO ON PLAN, AS REQ'D FOR HEIGHT
  - 9 MULTIPLE 2x8x4'-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" 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=(450 SF) VENT AREA PROVIDED=6.4 SF

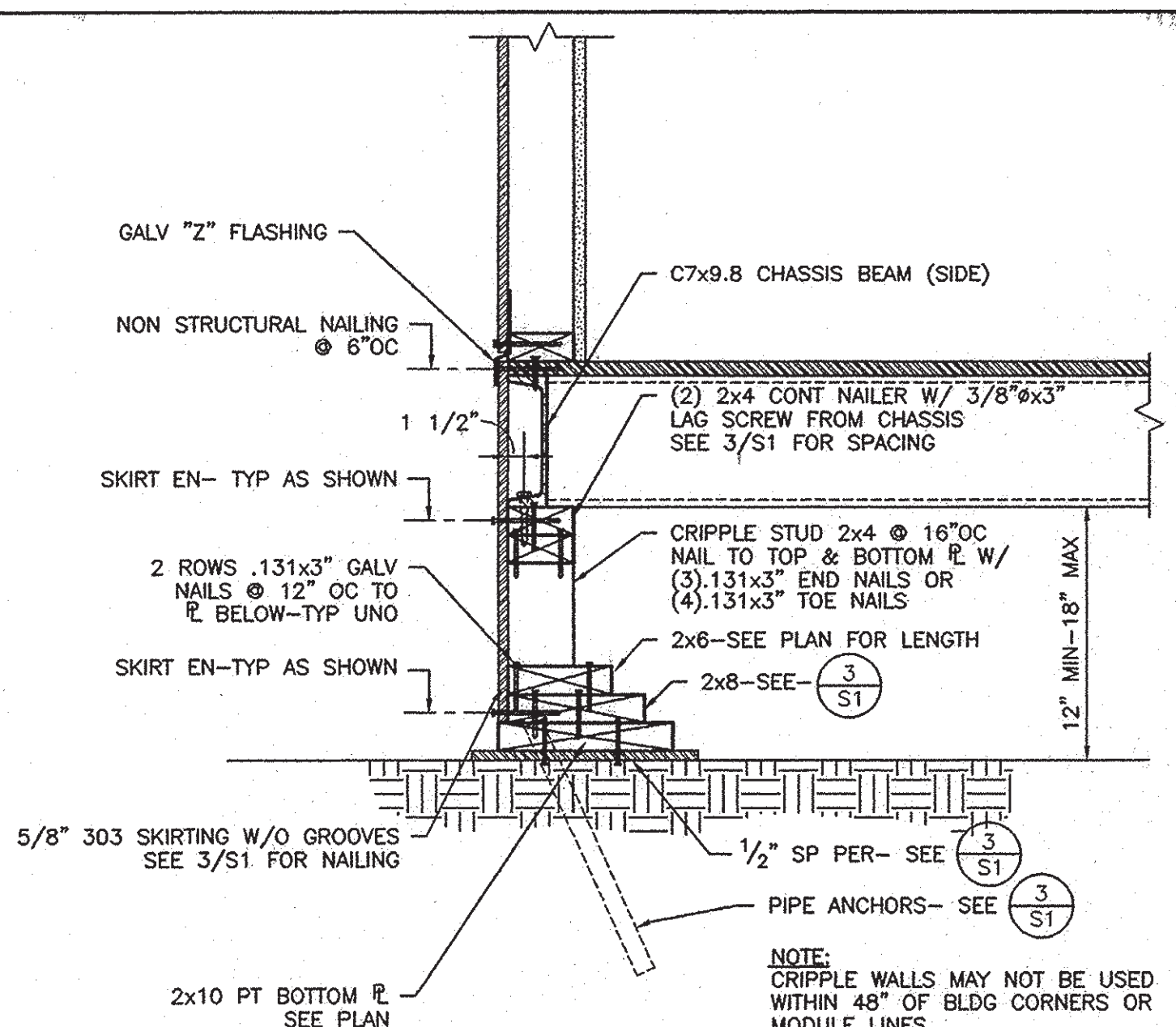
- SILL RESTRAINT:**
- ON SOIL: 1" HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW SOIL SURFACE @ 10'-0" OC, MIN 2 EA 2x R DRILL SILL 1 1/4" MAX. PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.
- ON A/C PAVING: 1" HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 10'-0" OC, MIN 2 EA 2x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

**FOUNDATIONS:**

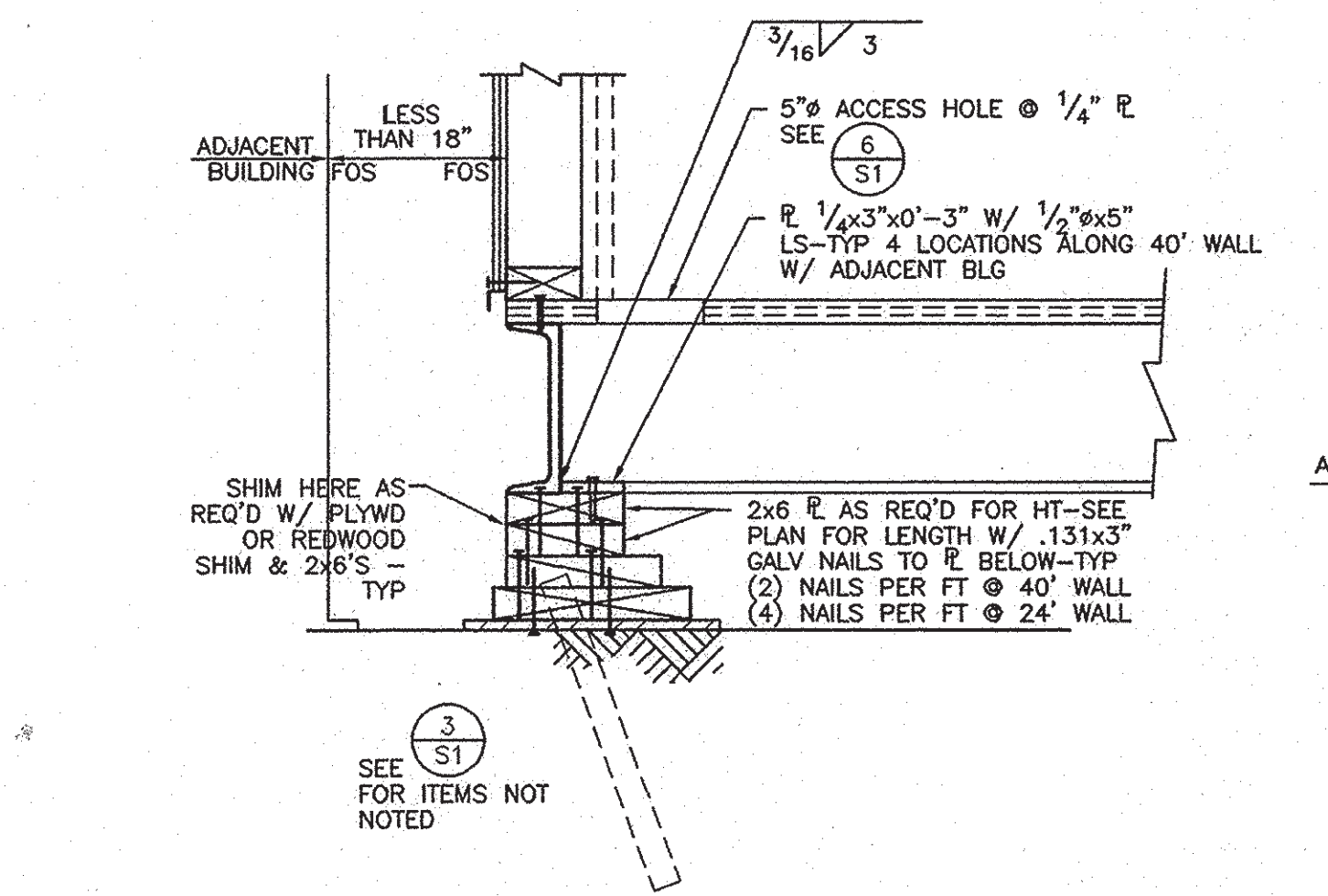
ALL FOUNDATION MATERIALS IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED EXCEPT SHIMS MAY BE REDWOOD, HEM FIR OR CEDAR. PRESSURE TREATED DOUGLAS FIR, HEM FIR, PLYWOOD ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING: "THE MATERIAL IN THIS UNIT WAS TREATED PER 2001 CALIFORNIA BUILDING 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 AWRB 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.

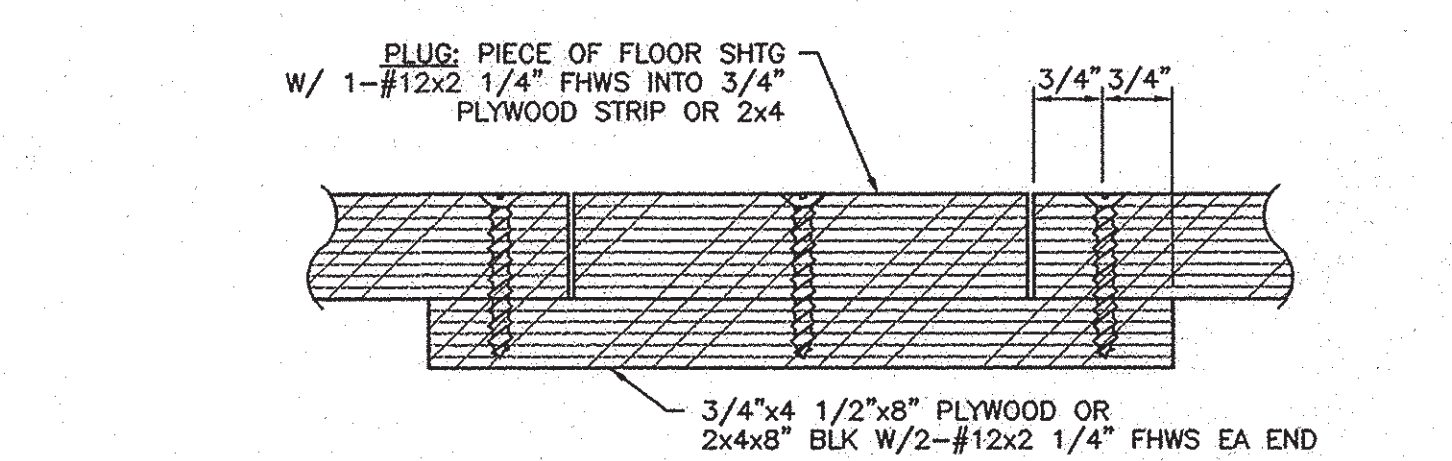
INSTALLATION SHALL BE PERMITTED ON EITHER SOIL, CONCRETE OR A/C PAVING, HAVING SUITABLE DESIGN BEARING CAPACITY. THE BUILDINGS SHALL BE SECURELY FASTENED TO THE FOUNDATIONS. THE FOUNDATIONS AND THE METHOD OF FASTENING SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND DSA. PADS SHALL BE DESIGNED FOR A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



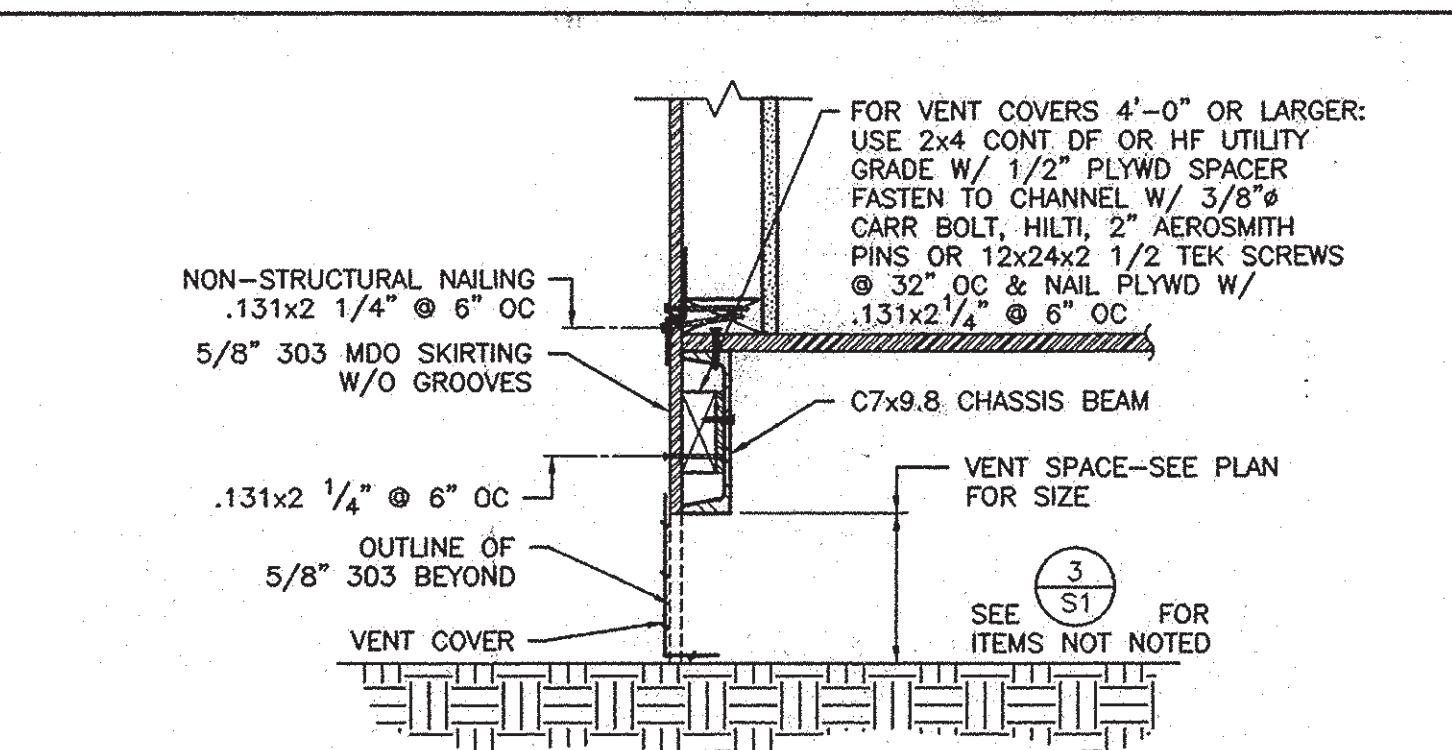
FOUNDATION DETAIL 1  
 1 1/2" = 1'-0"



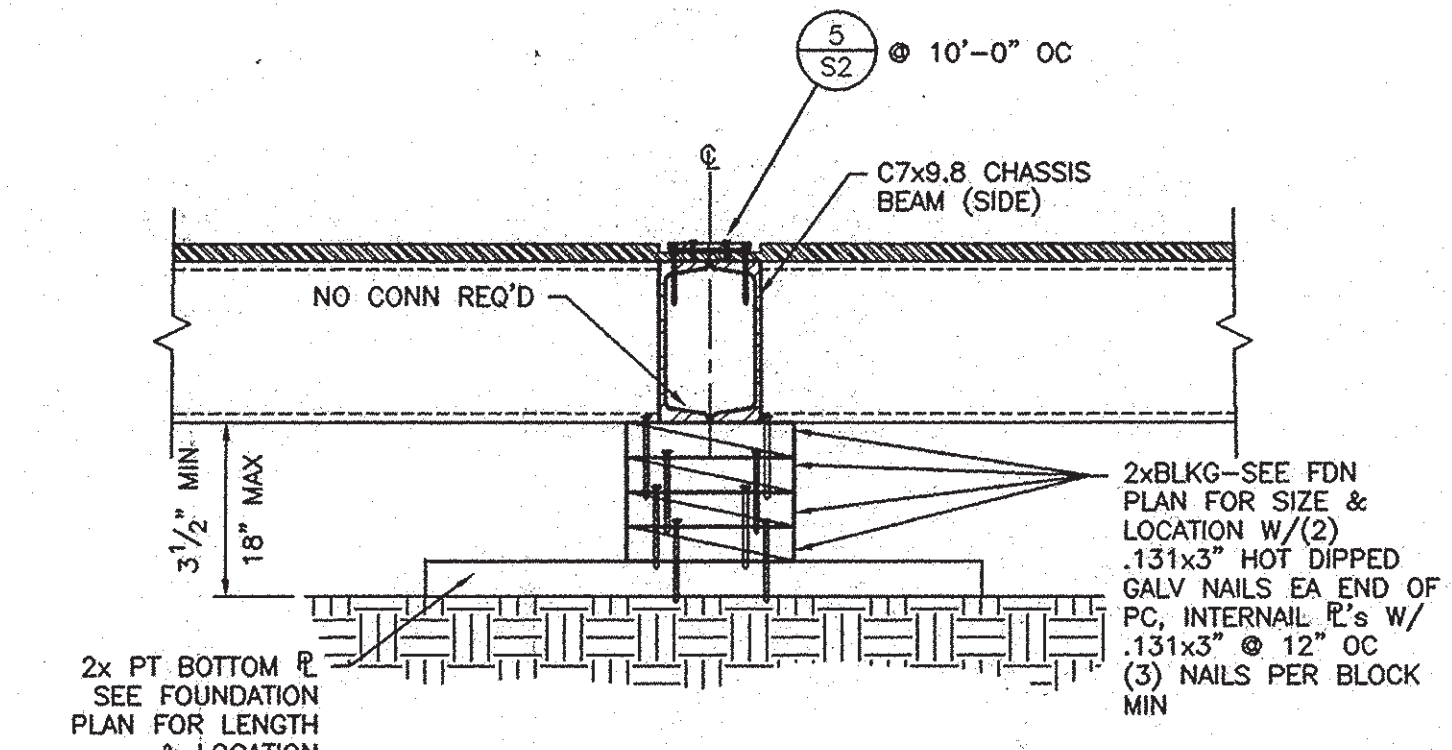
OPTIONAL FOR BUILDING PLACES LESS THAN 18" APART  
 FOUNDATION DETAIL 2  
 1 1/2" = 1'-0"



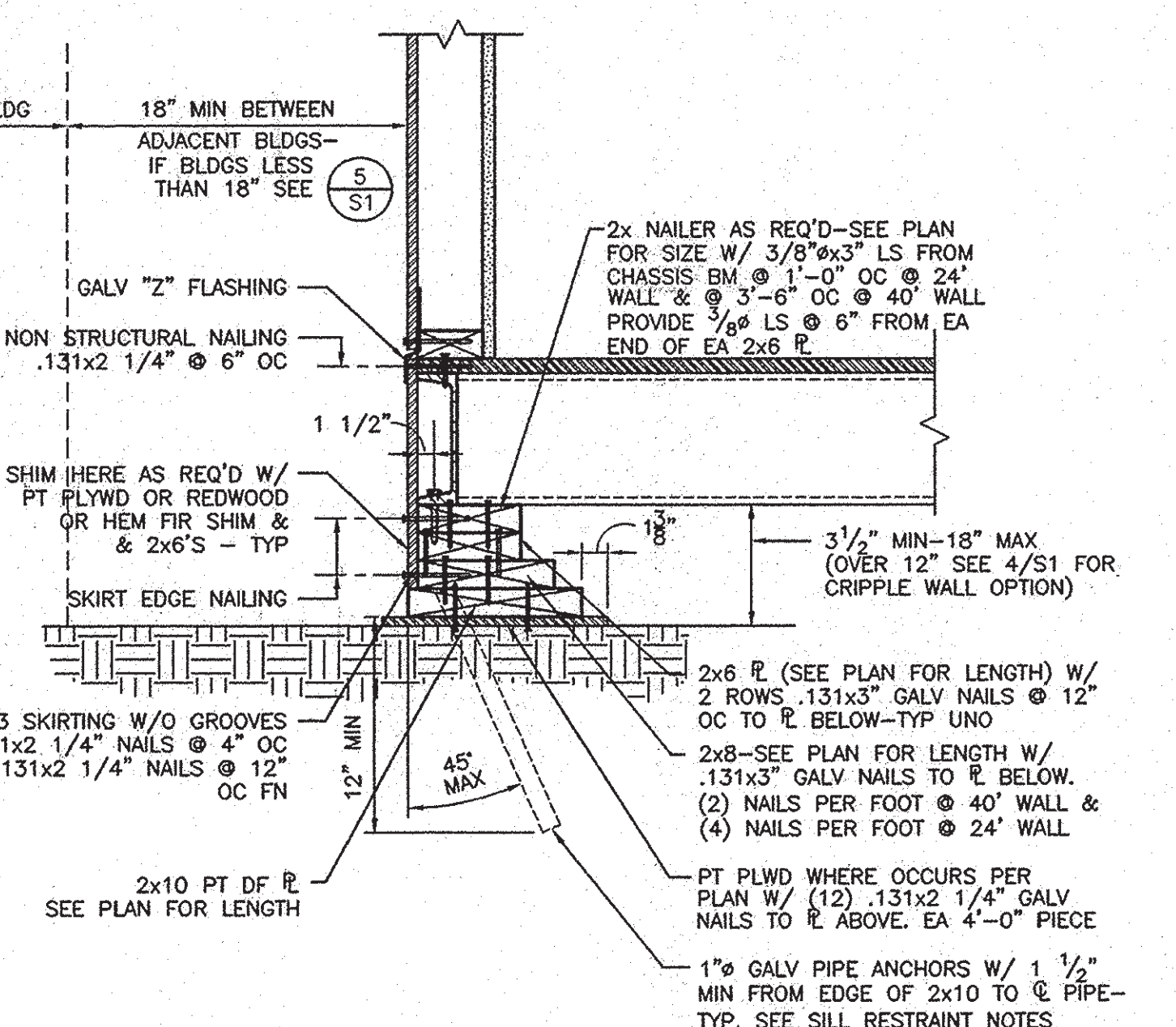
FOUNDATION DETAIL 3  
 NO SCALE



FOUNDATION DETAIL 4  
 1 1/2" = 1'-0"



FOUNDATION DETAIL 5  
 1 1/2" = 1'-0"



FOUNDATION DETAIL 6  
 1 1/2" = 1'-0"

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APPLICATION NO. 02-104915  
 DATE: 4/13/04

PROFESSIONAL SEAL  
 ARCHITECT  
 No. 3010  
 STATE OF CALIFORNIA

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

24 x 40  
 RELOCATABLE  
 CLASSROOM

**AMS**  
 American Modular Systems Inc.  
 787 Srockels Ave. Manteca, CA 95238  
 (209) 825-1921 Fax (209) 825-7018  
 amer@ammodular.com

REGISTERED ARCHITECT  
 No. C 12691  
 Exp. 3-31-05

REGISTERED PROFESSIONAL ENGINEER  
 Kenneth A. Luttrell  
 No. 418  
 Exp. 3-31-05

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

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

WOOD FOUNDATION PLAN & DETAILS  
 50 PSF FLOOR LIVE LOAD

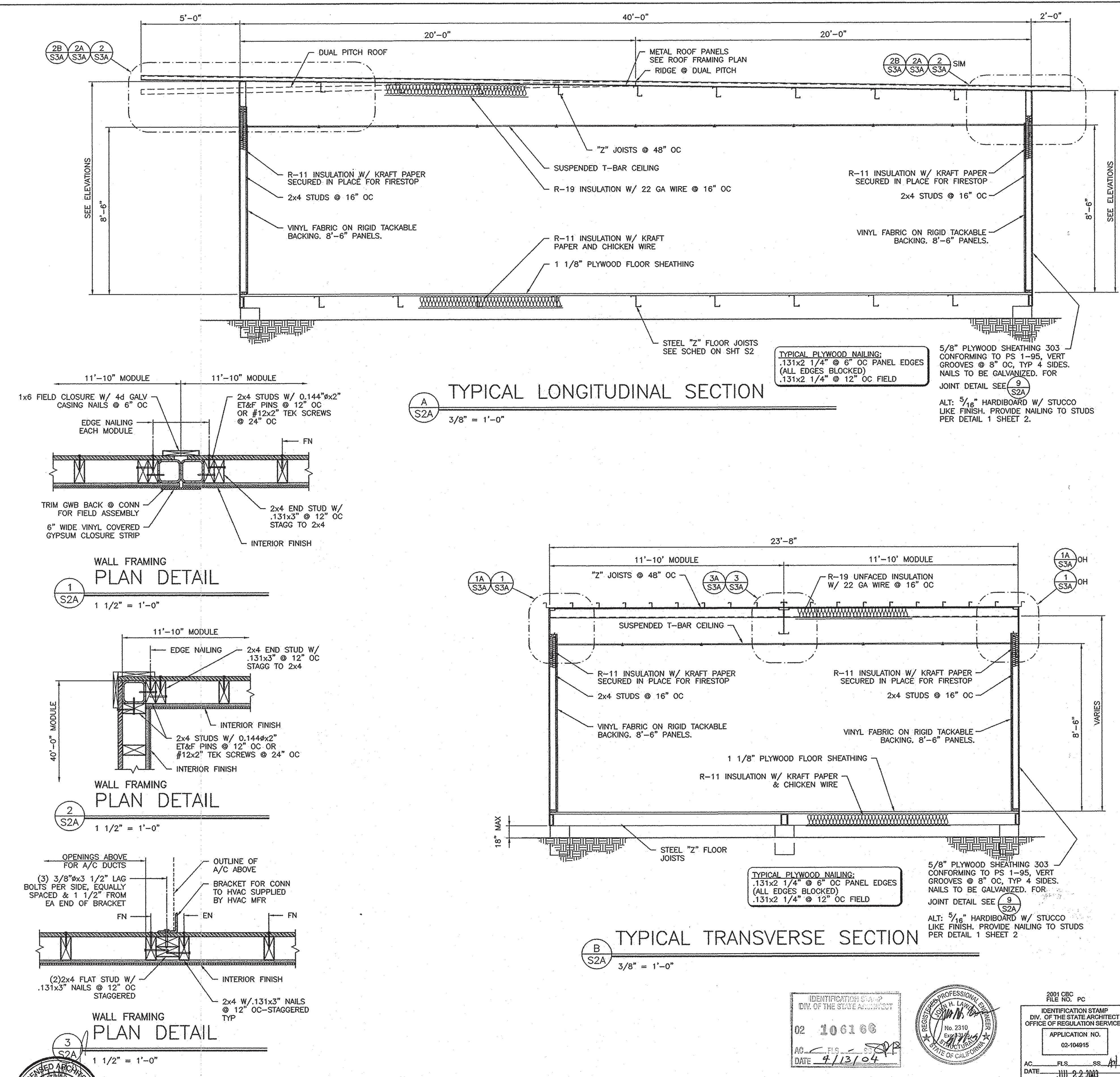
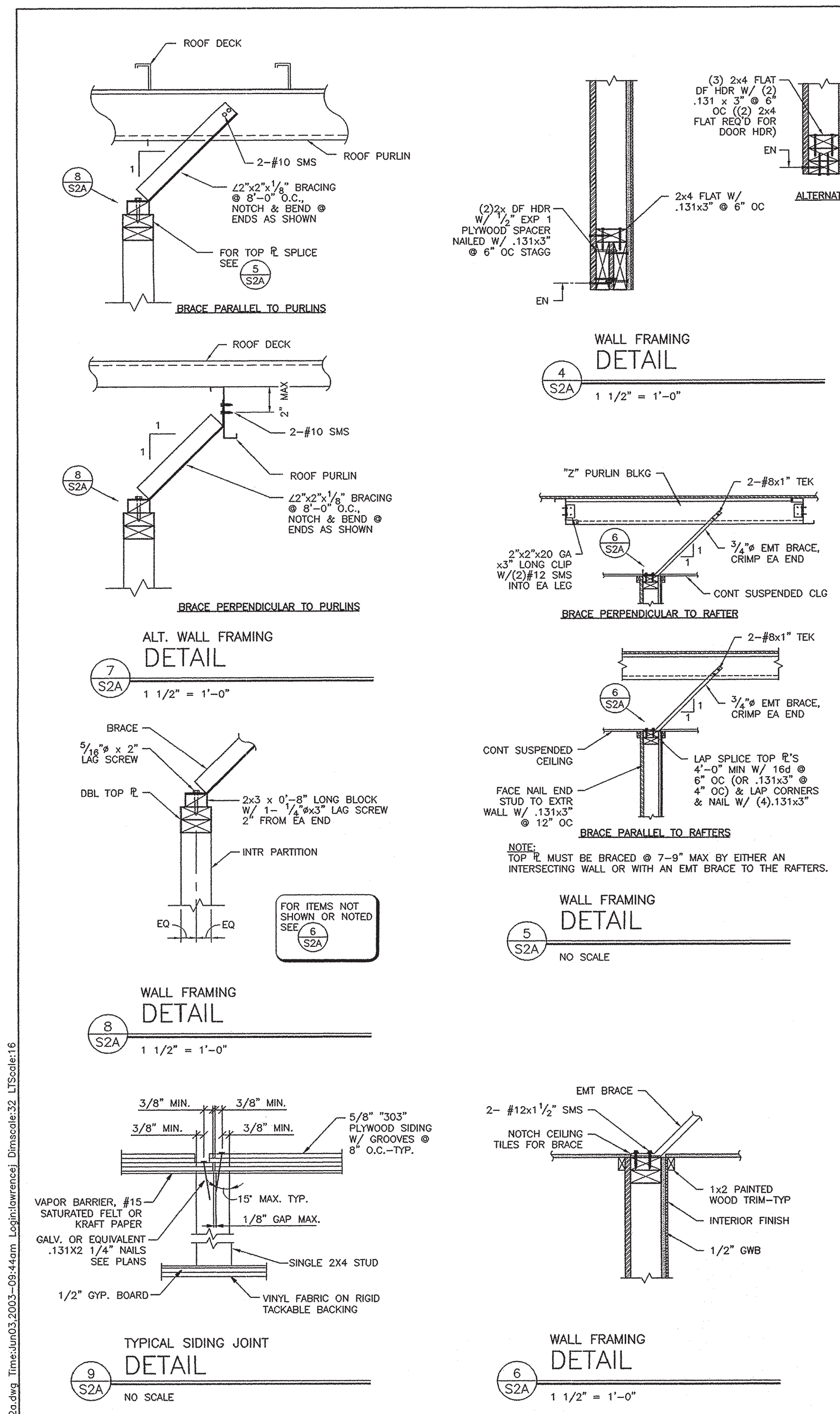
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NO	DATE	DESCRIPTION	

PROJECT NO.  
 02156-01

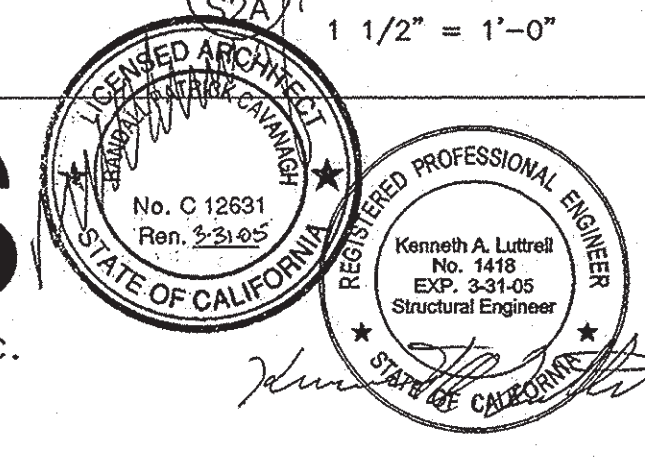
SHEET NO.  
 S1

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24 x 40  
 RELOCATABLE  
 CLASSROOM

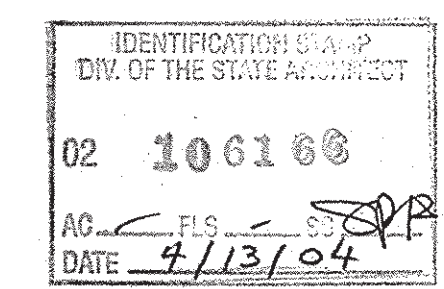


CUSTOMER: \_\_\_\_\_  
 BUILDING SECTIONS  
 AND WALL DETAILS

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

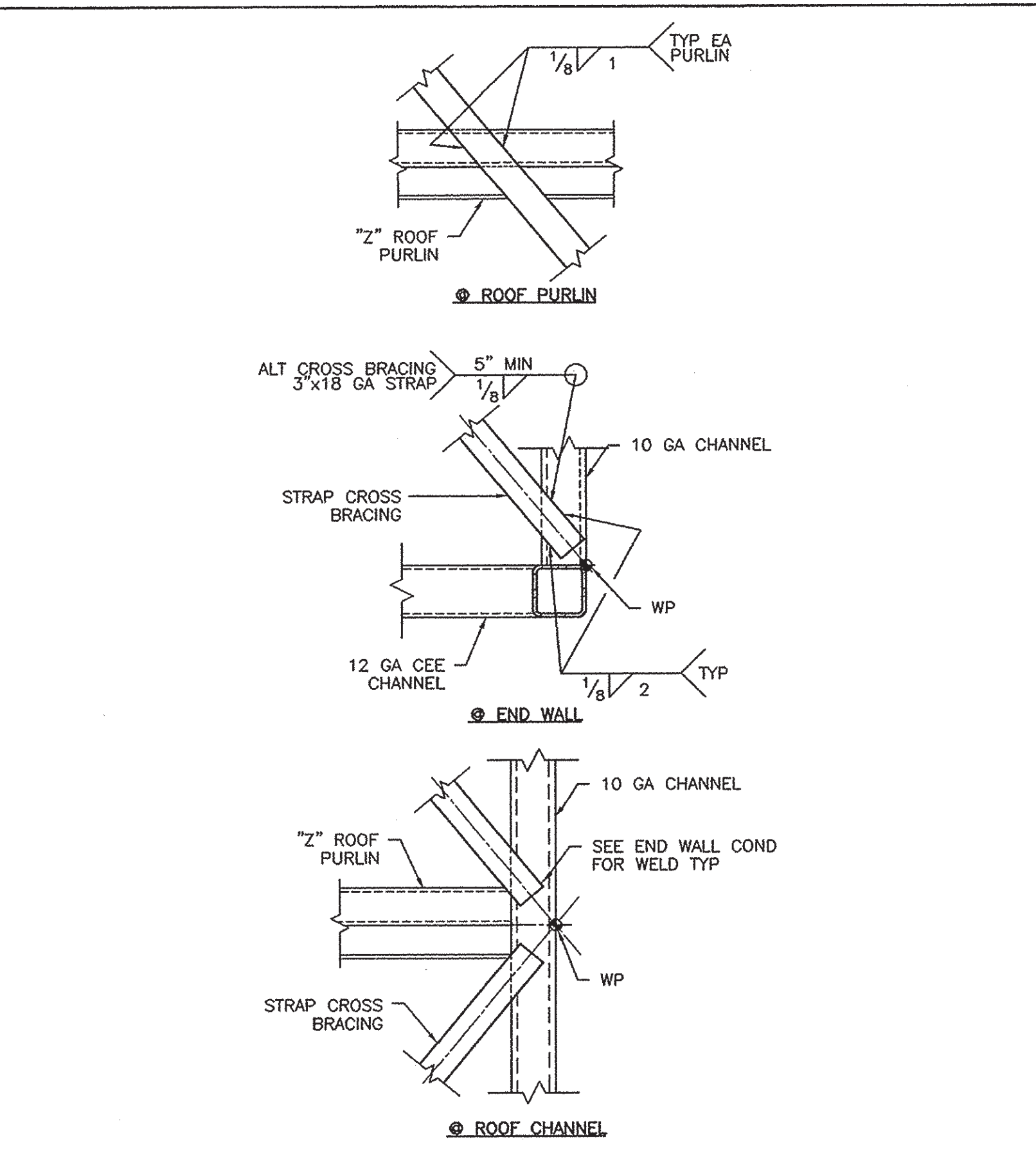
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PROJECT No.  
 02156-01  
 SHEET No.  
 S2A



2001 CRC  
 FILE NO. PC  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 APPLICATION NO.  
 02-104915  
 AC FLS SS  
 DATE: 11/22/00

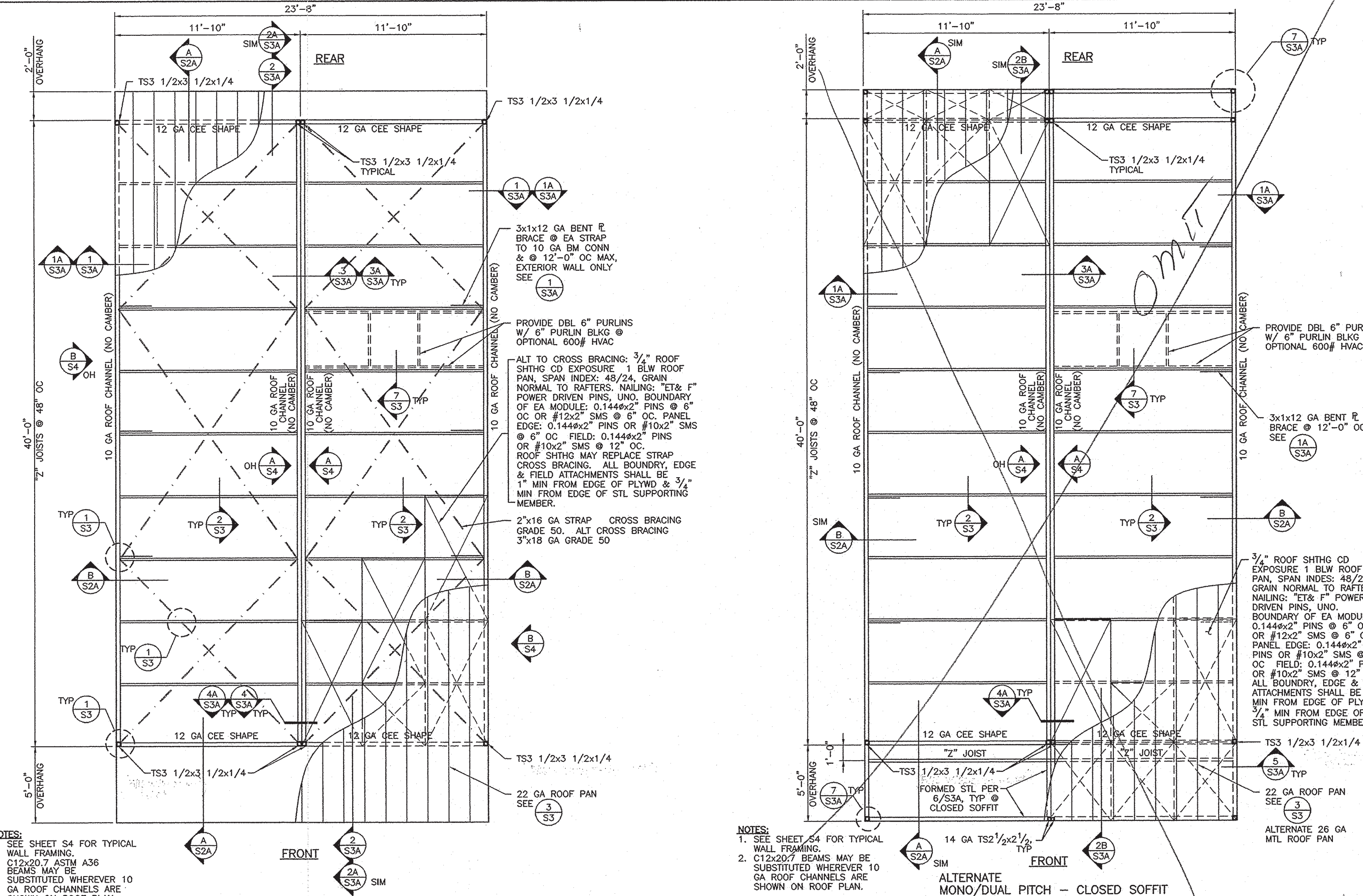




**10 GA ROOF PURLIN**  
 $S_x = 1.48 \text{ in}^3$   
 $I_x = 2.60 \text{ in}^4$

**12 GA ROOF PURLIN**  
 $S_x = 1.49 \text{ in}^3$   
 $I_x = 2.98 \text{ in}^4$

**14 GA ROOF PURLIN**  
 $S_x = 1.64 \text{ in}^3$   
 $I_x = 4.93 \text{ in}^4$



**MONO/DUAL PITCH - OPEN SOFFIT ROOF FRAMING PLAN**  
 1/4" = 1'-0"

**ALTERNATE MONO/DUAL PITCH - CLOSED SOFFIT ROOF FRAMING PLAN**  
 1/4" = 1'-0"

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

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

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

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

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

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

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


**SECTION C**  
 C SECTION PROPERTIES  
 $D=1'-4"$   
 $A=2.44 \text{ in}^2$   
 $S_x=10.54 \text{ in}^3$   
 $I_x=94.92 \text{ in}^4$

**NOTES:**  
 1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.  
 2. C12x20.7 ASTM A36 BEAMS MAY BE SUBSTITUTED WHEREVER 10 GA ROOF CHANNELS ARE SHOWN ON ROOF PLAN.

**NOTES:**  
 1. ROOF CHANNEL FABRICATED FROM ASTM A570 GRADE 40 HOT ROLLED SHEETS W/ RUST INHIBITIVE PRIMER.  
 2. SEE 3A/S4 FOR OPT BM SPLICE.

**PROPERTIES:**  
 $A = 3.212 \text{ in}^2$   
 $S_x = 13.85 \text{ in}^3$   
 $I_x = 110.8 \text{ in}^4$

24 x 40 RELOCATABLE CLASSROOM



**AMS**  
 American Modular Systems Inc.  
 767 Spreckels Ave. Manteca, CA 95336  
 (909)255-1821 Fax (909)255-7018  
 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	NO	DATE	DESCRIPTION

PROJECT No. 02156-01  
 SHEET No. S3

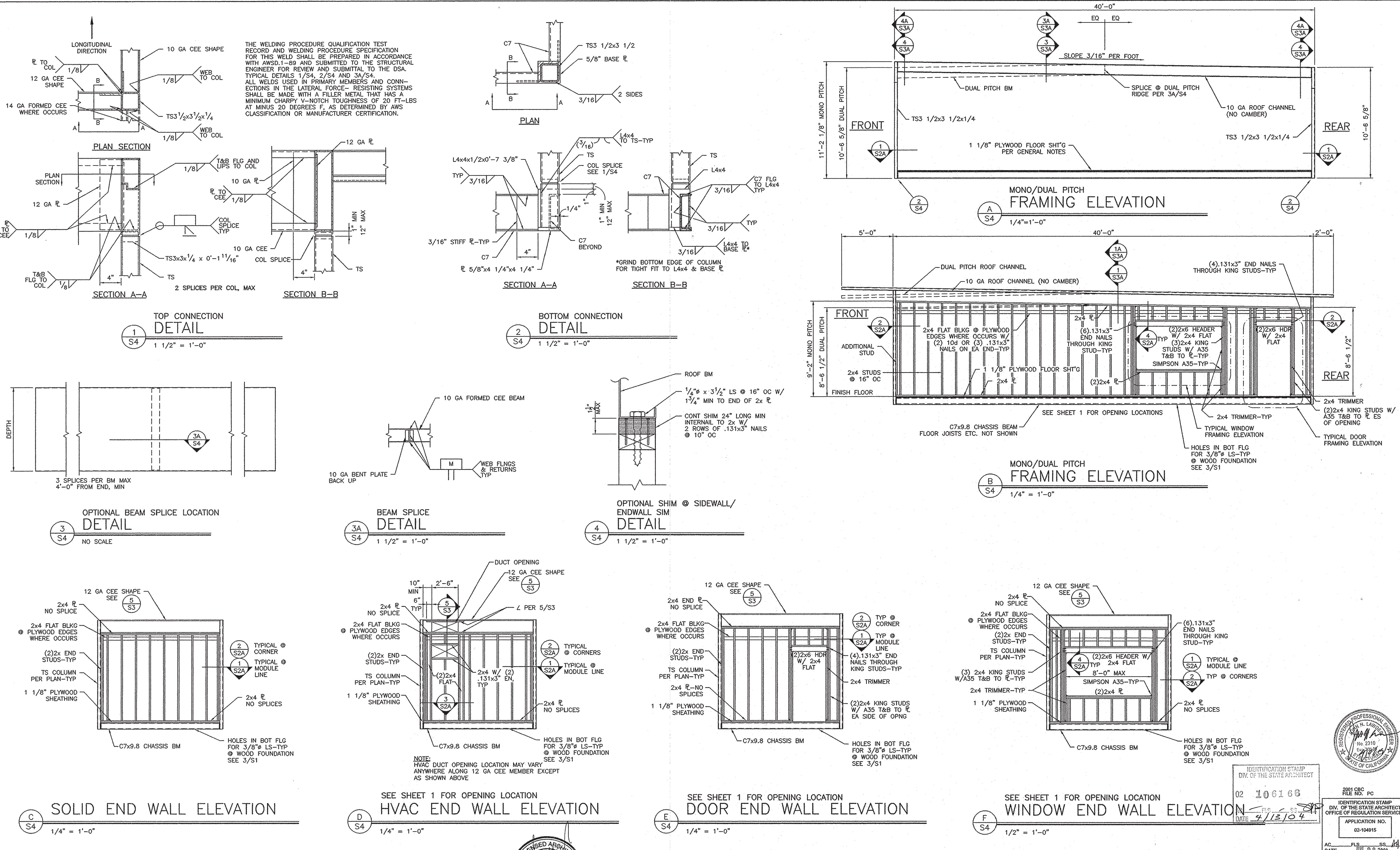
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IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 02 106168  
 AG: \_\_\_\_\_  
 DATE: 4/13/04



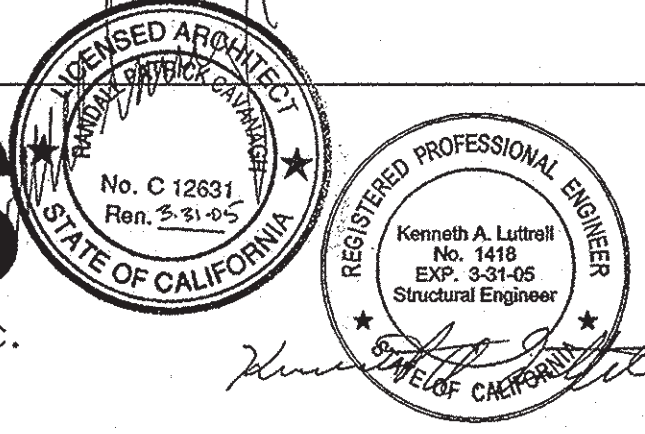
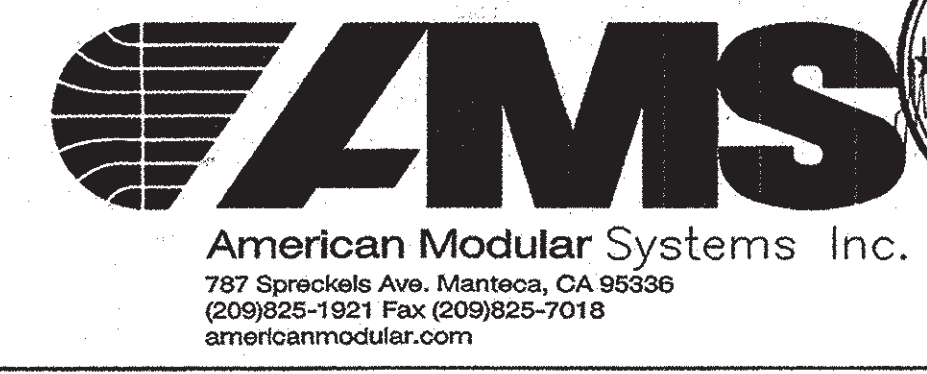
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 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 APPLICATION NO. 02-104915  
 DATE: JUL 2 2008





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24 x 40  
 RELOCATABLE  
 CLASSROOM



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

WALL FRAMING ELEVATIONS AND FRAME 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

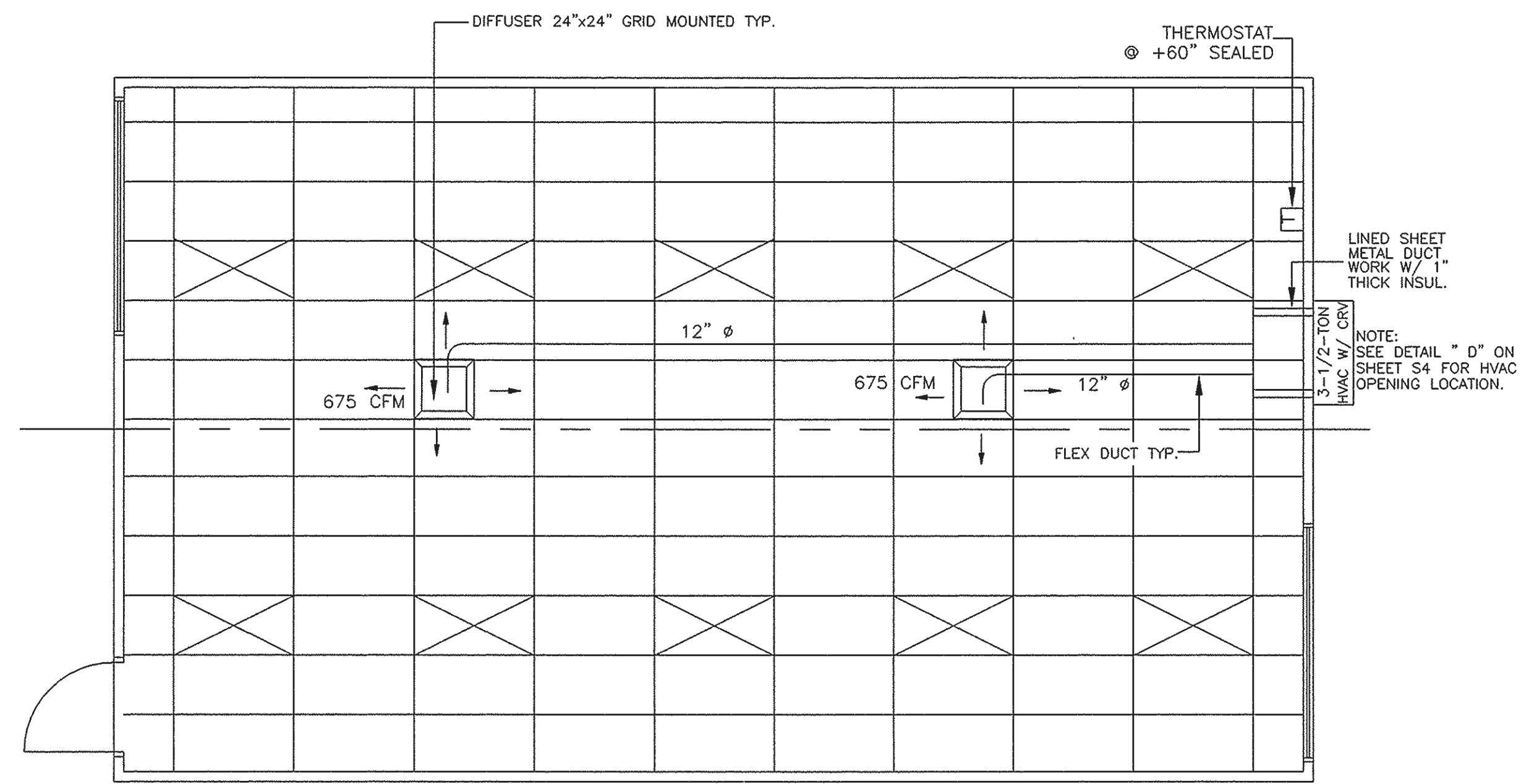
SHEET No.  
 S4



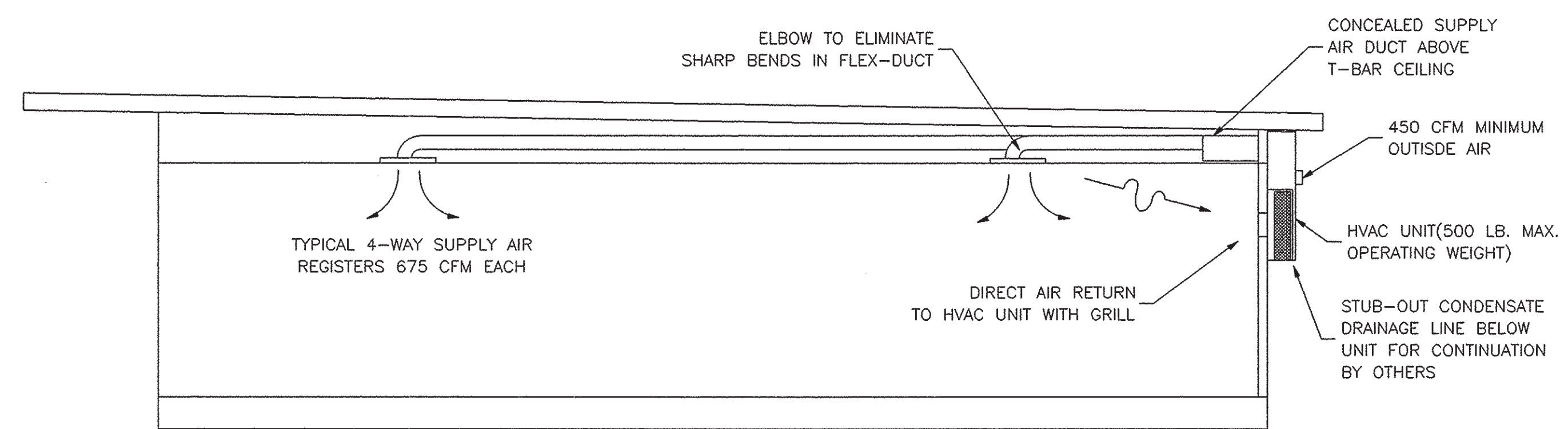
IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 02 106166  
 DATE: 9/13/04

2001 CBC, PC  
 FILE NO.: \_\_\_\_\_  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 APPLICATION NO.: 02-104819  
 DATE: 11/22/09





**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"

**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	F32T8 / Electronic	704
B	2	(3) 4ft fluorescent T8 Elec	F32T8 / Electronic	226

Controls for Credit: Occ Sensor > 250 sq ft

**Mechanical Measures**

Modular	Type	Qty	QSA	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	DESCRIPTION	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 DIAGRAMMATICAL 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)
- 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.
- The system shall maintain an automatically controlled indoor classroom temperature of 78 degrees F. When the outdoor dry bulb temperature varies between 100 degrees F. in the summer
  - The system must maintain the above temperature when the damper is adjusted to use approximately one third fresh air.
- Ductwork.
    - Construct all ductwork of galvanized sheet metal in accordance with C.M.C., Ashrae Guide Equipment volume and Smacna Low Velocity Duct Construction manual latest editions. All ductwork shall be insulated with 1" thick fiberglass duct wrap with vapor barrier. Provide 1" duct attenuation at all ductwork within 2'-0" of HVAC unit.
    - Non-metallic ductwork option: In accessible concealed portions of duct system rigid 1" fiberglass or insulated flex-duct with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 2' of the HVAC unit and all interface connections shall be metal. Ductwork and reinforcement shall be designed for 2" static pressure. Reference Brands: Owens-Corning fiberglass ductboard, 1" thick, and Micro-air, TYPE 475. Non-metallic ductwork shall conform to NFPA 90-A and SMACNA Class 1 rating.
  - Air duct insulation and linings shall comply with flame spread less than or equal to 25, smoke generation less than or equal to 50.
  - Supply air diffusers shall be 675 CFM 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".
  - 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
  - Air conditioning controls.
    - Thermostat: Provide electronic programmable thermostat. Thermostat shall have the following functions.
      - 5 and 2 weekday/weekend programming with 4 separate time/temperature setting for 24-hour period.
      - Key board lockout switch.
      - Programmable display.
      - 2-hour override minimum.
      - Status Indicated Led's.
      - Battery back-up
    - Provide locking clear thermostat cover with thermostat cover with access hole for program override. White Rodgers IF92-371 @ +60" SEALED.
  - Thermal insulation
    - Roof Insulation: R-19 Unfaced.
    - Walls Insulation: R-11 Kraft Faced.
    - Floors Insulation: R-11 Kraft Faced.
- Flame spread and smoke development shall conform to California Building Code sec. 707.  
 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.

24 X 40  
 RELOCATABLE  
 CLASSROOMS



**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:  
 CHECKED BY:  
 SERIAL NO.

BASED ON PC 02-104915

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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△			△		
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FILE NO.  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 02-106166  
 AC: FLS: SS: [initials]  
 DATE: 09/13/04

PROJECT No.  
 SHEET No.  
 M1

MECHANICAL PLAN & NOTES

**Mechanical Mandatory Measures**

- Equipment and Systems Efficiency**
- Any appliance for which there is a California standard established in the Appliance Efficiency Regulations with comply with the applicable standard.
  - §111  Fan type central furnaces shall not have pilot lights.
  - §115(a)  Piping, except that conveying fluids at temperatures between 60° and 105 degrees Fahrenheit, or within HVAC equipment, shall be insulated in accordance with Standards Section 123.
  - §123  Air handling duct systems shall be installed and insulated in compliance with Sections 601, 603 and 604 of the Uniform Mechanical Code.
  - §124 **Controls**
  - Each space conditioning system shall installed with one of the following:
    - §12(e)  Each space conditioning system serving building types such as offices and manufacturing facilities (and all others not explicitly exempt from the requirements of section 122(d)) shall be installed with an automatic time switch with an accessible manual override that allows operation of the system during off-hours for up to 4 hours. The time switch shall be capable of programming different schedules for weekdays and weekends; incorporate an automatic holiday "shut off" feature that turns off all loads for at least 24 hours, then resumes the normally scheduled operation; and has program backup capabilities that prevent the loss of the device's program and time settings for at least 10 hours if power is interrupted; or
    - §122(a)  An occupancy sensor to control the operating period of the systems; or
    - A 4-hour timer that can be manually operated to control the operating period of the system.
    - §113(b)  Each space conditioning system shall be installed with controls that temporarily restart and temporarily operate the system as required to maintain a setback heating and/or a setup cooling thermostat setpoint.
    - §122(e)  Each space conditioning system serving multiple zones with combined conditioned floor area more than 25,000 square feet shall be provided with isolation zones. Each zone: shall not exceed 25,000 square feet; shall be provided with devices, such as valves or dampers, that allow supply of heating or cooling to be setback or shut off independently of other isolation areas; and shall be controlled by a time control device as described above.
    - §122  Each space conditioning zone shall be controlled by an individual thermostatic control that responds to temperature within the zone. Where used to control heating, the control shall be adjustable down to 55 degF or lower. For cooling, the control shall be adjustable up to 25 degF or higher. Where used to control both heating and cooling, the control shall be capable of providing a dead band of at least 5°F within which the supply of heating and cooling is shut-off or reduced to a minimum.
    - §122(c)  Thermostats shall have numeric setpoints in degrees Fahrenheit (F) and adjustable setpoint stops accessible only to authorized personnel.
    - §122(b)  Heat Pumps shall be installed with controls to prevent electric resistance supplementary heater operation when the heating load can be met by the heat pump alone.

**Ventilation**

- §121(e)  Controls shall be provided to allow outside air dampers or devices to be operated at the ventilation rates as specified in these plans.
- §122(f)  Gravity or automatic dampers interlocked and closed on fan shutdown shall be provided on the outside air intakes and discharges of all space conditioning and exhaust systems.
- §122(f)  All gravity ventilating systems shall be provided with automatic or readily accessible manually operated dampers in all openings to the outside, except for combustion air openings.
- §121(f)  Air Balancing: The system shall be balanced in accordance with the National Environmental Balancing Bureau (NEBB) Procedural Standards (1983), or Associated Air Balance Council (AABC) National Standards (1986); or
- §121(f)  Outside Air Certification: The system shall provide the minimum outside air as shown on the mechanical drawings, and shall be measured and certified by the installing licensed C-20 Mechanical contractor and certified by (1) the design mechanical engineer, (2) the installing licensed C-20 mechanical contractor, or (3) the person with overall responsibility for the design of the ventilation system; or
- §121(f)  Outside Air Measurement: The System shall be equipped with a calibrated local or remote device capable of measuring the quantity of outside air on a continuous basis and displaying that quantity on a ready accessible display; or
- §121(f)  Another method approved by the Commission.

**Envelope Mandatory Measures**

- §118(a)  Installed Insulating Material shall have been certified by the manufacturer to comply with California Quality Standards for insulating material, Title 20
- §118(c)  All Insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of the Title 24, Part 2
- §117(a)  All Exterior Joints and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.
- §116(b)  Site Constructed Doors, Windows, and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).
- §116(a)  Manufactured Doors and Windows installed shall have air infiltration rates not exceeding those shown in Table Number 1-E, of standards. manufactured fenestration products must be labeled for U-value according to NFRC procedures.
- §118(e)  Demising Walls in Nonresidential Buildings: The Opaque portions of rates not exceeding those shown in framed demising walls in nonresidential buildings shall have insulation with an installed R-value of no less than R-11 between framing members.

**Mechanical Mandatory Measures - Cont.**

**Service Water Heating Systems**

- §113(b)  If a circulating hot water system is installed, it shall have a control capable of automatically turning off the circulating pump(s) when hot water is not required.
- §113(b)  Lavatories in restrooms of public facilities shall be equipped with controls to limit the outlet temperature to 110°F.
- §113(b)  Lavatories in restrooms of public facilities shall be equipped within of the following:
  - §113(b)  Outlet devices that limit the flow of hot water to a maximum of 0.5 gallons per minute
  - Foot actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute.
  - Proximity sensors actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute
  - Self-closing valves, and outlets devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.25 gallons/cycle (circulating system)
  - Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.50 gallons/cycle (non-circulating system)
  - Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.75 gallons/cycle (foot switches and proximity sensor controls).
- Pools and Spas**
- Pool and/or spa heating systems or equipment shall be installed only if the manufacturer has certified that the system or equipment meets the requirements of §114 and §115 of the Energy Efficiency Standards. Equipment shall not have a pilot light. All such systems shall be installed with at least 36" of pipe between the filter and the heater to allow for the future addition of solar heating equipment.
- A cover shall be provided for outdoor pools.
- A cover shall be provided for outdoor spas.
- Pools shall be installed with directional inlets that adequately mix the pool water.
- Pool circulation pump(s) shall be provided with a time switch that allows the pump to be set to run in the off-peak electrical demand period, and for the minimum time necessary to maintain the water in the conditions required by applicable public health standards.

**Lighting Mandatory Measures**

- §131(d)  For every floor, all interior lighting systems shall be equipped with a separate automatic control to shut off the lighting. This automatic control shall meet the requirements of Section 119 and may be an occupancy sensor, automatic time switch, or other device capable of automatically shutting off the lighting.
- §131(d)  Override for Building Lighting Shut-Off: The automatic building shut-off system is provided with a manual, accessible override switch in sight of the lights. The area of override is not to exceed 5,000 square feet.
- §119(h)  Automatic control Devices Certified: All automatic devices specified are certified, all alternate equipment shall be certified and installed as directed by the manufacturer.
- §113(b)  Fluorescent Ballast and Luminaires Certified: All fluorescent fixtures specified for the project are certified and listed in the Directory. All installed fixtures shall be certified.
- §132  Tandem Wiring for One and Three Lamp Fluorescent Fixtures: All one and three lamp fluorescent fixtures are tandem wired with two lamp ballasts were required by Standards Section 132, or all three lamp fluorescent fixtures are specified with electronic high-frequency ballasts and are exempt from tandem wiring requirements.
- §131(a)  Individual Room/Area Controls: Each room and area in this building is equipped with a separate switch or occupancy sensor device for each area with floor-to-ceiling walls.
- §131(b)  Uniform Reduction for Individual Rooms: All rooms and areas greater than 100 square feet and more than 0.8 watts per square foot of lighting shall be controlled with Bi-level switching for uniform reduction of lighting within the room.
- §131(c)  Daylight Area Control: All rooms with windows and skylights, that are greater than 250 square feet, and that allow for the effective use of daylight in the area shall have 50% of the lamps in each daylight area controlled by a separate switch; or the effective use of daylight cannot be accomplished because the windows are continuously shaded by a building on the adjacent lot. Diagram of shading during different times of year is included on plans.
- §131(f)  Control of Exterior Lights: Exterior mounted fixtures and served from the electrical panel inside the building are controlled with a directional photo cell control on the roof and a corresponding relay in the electrical panel.
- §131(e)  Display Lighting: Display lighting exterior mounted fixtures and served shall be separately switched on circuits that are 20 amps or less.

24 X 40  
 RELOCATABLE  
 CLASSROOMS



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

ENERGY MANDATORY MEASURES

DATE: 06-12-03  
 SCALE: NONE  
 DRAWN BY: Y.A.  
 CHECKED BY:  
 SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No. \_\_\_\_\_

SHEET No.  
 M 2



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

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 PC 02-104915  
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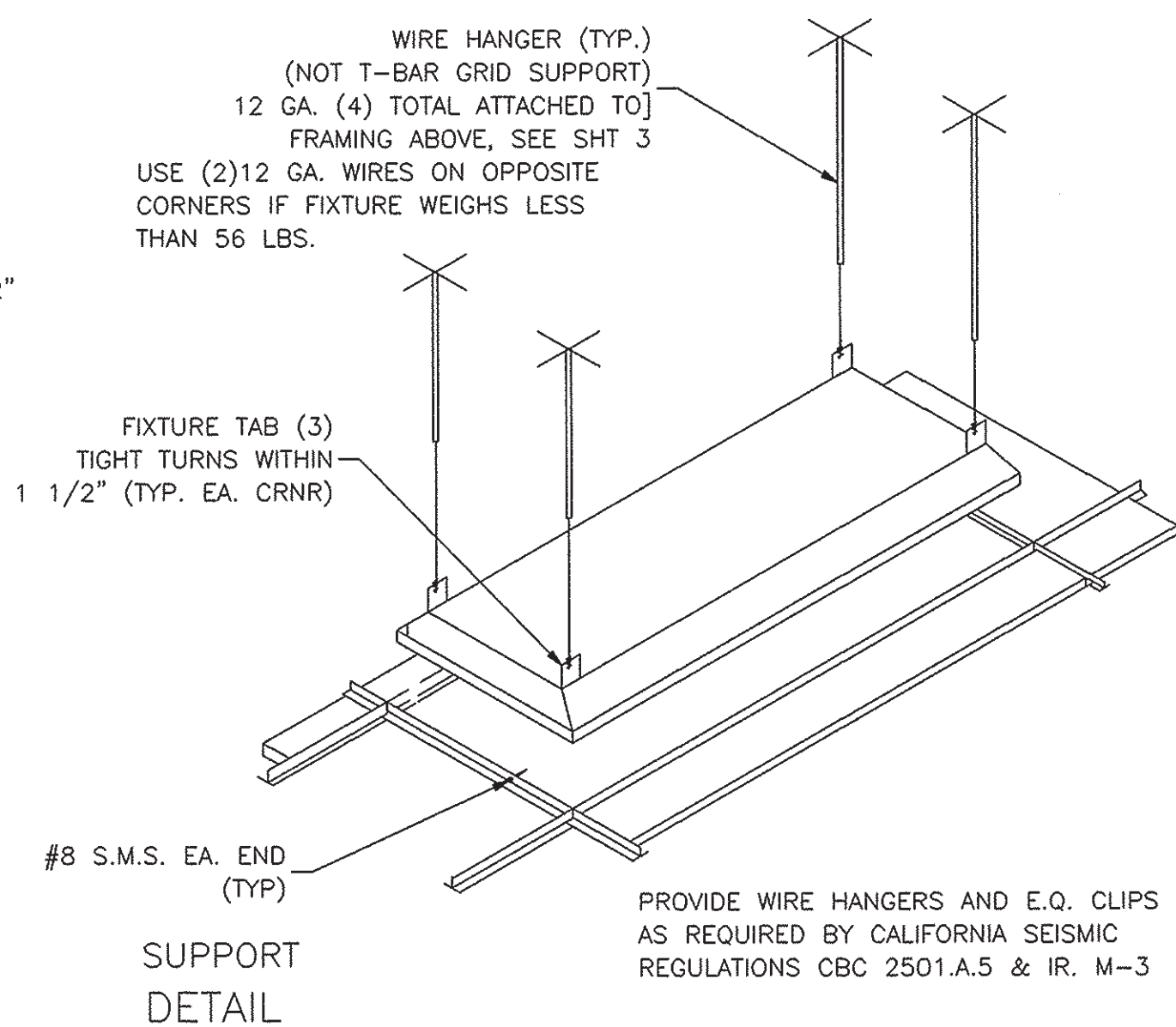
STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE - SURFACE MOUNTED.
- FLUORESCENT LIGHTING FIXTURE - RECESSED.
- FLUORESCENT LIGHTING FIXTURE - WALL MOUNTED (EXTERIOR).
- INCANDESCENT LIGHTING FIXTURE - WALL MOUNTED (INTERIOR).
- DUPLEX WALL CONVENIENCE OUTLETS +18".
- SINGLE POLE LIGHT SWITCHES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- ELECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"x1", #22 4"x2".
- WALL CLOCK OUTLET WITH POWER OUTLET +84".
- SWITCH SUBSCRIPTS - o=DEVICE CONTROLLED.
- 15 AMP DUPLEX RECEPTACLE +18".
- JUNCTION BOX - SIZE AND TYPE AS REQUIRED.
- PANELBOARD - SEE SCHEDULE.
- TERMINAL CABINET - SIZE AND TYPE AS NOTED.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR OR GRADE.
- HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
- INDICATES 1#14 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.
- BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#14 WIRE CIRCUIT, FOR MORE THAN 2#14 WIRES AS FOLLOWS, #1-3#14, #4-4#14 ETC. FOR OTHER SIZES AS FOLLOWS, #5-5#10, #6-6#6 ETC.

- NOTE
- FIXTURE IDENTIFICATION - LETTER INDICATES TYPE.
  - N.I.E.S. ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPECS.
  - MT ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.
  - FUSED DISCONNECT SWITCH SIZE AS REQUIRED, PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.
  - WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.

[W.E.F.] 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".
- FIRE ALARM MINI HORN - 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' FLUORESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS, T-8 ELECTRONIC BALLASTS (3)35 WATT TUBES, WT. 27 LBS.	SP41 32 W	CRESCENT MASTER 24GP332FSA11KOYU1 SLAVE 24GP332FSA11XXV6
	FLUORESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE, .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & "POSIGRIP" STAINLESS STEEL SCREWS.	(2) 7W TT 2700 K	KENALL 3714 OR 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.
- 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.
- Fluorescent ballast shall be energy saver while maintaining full light output, class "P" equipped with thermal protectors, guaranteed against failure for (2) years and be replaced from inside the fixture.
- Clock - 12" dial clock on clock outlet.
  - A) Clock shall be General Electric model 2912 129V 60 cycle
  - B) Clock outlet shall be Bryant #2828 or equal with separable hanging clip & app'd recept.

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
LIGHTS, FLUORESCENT	570	15	1	1	2	2	2	70	6600	A/C HVAC UNIT
LIGHTS, FLUORESCENT	570	15	1	3	4	2	70	6600		SPACE
EXTERIOR LIGHT & CLOCK	100	15	1	5	6					
DUPLEX RECEPT.	720	15	1	7	8					
DUPLEX 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"

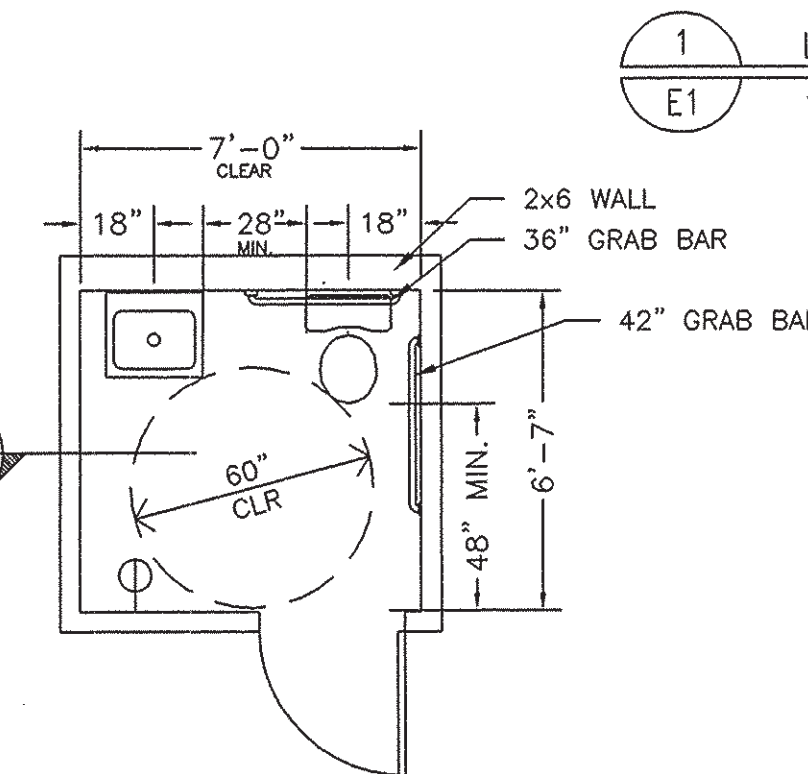
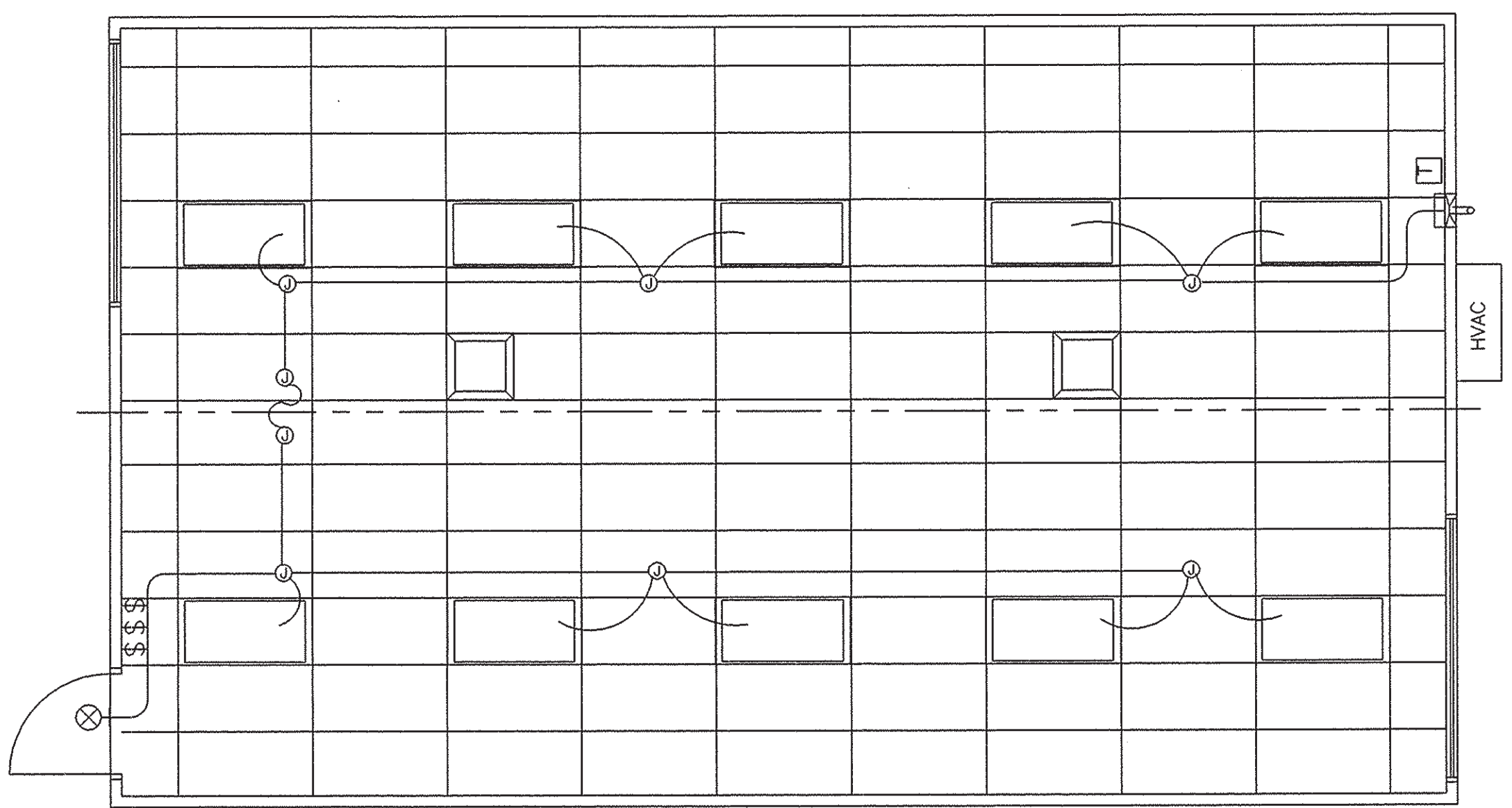
NOTE  
 STUB OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES. LOCATIONS SHOWN ARE DIAGRAMMATICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.

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  
 ACS FLS SS  
 DATE 4/13/04

BASED ON PC 02-104915

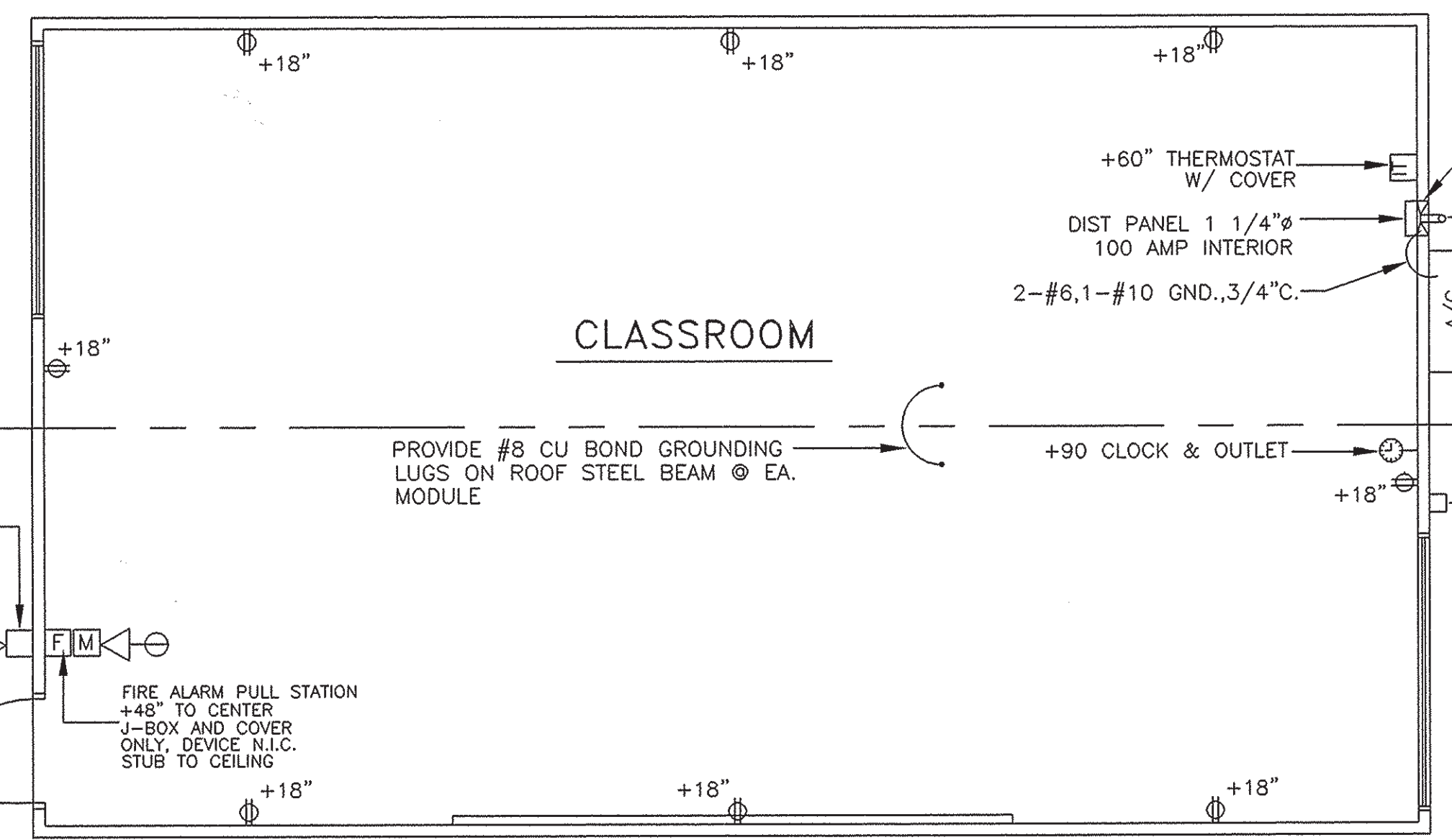


The H.V.A.C. unit feeder circuit - panel circuit breaker, feeder wire, unit disconnect and fuses (where used) - is to be coordinated with the name plate data at the time of manufacture. H.V.A.C. units having KVA ratings larger than that indicated on this panel schedule will not be allowed to be installed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

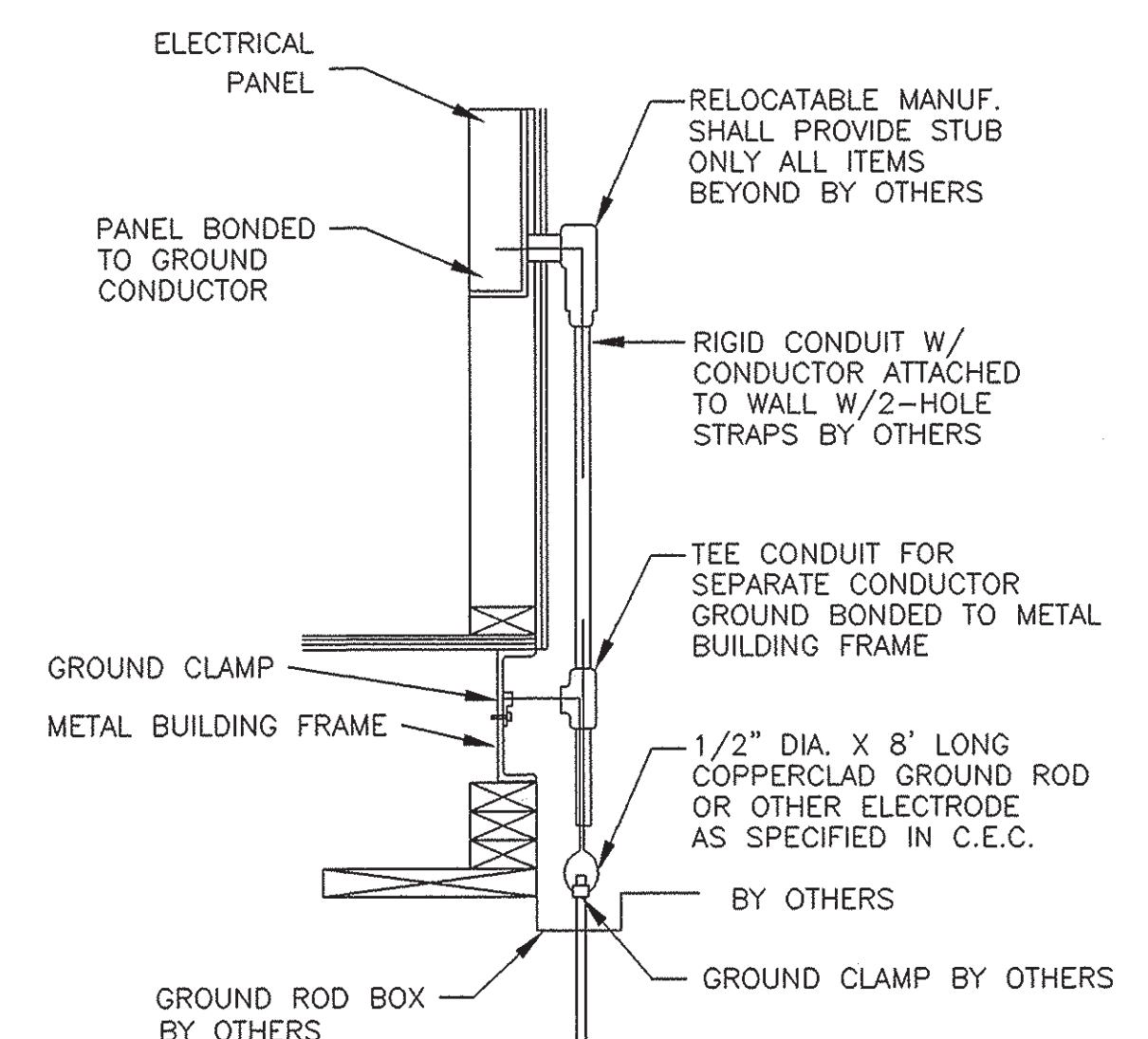
FIRE ALARM HORN @ +90" MIN. J-BOX WITH BLANK WEATHERPROOF COVER ONLY DEVICE N.I.C. STUB TO CEILING



FIRE ALARM Junction boxes - Galvanized sheet metal, square or rectangular with blank covers. Locate one box at rear of building near main electrical panel at +18" above finish floor for future connection. Covers - install gasketed, metal, waterproof, finish covers at exterior locations. Install finish covers at interior locations.

If testing results determine fire alarm audibility does not meet 15db over ambient noise levels, additional fire alarm signaling devices may be required by the enforcing agency

- 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.



Size of conductors shall comply W/CEC Table Bond separate conductors from ground rod to electrical panel & metal building frame. In addition to the detail shown above, bond the electrical ground to metal water pipe embedded @ least 10' into the soil if available. Electrical bond modules together W/#8 CU @ modline. 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.

24 X 40 RELOCATABLE CLASSROOMS



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:  
 CHECKED BY:  
 SERIAL NO.

REVISIONS			
NO	DATE	DESCRIPTION	
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PROJECT No.  
 SHEET No.  
 E1

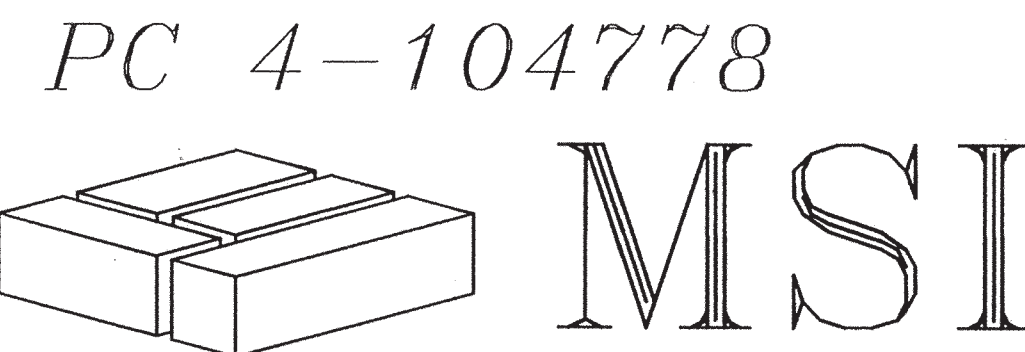
ELECTRICAL PLAN & NOTES

**BUILDING CODES AND STANDARDS**

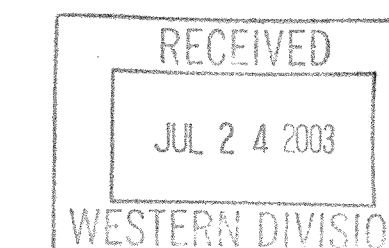
2001 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)  
 2001 CALIFORNIA BUILDING CODE VOLUMES 1, 2 AND 3 (PART 2 TITLE 24, CCR) (1997 EDITION UNIFORM BUILDING CODE WITH 2001 CALIFORNIA AMENDMENTS)  
 2001 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR) (1999 EDITION NATIONAL ELECTRICAL CODE WITH 2001 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

**MANUFACTURED RELOCATABLE MODULAR BUILDINGS**

**STOCKPILE FOR (59) 24'x40'**  
**PORTABLE DSA CLASSROOMS**



**MODULAR STRUCTURES INTERNATIONAL Inc.**  
 920 CITRUS AVE. RIVERSIDE, CA. 92507  
 (909) 788-3035



**MSI**  
 MODULAR STRUCTURES INTERNATIONAL, INC.  
 920 CITRUS AVE. RIVERSIDE, CALIFORNIA 92507  
 PHONE: (909) 788-3035 FAX: (909) 788-1123

**W.S.M.M. RELOCATION PACKAGE - FROM STOCKPILE TO SITE SPECIFIC FOR : BAKERSFIELD CITY S.D. ROOSEVELT E.S. (X6) RIGHT HAND DOOR 2440 UNITS - SNs: 20240-41 / 20246-47 / 20250-51 / 20460-61 / 20480-81 / 20486-87 / (X1) LEFT HAND DOOR 2440 UNIT - SNs: 20230-31**

**BUILDING DATA**

OCCUPANCY: E-2  
 TYPE OF CONSTRUCTION: V-NON RATED  
 WIND LOAD: 80 M.P.H. EXPOSURE 'C'  
 FLOOR LIVE LOAD: 50 PSF  
 ROOF LIVE LOAD: 20 PSF  
 BUILDING AREA: 24'x40'=960 SQ. FT.  
 STRUCTURAL DESIGN: RIGID FRAME WITH CLEAR SPAN TRUSS  
 MODULES: 12'x40'  
 SEISMIC ZONE: 4  
 SEISMIC NEAR SOURCE FACTORS: Z=0.4, P=1.0, Ca=0.44xNa, Na=1.5 REDUCED TO 1.1 PER TITLE 24 SEC. 1629A.4.2 I=1.0, R=4.5, Cv=0.64xNv, Nv=2.0  
 ENERGY COMPLIANCE: CLIMATE ZONE 1 THRU 16

**NOTES:**  
 THIS P.C. IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.  
 THIS P.C. IS NOT APPROVED FOR 'A' OCCUPANCY USES.  
 A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECT. 4-342, PART 1, TITLE 24, CCR. MIN INSPECTOR CLASS 2.

**REVISION SUMMARY LOG**

REVISION	DATE	DESCRIPTION OF REVISION	SHEET #
1.	-	-	-

**DRAWING INDEX**

SHEET NO.	ARCHITECTURAL	SHEET NO.	
CS	COVER SHEET, BLDG DATA, SHEET INDEX		
G-1	GENERAL NOTES & SPECIFICATIONS		
G-2	CONSTRUCTION NOTES, BLDG. MATERIALS, DOOR, WINDOW & FINISH SCHEDULES		
G-3	STANDARD ARCHITECTURAL PLUMBING DETAILS		
G-4	STANDARD ARCHITECTURAL DETAILS		
<b>FLOOR PLAN #1</b>			
A-1-24	24'x40' FLOOR PLAN, DUAL SLOPE EXTERIOR ELEVATIONS & ROOF PLAN		
A-2-24	24'x40' INTERIOR ELEVATIONS		
A-3-24	24'x40' REFLECTED CEILING PLAN & DETAILS		
M-1-24	24'x40' MECHANICAL PLAN		
E-1-24	24'x40' ELECTRICAL LIGHTING/POWER PLAN & FIRE ALARM		
<b>FLOOR PLAN</b>			
A-1.1-24	24'x40' FLOOR PLAN, DUAL SLOPE EXTERIOR ELEVATIONS & ROOF PLAN		
A-2.1-24	24'x40' INTERIOR ELEVATIONS		
A-3.1-24	24'x40' REFLECTED CEILING PLAN & DETAILS		
M-1.1-24	24'x40' MECHANICAL PLAN		
E-1.1-24	24'x40' ELECTRICAL LIGHTING/POWER PLAN & FIRE ALARM		
<b>STRUCTURAL</b>			
S-1	GENERAL NOTES & SPECIFICATIONS		
S-5	RIGID FRAME SECTIONS & DETAILS, DUAL SLOPE W/ LIGHT GA. SIDEWALL		
S-10	FLOOR FRAMING PLAN & DETAILS W/ PLYWOOD FLOOR (80 & 90 MPH WIND)		
S-21	EXTERIOR WALL FRAMING ELEVATIONS (STEEL STUDS 80 & 90 MPH WIND)		
S-26	STEEL STUD WALL FRAMING DETAILS (80 & 90 MPH WIND)		
S-30	WOOD STUD WALL FRAMING DETAILS (80 MPH WIND)		
S-41	ROOF FRAMING PLAN W/ 22 GA. ROOF (80 & 90 MPH WIND)		
S-51	ROOF FRAMING DETAILS W/ 22 GA. ROOF (80 & 90 MPH WIND)		
S-60	DUAL SLOPE TRUSS & DETAILS 20 PSF ROOF (80 MPH WIND)		
R-1	RAMP FRAMING PLAN & DETAILS (4'-0" WIDE RAMP)		
<b>FOUNDATION</b>			
F-1	WOOD PAD FOUNDATION & DETAILS (50 PSF FLOOR, 20 & 30 PSF ROOF) W/ PLYWOOD FLOOR (80 MPH WIND)		
F-1.1	WOOD PAD FOUNDATION & DETAILS (50+20 PSF FLOOR, 20 & 30 PSF ROOF) W/ PLYWOOD FLOOR (80 MPH WIND)		
F-2	CONCRETE FOUNDATION PLAN ABOVE GRADE W/ PLYWOOD FLOOR (80 & 90 MPH WIND)		
F-2.1	CONCRETE FOUNDATION DETAILS ABOVE GRADE W/ PLYWOOD FLOOR (80 & 90 MPH WIND)		
F-4	CONCRETE FOUNDATION PLAN FLUSH W/ GRADE W/ PLYWOOD FLOOR (80 & 90 MPH WIND)		
F-4.1	CONCRETE FOUNDATION DETAILS FLUSH W/ GRADE W/ PLYWOOD FLOOR (80 & 90 MPH WIND)		

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ARCHITECT STAMP  
 DATE SIGNED  
 JUL 15 2003  
 PROFESSIONAL ARCHITECT  
 STATE OF CALIFORNIA  
 LICENSE EXPIRES 6-30-2004

STRUCTURAL ENGINEER STAMP  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGISTRATION SERVICES  
 04 105453  
 AS NOTED  
 DATE JUL 15 2003  
 AC: A.M. Smith  
 PLO: Egan co  
 SS: S. FORTER  
 STATE AGENCY STAMP

PROJECT  
 MODULAR CLASSROOM BUILDING  
 TITLE  
 COVER SHEET

JOB # 03-1012  
 03-1014  
 DATE 7/8/03  
 DRAWN BY JAG  
 APPROVED  
 REVISIONS  
 SHEET NO.  
 CS

STATE AGENCY STAMP



GENERAL SPECIFICATIONS

SECTION 1A

1. GENERAL

- A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENTS APPLY TO ALL SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH SECTION.
- B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS.
- C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLE 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 DISTRICT ARCHITECT.

2. SCOPE OF WORK

- A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT, AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDING AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
- B. ALL REQUIREMENTS OF TITLE 19 AND 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS (C.C.R.) RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:

- 1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OR 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 DISTRICT.
- 3. ON SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY OF THE BUILDING INSTALLATION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
- 4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.

3. WORK NOT INCLUDED

- A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
- B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS; WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- C. FIRE ALARM SYSTEM, FIRE EXTINGUISHER, PROGRAM BELL, CLOCK, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

4. WHEELS AND HITCH

- SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

5. ACCESSIBILITY OF SITE

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

6. GENERAL CONSTRUCTION

- A. STRUCTURAL FRAME - EACH MODULE SHALL BE DESIGNED AS A MOMENT FRAME STRUCTURE TO WITHSTAND VERTICAL AND HORIZONTAL LOADS AND COMPLY WITH REQUIREMENTS OF THE DIVISION OF THE STATE ARCHITECT. THE NECESSARY PROVISIONS ARE INCORPORATED IN THE STRUCTURE TO PERMIT THE RELOCATION OF THE STRUCTURAL FRAME IN SECTIONS NOT EXCEEDING 12 FEET IN WIDTH.
- B. FLOOR - THE FLOOR SHALL BE STEEL FRAMED WITH A DESIGN LIVE LOAD OF 50 LBS. PER SQUARE FOOT UNLESS OTHERWISE NOTED ON THE DRAWINGS.

SECTION 5A STRUCT. AND MISC. STEEL

1. SCOPE OF WORK

- CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR AND SERVICES AS SPECIFIED AND INDICATED ON THE DRAWINGS. SERVICES REQUIRED FOR STRUCTURAL AND MISCELLANEOUS STEEL.

2. MATERIALS

- A. STRUCTURAL STEEL SHAPES- ASTM A-36, OPEN HEARTH OR ELECTRIC FURNACE ONLY, ALL REGULAR SHAPES AS DESCRIBED IN AISC CONSTRUCTION MANUAL, UNLESS OTHERWISE NOTED.
- B. COLD FORMED LIGHT GAUGE STEEL- ASTM A-570 GRADE 33, MINIMUM YIELD 33,000 PSI.
- C. STRUCTURAL PIPE - ASTM A-53 MIN. YIELD OF 35,000 PSI, STRUCTURAL TUBING - ASTM A-500 MIN. YIELD OF 46,000 PSI.
- D. BOLT MATERIAL- BOLTS AND NUTS, AMERICAN STANDARD REGULAR, AS DETAILED IN AISC CONSTRUCTION MANUAL, FABRICATED FROM STRUCTURAL QUALITY STEEL, ASTM A-307.
- E. ARC-WELDING ELECTRODES- CLASS E-70 SERIES FOR WELDING A-36 STEEL TO A-36 STEEL, SERIES FOR WELDING A-570 STEEL TO A-36 STEEL, CONFORMING TO REQUIREMENTS OF THE STRUCTURAL WELDING CODE OF AMERICAN WELDING SOCIETY, LATEST EDITION.
- F. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL RESISTING SYSTEMS SHALL BE MADE WITH FULL PENETRATION WELDS THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT. LBS. AT MINUS 20 DEGREES F, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.

3. WORKMANSHIP

- A. GENERAL - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS, TITLES 21 AND 24 OF THE CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF LIGHT GAUGE STEEL STRUCTURAL MEMBERS.
- B. WELDING- ALL WELDING DONE BY SHIELDING ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH THE AMERICAN WELDING SOCIETY, WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT.
- C. ERECTION- STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNED LOCATIONS, FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
- D. NAILS, BOLTS, SCREWS, NUTS, ETC.- FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
- E. HANDRAILS- FABRICATED AS DETAILED, WELDS GROUND SMOOTH.
- F. SHOP PAINT- 1. EXPOSED STEEL COATED WITH ONE COAT SHOP COAT. 2. NON-EXPOSED STEEL COATED WITH ONE COAT SHOP COAT. 3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOPS COAT. 4. TESTS- PROVIDE MILL CERTIFICATES OR TEST ALL MEMBERS. WELDS SHALL BE INSPECTED AND/OR TESTED PER T-24 SECTION 2231A.5.

SECTION 6A CARPENTRY

1. SCOPE OF WORK

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

2. MATERIALS

- LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 18" OF WEST COAST LUMBER INSPECTION BUREAU OR "GRADING RULES FOR WESTERN LUMBER, 3RD EDITION" OF WESTERN WOOD PRODUCTS ASSOCIATION. PLYWOOD GRADE MARKED IN ACCORDANCE WITH "PRODUCT STANDARD PS-1-95 FOR SOFTWOOD" OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH UBC STANDARD 25-9.
- A. HEADERS- HEM FIR STUD GRADE OR BETTER.
- B. PLATELS- HEM FIR STUD GRADE OR BETTER.
- C. BLOCKING- HEM FIR STUD GRADE OR BETTER.
- D. SILL- LUMBER IN CONTACT WITH CONCRETE, MASONRY OR EARTH- BENELOCK FIR PRESURE TREATED WITH WOLMAN SALTS, TANALITH U OR CHROMATE COPPER ARSINIC, GRADE - 24x, NO. 2 GRADE - 24x, CUT ENDS OFFERED IN PRESERVATIVE.
- E. PLYWOOD ROOF DECKING- APA C-D GRADE, GROUP 1, EXPOSURE 1 WITH EXTERIOR GLUE, ON OVERHANGS, C-C PLUGGED AND TOUCH SANDED.

F. PLYWOOD FLOOR DECKING- APA STURD-I-FLOOR 48" O.C. 1-1/8" TORX OR SHROUDED

- G. EXTERIOR SIDING/SHEATHING- APA TYPE 303, EXTERIOR, M.D.O. 5/8" O.C. SIDING, SHEATHING 1/2" CDX.
- H. STUDS AND POSTS- HEM FIR STUD GRADE.
- I. FASTENERS- ALL NAILS SHALL BE CORROSION RESISTANT PER UBC STANDARD 200A.4.
- J. BUILDING TRIM- 1x RESAWN SELECT H.F. OR MASONITE.
- K. DOOR SWEEP TRIM- 1x RESAWN H.F.

3. 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 C.C.R. - TABLE 23-II-B-1.
- C. EXTERIOR WALLS- FACTORY FABRICATED, CAULKING PROVIDED BETWEEN PERIMETER OF WALLS AND STRUCTURAL MEMBERS PROVIDING WEATHERPROOF AND WATERPROOF SEAL. NECESSARY CLOSURES, SEALS, FLASHING PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
- D. MACHINE APPLIED NAILING- SHALL HAVE PRIOR DEMONSTRATION AND APPROVAL BY DSA FIELD INSPECTOR AND THE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUES SATISFACTORY PERFORMANCE.
- E. PLYWOOD SHALL HAVE A MINIMUM THICKNESS OF 3/8". IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
- F. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING.
- G. RETIGHTEN ALL BOLTS BEFORE CLOSING IN.
- H. THE DESIGN MOISTURE CONTENT OF LUMBER IS 19% OR LESS BEFORE FABRICATION. OTHER REVISION THRU CHANGE ORDER WILL BE REQUIRED.

SECTION 7B SHEET METAL

1. SCOPE OF WORK

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.

2. MATERIALS

- A. SHEET METAL- STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A123.
- B. SOLDERS- OF STANDARD BRAND, GRADE A OF EQUAL PARTS LEAD AND TIN ASTM B32.
- C. FLUX- ZINC SATURATED MURATIC ACID.

3. WORKMANSHIP

- SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES.
- FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT COMPLETELY PROTECTS THE ERECTION AND CONSTRUCTION TO THE ADJACENT WORK AND FINISHES WATER AND WEATHER TIGHT.

SECTION 7J SEALANT

1. SCOPE OF WORK

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO SEAL THE BUILDINGS.

2. MATERIALS

- "VULKEM" SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL OR APPROVED EQUAL, TO BE USED @ ALL STANDING SEAM ROOFING DETAIL.
- SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATER TIGHT, IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.

SECTION 8B HOLLOW METAL DOORS & FRAMES

1. SCOPE OF WORK

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS & FRAMES.

2. MATERIALS

- A. DOORS- TYPE I FULL FLUSH INSULATED, MANUFACTURED BY "STEELCRAFT" MANUFACTURING COMPANY OR APPROVED EQUAL, 18 GA. 1-3/4" B. FRAMES- 16 GA. COLD ROLLED 2" FACES.

SECTION 8D FINISH HARDWARE

1. SCOPE OF WORK

- CONTRACTOR SHALL SUPPLY AND INSTALL HARDWARE AS SPECIFIED AND AS REQUIRED.

2. DOOR SCHEDULE- SEE SHEET G-2

3. SPECIAL REQUIREMENTS

- A. CLOSURE FOR EXTERIOR DOORS SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 5 LBS.
- B. HANDLES ARE NOT WANTED UNLESS OPERABLE WITH A SINGLE EFFORT USING LEVER HANDLE.
- C. HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE FINISHED FLOOR.
- D. ALL EXIT DOORS SHALL BE OPEN ABLE FROM INSIDE WITHOUT ANY EFFORT, SPECIAL TOOL, OR KNOWLEDGE.

SECTION 9E PAINTING

1. SCOPE OF WORK

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDINGS, ALL EXPOSED SURFACES OF BUILDING AND RAMP SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS.

2. MATERIALS

- A. EXTERIOR WOOD- VISTA BRAND 4100 PRIMER, 6000 FINISH, (OR EQUAL).
  - B. INTERIOR TRIM- VISTA BRAND 7000 FINISH, (OR EQUAL).
  - C. METAL- VISTA BRAND 7000 FINISH, (OR EQUAL).
- A. EXTERIOR- WOOD SIDING, TRIM AND SKIRTING- APPLY TWO COATS OF EXTERIOR FLAT ACRYLIC PAINT SPRAYED ON.
  - B. INTERIOR TRIM- TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
  - C. METAL- ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKOY FINISH COAT OVER SHOP COAT.
  - D. RAMP- ONE COAT OF NON-SKID SURFACING.

SECTION 13F SITE ASSEMBLY

1. SCOPE OF WORK

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE.
- THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

2. ASSEMBLY OF ELEMENTS

- A. IN A LOCATION AS DETERMINED BY THE SCHOOL DISTRICT, THE CONTRACTOR SHALL PLACE CONCRETE 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.
- C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTIONS ON THE DRAWINGS, FLASHING, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

SECTION 15A MECHANICAL

1. SCOPE OF WORK

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITION SYSTEM AS SHOWN ON THE DRAWINGS.
- ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.

2. EQUIPMENT- SEE A/C INFORMATION SCHEDULE FOR SIZE AND TYPE

3. WORKMANSHIP

- UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

SECTION 16A ELECTRICAL

1. SCOPE OF WORK

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS, AND DISCONNECTS TO A/C EQUIPMENT.

A. MATERIALS AND WORKMANSHIP

- 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.

- WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT.
- THE CONTRACTOR 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.

B. GENERAL DESIGN REQUIREMENTS

- EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH A METAL IDENTIFICATION TAG 3" x 1 1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:  
A. D.S.A. APPROVAL NUMBER  
B. DESIGN WIND LOAD  
C. DESIGN ROOF LIVE LOAD  
D. DESIGN FLOOR LIVE LOAD  
E. BUILDER'S NAME  
F. PLANT INSPECTOR/D MARK

- EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION 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'-0" WIDE MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE, SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

C. FRAMING, ROOF, WALLS AND FLOOR

- FRAMING MEMBERS SHALL BE OF THE GRADE AND SIZE CALLED FOR ON THE STRUCTURE PLANS.
- D. MOISTURE BARRIER: ALL WEATHER-EXPOSED SURFACES SHALL HAVE A WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING. SUCH BARRIER SHALL BE EQUAL TO THAT PROVIDED FOR IN THE U.B.C. STANDARD NO. 14.1 FOR KRAFT WATERPROOF FELT. BARRIERS SHALL BE FREE FROM HOLES AND BREAKS OTHER THAN THOSE CREATED BY FASTENERS AND CONSTRUCTION SYSTEM DUE TO ATTACHING OF THE BUILDING PANEL.

E. ZBAS

- ALL HORIZONTAL JOINTS IN SIDING SHALL BE PROTECTED BY GALVANIZED "Z BAR- 3/4 x 5/8 x 3/4" FLASHING.
- FLASHING NEED NOT BE USED WHERE SKIRTING MEETS THE UNDERSIDE OF AN EXPOSED METAL FRAME AND THE SKIRTING IS RECESSED SUFFICIENTLY TO PROTECT THE TOP EDGE OF PLYWOOD.

F. ROOF OVERHANG

- ALL OVERHANGS SHALL PRESENT A LEAS AND FINISHED APPEARANCE. SOFFIT MATERIAL, WHEN USED, SHALL BE 3/8" MIN. EXTERIOR SIDING. PLYWOOD SOFFIT MATERIAL SHALL BE APPLIED WITH EXPOSED GRAIN RUNNING PARALLEL TO THE LENGTH OF THE BUILDING. SOFFIT SHALL BE NEATLY AND CLOSELY FITTED AND TRIMMED TO COVER GAPS. ALL EXPOSED SOFFIT AREAS SHALL BE VENTILATED PER THE C.B.C.

G. ENTRY LANDING AND RAMP

- EACH MODULE SHALL HAVE A LANDING(S) AND RAMP(S) TO CONFORM TO TITLE 24, C.C.R. SECTION 1007, THE LANDING(S) AND RAMP(S) STRUCTURE INCLUDING HANDRAIL AND WHEEL GUIDES. PREFABRICATED METAL LANDINGS AND RAMPS SHALL BE BUILT IN SECTIONS THAT ARE DEMOUNTABLE FOR MOVING AND REINSTALLATION AT A NEW SITE. THERE SHALL BE SUFFICIENT CROSS BRACING UNDER THE RAMP SURFACE TO PREVENT BULGE OR OIL DRAINING ON THE RAMP SURFACE. DESIGN SHALL BE SUCH THAT HEIGHT ADJUSTMENT CAN BE MADE AT THE INSTALLATION SITE.

H. ELECTRICAL MATERIALS

- ELECTRICAL WIRING 110V AND GREATER SHALL BE IN CONDUIT SYSTEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF C.E.C. MINIMUM SIZE CONDUIT IS 1/2" MIN.

ACCEPTABLE CONDUIT:

- RIGID ELECTRICAL METALLIC TUBING (EMT); GALVANIZED THIN WALL FLEXIBLE (INTERIOR); GALVANIZED STEEL FLEXIBLE (EXTERIOR); GALVANIZED STEEL WITH FACTORY APPLIED PVC

- ALL CONDUITS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND SHALL BE SECURED IN CONFORMANCE WITH C.E.C. FIELD BENDS SHALL BE AVOIDED WHEREVER POSSIBLE. WHERE BENDS MUST BE MADE, USE AN APPROPRIATE "HICKEY" OR BENDING MACHINE. REAM AND DEBUR ALL CONDUIT PRIOR TO INSTALLATION AND TERMINATE IN APPROPRIATE BUSHINGS OR CONNECTORS. WACKET WIRING SHALL BE #14 MIN. COPPER TYPE TW, TRW, THHN AS APPLICABLE.

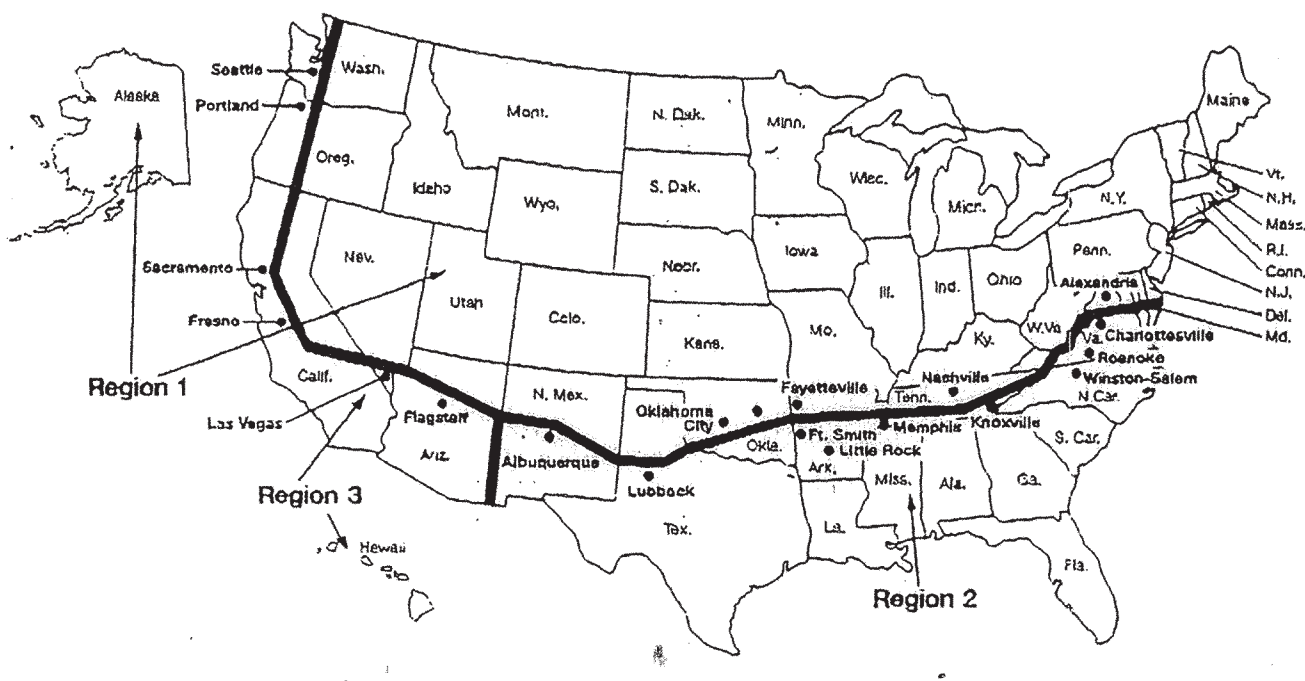
- CONDUIT FILL SHALL NOT EXCEED REQUIREMENTS OF C.E.C. A SEPARATE GROUNDING CONDUCTOR SHALL BE PULLED THROUGHOUT THE ENTIRE SYSTEM. CARE SHALL BE TAKEN TO AVOID DAMAGE TO WIRE OR INSULATION DURING PULLING. POWDERED SOAPSTONE OR A PULLING COMPOUND SUCH AS "YELLOW 77" LUBRICANT MAY BE USED IF NECESSARY.

GENERAL NOTES:

- ALL WORK TO BE IN ACCORDANCE WITH REQUIREMENTS OF CALIFORNIA BUILDING CODE, TITLE 24, PART 2.3, 4.5, 9 AND TITLE 24, PART 1, GROUP 1. A COPY OF THESE REGULATIONS SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
- PLANS AND SPECIFICATIONS: CHANGES IN PLANS AND SPECIFICATIONS SHALL BE MADE BY THE ADDENDUM OR CHANGE ORDER, SIGNED BY THE ARCHITECT AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE ANY RELATED WORK CAN BEGIN. CHANGE ORDERS SHALL ALSO BE SIGNED BY THE OWNER PRIOR TO APPROVAL BY DSA.
- TESTING: TESTS OF MATERIALS SHALL BE BY A PERSON OR TESTING LABORATORY SELECTED BY THE OWNER WITH THE APPROVAL OF DSA AND ARCHITECT. THE OWNER SHALL BE RESPONSIBLE FOR THE COST OF TESTING, EXCEPT FOR THE RETESTING REQUIRED BY THE FAILURE OF ANY MATERIAL TO PASS.
- ERECTION AT THE SITE: THE BUILDING SHALL BE TRANSPORTED, ERECTED AND SET ON FOUNDATION AS REQUIRED BY A LICENSED TRANSPORTER. ALL REQUIRED FINISH WORK SHALL BE COMPLETED BY SKILLED LABOR OF THE MANUFACTURER/CONTRACTOR, BUT WILL NOT INCLUDE UTILITIES SERVICE CONNECTION.
- SITE WORK: THE OWNER, UNLESS OTHERWISE SHOWN ON THE APPROVED PLANS, WILL PROVIDE SITE(S) SATISFACTORY TO THE ARCHITECT OR ENGINEER FOR THE INSTALLATION OF THE RELOCATABLE BUILDING(S) THAT ARE LEVEL AND HAVE STABLE SOIL CONDITIONS WITH ADEQUATE ADDITIONAL GRADING AND/OR LEVELING IS NECESSARY FOR PROPER INSTALLATION OF MODULAR UNITS. THE ADDITIONAL CHARGE WILL BE THE RESPONSIBILITY OF THE OWNER.
- UTILITIES: THE OWNER WILL BE RESPONSIBLE FOR ANY AND ALL UTILITY, FIRE ALARM OR SPECIAL ELECTRICAL SIGNAL SYSTEM CONNECTIONS EXCEPT IF DESIGNATED IN THE CONTRACT DOCUMENTS AS THE RESPONSIBILITY OF THE MANUFACTURER/CONTRACTOR.
- FIRE EXTINGUISHER: UL2A-100C, SPECIFICATION TYPE MAX. 48" TO EXTINGUISHER HANDLE - SEE PRESSION SHEET.
- BUILDING INSULATION: SHALL COMPLY WITH CALIFORNIA QUALITY STANDARDS FOR INSULATING MATERIAL. FLAME SPREAD - MAX. 25, SMOKE DEVELOP - MAX. 450 C.B.C. SEC. 1510. SEE SPECIFICATION SHEET.
- GRID CEILING: SUSPENDED T-BAR SYSTEM WITH LAY-IN PANELS. EMERGENCY WARNING SYSTEMS ARE REQUIRED. THEY SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNING SHALL HAVE A FREQUENCY OF NOT MORE THAN 60 FLASHERS PER MINUTE BY D.S.A.  
(A) LOCATE PER CFC 1006.2.4
- ALARMS- SECTION 1006.2.4, CALIFORNIA FIRE CODE.

- GROUNDING OF BUILDING COMPONENTS: 1. THE OWNER, UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS, SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY GROUNDING OF THE BUILDING ELECTRICAL SYSTEM PER CEC 250-50, 250-52 AND 250-56. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY GROUNDING OF THE METAL PORTION BUILDING COMPONENTS (METAL FRAMED STEEL RAMP, ETC.) TO MEET THE REQUIREMENTS OF IIR NO. 16-1, ISSUED BY D.S.A. 3. THE PROJECT INSPECTOR SHALL WITNESS AND VERIFY THE GROUNDING TESTS.

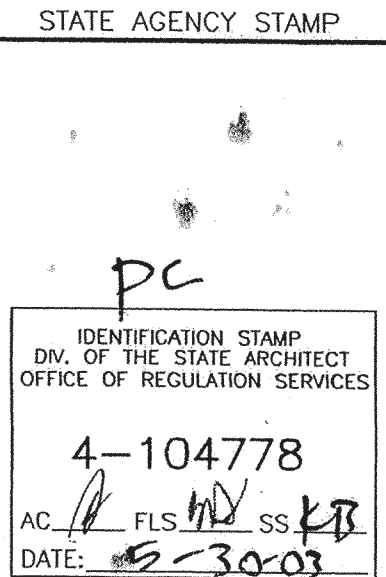
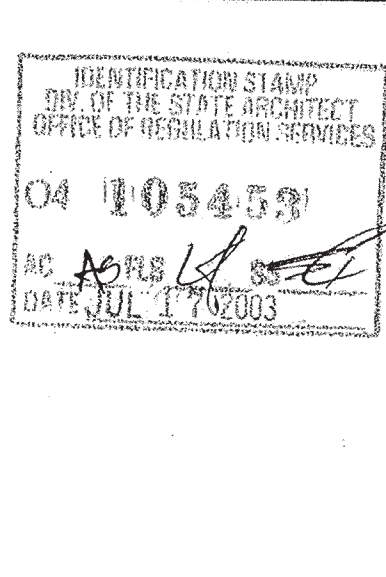
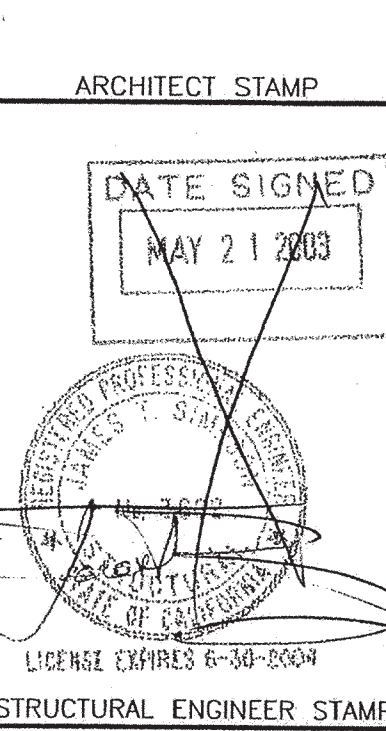
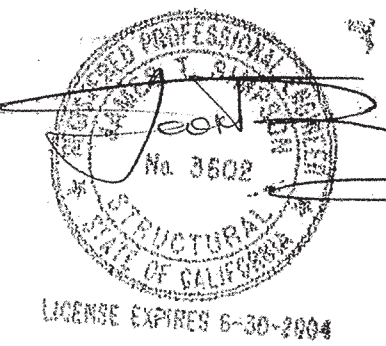
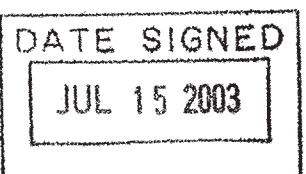
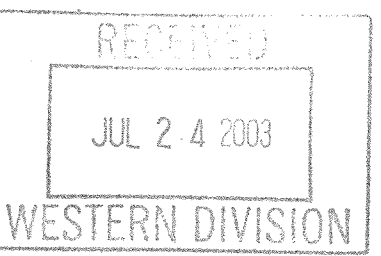
- MECHANICAL 1. FACTORY-MADE AIR DUCTS: FACTORY-MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF C.H.C. STANDARD NO. 10-1. EACH PORTION OF A FACTORY-MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE WITH C.H.C. STANDARD NO. 10-1 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING. 2. INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN BUILDINGS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE DENSITY OF NOT MORE THAN 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVES AS NORMALLY APPLIED. 3. MATERIAL EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME-SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE-DEVELOPMENT RATING OF NOT MORE THAN 50. 4. AIR FILTERS: AIR FILTERS SHALL BE LISTED UNITS PER U.F.C. STANDARD NO. 9-E. AIR FILTERS SHALL COMPLY WITH ALL REQUIREMENTS OF STATE STANDARD NO. 12-71-1. 5. PIPE AND TUBING: INSULATION AND COVERING ON PIPE AND TUBING SHALL HAVE A FLAME SPREAD-RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH C.B.C. SECTION 707.2



JOHNS MANVILLE BUILT-UP ROOFING  
REGION 1, REGION 2 + REGION 3



PHONE: (909) 788-3035 FAX: (909) 788-1533  
300 STRUBBS AVE. RIVERSIDE, CALIFORNIA 92507



PROJECT: MODULAR CLASSROOM BUILDING  
TITLE: GENERAL NOTES & SPECIFICATIONS

DATE: 12-1-02  
DRAWN BY: RDL  
SCALE: AS NOTED  
APPROVED:

REVISIONS:

SHEET NO. G-1

CONSTRUCTION NOTES & MATERIALS:

**CHASSIS CONSTRUCTION:** CHECK ONE  
 BOX SIZE: 12'x40'  
 FRAME: PERIMETER  
 MAIN RAFTERS: 7"x9.8" C-CHANNEL @ PLYWOOD FLOOR  OR  
 10"x15.3" C-CHANNEL @ CONCRETE FLOOR   
 NO. OF AXLES: --  
 REFERENCE DETAIL SHEET: --  
 MISC: --

**FLOOR FRAMING:** CHECK ONE  
 FLOOR LOAD: 50 PSF  50+20 PSF  100 PSF  125 PSF   
 JOIST SIZE & GRADE: 7"x11 GA. Z-MEMBER @ PLYWOOD FLOOR  OR  
 6"x8.2 C-CHANNEL @ CONCRETE FLOOR   
 JOIST SPACING: SEE CHART ON FLOOR FRAMING PLAN 48" O.C.  
 INSULATION: R-11 UNFACED  OR R-19 UNFACED   
 BOTTOM ENCLOSURE: CANVEX CW-600  
 FLOOR DECK: PLYWOOD DECKING  OR LIGHTWEIGHT CONCRETE   
 REFERENCE DETAIL SHEET: --  
 MISC: --

**EXTERIOR WALLS WOOD STUD OPTION:** CHECK ONE  USED  NOT USED  
 WIND LOAD: 80 MPH EXP. C  OR 90 MPH EXP. C   
 STUD SIZE & GRADE: 2"x4" H.F. #2  OR 2"x6" H.F. #2   
 SPACING: 16" O.C.  
 SIDE WALL HEIGHT: 9'-0"  
 INSULATION: R-13 UNFACED  OR R-19 UNFACED   
 FIRE RESISTIVE CONSTRUCTION: --  
 REFERENCE DETAIL SHEET: --  
 MISC: --

**EXTERIOR WALLS STEEL STUD OPTION:** CHECK ONE  USED  NOT USED  
 WIND LOAD: 80 MPH EXP. C  OR 90 MPH EXP. C   
 STUD SIZE & GRADE: 3 1/2" x 20 GAUGE  OR 5 1/2" x 20 GAUGE   
 SPACING: 16" O.C.  
 SIDE WALL HEIGHT: 9'-0"  
 INSULATION: R-13 UNFACED  OR R-19 UNFACED   
 FIRE RESISTIVE CONSTRUCTION: --  
 REFERENCE DETAIL SHEET: --  
 MISC: --

**EXTERIOR WALL SIDING:** CHECK ONE  
 5/8" THK. DURATEMP APA RATED GROOVED @ 8" O.C.   
 1/2" CDX PLYWOOD W/ STUCCO ON-SITE   
 REFERENCE DETAIL SHEET: FOR STUCCO SIDING SEE DETAILS #16 & #17 SHEET G-4  
 MISC: I.C.B.O.# FOR DURATEMP SIDING (ER-4856)

**INTERIOR WALLS:** CHECK ONE  
 STUD SIZE & GRADE: 2"x4" H.F. #2  OR 3 1/2" x 20 GAUGE STEEL STUDS   
 STUD SPACING: 16" O.C.  
 PARTITION HEIGHT: TO RAFTERS  OR BELOW RAFTERS   
 INSULATION: YES  OR NO   
 FIRE RESISTIVE CONSTRUCTION: --  
 REFERENCE DETAIL SHEET: --  
 MISC: --

**ROOF DETAILS:**  
 TYPE OF DRAIN SYSTEM: 26 GA. CUTTERS AND DOWN SPOUTS  
 REFERENCE DETAIL SHEET: --  
 MISC: --

**ROOF FRAMING:** CHECK ONE  
 ROOF LOAD: 20 PSF  OR 30 PSF   
 RAFTER SIZE/GRADE: 6"x2"x14 GA. Z-MEMBER  OR 7"x1 1/2"x11 GA. Z-MEMBER   
 RAFTER SPACING: 48" O.C.  
 INSULATION: R-19 UNFACED  OR R-30 UNFACED   
 FINISH ROOFING: 22 GAUGE GALV. STANDING SEAM ROOF   
 26 GAUGE GALV. STANDING SEAM ROOF   
 BUILT-UP 3-PLY ROOFING  EPDM W/ 1/4" DENSDECK UNDERLAYMENT   
 ROOF SHEATHING: 3/4" C-D PLYWOOD @ NON 22 GAUGE ROOFING  
 ROOF SLOPE: 1/4" PER 12" DOUBLE SLOPE  
 REFERENCE DETAIL SHEETS: --  
 DRAFT STOP CONSTRUCTION: --  
 ROOF MOUNT HVAC: CHECK ONE  YES  NO  
 MISC: --

**STEEL COLUMNS:** CHECK ONE  
 CORNER COLUMNS: 3 1/2"x3 1/2"x1/4"  OR 4"x4"x1/4"   
 MIDSPAN COLUMN @ SIDEWALL: N/A  
 STEEL POST HEIGHT: 9'-0"  
 REFERENCE DETAIL SHEET: --  
 MISC: (NOTE: THE STEEL POST HEIGHT IS FROM TOP OF FLOOR TO BTM. OF SIDEWALL BEAM/HEADER.)

**TRUSS TYPE 20 PSF ROOF LOAD:** YES  OR NO   
 SIDEWALL BEAM TYPE: 18/23/18x3 1/2"x10 GA. CHANNEL @ DOUBLE SLOPE OR  
 18/28x3 1/2"x10 GA. CHANNEL @ SINGLE SLOPE  
 ENDWALL HEADER: 18 x 3 1/2" x 12 GA. CHANNEL @ DOUBLE SLOPE AND  
 18 x 20" x 3 1/2" x 12 GA. CHANNEL @ HIGH SIDE OF SINGLE SLOPE  
 TRUSS CONFIGURATION @ MOULINE: DOUBLE SLOPE  OR SINGLE SLOPE   
 TOP CHORD: L 3"x3"x3/8"  
 BOTTOM CHORD: L 3"x3"x3/8"  
 WEBS: L 2"x2"x3/16" @ 1ST TWO BAYS, L 1 1/2"x1 1/2"x3/16" @ ALL OTHERS  
 OVERHANGS: 5'-0" @ FRONT & 2'-0" @ REAR  
 OVERHANG MATERIAL: L 4"x3"x3/8"  OR 10"x3"x12 GAUGE C-CHANNEL   
 SOFFITS: OPEN SOFFITS  OR CLOSED SOFFITS   
 REFERENCE DETAIL SHEET: --  
 MISC: --

**TRUSS TYPE 30 PSF ROOF LOAD:** YES  OR NO   
 TRUSS CONFIGURATION: DOUBLE SLOPE  OR SINGLE SLOPE   
 SIDEWALL BEAM TYPE: 18/23/18x3 1/2"x10 GA. CHANNEL @ DOUBLE SLOPE OR  
 18/28x3 1/2"x10 GA. CHANNEL @ SINGLE SLOPE  
 ENDWALL HEADER: 18x3 1/2" x 12 GA. CHANNEL @ DOUBLE SLOPE AND  
 18x28x3 1/2"x12 GA. CHANNEL @ HIGH SIDE OF SINGLE SLOPE  
 TRUSS TOP CHORD: L 4"x3"x3/8"  
 TRUSS BOTTOM CHORD: L 4"x3"x3/8"  
 TRUSS WEBS: L 2"x2"x3/16" @ 1ST TWO BAYS, L 1 1/2"x1 1/2"x3/16" @ ALL OTHERS  
 OVERHANGS: 5'-0" @ FRONT & 2'-0" @ REAR  
 OVERHANG MATERIAL: L 4"x3"x3/8"  OR 10"x3"x12 GAUGE C-CHANNEL   
 SOFFITS: OPEN SOFFITS  OR CLOSED SOFFITS   
 REFERENCE DETAIL SHEET: --  
 MISC: --

**SITE CONDITIONS:** CHECK ONE  
 FOUNDATION TYPE: WOOD PAD  OR CONCRETE   
 FLASHING REQUIRED: CONCRETE FLUSH W/ GRADE  OR CONCRETE ABOVE W/ GRADE   
 RAMP & LANDING: SEE FLOOR PLAN FOR RAMP AND LANDING  
 SIGHTING REQUIRED: YES  OR NO  ROUGH SAWN 1-11 UNGROOVED  
 FEATURE MOUNTING HEIGHTS: ADULT HEIGHT  ELEMENTARY  KIDDIE   
 MISC: --

**ON-SITE SCOPE OF WORK:**  
 1. ALL UNDER FLOOR PLUMBING FURNISHED AND INSTALLED ON-SITE.  
 2.  
 3.  
 4.  
 5.

**VARIABLE MATERIAL SPECIFICATIONS:**  
**ROOFING:**  
 FIRE RATED PER UBC STANDARD 15-2 CLASS 'A'  
 BASE SHEET FINISHED GRADE 25-30# ASPHALT COATED  
 MULTI-LAYER EPDM MEMBRANE ROOFING SYSTEM:  
 (ETHYLENE-PROPYLENE-DIENE TERPOLYMER MEMBRANE)  
 ADHESIVELY OR MECHANICALLY ATTACHED OVER INSULATED,  
 COMBUSTIBLE OR NON-COMBUSTIBLE DECKS, CLASS 'A'.  
 THE EPDM MEMBRANE ARE SYNTHETIC RUBBER SINGLE-PLY  
 SHEETS HAVING A MIN. NOMINAL THICKNESS OF 45 MILS (1.1 MM).  
 INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS.  
 (I.C.B.O.# ER-5867)  
 1/4" DENS-DECK ROOF BOARD:  
 USED AS A UNDERLAYMENT FOR THE EPDM MEMBRANE ROOFING  
 SYSTEM. FLAME SPREAD: 0, SMOKE DEVELOPED: 0 PER ASTM E 84.  
 INSTALL PER ROOFING MANUFACTURER INSTALLATION INSTRUCTIONS.  
**WINDOWS:**  
 HORIZONTAL SLIDING, 50% VENTING, ANODIZED ALUMINUM FRAME.  
 PERFORMANCE RATED PER AAMA C501-88 FOR COMMERCIAL USE AND  
 MEDIUM EXPOSURE. NAIL-ON FIN FASTENED DIRECTLY TO FRAMING AND  
 BEHIND SIDING MATERIAL. REMOVABLE SCREEN AT VENT SASHES.  
 LAMINATED OR TEMPERED GLAZING TO BE NOTED ON FLOOR PLAN.  
 DUAL GLAZED WINDOWS TO HAVE MINIMUM 1/4" AIR SPACE AND 1/8"  
 CLASS (SEE WINDOW SCHEDULE FOR SIZES)  
**INTERIOR WALL COVERINGS:**  
 APPLIED OVER MINIMUM 1/2" GYPSUM BOARD, OR MINIMUM 3/8"  
 (ORIENTED STRAND BOARD. EXPOSED SURFACES FIRE RATED PER  
 ASTM E-84, FLAME SPREAD MAXIMUM 200, SMOKE DEVELOPED MAXIMUM  
 450. (PROVIDE FIRE BLOCKING WHEN 3/8" OSB IS USED AS  
 BACKING MATERIAL)  
 TACKBOARD: VINYL WALL COVERING TO BE CLASS I DOMTAR GYPSUM  
 OR EQUAL, LAMINATED ONTO 1/2" INDUSTRIAL INSULATION  
 BOARD, 4'-0"x8'-0", LONG EDGES BEVELED.  
 FLAME SPREAD = 85  
 SMOKE DENSITY = 175  
 FRP: FIBERGLASS REINFORCED PLASTIC PANELS, 4'-0"x8'-0",  
 WITH COLOR MATCHED PVC MOLDINGS OVER 1/2" GYPSUM  
 BOARD AND SMOKE DEVELOPMENT, CLASS I, PER ASTM E84  
 SMOKE DENSITY NOT TO EXCEED 450. FLAME SPREAD NOT TO EXCEED 200  
 CEILING TYPE:  
 SUSPENDED SYSTEM, PERFORMANCE RATED ASTM C635 HEAVY DUTY  
 ACOUSTIC LAY-IN CEILING PANELS  
 LIGHT REFLECTIVE (LR-1), FIRE RATED CLASS-A PER ASTM E84.  
 VINYL FACED FIBERGLASS, 5/8" THICK, ARMSTRONG OR EQUIV.  
 CLASS A, FLAME SPREAD 25 (UL LABELLED) PER ASTM E 1264  
 CARPET:  
 DIRECT GLUE-DOWN, PERFORMANCE RATED PER STATE OF CALIFORNIA  
 SPECIFICATION 7250-21L-01. (GROUP I, TYPE A, CLASS 24) 4600 MN.  
 DENSITY. THE CARPET IS TO HAVE A MINIMUM CRITICAL FLUX  
 OF .25 WATT/CM.  
**VINYL SHEET FLOORING:**  
 MINIMUM WEAR LAYER .050" THICK, PERFORMANCE RATED PER ASTM  
 F1303-90 TYPE-II, GRADE-I, CLASS-A, AND ASTM F970 125PSI.  
 FIRE RATED PER ASTM E848 FLAMMABILITY CLASS-I, AND ASTM E662  
 SMOKE DENSITY MAX. 450. MIN. COEFFICIENT OF FRICTION TO BE  
 0.5 PER ASTM D2047

VINYL COMPOSITION TILE:  
 12" SQUARE, MINIMUM 1/8" THICK, PERFORMANCE RATED PER ASTM  
 F1066, COMP-1, CLASS-2, AND ASTM F970 75PSI, FIRE RATED PER  
 ASTM E848 FLAMMABILITY CLASS-I, AND ASTM E662 SMOKE DENSITY  
 MAX. 450. MIN. COEFFICIENT OF FRICTION TO BE 0.5 PER ASTM D2047  
 TOP SET BASE:  
 BURKE MOLDED RUBBER 1/8" THICK, 4" HEIGHT, CONV. STYLE  
 #502-P, OR EQUIV.  
 MARKER BOARDS:  
 1/2" PARTICLE BOARD SUBSTRATE, FULL WIDTH MAP RAL W/ CORK  
 INSERT AND SIX MAP HOOKS, EXTRUDED ALUMINUM MOLDING WITH  
 FLAG HOLDER.  
 NOTE:  
 ALL FINISHES SHALL COMPLY WITH CBC CHAPTERS 7 & 8.  
 CFC AND TILE 19 CCR

**INTERIOR FINISH SCHEDULE**

ROOM	FLOOR	BASE	WALLS	CEILING
CLASSROOMS	(BY OTHERS) SHEET VINYL	(BY OTHERS) 6" SELF CONE	1/2" VINYL WRAP TACK BD. OVER 1/2" GYP BD.	ACOUSTICAL TILE IN HEAVY DUTY GRID @ 8'-8"
RESTROOMS				ACOUSTICAL TILE IN HEAVY DUTY GRID @ 8'-0"

NOTE:  
 FINISH WALL COVERING & FINISH CEILING SHALL BE FLAME SPREAD CLASS 1

**WINDOW SCHEDULE**

ROUGH OPENING WIDTH x HEIGHT	WINDOW SIZE	TYPE	FRAME	SCREEN	GLAZING	MANUFACTURE/SERIES/DESCRIPTION
A VERIFY	VERIFY	8'-0"x4'-0"	XDX	CLEAR ANODIZED ALUM. FRAME	YES	46% GREY TINT DUAL GLAZE, HORIZONTAL SLIDER, ALUMINUM FRAMED SCREENS
B						
C						

**DOOR SCHEDULE**

SYM.	WIDTH	HEIGHT	THK.	TYPE	FIRE RATING	FRAME	GLAZING	REMARKS
1	3'-0"	6'-8"	1 3/4"	HOLLOW METAL		16 GA. METAL		18 GA. HOLLOW METAL DOOR
2				SOLID CORE				PRE-FINISHED INTERIOR LEASANT DOOR & FRAME
3								
4								

**HARDWARE GROUP 1**

QTY.	DESCRIPTION	PART NO.
3	HINGES	HAGAR BB1191 4.5"x4.5" NRP
1	LOCKSET, LEVER HANDLE	SCHLAGE D75PD RHODES, 260 FINISH
1	CLOSER, 5 LBS CLOSING PRESSURE	NORTON 1601
1	THRESHOLD	PEMCO 271A
1	DOOR BOTTOM	PEMCO 216AV
1	WEATHERSTRIP	PEMCO 279PAV
1	DOOR STOP	DUALITY 431

**HARDWARE GROUP 2**

QTY.	DESCRIPTION	PART NO.
3	HINGES	HAGAR RC1749 4.0"x4.0" L2
1	PRIVACY LEVER	SCHLAGE D105 RHODES, 260 FINISH

**HARDWARE GROUP 3**

QTY.	DESCRIPTION	PART NO.
3	HINGES	HAGAR BB1191 4.5"x4.5" NRP
1	PANIC HARDWARE	VON DUPRIN SERIES 22 EXIT DEVICE
1	CLOSER, 5 LBS CLOSING PRESSURE	NORTON 1601
1	THRESHOLD	PEMCO 271A
1	DOOR BOTTOM	PEMCO 216AV
1	WEATHERSTRIP	PEMCO 279PAV
1	DOOR STOP	QUALITY 431
1	EXTERIOR TRIM, LEVER HANDLE	VON DUPRIN 230L

**HARDWARE GROUP 4**

QTY.	DESCRIPTION	PART NO.
3	HINGES	HAGAR RC1749 4.0"x4.0" L2
1	PASSAGE LEVER	SCHLAGE D105 RHODES, 260 FINISH

NOTE:  
 PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER, CBC 1007.3.10

DATE SIGNED  
 JUL 15 2003

PROFESSIONAL ARCHITECT  
 STATE OF CALIFORNIA  
 No. 3602  
 LICENSE EXPIRES 6-30-2004

DATE SIGNED  
 MAY 7 2003

PROFESSIONAL ARCHITECT  
 STATE OF CALIFORNIA  
 No. 3602  
 LICENSE EXPIRES 6-30-2004

RECEIVED  
 JUL 24 2003  
 WESTERN DIVISION

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 04 105459  
 AD. NO. 118 4 05  
 DATE JUL 17 2003

STATE AGENCY STAMP

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 4-10478  
 AC. NO. 118 4 05  
 DATE 5-30-03

**MSI**  
 MODULAR STRUCTURES INTERNATIONAL, INC.  
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PROJECT  
 MODULAR CLASSROOM BUILDING  
 TITLE  
 BUILDING SPECIFICATIONS,  
 CONSTRUCTION NOTES & SCHEDULES

DATE 12-1-02  
 DRAWN BY R.D.L.  
 SCALE AS NOTED  
 APPROVED

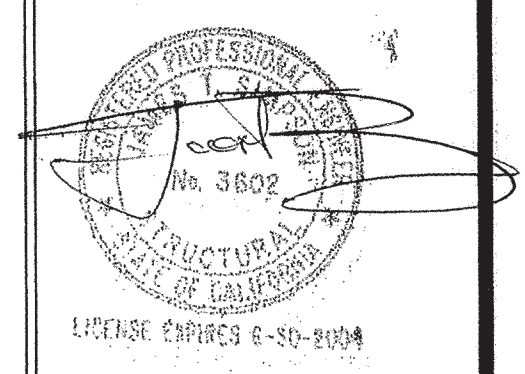
REVISIONS

SHEET NO.  
 G-2

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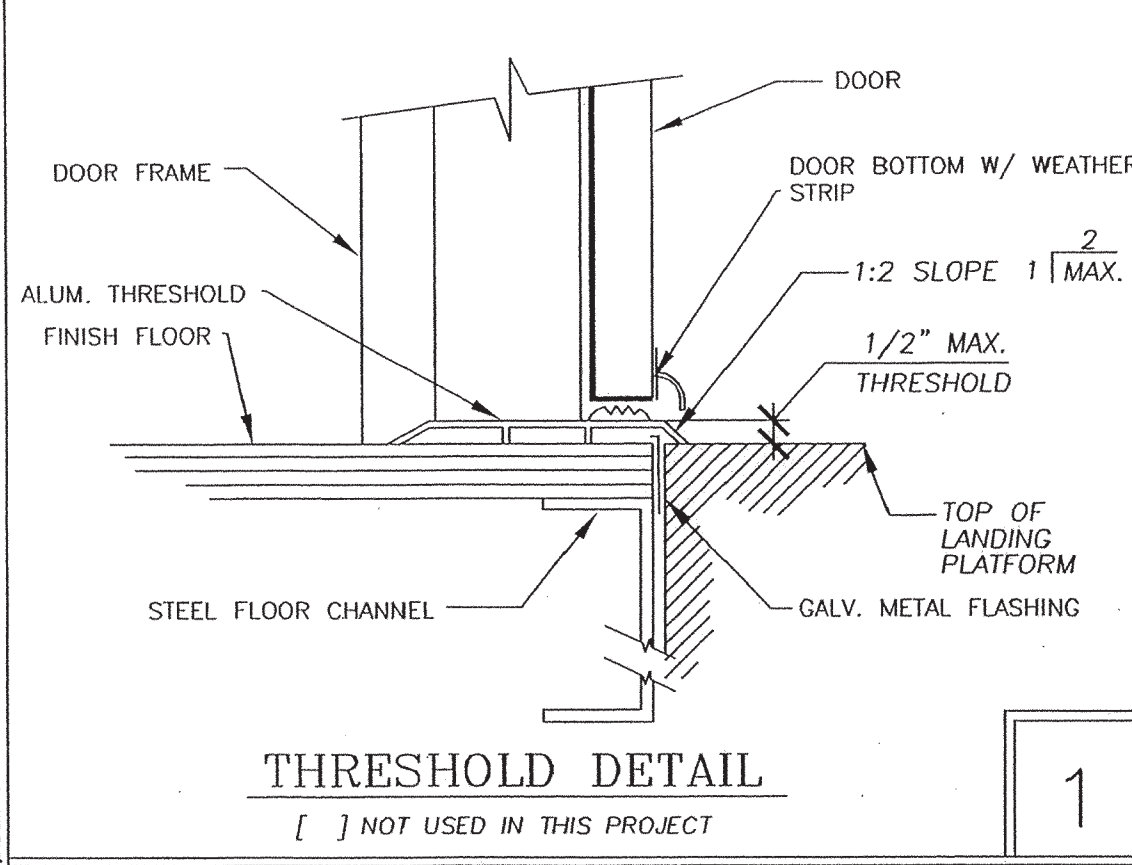
DATE SIGNED  
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PROJECT: MODULAR CLASSROOM BUILDING  
 TITLE: STANDARD ARCHITECTURAL DETAILS  
 JOB #:  
 DATE: 12-1-02  
 DRAWN BY: RDL  
 SCALE: AS NOTED  
 APPROVED:  
 REVISIONS:  
 STATE AGENCY STAMP:  
 IDENTIFICATION STAMP: DIV. OF THE STATE ARCHITECT, OFFICE OF REGISTERED ARCHITECTS, 04 105459, AC RDL, DATE JUL 11 2003, STATE AGENCY STAMP

STATE AGENCY STAMP: 4-104778, AC RDL, DATE 5-30-03, SHEET NO. G-4



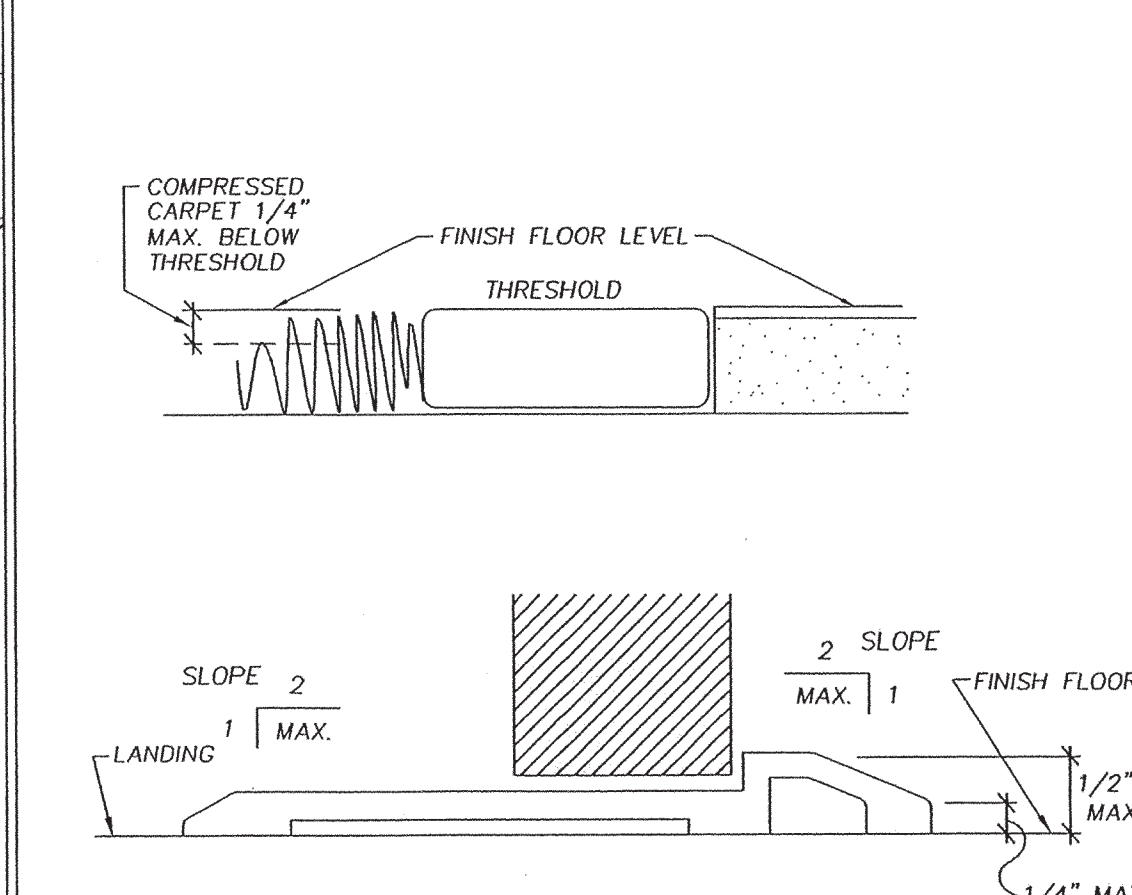
**THRESHOLD DETAIL**  
 [ ] NOT USED IN THIS PROJECT

THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION, NOT AS AN ILLUSTRATION OF A SPECIFIC THRESHOLD MODEL OR TYPE.

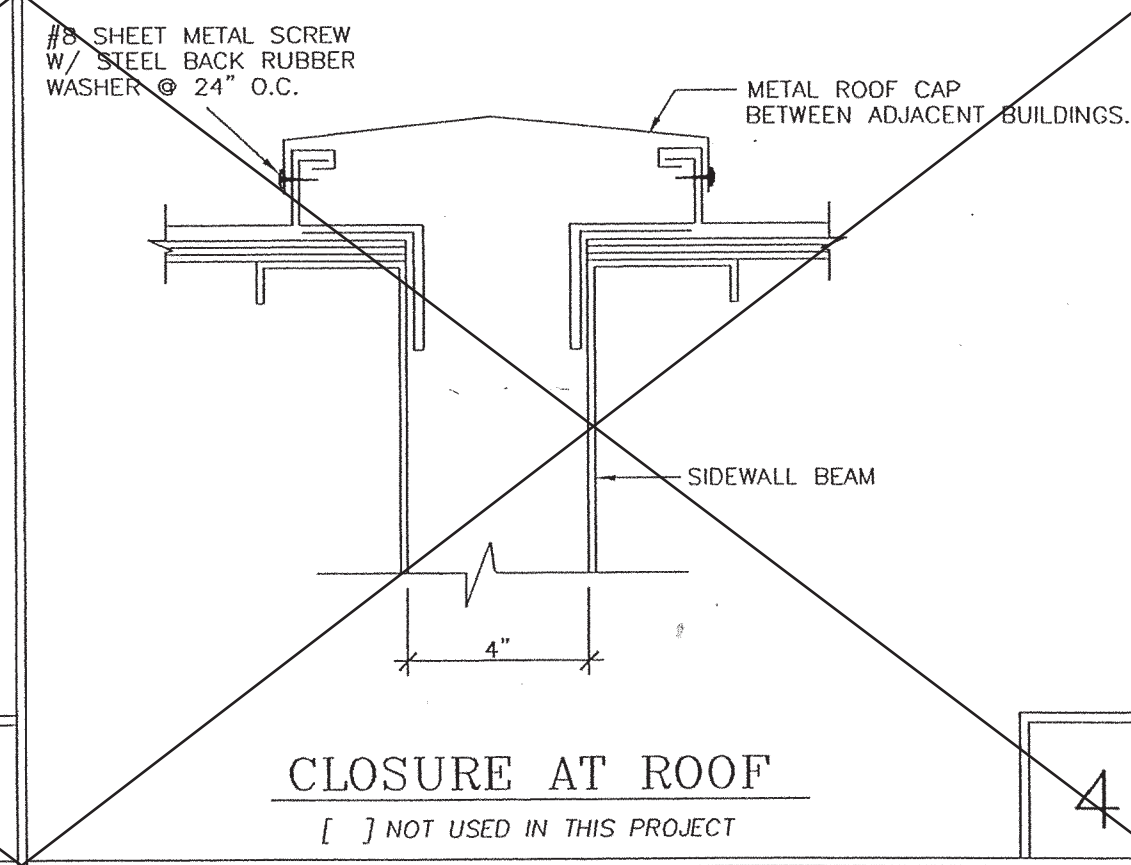
**THRESHOLD - TYPICAL**  
 \*ALL THRESHOLDS TO CONFORM TO DIMENSIONS IN DETAIL #2

DOOR HARDWARE: EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY OTHER SPECIAL KNOWLEDGE OR EFFORT. LATCHING AND LOCKING DEVICES THAT ARE HAND-ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL, SHALL BE OPERABLE WITH A SINGLE-EFFORT BY LEVER HARDWARE (NOT TO EXCEED 8.5 LBS. FOR EXTERIOR DOORS, 5 LBS. FOR INTERIOR DOORS; PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.

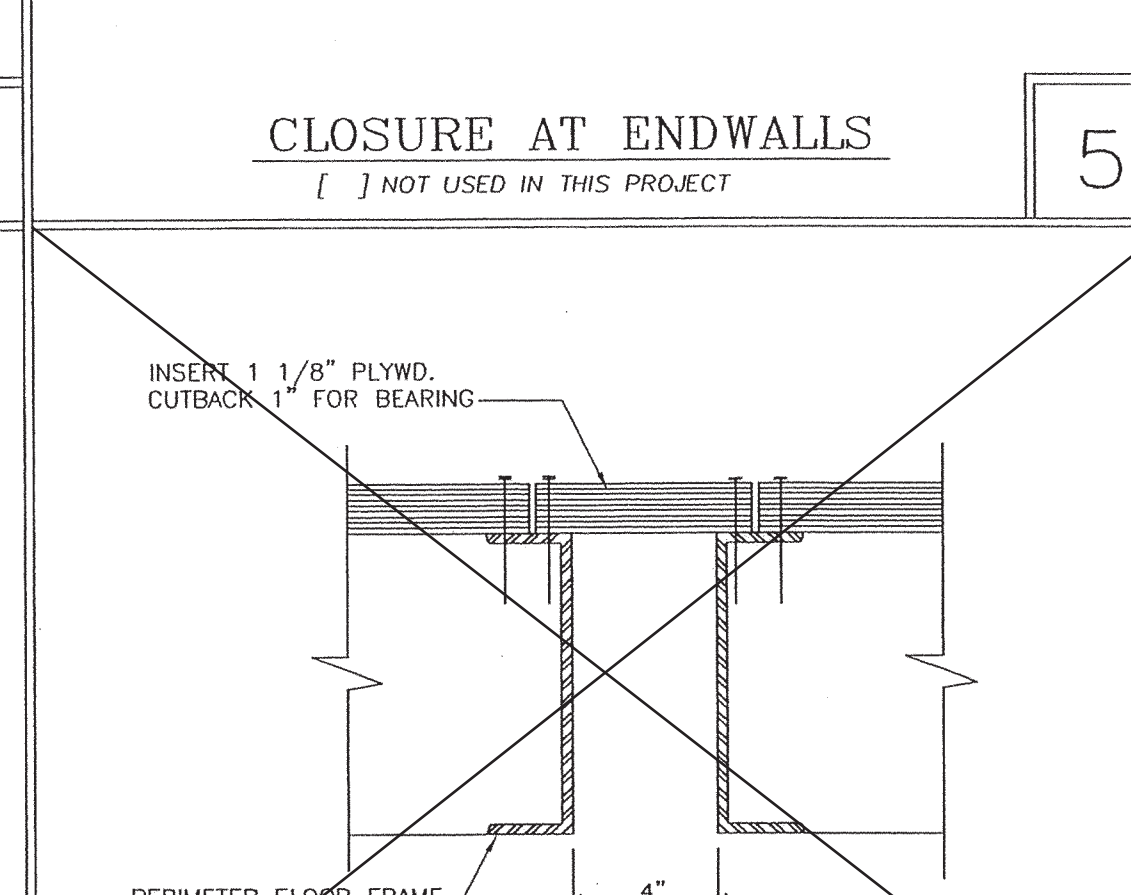
CALIFORNIA BUILDING CODE, SECTION 1004.3, 1004.4



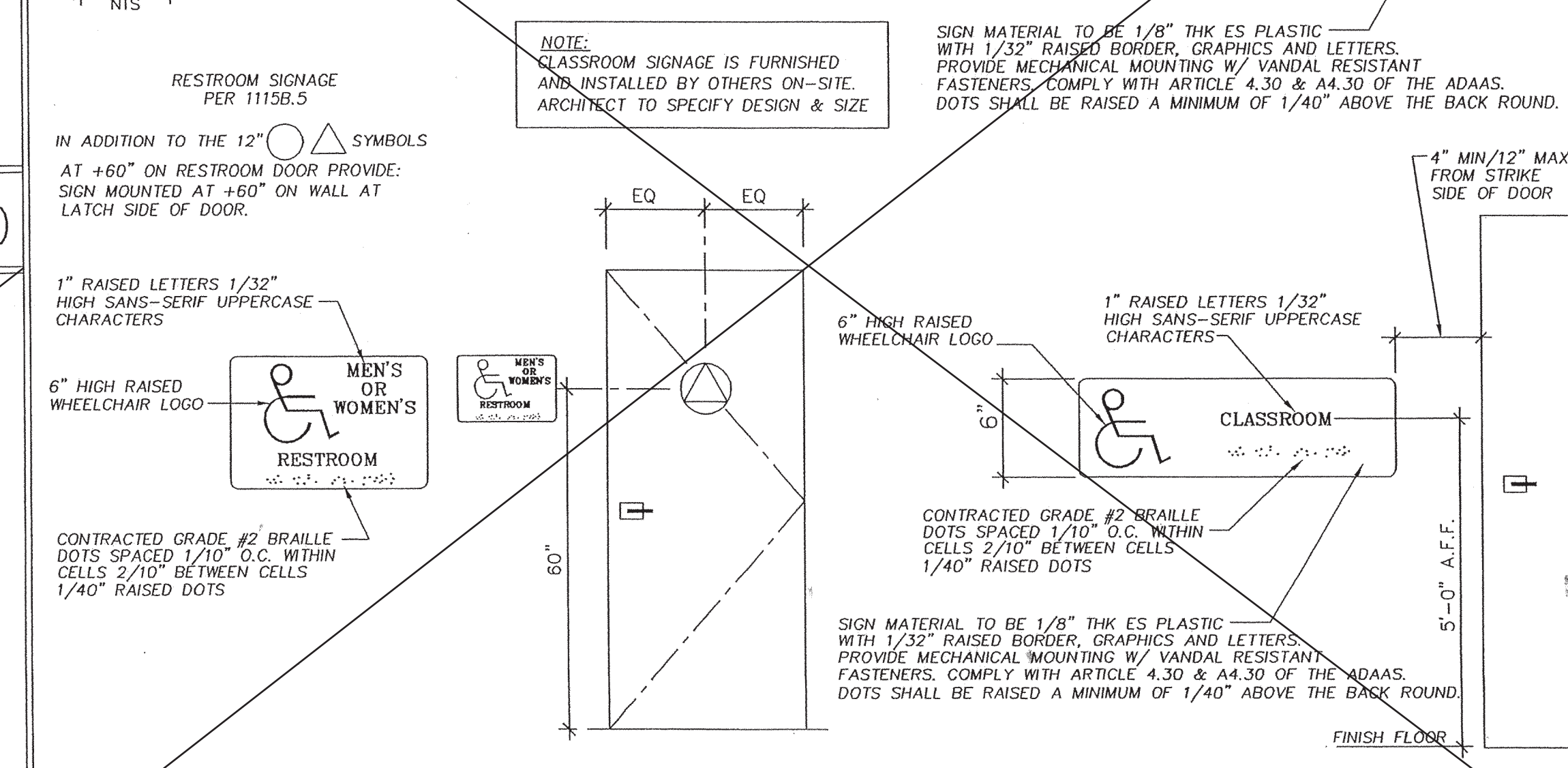
**THRESHOLD DETAIL**  
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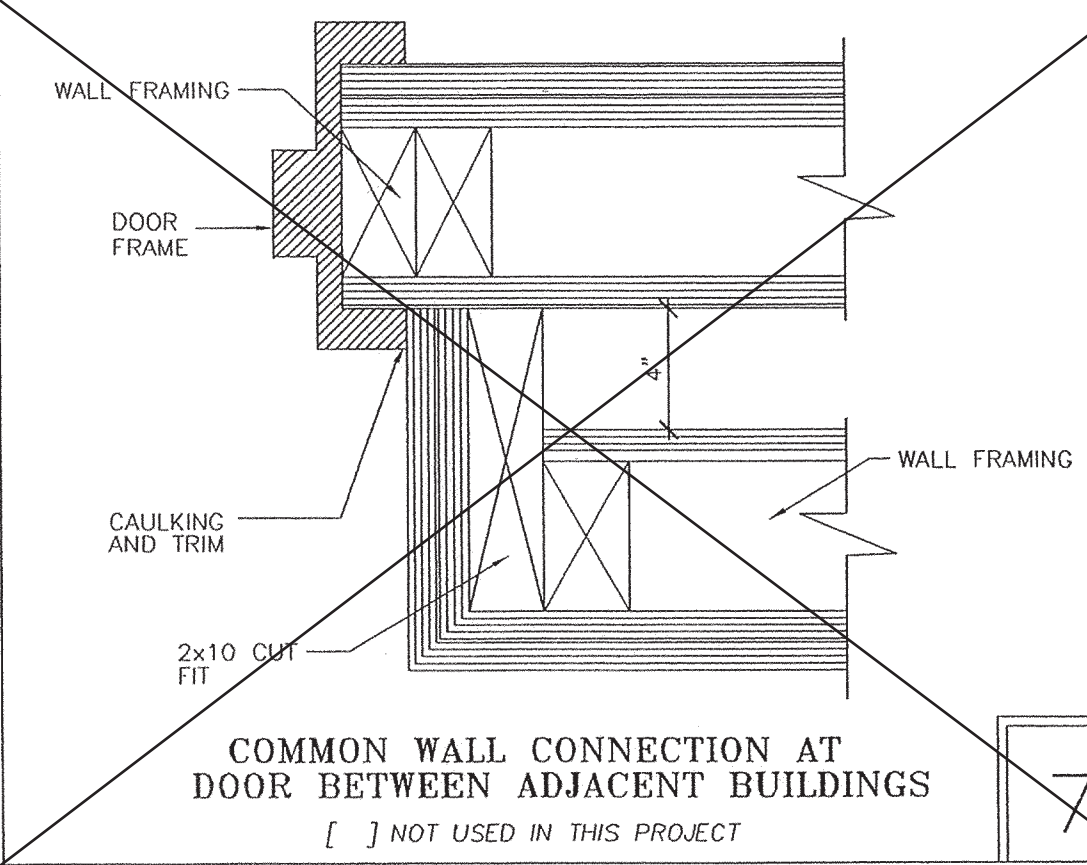
**CLOSURE AT ROOF**  
 [ ] NOT USED IN THIS PROJECT



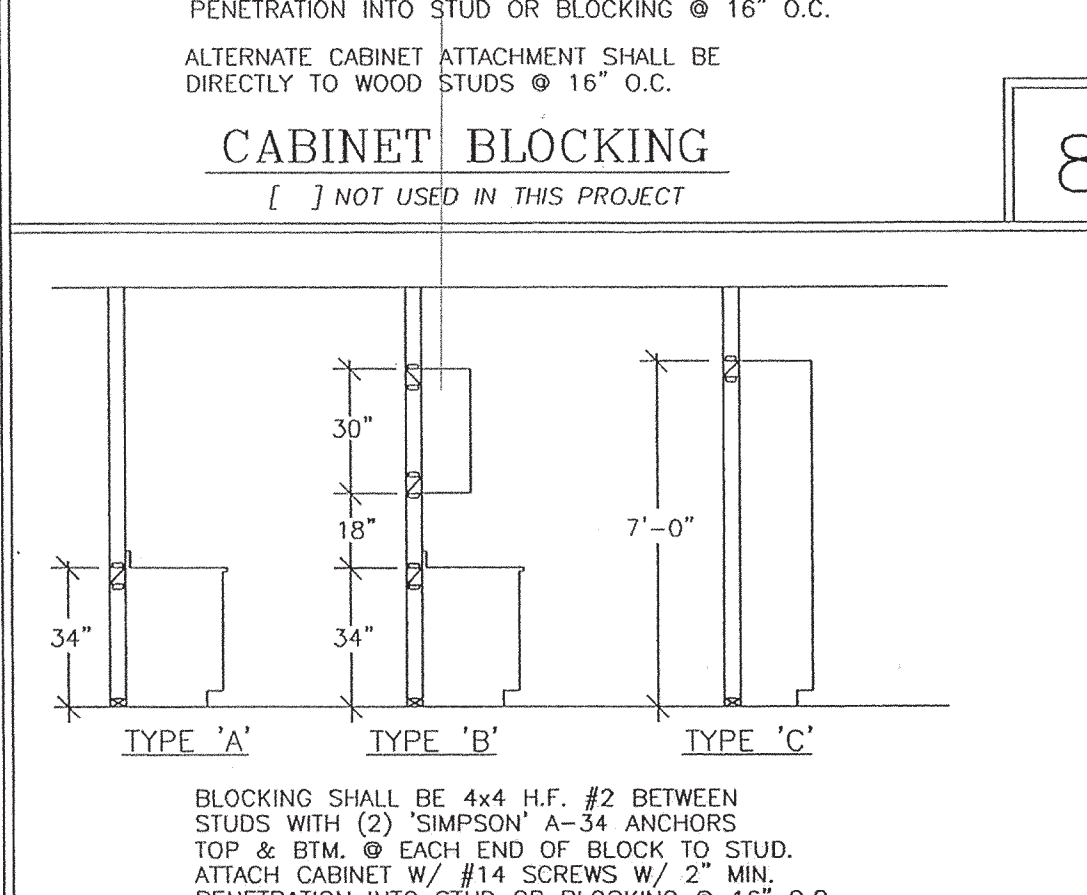
**CLOSURE AT ENDWALLS**  
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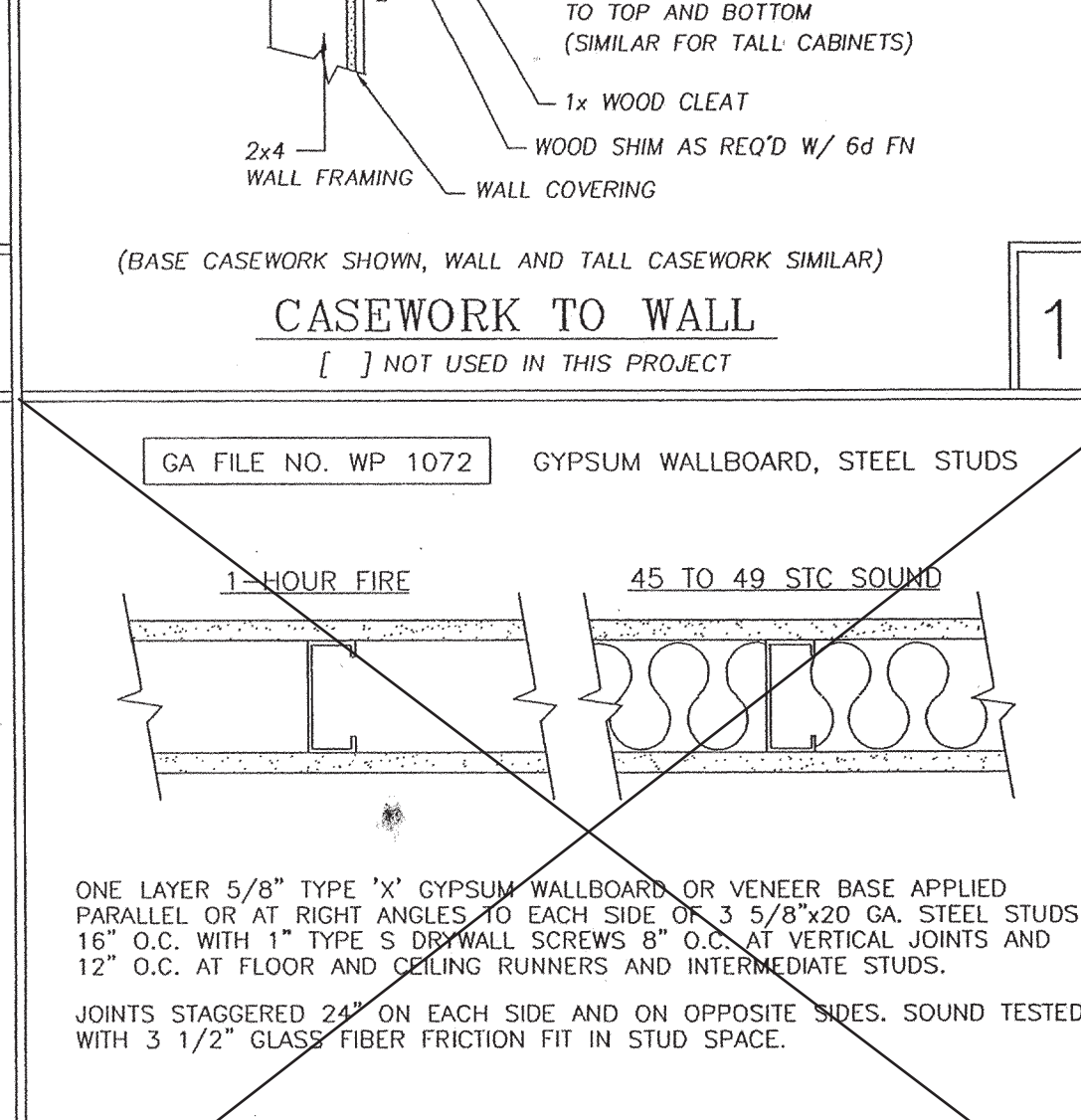
**RESTROOM/ENTRANCE SIGNAGE**  
 [ ] NOT USED IN THIS PROJECT



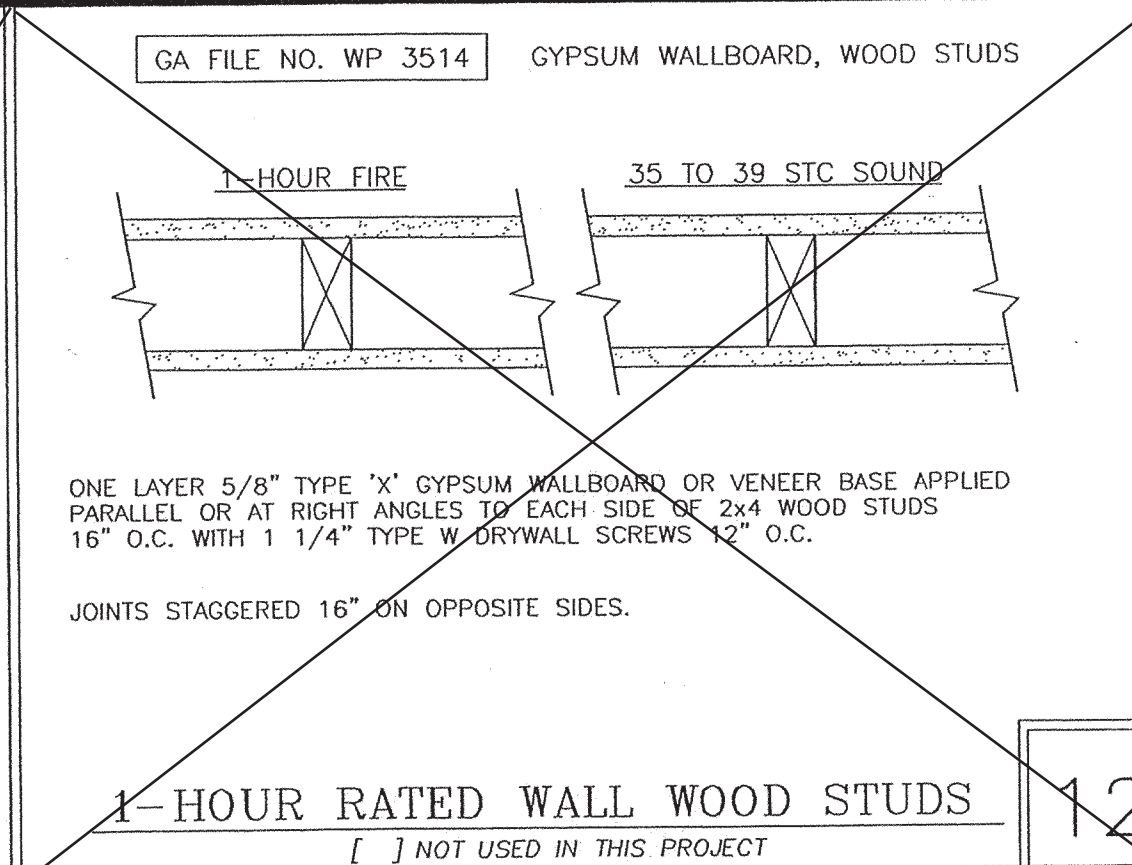
**COMMON WALL CONNECTION AT DOOR BETWEEN ADJACENT BUILDINGS**  
 [ ] NOT USED IN THIS PROJECT



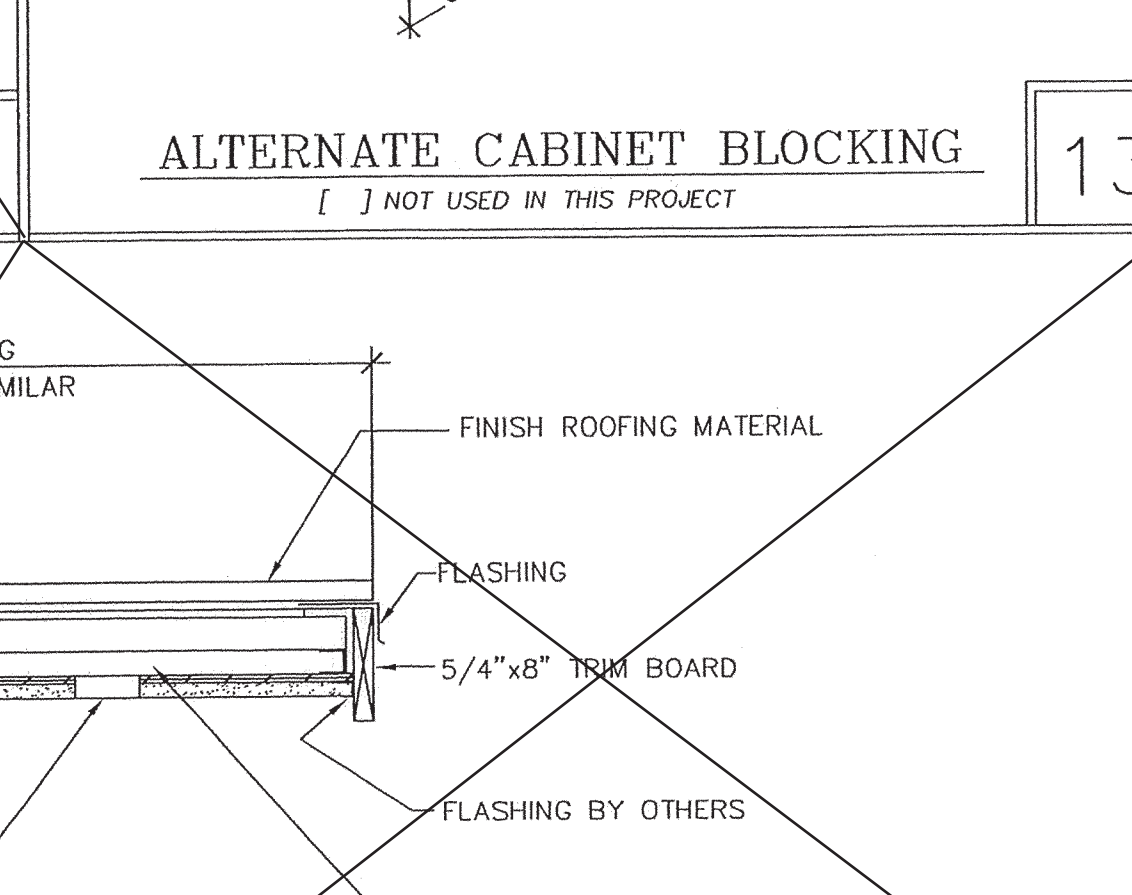
**CABINET BLOCKING**  
 [ ] NOT USED IN THIS PROJECT



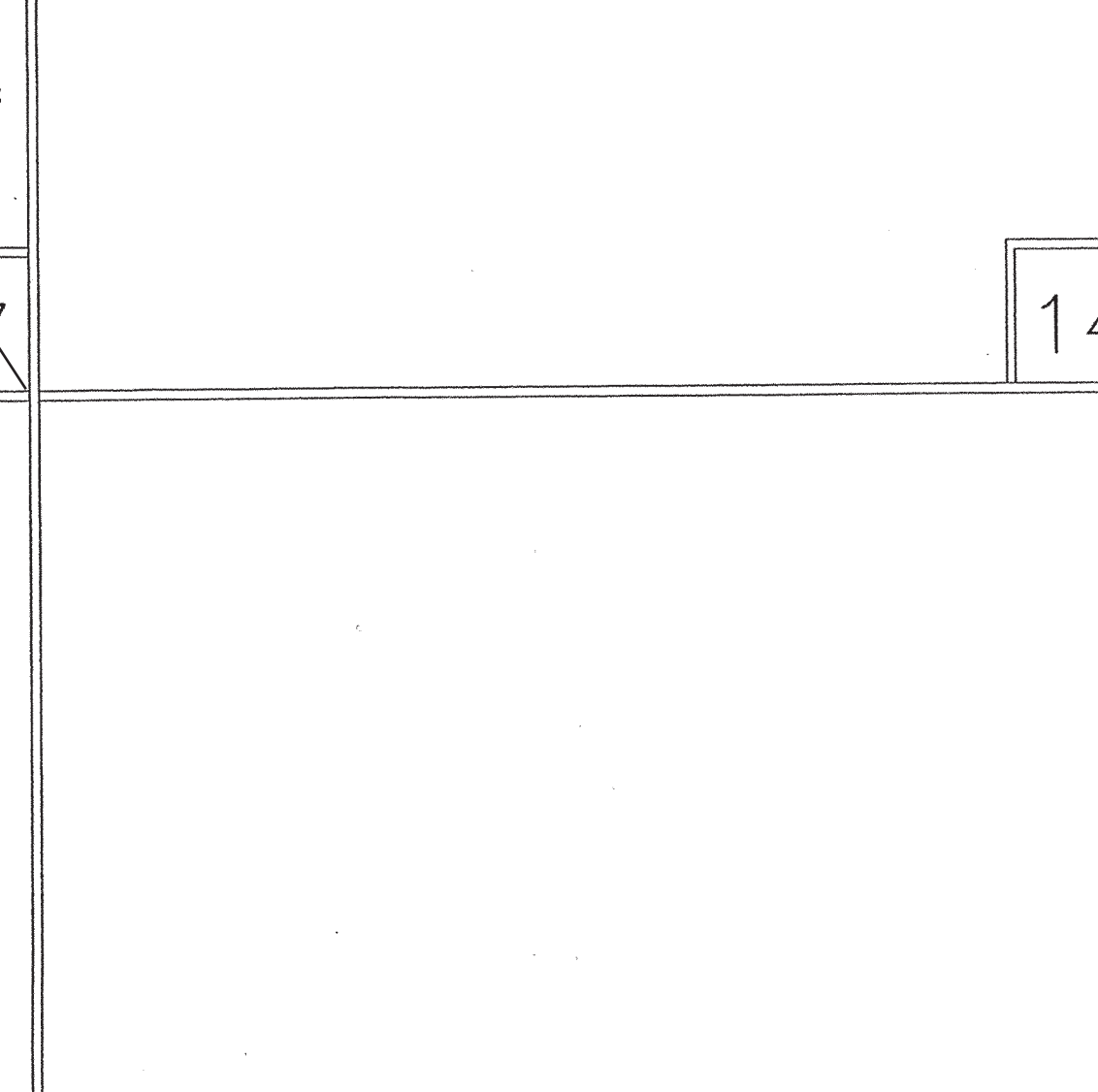
**CASEWORK TO WALL**  
 [ ] NOT USED IN THIS PROJECT



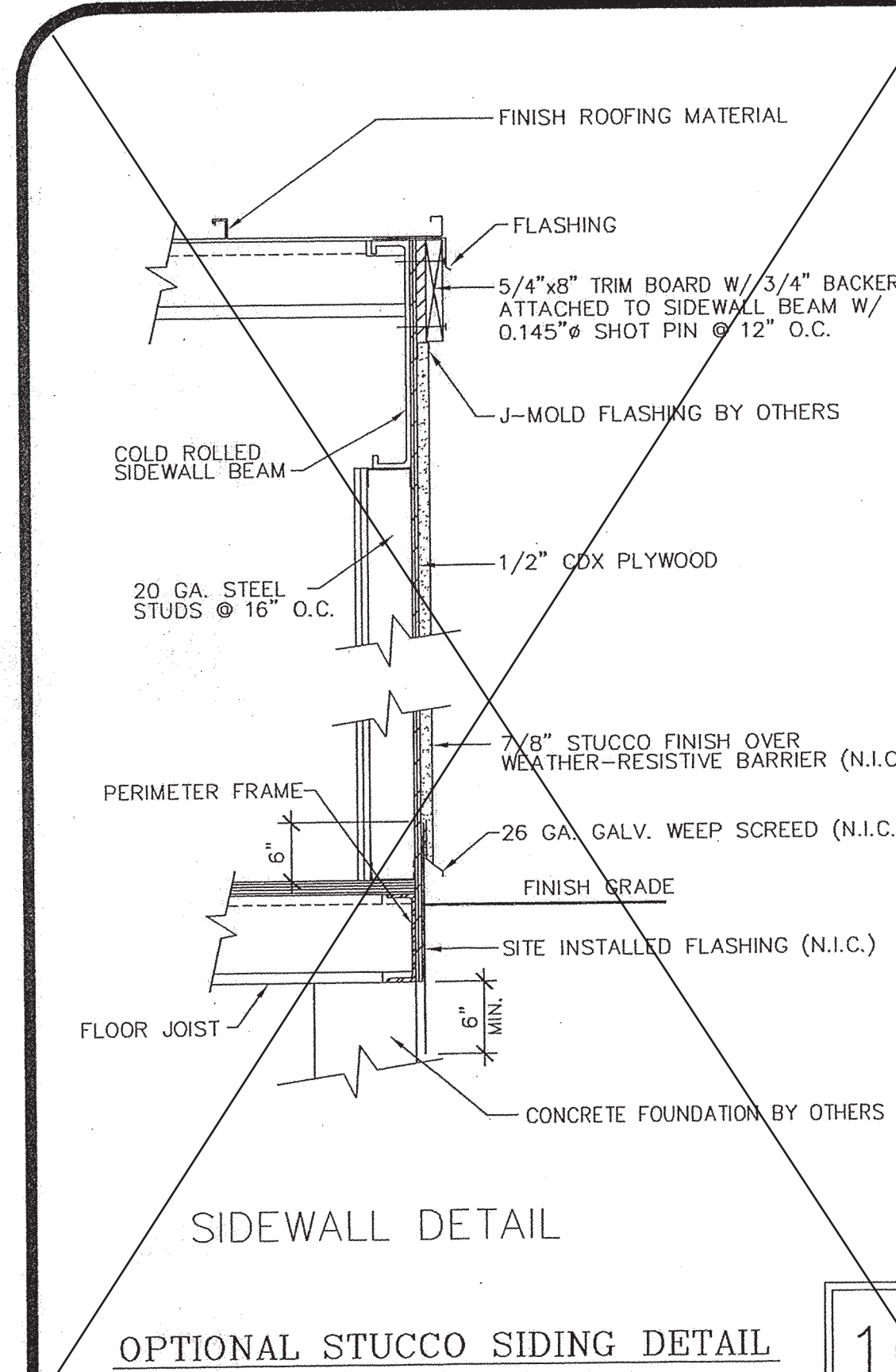
**1-HOUR RATED WALL WOOD STUDS**  
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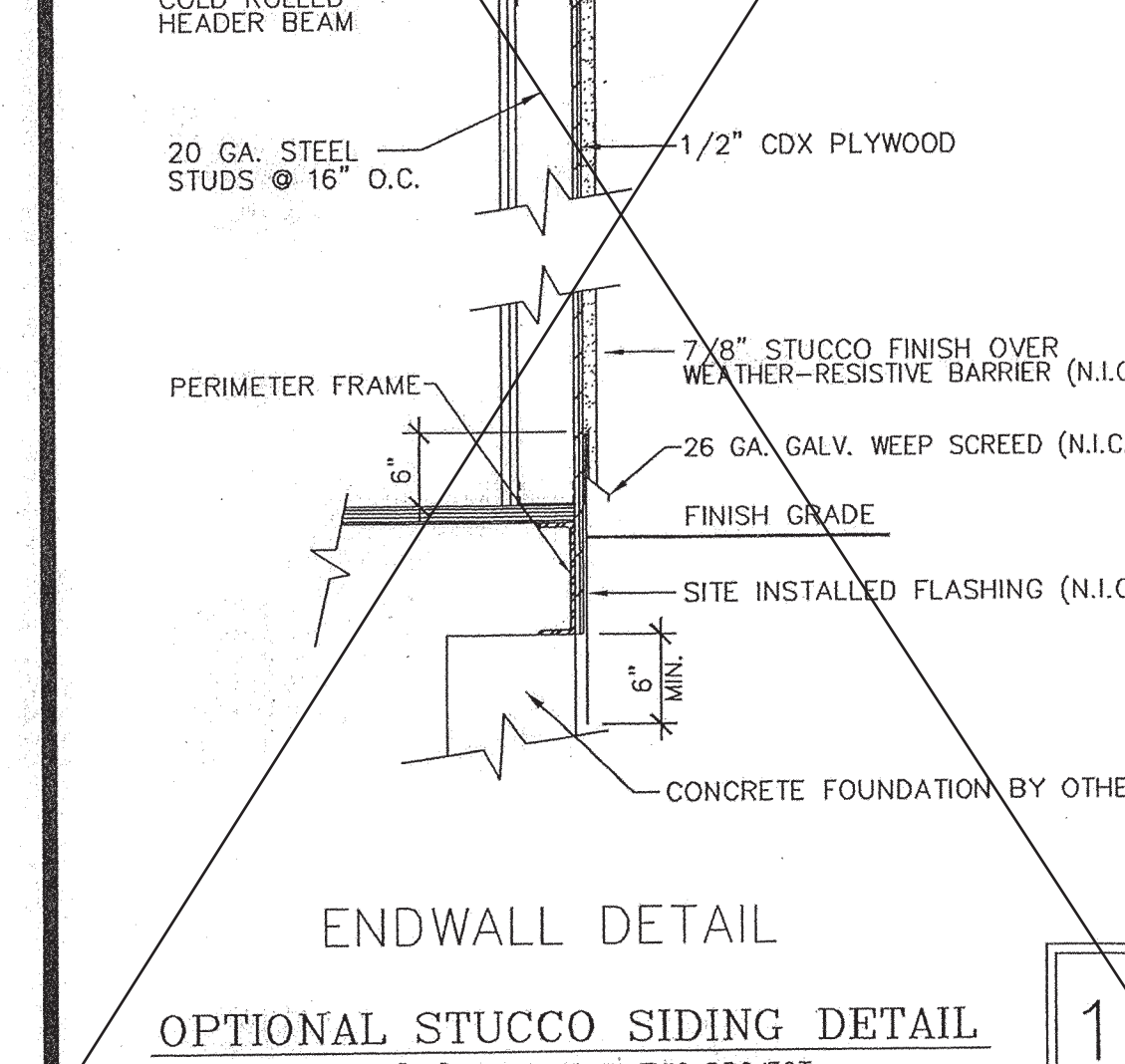
**ALTERNATE CABINET BLOCKING**  
 [ ] NOT USED IN THIS PROJECT



**1-HOUR RATED WALL STEEL STUDS**  
 [ ] NOT USED IN THIS PROJECT



**SIDEWALL DETAIL**  
 [ ] NOT USED IN THIS PROJECT



**OPTIONAL STUCCO SIDING DETAIL**  
 [ ] NOT USED IN THIS PROJECT

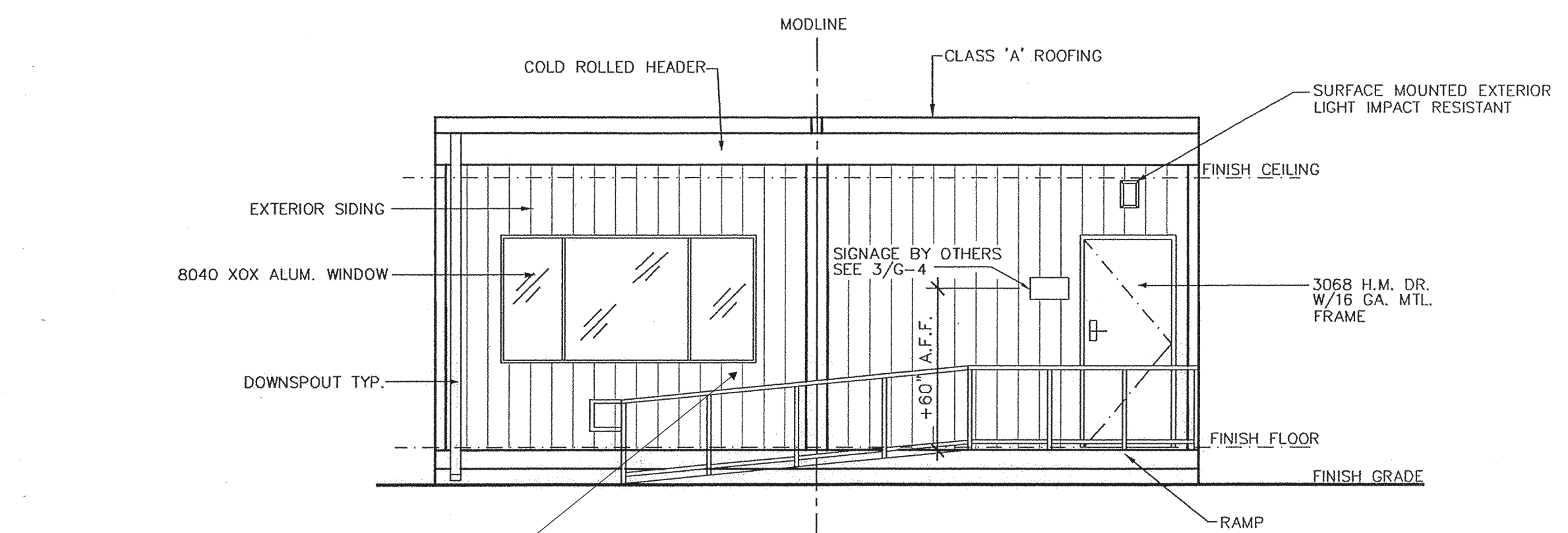
**ENDWALL DETAIL**  
 [ ] NOT USED IN THIS PROJECT

**OPTIONAL STUCCO SIDING DETAIL**  
 [ ] NOT USED IN THIS PROJECT

**ENDWALL DETAIL**  
 [ ] NOT USED IN THIS PROJECT

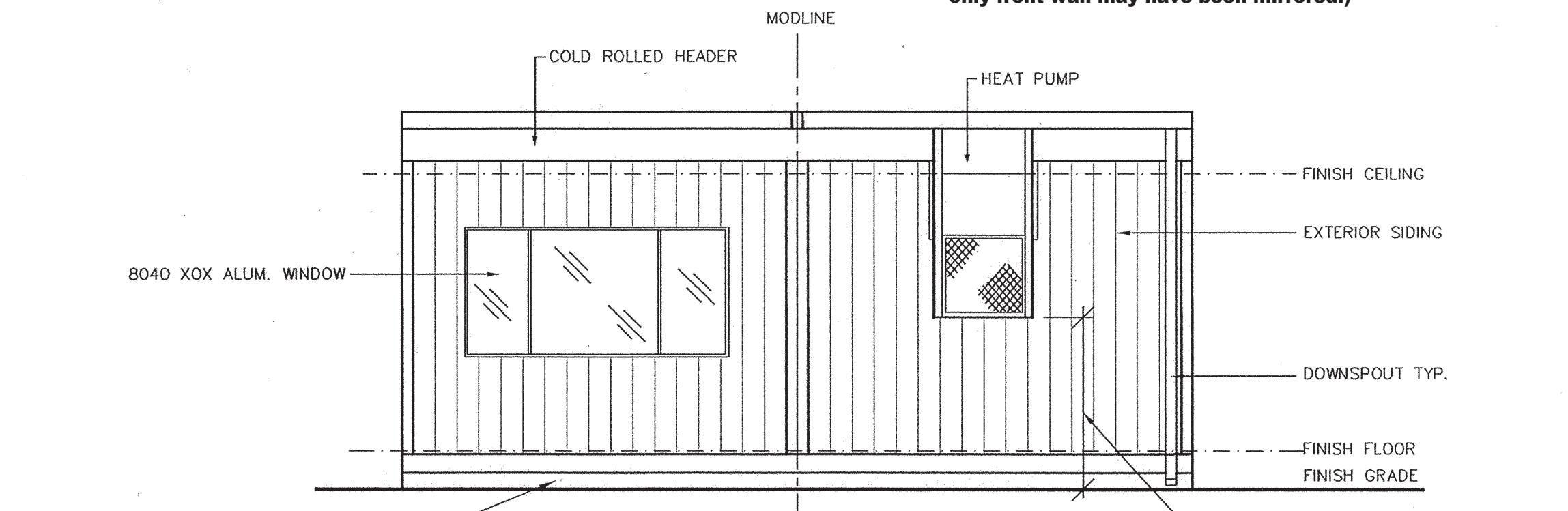
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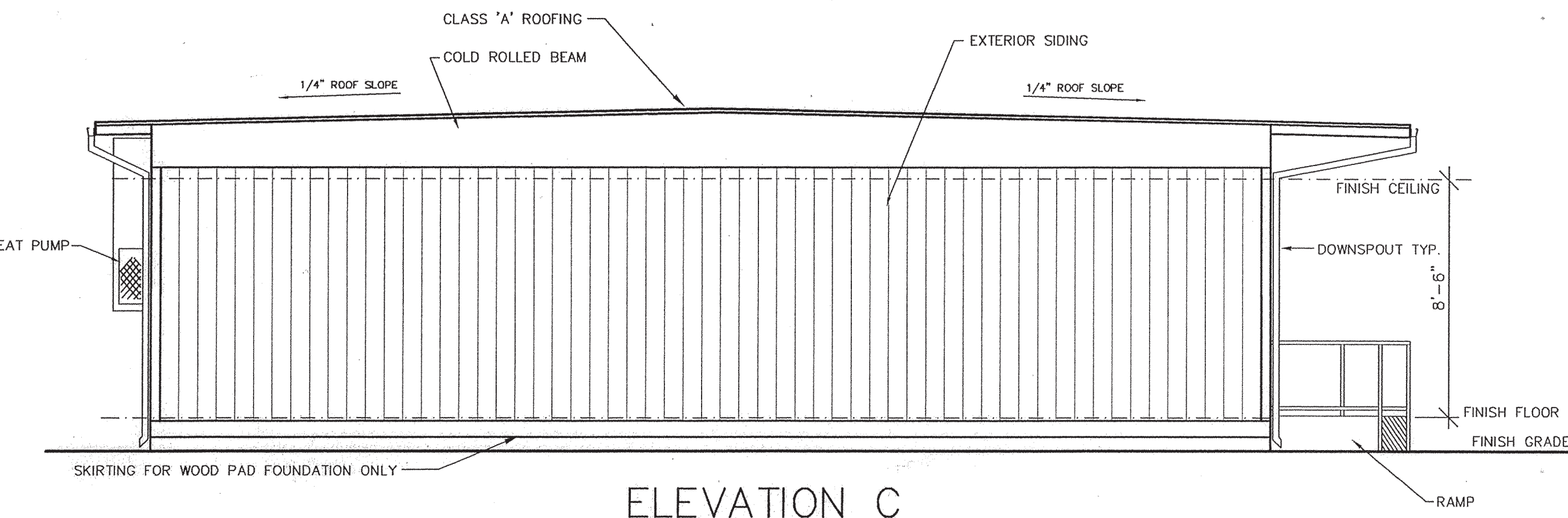
**ELEVATION A**  
**A - AS SHOWN**  
**B - MIRRORED (OPPOSITE)**  
**(AC unit may remain on original set module - as only front wall may have been mirrored.)**

ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-05.5  
 WALL TO BE SMOOTH AND TO EXTEND 8" ABOVE HANDRAIL

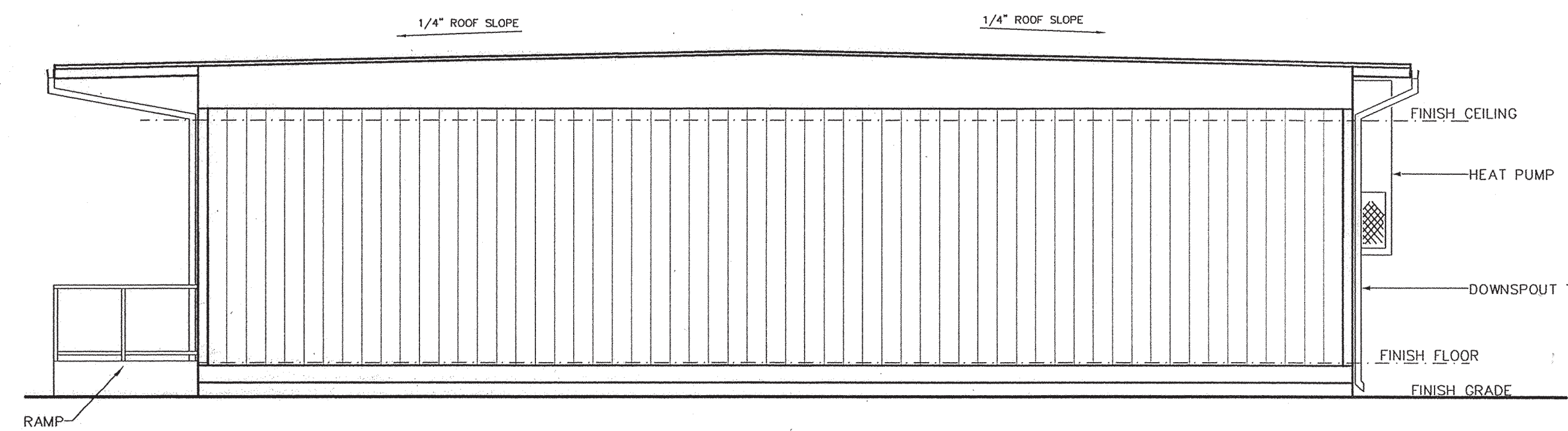


**ELEVATION B**

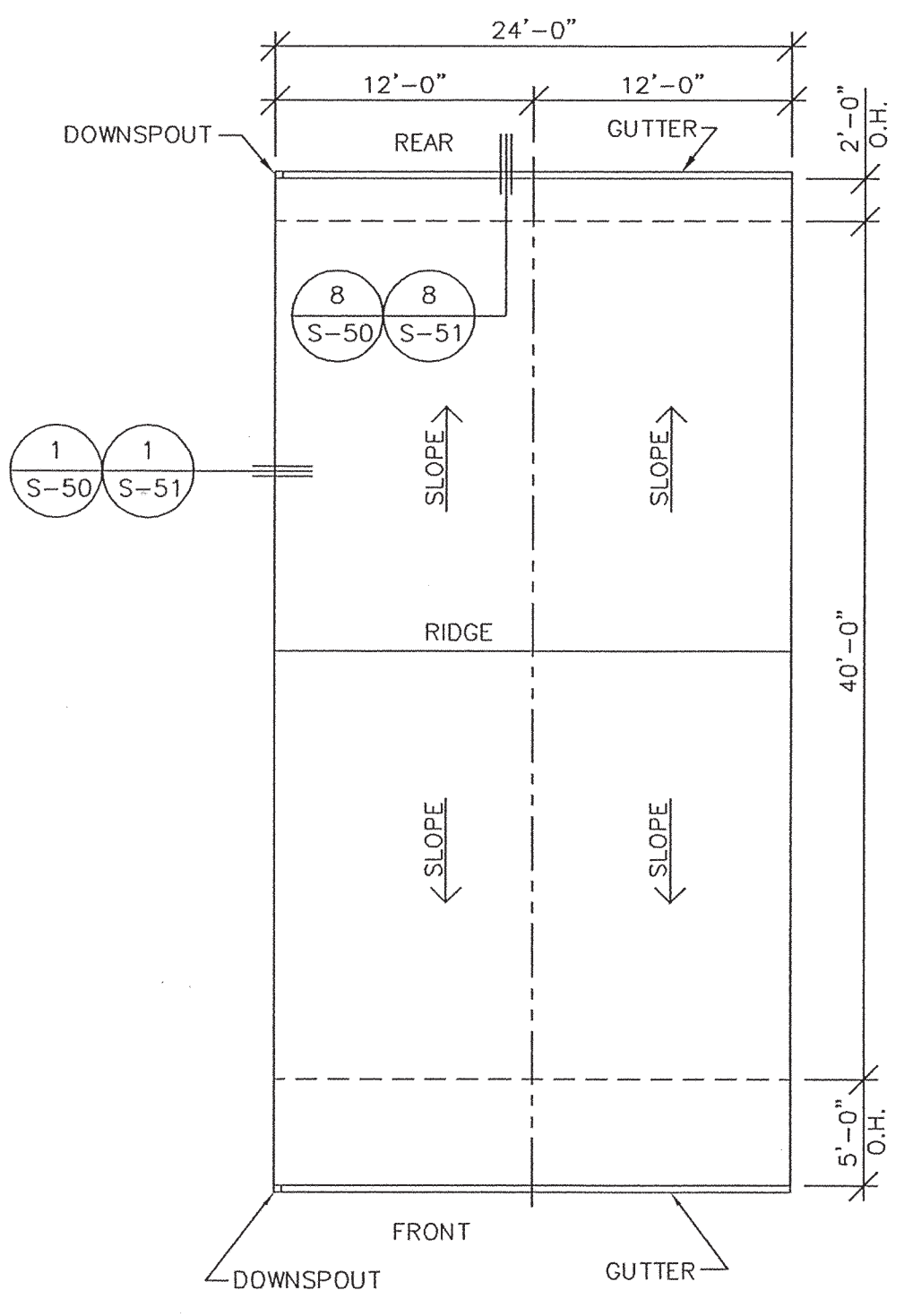
SURROUND HVAC UNIT WITH PROTECTIVE RAILING IF LOCATED IN A PEDESTRIAN WALKWAY IF GREATER THAN 27" HEIGHT FROM FINISH GRADE FURNISHED AND INSTALLED BY OTHERS ONSITE.



**ELEVATION C**



**ELEVATION D**



**DUAL PITCH ROOF PLAN**  
 SEE SHEET G-2 FOR ROOFING MATERIALS

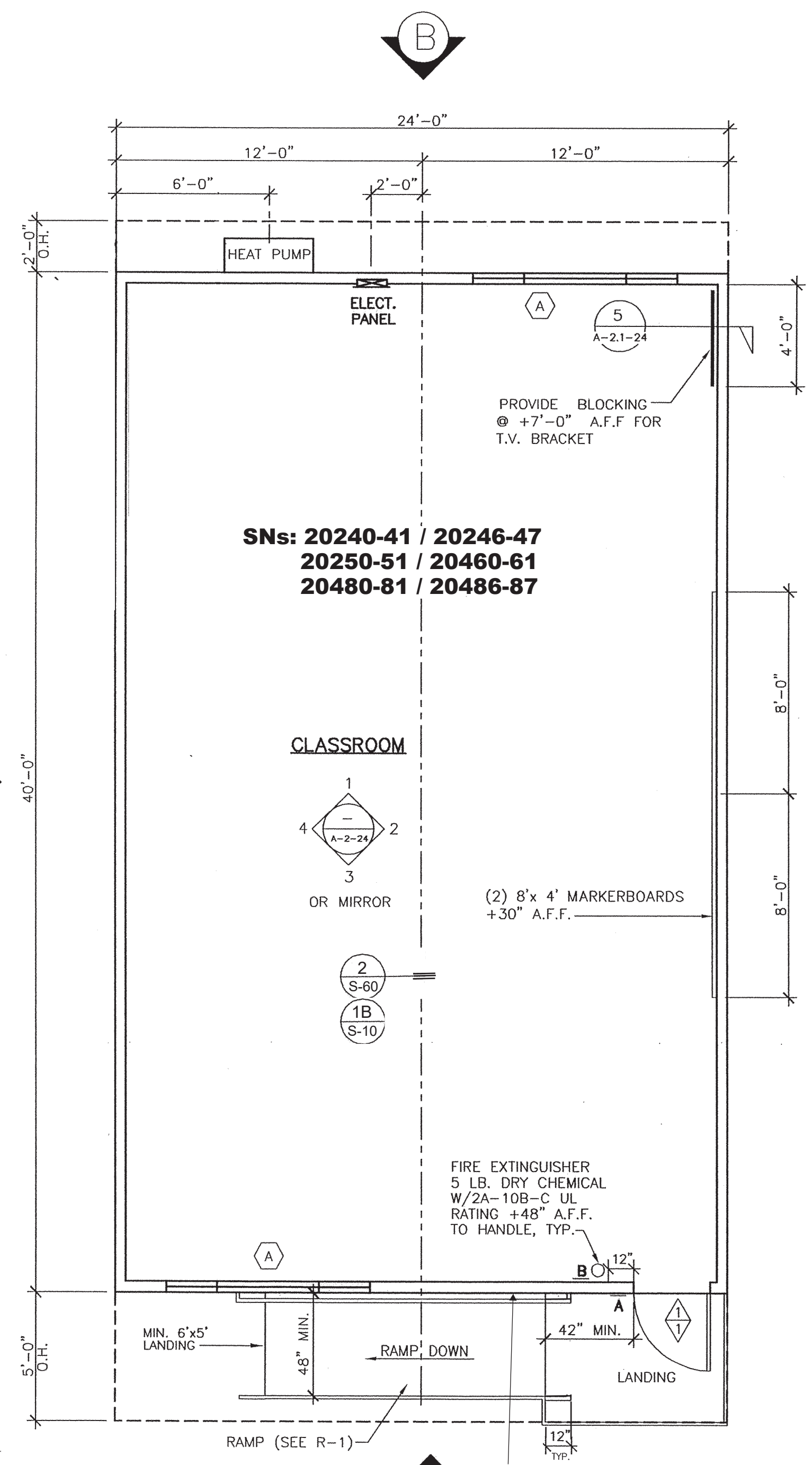
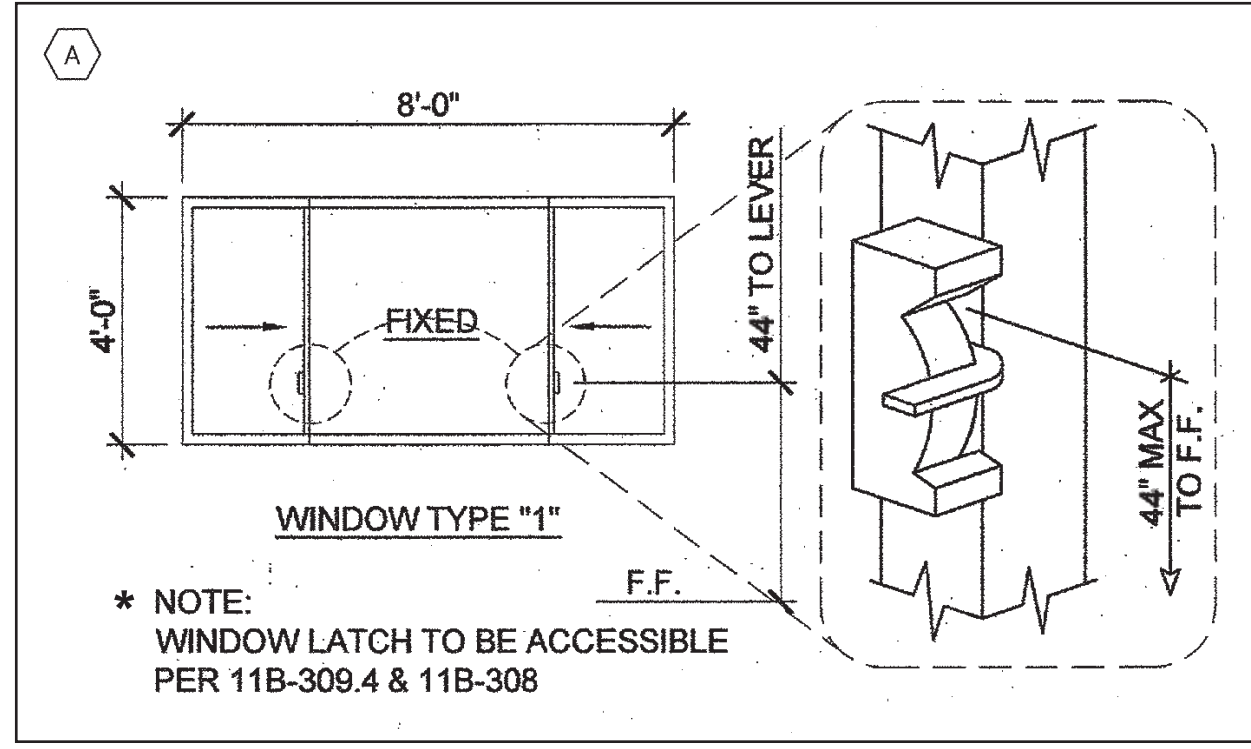
NOTE: BUILDING HOUSING GROUP 'C' OCCUPANCIES SHALL HAVE ROOF COVERINGS AS SPECIFIED IN TABLE 15A C.B.C. - CLASS 'A'

NOTE: PROVIDE FIRE BLOCKING PER C.B.C. 708

NOTE: FLOOR PLAN SHOWN IS 'B' BUILDING 'A' BUILDING IS OPPOSITE HANDED

- LEGEND**
- ◊ INDICATES DOOR TYPE, SEE SHEET G-2
  - ◻ INDICATES HARDWARE TYPE, SEE SHEET G-2
  - Ⓐ INDICATES WINDOW TYPE - SEE SHEET G-2
  - Ⓢ DETAIL #
  - Ⓢ SHEET #

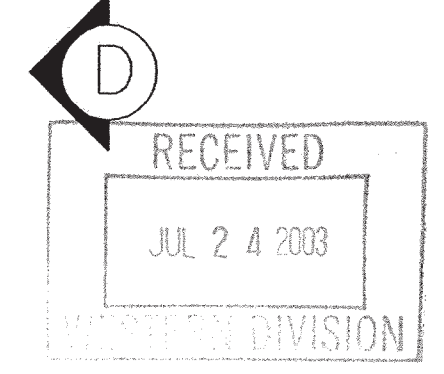
- SIGNAGE LEGEND:**
- A: ROOM SIGNAGE PER DETAIL #3, SHEET G-4
  - B: EXIT SIGNAGE PER DETAIL #3, SHEET G-4
- SEE NOTE 4 BELOW FOR SIGNAGE REQUIREMENTS



**FLOOR PLAN**

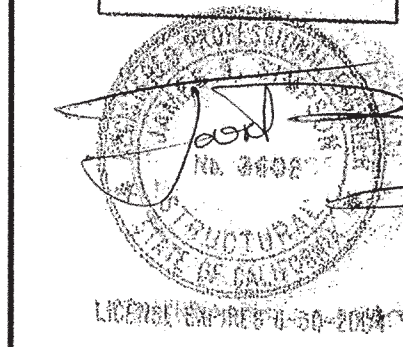
**A - AS SHOWN: R12,R15,R16,R17,R18 & R19**  
**B - MIRRORED (OPPOSITE, LEFT HAND DOOR): R14**  
**(AC unit may remain on original set module - as only front wall may have been mirrored.)**

- NOTES:
- MANUFACTURER SHALL MECHANICALLY ATTACH METAL TAG TO EXTERIOR OF BUILDING SHOWING DSA APPLICATION NUMBER, MANUFACTURER'S NAME, UNIT SERIAL NUMBER, DESIGN LIVE LOADS FOR FLOOR AND ROOF, AND THE DESIGN WIND LOAD.
  - WALL AND CEILING FINISHES SHALL BE MIN. CLASS I MATERIAL FLAME SPREAD 0-25 SMOKE DEVELOPED, FUEL CONTRIBUTED 0-450
  - SIGNAGE REQUIRED PER APPLICABLE CODES LISTED ON SHEET CS PROVIDED AND INSTALLED BY OTHERS ONSITE. SEE #3/G-4
  - ANY ROOM HAVING AN OCCUPANT LOAD OF 50 OR MORE WHERE FIXED SEATS ARE NOT INSTALLED, AND WHICH IS USED FOR CLASSROOM, ASSEMBLY, DINING OR SIMILAR PURPOSE SHALL HAVE THE CAPACITY OF THE ROOM POSTED IN A CONSPICUOUS PLACE NEAR THE MAIN EXIT OF THE ROOM. POSTING SHALL BE BY MEANS OF A DURABLE SIGN HAVING CONTRASTING COLOR FROM THE BACKGROUND TO WHICH IT IS ATTACHED.
  - MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED NOT TO EXCEED 15 POUNDS.



ARCHITECT STAMP

DATE SIGNED  
 JUL 15 2003



STRUCTURAL ENGINEER STAMP

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 04 105453  
 JUL 17 2023

STATE AGENCY STAMP

STATE AGENCY STAMP

PROJECT: 24'x40' MODULAR CLASSROOM BUILDING  
 TITLE: 24'x40' FLOOR PLAN, EXTERIOR ELEVATIONS & ROOF PLAN (DUAL PITCH ROOF)

JOB # 03-1014

DATE 7/11/03

DRAWN BY JAG

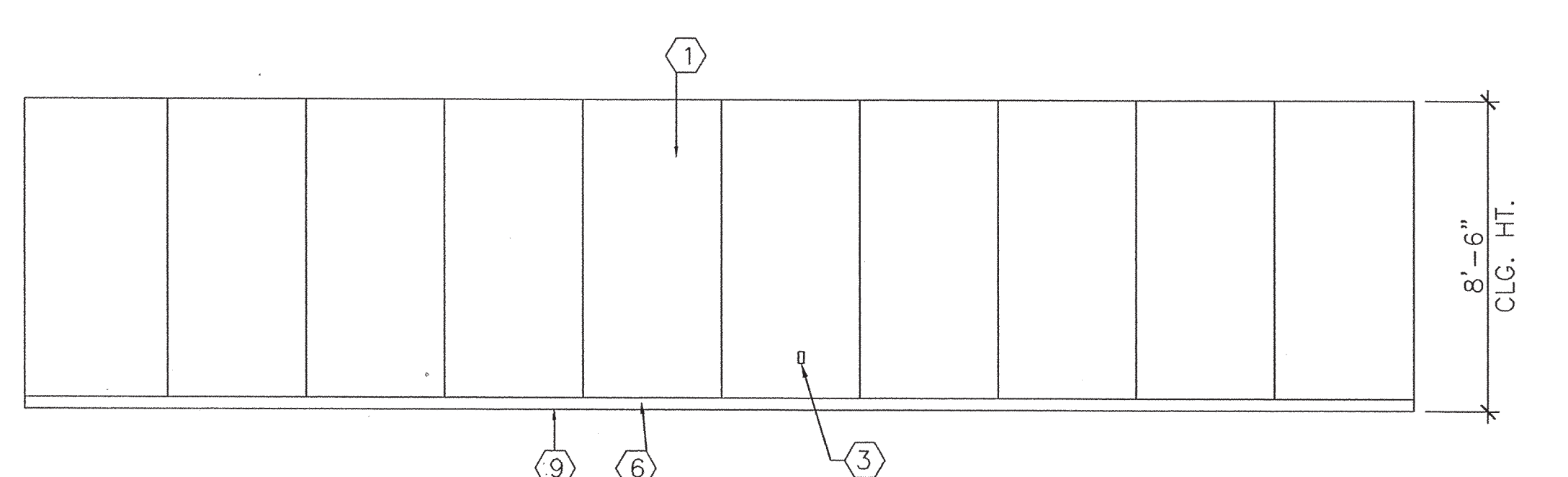
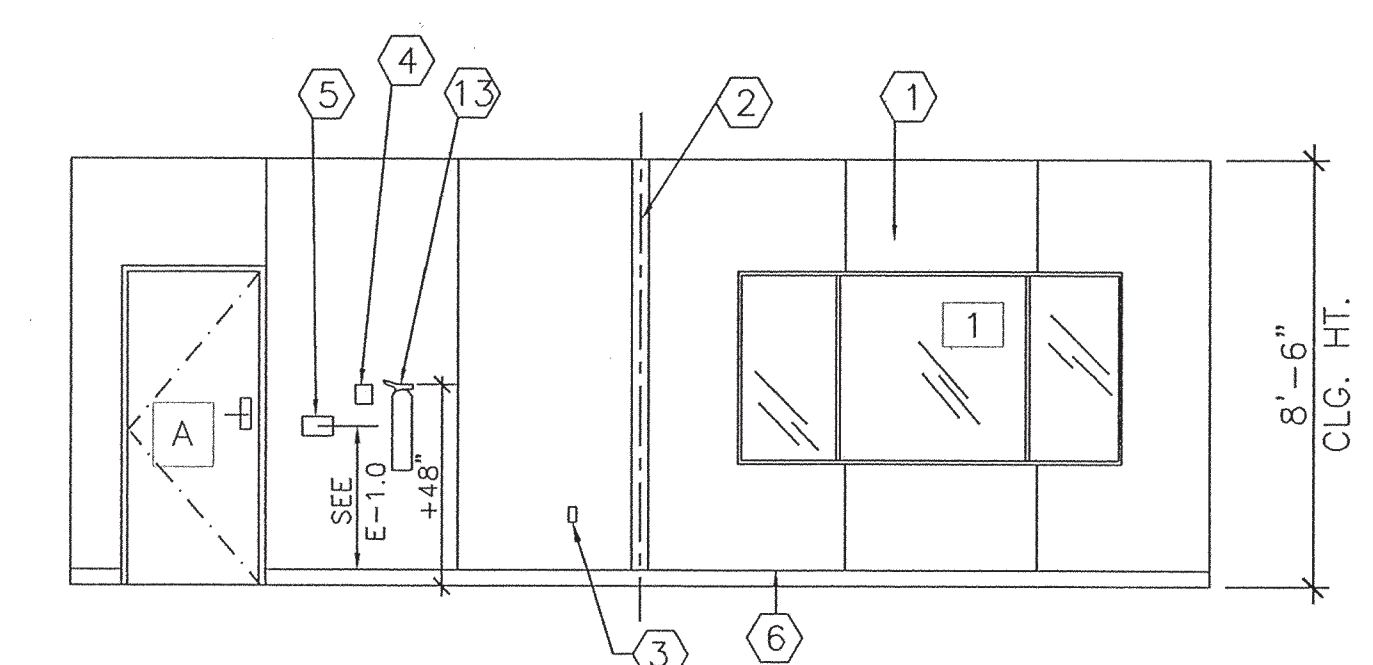
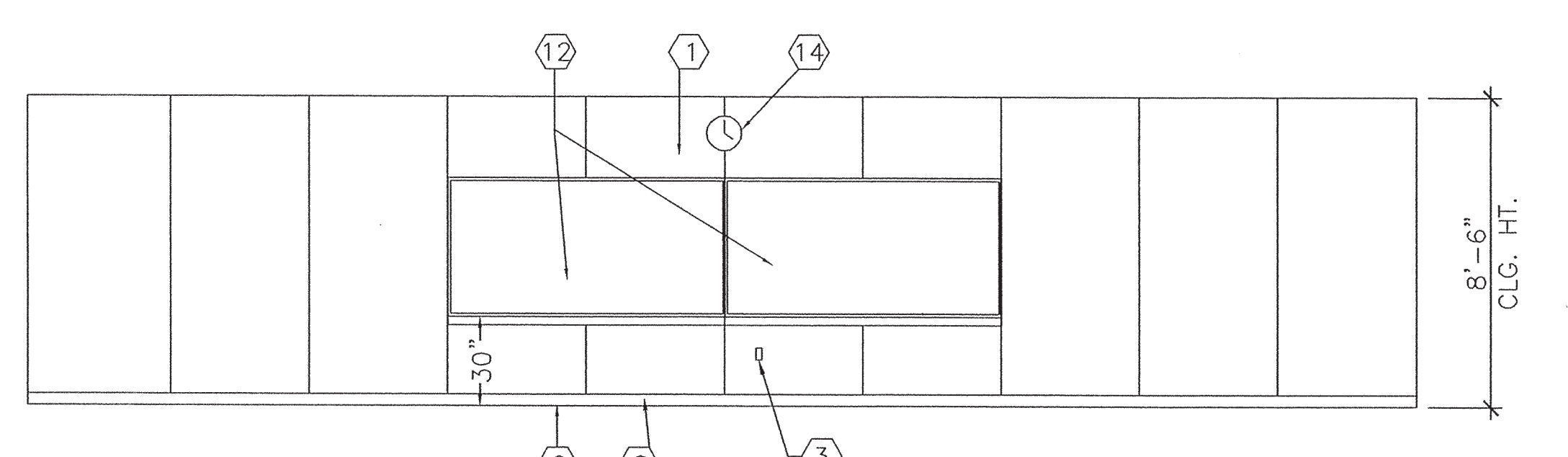
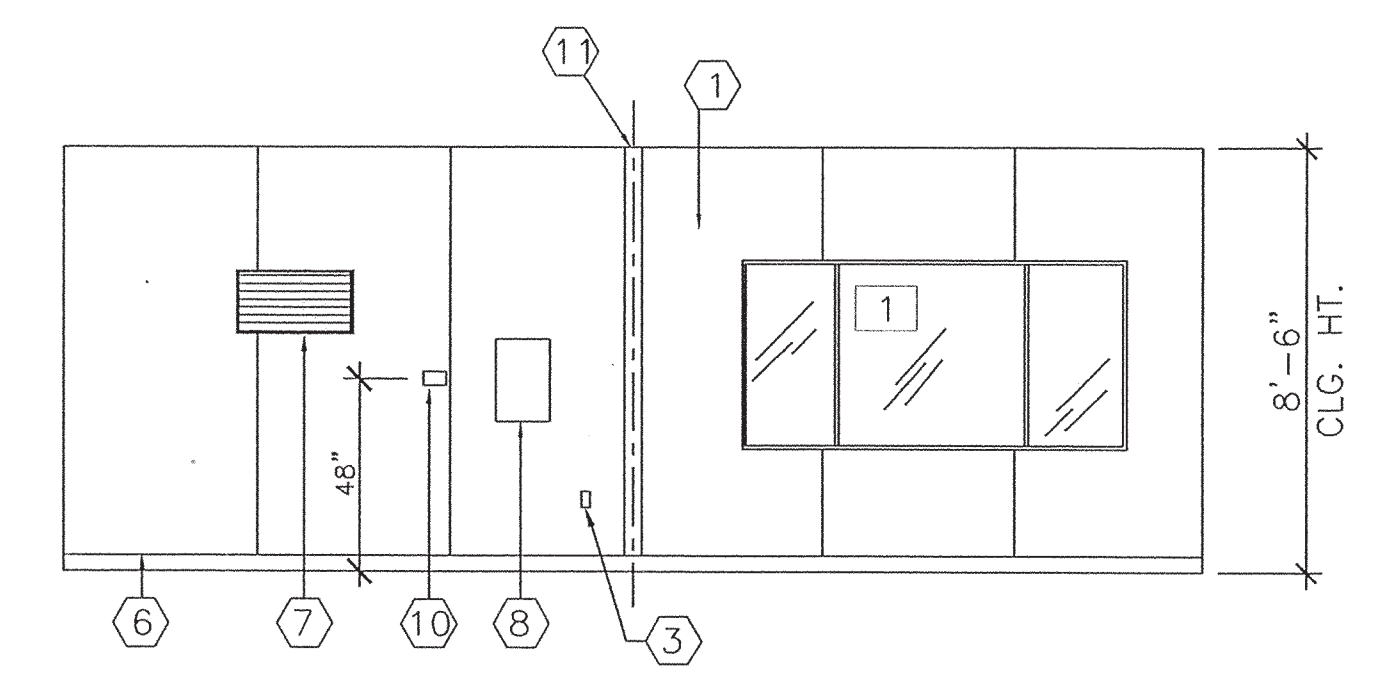
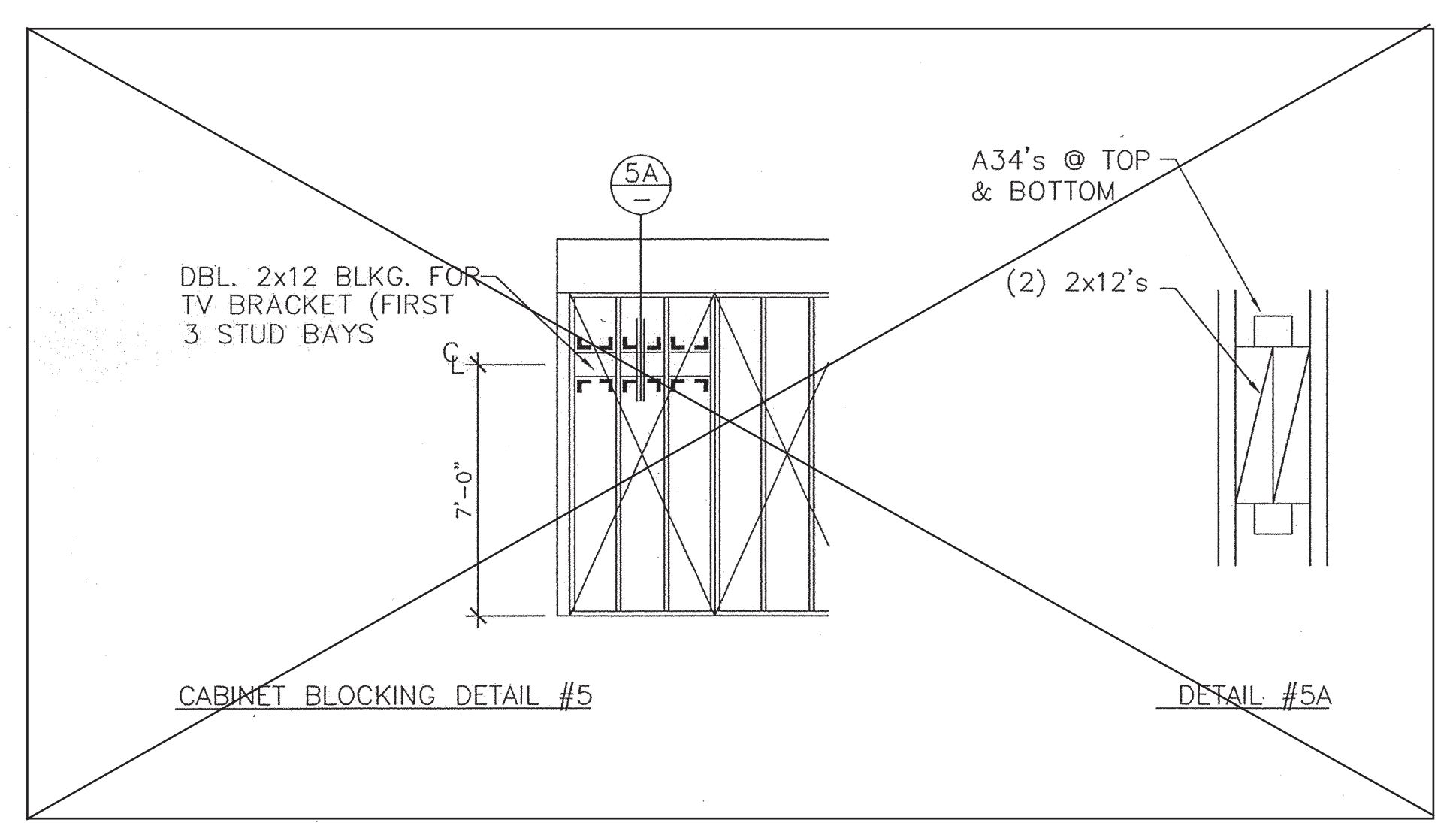
SCALE 1/4"=1'-0"

APPROVED

REVISIONS

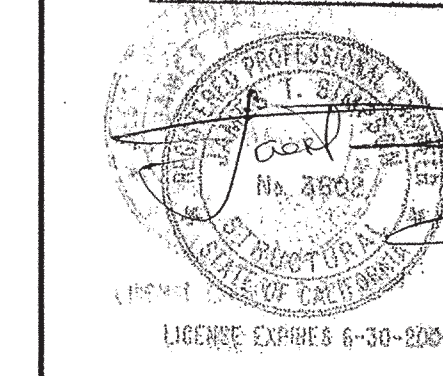
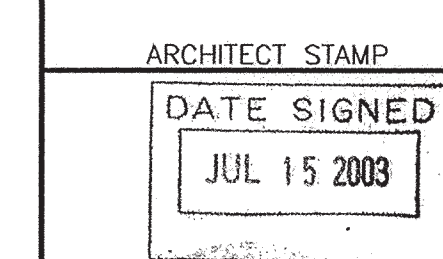
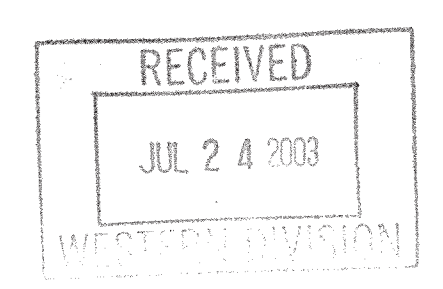
SHEET NO.

A-1.1-24

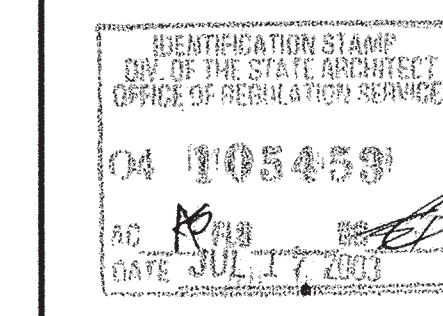


KEYNOTES:

- [A] EXTERIOR DOOR
- [1] EXTERIOR WINDOW
- [1] TYPICAL INTERIOR FINISH
- [2] CLOSURE AT MODULAR JOINT
- [3] DUPLEX WALL RECEPTACLE +18" A.F.F. (SEE POWER PLAN)
- [4] FIRE ALARM PULL STATION (SEE POWER PLAN)
- [5] LIGHT SWITCH (SEE LIGHTING PLAN)
- [6] TOP SET BASE (TYPICAL) SEE FINISH SCHEDULE
- [7] RETURN AIR GRILL
- [8] ELECTRICAL PANEL
- [9] FINISH FLOOR
- [10] THERMOSTAT SEE MECHANICAL PLAN
- [11] MODULAR JOINT
- [12] (2) 8'-0" x 4'-0" MARKERBOARD
- [13] FIRE EXTINGUISHER
- [14] 12" DIA. ELECTRIC CLOCK (SEE ELECTRICAL POWER PLAN)



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PROJECT: 24'x40' MODULAR CLASSROOM BUILDING  
 TITLE: 24'x40' INTERIOR ELEVATIONS

JOB # 03-1014  
 DATE 7/11/03  
 DRAWN BY JAG  
 SCALE 1/4"=1'-0"  
 APPROVED  
 REVISIONS

SHEET NO. A-2.1-24

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PROJECT: 24'x40' MODULAR CLASSROOM BUILDING  
 TITLE: 24'x40' REFLECTED CEILING PLAN

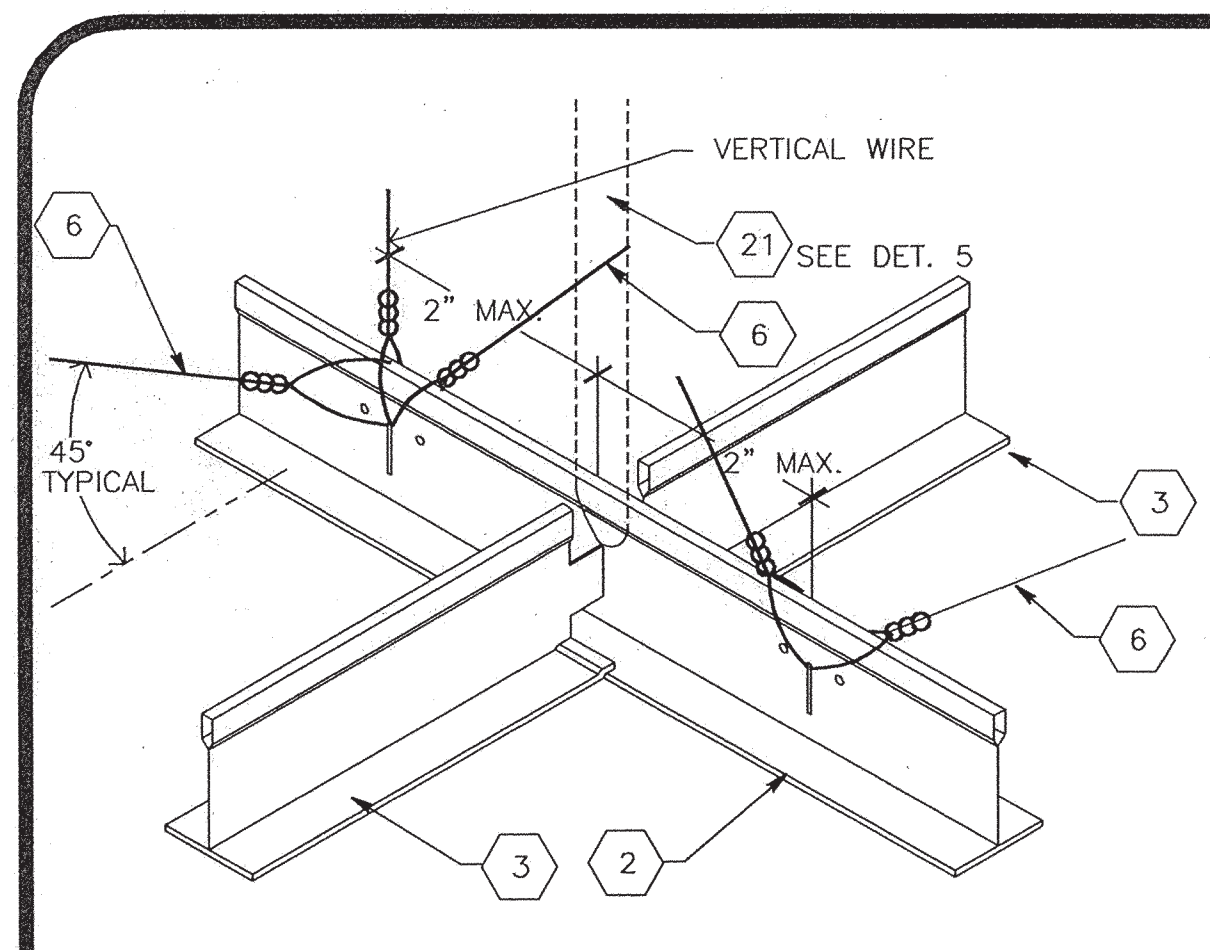
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ARCHITECT STAMP  
 DATE SIGNED  
 JUL 15 2003

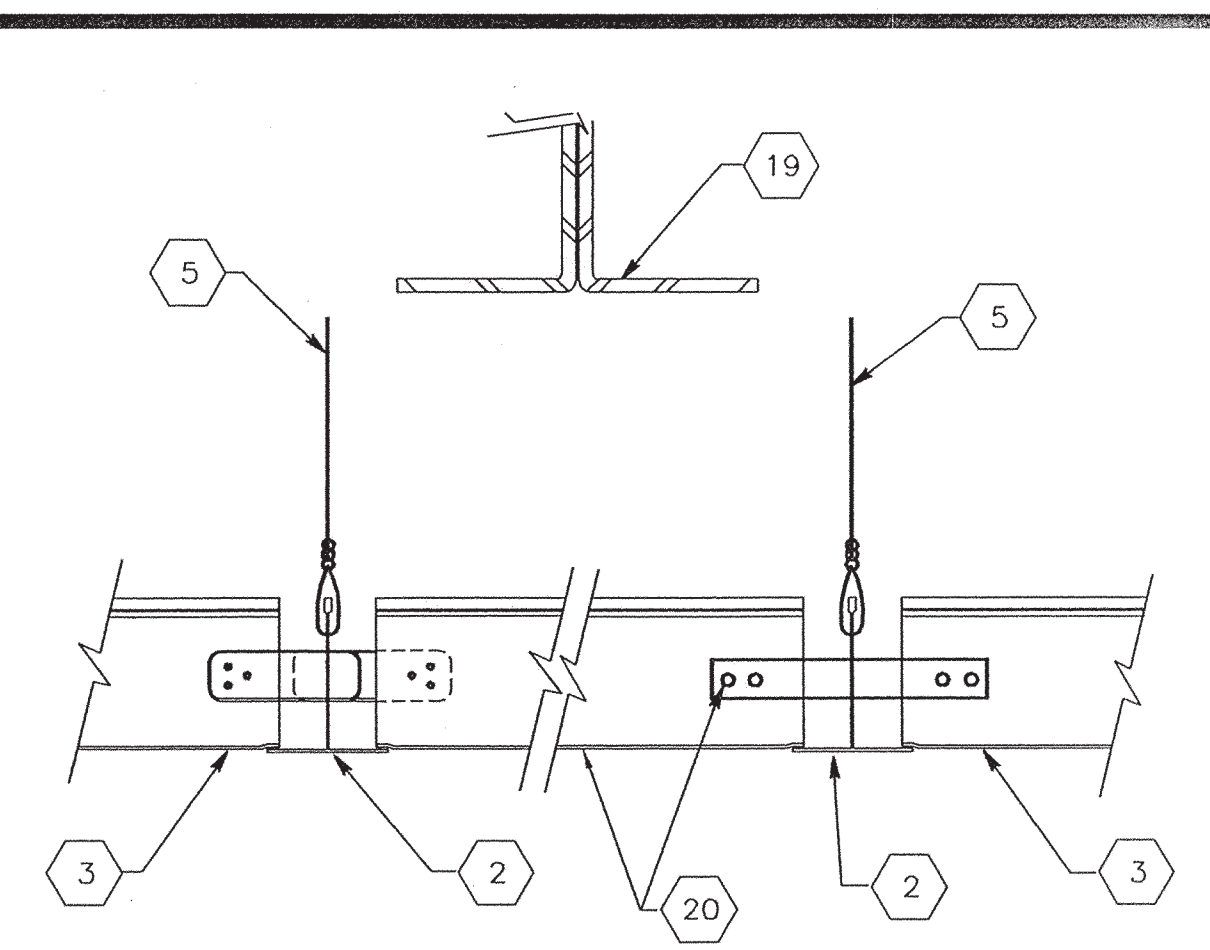
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 REVISIONS  
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STATE AGENCY STAMP

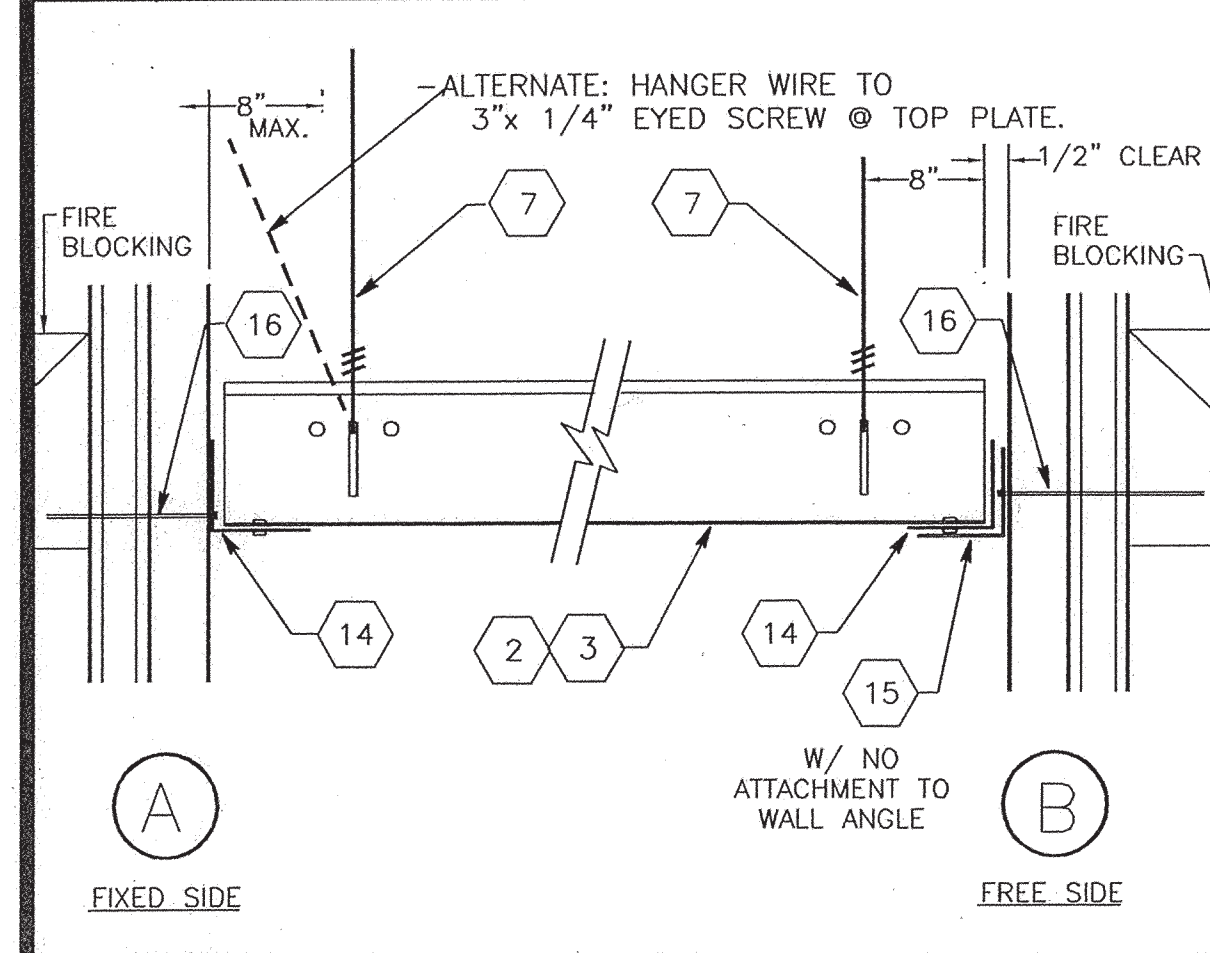
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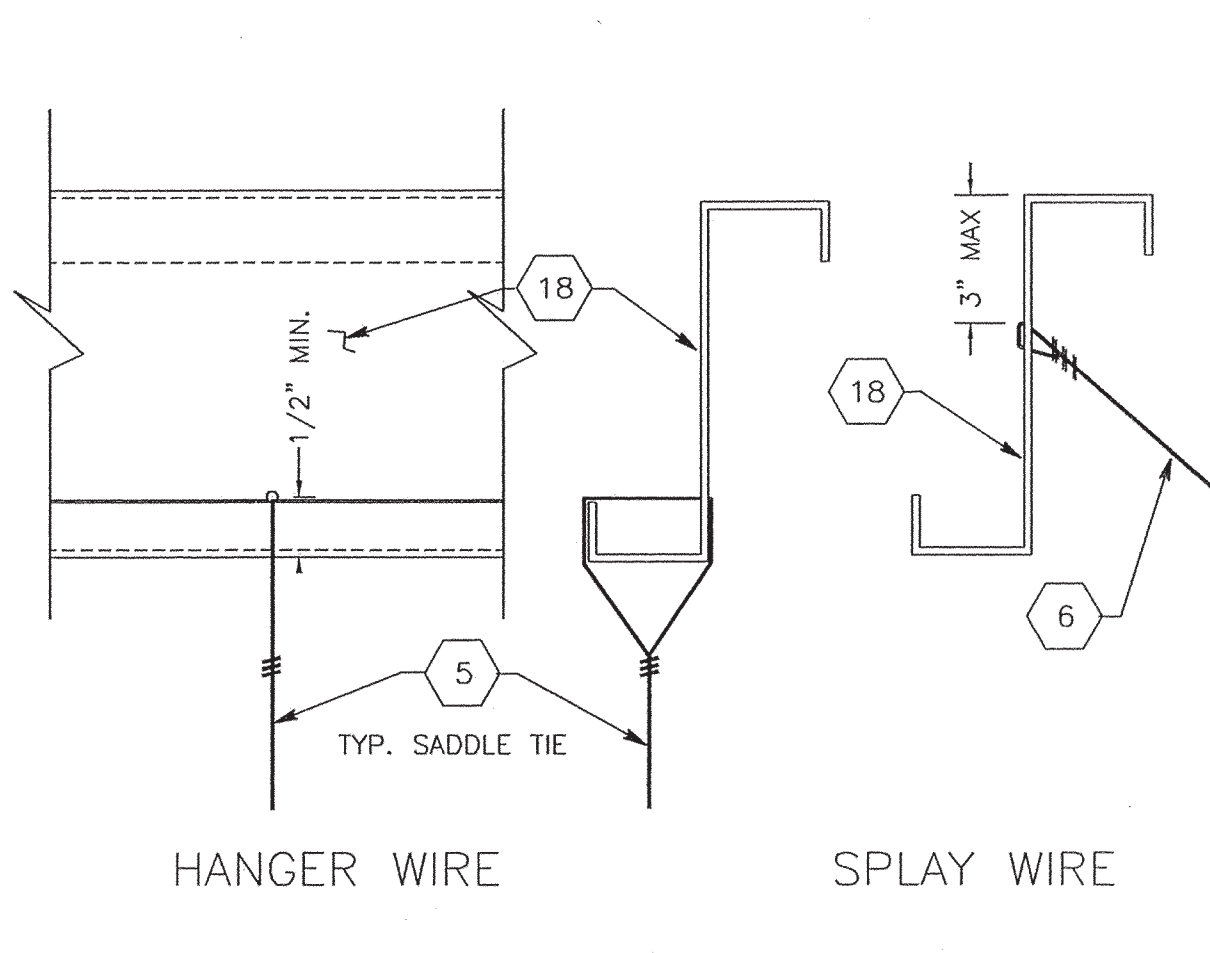
1 SPLAY WIRE



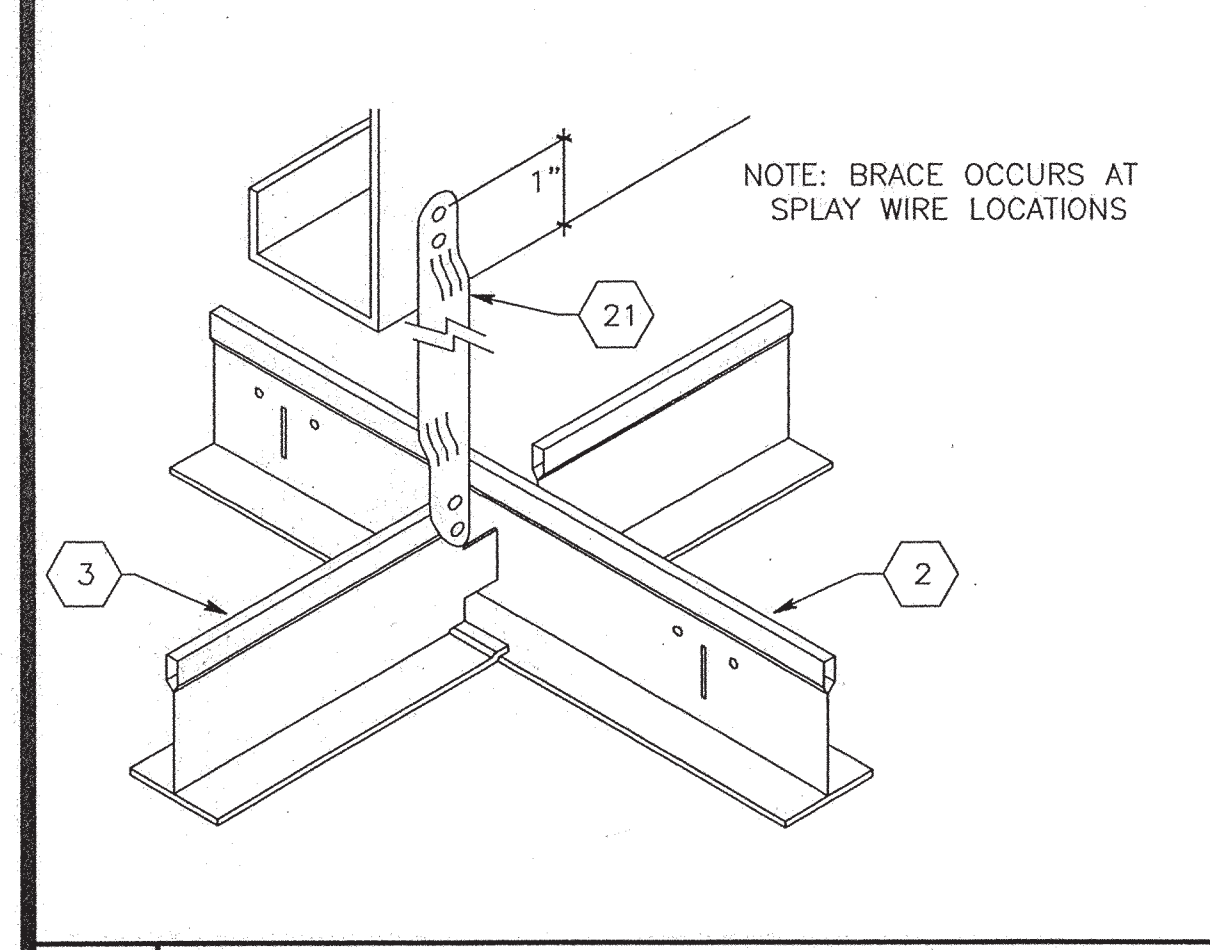
2 GRID AT MODLINE



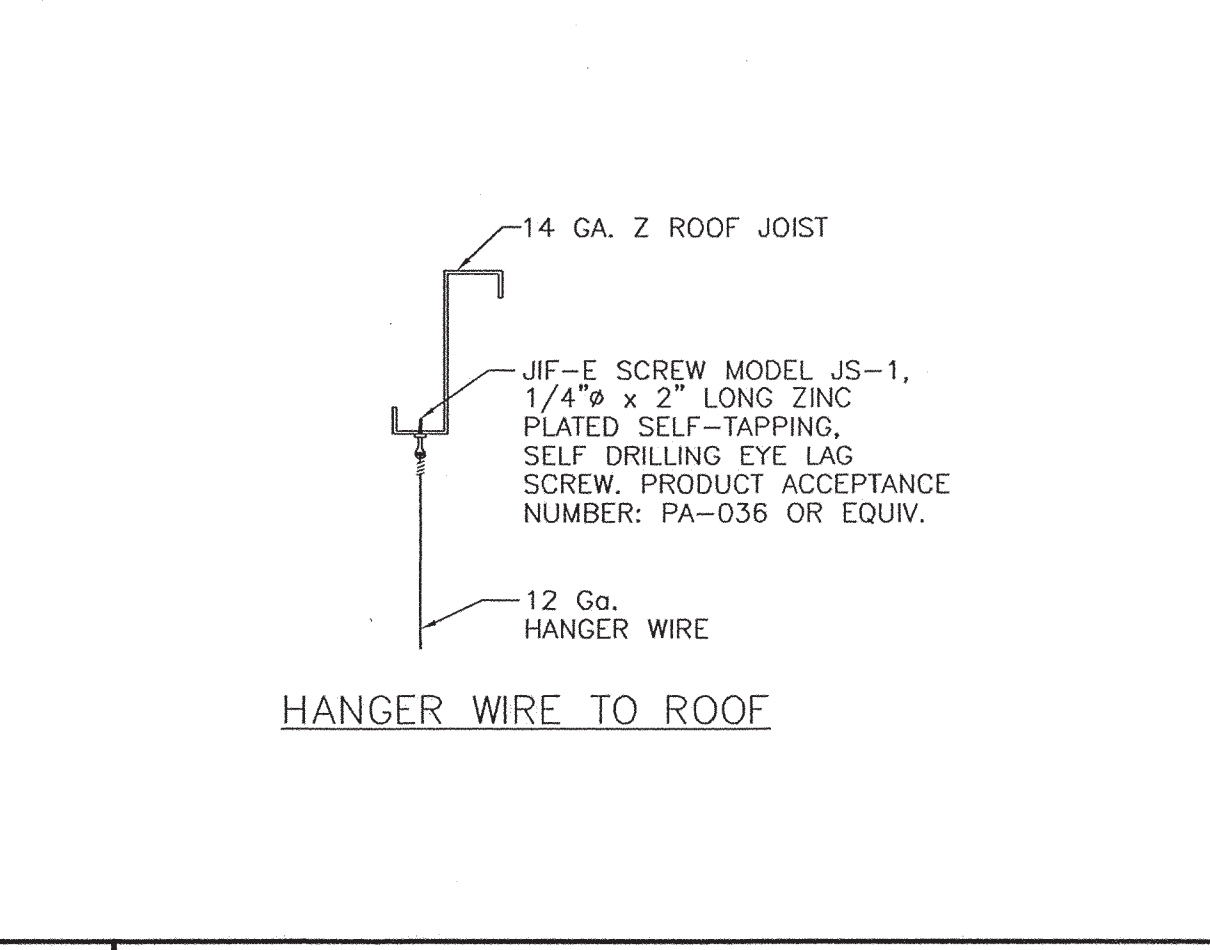
3 GRID AT WALL



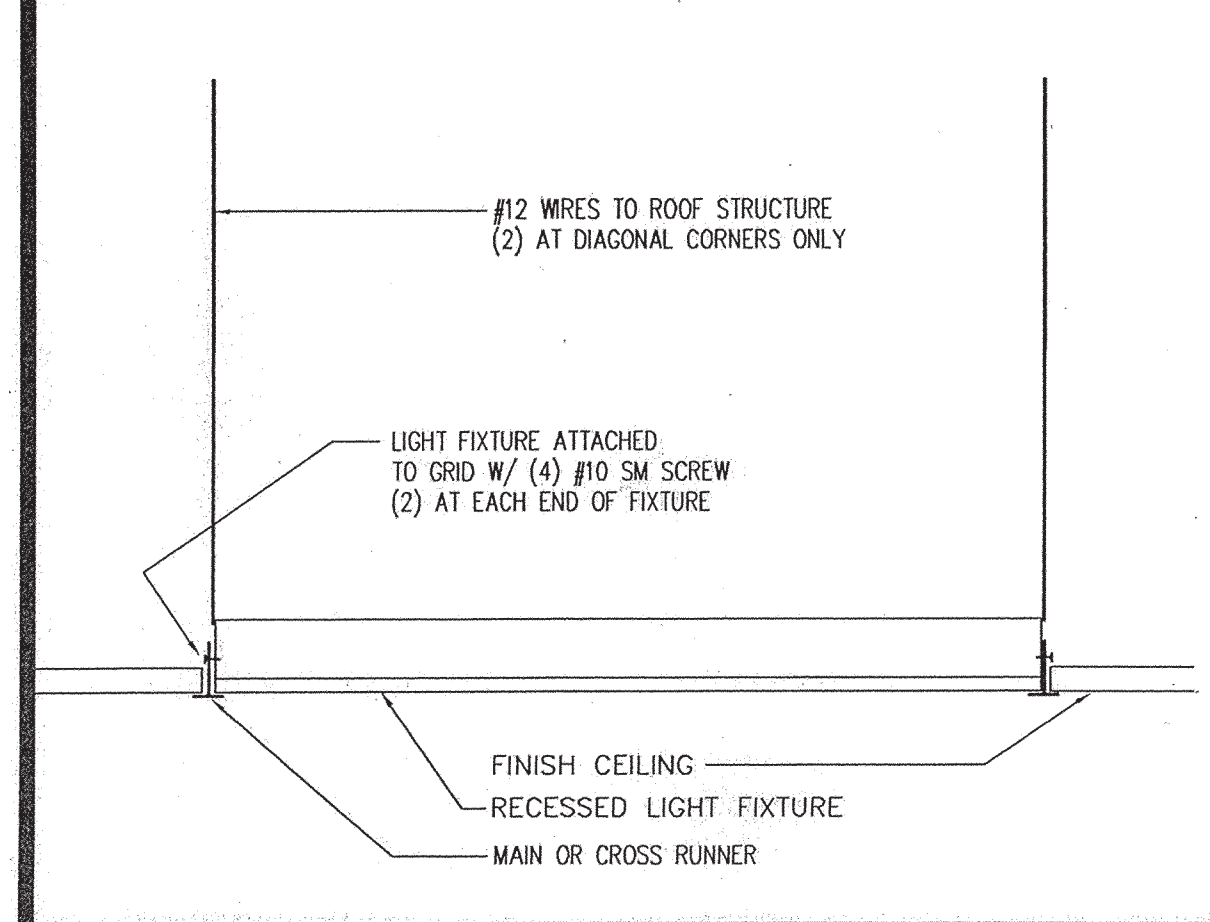
4 WIRE ATTACHMENT



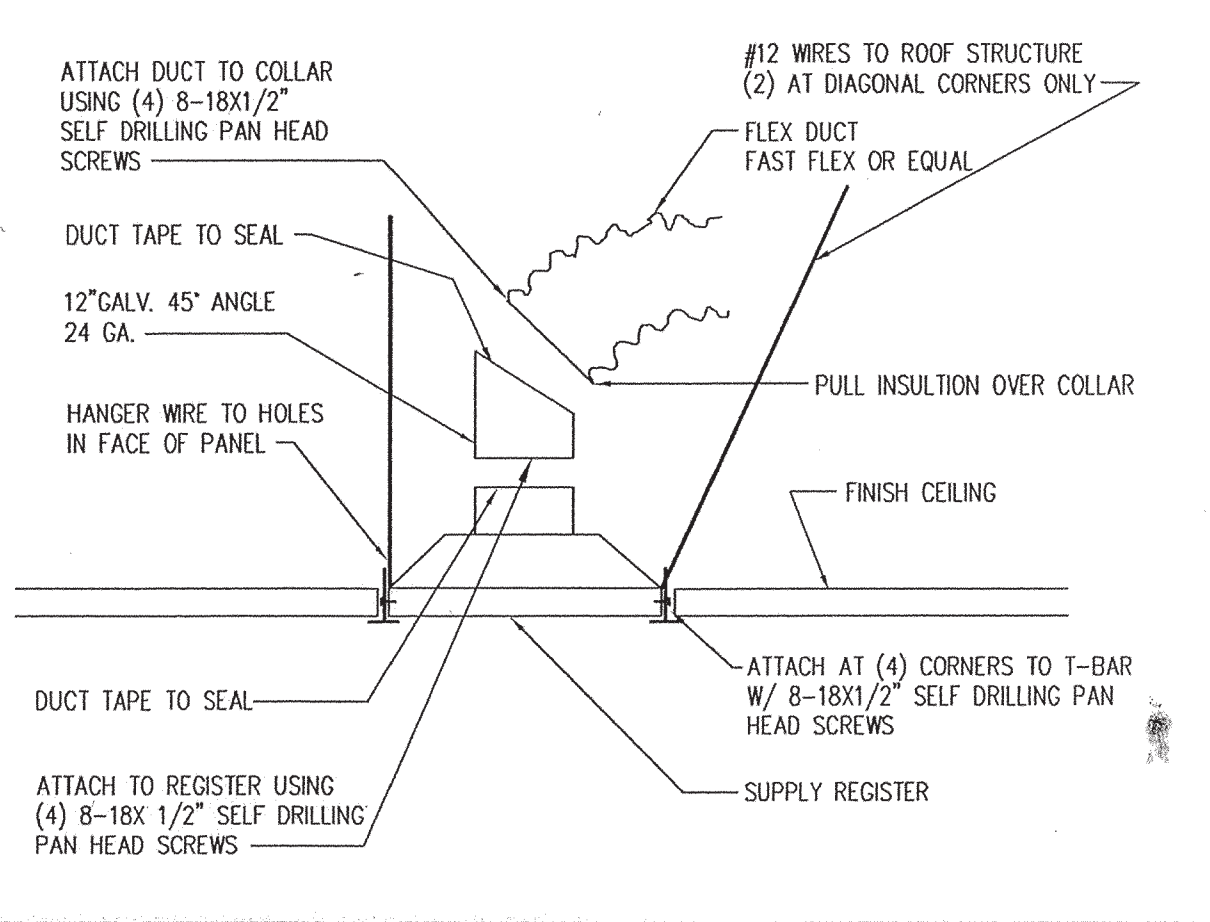
5 VERTICAL BRACE



6 ALTERNATE WIRE ATTACHMENT



7 LIGHTING FIXTURE DETAIL



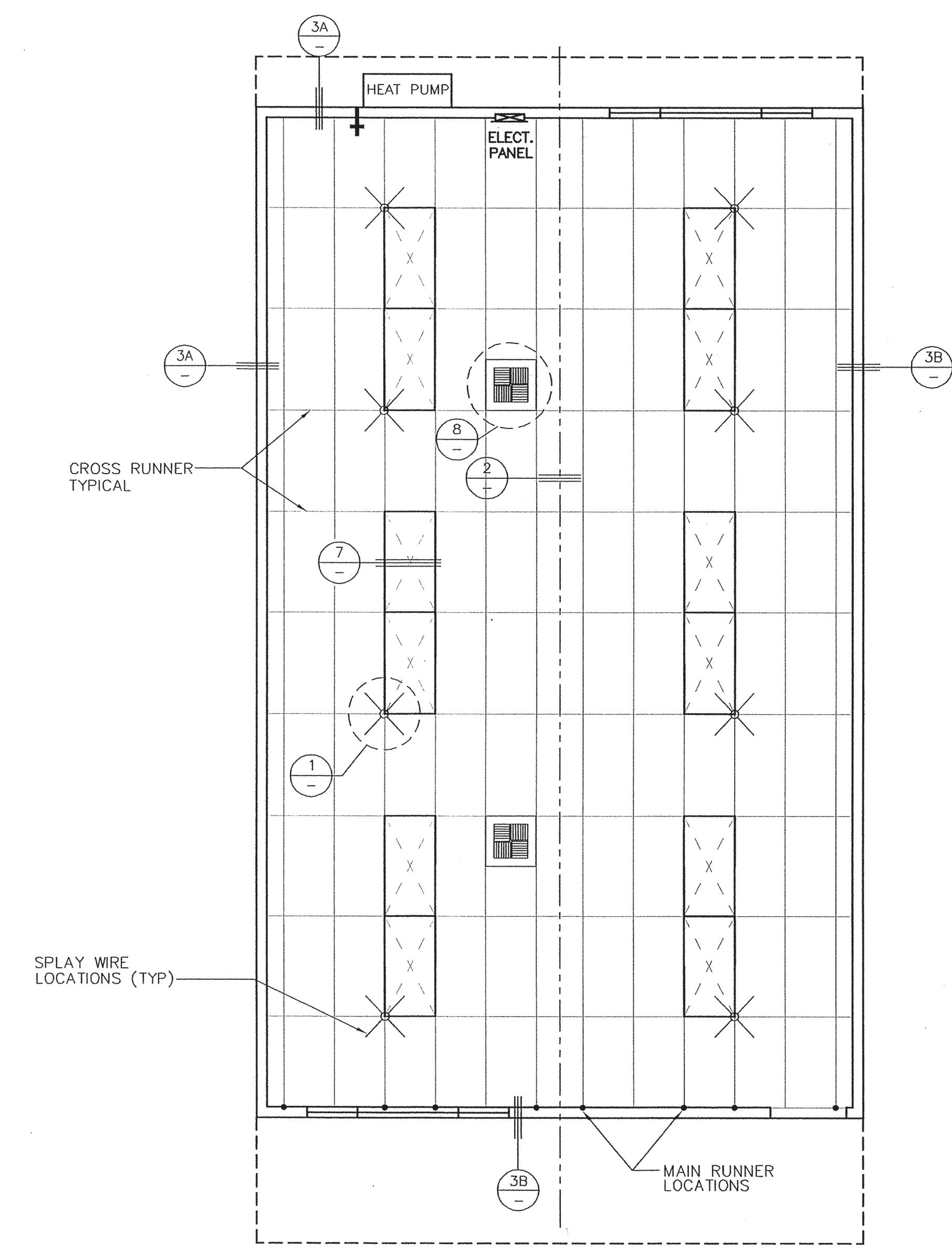
8 REGISTER BOX DETAIL

**KEY NOTES**

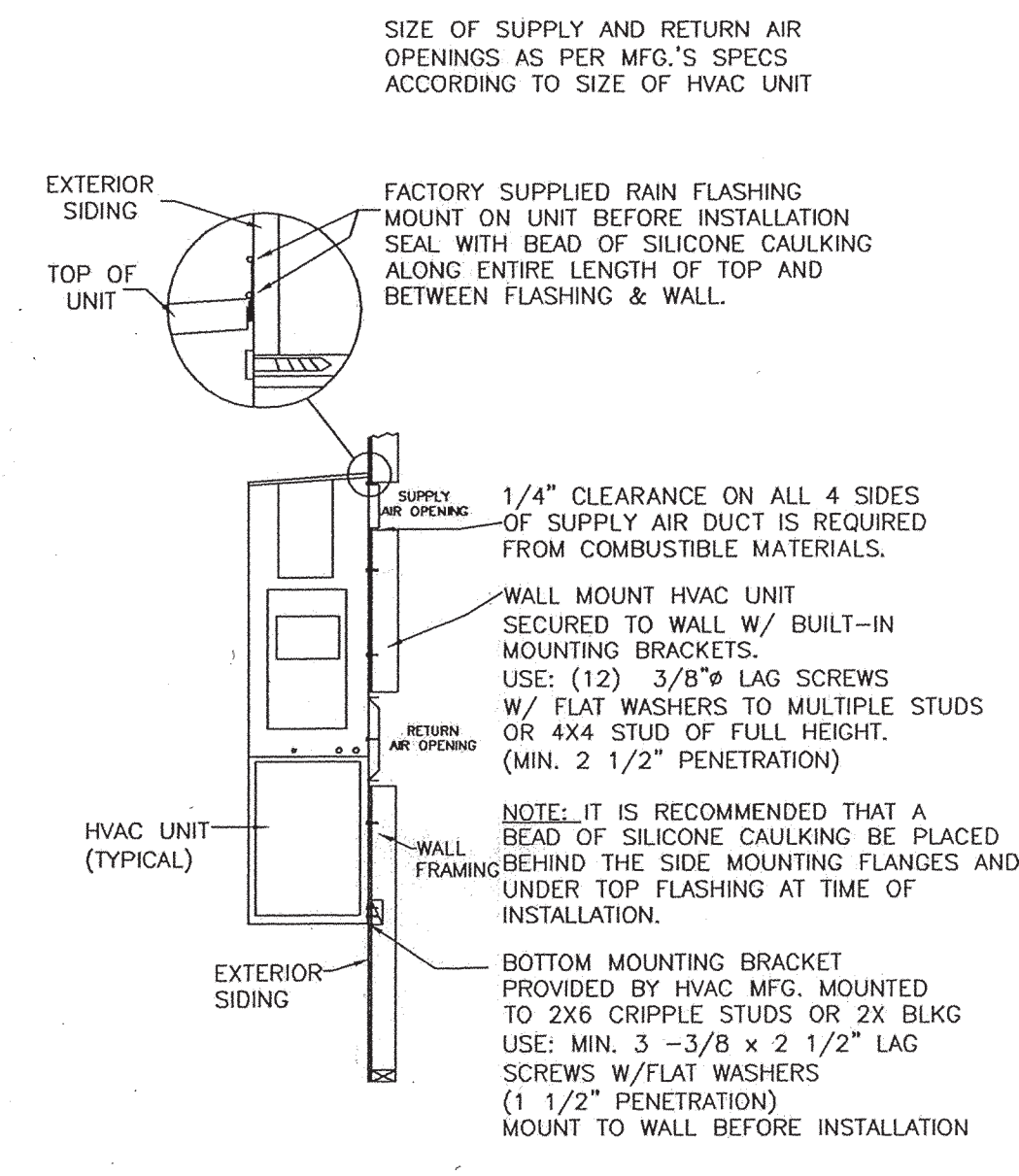
- 1 MAIN RUNNERS @ 4'-0" O.C. WITH HANGER WIRES SPACED @ 4'-0" O.C. MAX.
- 2 MAIN RUNNER: DONN CORP. DX-26 HEAVY DUTY
- 3 CROSS RUNNER: DONN CORP. DXO-424 HEAVY DUTY
- 4 WALL RUNNER: DONN CORP. M7-EV
- 5 TYPICAL HANGER WIRE TO BE 12 GA. STEEL WIRE ATTACHED TO STRUCTURE ABOVE AND TO GRID WITH (3) TIGHT TURNS WITHIN 1 1/2" - SEE DETAIL 4
- 6 TYPICAL SPLAY WIRE TO BE 12 GA. STEEL WIRE ATTACHED TO STRUCTURE ABOVE AND TO GRID WITH (4) TIGHT TURNS WITHIN 1 1/2" - SEE DETAIL 4
- 7 AT END OF ROWS OF RUNNERS, A HANGER WIRE SHALL BE ATTACHED WITHIN 8" (OF ANY WALL OR SOFFIT,) OR 1/4 LENGTH OF END TEE WHICHEVER IS LEAST
- 8 VERTICAL WIRES MORE THAN 1:6 OUT OF PLUMB SHALL HAVE COUNTERBALANCE WIRES INSTALLED. ADJOINING WALLS; AT OTHER WALLS NO ATTACHMENT. A 1/2" CLEARANCE BETWEEN END OF RUNNER AND FACE OF WALL. WIRES INSTALLED AS INDICATED ON PLAN. SPLAY WIRES SHALL BE TAUT BUT NOT DISTORTED.
- 9 RUNNERS MAY BE ATTACHED TO WALL MOLDING AT (2) ADJOINING WALLS; AT OTHER WALLS NO ATTACHMENT. WHERE THERE IS NO ATTACHMENT THERE SHALL BE A 1/2" CLEARANCE BETWEEN END RUNNER AND FACE OF WALL.
- 10 CEILING AREAS EVERY 144 SQ. FT. OR LESS SHALL HAVE SPLAY WIRES INSTALLED AS INDICATED ON CEILING PLAN. SPLAY WIRES SHALL BE TAUT BUT SHALL NOT DISTORT GRID.
- 11 ELECTRICIAN SHALL PROVIDE (2) SLACK HANGER WIRES AT OPPOSITE CORNERS OF ALL LIGHT FIXTURES. WIRES SHALL BE ATTACHED TO STRUCTURE ABOVE PER NOTE 5. LIGHT FIXTURES SHALL BE ATTACHED TO CEILING GRID WITH (1) #8 SHEET METAL SCREW @ EACH CORNER.
- 12 DUCTWORK, IF REQUIRED, SHALL BE RIGIDLY ATTACHED TO STRUCTURE ABOVE AT INTERVALS NOT TO EXCEED 4'-0" AND SHALL NOT BE CLOSER THAN 6" TO ANY WIRE.
- 13 CEILING REGISTERS, WHEN INDICATED ON PLANS, SHALL BE ATTACHED TO STRUCTURE ABOVE PER NOTE 5.
- 14 CONT. WALL ANGLE WITH POP RIVET TO EACH MEMBER.
- 15 CONTINUOUS WALL ANGLE.
- 16 6d NAIL @ 16" O.C. INTO BLOCK OR STUD.
- 17
- 18 ROOF JOIST
- 19 ROOF BEAM
- 20 CLOSE OFF CROSS TEE - INSERT ONE END OF CROSS TEE INTO MAIN RUNNER WITH BAYONET. CUT OPPOSITE END TO FIT (IF LESS THAN 24"). INSERT MIN. 20 ga. MTL STRIP THRU MAIN RUNNER, SECURE TO CROSS TEE W/ (2) #8 TEK SCREWS AT EACH END.
- 21 VERTICAL BRACE - 1/2" STEEL EMT AT SPLAY WIRE LOCATIONS. (MAX. HT. OF 4'-0") DRILL 1/8" HOLE THRU CONDUIT AT TOP & BOTTOM. ATTACH CONDUIT TO JOIST ABOVE OR TO BLOCKING W/ (2) #12 SCREWS @ TOP & BOTTOM.

**LEGEND**

- SUPPLY AIR DIFFUSERS
- 2x 4' FLUORESCENT DROP-IN FIXTURE
- 4-WAY SPLAY WIRE SYSTEM
- EXHAUST FAN

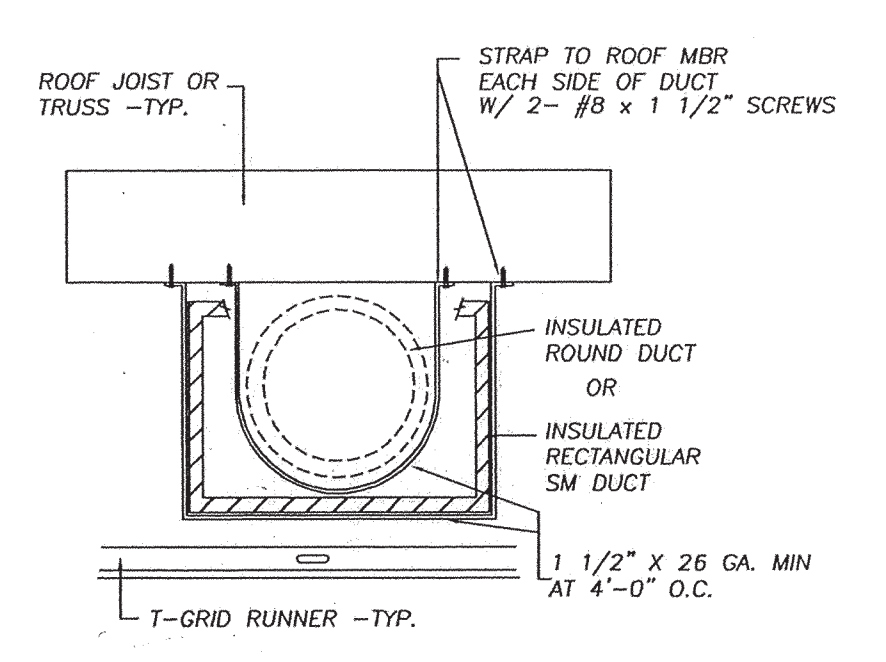


REFLECTED CEILING PLAN  
 SCALE: 1/4"=1'-0"



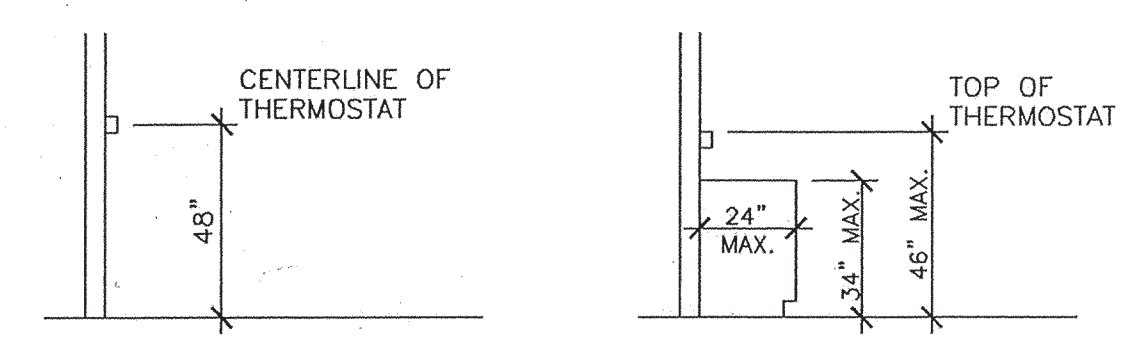
AIR FILTER: SEE GEN. NOTES ON ARCH'L SHEET OF PLANS

**HVAC MOUNTING**  
 SCALE: 3/8" = 1'-0"



FACTORY-MADE AIR DUCTS: SEE GENERAL NOTES ARCH'L SHEET OF PLANS

**DUCT MOUNTING**  
 SCALE: 1" = 1'-0"



**MOUNTING HEIGHT OVER OBSTRUCTION**

**MECHANICAL NOTES**

FLEXIBLE DUCT SHALL BE MODULAR METAL FABRICATORS SERIES FDMA R4.2 WITH INSULATION, A POLY JACKET, AND A WIRE ENCAPSULATED NON-PERFORATED CORE THAT COMPLIES WITH ASTM C-518, 1991. FLEXIBLE DUCTING SHALL BE UL LISTED CLASS 1 AIR DUCT WITH A FLAME SPREAD RATING NOT TO EXCEED 25, AND A SMOKE-DEVELOPED RATING NOT TO EXCEED 50 IN ACCORDANCE WITH NFPA 90A & 90B.

THERMOSTAT PROGRAMMING TO BE PERFORMED AND BATTERY PROVIDED BY OTHERS ON SITE.

TEST AND BALANCE OF HVAC SYSTEM TO BE PROVIDED AND PERFORMED BY OTHERS ON SITE.

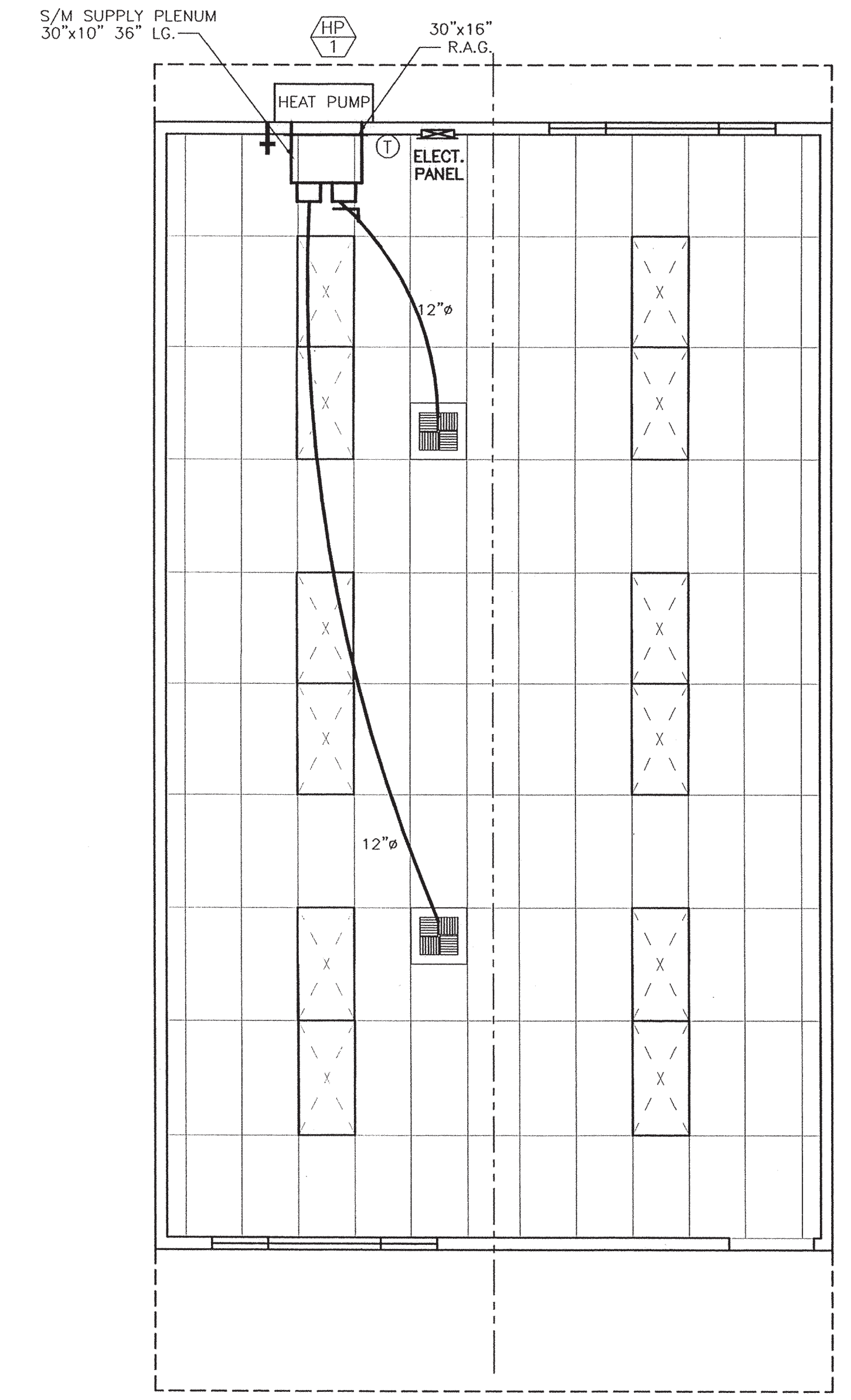
ALL HVAC EQUIPMENT LEAVES FACTORY WIRED FOR 240V. OPERATION. THE ACCEPTABLE OPERATING RANGE FOR THE 240 & 208 TAPS ARE:

TAP	RANGE
240	253-216
208	220-187

BARD HVAC OPENING @ SUPPLY		
10 SEER	SIZE	OPENING
WA/WH	1.0 TON	18 X 6
WA/WH	1.5 / 2.0 TON	21 X 9
WA/WH	2.5 / 3.0 TON	29 X 9
WA/WH	3.5 / 4.0 TON	31 X 11
12 SEER	SIZE	OPENING
WA/WH	2.0 TON	29 X 9
WA/WH	2.5 TON	29 X 9
WA/WH	3.0 TON	31 X 11
GAS/ELEC.	SIZE	OPENING
WG	2.0 / 2.5 TON	29 X 9
WG	3.0 TON	31 X 11

**EQUIPMENT & MATERIAL SCHEDULE**

- 3.5 TON STANDARD  
 HEAT PUMP 'BARD' WALLMOUNT, WH42-A05VP4-SKW  
 41,500 NOM. BTUH COOLING CAPACITY-10.00 SEER  
 41,000 NOM. BTUH HEATING CAPACITY FROM COMPRESSOR-6.60 HSPF  
 ADDITIONAL 17,065 NOM. BTUH HEATING CAPACITY FROM HEAT STRIP  
 MCA 60, MOCF 70, 1500 CFM @ .3 ESP, UNIT WEIGHT 510 LB.  
 MIN. WIRE SIZE #6, 230 VOLT, 60 CYCLE, SINGLE PHASE
- THERMOSTAT - WHITE ROGERS 1F92-371  
 AUTO CHANGEOVER, ELECTRONIC, 5+2 DAY  
 3 HEAT, 2 COOL, MOUNT AT +48" A.F.F.  
 USE STAT GUARD #F29-0277
- SUPPLY REGISTER, CEILING, SHOEMAKER  
 104-0BD, 16x16-12, T-BAR, OBD  
 4 WAY FIXED CURVE BLADE, U.N.O.
- SUPPLY REGISTER, CEILING, AIRMATE  
 604M 8x8, MLD, 4 WAY FIXED BLADE  
 U.N.O.
- EXHAUST FAN 109 CFM, BROAN #L100 WITH  
 6" DUCT TO BROAN # 634 ROOF CAP
- SUPPLY BALANCE DAMPER (SIZE AS NOTED)



**MECHANICAL PLAN**

RECEIVED  
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 WESTERN DIVISION

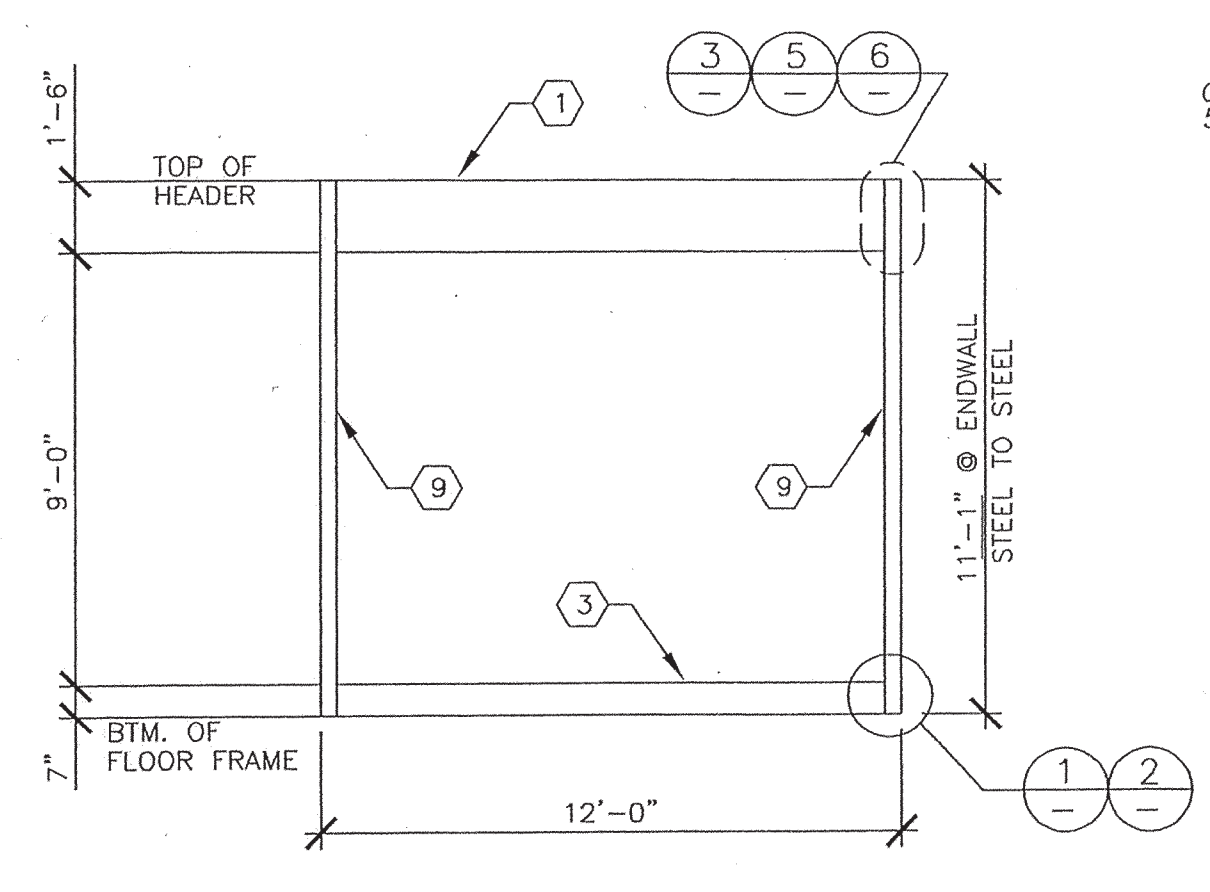
ARCHITECT STAMP	PROJECT	24'x40' MODULAR CLASSROOM BUILDING
DATE SIGNED JUL 15 2003	TITLE	24'x40' MECHANICAL PLAN
STRUCTURAL ENGINEER STAMP	JOB #	03-1014
DATE	7/11/03	
DRAWN BY	JAG	
SCALE	1/4"=1'-0"	
APPROVED		
REVISIONS		
SHEET NO.	M-1.1-24	

**MSI**  
 MODULAR STRUCTURES INTERNATIONAL, INC.  
 820 CITRUS AVE. RIVERSIDE, CALIFORNIA 92507  
 PHONE: (951) 788-3035 FAX: (951) 788-1523

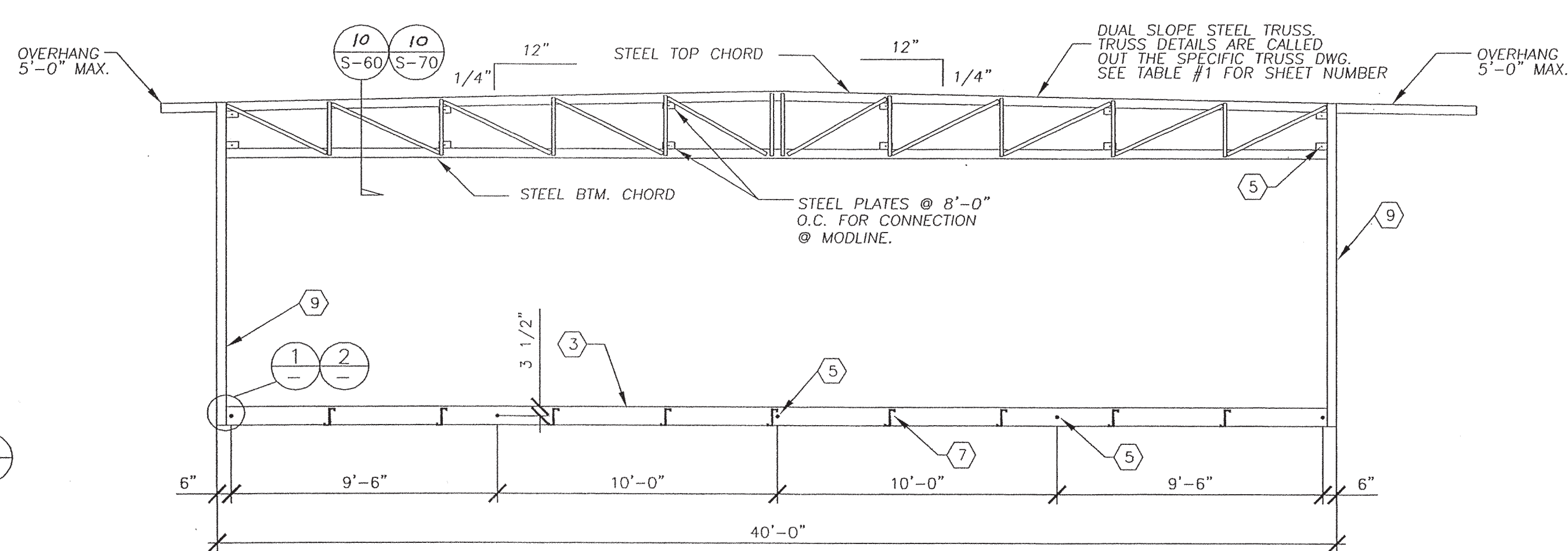
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**STRUCTURAL SECTION AT ENDWALL**  
 SCALE: 1/4" = 1'-0"



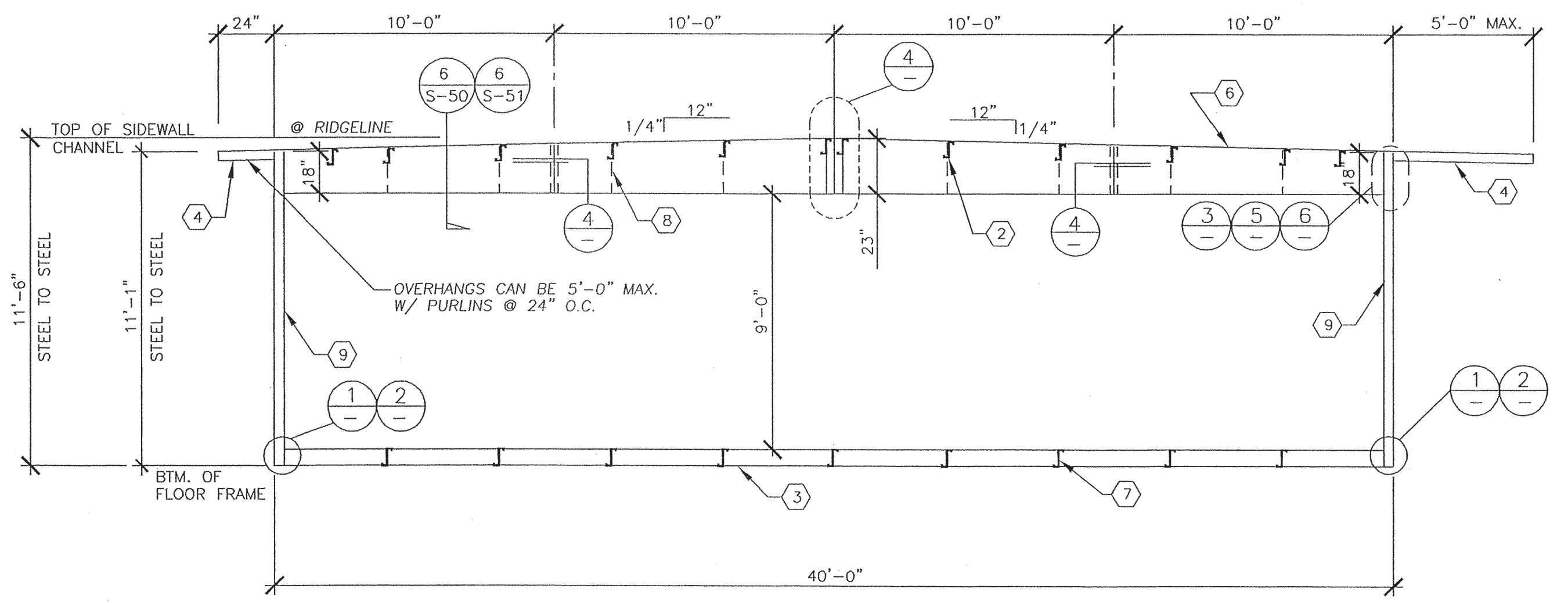
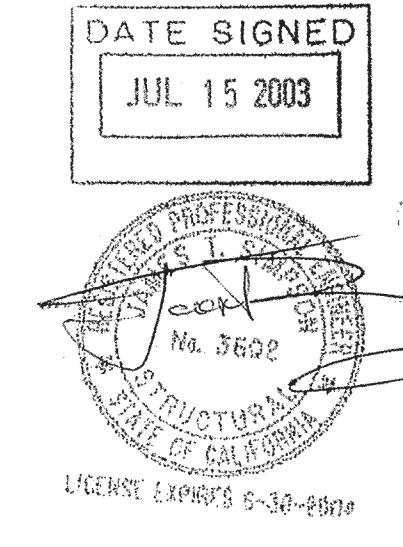
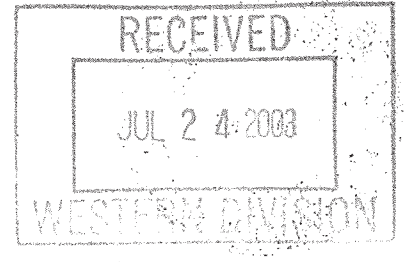
**MODLINE SECTION W/ DOUBLE SLOPE TRUSS, SEE SPECIFIC TRUSS DRAWING PER TABLE #1 FOR DETAILED INFORMATION**  
 SCALE: 1/4" = 1'-0"

TRUSS TABLE #1	
SHEET #	TRUSS DESCRIPTION
S-60	DUAL SLOPE 20 PSF ROOF LOAD, 80 MPH WIND LOAD
S-70	DUAL SLOPE 30 PSF ROOF LOAD, 80 MPH WIND LOAD

**KEY NOTES**

- 3 1/2" x 18" x 12 Ga. RFC STEEL ROOF HEADER.
- 6" x 2 x 14 Ga. STEEL ROOF JOIST FOR 20 PSF ROOF OR 7" x 1 1/2 x 11 Ga. FOR 30 PSF ROOF.
- C7" x 9.8 LB. PERIMETER FRAME
- 10"x3"x12 GA. CHANNEL AT OVERHANG OR OPTIONAL L 4"x3"x3/8" PURLIN & OUTRIGGER AT 20 PSF ROOF OR L 5"x3"x3/8" OUTRIGGER & L 4"x3"x3/8" PURLIN AT 30 PSF ROOF
- 5/8" MACHINE BOLT @ MODULE CONNECTION LOCATIONS
- TAPERED 10 GA. CHANNEL SECTION, BEAM. 18" x 23" x 18" x 3 1/2" x 10 GA.
- 1" MEMBER - FLOOR JOIST.
- 1/4" PLATE FULL HT. STIFFENER AT 4' O.C.
- STEEL COLUMN - USE 3 1/2" x 3 1/2" x 1/4" TUBE AT CORNERS.
- NOT USED.
- 1/4" CAP PLATE.
- 1/4" PLATE FITTED INSIDE TUBE COLUMN AND WELD IN PLACE.

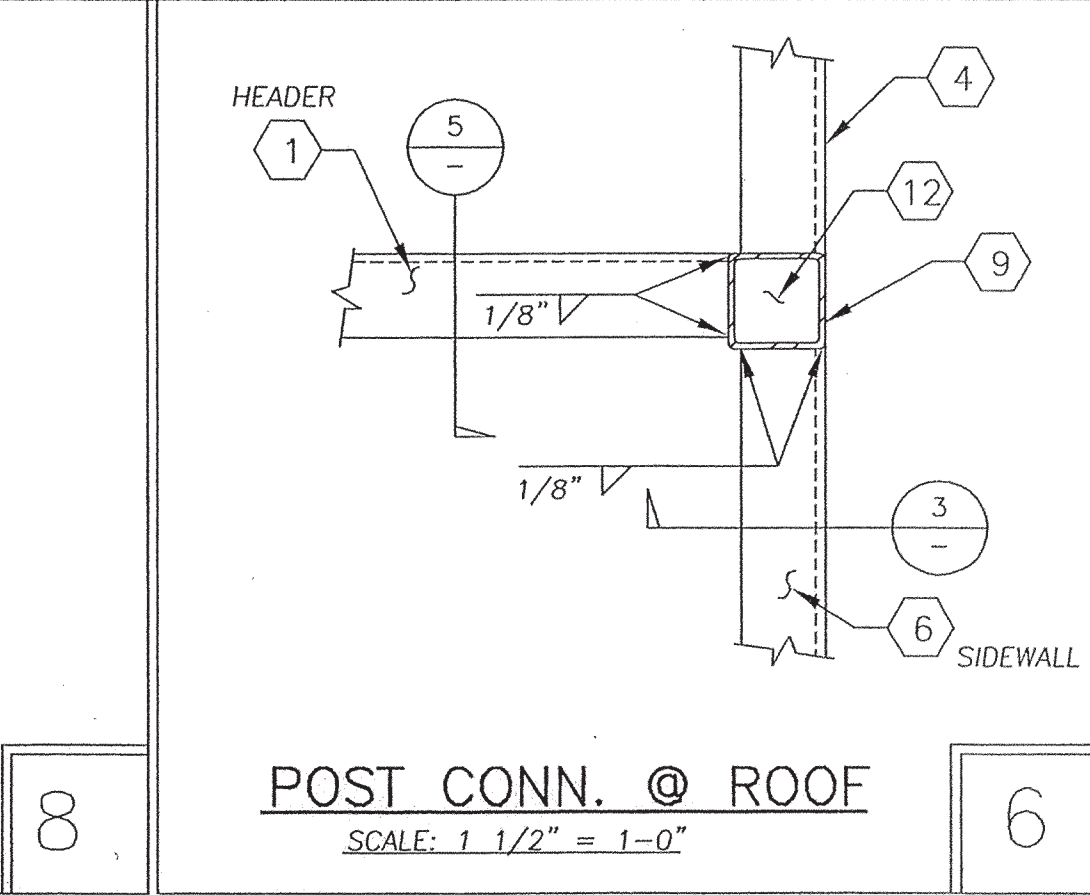
BUILDING HEIGHT NOTE:  
 THE BUILDING HEIGHTS SHOWN ON THESE DETAILS DO NOT INCLUDE THE PLYWOOD ROOF DECK OR THE FINISH ROOFING MATERIALS.



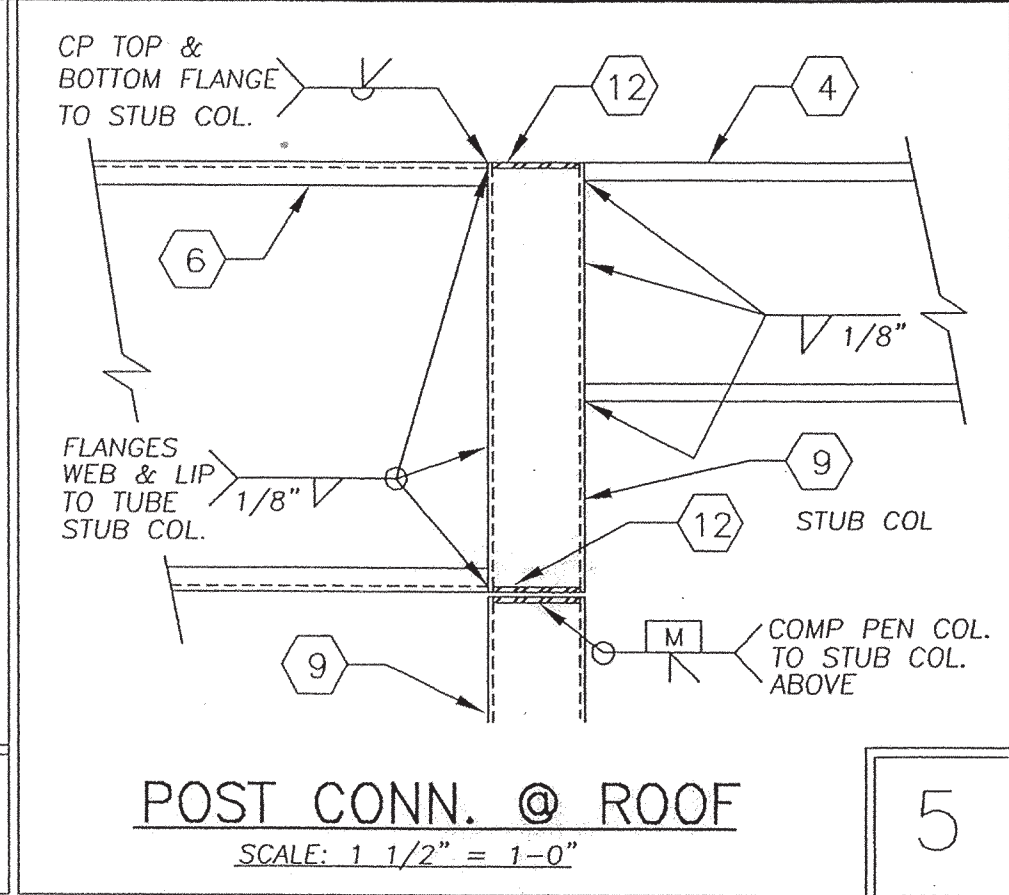
**STRUCTURAL SECTION AT SIDEWALL**  
 SCALE: 1/4" = 1'-0"

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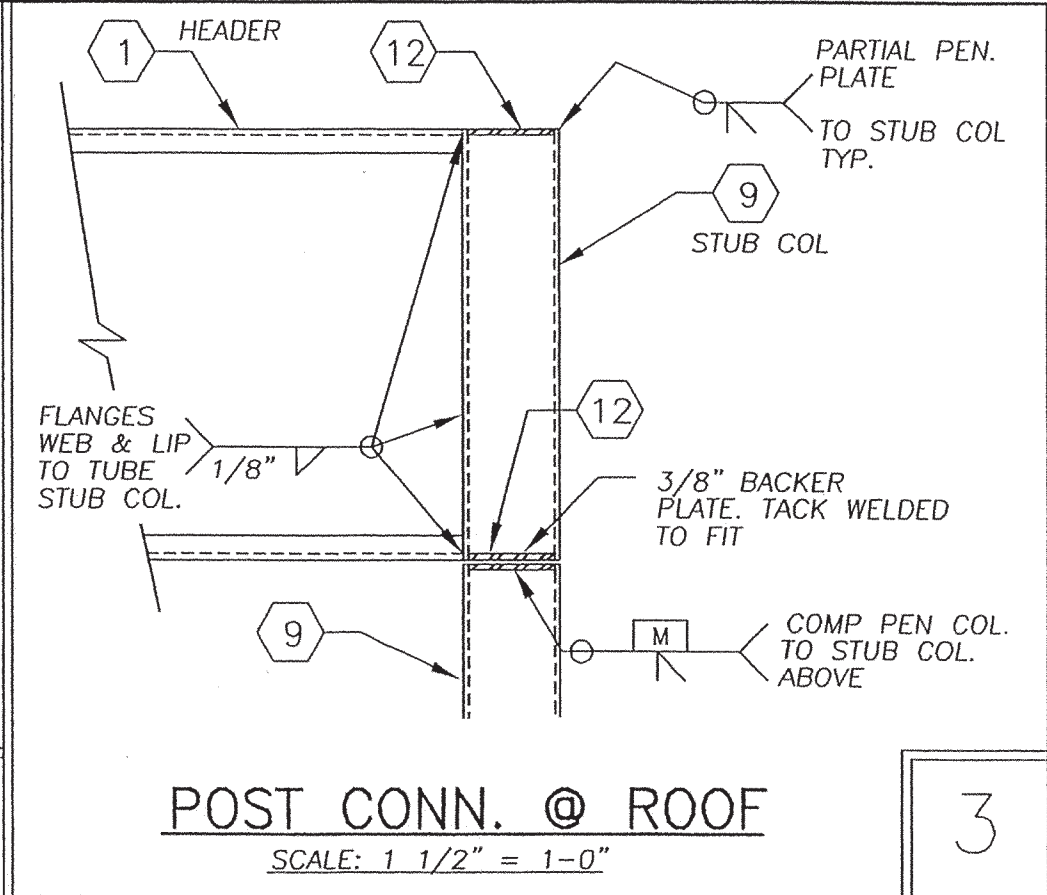
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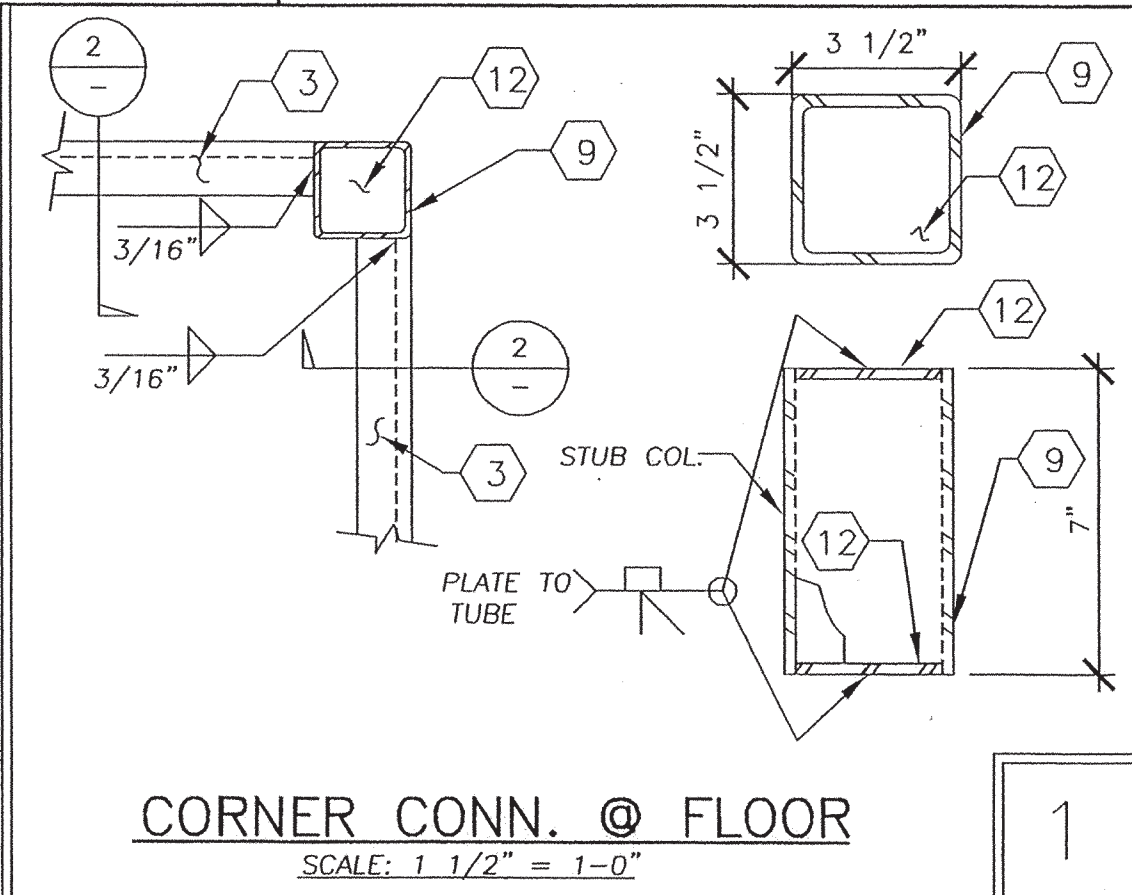
**POST CONN. @ ROOF**  
 SCALE: 1 1/2" = 1'-0"



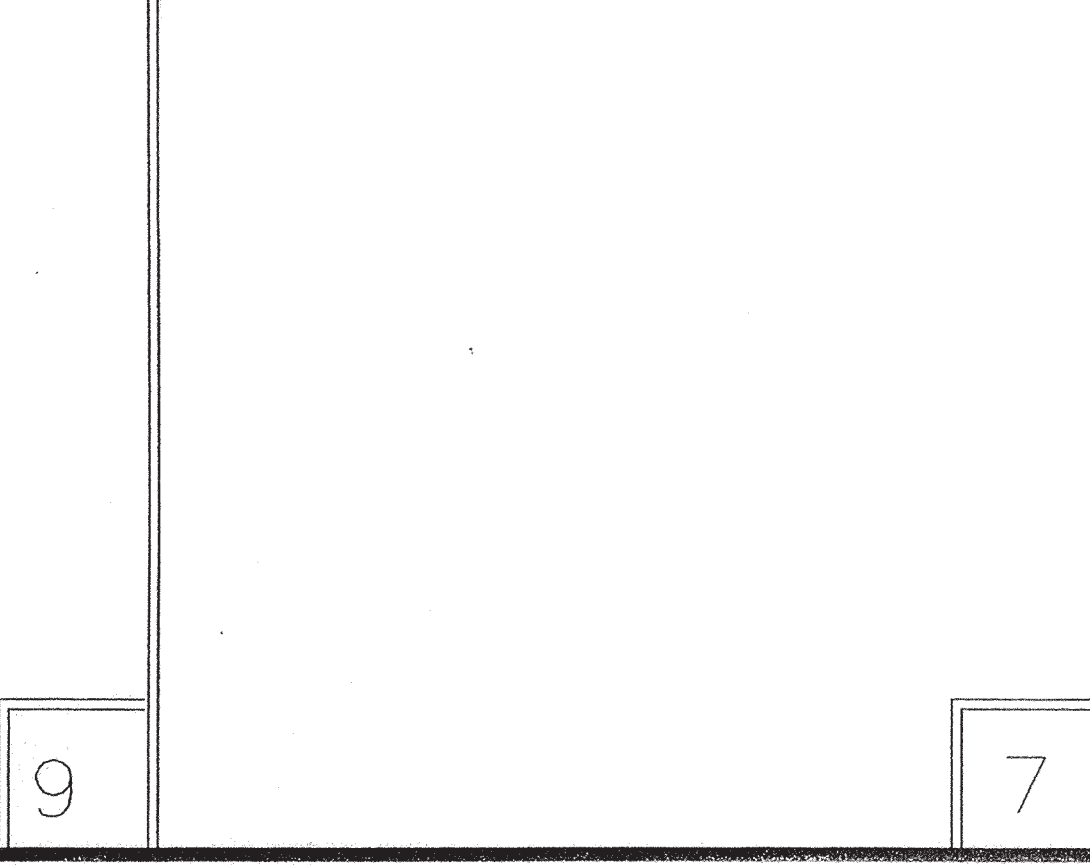
**POST CONN. @ ROOF**  
 SCALE: 1 1/2" = 1'-0"



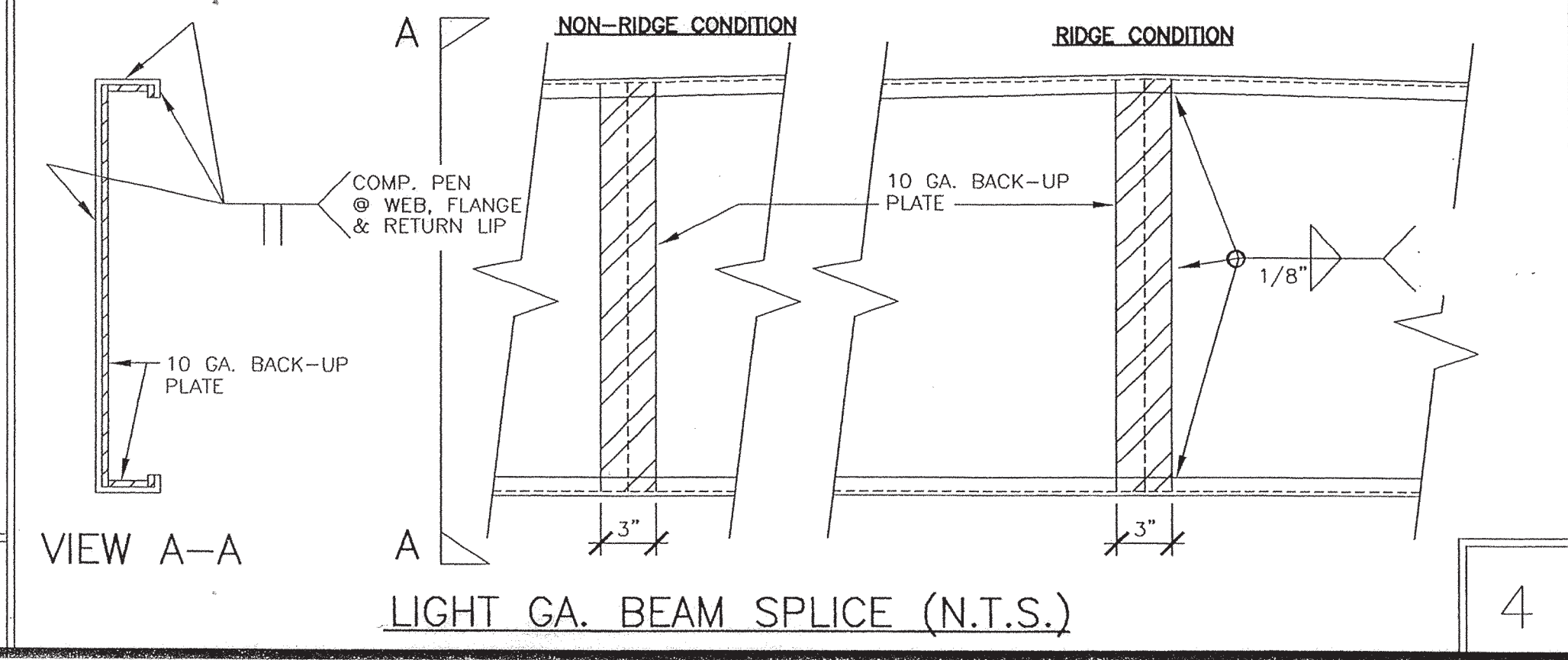
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 SCALE: 1 1/2" = 1'-0"



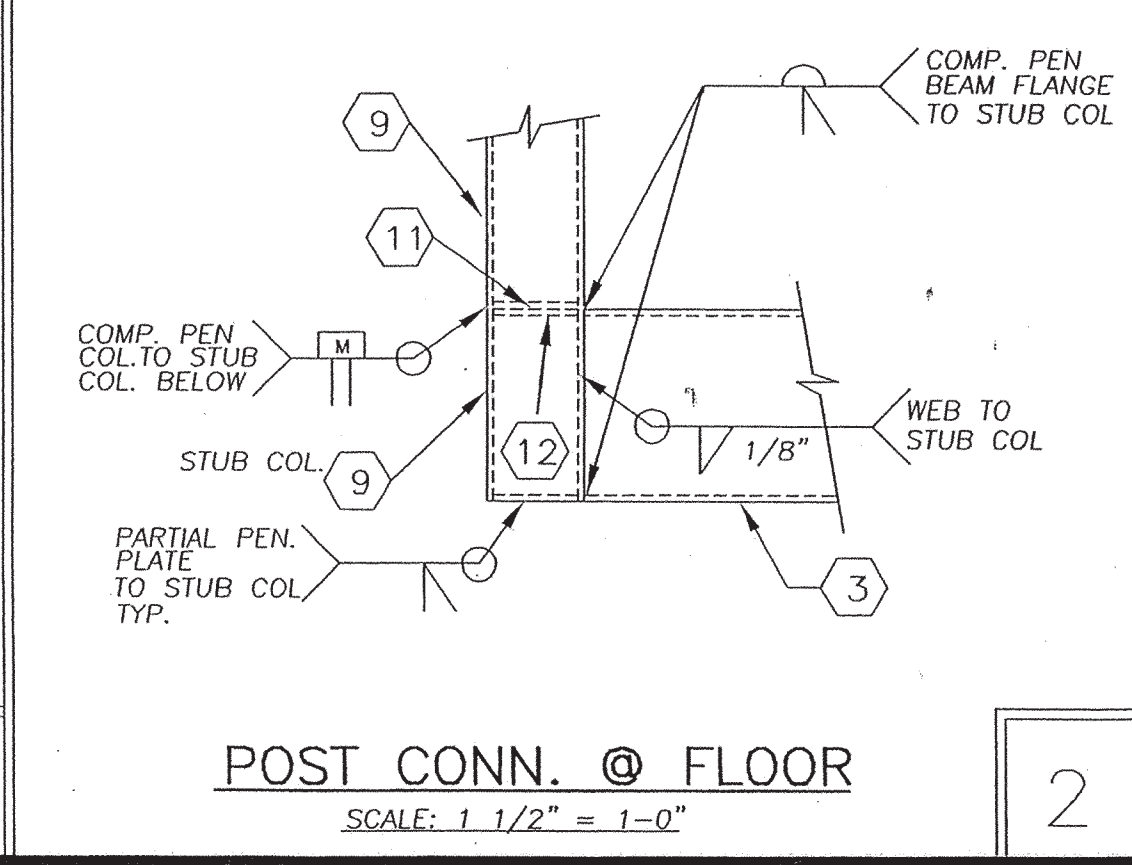
**CORNER CONN. @ FLOOR**  
 SCALE: 1 1/2" = 1'-0"



**VIEW A-A**



**LIGHT GA. BEAM SPLICE (N.T.S.)**



**POST CONN. @ FLOOR**  
 SCALE: 1 1/2" = 1'-0"

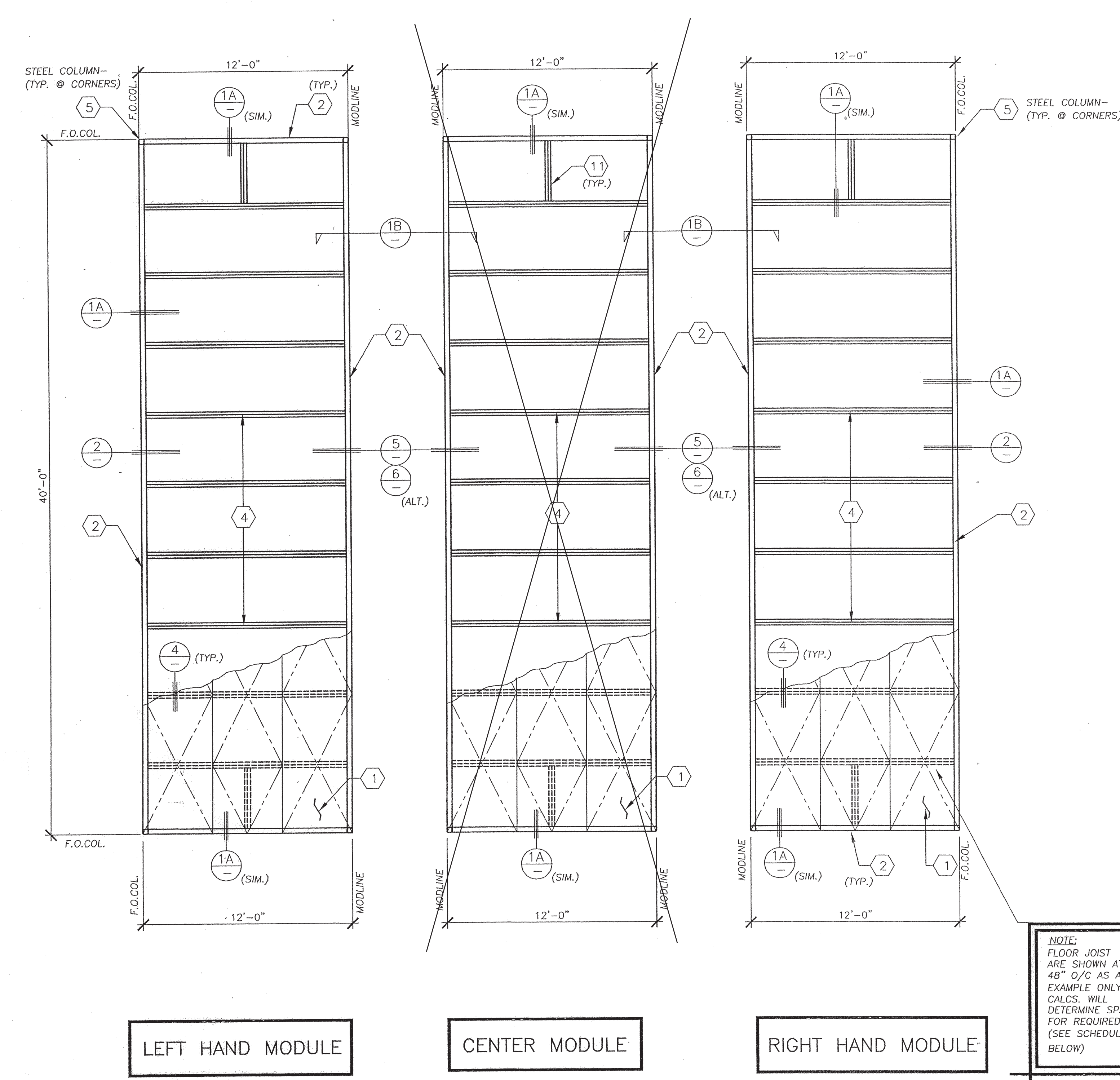
PROJECT: MODULAR CLASSROOM BUILDING  
 TITLE & BLDG. DATA: RIGID FRAME SECTION & DETAILS DUAL SLOPE W/ MODLINE TRUSS  
 WIND LOAD: 80 MPH  
 ROOF LOAD: 20 & 30 PSF  
 FLOOR LOAD: 50, 50+20, 100 & 125 PSF

DATE: 12/1/02  
 DRAWN BY: JAG  
 SCALE: 1/4" = 1'-0"  
 APPROVED: [Signature]  
 REVISIONS:

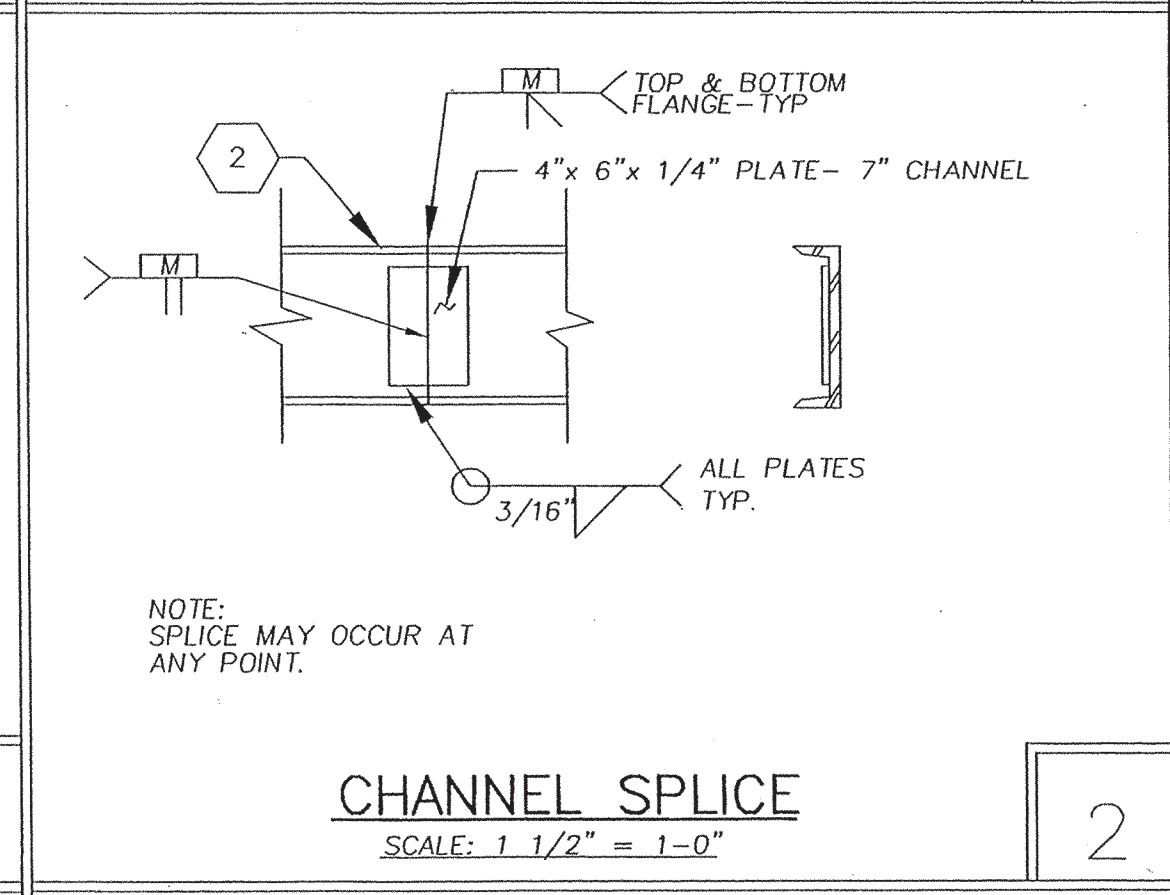
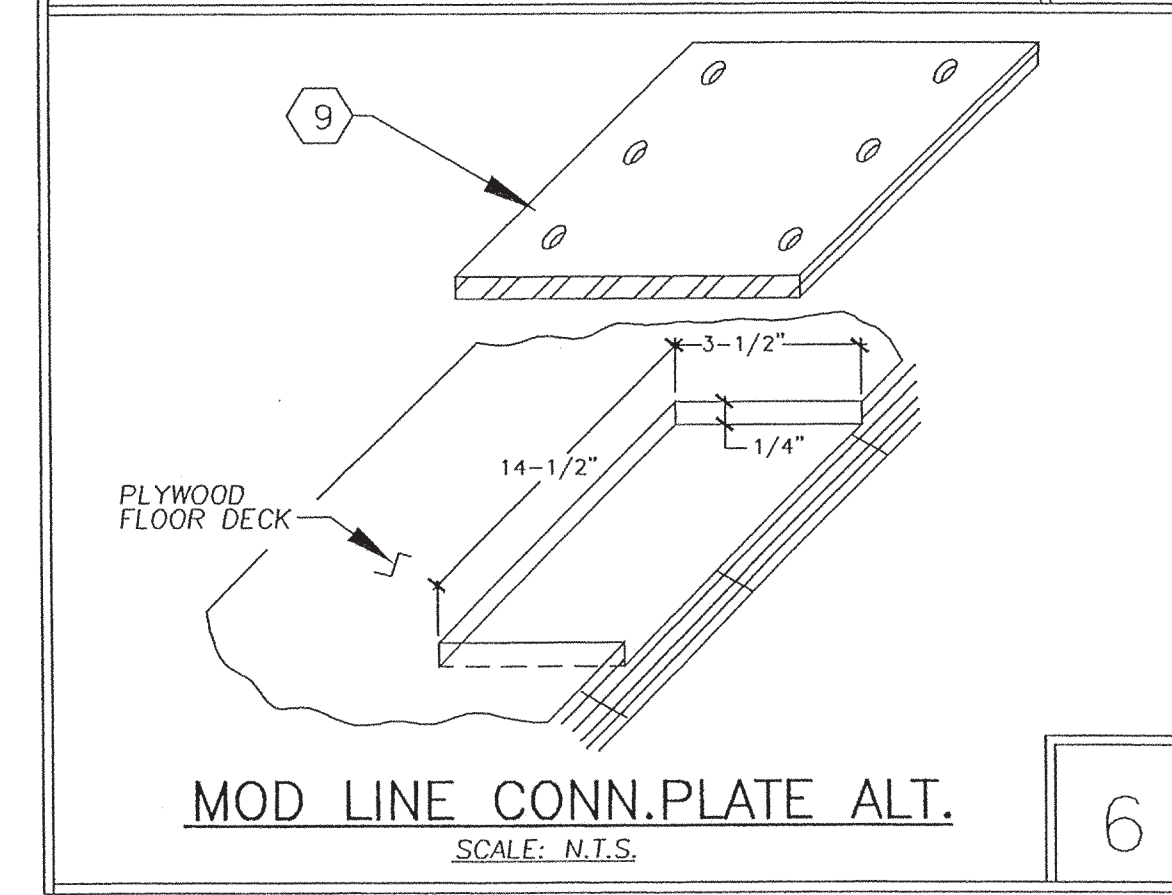
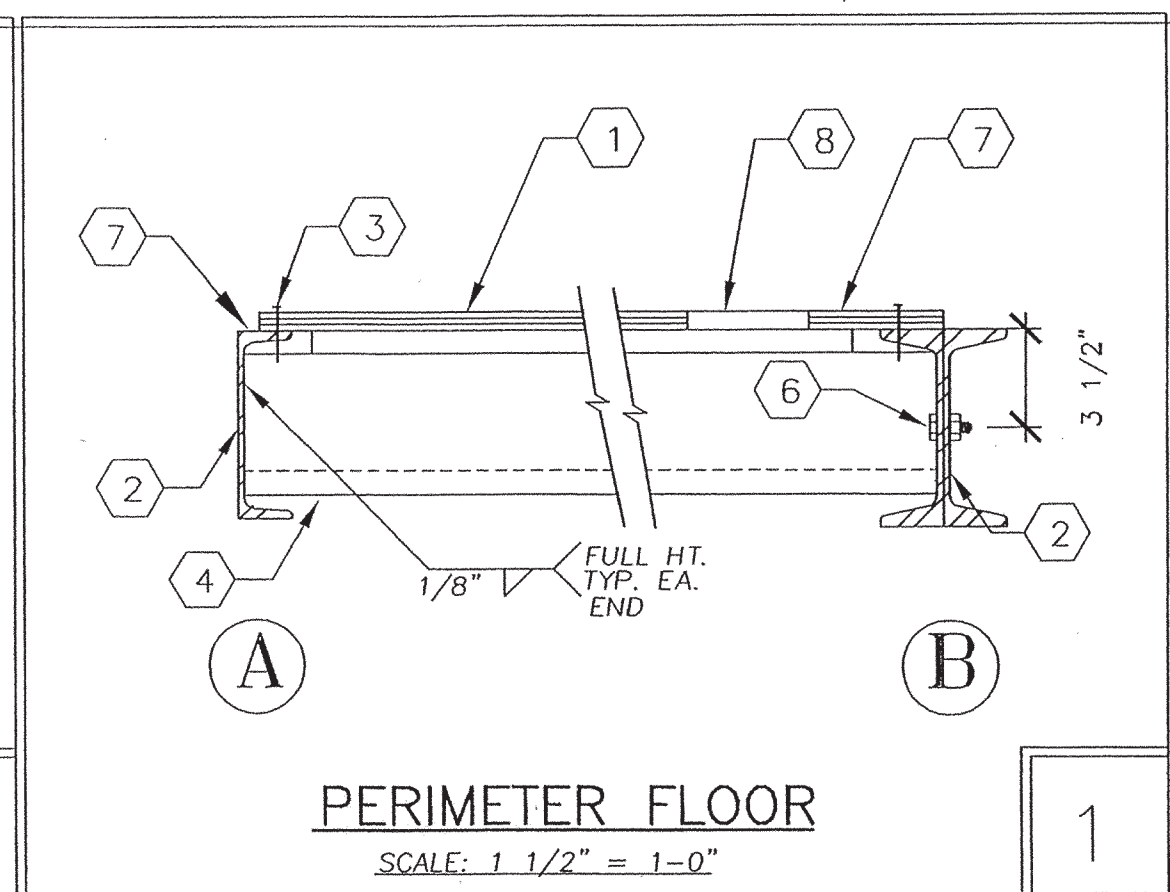
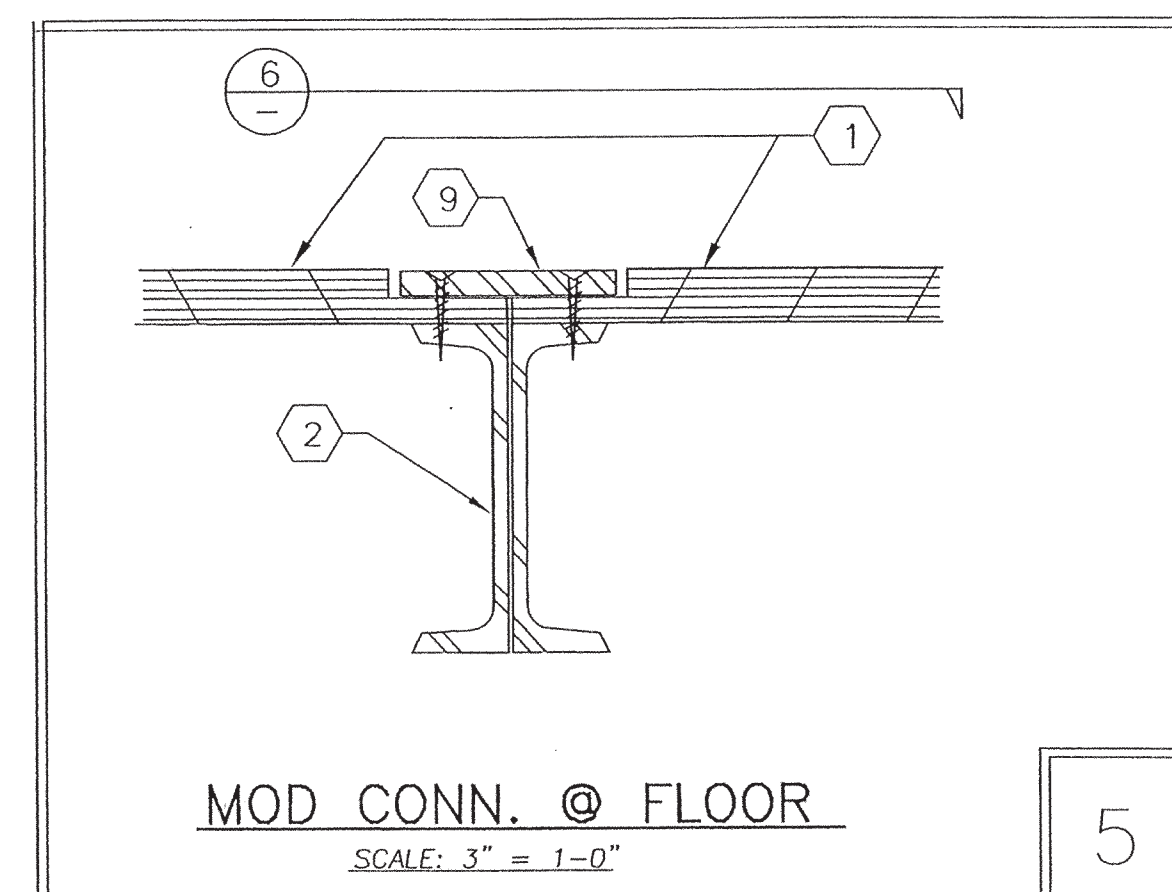
IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 04 105453  
 AC: [Signature] PLS: [Signature]  
 DATE: JUL 17 2003

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 4-104778  
 AC: [Signature] PLS: [Signature]  
 DATE: 5-30-03

SHEET NO. S-5



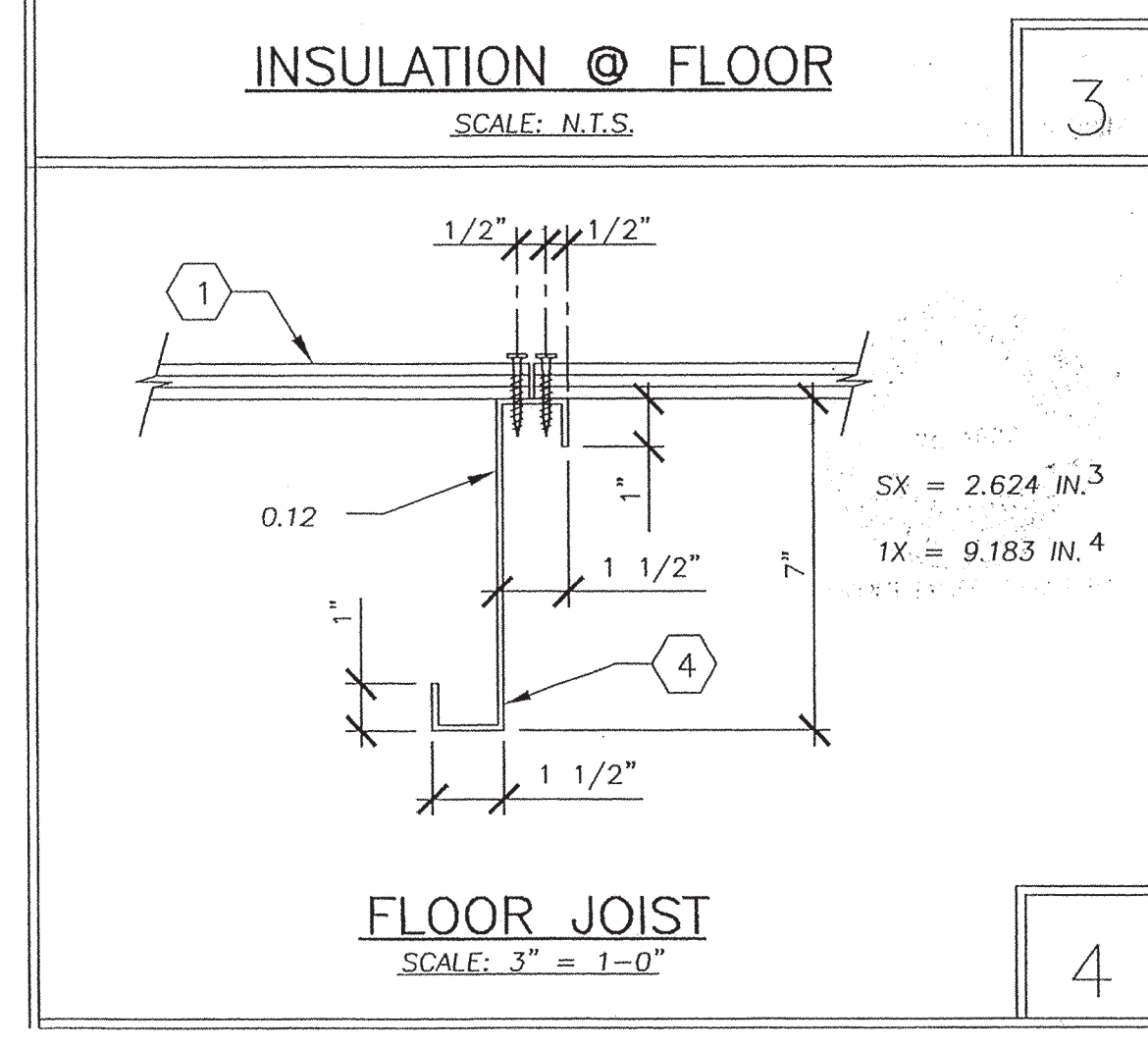
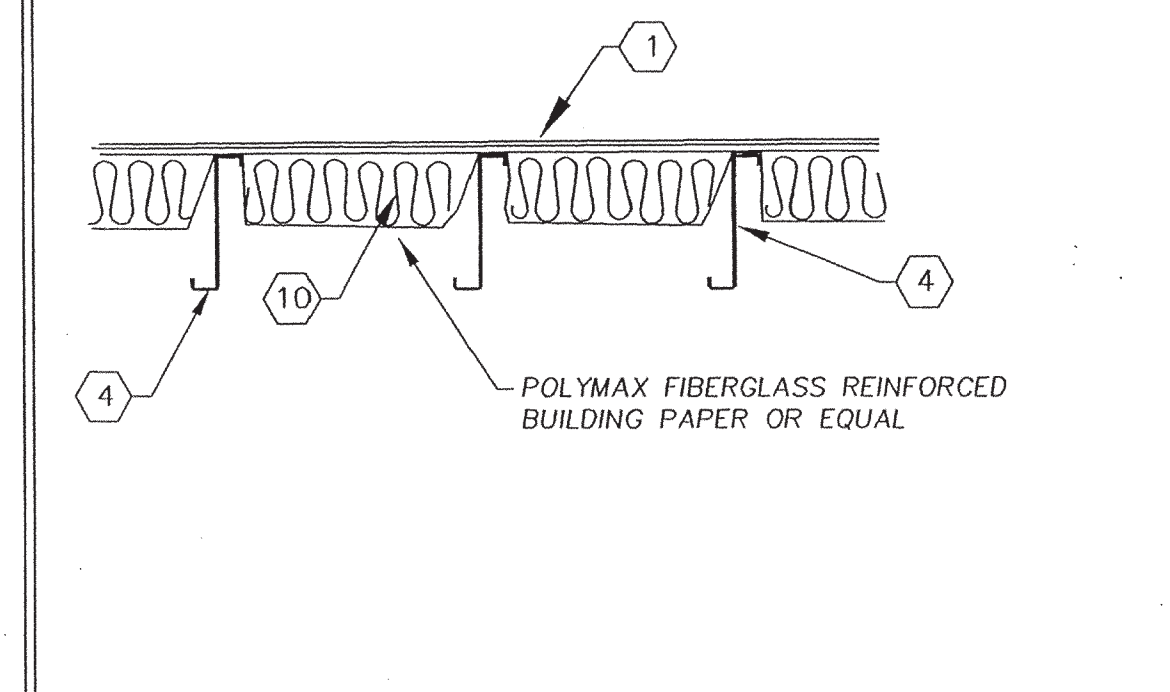
FLOOR FRAMING PLAN  
 SCALE 1/4" = 1'-0"



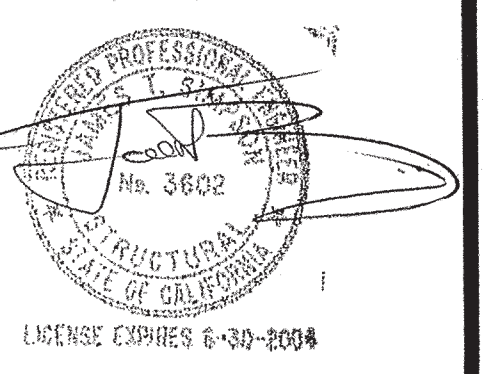
KEY NOTES

- PLYWOOD FLOOR SHEATHING - 1 1/8" A.F.A. RATED OR EQUAL, P.S. 1-95 T & C EDGES, 48" SPAN RATING, ATTACH TO STEEL FRAMING WITH .170/192 PIN OR #10-24x1 3/4" SELF TAP SCREW @ 6" O.C. BOUNDARY & EDGES AND 10" O.C. FIELD.  
 NOTE: PROVIDE FIELD NAILING @ 6" O.C. WHERE FLOOR JOISTS ARE AT 48" O.C.
- 0.7" x 9.8 LB. PERIMETER FRAME
- 0.145" SHOT PIN @ 6" O.C. PLYWOOD DECK TO PERIMETER CHANNEL
- FLOOR JOIST MEMBER. SEE SCHEDULE BELOW.
- STEEL CORNER COLUMN.
- 5/8" MACHINE BOLT AT 10'-0" O.C. @ MODULE CONNECTION.
- AT MODULE JOINT TAKE PLYWOOD TO EDGE OF CHANNEL. AT PERIMETER, HOLD PLYWOOD BACK AS INDICATED.
- 5" DIA. HOLE AT BOLT LOCATION. (OPTIONAL)
- 6" x 14" x 12 GA. PLATE WITH (6) #10-34 x 1 3/4" FLAT HEAD SELF TAP SCREWS INTO STEEL CHANNEL FRAME @ 10" O.C.
- R-11 INSULATION OR 'SEAL TIE' TYPE HW POLYMAX UNDERBELLY OR EQUAL WITH BIDIRECTIONAL POLYESTER FIBERS.
- 7"x1 1/2"x11 GA. 'Z' MEMBER @ MIDSPAN.

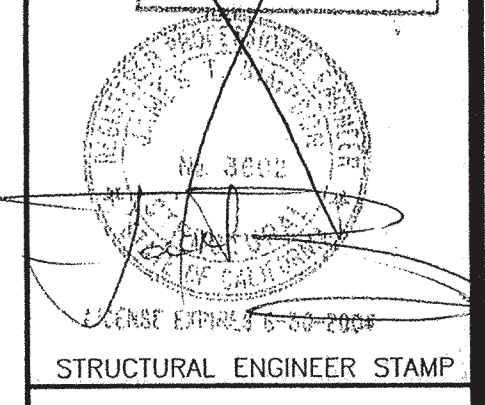
FLOOR JOIST SCHEDULE		
LOAD	JOIST	SPACING
50 PSF	Z 7x1 1/2x11 GA.	48" O.C.
50+26 PSF	Z 7x1 1/2x11 GA.	32" O.C.
100 PSF	Z 7x1 1/2x11 GA.	24" O.C.
125 PSF	Z 7x1 1/2x11 GA.	16" O.C.



DATE SIGNED  
 JUL 15 2003



ARCHITECT STAMP  
 DATE SIGNED  
 MAY 2 2003



IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 105459  
 DATE JUL 1 2003

STATE AGENCY STAMP  
 pc  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 4-104778  
 AC FLS SS  
 DATE 5-30-03

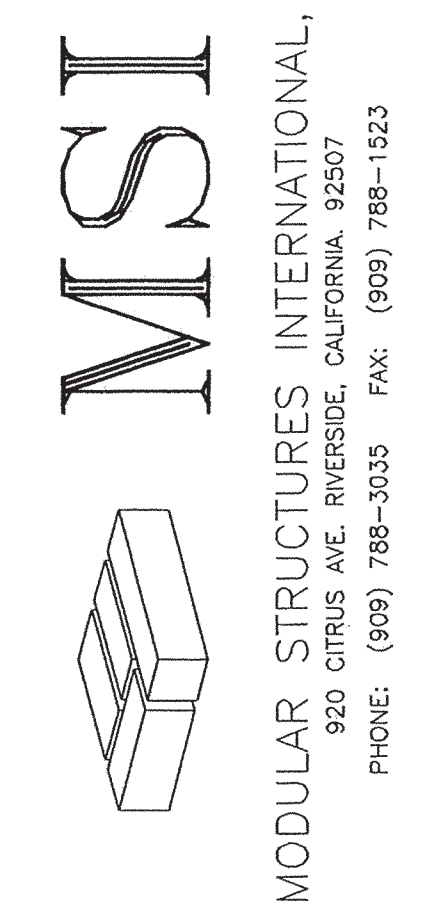
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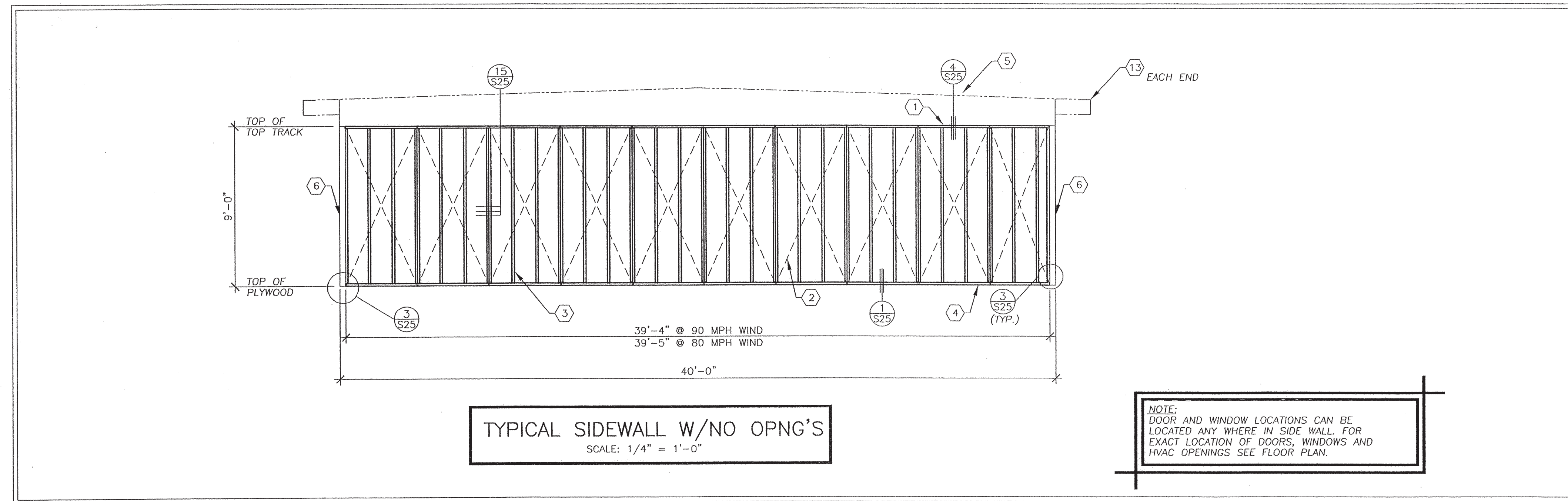
PROJECT: MODULAR CLASSROOM BUILDING  
 TITLE & BLDG. DATA: FLOOR FRAMING PLAN AND DETAILS FOR PLYWOOD FLOOR  
 JOB #  
 WIND LOAD: 80 & 90 MPH  
 ROOF LOAD: 20 & 30 PSF  
 FLOOR LOAD: 50, 50+20, 100 & 125 PSF

DATE 12/1/02  
 DRAWN BY JAG  
 SCALE AS NOTED  
 APPROVED  
 REVISIONS  
 SHEET NO. S-10

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 WESTERN DIVISION



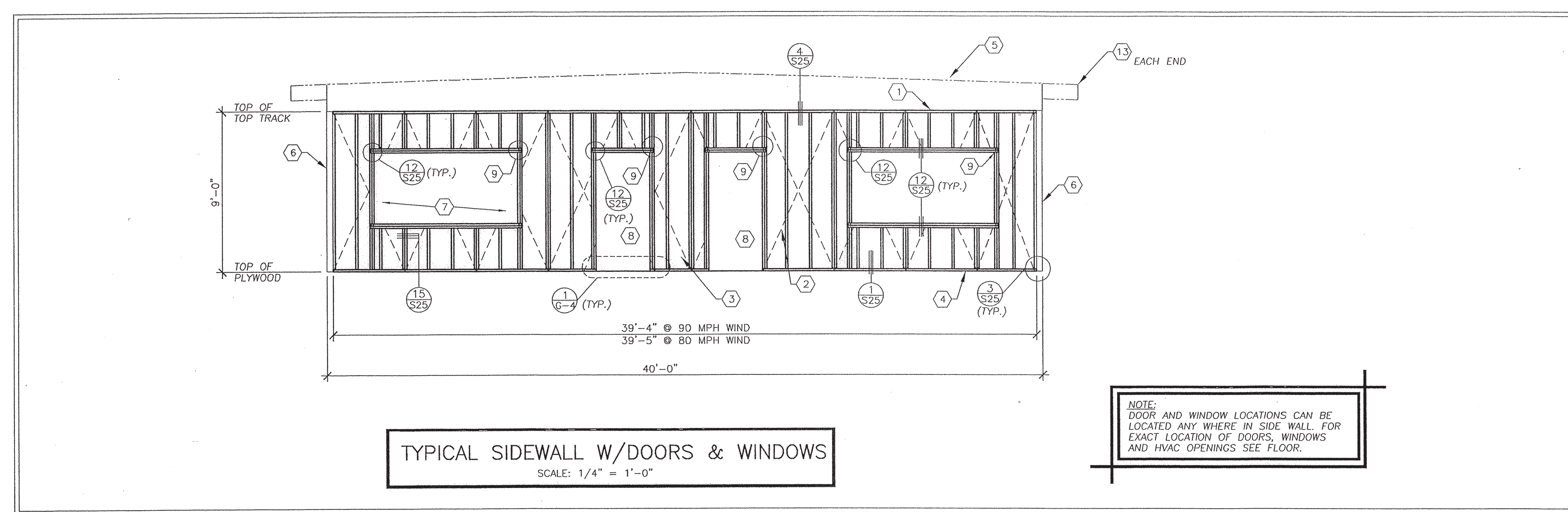
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TYPICAL SIDEWALL W/NO OPNG'S  
 SCALE: 1/4" = 1'-0"

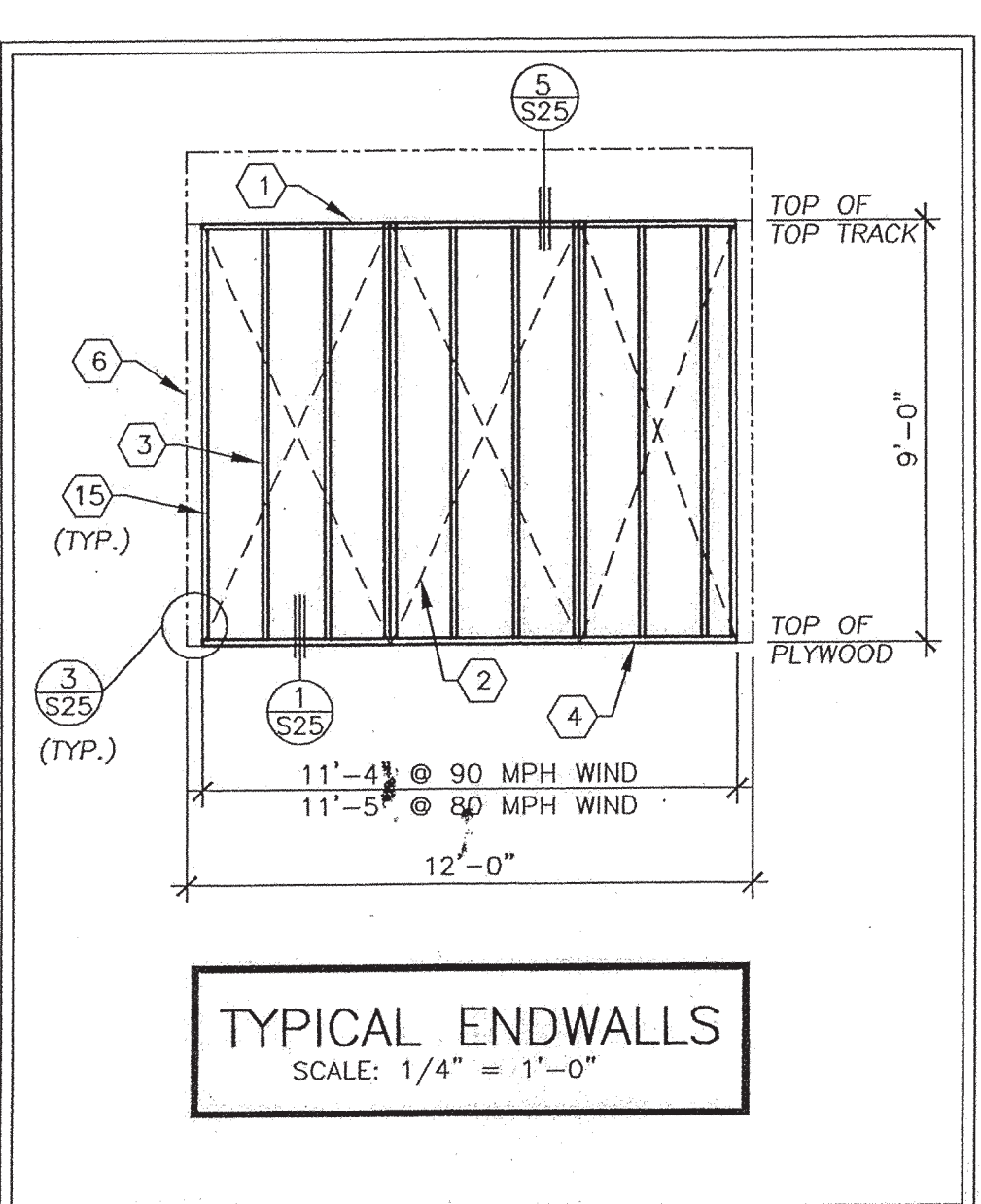
NOTE:  
 DOOR AND WINDOW LOCATIONS CAN BE LOCATED ANY WHERE IN SIDE WALL, FOR EXACT LOCATION OF DOORS, WINDOWS AND HVAC OPENINGS SEE FLOOR PLAN.

- ### KEYNOTES
- CONTINUOUS 3 1/2" x 20 GA. TOP TRACK.
  - PLYWOOD SIDING/SHEATHING  
 NAIL SIDING WITH CORROSION RESISTANT 8d BOX NAILS @ 6" BOUNDARY & EDGES, 12" FIELD.
  - 3 1/2" x 20 GA. STUDS @ 16" O.C.
  - CONTINUOUS 3 1/2" x 20 GA. BTM. TRACK.
  - STEEL FRAME- SEE SHEET S-50 - S-51 "STRUCTURAL SECTIONS" FOR MEMBER TYPES AND SIZES.
  - STEEL CORNER COLUMN.
  - FRAME FOR 8040 WINDOW USE (2) FULL HEIGHT 3 1/2" x 20 GA. JAMB STUDS. (2) 3 1/2" x 20 GA. TRACKS FOR HEADER. (2) 3 1/2" x 20 GA. TRACKS FOR WINDOW SILL.
  - FRAME FOR 3'-0" x 6'-8" DOOR. USE (2) FULL HEIGHT 3 1/2" x 20 GA. JAMB STUDS & (2) 3 1/2" x 20 GA. TRACKS FOR HEADER.
  - ATTACH HEADER OR SILL TO 3 1/2" x 20 GA. STUD WITH #8 x 1/2" SELF TAP SCREWS. AT CORNERS OF ALL OPENINGS.
  - 4x4 D.F. POST
  - FRAME FOR A/C UNIT.
  - NOT USED
  - OVERHANG, (5'-0" MAX.)
  - NOTCH (1) PC. OF 3 1/2" x 20 GA TRACK AROUND STUDS TO PROVIDE BLKG..
  - 2 x 4 SHIM LOCATED BETWEEN 4 x 4 STL. POST AND FIRST 3 1/2" x 20 GA. STUD @ OUTSIDE OF BLDG.
- WALL FRAMING NOTES FOR STUCCO SIDING OPTION:  
 STUDS TO BE 3 1/2" x 20 GA. @ 16" O.C.  
 4'-0" WALL OPENINGS - (1) 3 1/2" x 20 GA. TRACK AS HEADER AND (2) 3 1/2" x 20 GA. FULL HEIGHT JAMB STUDS.  
 8'-0" WALL OPENINGS - (2) 3 1/2" x 20 GA. TRACK AS HEADER AND (3) 3 1/2" x 20 GA. FULL HEIGHT JAMB STUDS.

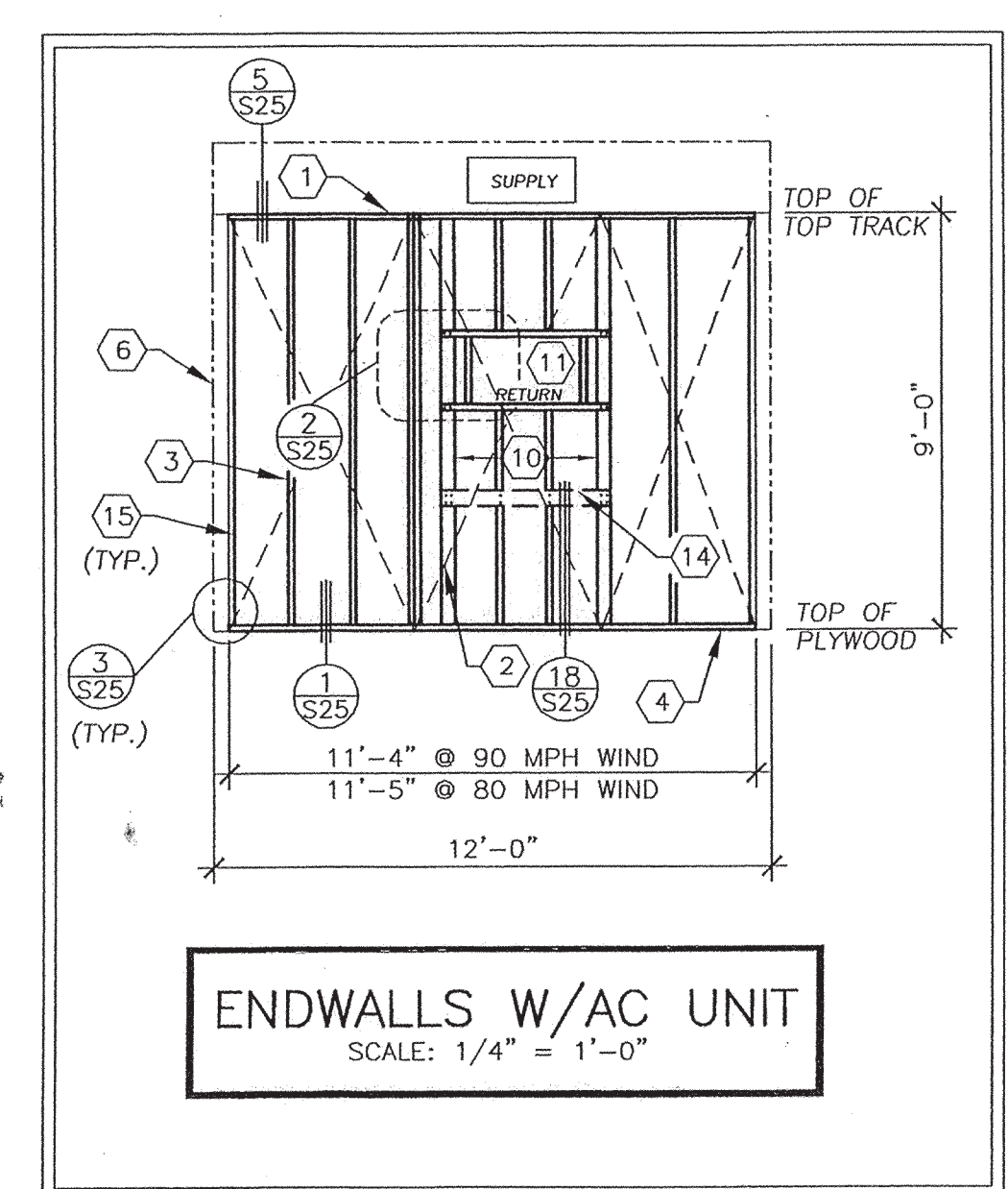


TYPICAL SIDEWALL W/DOORS & WINDOWS  
 SCALE: 1/4" = 1'-0"

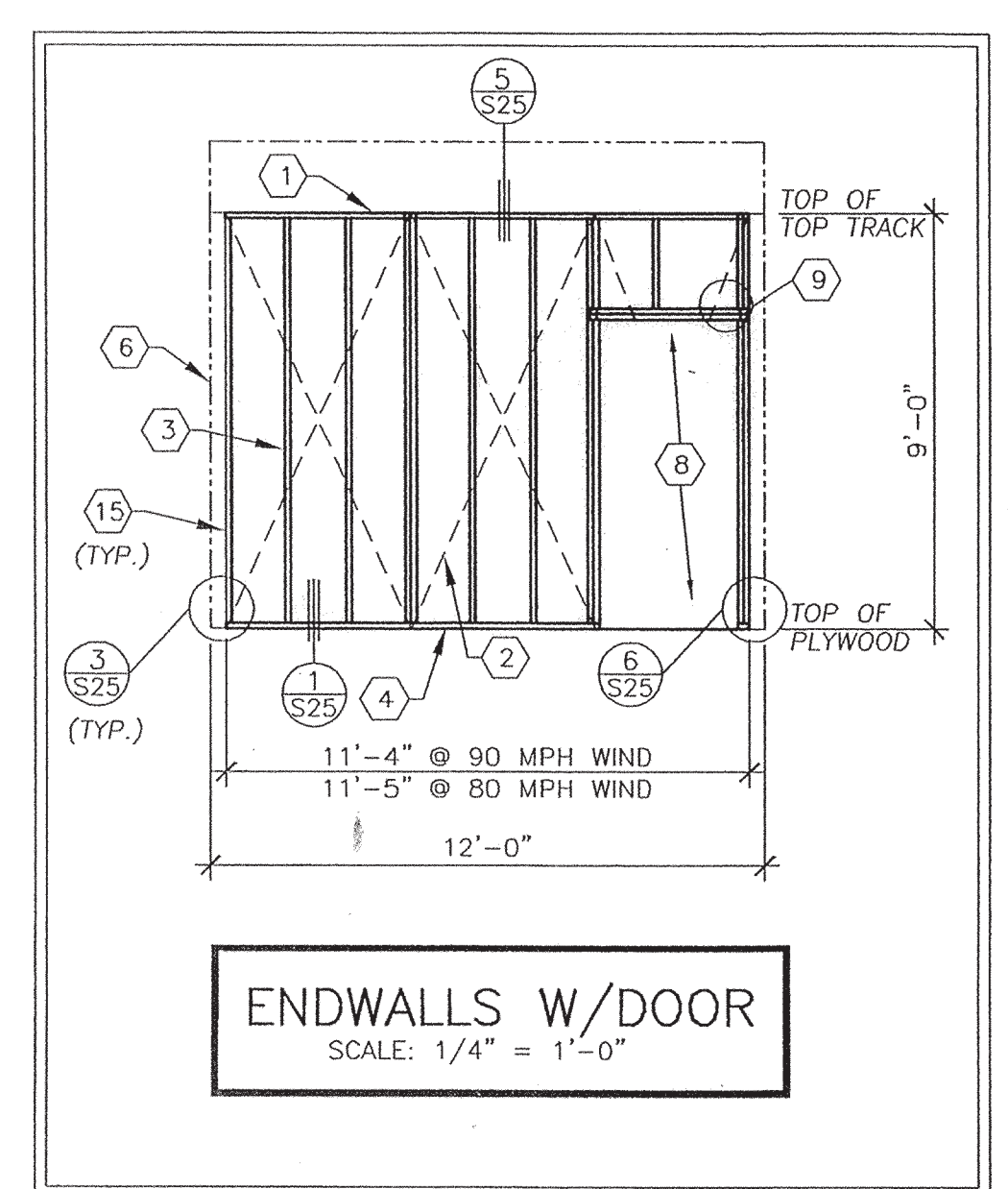
NOTE:  
 DOOR AND WINDOW LOCATIONS CAN BE LOCATED ANY WHERE IN SIDE WALL, FOR EXACT LOCATION OF DOORS, WINDOWS AND HVAC OPENINGS SEE FLOOR PLAN.



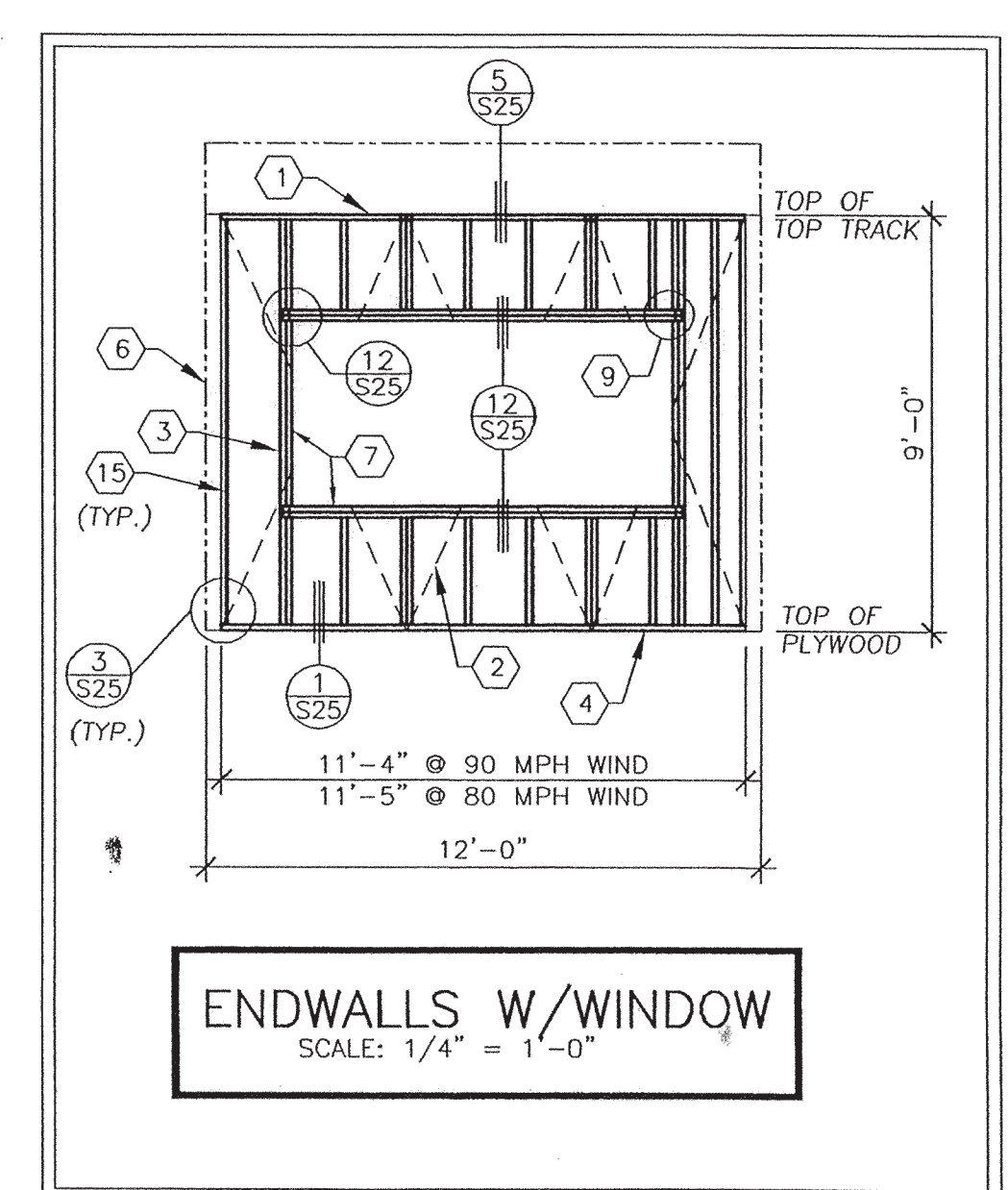
TYPICAL ENDWALLS  
 SCALE: 1/4" = 1'-0"



ENDWALLS W/A/C UNIT  
 SCALE: 1/4" = 1'-0"



ENDWALLS W/DOOR  
 SCALE: 1/4" = 1'-0"



ENDWALLS W/WINDOW  
 SCALE: 1/4" = 1'-0"

NOTE:  
 FOR EXACT LOCATION OF DOORS, WINDOWS AND HVAC OPENINGS, SEE FLOOR PLAN.

DATE SIGNED  
 JUL 15 2003

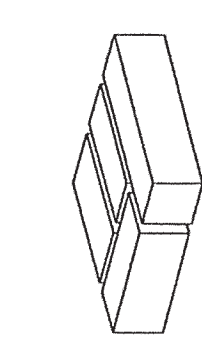
ARCHITECT STAMP  
 DATE SIGNED  
 MAY 21 2003

STRUCTURAL ENGINEER STAMP  
 LICENSE EXPIRES 6-29-2004

RECEIVED  
 JUL 24 2003  
 WESTERN DIVISION

PROJECT: MODULAR CLASSROOM BUILDING	TITLE & BLDG. DATA: EXTERIOR WALL FRAMING ELEVATIONS FOR STEEL STUDS	WIND LOAD: 80 & 90 MPH ROOF LOAD: 20 & 30 PSF FLOOR LOAD: 50, 50+20, 100 & 125 PSF
ARCHITECT STAMP	DATE SIGNED MAY 21 2003	DATE 12/1/02
STRUCTURAL ENGINEER STAMP	DATE SIGNED JUL 15 2003	DRAWN BY JAG
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF RECORDATION SERVICES 04 105459 AC - FLS DATE JUL 17 2003	SCALE 1/4" = 1'-0"	APPROVED
STATE AGENCY STAMP	REVISIONS	
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 4-104778 AC - FLS DATE 5-30-03	REVISIONS	
STATE AGENCY STAMP		SHEET NO. S-21

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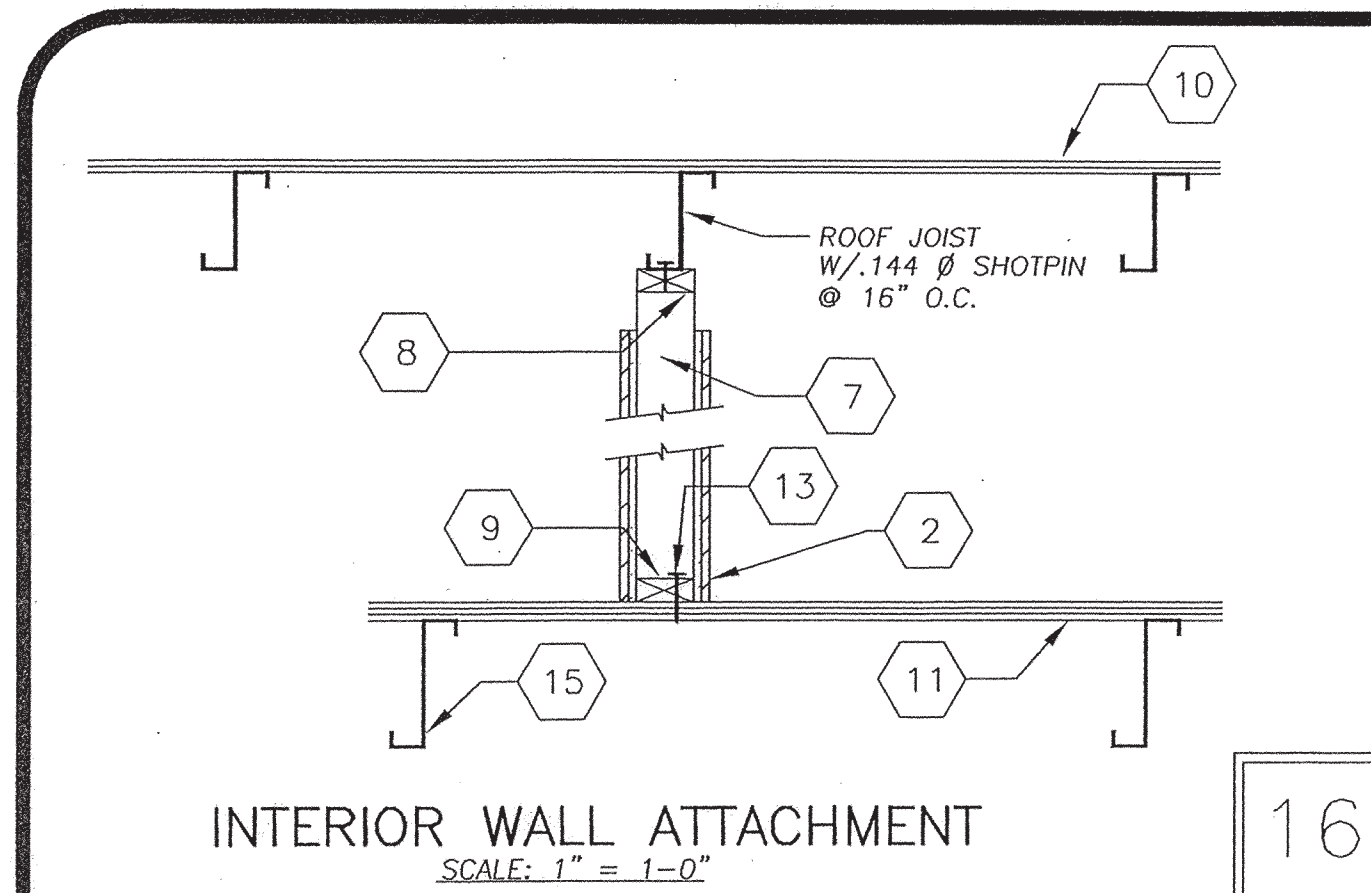


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 PHONE: (909) 788-3033 FAX: (909) 788-1523

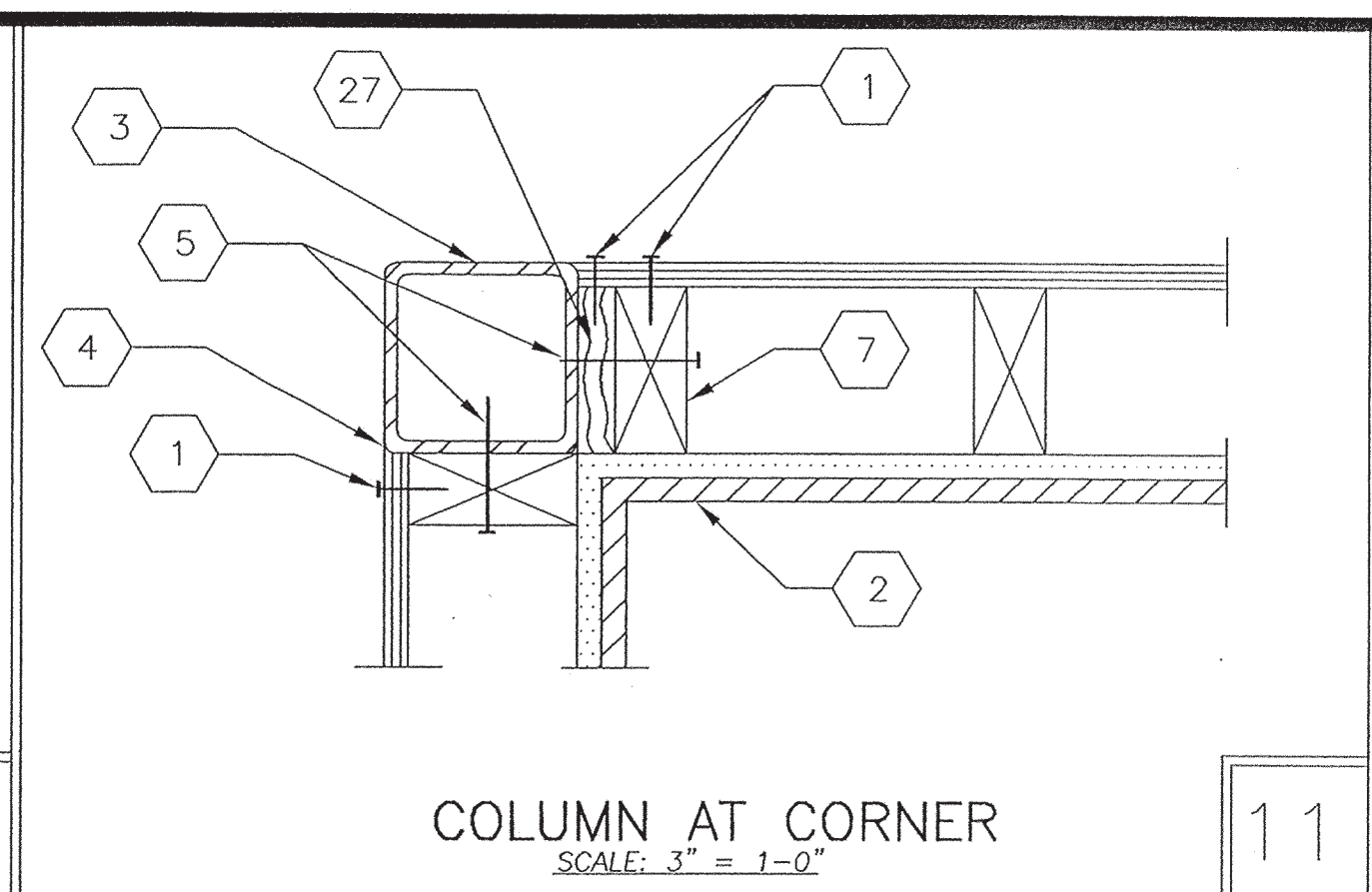
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PROJECT: MODULAR CLASSROOM BUILDING  
 TITLE & BLDG. DATA: WOOD STUD WALL FRAMING DETAILS

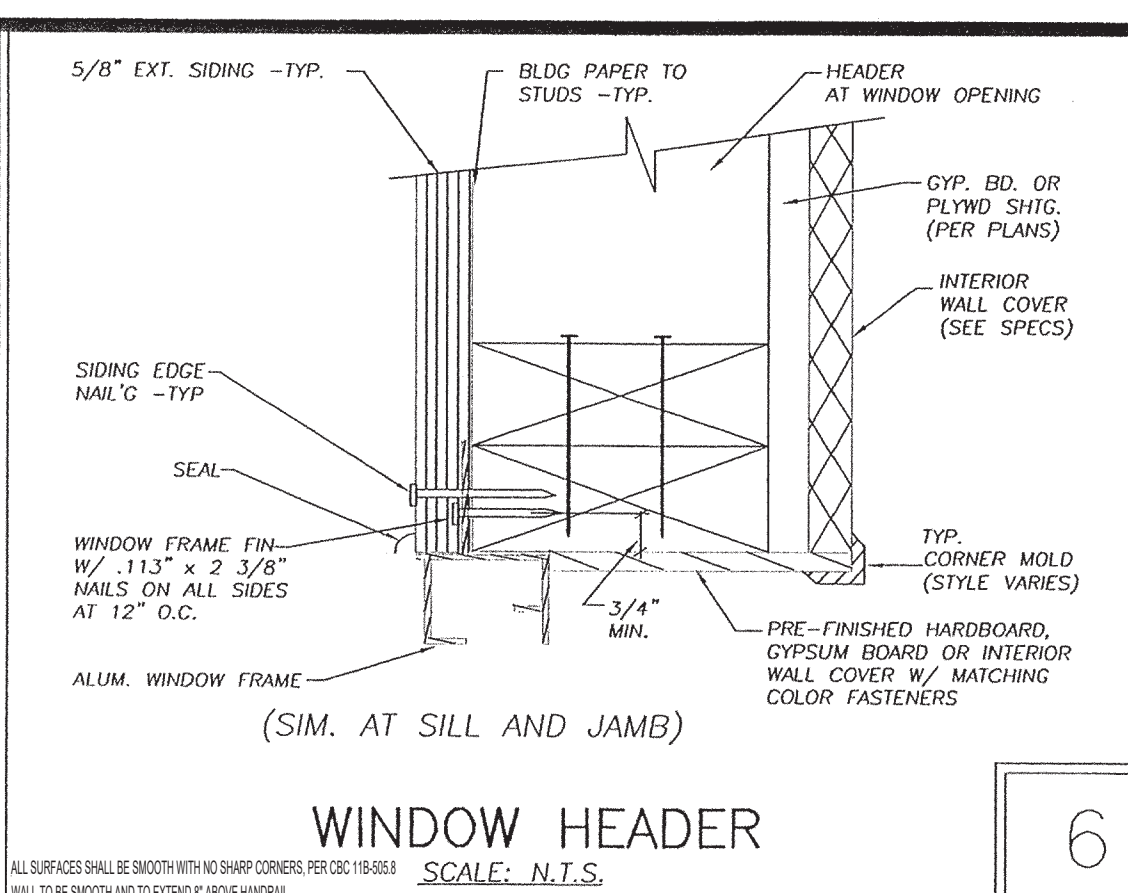
WIND LOAD: 80 MPH  
 FLOOR LOAD: 20 & 30 PSF  
 FLOOR LOAD: 50, 50+20, 100 & 125 PSF



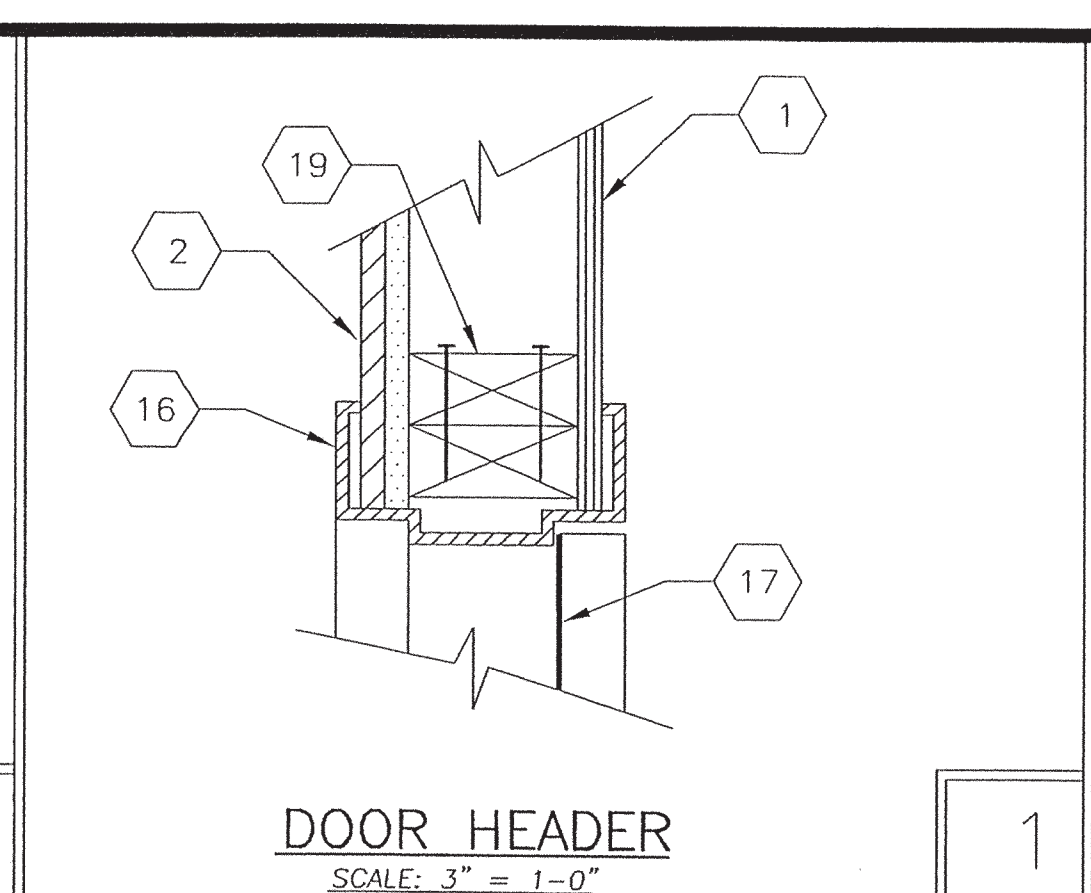
INTERIOR WALL ATTACHMENT  
 SCALE: 1" = 1'-0"



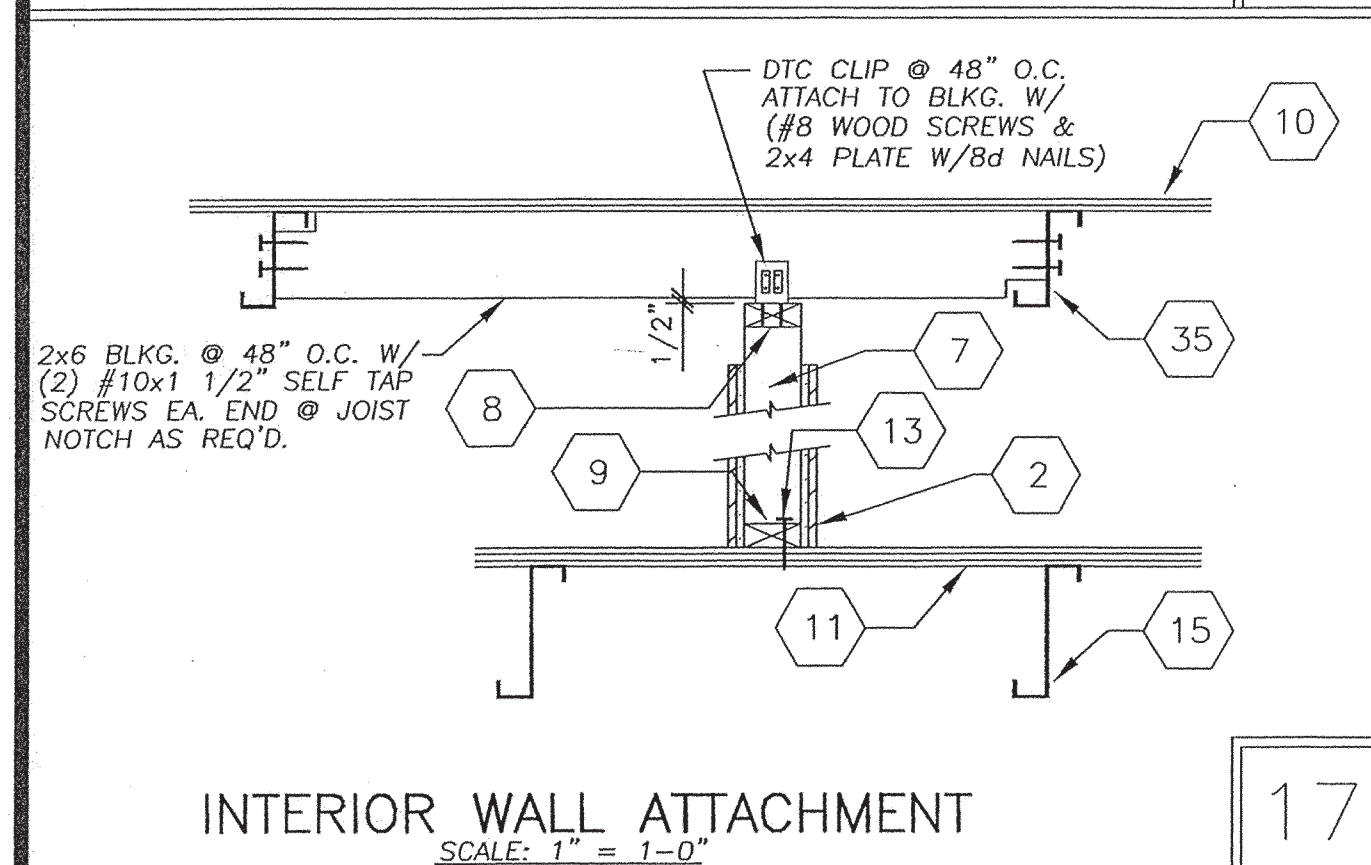
COLUMN AT CORNER  
 SCALE: 3" = 1'-0"



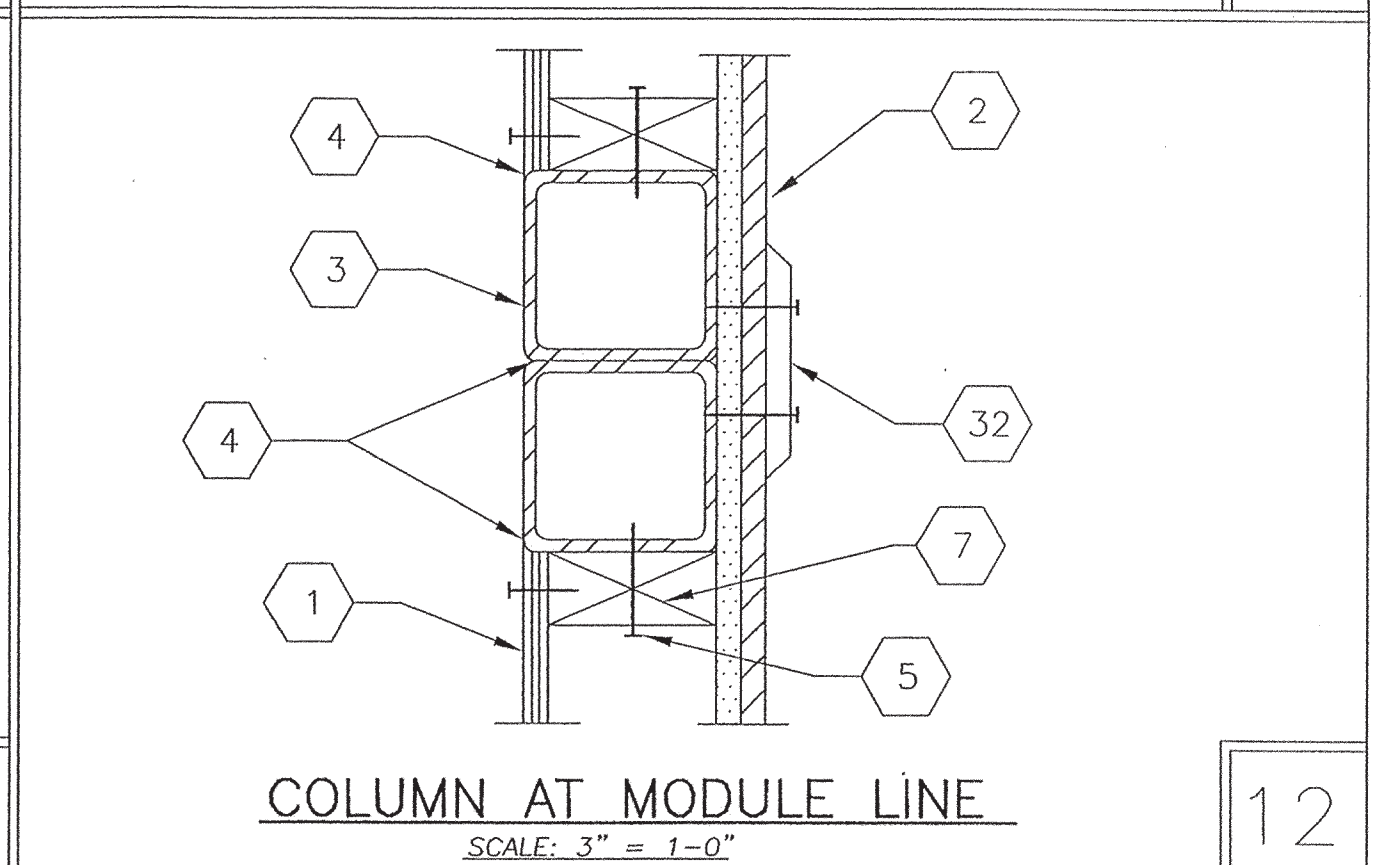
WINDOW HEADER  
 SCALE: N.T.S.



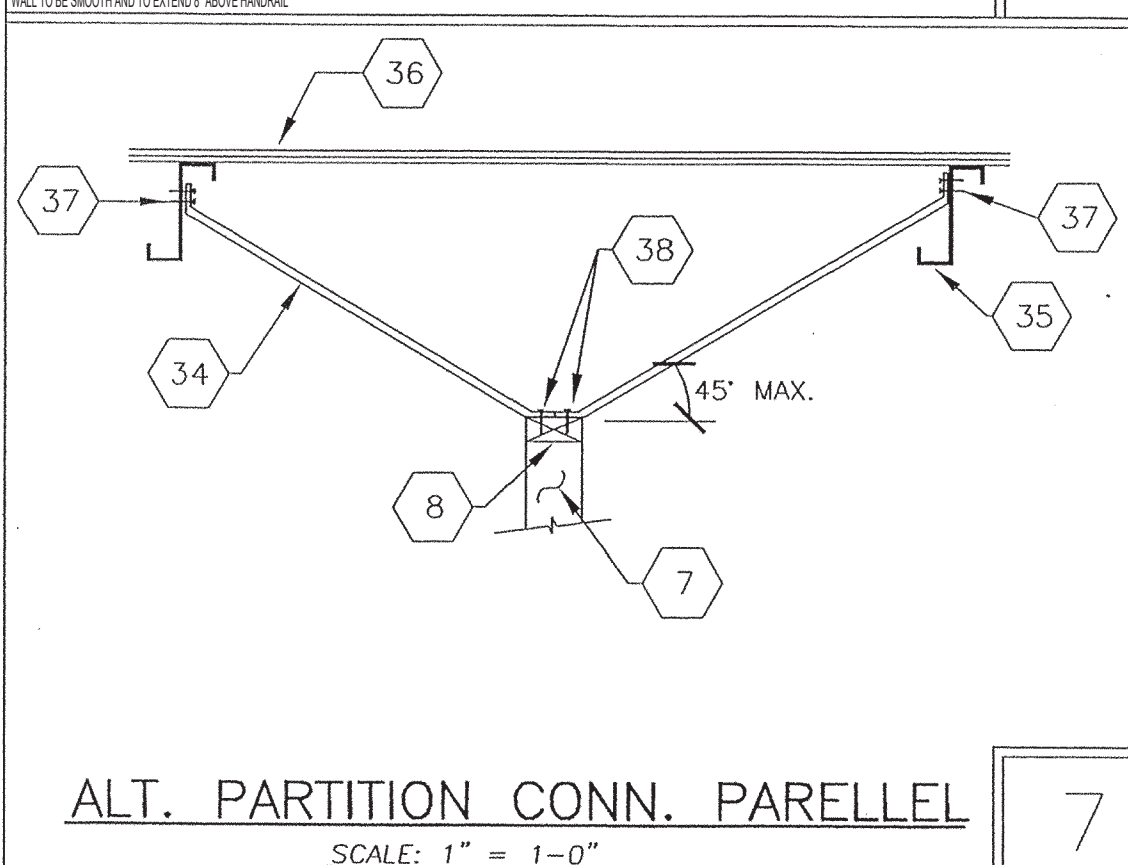
DOOR HEADER  
 SCALE: 3" = 1'-0"



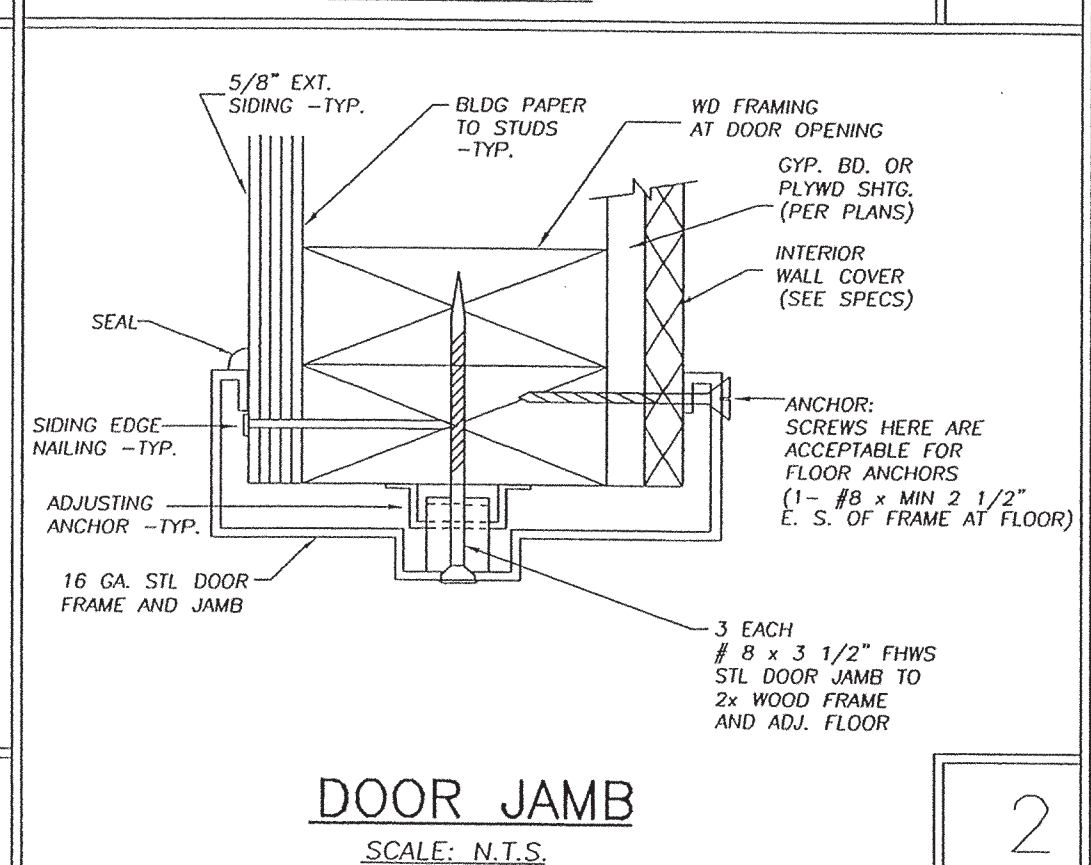
INTERIOR WALL ATTACHMENT  
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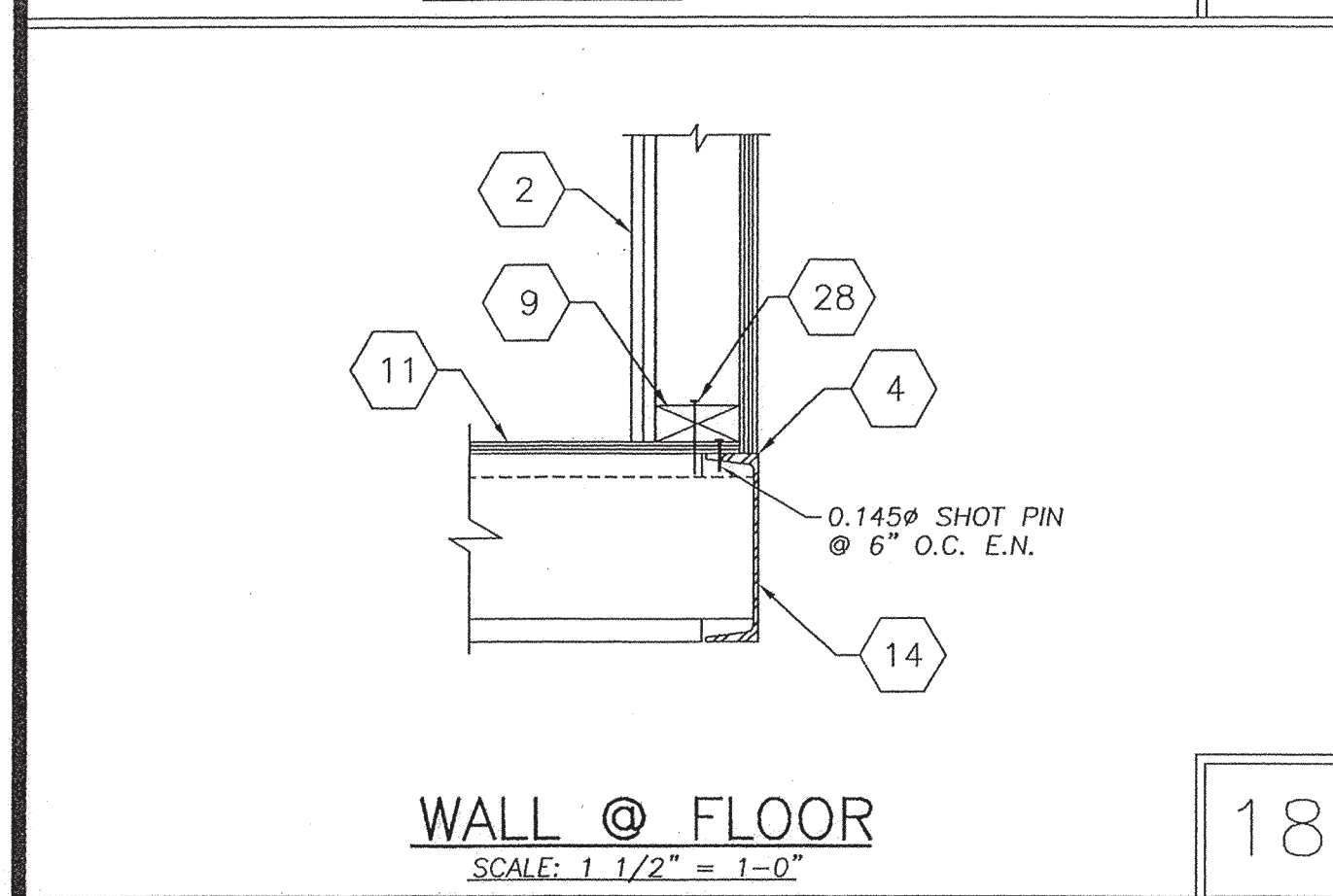
COLUMN AT MODULE LINE  
 SCALE: 3" = 1'-0"



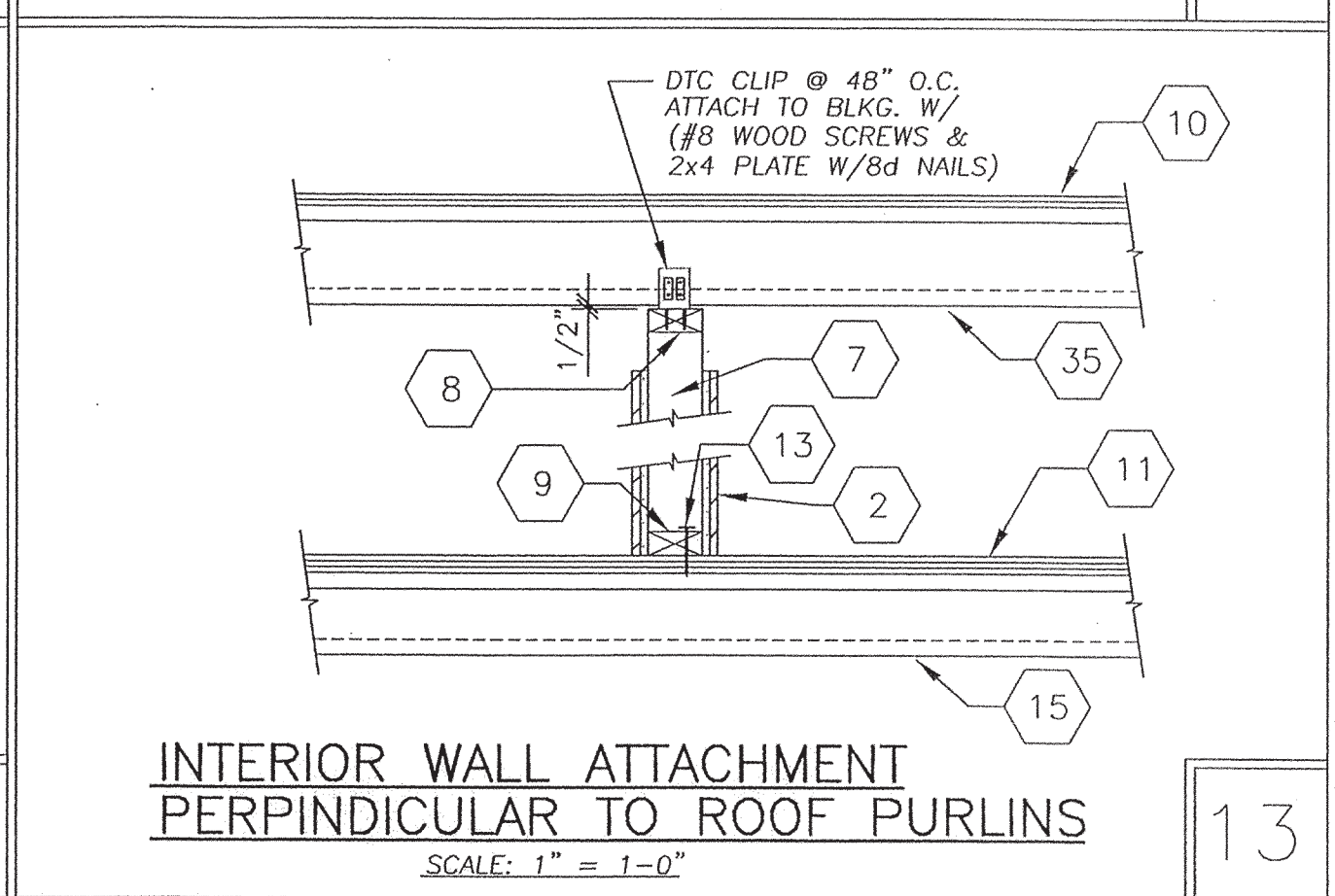
ALT. PARTITION CONN. PARELLEL  
 SCALE: 1" = 1'-0"



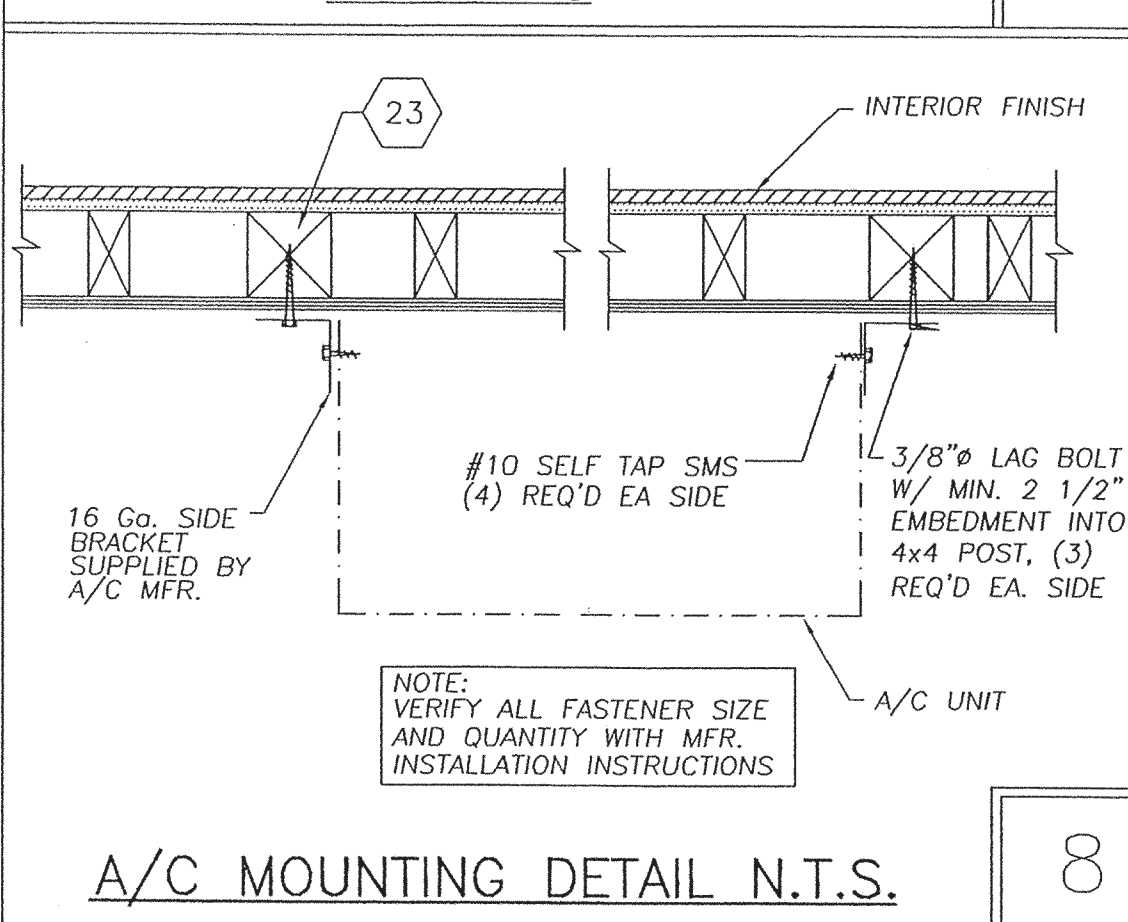
DOOR JAMB  
 SCALE: N.T.S.



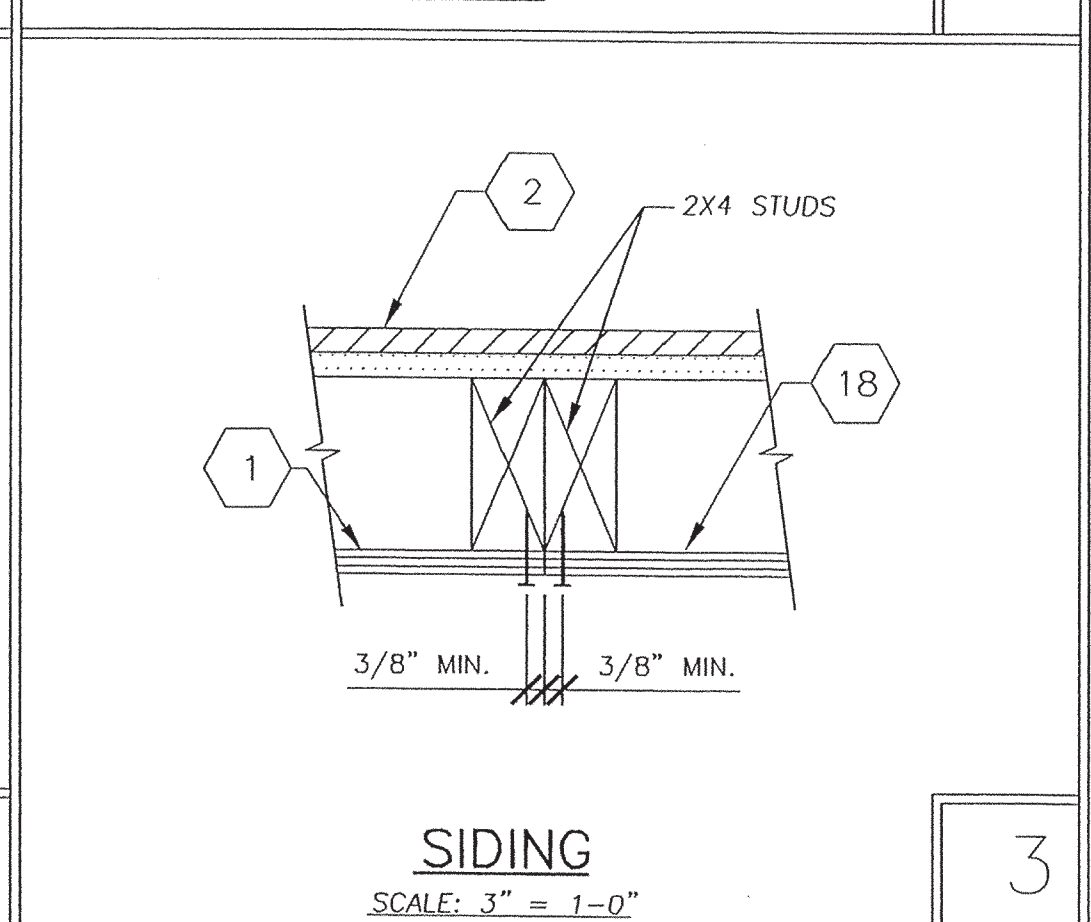
WALL @ FLOOR  
 SCALE: 1 1/2" = 1'-0"



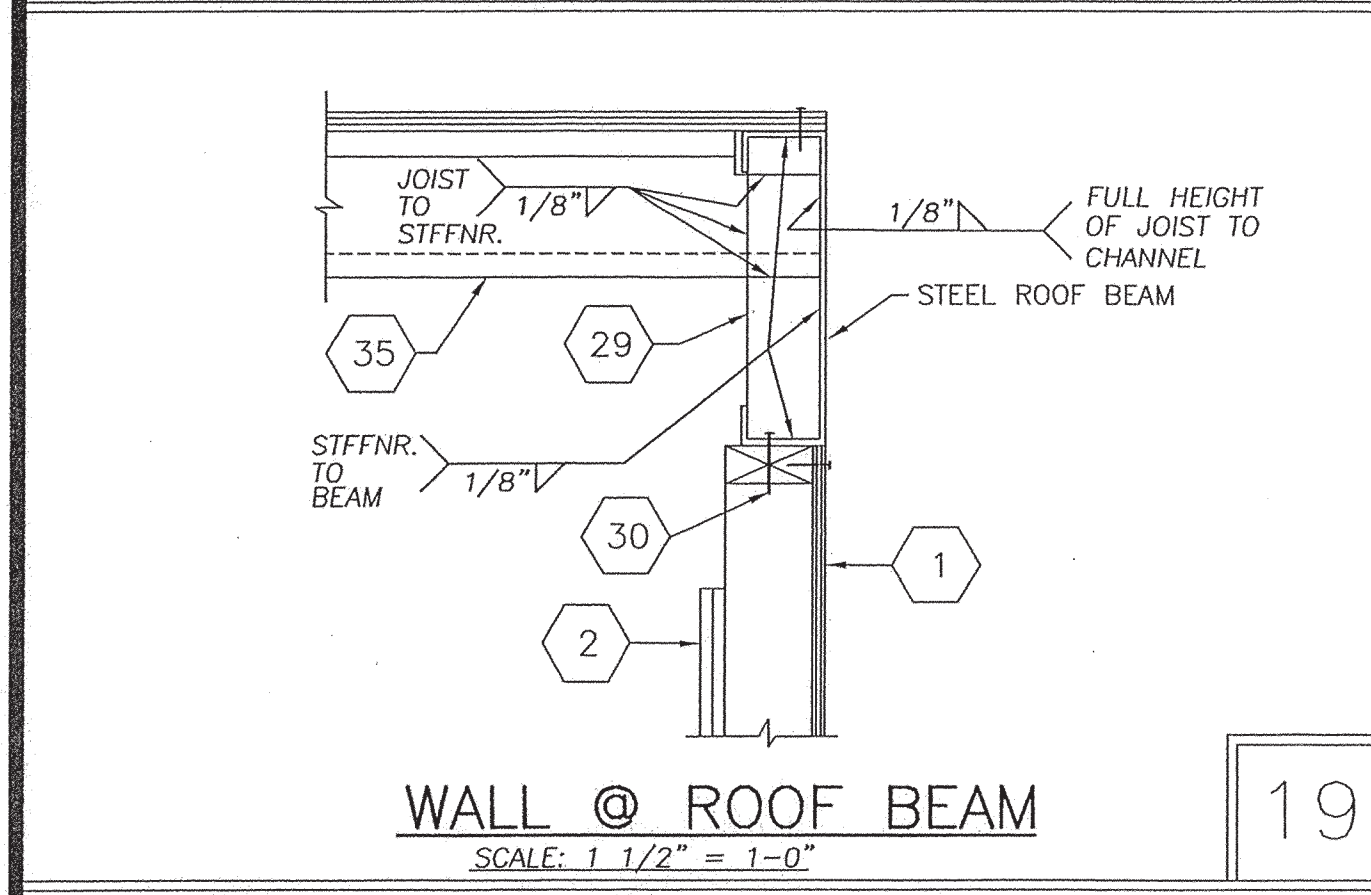
INTERIOR WALL ATTACHMENT PERPENDICULAR TO ROOF PURLINS  
 SCALE: 1" = 1'-0"



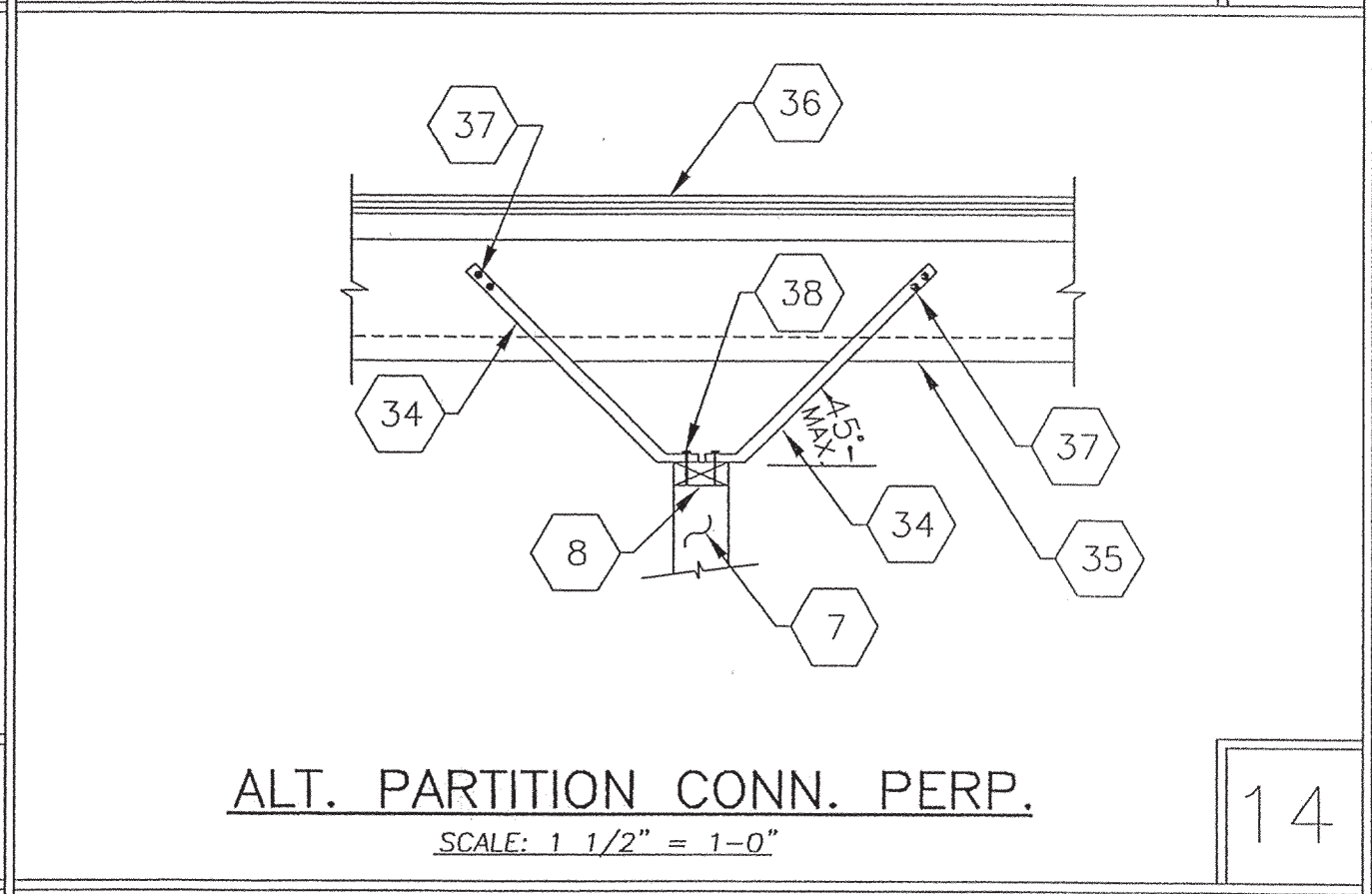
A/C MOUNTING DETAIL N.T.S.



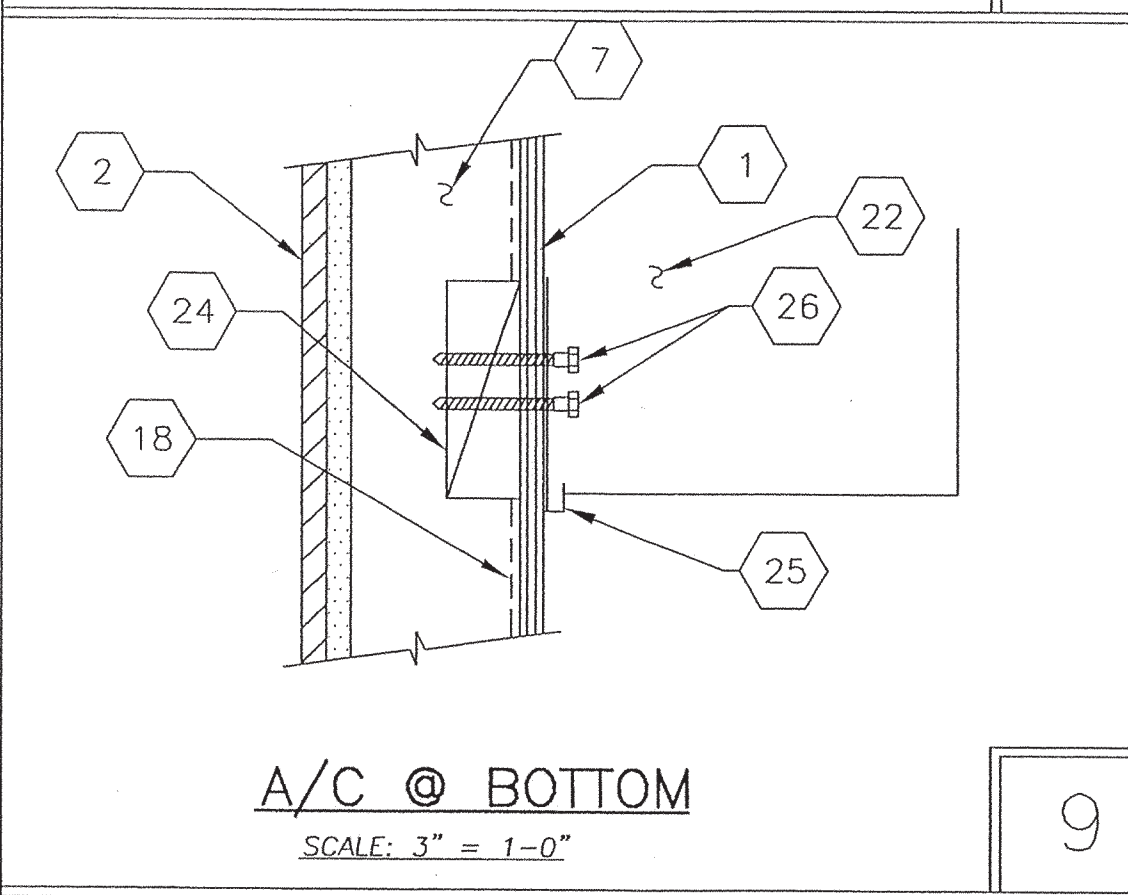
SIDING  
 SCALE: 3" = 1'-0"



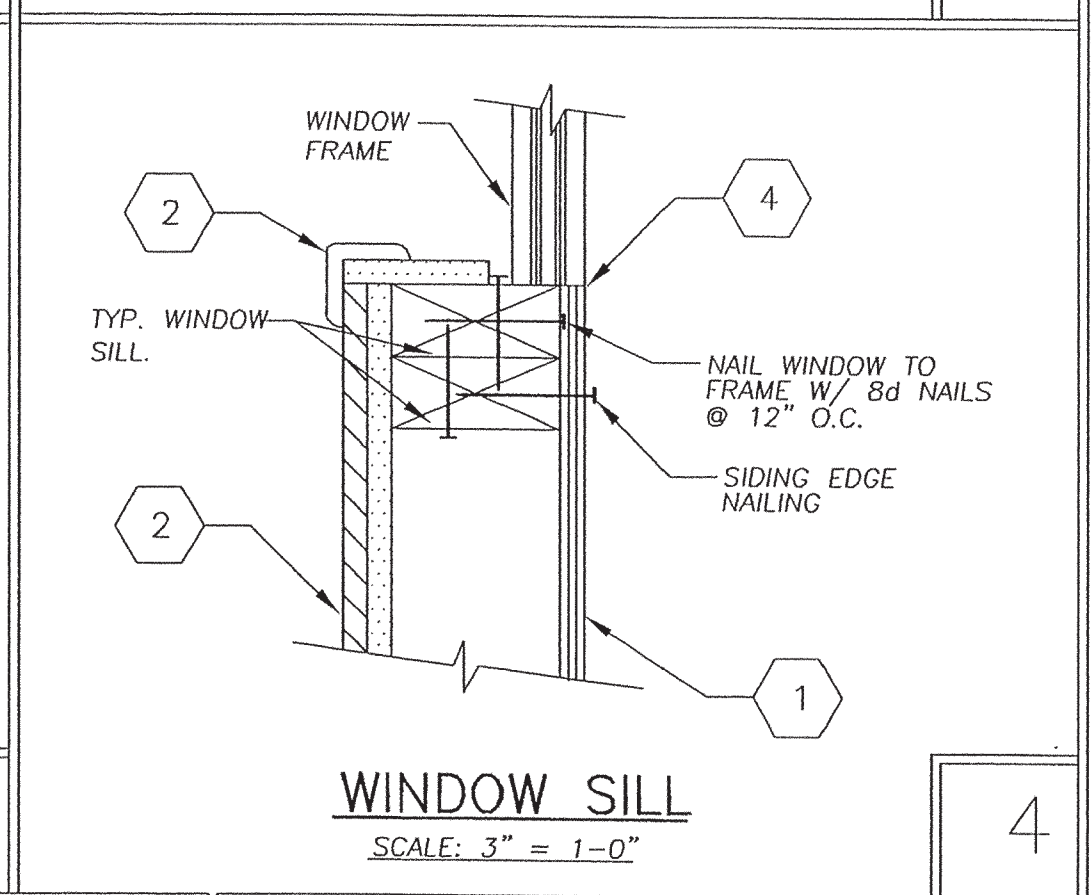
WALL @ ROOF BEAM  
 SCALE: 1 1/2" = 1'-0"



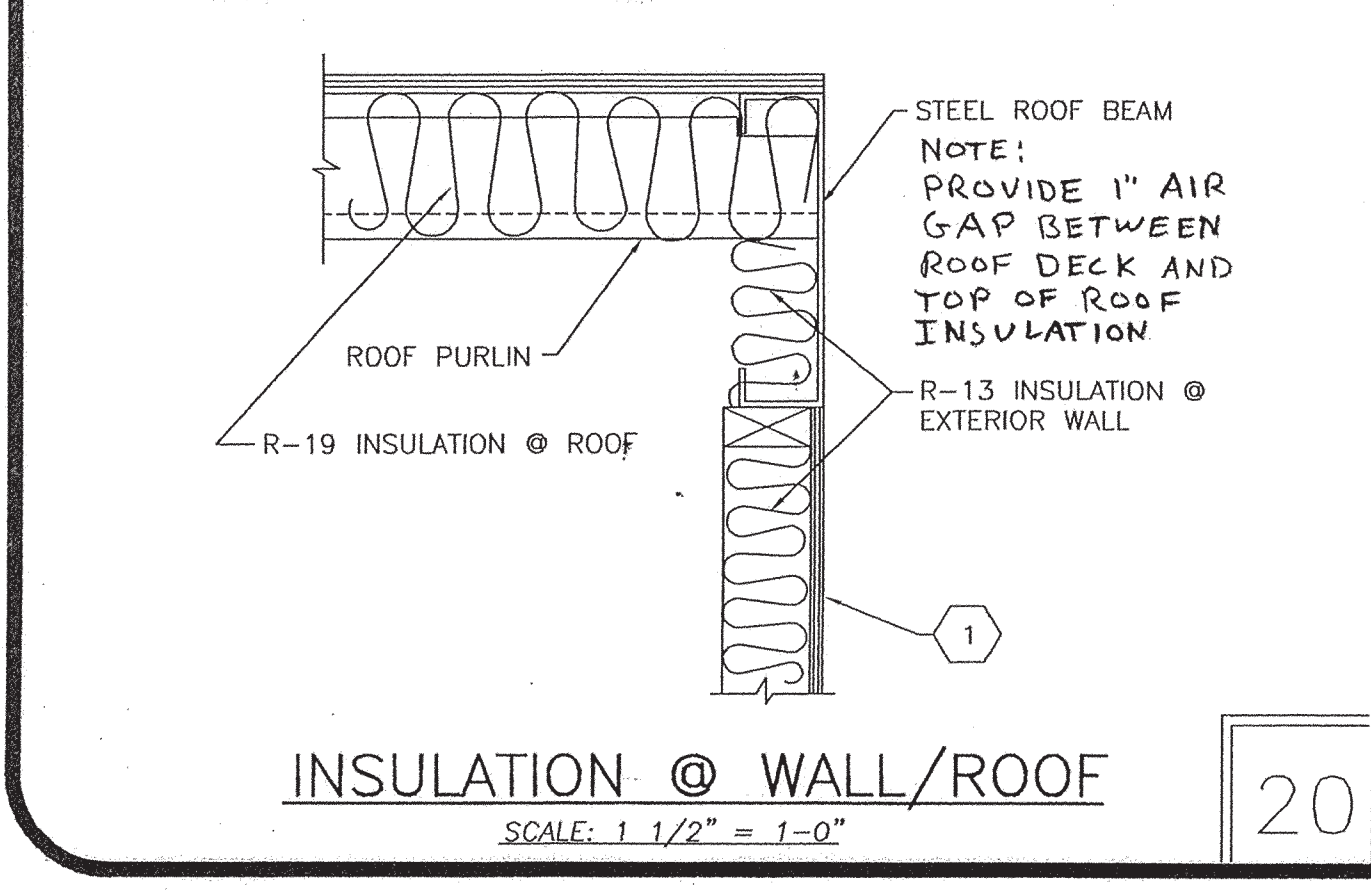
ALT. PARTITION CONN. PERP.  
 SCALE: 1 1/2" = 1'-0"



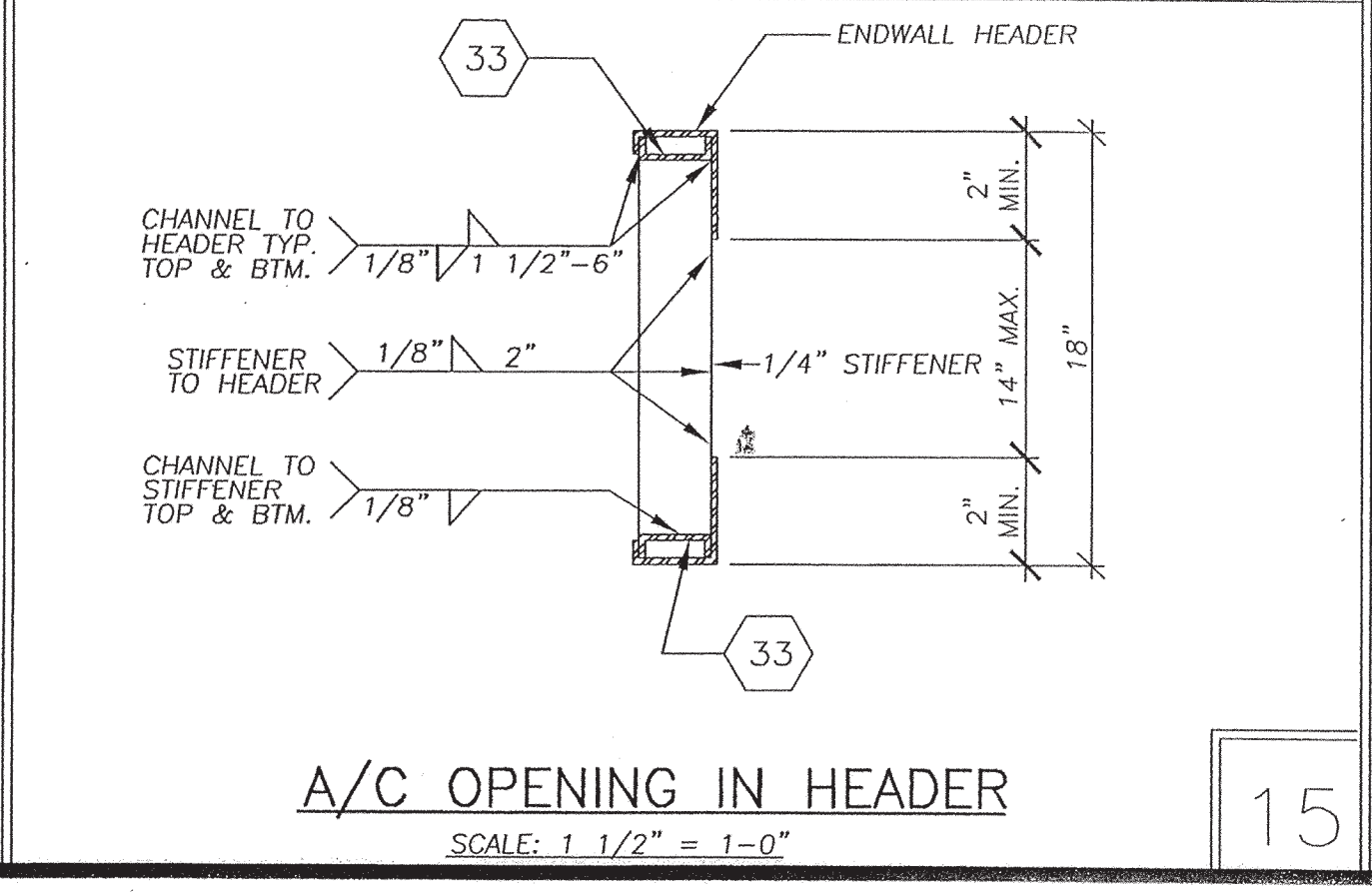
A/C @ BOTTOM  
 SCALE: 3" = 1'-0"



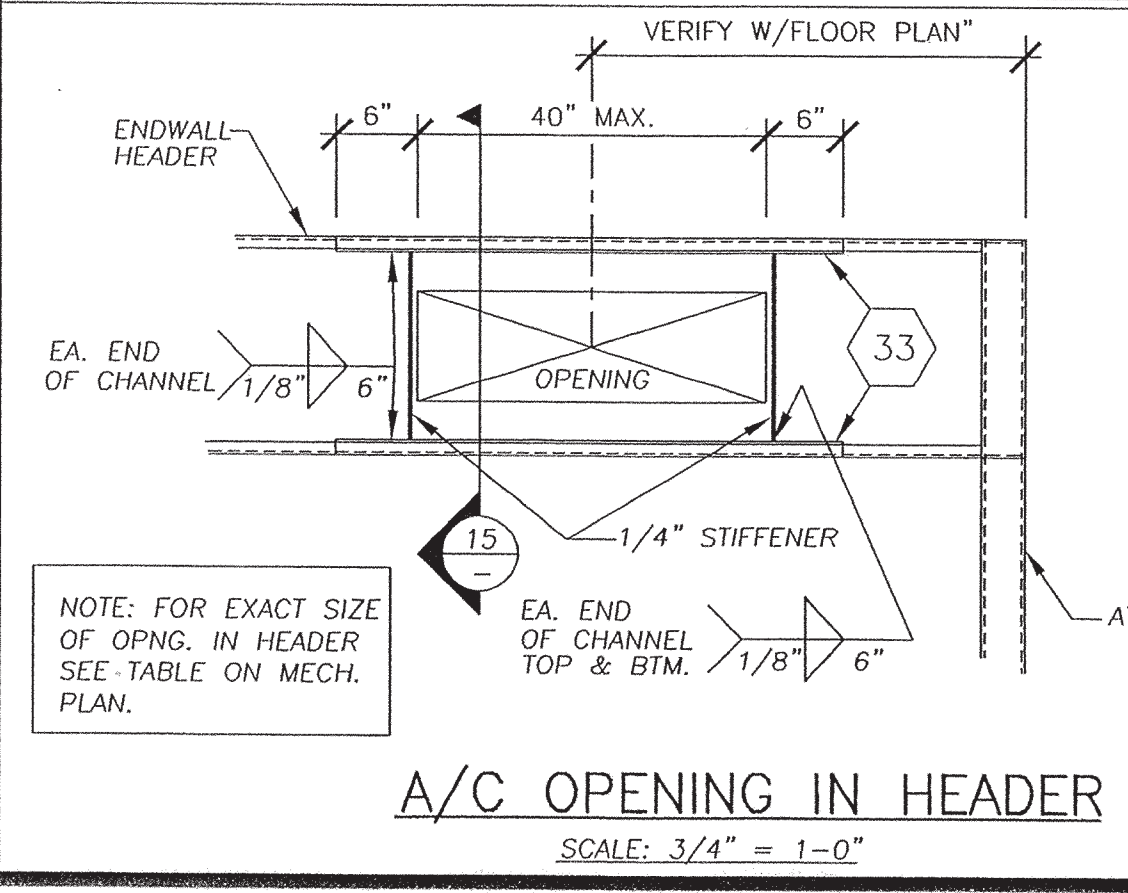
WINDOW SILL  
 SCALE: 3" = 1'-0"



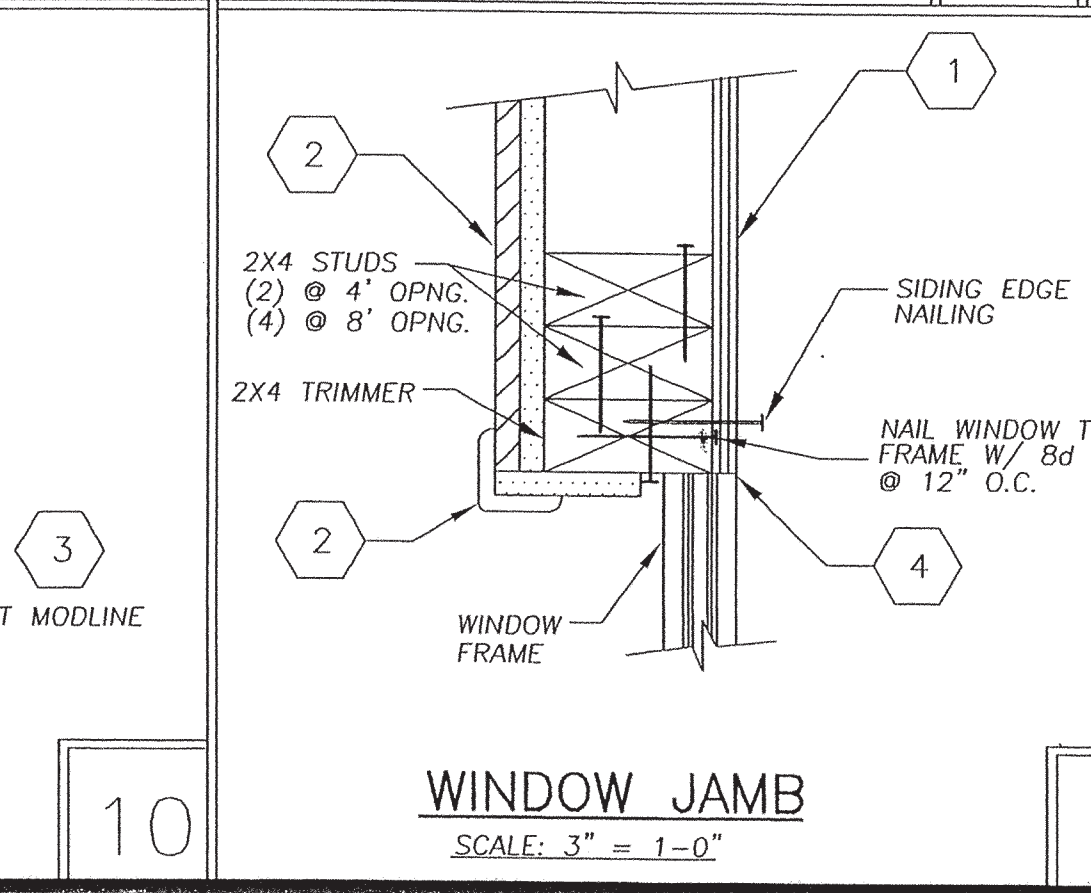
INSULATION @ WALL/ROOF  
 SCALE: 1 1/2" = 1'-0"



A/C OPENING IN HEADER  
 SCALE: 1 1/2" = 1'-0"



A/C OPENING IN HEADER  
 SCALE: 3/4" = 1'-0"

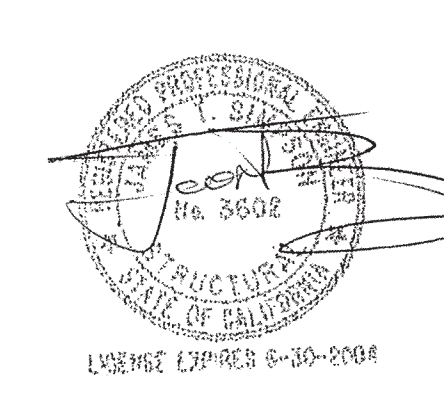


WINDOW JAMB  
 SCALE: 3" = 1'-0"

**KEYNOTES**

- PROVIDE MOISTURE BARRIER BEHIND SIDING. USE ASPHALT SATURATED KRAFT, TYPE-1, GRADE 'D', STYLE-2 OR EQUAL ICBO NO. 4369
- EXTERIOR PLYWOOD SIDING/SHEATHING - NAIL W/ CORROSION RESISTANT 8d BOX NAILS AT 6" O/C BOUNDARY & EDGES, AND 12" O/C FIELD.
- TYPICAL INTERIOR FINISH
- STEEL TUBE COLUMN
- PAINTABLE ACRYLIC LATEX SEALANT (U.N.O.)
- "MULTI" DN57-PB @ 24" O.C. (OR RAMSET 1514 SD) OR .144 PIN.
- 2x4 TRIMMER
- 2x4 FULL HT STUDS
- 2x4 TOP PLATE
- 2x4 BOTTOM PLATE
- ROOF SHEATHING
- FLOOR SHEATHING
- GALV METAL FLASHING
- 16d NAIL @ 16" O.C.
- STEEL FLOOR CHANNEL
- STEEL FLOOR JOIST @ 32" O.C. MIN. FOR PARTITION.
- HOLLOW METAL DOOR FRAME
- METAL DOOR
- WATERPROOF MEMBRANE
- HEADER - (2)-2x4 H.F. #2
- DOOR BOTTOM W/ WEATHER STRIP
- NOT USED
- WALL MTD. A/C
- 4x4 H.F. #2 POST (OR BETTER)
- 2x6 BLOCK BETWEEN STUDS. ATTACH TO STUDS W/ (2) 16d BOX NAILS EA END
- 11 GA x 24" LONG STEEL BOTTOM BRACKET
- 3/8"x 2-1/2" LAG BOLT INTO BOTTOM BRACKET AND INTO 2x6 BLOCK W/ 1 1/2" MIN. EMBEDMENT
- 3/4" SPACER-PLYWOOD
- 16d BOX NAIL @ 8" O.C.
- 1/4" FULL HT. STIFFENER
- 1/2" MACHINE BOLT W/ WASHER @ 24" O.C. OR 0.145" SHOT PIN @ 18" O.C.
- NOT USED
- VINYL WRAPPED CLOSE-OFF BATT. ATTACH W/ #8x2 1/4" PAN HEAD WOOD SCREWS STAGGERED 24" O.C. AND (2) SCREWS TOP & BOTTOM.
- 3 1/4"x1"x4"-6" L x 10 GA. CHANNEL TOP & BOTTOM.
- 1/2" STEEL CONDUIT BRACE AT 8" O.C. MAX. STAGGERED.
- ROOF PURLIN (SEE STRUCTURAL ROOF FRAME).
- PLYWOOD ROOF DECK SHOWN, NOT REQ'D @ 22 GAUGE METAL ROOF DECK.
- #10 STMS WAFER HD.
- #10 WOOD SCREWS

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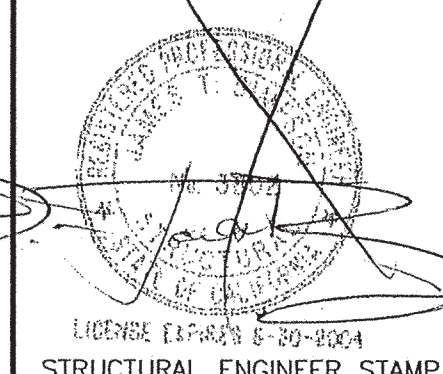
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ARCHITECT STAMP

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 MAY 21 2003



STRUCTURAL ENGINEER STAMP

DATE 12/1/02

DRAWN BY JAG

SCALE AS NOTED

APPROVED

REVISIONS

STATE AGENCY STAMP

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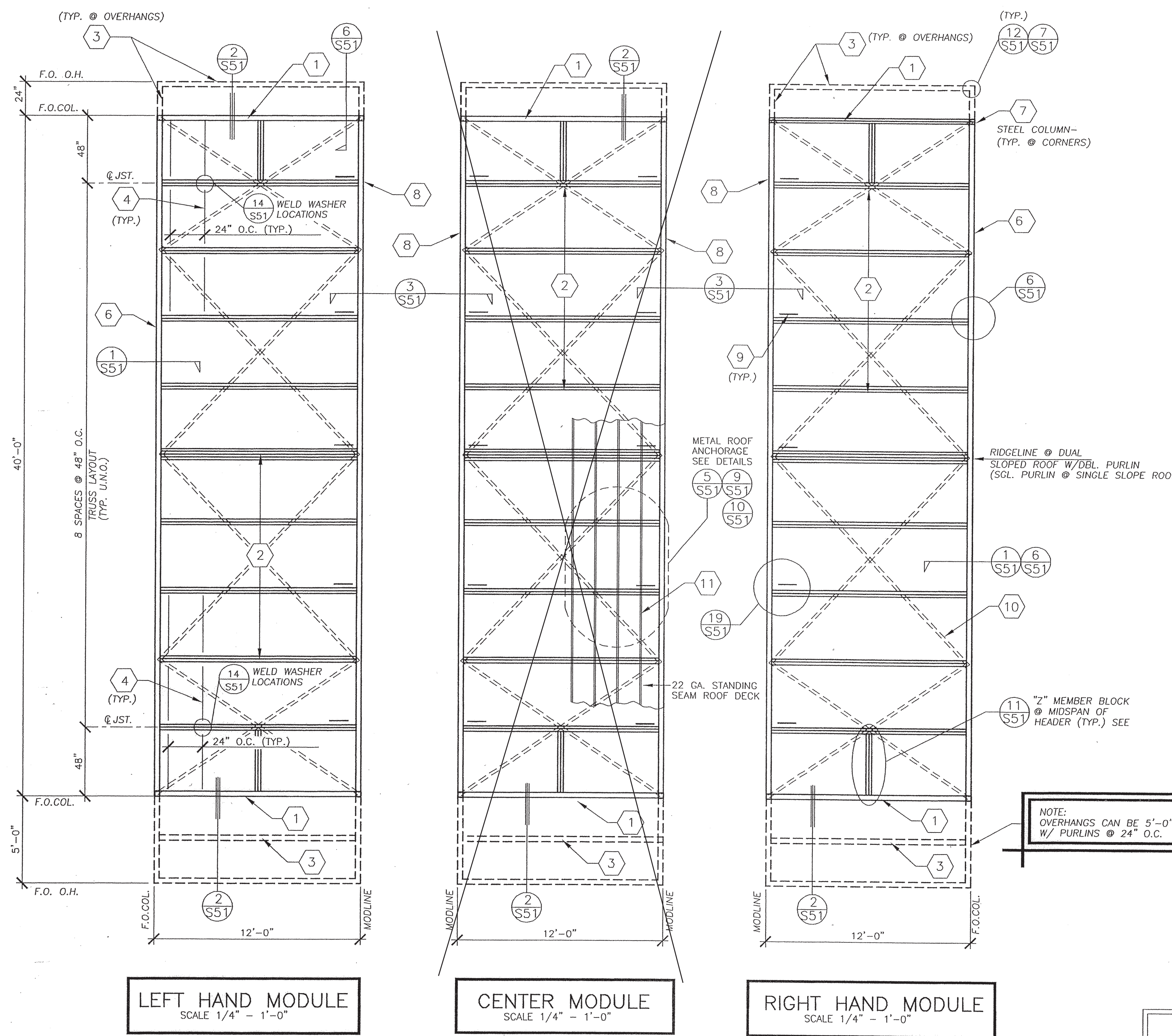
IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES

4-104778

DATE: 5-30-03

STATE AGENCY STAMP

SHEET NO.  
 S-30



LEFT HAND MODULE  
 SCALE 1/4" = 1'-0"

CENTER MODULE  
 SCALE 1/4" = 1'-0"

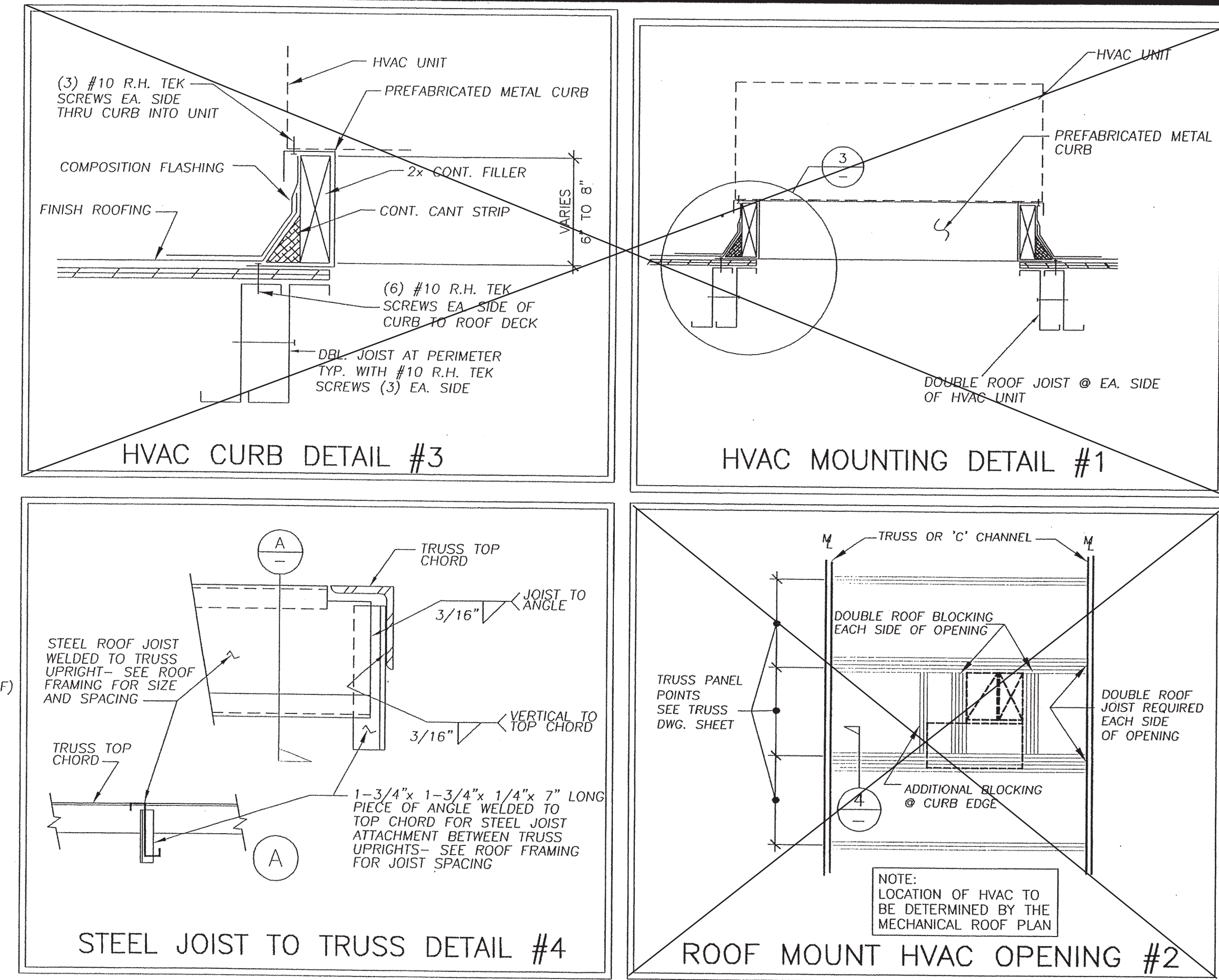
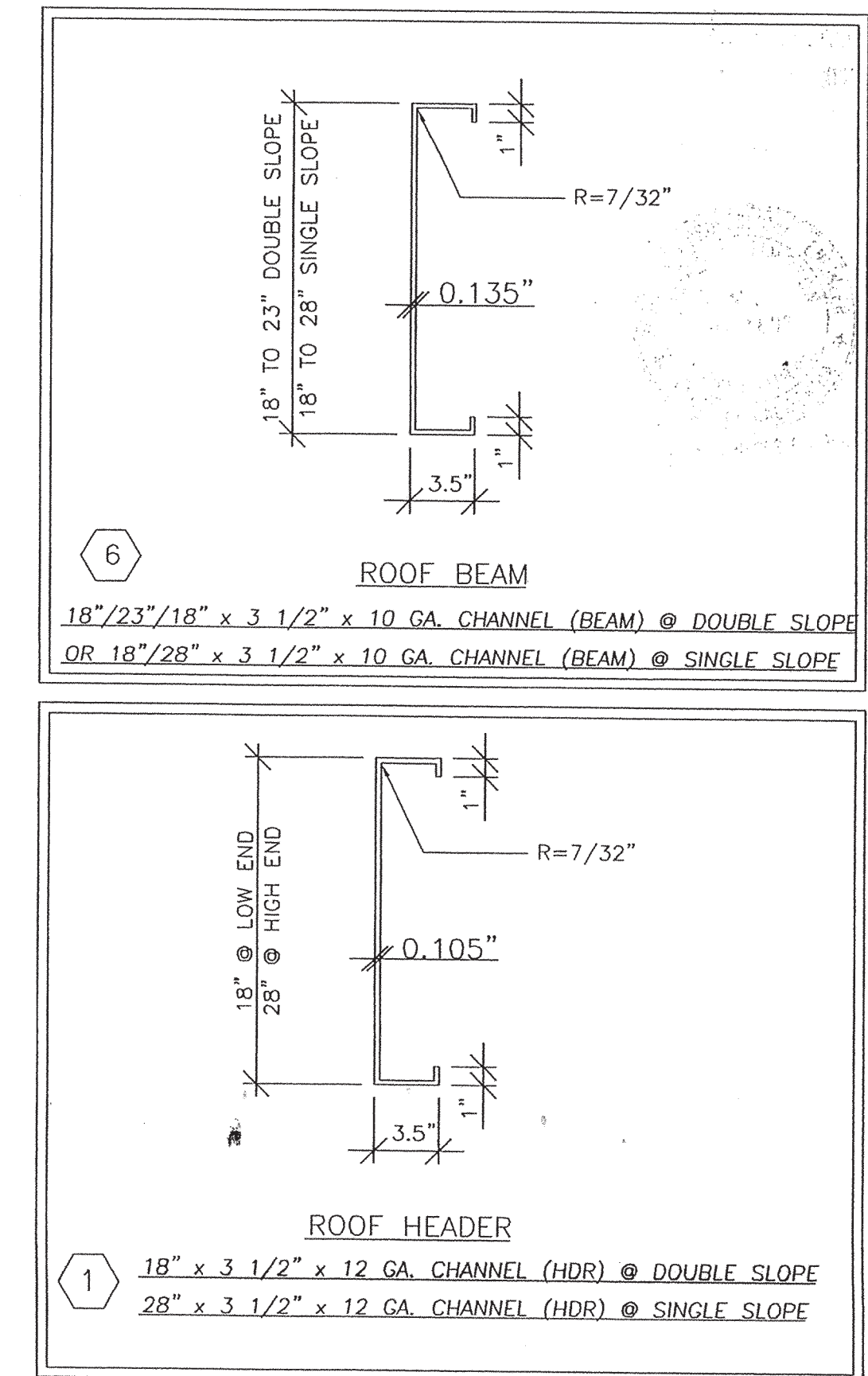
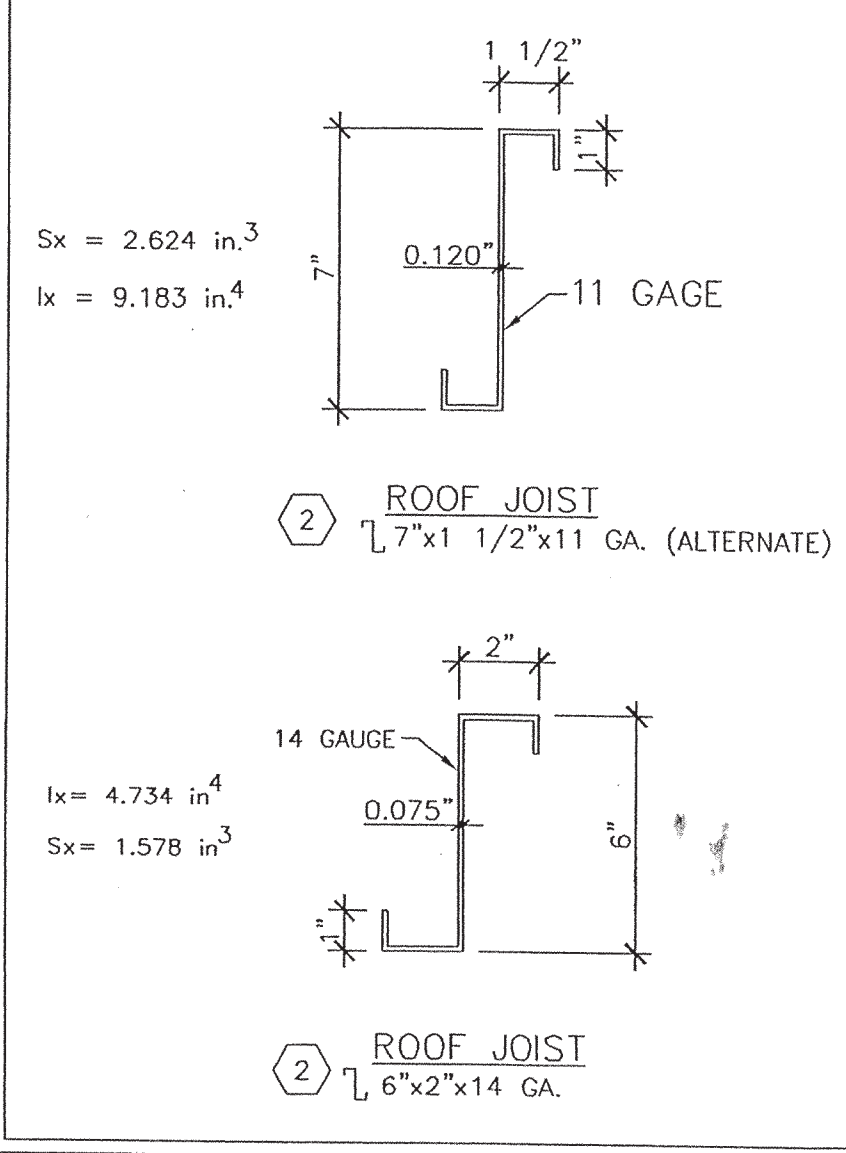
RIGHT HAND MODULE  
 SCALE 1/4" = 1'-0"

ROOF FRAMING PLAN METAL ROOF OPTION  
 SCALE 1/4" = 1'-0"

- KEY NOTES**
- 18"x3 1/2"x 12 GA. RFC STEEL ROOF HEADER.
  - 6" x 2 x 14 GA. STEEL ROOF JOIST @ 48" O.C. FOR 20 PSF ROOF OR 7" x 1 1/2 x 11 GA. @ 48" O.C. FOR 30 PSF ROOF.
  - 10"x12 GA. CHANNEL @ ROOF OVERHANGS. L 4"x3"x3/8" PURLIN & OUTRIGGER AT 20 PSF ROOF OR L 5"x3"x3/8" OUTRIGGER & L 4"x3"x3/8" PURLIN AT 30 PSF ROOF.
  - WIRE OR STRAP ATTACHED TO ROOF JOISTS FOR INSULATION SUPPORT AT 24" O.C.
  - NOT USED.
  - 18"x23"x18"x3 1/2"x10 GA. TAPERED CHANNEL SECTION BEAM AT DOUBLE SLOPE ROOF AND 18"x28"x3 1/2"x10 GA. AT SINGLE SLOPE ROOF.
  - STEEL CORNER COLUMN SEE RIGID FRAME SECTION FOR SIZE.
  - STEEL TRUSS. (SEE SHTS. S-60, S-60.1, S-70, & S-70.1)
  - STEEL TRUSS BRACES AT 8' O.C. TO BOTTOM CHORD OF TRUSSES L 1 1/2"x1 1/2"x 3/16"
  - 2" x 20 GAUGE METAL STRAPS ONLY FOR 22 GA. METAL ROOF OPTION. W/ 3" MIN. OF 1/8" FILLET WELD EACH END TO ROOF BEAM OR HEADER.
  - 22 GA. STANDING SEAM ROOF DECK. SEE DETAIL #9 ON SHEET S-51 FOR ROOF PANEL SECTION.

**ROOF JOIST SCHEDULE**

LOAD	PURLIN	SPACING
20 PSF	L 6x14 GA.	48" O.C.
30 PSF	L 7x11 GA.	48" O.C.



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 MODULAR STRUCTURES INTERNATIONAL, INC.  
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IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 4-104778  
 AC FLS SS  
 DATE 5-30-03

STATE AGENCY STAMP

PROJECT: MODULAR CLASSROOM BUILDING  
 TITLE & BLDG. DATA: ROOF FRAMING PLAN W/ 22 GA. METAL DECK  
 WIND LOAD: 80 & 90 MPH  
 ROOF LOAD: 20 & 30 PSF  
 FLOOR LOAD: 50, 50+20, 100 & 125 PSF

DATE 12/1/02  
 DRAWN BY JAG  
 SCALE AS NOTED  
 APPROVED  
 REVISIONS  
 SHEET NO. S-41



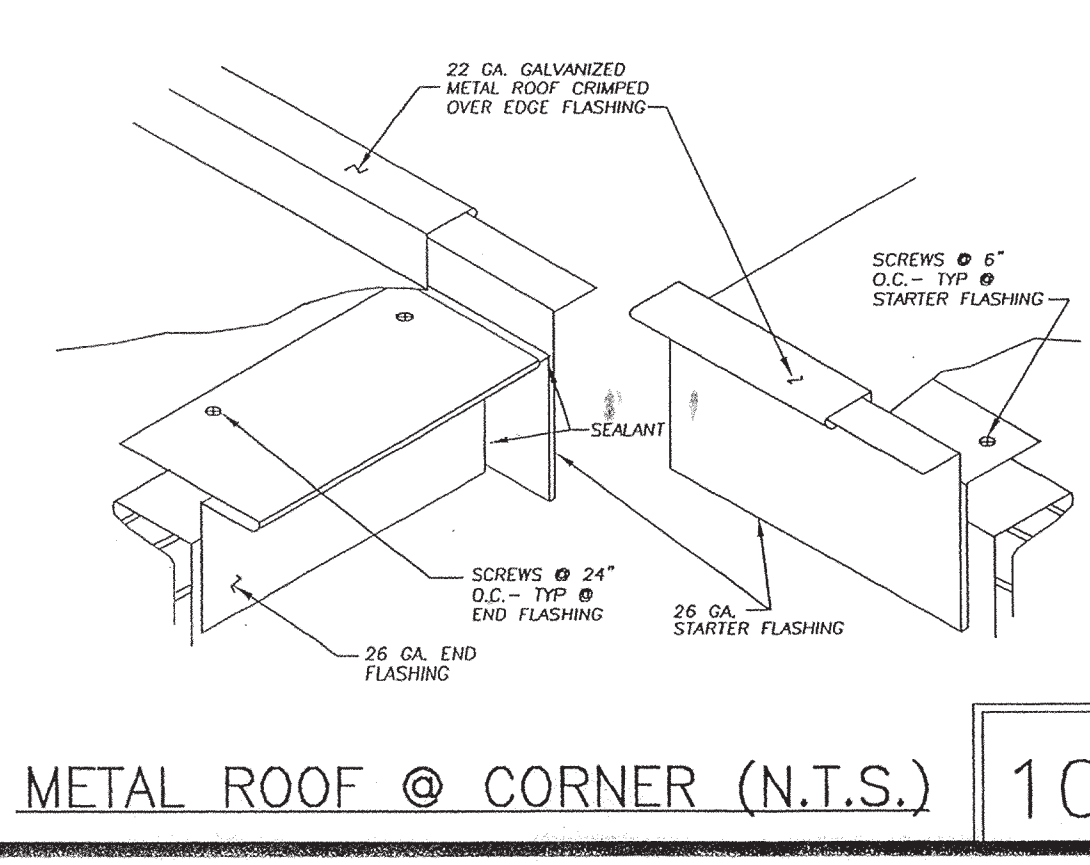
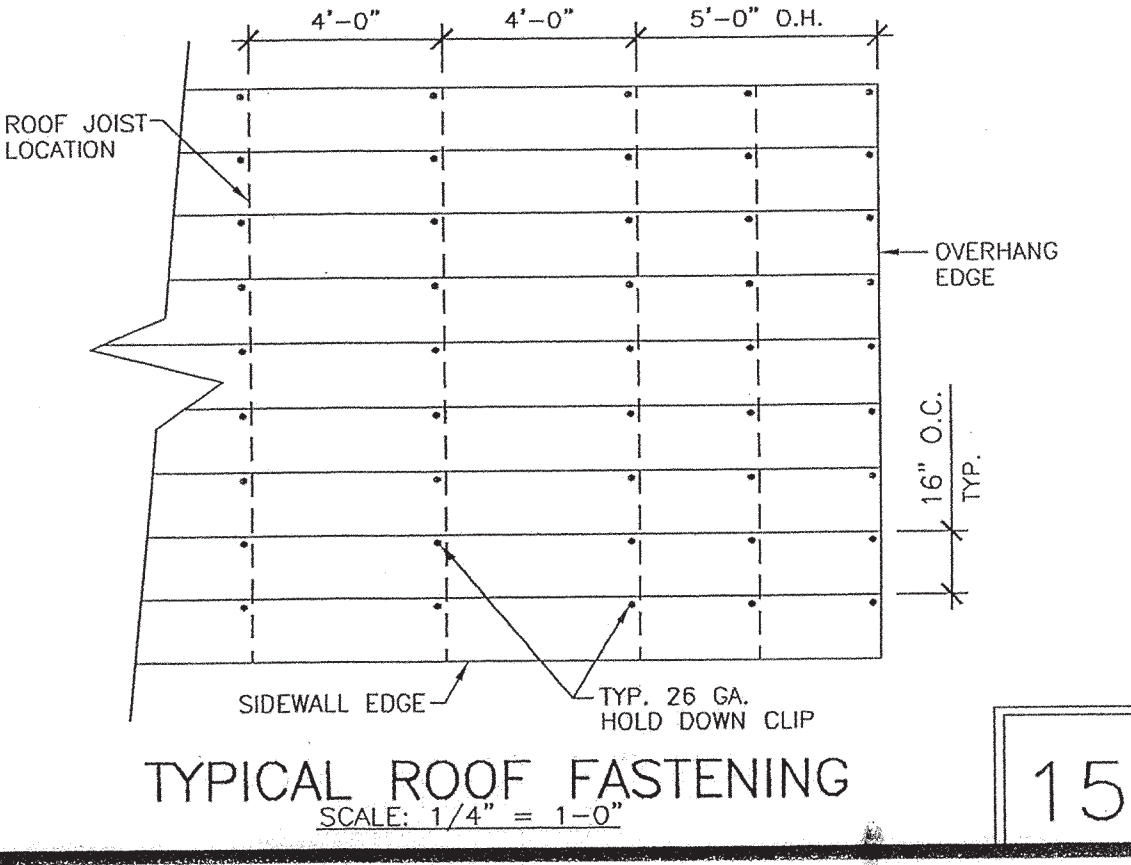
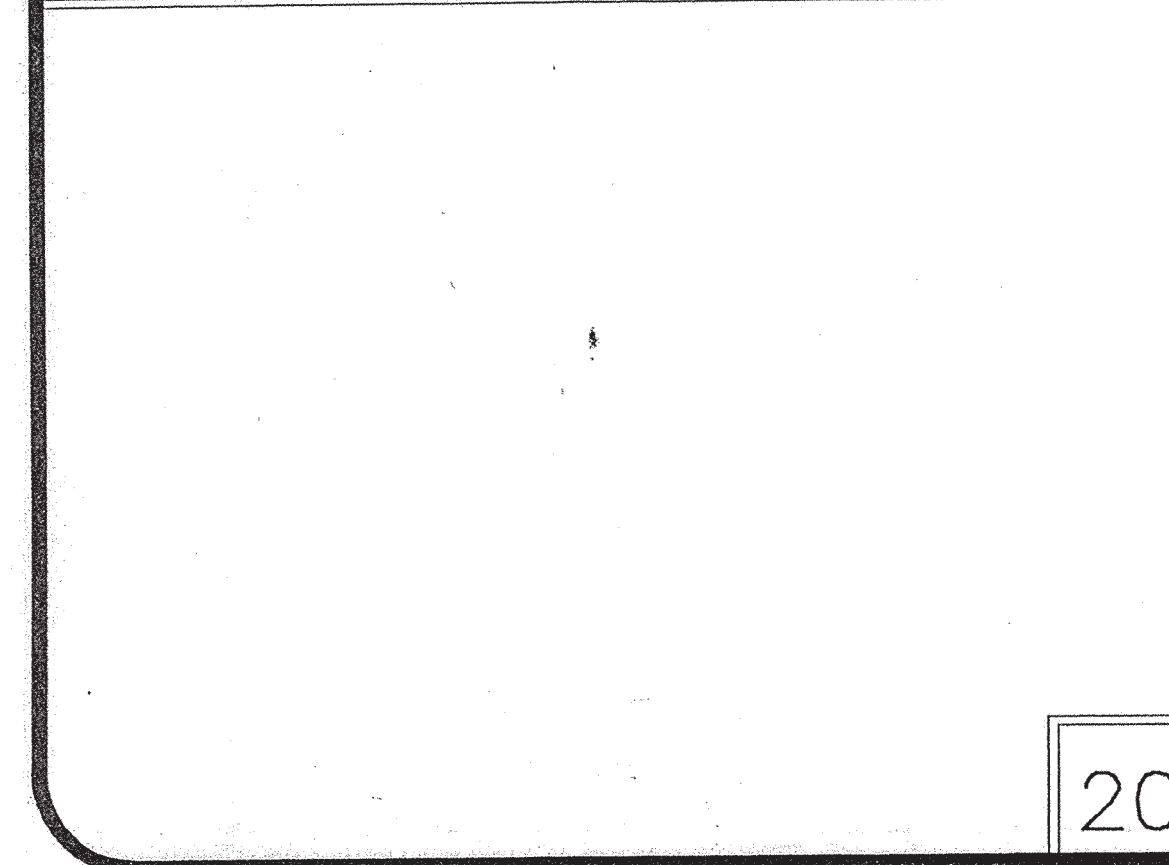
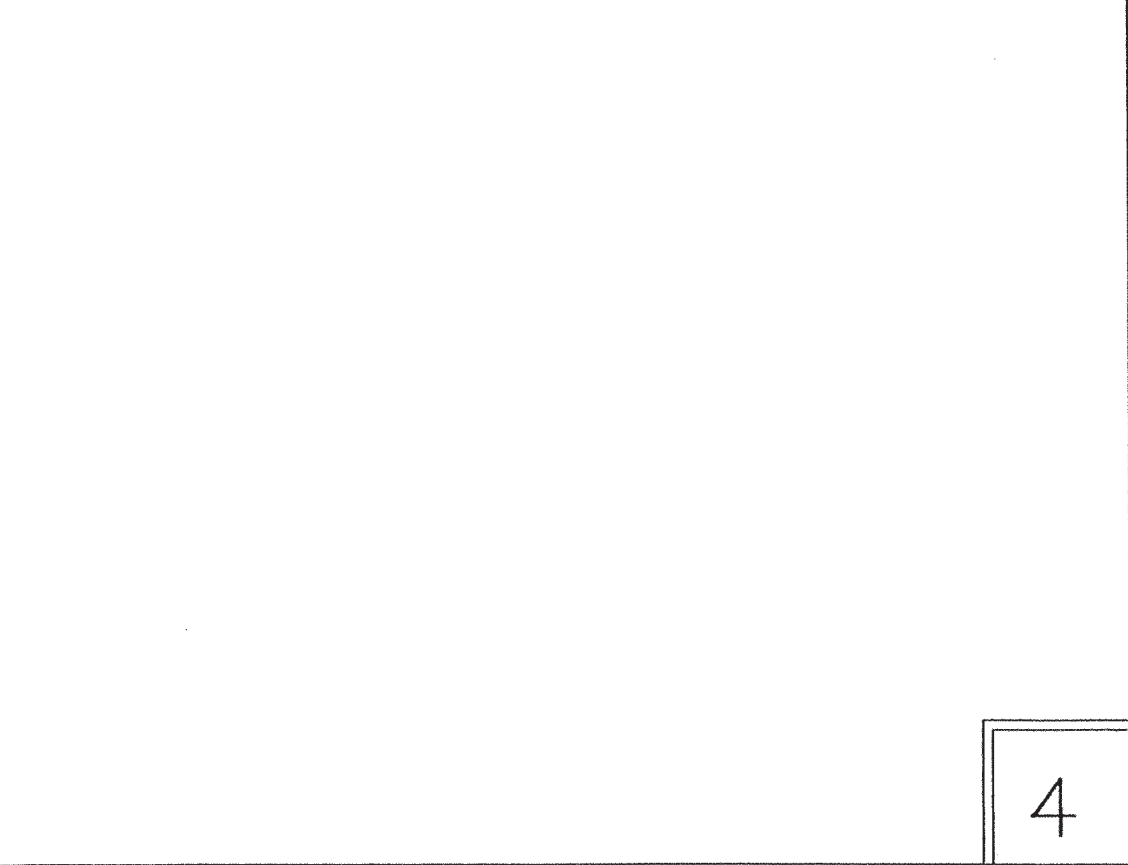
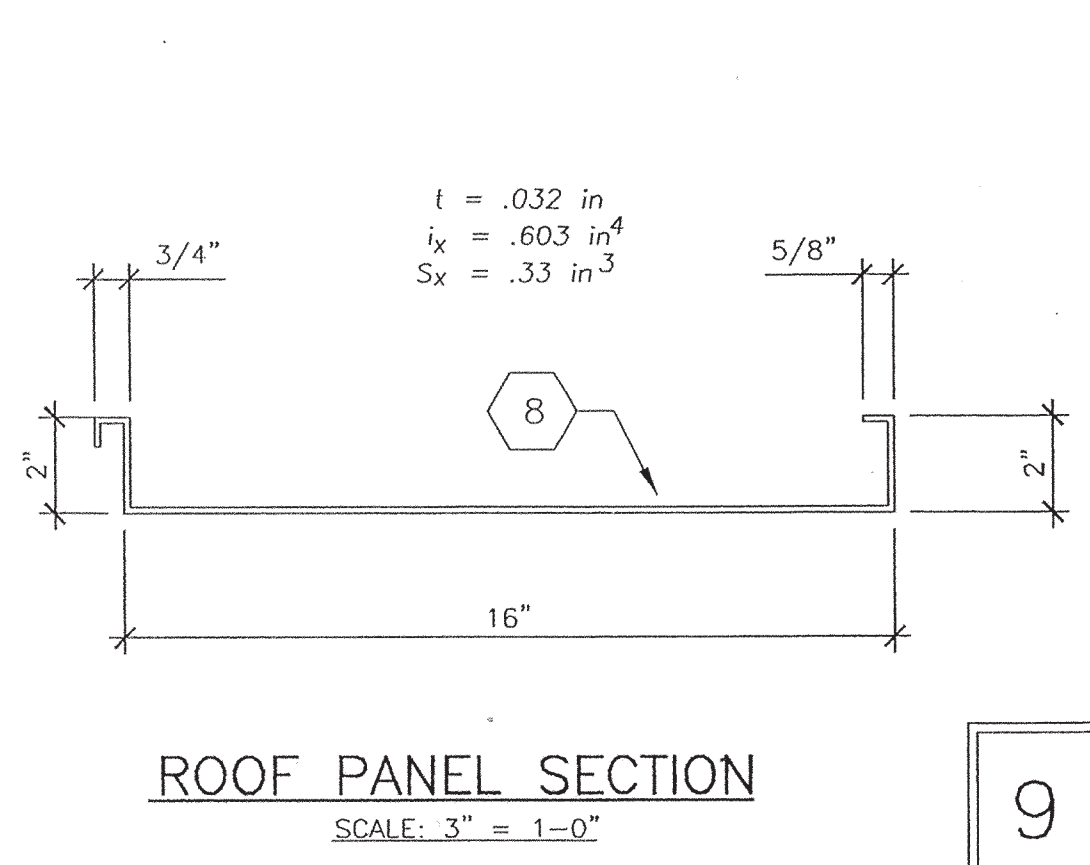
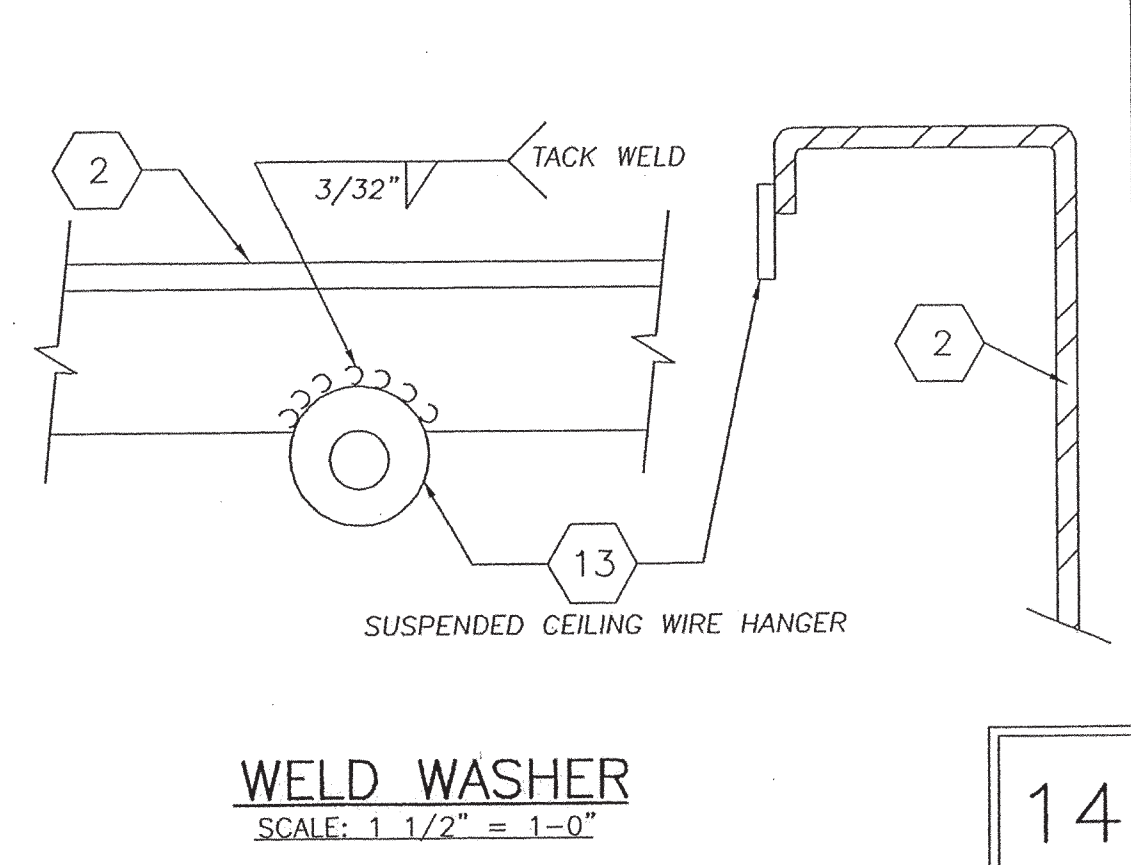
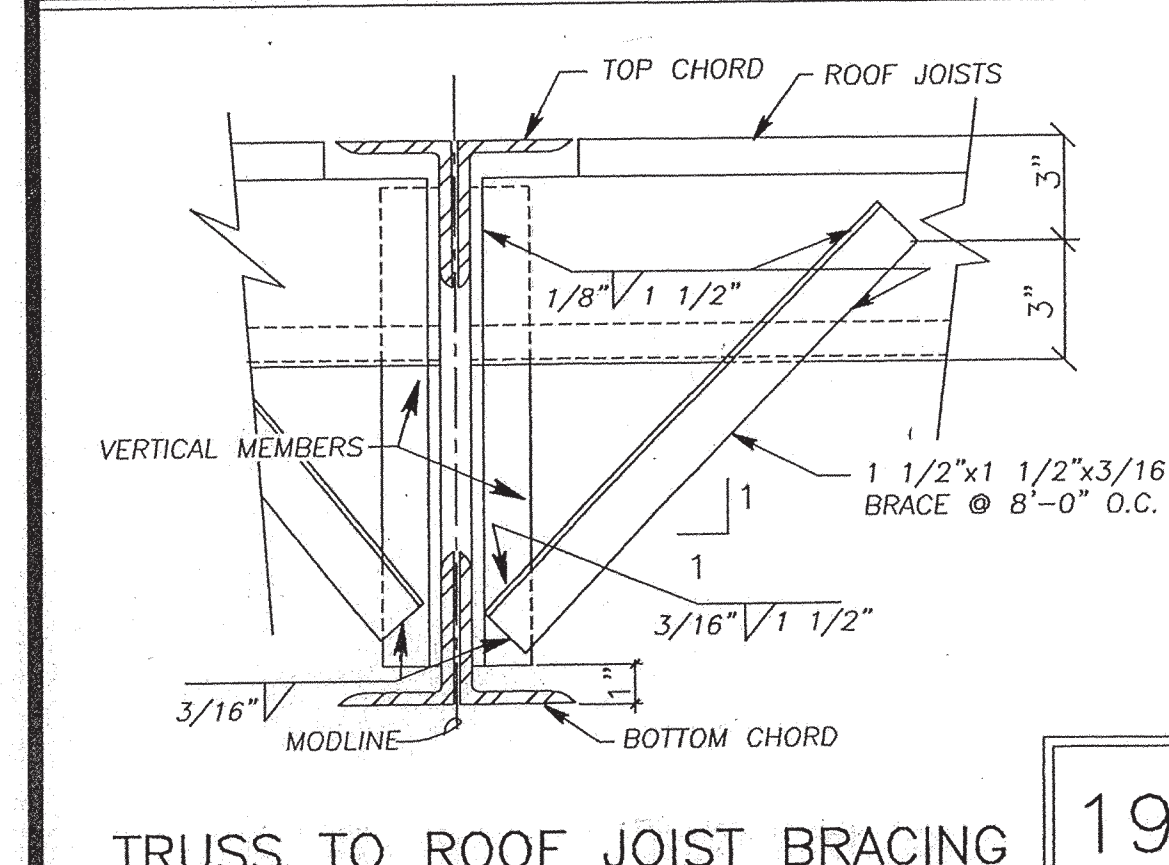
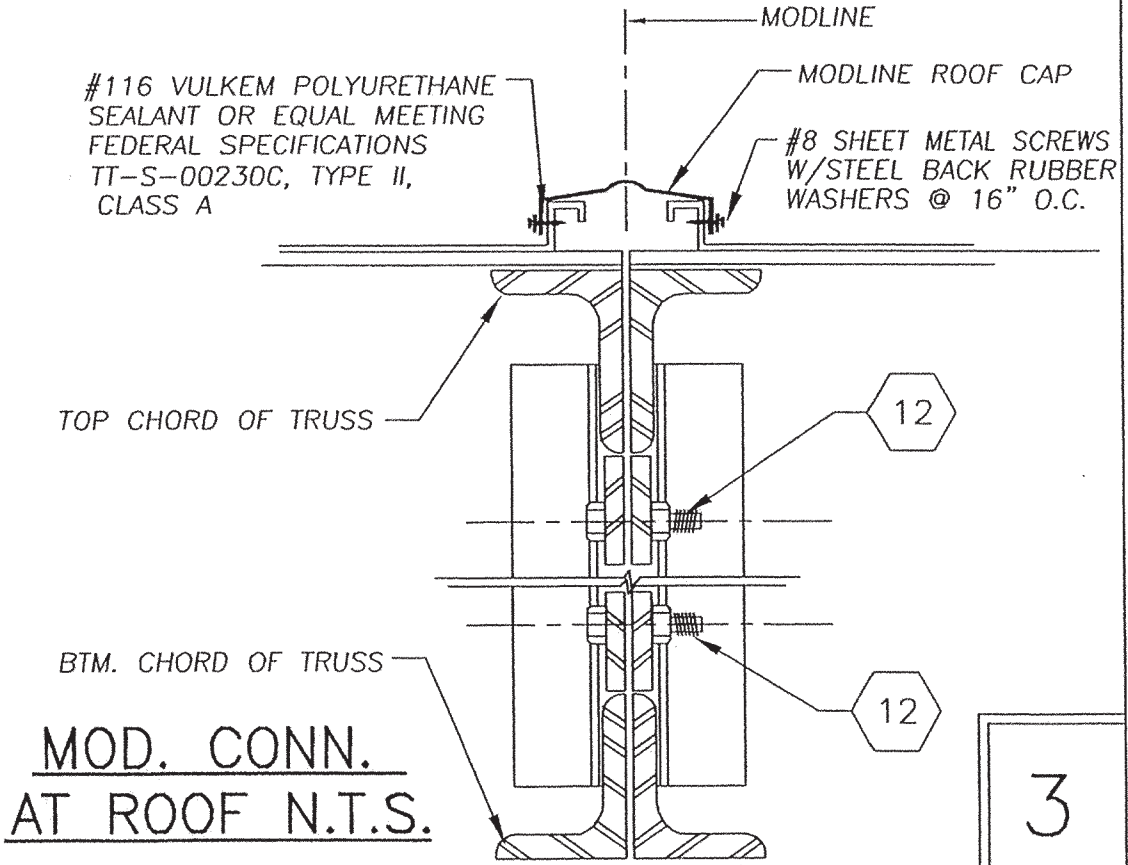
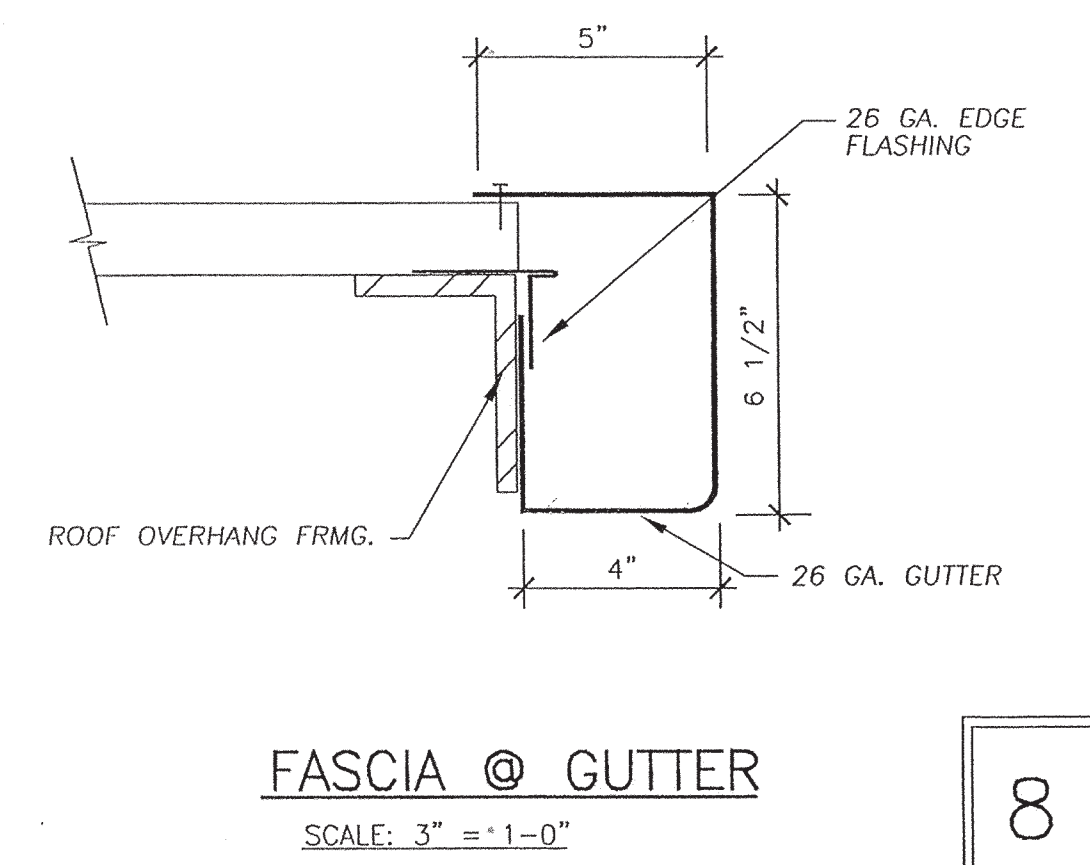
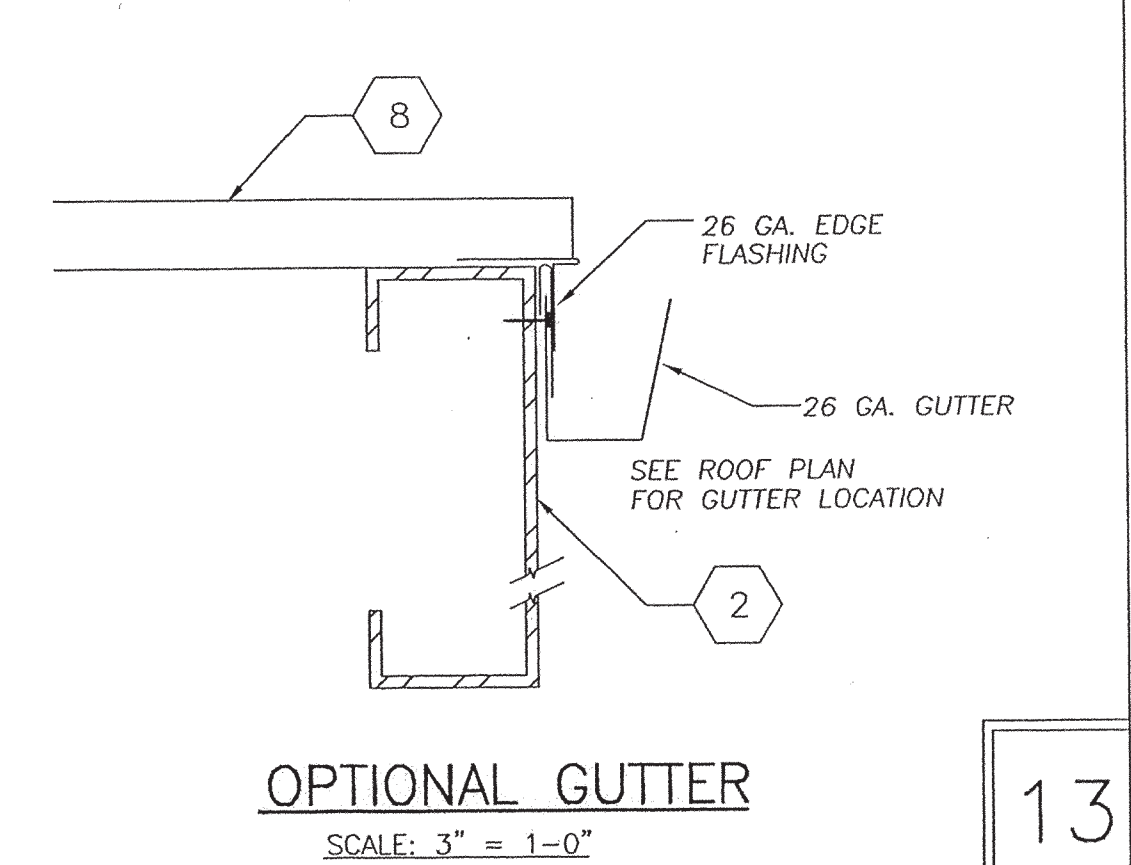
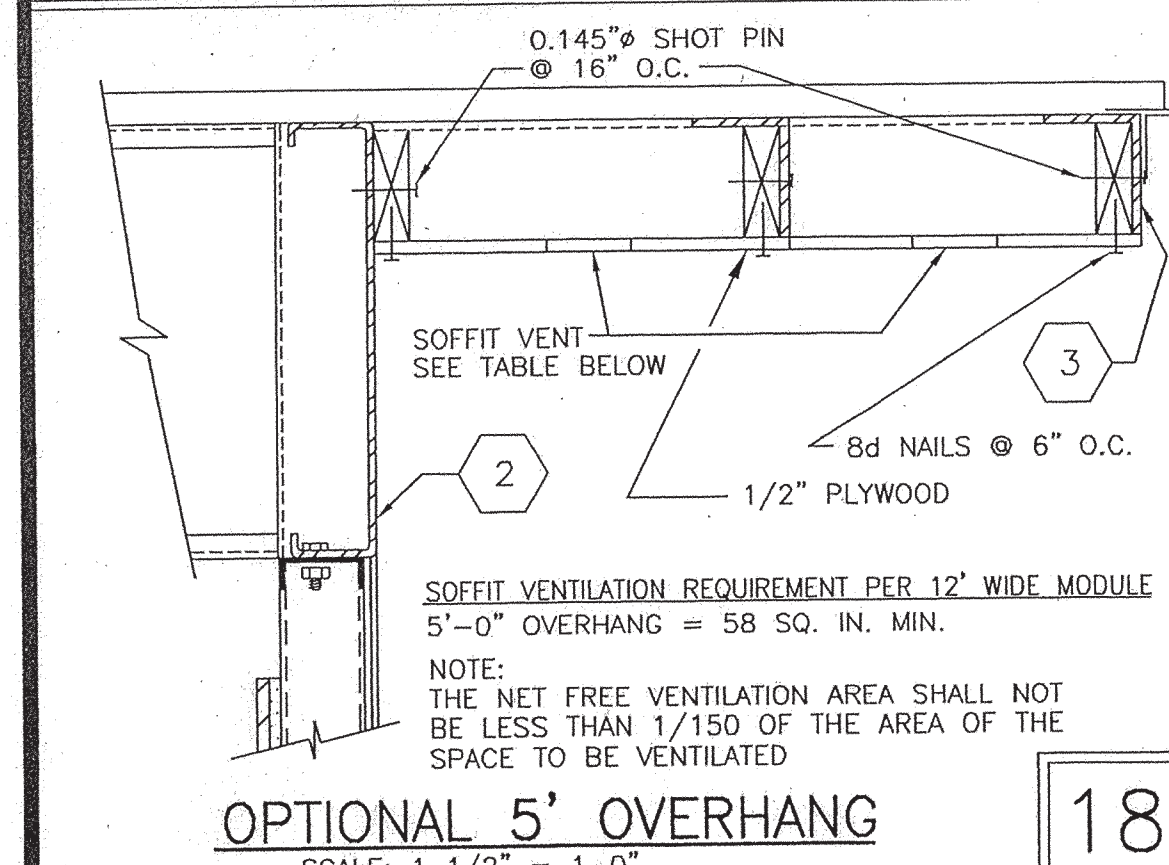
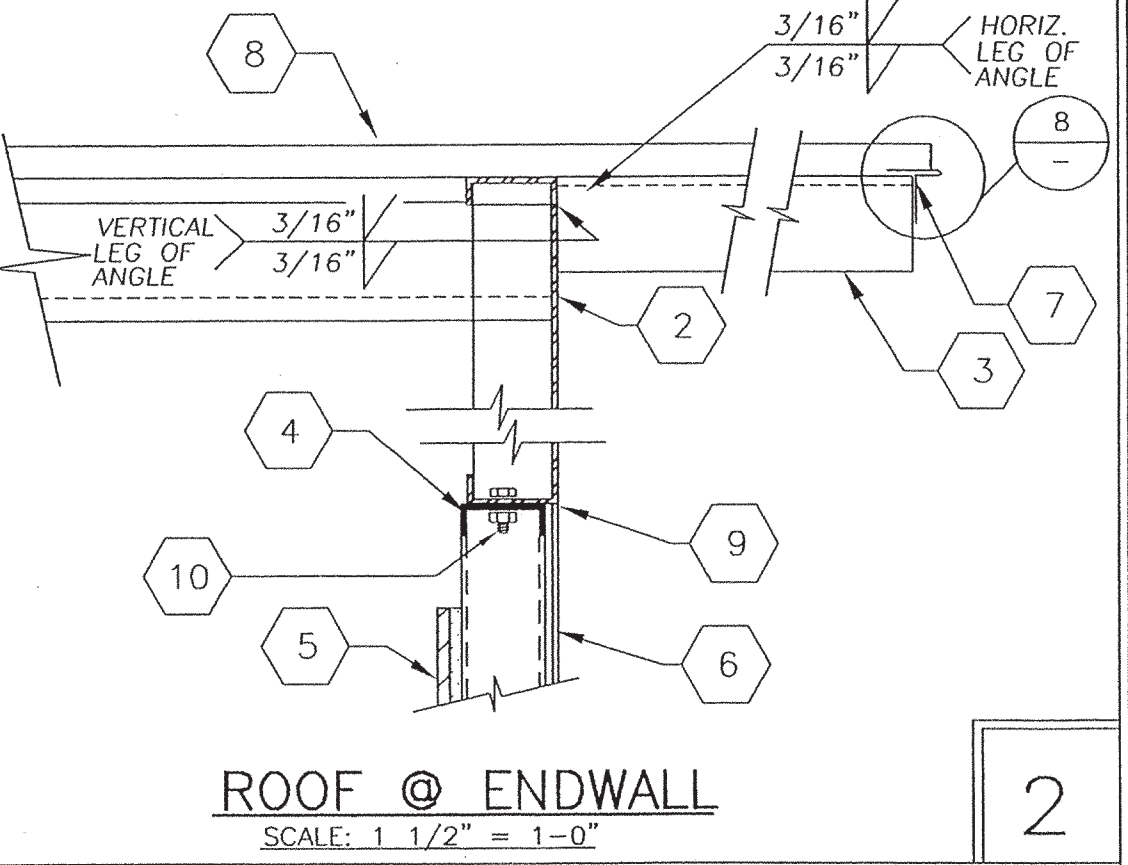
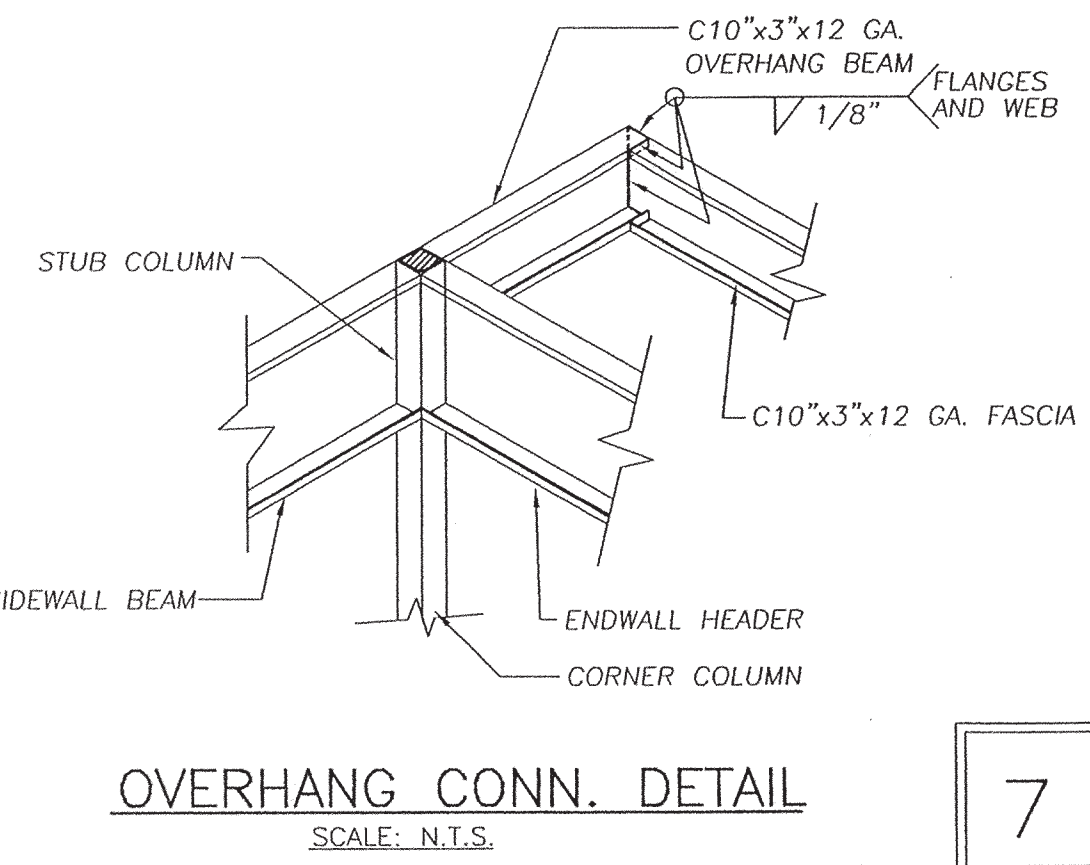
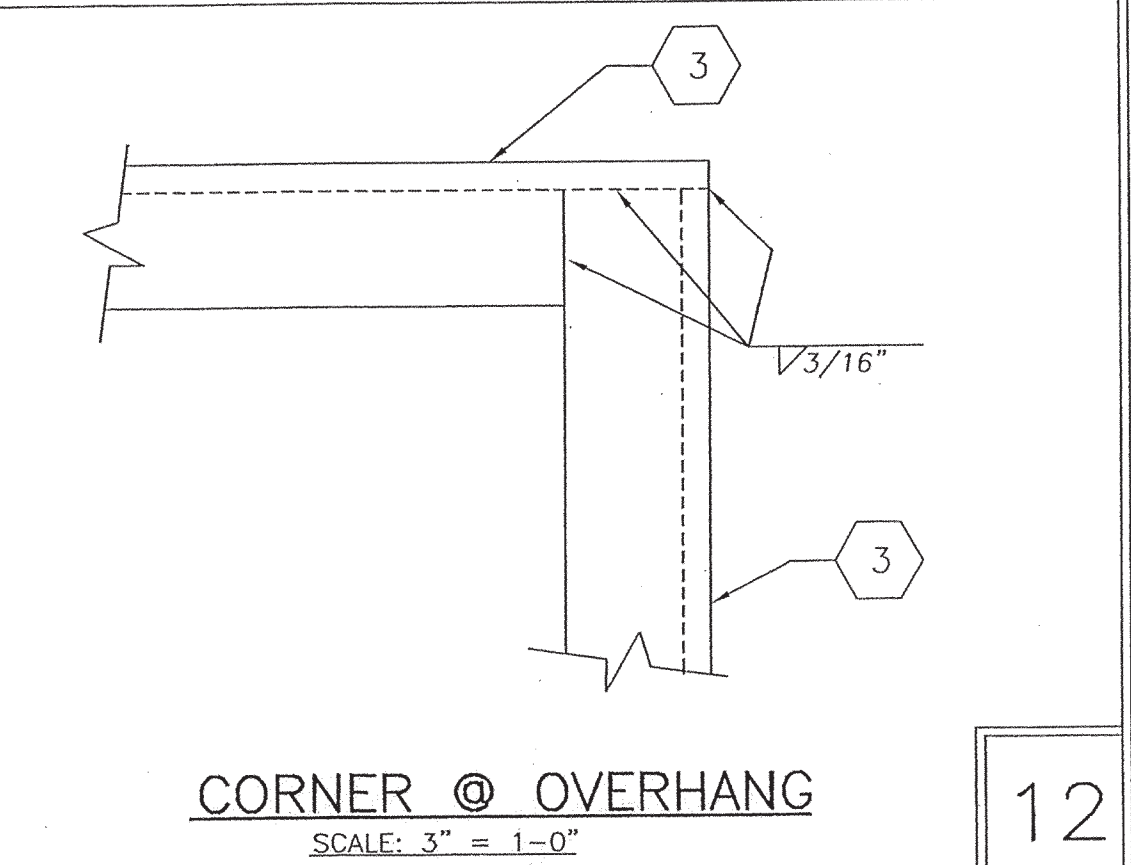
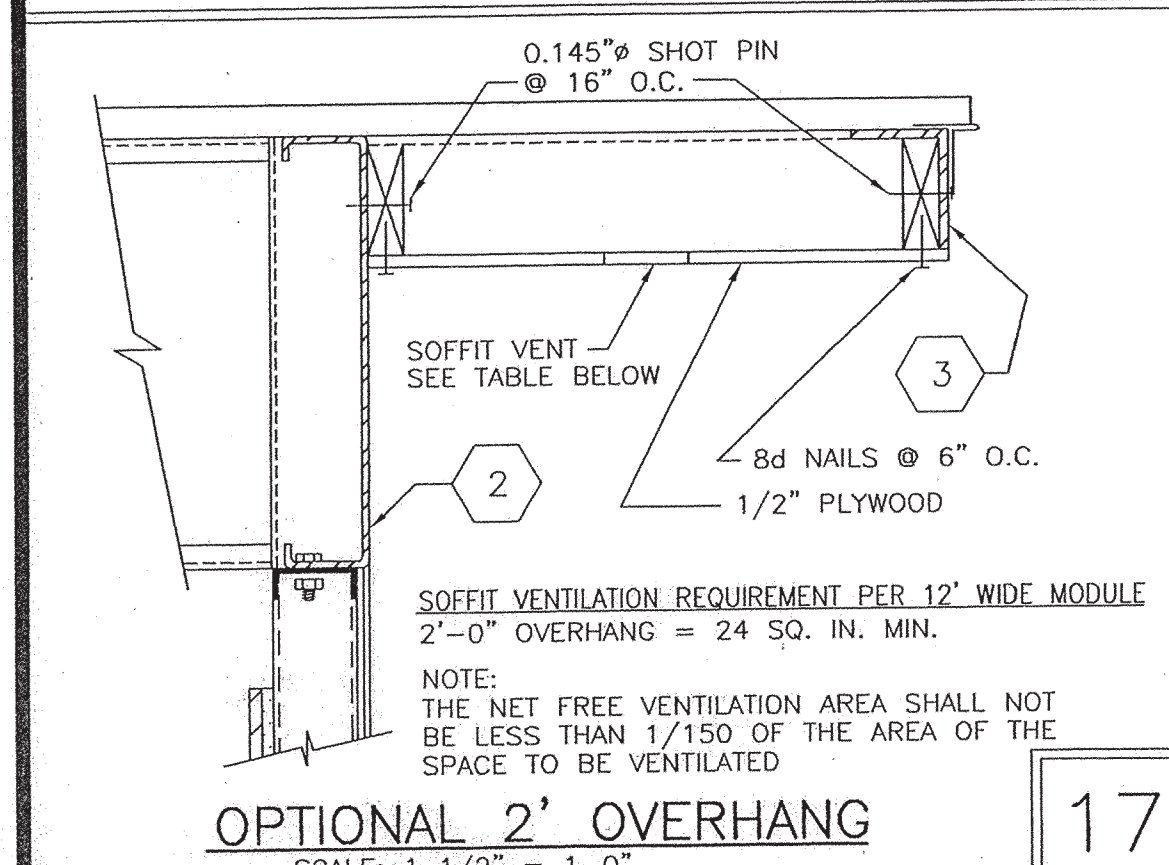
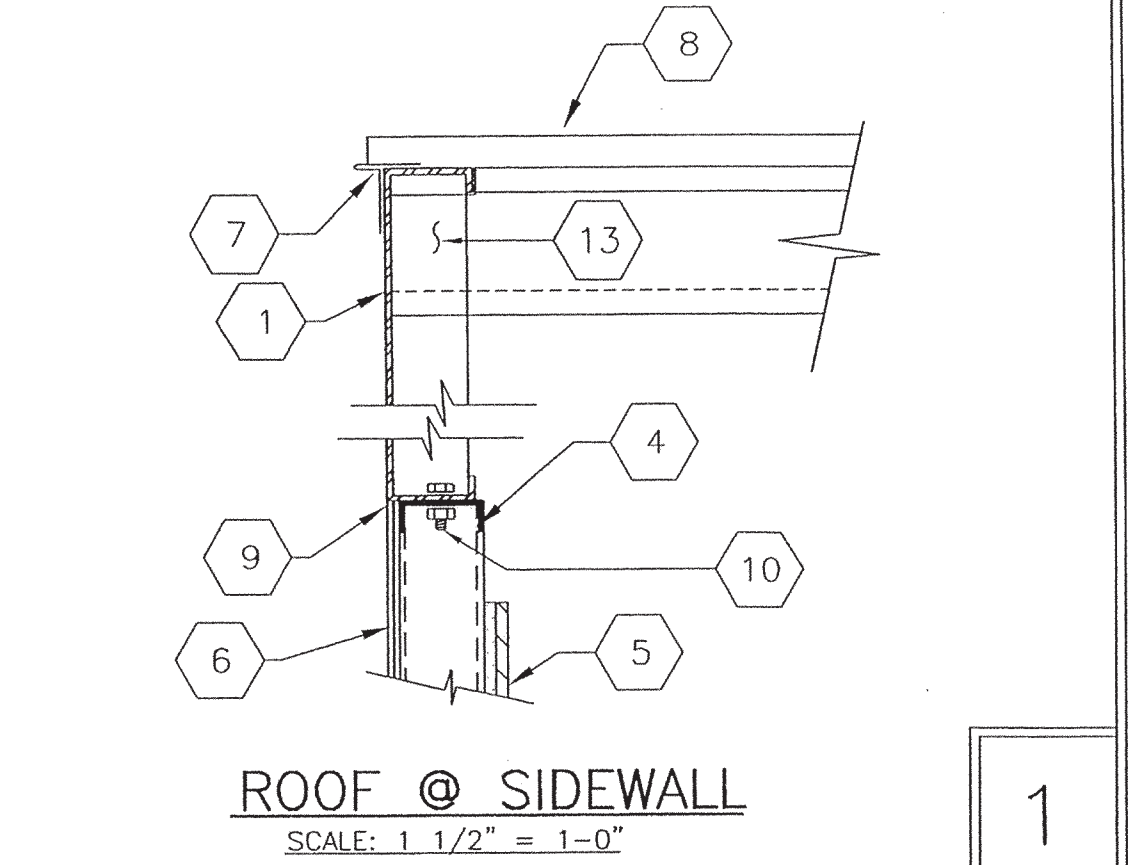
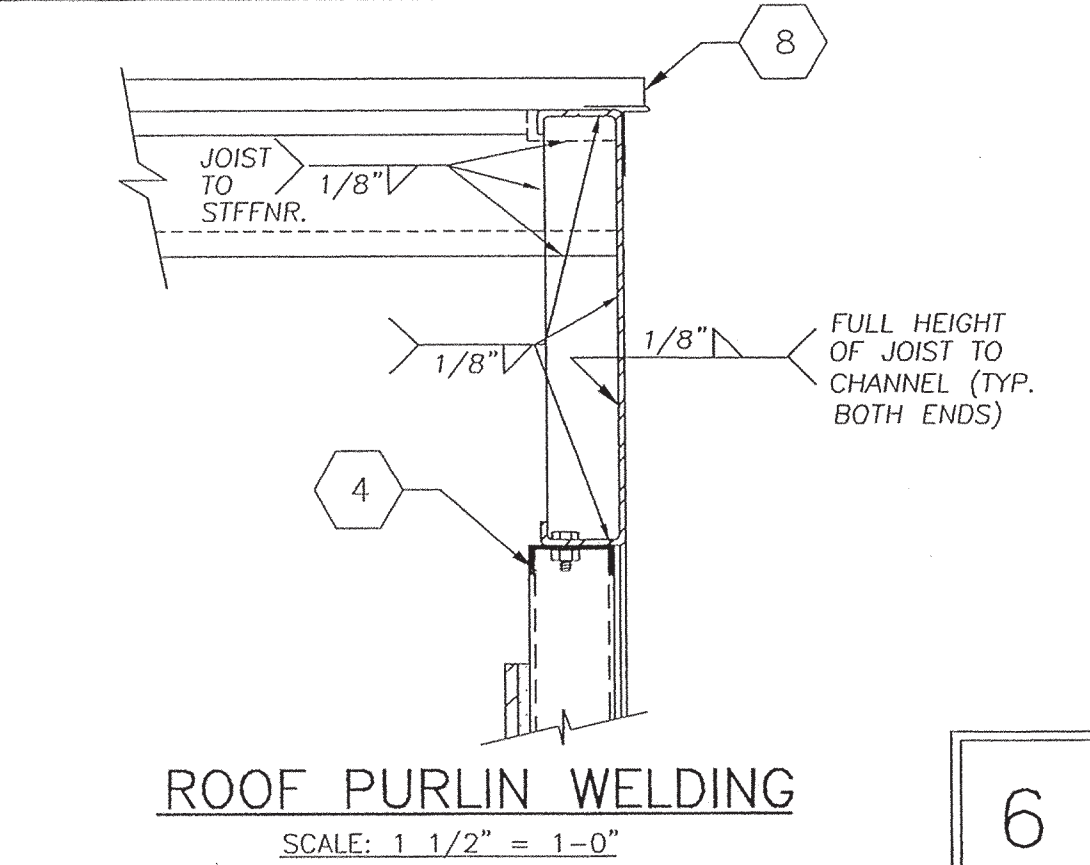
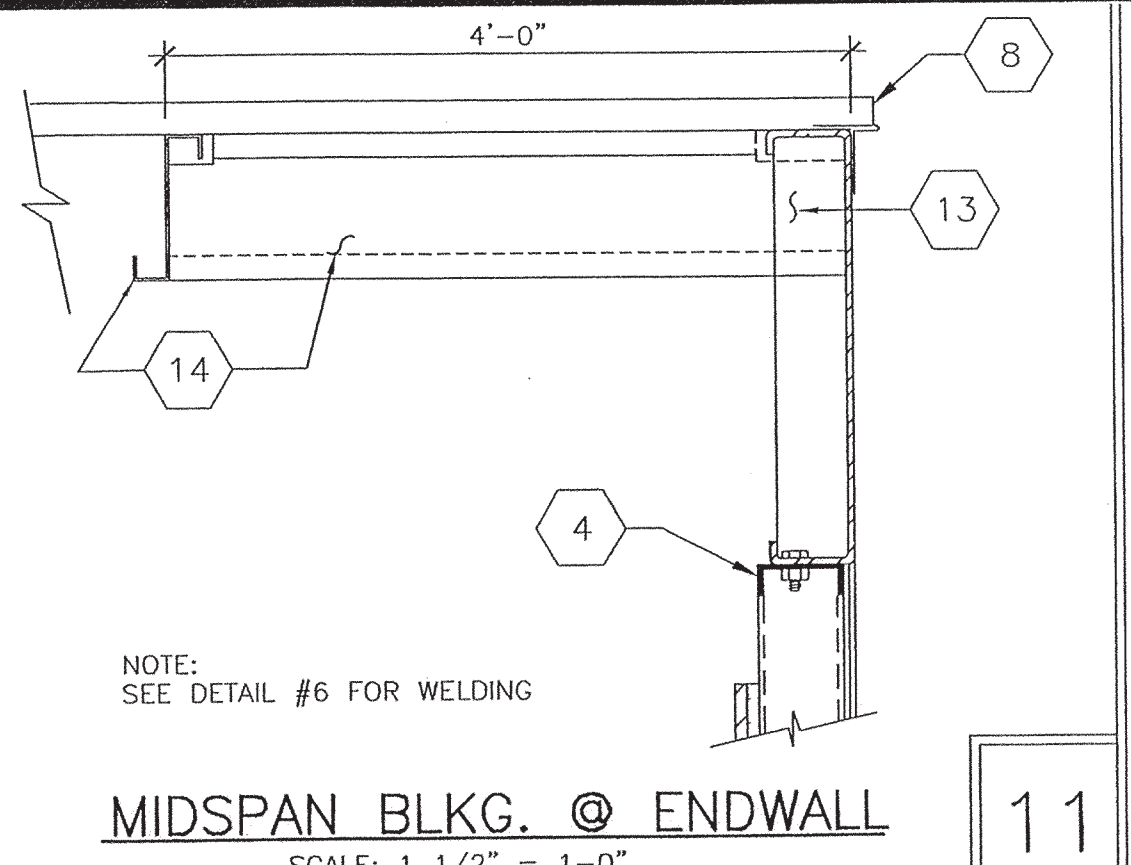
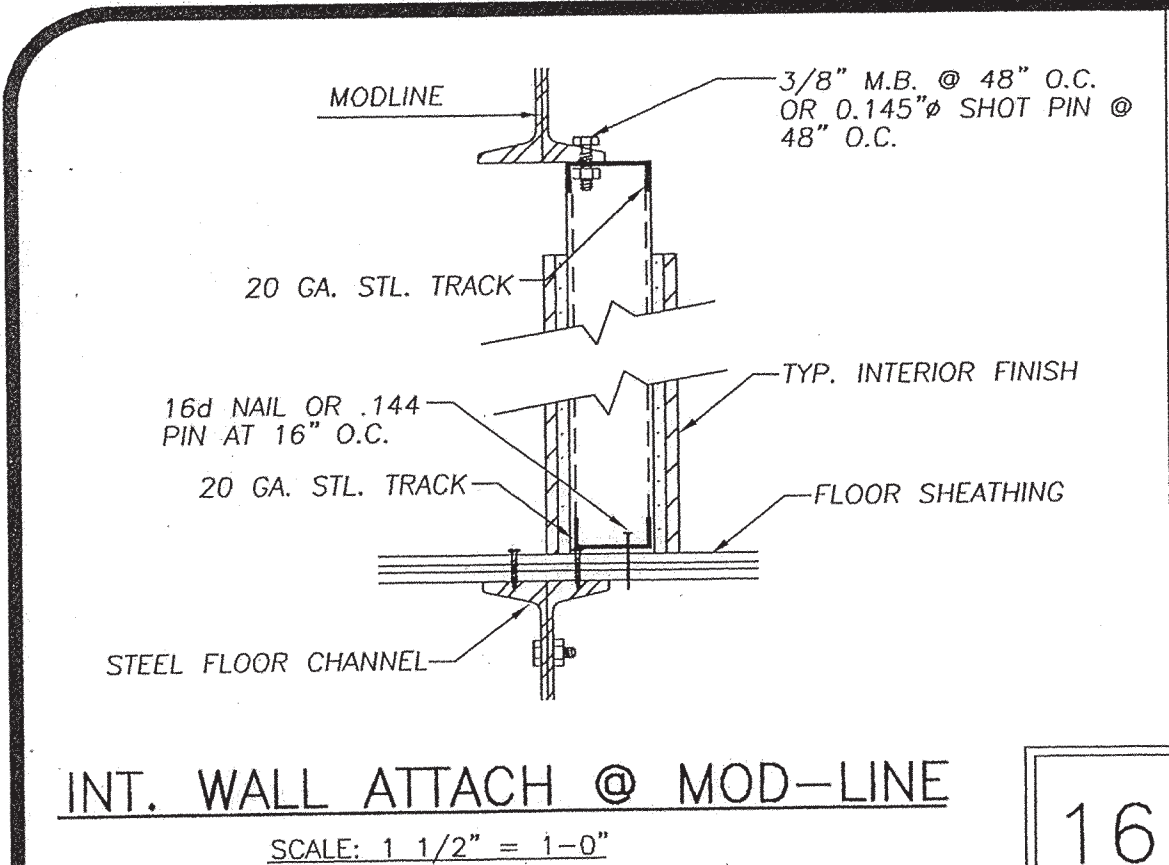
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PROJECT: MODULAR CLASSROOM BUILDING  
 TITLE & BLDG. DATA: ROOF FRAMING DETAILS W/ METAL DECK  
 WIND LOAD: 80 & 90 MPH  
 ROOF LOAD: 20 & 30 PSF  
 FLOOR LOAD: 50, 50+20, 100 & 125 PSF

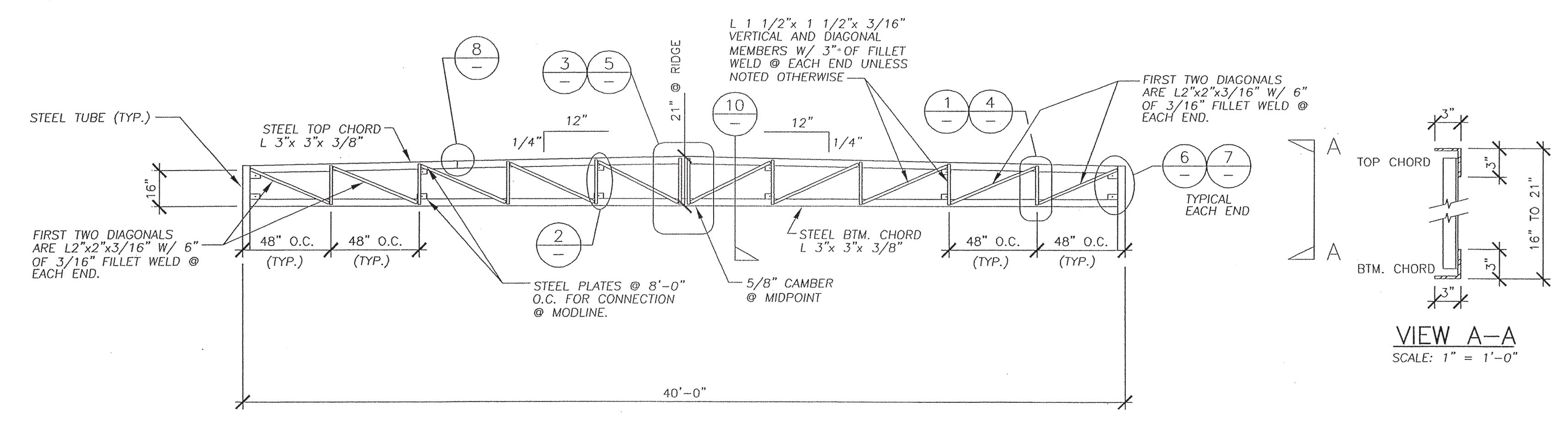
DATE 12/1/02  
 DRAWN BY JAG  
 SCALE AS NOTED  
 APPROVED  
 REVISIONS  
 STATE AGENCY STAMP  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 4-104778  
 AC FLS SS  
 DATE: 9-30-03  
 SHEET NO. S-51

KEYNOTES

- 10 GA. CHANNEL @ ROOF SIDEWALL  
 DUAL SLOPE OPTION: 18/23/18x3 1/2x10 GA.  
 SINGLE SLOPE OPTION: 18/28/18x3 1/2x10 GA.
- 12 GA. CHANNEL @ ROOF HEADER  
 DUAL SLOPE OPTION: 18/23/18x3 1/2x12 GA.  
 SINGLE SLOPE OPTION: 18/28x3 1/2x12 GA.
- OVERHANG @ ENDWALL - SEE ROOF PLAN FOR SIZE AND SHIT. G-2 FOR OVERHANG MATERIAL
- 20 GA. STL. TRACK CONT. TOP PLATE - ATTACH TO CHANNEL W/ 0.145# SHOT PIN AT 18" O.C. OR 3/8" BOLT AT 24" O.C. MIN.
- INTERIOR FINISH - SEE SHEET G-2
- TYP. EXTERIOR FINISH - SEE SHEET G-2
- 26 GA. FLASHING
- STEEL ROOF DECK - 22 GA. ROLL FORMED STANDING SEAM ROOF DECK. SEE DETAIL #9 ROOF PANEL SECTION. SEE DETAILS #5 AND #10 FOR ATTACHMENT SPECIFICATIONS.
- PAINTABLE ACRYLIC LATEX SEALANT (U.N.O.)
- 1/2# MACHINE BOLT W/ WASHER @ 24" OC MIN. OR 0.145# SHOT PIN AT 18" O.C.
- WELD WASHER - 1-3/8" 3/32" WITH 9/16" HOLE. WELD TO UPPER CHANNEL FLANGE.
- 5/8" MACHINE BOLT AT 8'-0" O.C. @ MODULE CONNECTION.
- 1/4" FULL HEIGHT STIFFENER @ 4'-0" O.C.
- 6"x 14 GA. ROOF JOIST OR BLK.

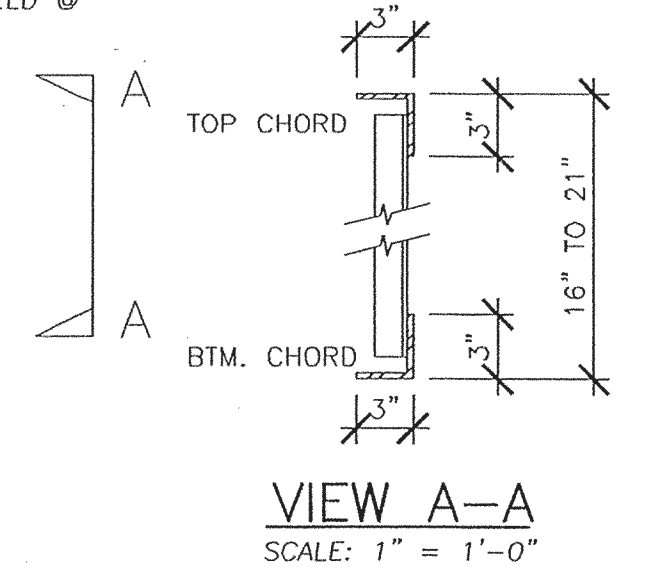


DATE SIGNED JUL 15 2003  
 DATE SIGNED MAY 21 2006  
 RECEIVED JUL 24 2003 WESTERN DIVISION



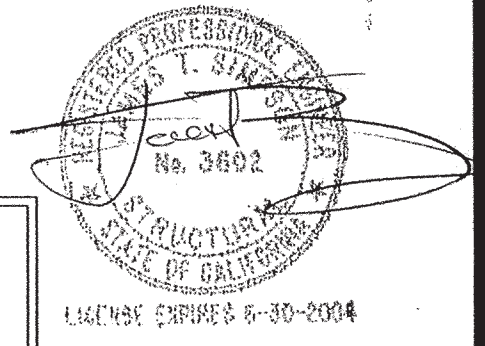
**DUAL SLOPE STEEL TRUSS ELEVATION**  
 W/ 20 PSF ROOF LOAD & 80 MPH WIND  
 SCALE: 1/4" = 1'-0"

- NOTES:**
1. ALL STEEL GRADES TO BE A-36 OR EQ. WITH 36 K.S.I. MIN. YIELD
  2. REQUIRED ELECTRODES FOR ALL WELDS TO BE E-70-XX OR EQ.
  3. VOLTAGE & AMPERAGE SHALL BE PER ELECTRODE MANUFACTURERS SPECIFICATIONS.
  4. BOLTS & NUTS TO BE A307.
  5. 3/8"x3"x5 1/2" PLATE WITH 11/16" HOLE FOR 5/8" MACHINE BOLT. PLATES @ 8'-0" O.C. FOR MODULE CONNECTION. SEE DETAIL #2A.



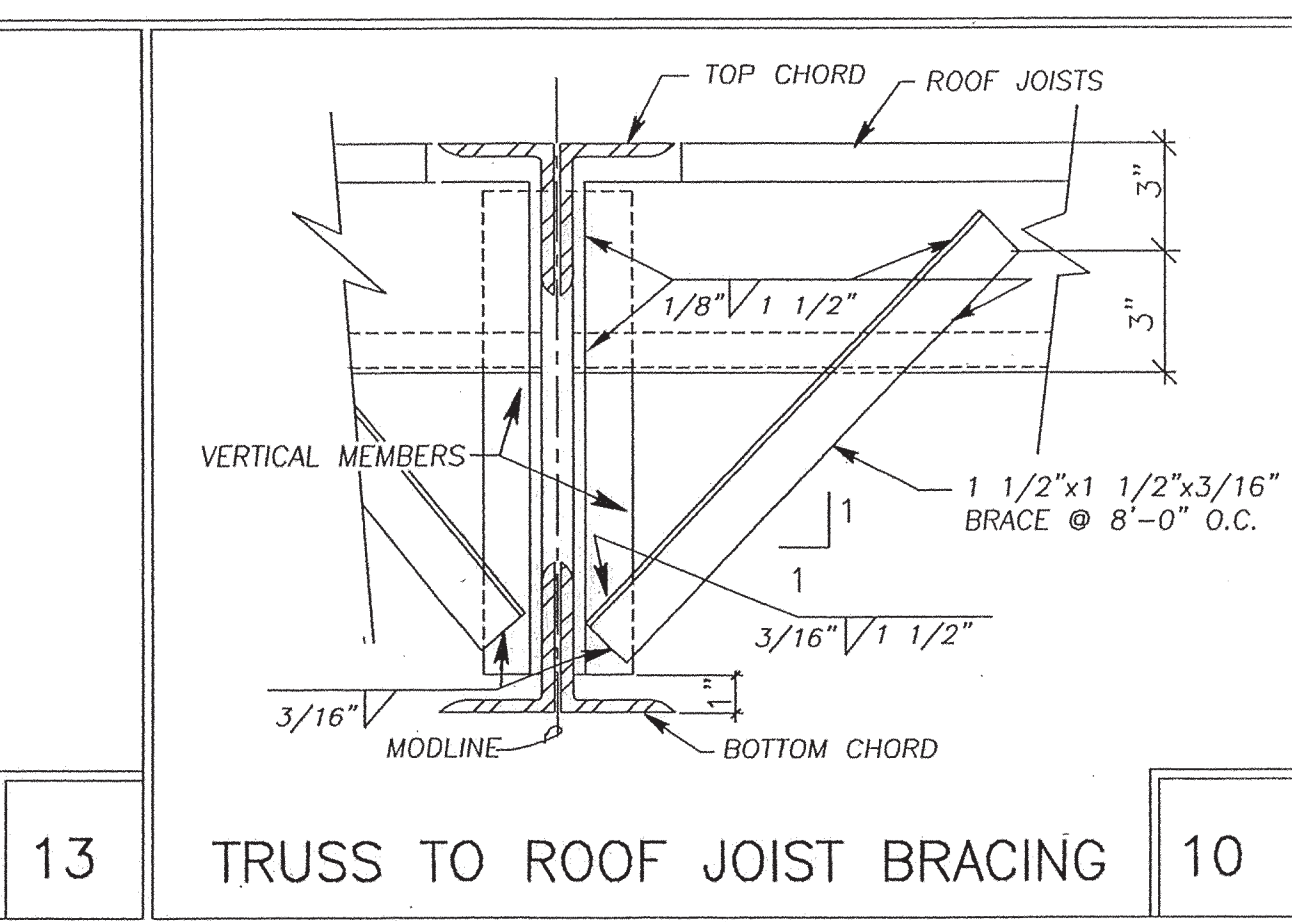
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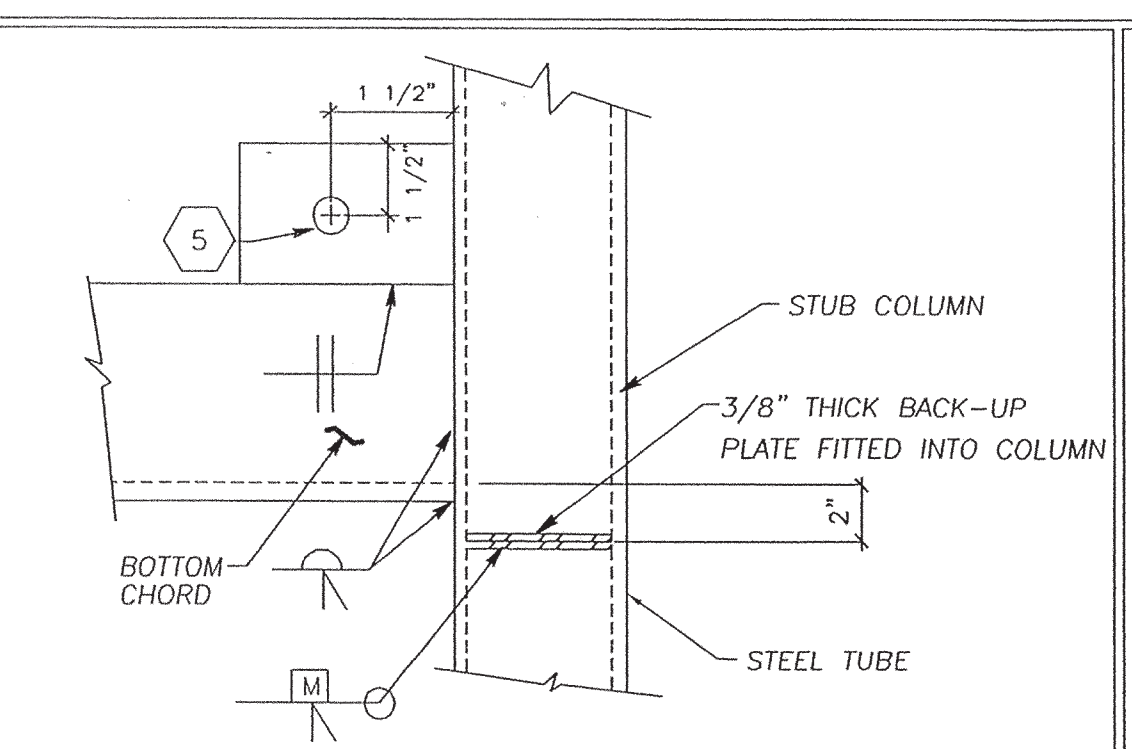


**MSI**  
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 PHONE: (909) 788-3035 FAX: (909) 788-1323

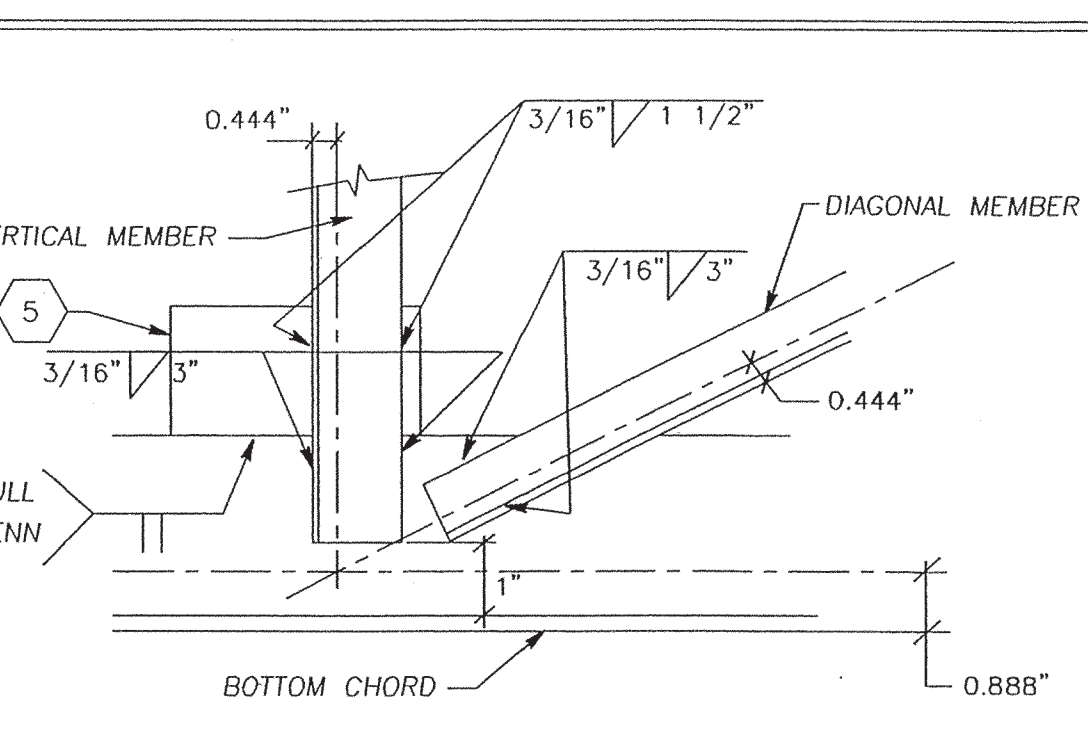
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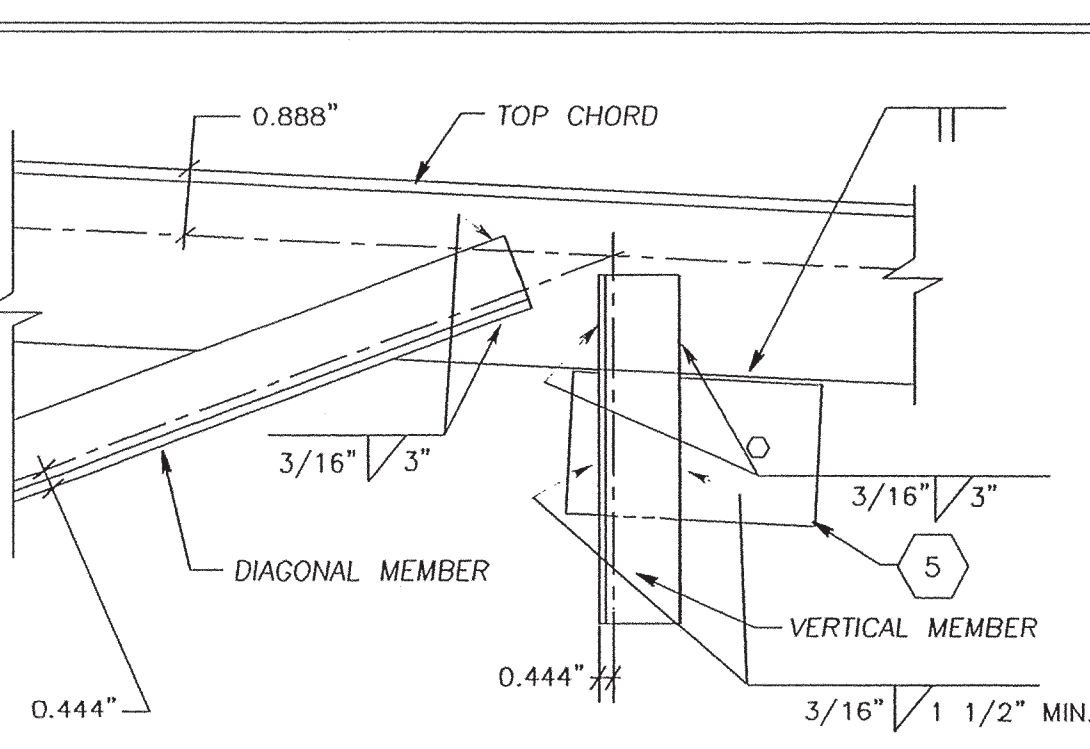
13 TRUSS TO ROOF JOIST BRACING 10



7 POST CONN. TO TRUSS (BOT.) 7



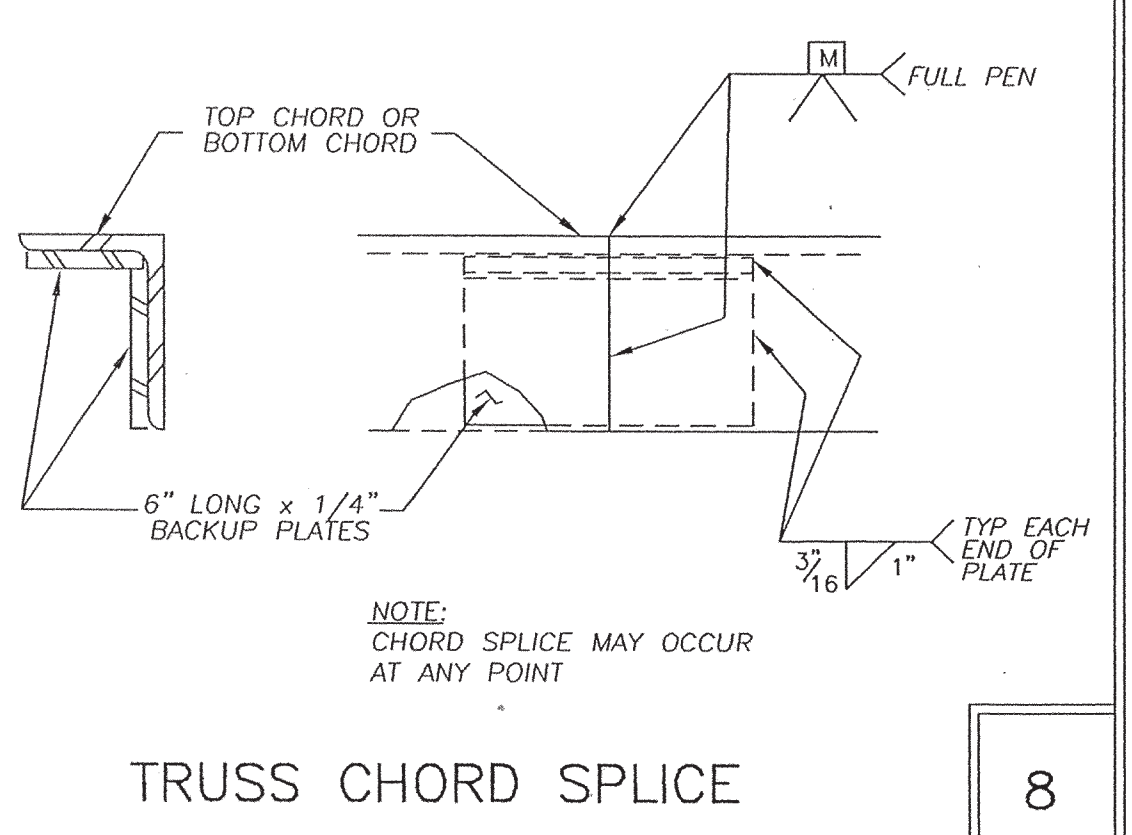
4 VERT. & DIAG. TO BTM CHORD 4



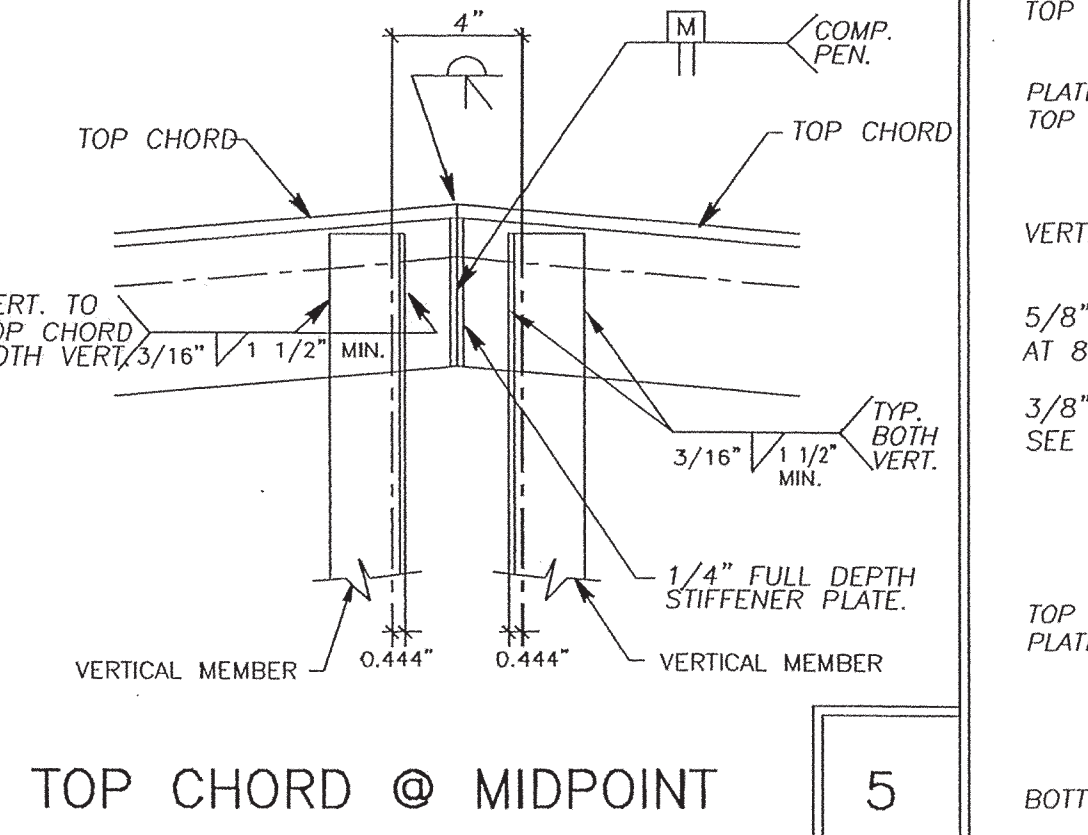
1 VERT. & DIAG. TOP CHORD 1



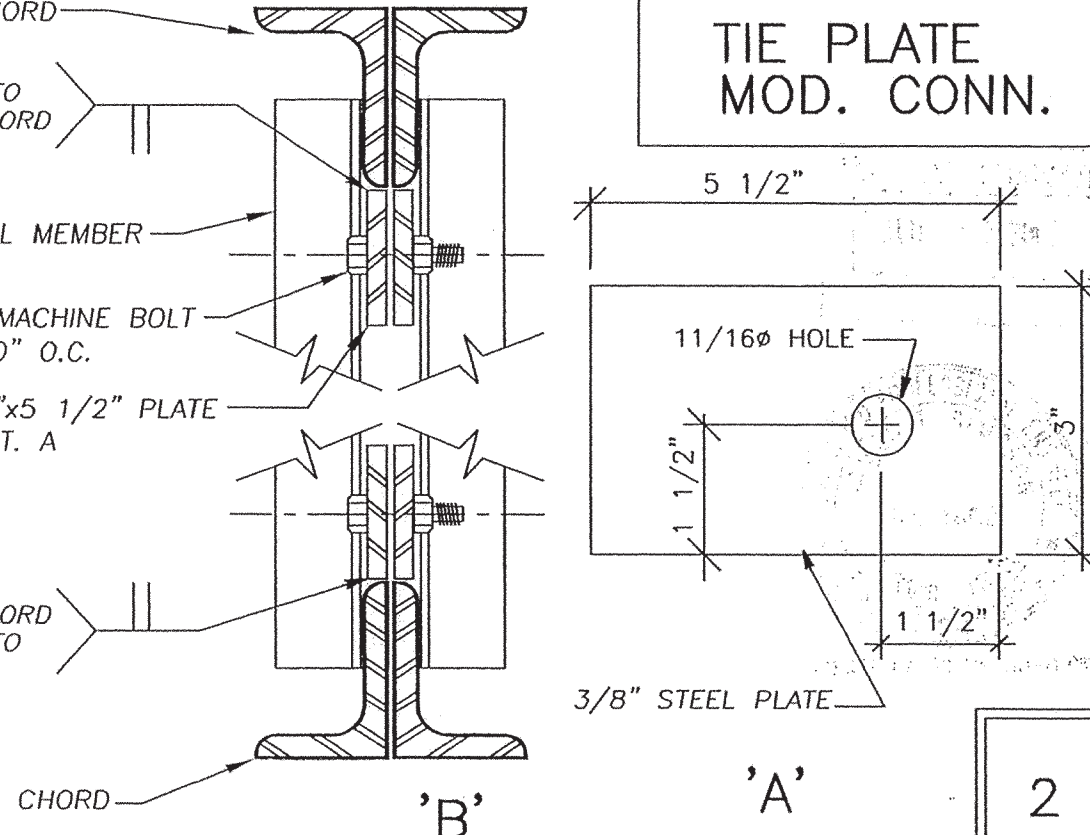
14 TRUSS CHORD SPLICE 11



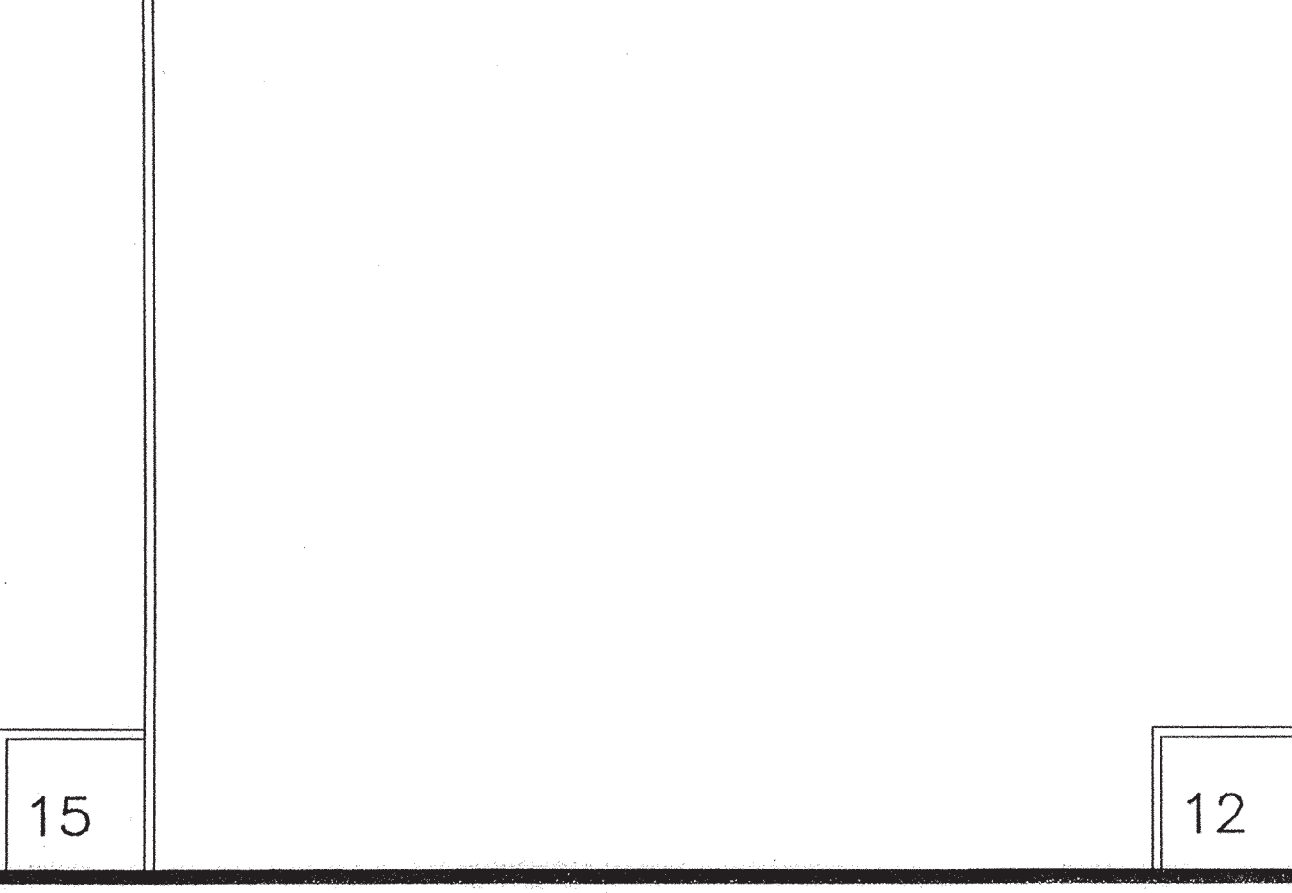
8 TRUSS CHORD SPLICE 8



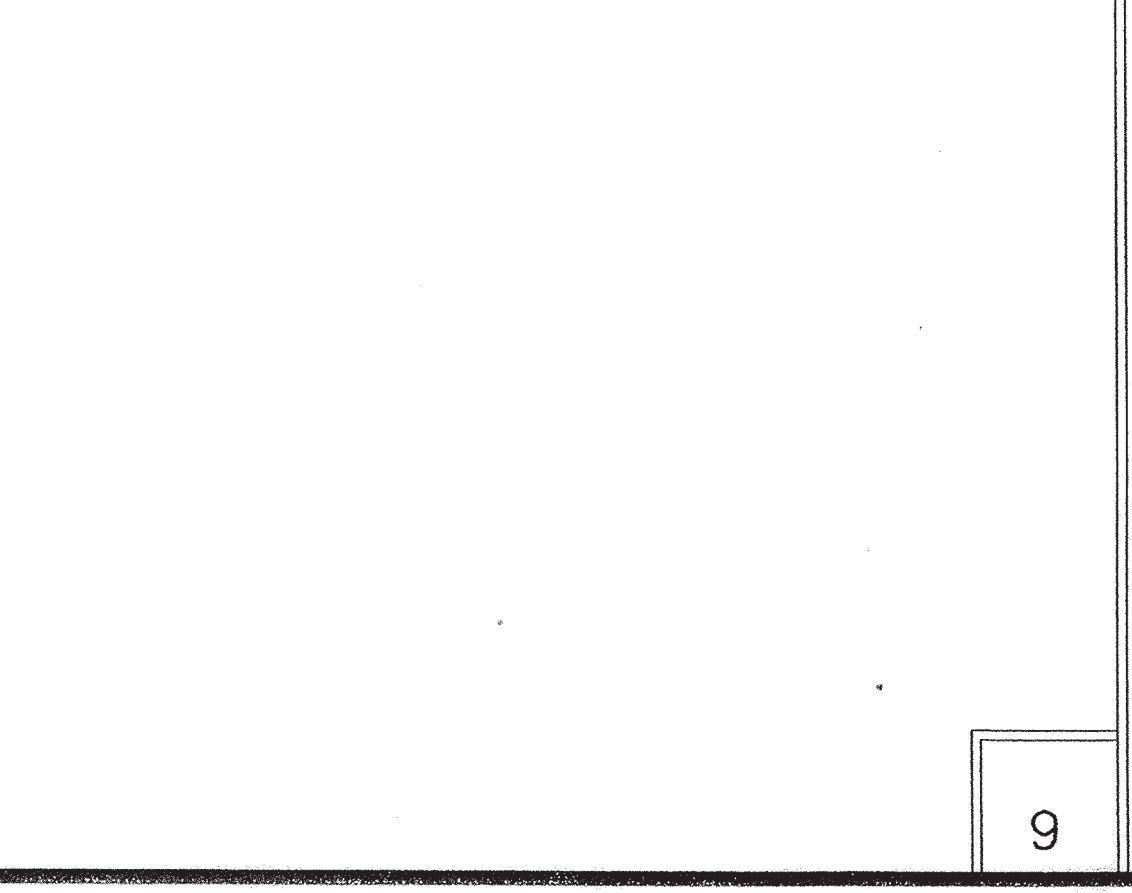
5 TOP CHORD @ MIDPOINT 5



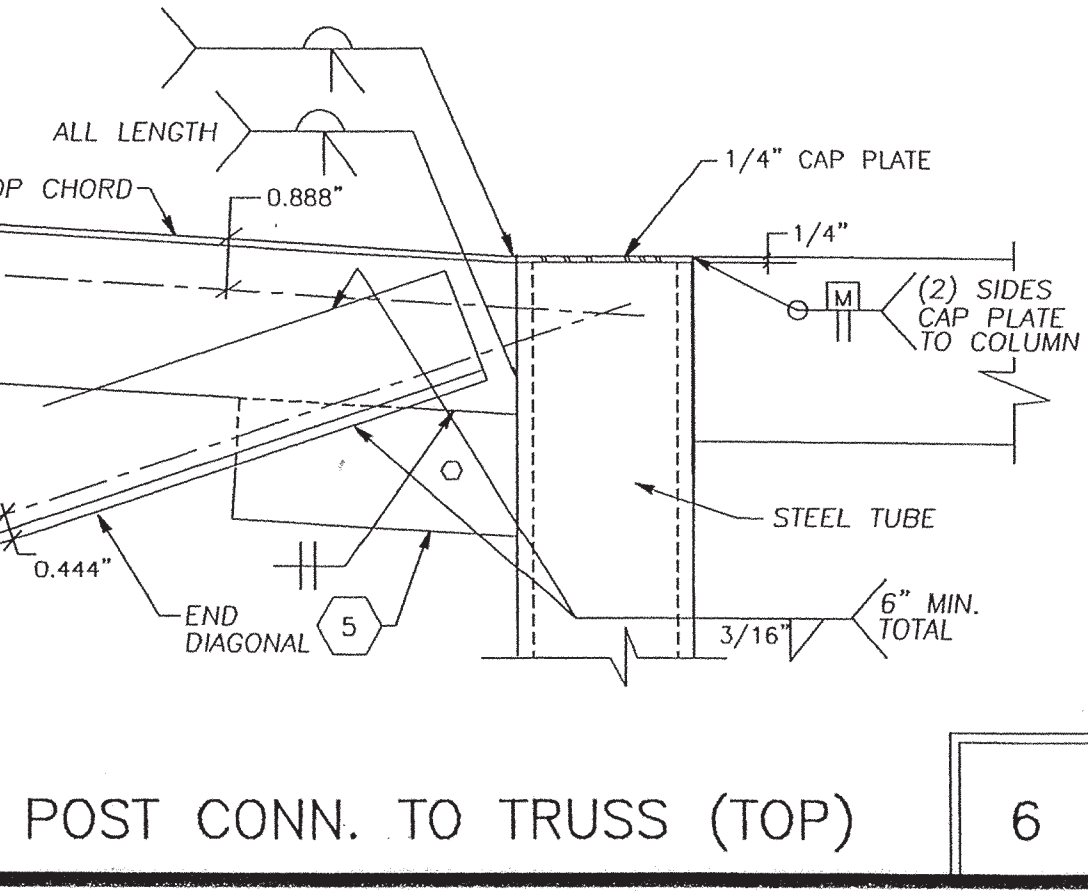
2 TIE PLATE MOD. CONN. 2



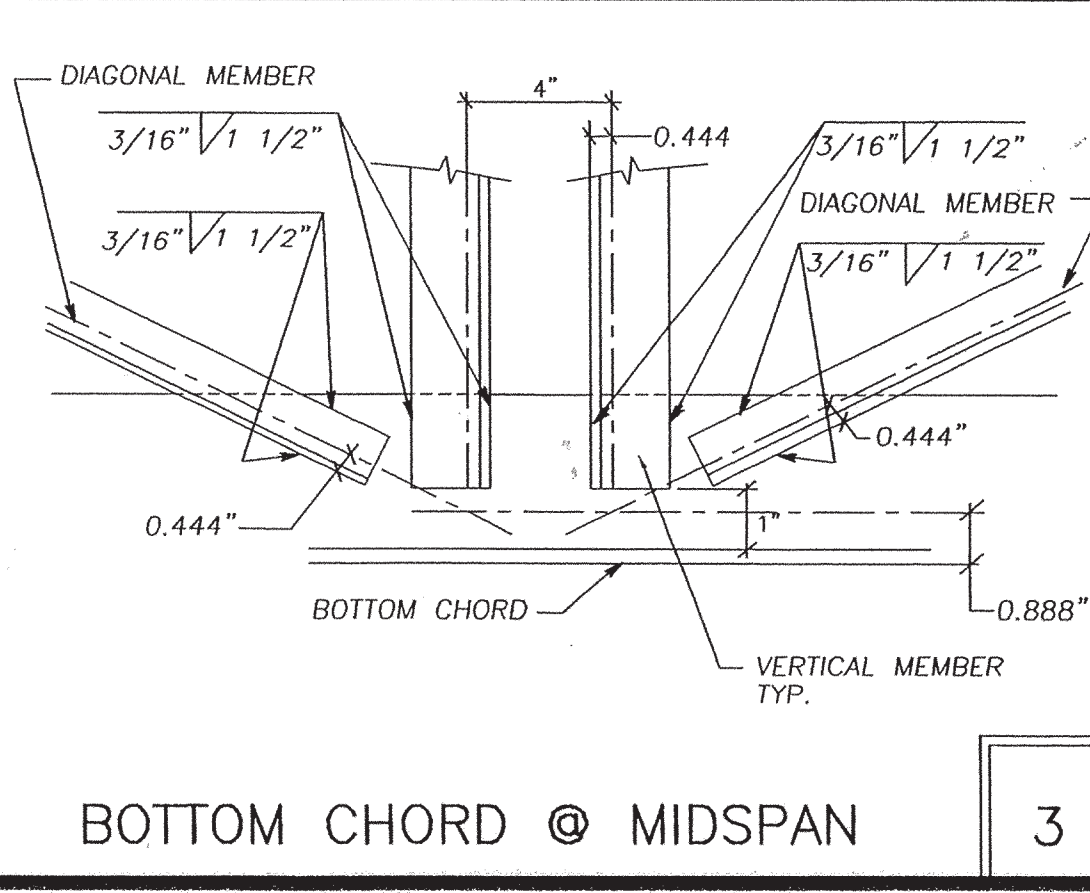
15 POST CONN. TO TRUSS (TOP) 9



6 POST CONN. TO TRUSS (TOP) 6



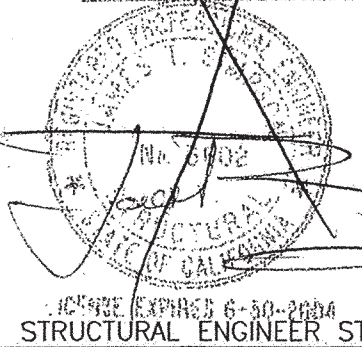
3 BOTTOM CHORD @ MIDSPAN 3



3 BOTTOM CHORD @ MIDSPAN 3

ARCHITECT STAMP

DATE SIGNED  
 MAY 21 2003



IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 04 105453  
 AC FLS SS  
 DATE: JUL 17 2003

STATE AGENCY STAMP

pc  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 4-104778  
 AC FLS SS  
 DATE: 5-30-03

STATE AGENCY STAMP

PROJECT: MODULAR CLASSROOM BUILDING  
 TITLE & BLDG. DATA:  
 DUAL SLOPE TRUSS & DETAILS  
 WIND LOAD: 80 MPH  
 ROOF LOAD: 20 PSF  
 FLOOR LOAD: 50, 50+20, 100 & 125 PSF

JOB #  
 DATE 12/1/02  
 DRAWN BY JAG  
 SCALE AS NOTED  
 APPROVED  
 REVISIONS  
 SHEET NO. S-60

**MSI**  
 MODULAR STRUCTURES INTERNATIONAL, INC.  
 920 CITRUS AVE. RIVERSIDE, CALIFORNIA 92507  
 PHONE: (909) 788-3035 FAX: (909) 788-1533

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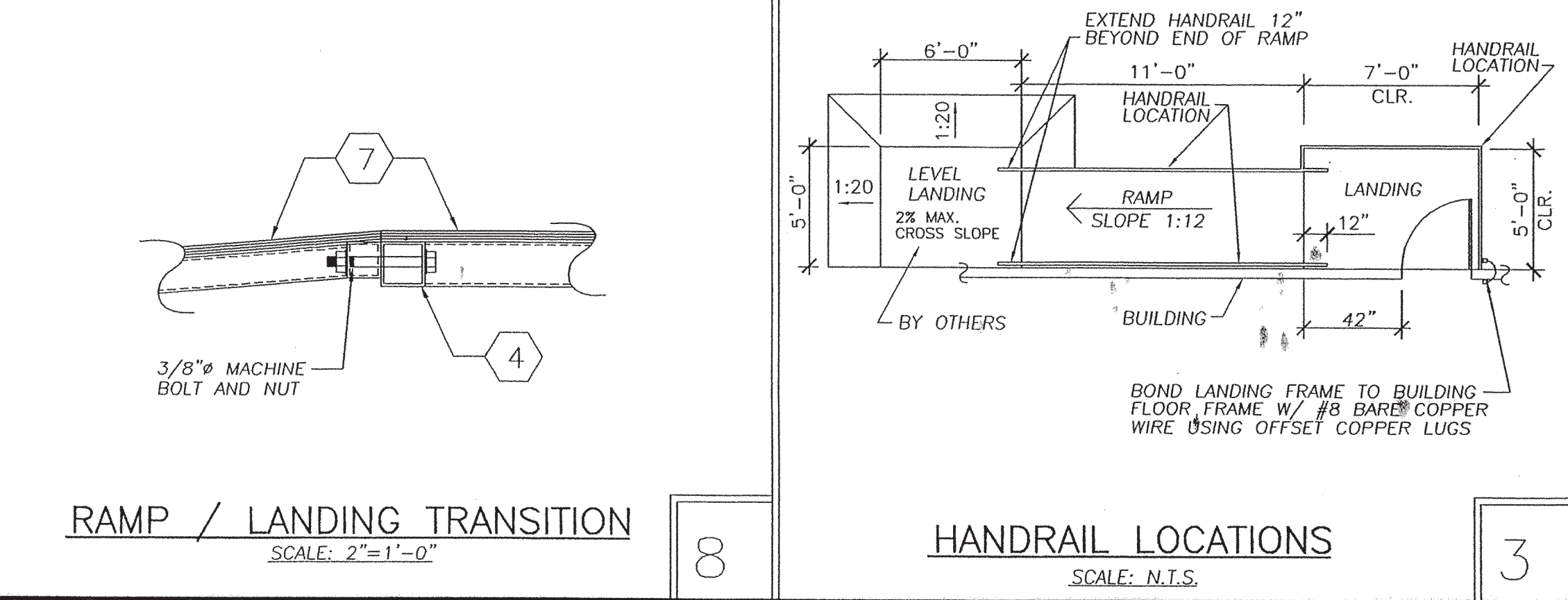
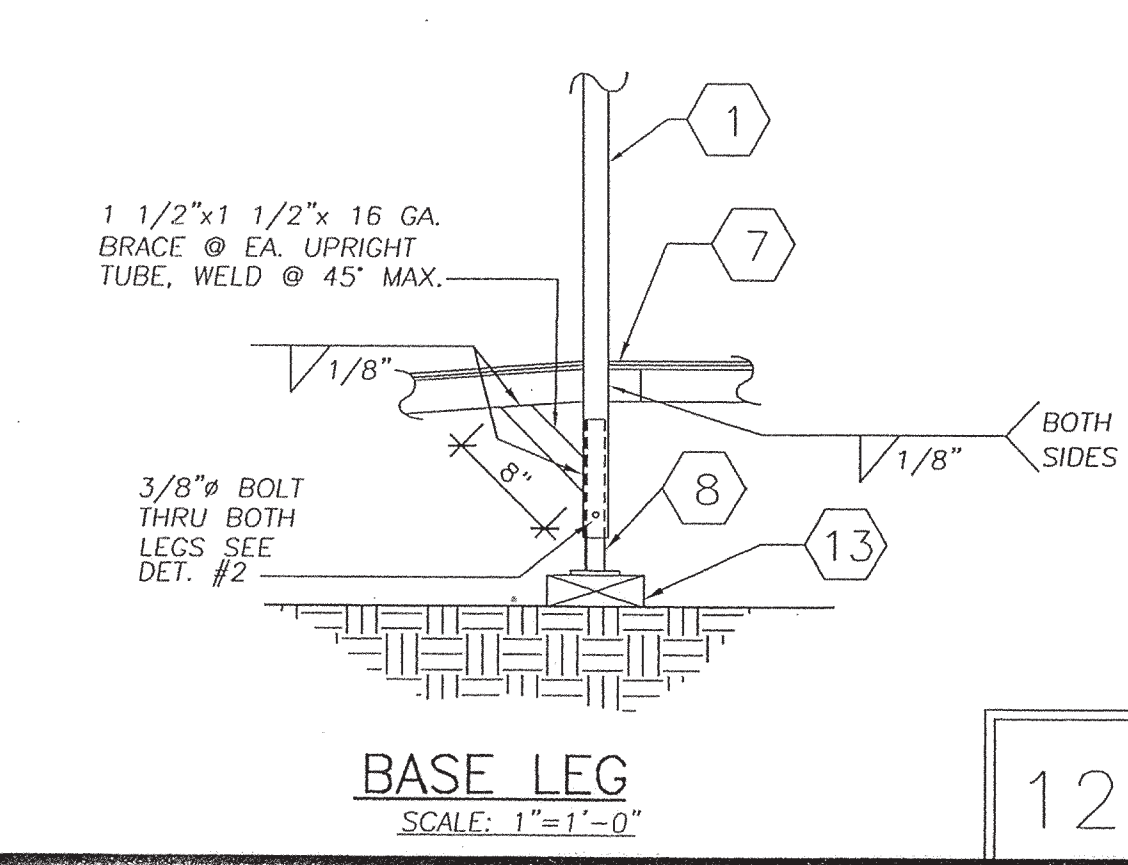
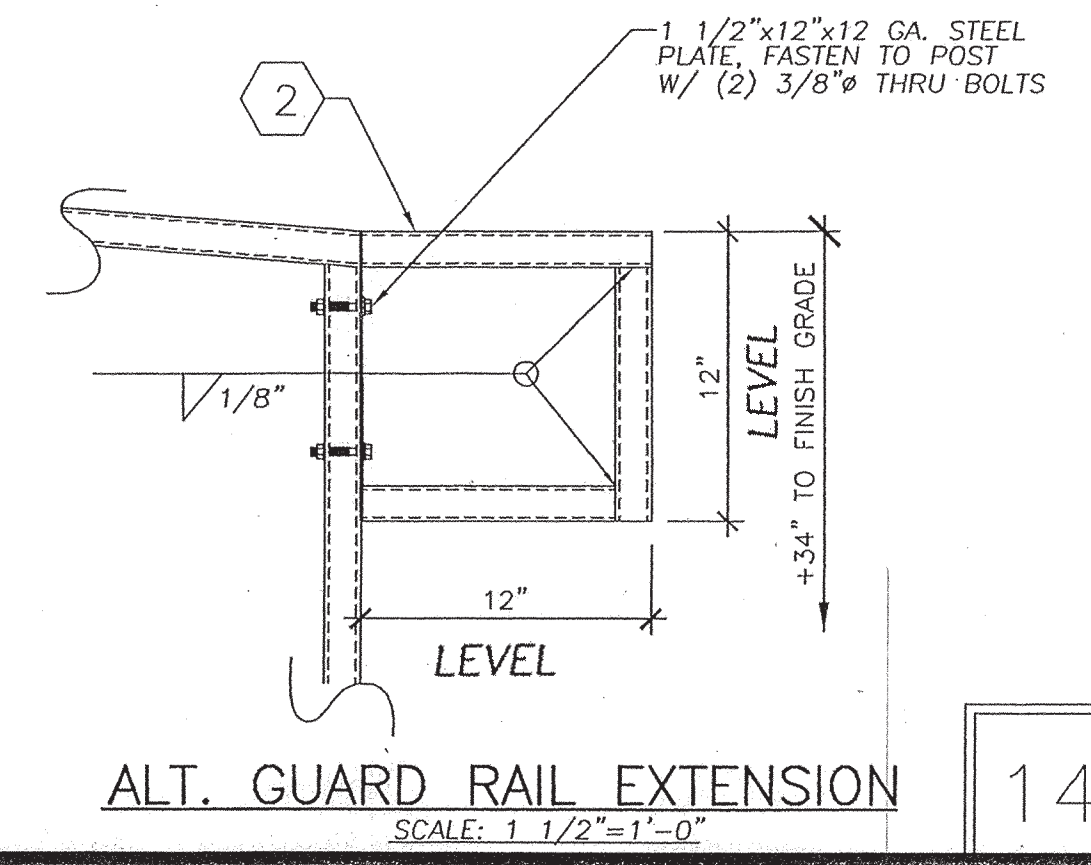
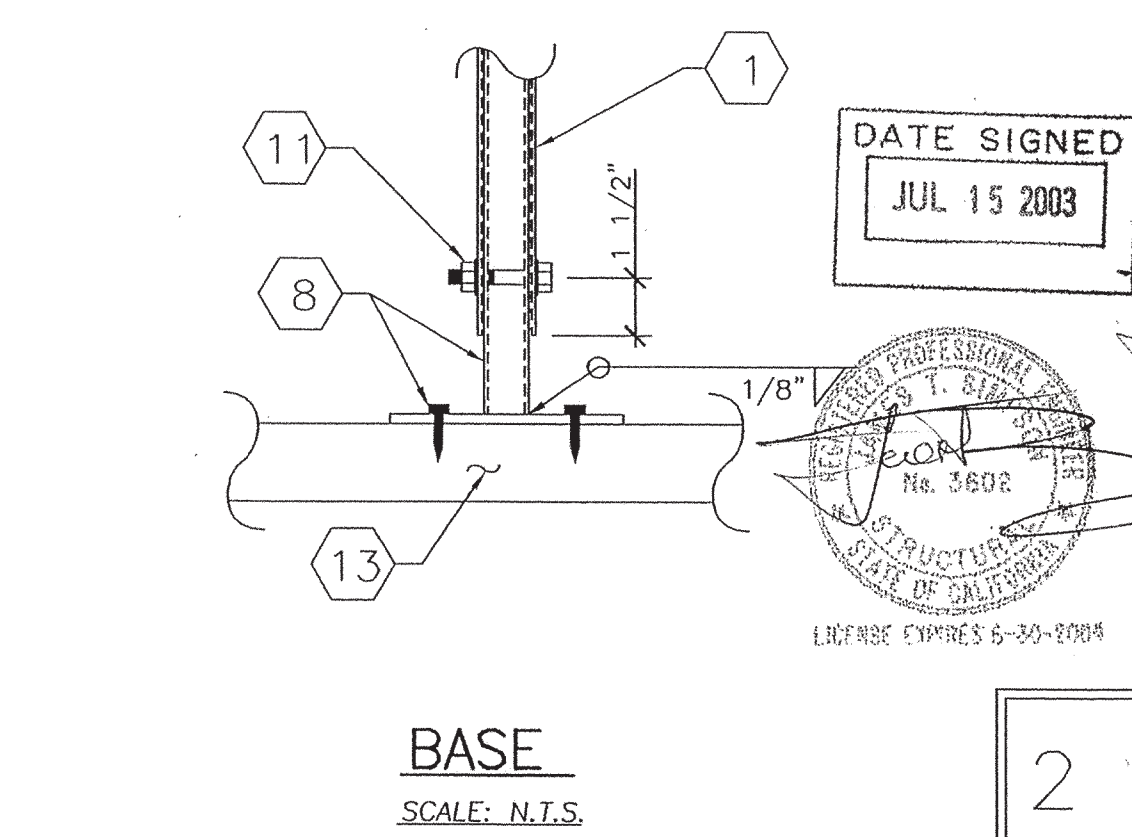
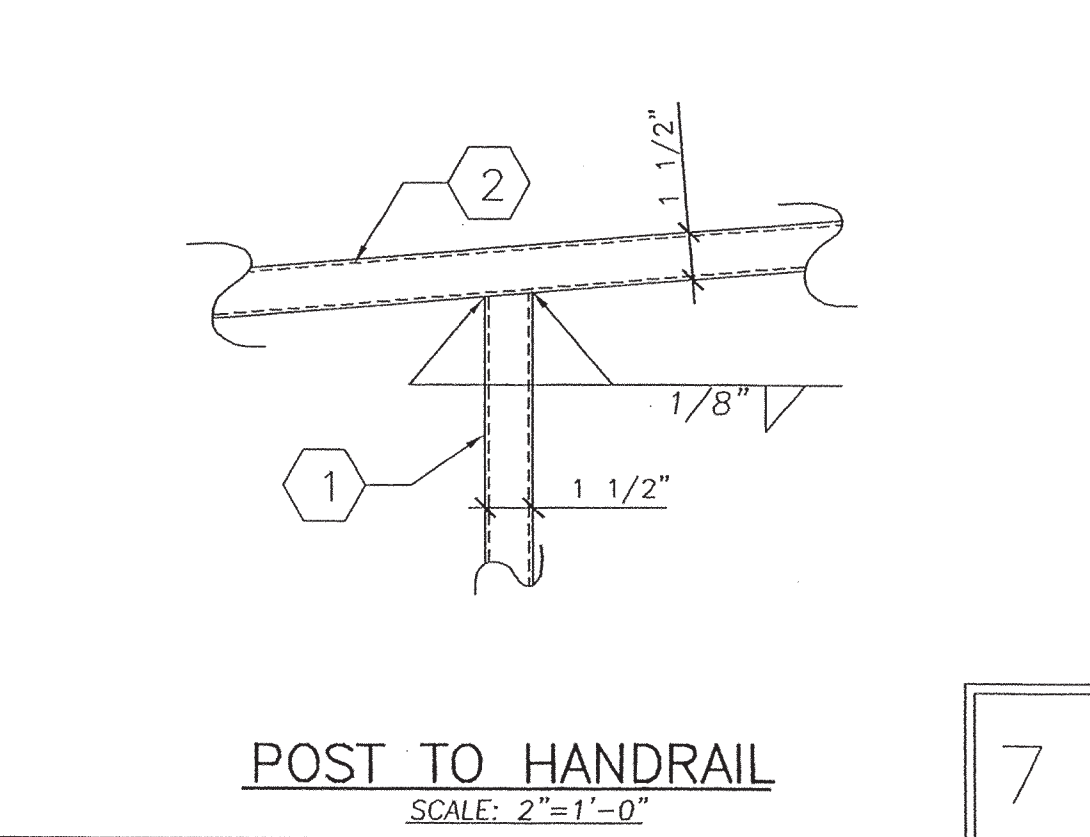
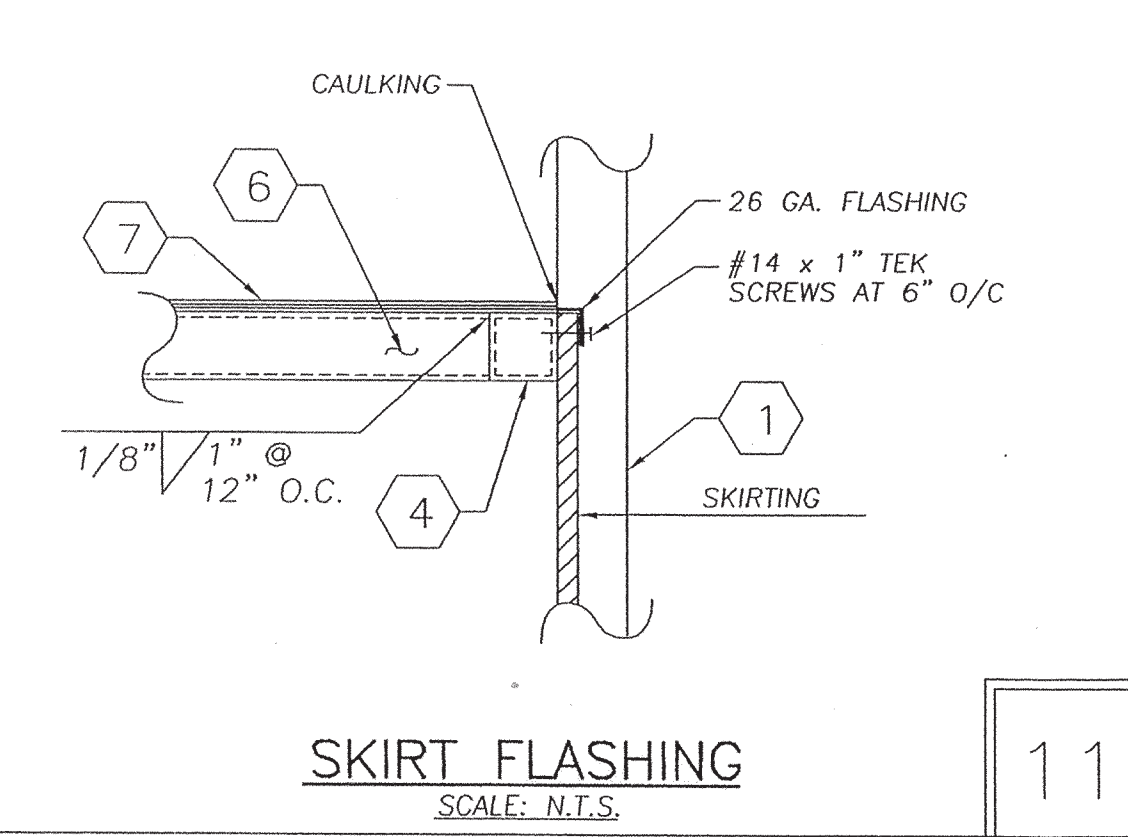
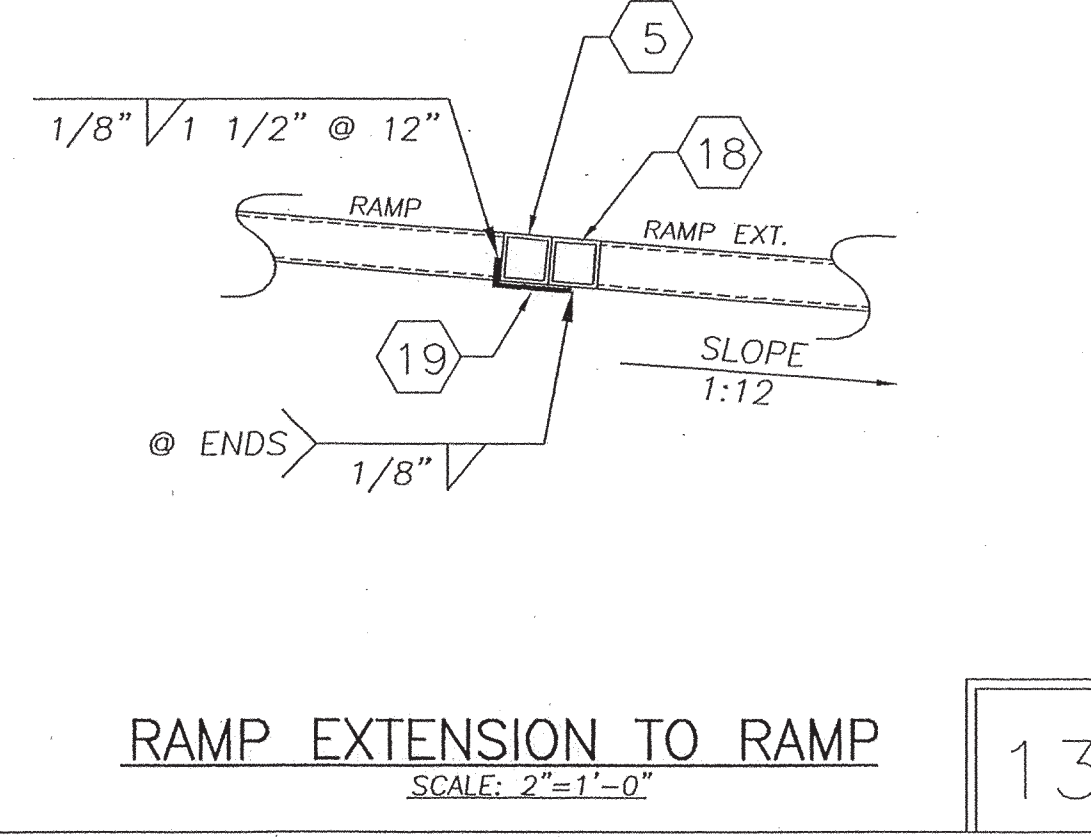
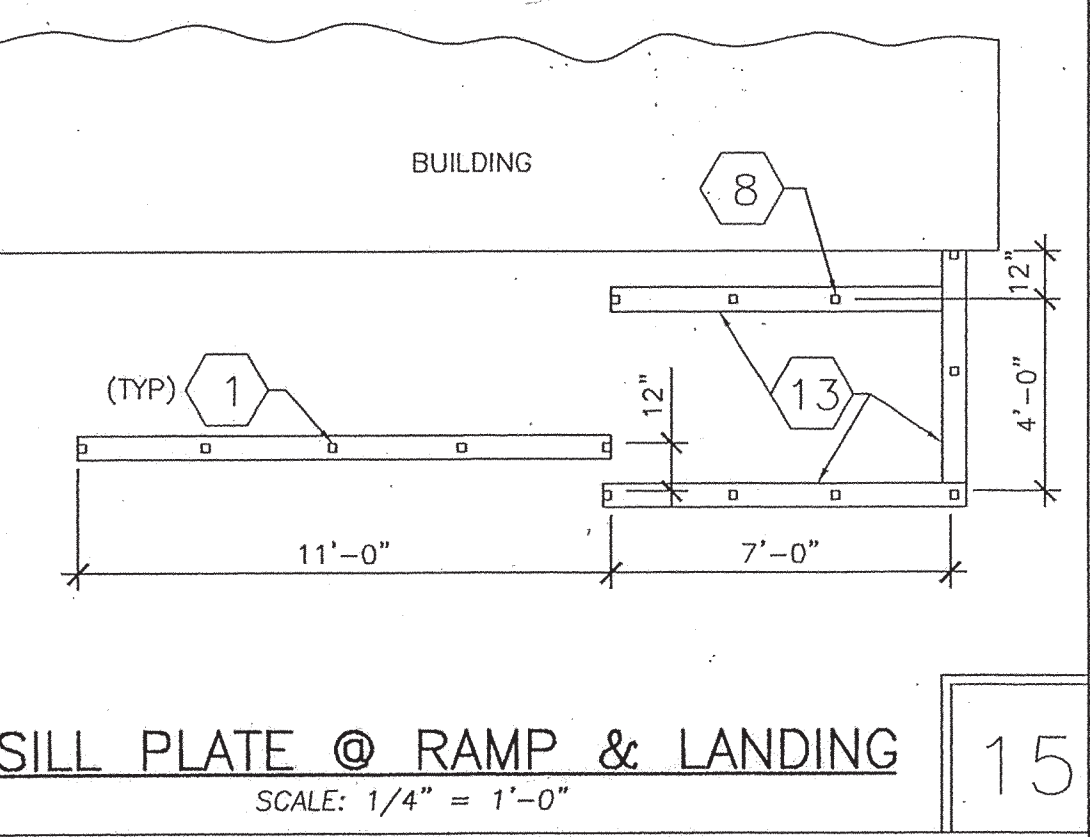
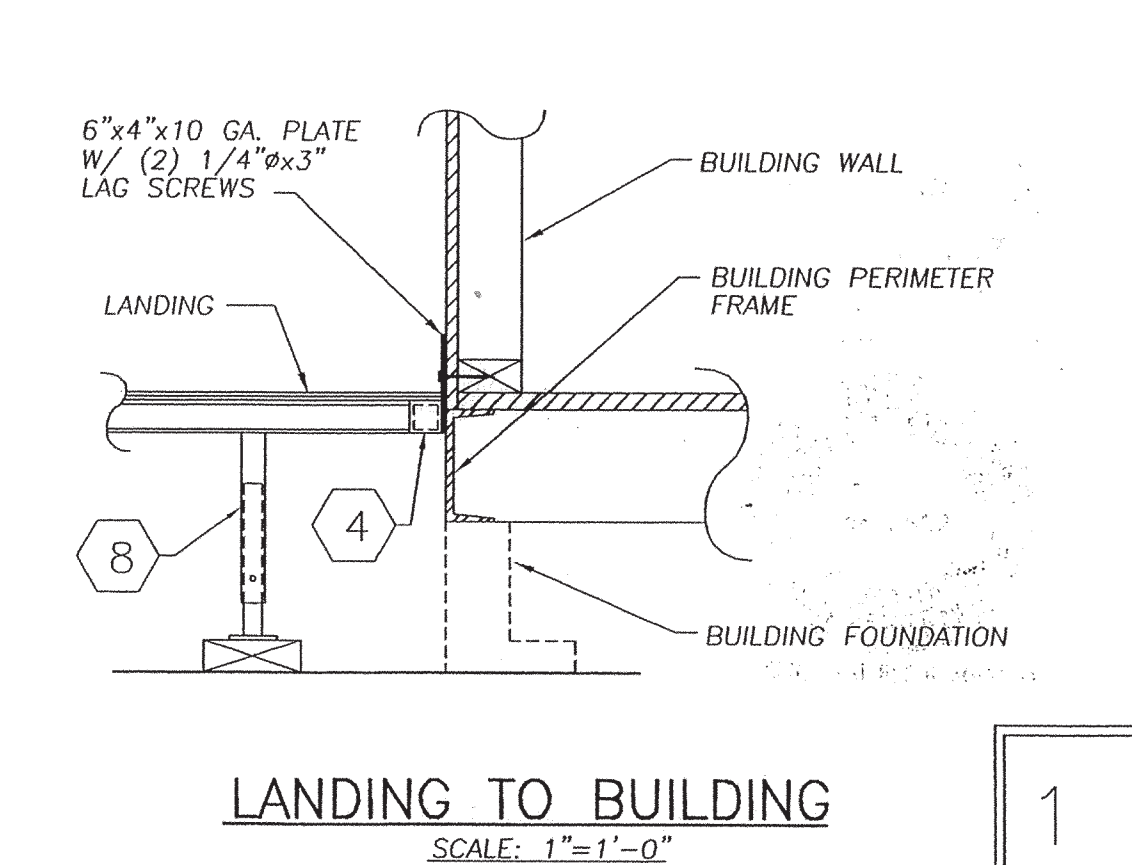
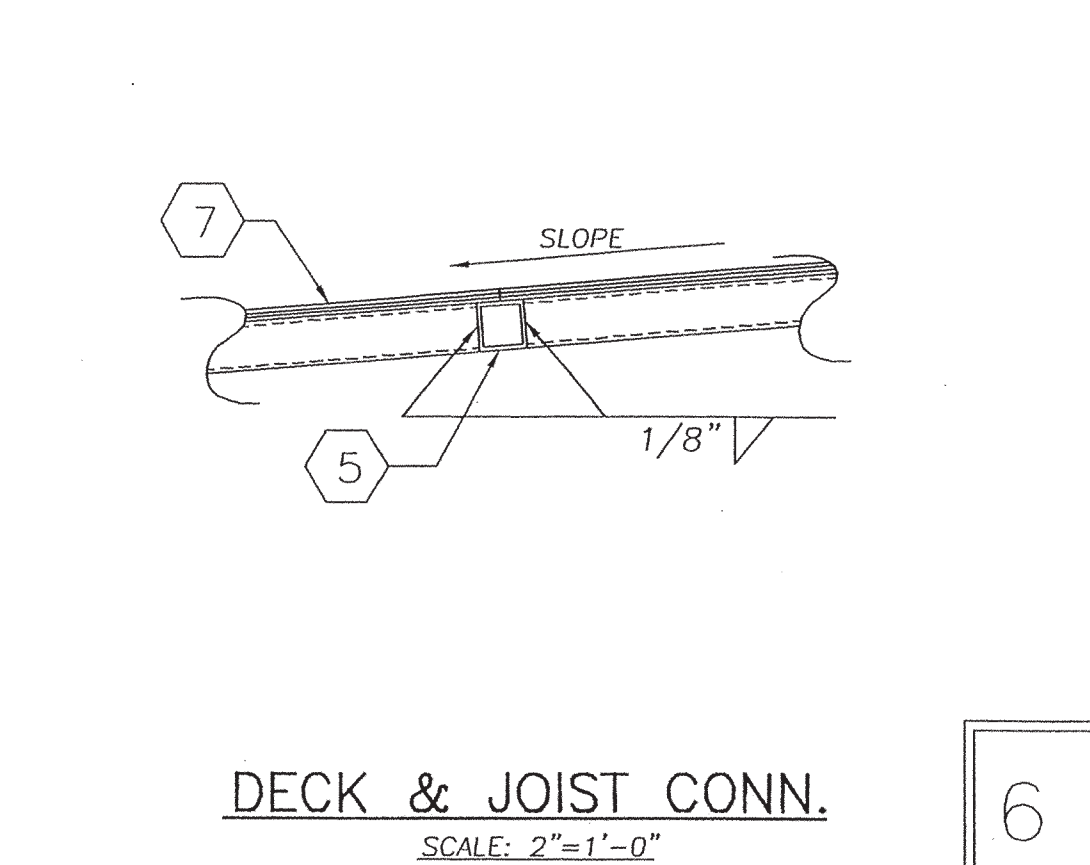
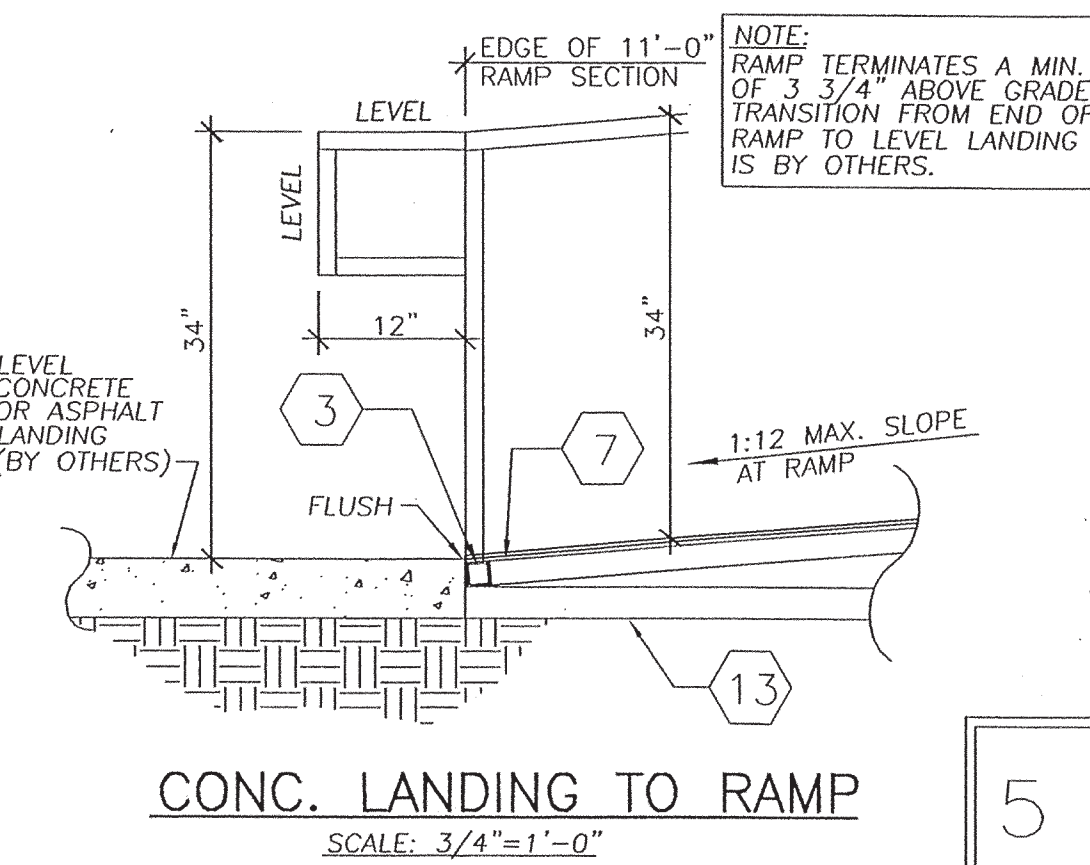
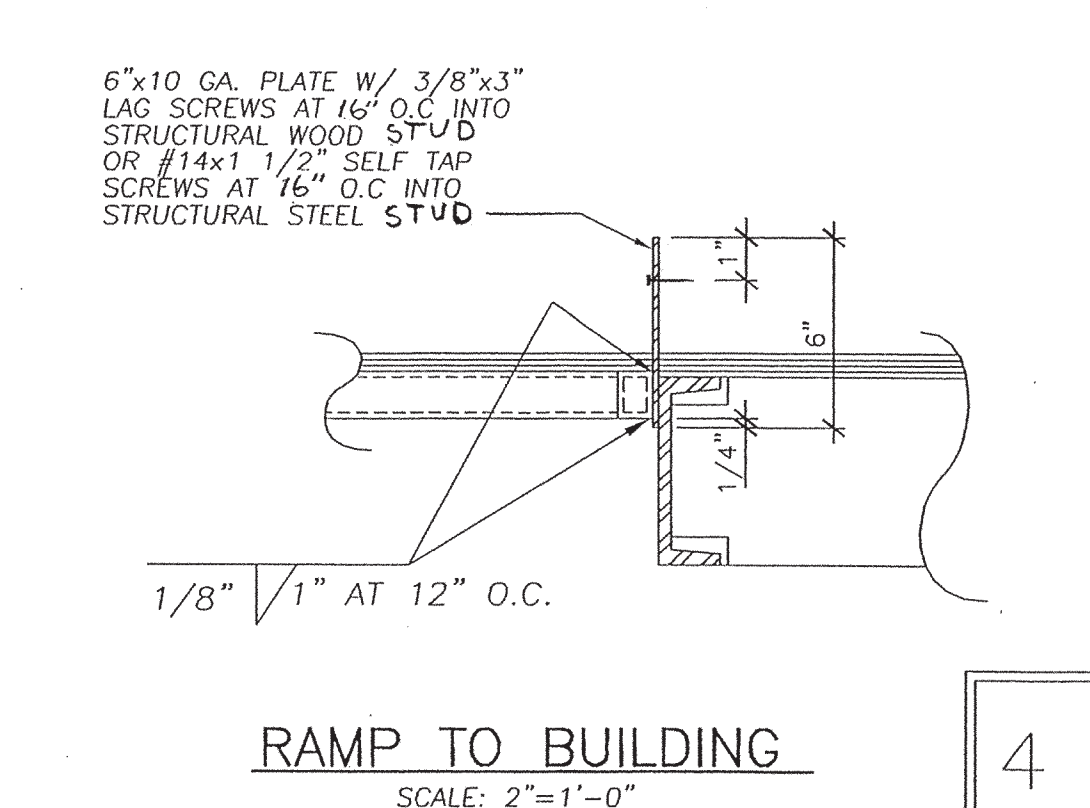
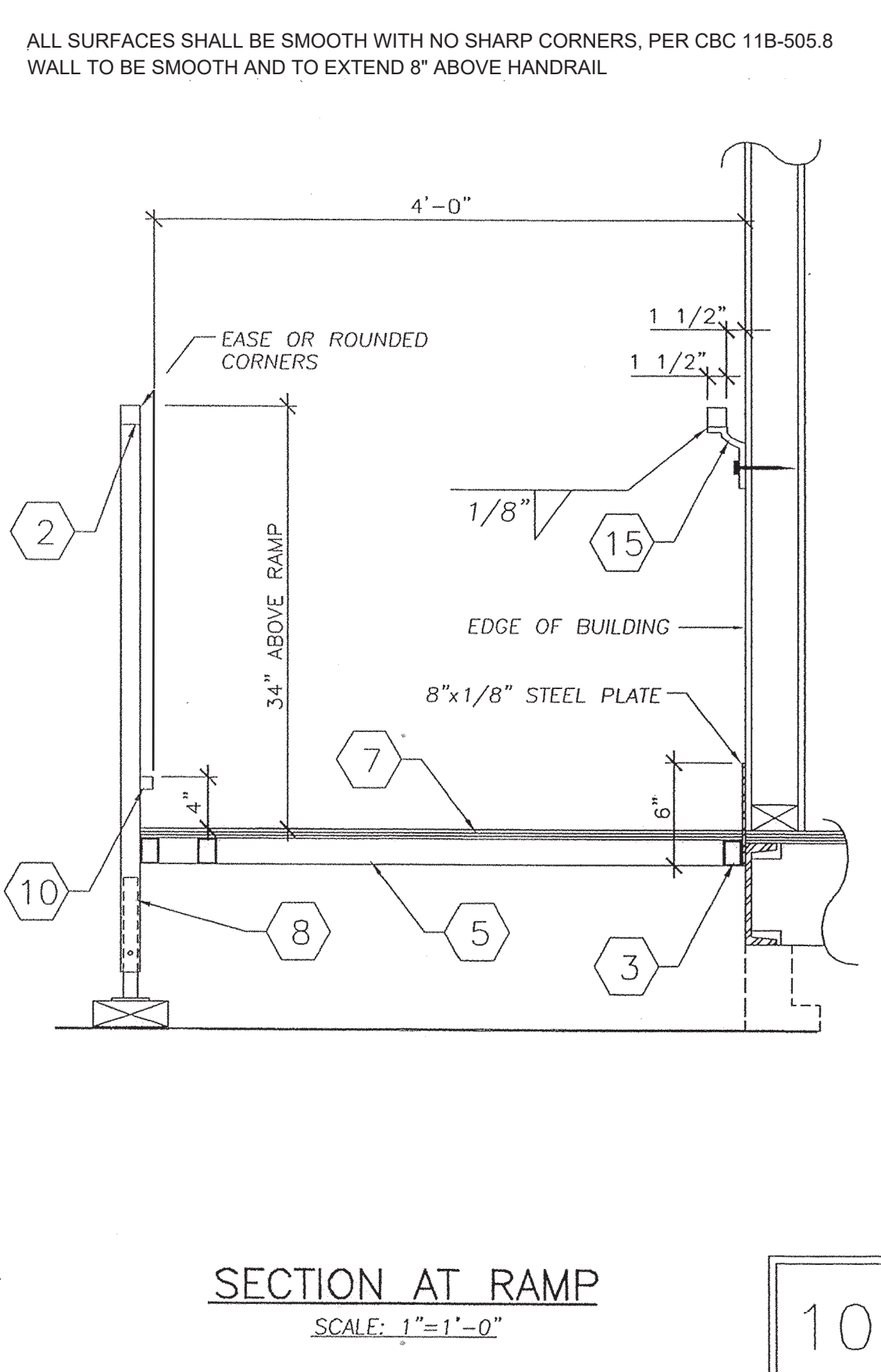
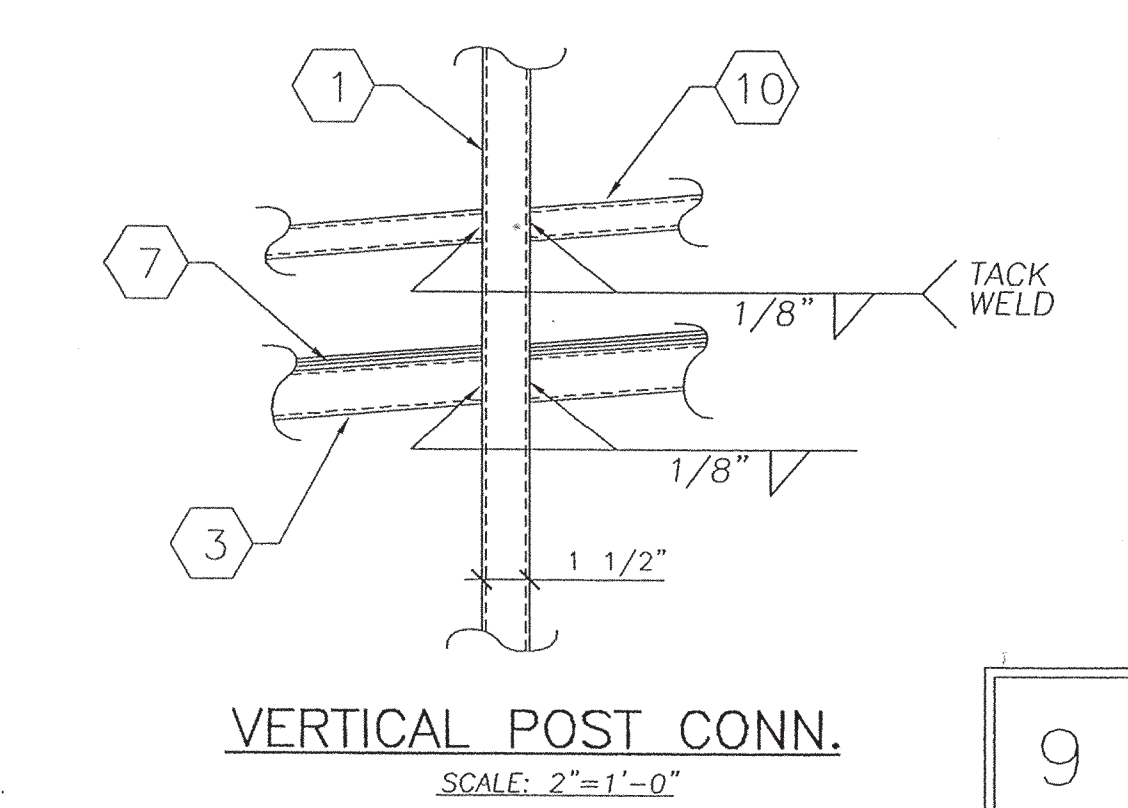
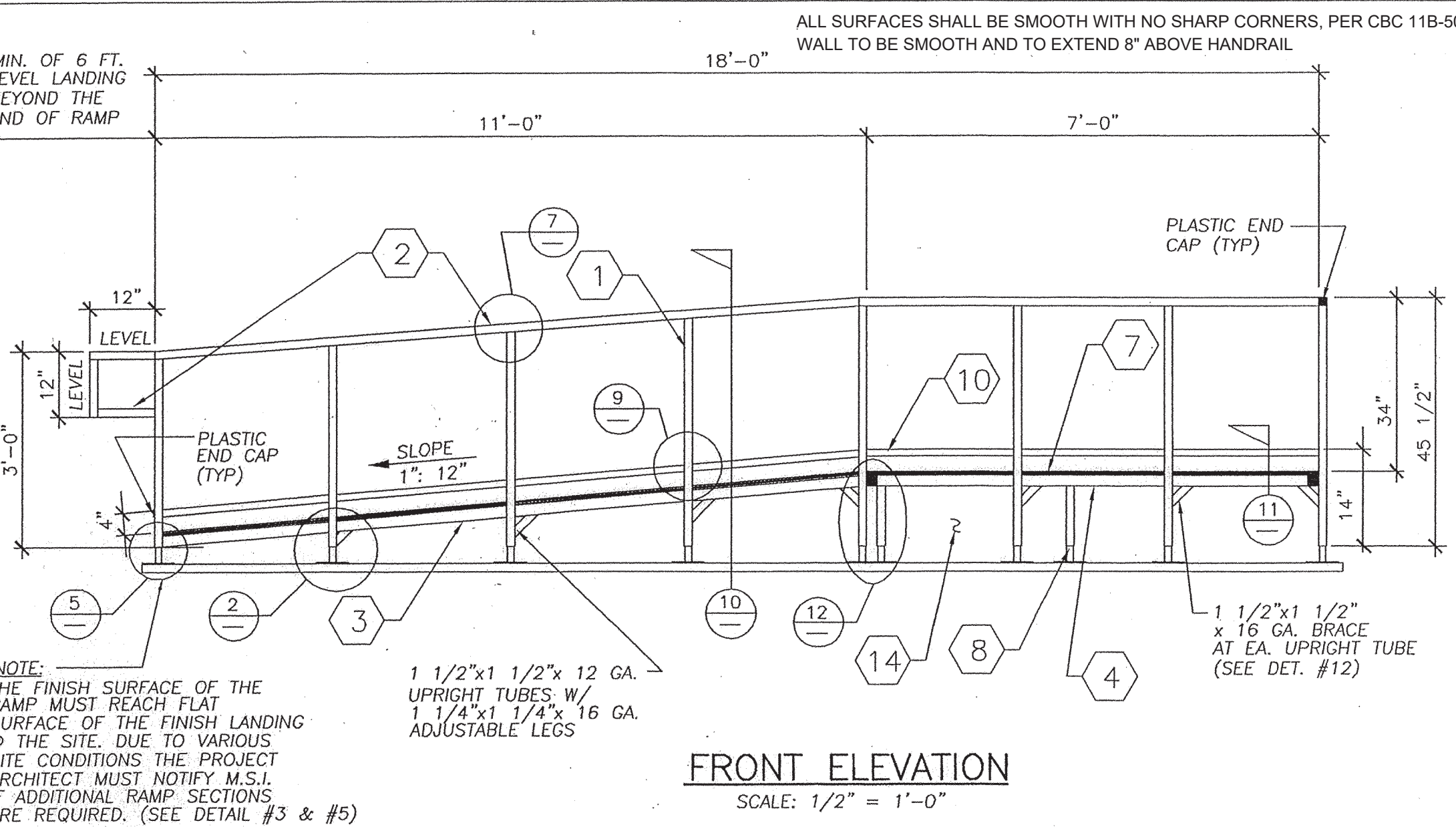
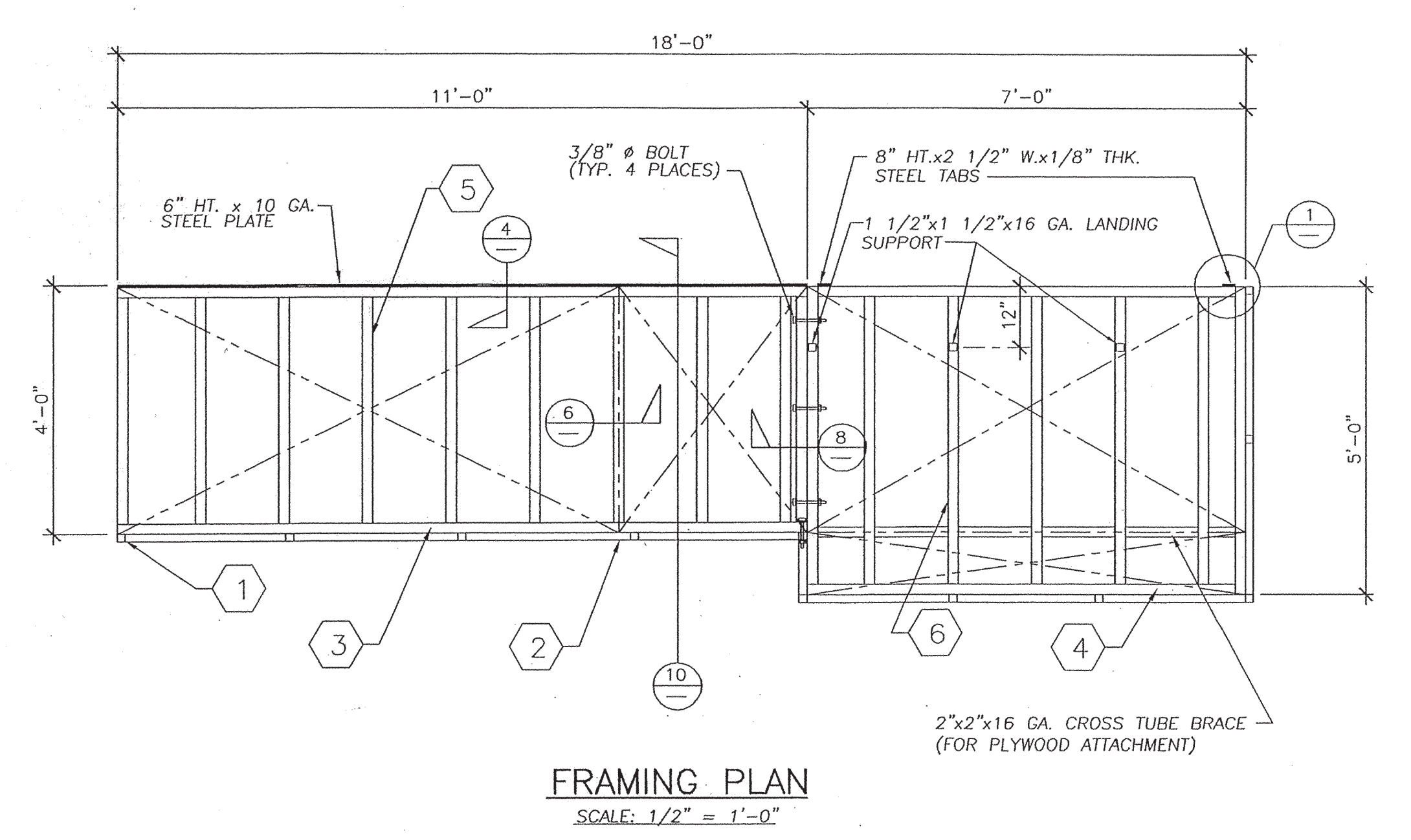
PROJECT: MODULAR CLASSROOM BUILDING  
 TITLE & BLDG. DATA: 4'-0" WIDE RAMP PLAN & DETAILS  
 WIND LOAD: 80 & 90 MPH  
 ROOF LOAD: 20 & 30 PSF  
 FLOOR LOAD: 100 PSF

DATE 12-1-02  
 DRAWN BY JAG  
 SCALE AS NOTED  
 APPROVED  
 REVISIONS  
 STATE AGENCY STAMP  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 4-104778  
 AC FLS SS KB  
 DATE 5-30-03  
 SHEET NO. R-1

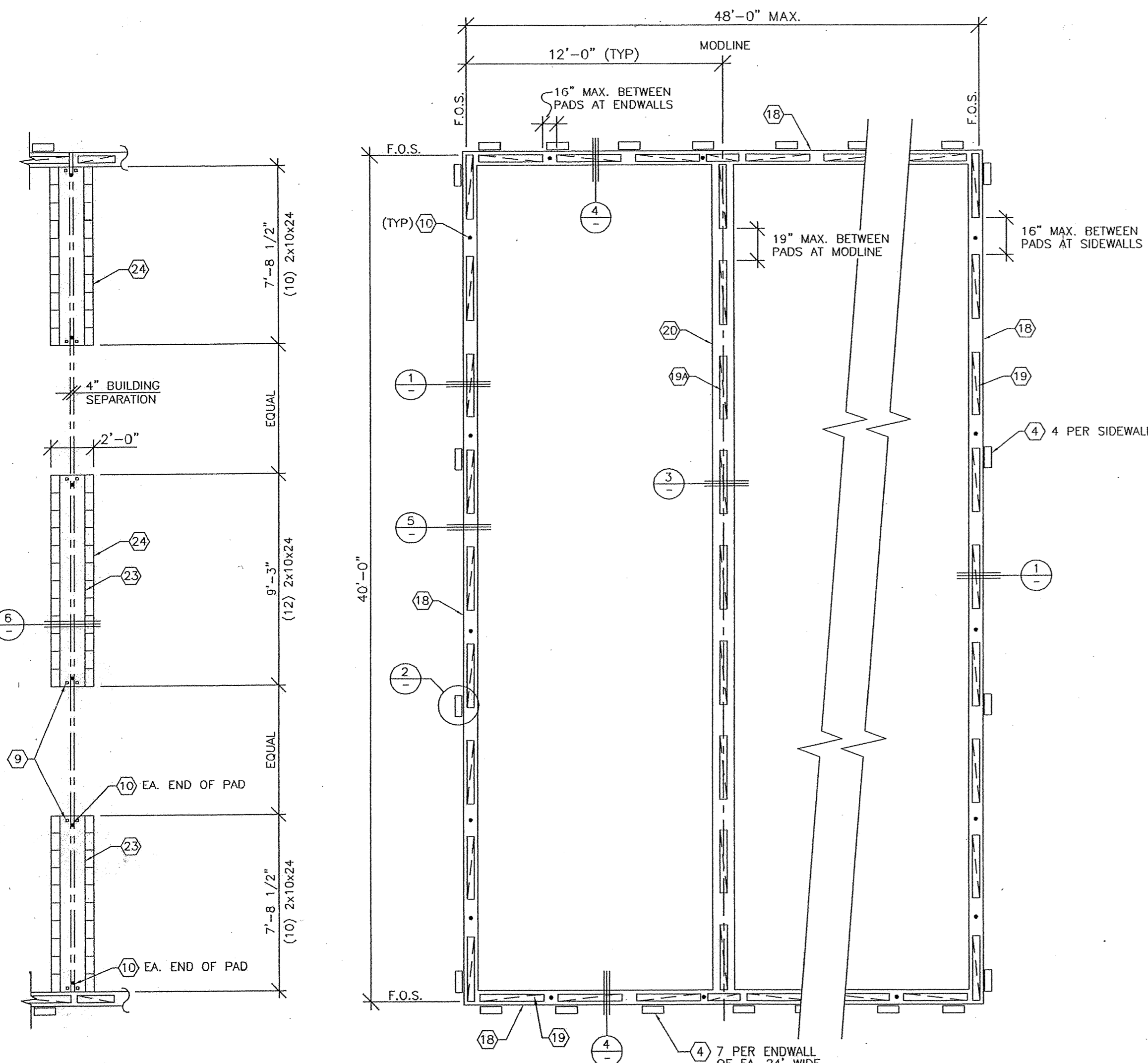
RECEIVED  
 JUL 24 2003  
 WESTERN DIVISION

**KEY NOTES**

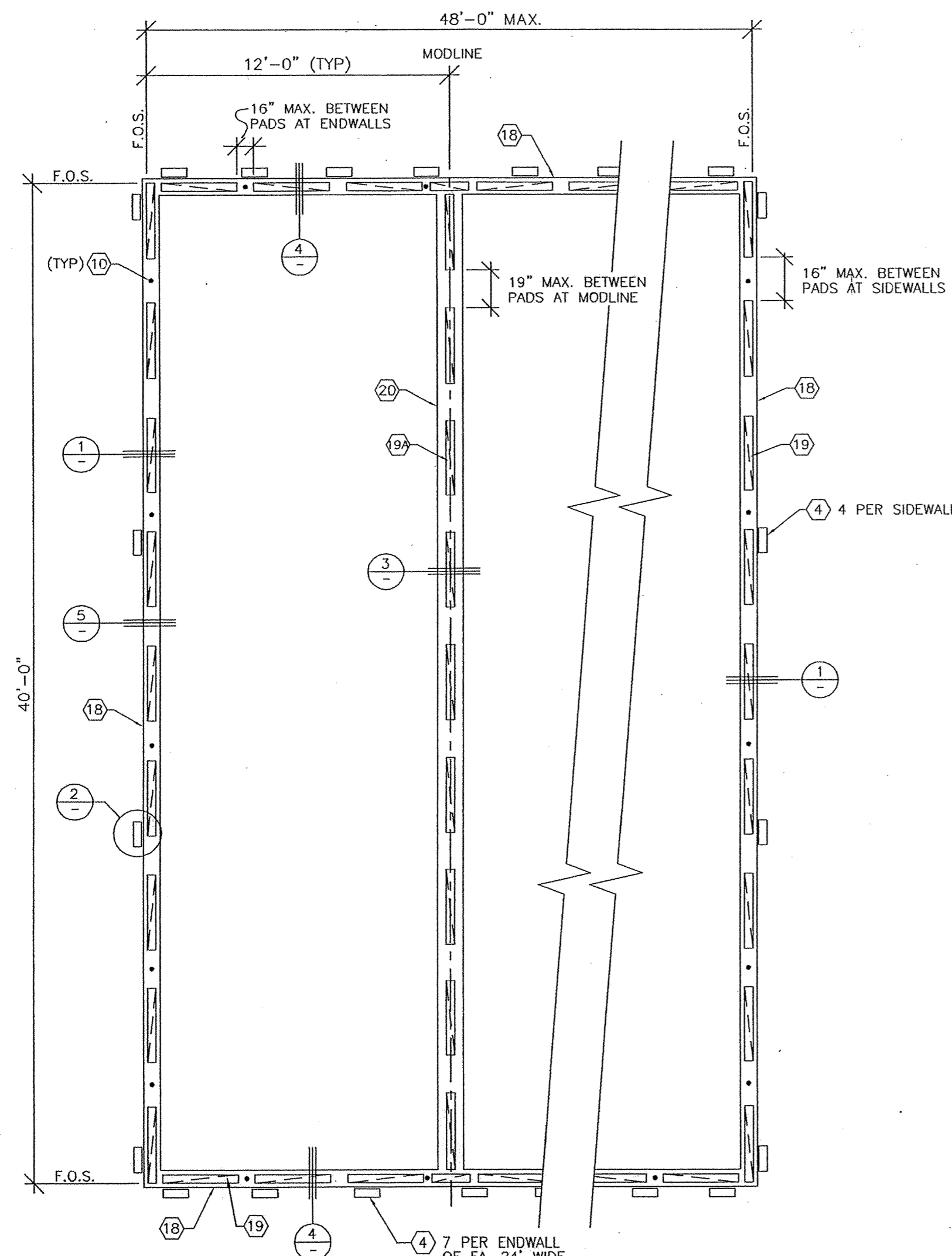
1. UPRIGHT TUBE - 1 1/2" x 2 1/2" x 12 GA. SQ. TUBE. (Fy = 39 KSI)
2. HANDRAIL TUBE - 1 1/2" x 1 1/2" x 16 GA. SQ. TUBE. (Fy = 39 KSI)
3. RAMP PERIMETER TUBE - 1 1/2" x 1 1/2" x 16 GA. SQ. TUBE
4. LANDING PERIMETER TUBE - 2" x 2" x 16 GA. SQ. TUBE
5. RAMP CROSS TUBE - 1 1/2" x 1 1/2" x 16 GA. SQ. TUBE (Ø 16" O.C.)
6. LANDING CROSS TUBE - 2" x 2" x 16 GA. SQ. TUBE
7. 12 GA. METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 0.7. MAINTAINABLE FOR 1 YR. ALTERNATE PLYWOOD DECKING: USE 3/4" EXTERIOR GRADE PLYWOOD DECKING W/ 24" O.C. SPAN RATING. (ATTACH METAL W/ TACK WELD @ 12" O.C. @ PERIMETER, ATTACH PLYWOOD DECK W/ #12 SELF TAP SCREWS @ 12" O.C. @ PERIMETER.
8. ADJUSTABLE LEGS - 1 1/4" x 1 1/4" 16 GA. SQ. TUBE W/ 3/8" x 1/4" THK. BASE PLATE WELDED TO LEG BASE PLATE TO HAVE (2) 5/16" HOLES FOR 1/4" LAG BOLTS.
9. SUPPORT PLATE - 1 1/4" x 1/8" THICK PLATE
10. WHEELCHAIR RAIL - 1" x 1" SQ. TUBE TACK WELDED TO UPRIGHT MEMBERS.
11. 3/8" DIA. MACHINE BOLTS.
12. 6"x10"x10GA. PLATE W/ (2) 1/4"x3" LAG SCREWS.
13. CONT. SILL PLATE 2x6 P.T.H.F. SEE DET. #15 FOR LAYOUT.
14. WOOD SKIRTING ROUGH SAWN T-1-11 UNGROOVED
15. HANDRAIL MOUNTING BRACKET W/ 3/8" x 4" LAG BOLT TO STUD. BRACKET OCCURS @ (3) PLACES, (1) @ EACH END AND (1) @ MIDSPAN OF HANDRAIL.
16. DRIVE 1" DIA. x 15" C.I. PIPE AT 10'-0" MAX. DRILL SILL PLATE 1 1/2" DIA. MAX. HOLE. PIPE MAY BE DRIVEN AT A MAX. OF 45° ANGLE W/ VERTICAL.
17. THE STRENGTH OF STEEL TUBES IS 46000 PSI OR HIGHER.
18. RAMP EXTENSION FRAME.
19. 3"x1'x3'-0"x10 GA. BENT PLATE.



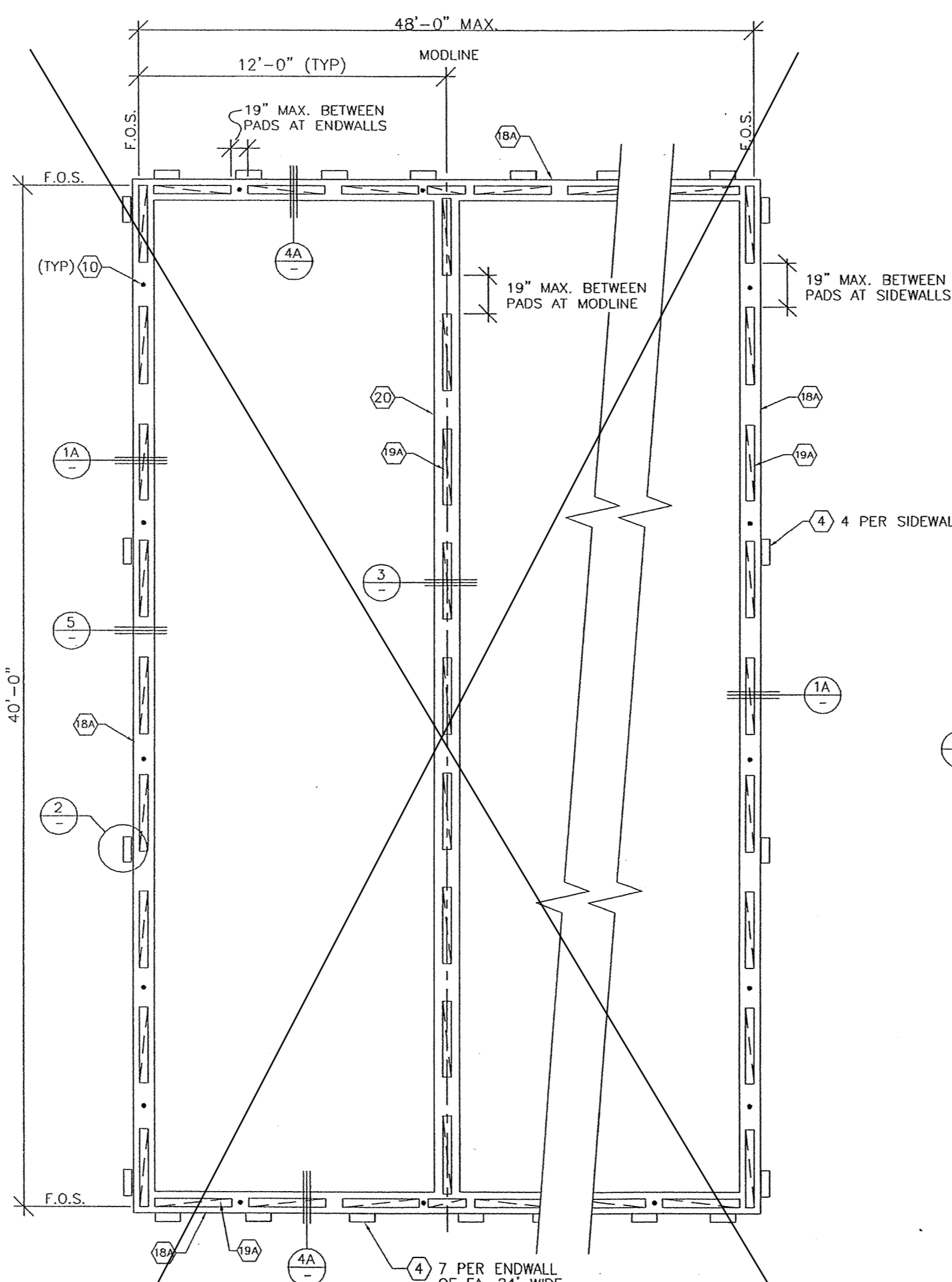




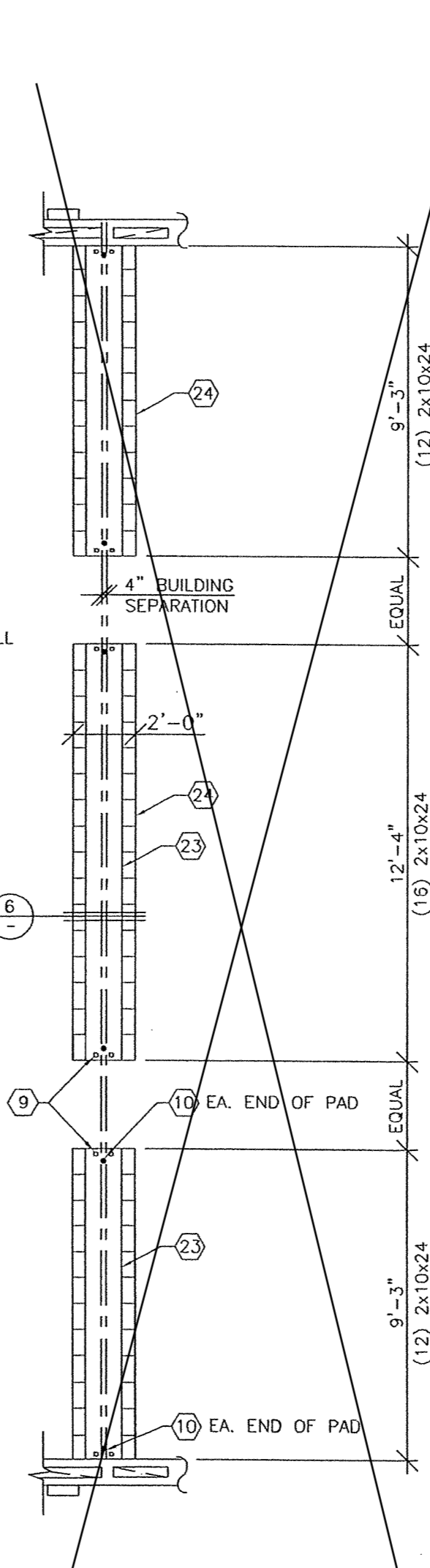
**FOUNDATION PLAN W/  
ADJACENT BUILDING**  
50 PSF FLOOR LIVE LOAD  
20 PSF ROOF LOAD



**MULTI-WIDE FOUNDATION PLAN (N.T.S.)**  
50 P.S.F. FLOOR LIVE LOAD  
20 PSF ROOF LOAD



**MULTI-WIDE FOUNDATION PLAN (N.T.S.)**  
50 P.S.F. FLOOR LIVE LOAD  
30 PSF ROOF LOAD



**FOUNDATION PLAN W/  
ADJACENT BUILDING**  
50 PSF FLOOR LIVE LOAD  
30 PSF ROOF LOAD

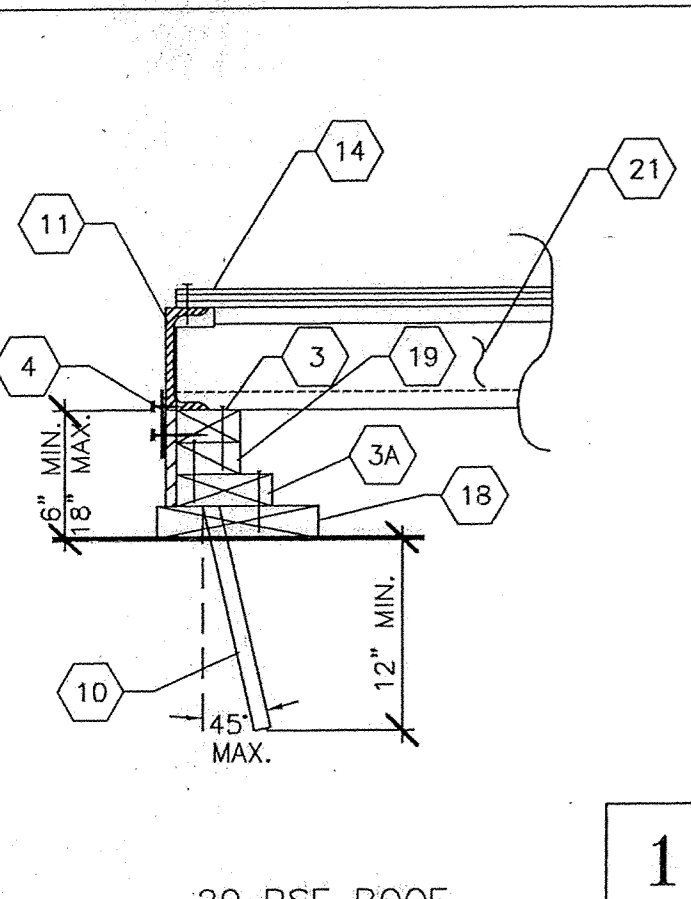
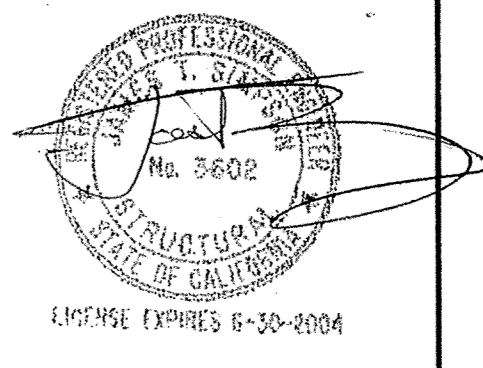
**KEYNOTES**

- MAXIMUM SOIL BEARING PRESSURE - 1000 PSF.
- ALL FOUNDATION LUMBER SHALL BE H.F. #2  
ALL LUMBER IN CONTACT WITH GRADE SHALL BE STAMPED "FOR GROUND CONTACT"  
ALL FOUNDATION NAILS SHALL BE CORROSION RESISTANT PER U.B.C. 2304A.3
- 2x4 CONTINUOUS. INTERNAL TO EACH PAD WITH 16d BOX NAILS @ 5" O.C. STAGGERED.
- 2x6 CONTINUOUS. INTERNAL TO EACH PAD WITH 16d BOX NAILS @ 5" O.C. STAGGERED.
- THE PLATE - 12"x6"x10 Gg. PLATE W/ (8) 5/16" HOLES AS SHOWN FOR (4) 1/4"x 3/4" LONG SELF TAP SCREWS INTO CHANNEL & (4) 1/4"x 3" LAG BOLTS INTO 2x MEMBER, (TYP).
- 5/8" PLYWOOD PERIMETER SKIRTING. NAIL TO FOUNDATION PADS WITH 8d BOX NAILS @ 12" O.C. TOP AND BOTTOM.
- NOT USED.
- TAPERED SHIMS - NAIL TO FOUNDATION PADS WITH 16d BOX NAILS @ 12" O.C. NAIL 2x12 FOUNDATION PLATE TO TAPERED SHIMS WITH 16d BOX NAILS @ 12" O.C. STAGGERED ALONG EACH TAPERED SHIM. (PER SLOPE OF GROUND AT SITE)
- PLYWOOD OR WOOD SHIM - MIN. 8" LONG, MAX. 16" BETWEEN SHIMS. NAIL TO PLATES WITH MIN. (3) 16d BOX NAILS PER SHIM MAX. 1-1/2" SHIM HEIGHT AT ANY LOCATION.
- 1 1/16" HOLE IN FLOOR JOIST FOR 5/8" x 4" LAG BOLT. (SEE SCHEDULE FOR AMOUNT)
- DRIVE 1" DIA. x 15" G.I. PIPE @ 10'-0" O.C. MAX. DRILL SILL PLATE 1-1/4" MAX. PIPE MAY BE DRIVEN AT MAX. 45 ANGLE TO VERTICAL.
- 7"x9.8# STEEL FLOOR CHANNEL.
- NOT USED.
- 5/8" MACHINE BOLT @ 10'-0" O.C. FOR MODULE CONNECTION.
- PLYWOOD FLOOR DECK W/ 0.145" EN @ 6" O.C.
- 15, 16, 17. NOT USED
- CONTINUOUS 2x8 P.T.H.F. SILL PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2x4 BLOCK LOCATION.
- CONTINUOUS 2x10 P.T.H.F. SILL PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2x6 BLOCK LOCATION
- 2x4x3'-0" LONG BLOCKS. NAIL BLOCKS TOGETHER WITH 16d BOX NAILS @ 4" O.C. AND (2) 16d NAILS AT EACH END
- 2x6x3'-0" LONG BLOCKS. NAIL BLOCKS TOGETHER WITH 16d BOX NAILS @ 4" O.C. AND (2) 16d NAILS AT EACH END
- CONTINUOUS 2x12 P.T.H.F. SILL PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2x6 BLOCK LOCATION.
- FLOOR JOIST OR BLOCK BETWEEN FLOOR JOIST.
- NOT USED
- CONTINUOUS 2x12x(SEE PLAN). NAIL (2) 16d AT EACH END AND 4" O.C.
- 2x10x24" LONG SILL PADS. P.T.H.F. (SEE PLAN FOR QUANTITY)
- CONTINUOUS 2x8 H.F. PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2x6 BLOCK LOCATIONS.

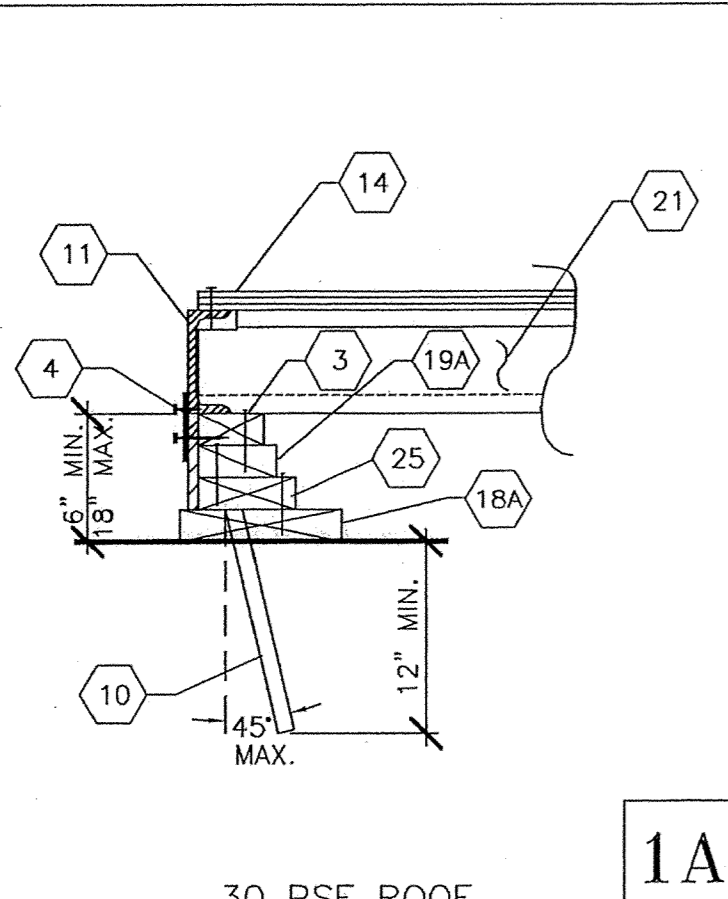
**LAG SCHEDULE**

BUILDING SIZE	FLOOR LOAD	LAG BOLTS AT EA. BUILDING
24'x40'	50 PSF	4
	50+20 PSF	4
	100 PSF	4
	125 PSF	6
36'x40'	50 PSF	6
	50+20 PSF	6
	100 PSF	6
	125 PSF	8
48'x40'	50 PSF	6
	50+20 PSF	6
	100 PSF	6
	125 PSF	10

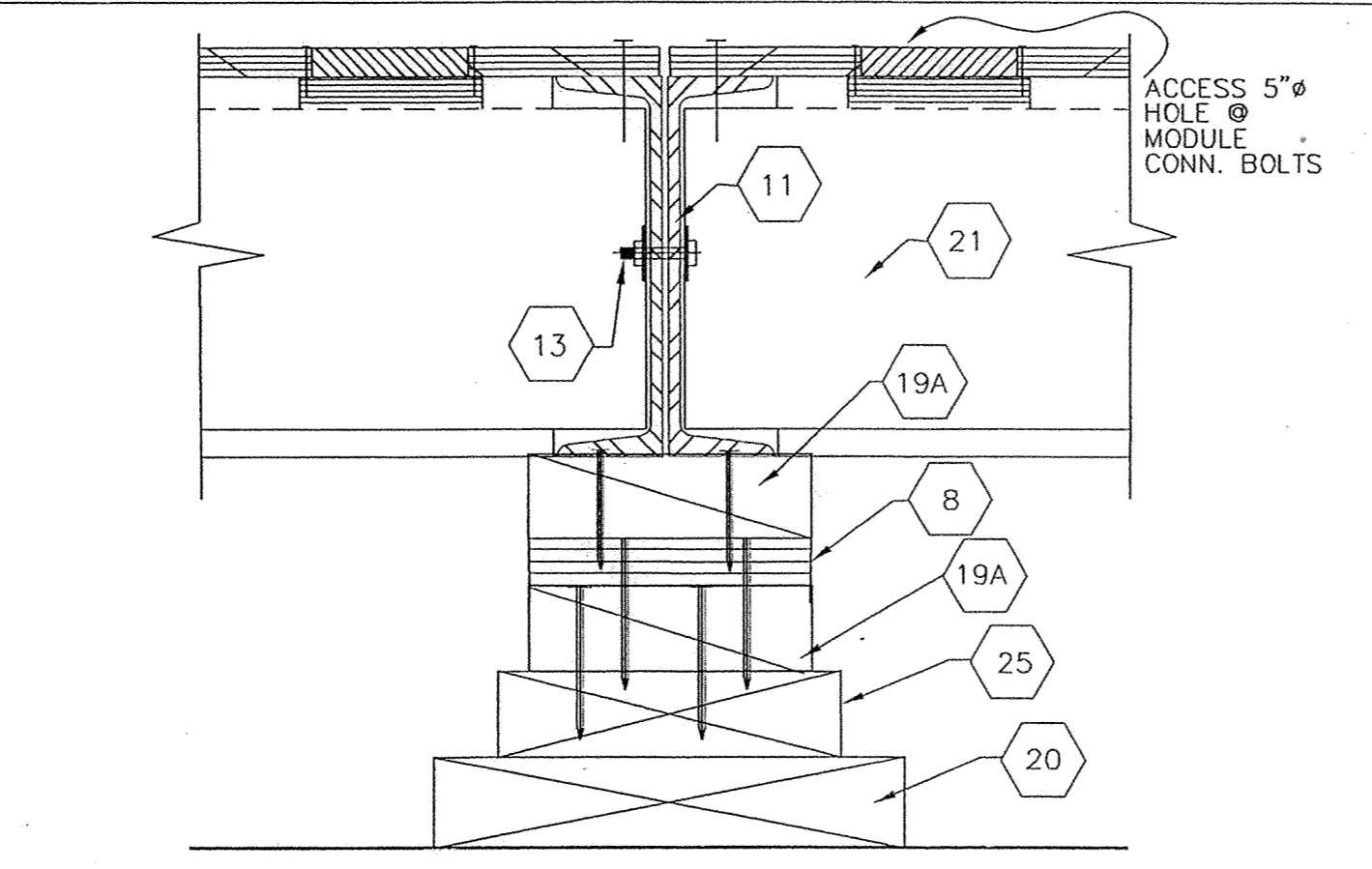
DATE SIGNED  
JUL 15 2003



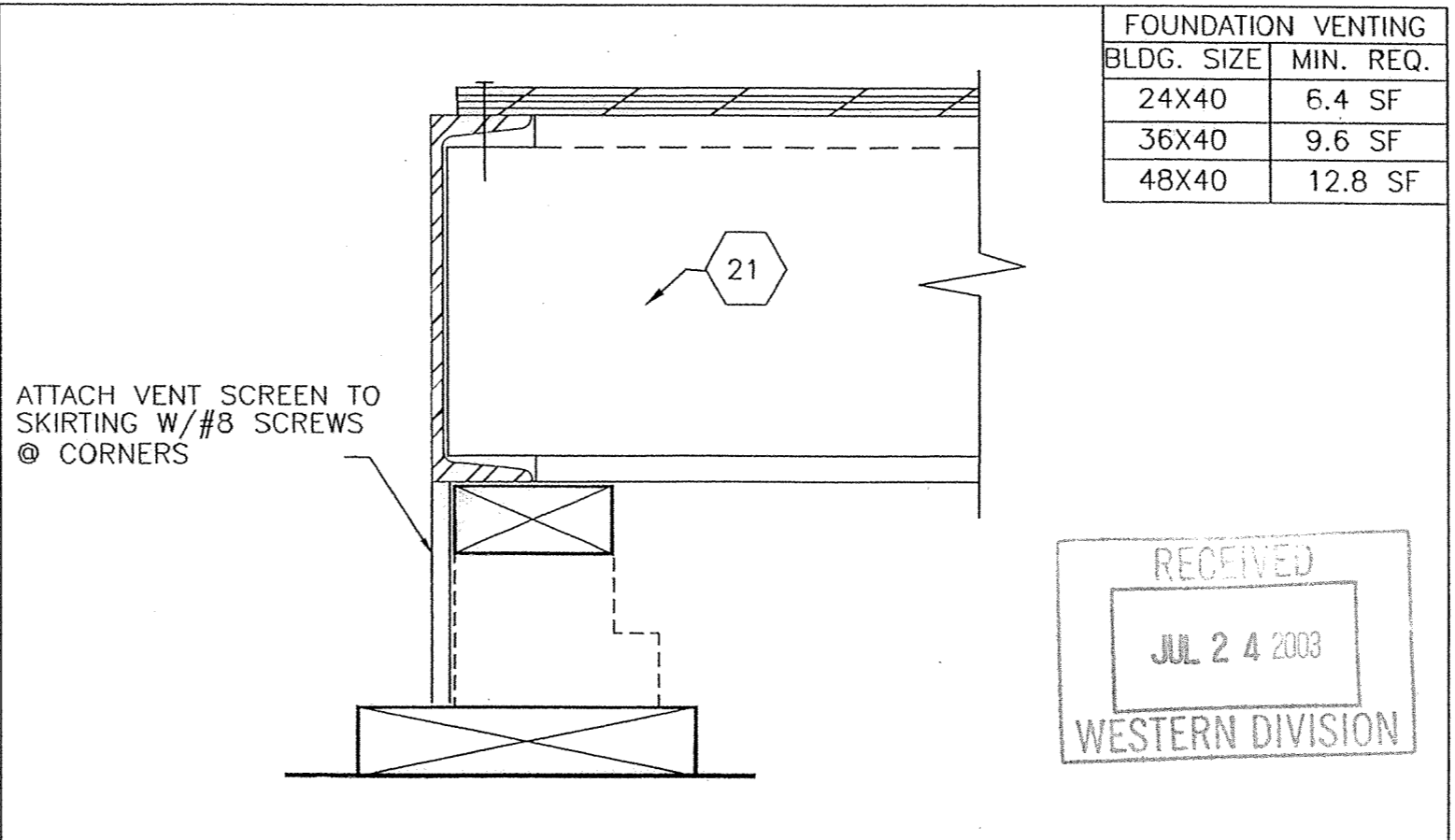
**FOUNDATION AT SIDEWALL** 1



**FOUNDATION AT SIDEWALL** 1A



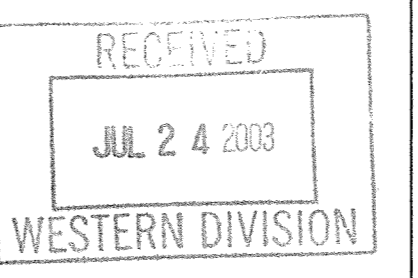
**FOUNDATION AT MOD LINE** 3



**FOUNDATION VENTING** 5

**FOUNDATION VENTING**

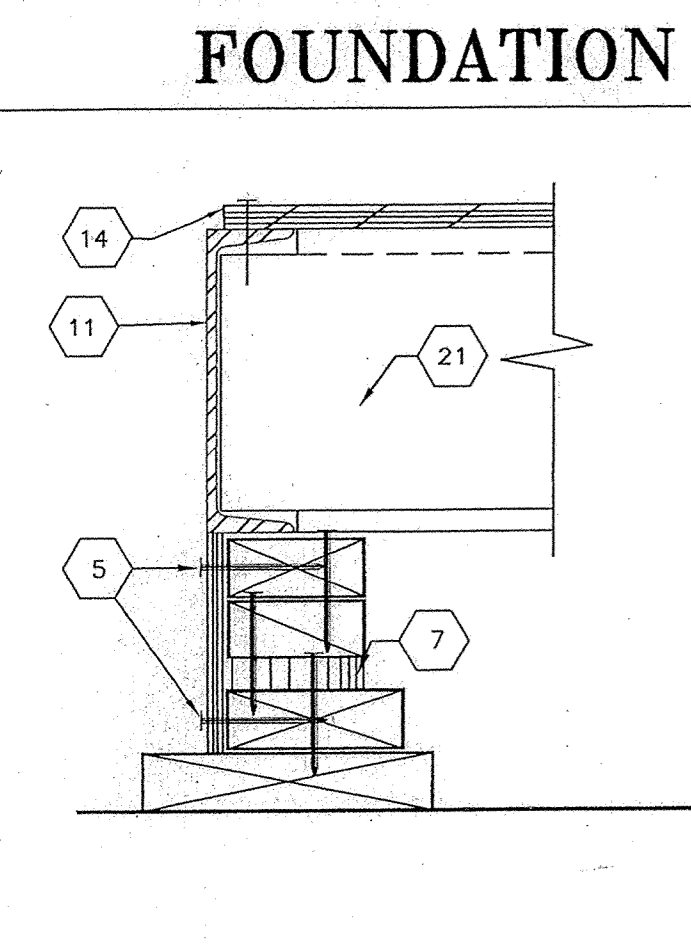
BLDG. SIZE	MIN. REQ.
24X40	6.4 SF
36X40	9.6 SF
48X40	12.8 SF



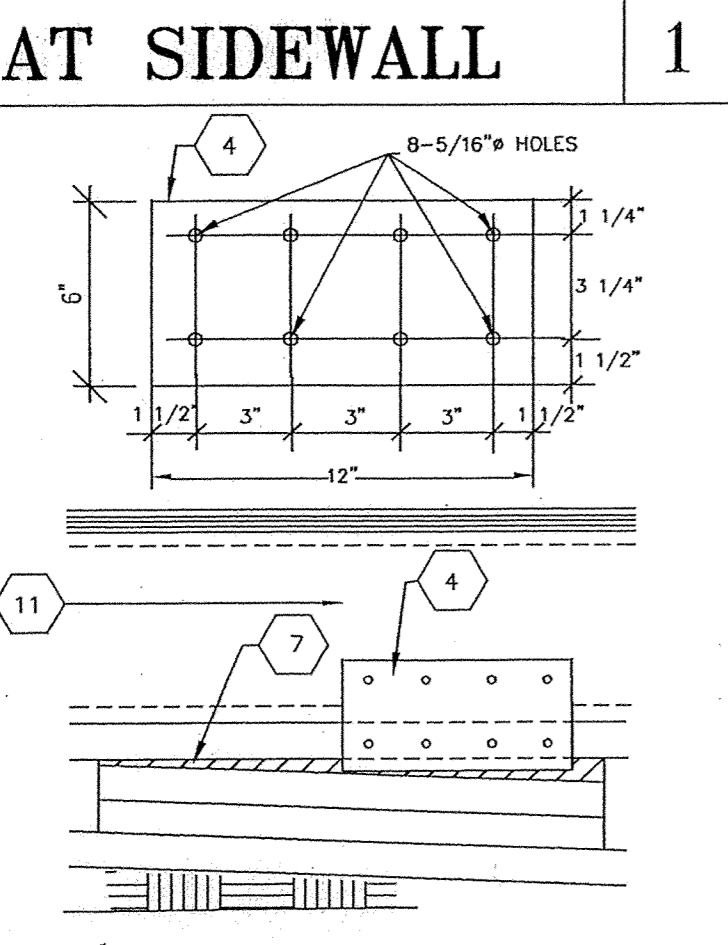
**FACE PLATE SCHEDULE-20 & 30 PSF ROOF**

BUILDING SIZE	FLOOR LOAD	FACE PLATES AT SIDES	FACE PLATES AT ENDS
24'x40'	50 PSF	4	7
	50+20 PSF	4	7
	100 PSF	4	7
	125 PSF	8	8
36'x40'	50 PSF	6	8
	50+20 PSF	6	8
	100 PSF	6	8
	125 PSF	9	11
48'x40'	50 PSF	6	8
	50+20 PSF	6	8
	100 PSF	6	8
	125 PSF	14	14

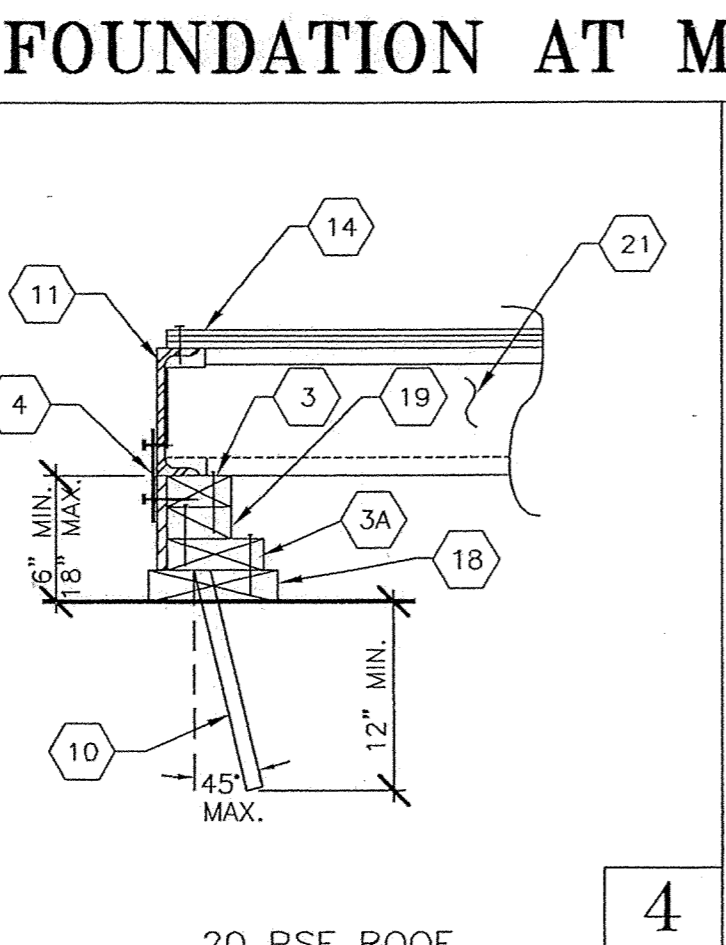
NOTE: THE FACE PLATES SHOWN ON THE FOUNDATION PLAN ARE FOR A 24'x40' W/ 50 PSF FLOOR LOAD. USE THE SCHEDULE ABOVE TO DETERMINE THE REQUIRED FACE PLATES FOR OTHER BUILDING SIZES AND FLOOR LOADS.



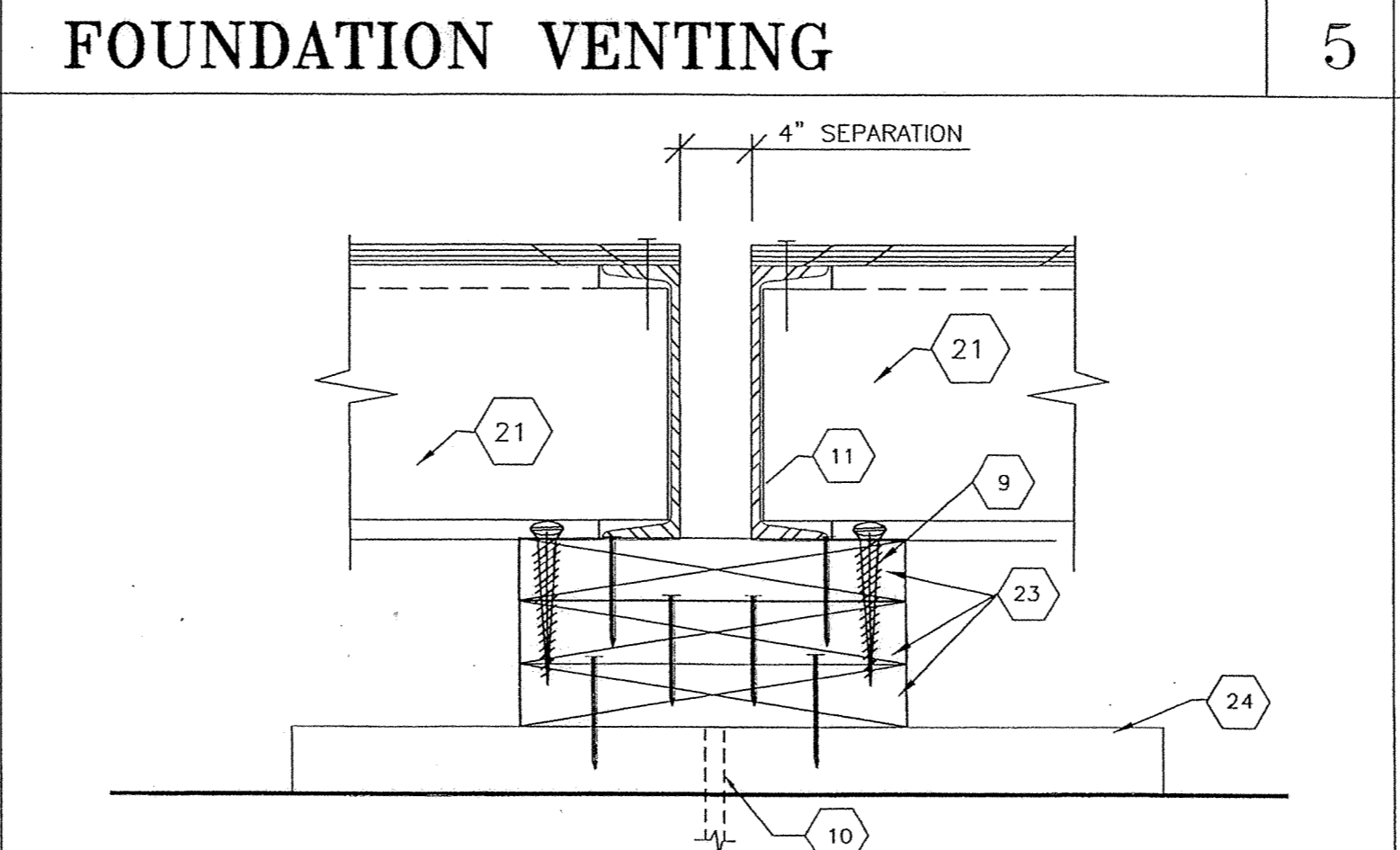
**SHIMMING AND SKIRTING** 2



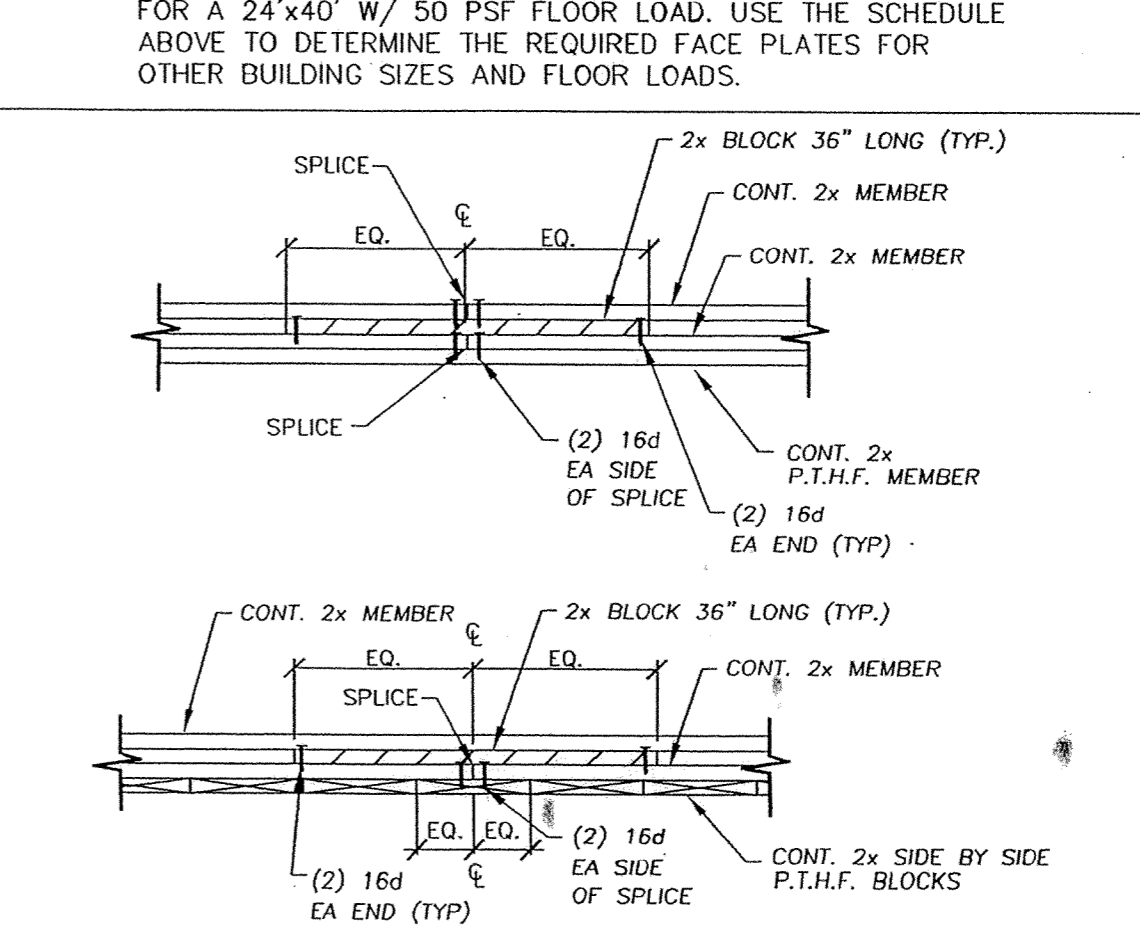
**FOUNDATION AT ENDWALL** 4



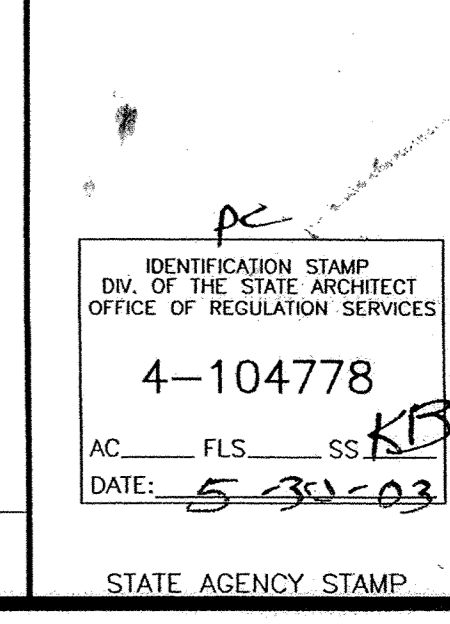
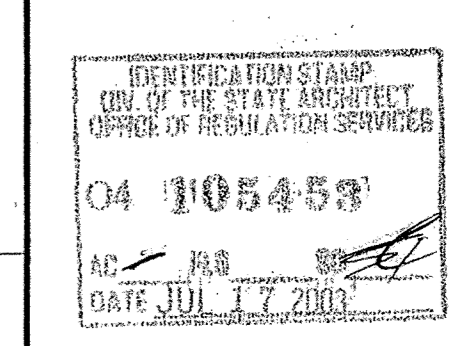
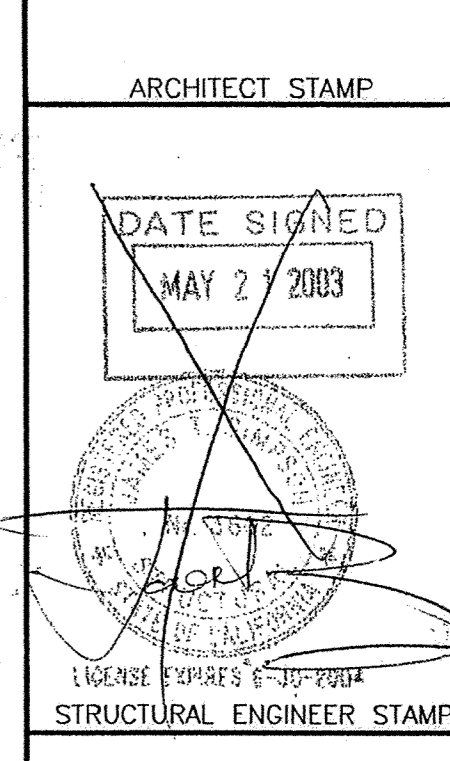
**FOUNDATION AT ENDWALL** 4A



**COMMON PAD** 6



**TYP. SPLICE DETAILS** 7



IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-123198 INC.  
REVIEWED FOR  
SS FLS ACS  
DATE: 10/31/2023

**M**

MODULAR STRUCTURES INTER  
920 CIRIUS AVE. RIVERSIDE, CALIFORNIA  
PHONE: (909) 788-3035 FAX: (909) 788-1523

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PROJECT: MODULAR CLASSROOM BUILDING

TITLE & BLDG. DATA:  
WOOD PAD FOUNDATION PLAN & DETAILS  
W/ PLYWOOD FLOOR  
WIND LOAD: 80 MPH  
ROOF LOAD: 20 & 30 PSF  
FLOOR LOAD: 50 PSF

DATE 12-1-02

DRAWN BY J.C.

SCALE 1/4"=1'-0"

APPROVED

REVISIONS

STATE AGENCY STAMP

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
4-104778  
AC FLS SS  
DATE: 5-31-03

STATE AGENCY STAMP

SHEET NO. F-1

# RELOCATABLE BUILDING(S)

FOR

WALNUT VALLEY U.S.D.

STOCKPILE FOR (40) 24' X 40' CLASSROOM BUILDINGS

VARIOUS SITES

SNs : 19118 THRU 19197

**W.S.M.M.**  
**RELOCATION PACKAGE**  
**FROM STOCKPILE TO**  
**SITE SPECIFIC FOR**  
**BAKERSFIELD CITY S.D.**  
**ROOSEVELT E.S.**  
**(X1) LEFT HAND DOOR**  
**SNs 19166-67**

PC-266

24' x 40'

~~36' x 40'~~

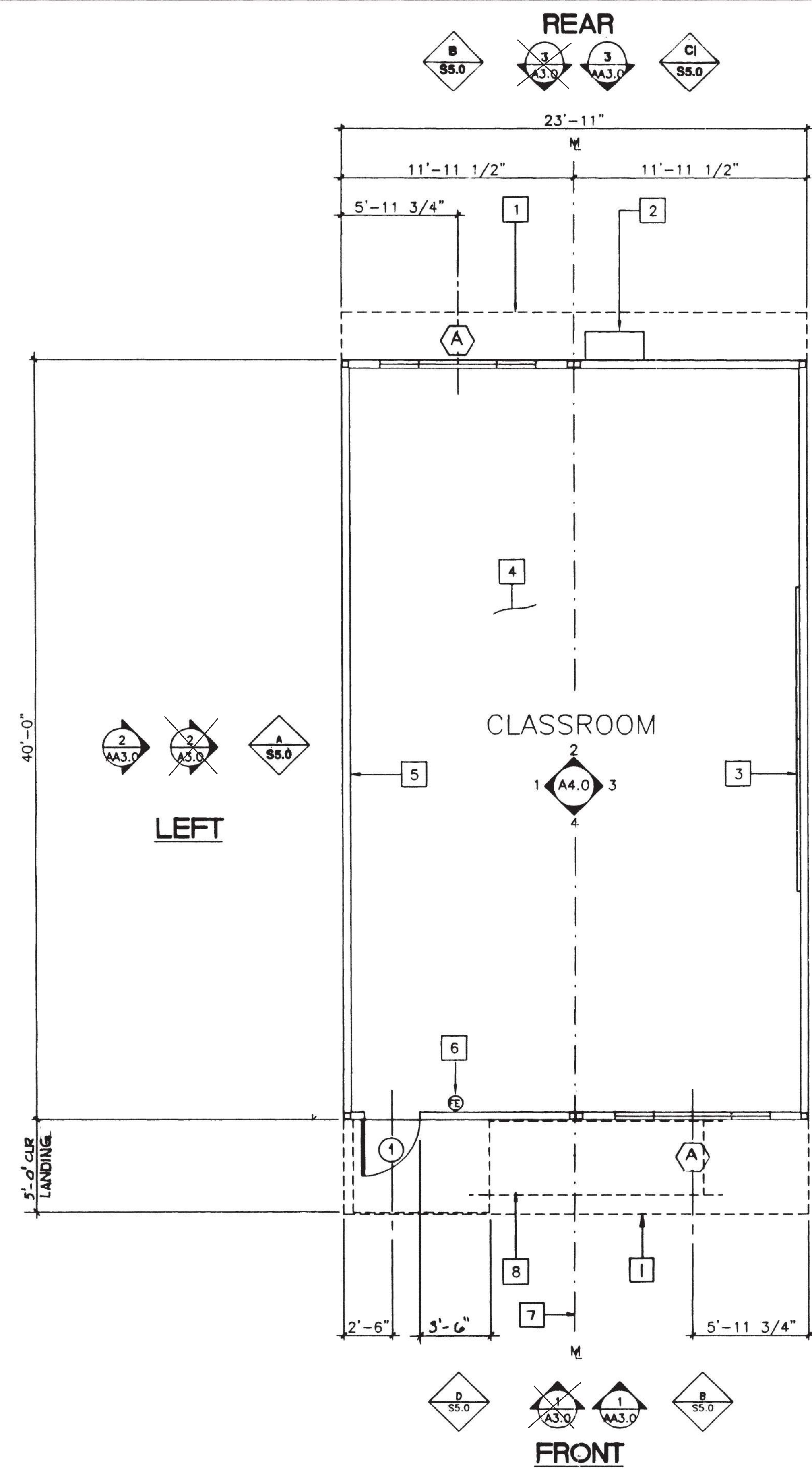
~~48' x 40'~~

REVISED

BUILDING DATA				SHEET INDEX	
BUILDING SIZE	24' X 40'	<del>36' X 40'</del>	<del>48' X 40'</del>	ARCHITECTURAL	
OCCUPANCY	E - 2	<del>E - 1</del>	<del>E - 1</del>	A.0	COVER SHEET
TYPE OF CONSTRUCTION	V - N	<del>V - N</del>	<del>V - N</del>	A1.0	FLOOR PLAN 24'X40'
WIND LOAD	70 MPH. EXP. "C"	<del>70 MPH. EXP. "C"</del>	<del>70 MPH. EXP. "C"</del>	A1.1	FLOOR PLAN 36'X40'
FLOOR LIVE LOAD	50 PSF	<del>50/50 + 20 PSF</del>	<del>50/50 + 20 PSF</del>	A1.2	FLOOR PLAN 48'X40'
ROOF LIVE LOAD	20 PSF	<del>20 PSF</del>	<del>20 PSF</del>	A1.3	ROOF PLAN (DUAL PITCH) 24'X40'
BUILDING AREA	960 SF	<del>1440 SF</del>	<del>1920 SF</del>	A1.4	ROOF PLAN (DUAL PITCH) 36'X40'
STRUCTURAL DESIGN	RIGID FRAME	<del>RIGID FRAME</del>	<del>RIGID FRAME</del>	A1.5	ROOF PLAN (MONO PITCH) 24'X40'
APPLICABLE CODES				A1.6	ROOF PLAN (MONO PITCH) 36'X40'
TITLE 24. CCR. PART 2. 1995 CBC (94 UBC W/95 CA AMENDMENTS)				A1.7	ROOF PLAN (MONO PITCH) 48'X40'
1994 UBC & 1995 CA AMENDMENTS (95 CBC - PART 2, TITLE 24, CCR)				A2.0	EXTERIOR ELEVATIONS (DUAL PITCH) 24'X40'
1993 NEC & 1995 CA AMENDMENTS (95 NEC - PART 3, TITLE 24, CCR)				A2.1	EXTERIOR ELEVATIONS (DUAL PITCH) 36'X40'
1994 UMC & 1995 CA AMENDMENTS (95 CMC - PART 4, TITLE 24, CCR)				A2.2	EXTERIOR ELEVATIONS (DUAL PITCH) 48'X40'
1994 UPC & 1995 CA AMENDMENTS (95 CPC - PART 5 TITLE 24, CCR)				A2.3	EXTERIOR ELEVATIONS (MONO PITCH) 24'X40'
1994 UNIFORM FIRE CODE W/ STATE AMENDMENTS (CALIFORNIA FIRE CODE - PART 9, TITLE 24, CCR)				A2.4	EXTERIOR ELEVATIONS (MONO PITCH) 36'X40'
1994 BUILDING STANDARDS CODE (95 STATE REFERENCED STANDARDS CODE - PART 12, TITLE 24, CCR)				A2.5	EXTERIOR ELEVATIONS (MONO PITCH) 48'X40'
TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS.				A3.0	INTERIOR ELEVATIONS 24'X40'
LEGEND				A3.1	INTERIOR ELEVATIONS 36'X40'
SYMBOL	DESCRIPTION			A3.2	INTERIOR ELEVATIONS 48'X40'
1	DETAIL ON SAME SHEET AS SYMBOL			A4.0	ARCHITECTURAL DETAIL (WOOD STUDS)
2	DETAIL NUMBER (1) ON SHEET NUMBER (2)			A4.1	ARCHITECTURAL DETAILS (WOOD STUDS)
1	KEY NOTE (1) ON SAME SHEET AS SYMBOL			A5.0	DOOR, WINDOW, FINISH, HARDWARE SCHEDULES
4	KEY NOTE NUMBER (4) ON SHEET NUMBER (5)			A6.0	ARCHITECTURAL DETAIL (WOOD STUDS)
A	WALL PANEL TYPE "A" ON SHEET (1)			A6.1	ARCHITECTURAL DETAILS (WOOD STUDS)
A	SECTION "A" ON SHEET (2)			A7.0	REFLECTED CEILING PLAN (24'X40')
A	REVISION / CHANGE IN DRAWING. NO. (1) IS FIRST REVISION			A7.1	REFLECTED CEILING PLAN (36'X40')
CLOUD	HIGHLIGHTS CHANGED AREA			A7.2	REFLECTED CEILING PLAN (48'X40')
1	DOOR REFERENCE			A7.3	REFLECTED CEILING DETAILS
A	WINDOW REFERENCE			F0.1	FOUNDATION PLAN 50 PSF
EL	ELECTRICAL ITEM(S) SEE ELECT. DRAWINGS			F0.2	FOUNDATION PLAN 75 PSF
HV	HEATING/VENTILATING & AIR CONDITIONING ITEM(S) SEE MECHANICAL DRAWINGS			F0.3	FOUNDATION PLAN 100 PSF
PLG	PLUMBING ITEM(S) SEE MECHANICAL DRAWINGS			F0.4	FOUNDATION PLAN 125 PSF
STR	STRUCTURAL ITEM(S) SEE STRUCTURAL DRAWINGS			F0.5	FOUNDATION PLAN 150 PSF
WITH THE SIGNING OF THESE DRAWINGS, WE ACKNOWLEDGE THAT WE HAVE REVIEWED THESE PLANS AND SPECIFICATIONS AND HAVE FOUND THEM TO BE IN GENERAL COMPLIANCE WITH THE BID DRAWINGS, SPECIFICATIONS AND ASSOCIATED ADDENDA. WHEN THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITECT, THEY SHALL PRESIDE OVER CONFLICTING AREAS IN THE BID DRAWINGS AND SPECIFICATIONS, AND ANY ADDENDA THERETO.				STRUCTURAL	
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PROJECT NUMBER: 2319				F0.7	
WALNUT VALLEY U.S.D. - STOCKPILE - VARIOUS SITES				F0.8	
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drawn by: [Signature]				F1.0	
checked by: [Signature]				F1.1	
date: [Date]				F1.2	
Project no. [Number]				F1.3	
MODTECH Index No. [Number]				F1.4	
PROJECT NO. PC-266				F1.5	
COVER SHEET				F1.6	
A0.0				F1.7	

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	Division of the State Architect	MODTECH INC.	PROJECT NUMBER: 2319	© MODTECH, INC.	drawn by: [Signature]
1					IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-266 DATE: JUN 25 1996 JCS: D. PENLASSON	2830 BARRETT AVENUE PERRIS, CALIF. 92572 PH (909) 943-4014 FAX (909) 940-0427	WALNUT VALLEY U.S.D. - STOCKPILE - VARIOUS SITES		checked by: [Signature]
2									date: [Date]
3									Project no. [Number]
4									MODTECH Index No. [Number]
5									

PROJECT NO. PC-266



SN's : 40450-61 RH / 40458-60 LH / 40460-64 RH / 40462-63 RH / 40464-66 LH / 19166-67 LH

**FLOOR PLAN (24' X 40')**

"A" FLOOR PLAN AS SHOWN.  
 "B" OPPOSITE (R.H. DOOR).

SCALE 1/4" = 1'-0"

- KEY NOTES**
- 1 ROOF OVERHANG
  - 2 HVAC UNIT - SEE MECH. SHEET
  - 3 2- 8'X4' MARKER BOARDS (SEE SPECS)
  - 4 FINISH FLOORING: (SEE FINISH SCHED.) A5.0
  - 5 TYPICAL INTERIOR FINISH (SEE FINISH SCHEDULE) A5.0
  - 6 FIRE EXTINGUISHER - 5 LBS. DRY CHEMICAL WITH 2A-10BC U.L. RATING ON WALL MTD. BRACKET. HANDLE AT 48" A.F.F.
  - 7 MODLINE (M. TYPICAL)
  - 8 LINE OF RAMP/LANDING SEE R1.0 & R2.0

- NOTES**
1. METAL TAG ON ALL MODULES. MECHANICALLY ATTACHED TO REAR EXTERIOR OF BUILDING SHOW D.S.A. APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER. ROOF & FLOOR DESIGN LIVE LOAD AND DESIGN WIND LOAD.
  2. INSULATION MATERIALS INSTALLED WITHIN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALLS, CRAWL SPACES, OR ATTICS SHALL HAVE A FLAMESPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450. EXCEPTIONS: 1. FOAM PLASTIC INSULATION SHALL COMPLY WITH SEC. 2602 2. WHEN MATERIALS ARE INSTALLED IN CONCEALED SPACES OF TYPES I, II, IV, AND V CONSTRUCTION, THE FLAME SPREAD AND SMOKE-DEVELOPED LIMITATIONS DO NOT APPLY TO FACINGS IF THE FACING IS INSTALLED IN SUBSTANTIAL CONTACT WITH THE UNEXPOSED SURFACE OF THE CEILING, FLOOR OR WALL FINISH. (SEC. 707.3 CBC.)

**REVISIONS**

NO.	DESCRIPTION	DATE
1		
2		
3		
4		
5		

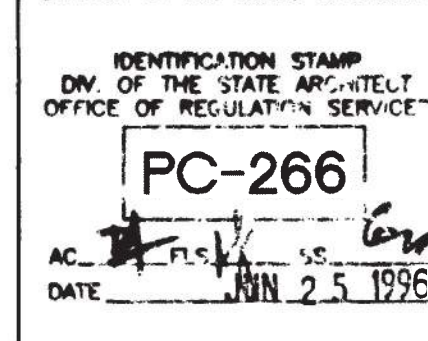
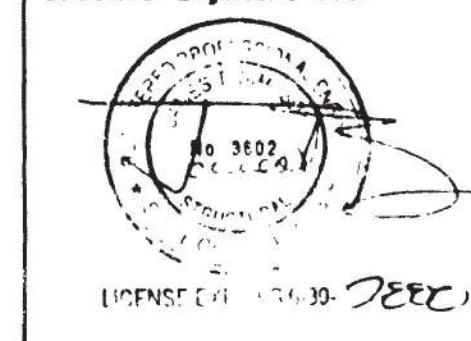
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Mechanical Engineer's Seal

Structural Engineer's Seal

Architect's Seal

Division of the State Architect



**MODTECH INC.**  
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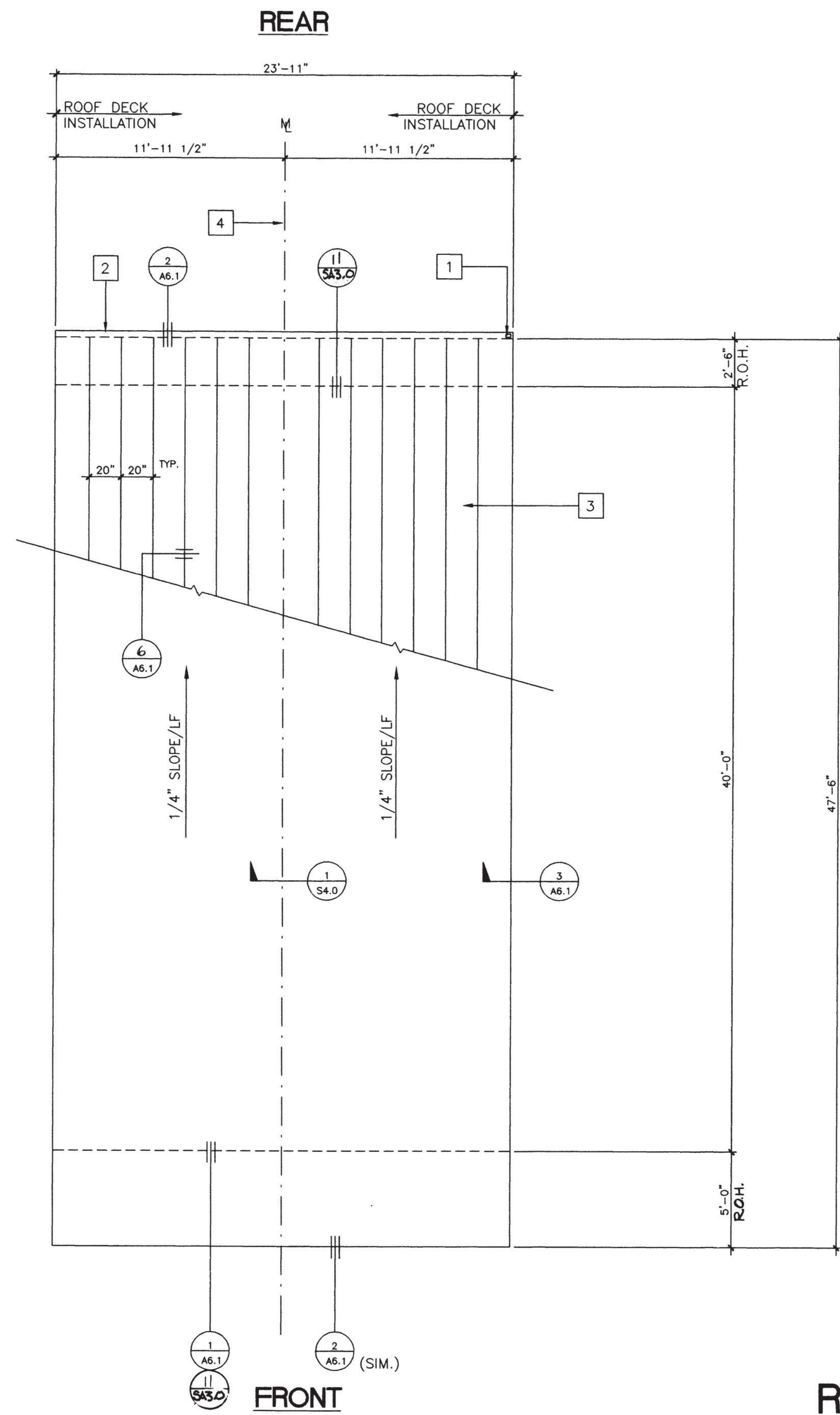
WALNUT VALLEY U.S.D. - STOCKPILE - VARIOUS SITES

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 checked by:  
 date:  
 ModTech project no.  
 MODTECH Index No.

**FLOOR PLAN**

**A10**

PROJECT NO. PC-236



**KEY NOTES**

- 1 DOWNSPOUT TYPICAL FOR (1) SEE 8/A6.1
- 2 CONTINUOUS GUTTER
- 3 26GA. MIN. INTERLOCKING ROOF PANELS OVER AQUA BAR 15 (MHI) ROOFING UNDERLAYMENT RADCO LISTING #1109 OVER 3/4" CDX PLYWOOD.
- 4 MODLINE
- 5 NOT USED

**NOTES**

- 1. BUILDING HOUSING GROUP E OCCUPANCIES SHALL HAVE ROOF COVERINGS AS SPECIFIED IN TABLE 15A. C.B.C. CLASS A

**ROOF PLAN (MONO SLOPE)**  
**( 24' X 40' )**

SCALE 1/4"=1'-0"

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 APPL 66237  
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REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	Division of the State Architect
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△					
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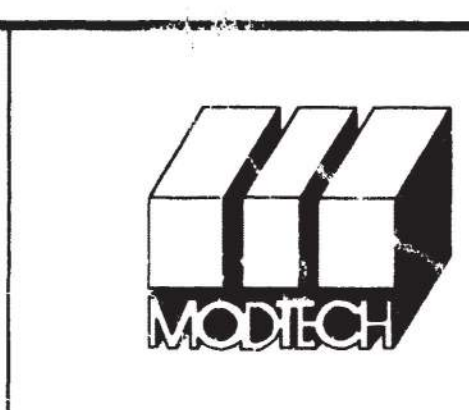
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Mechanical Engineer's Seal

Structural Engineer's Seal

Architects Seal

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 OFFICE OF REGULATION SERVICES  
**PC-266**  
 AC. FLS. SS. DATE: JUN 25 1996



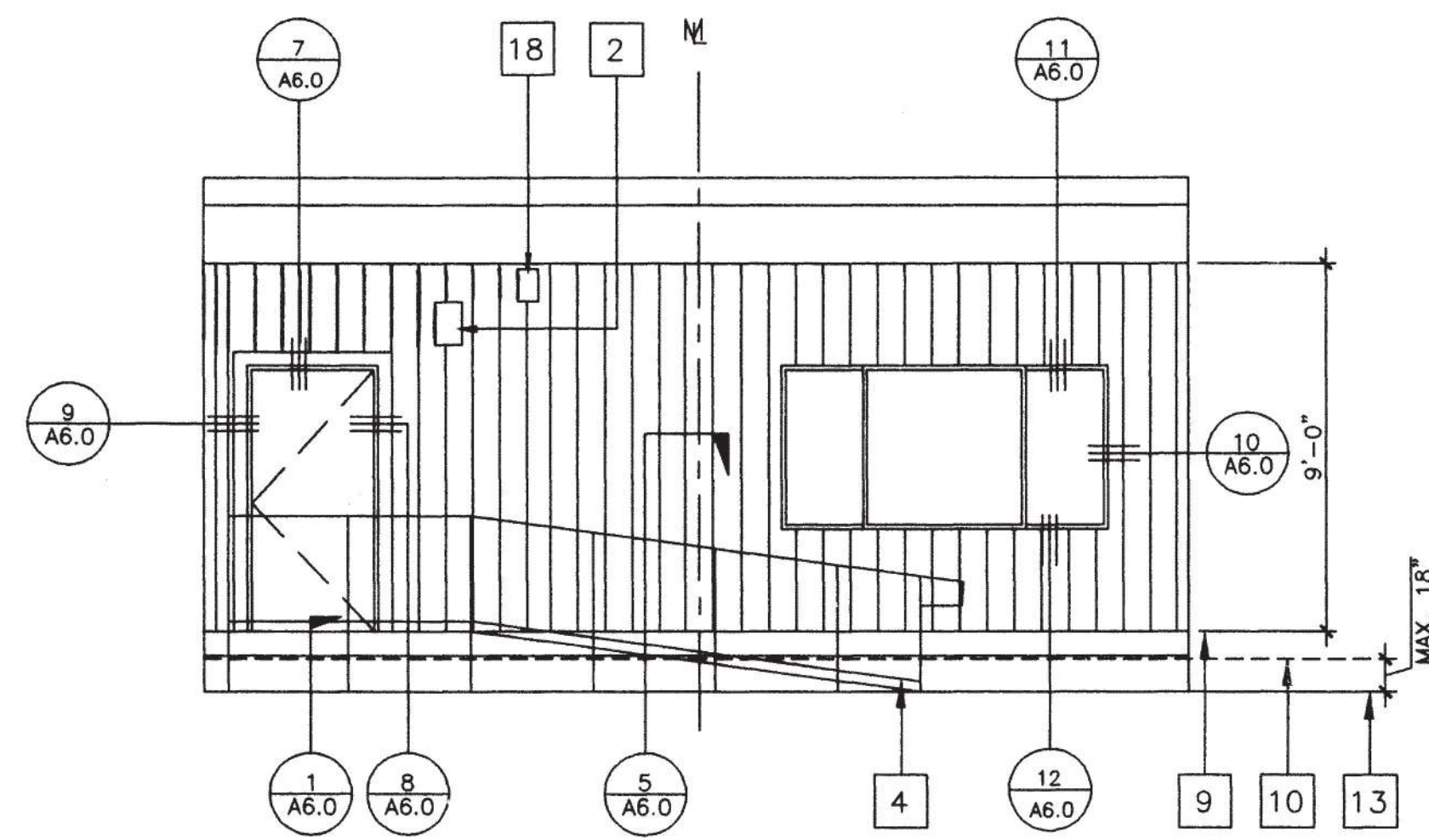
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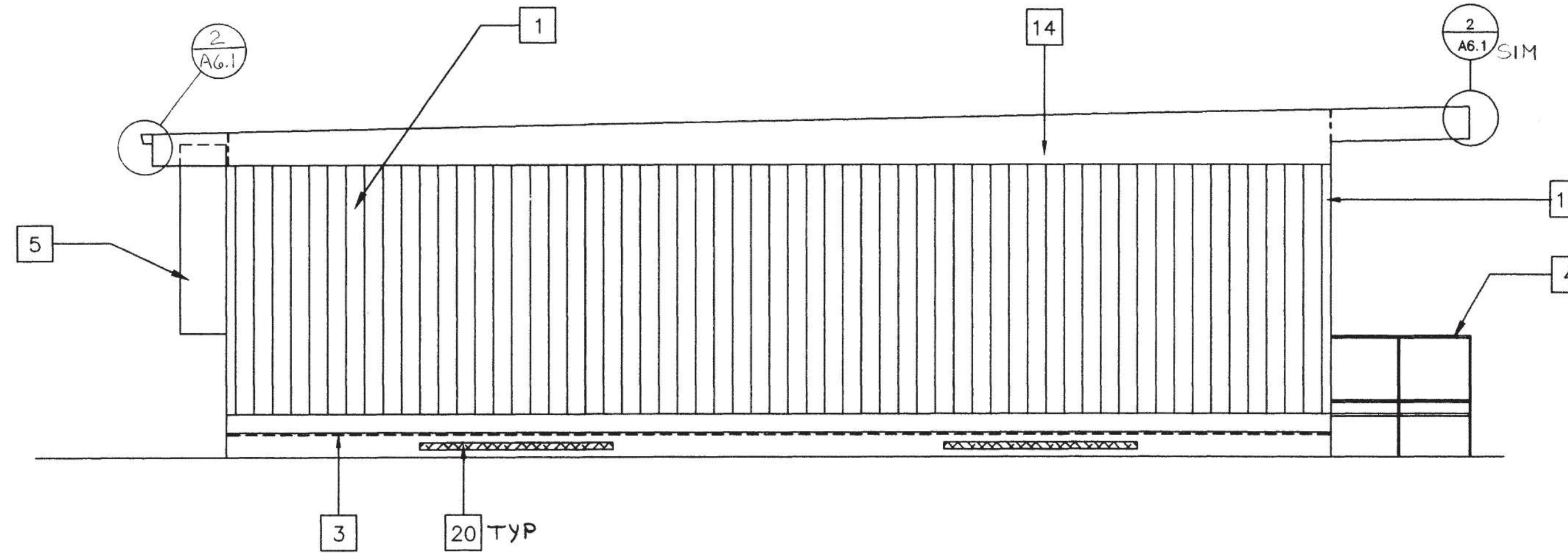
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FILE # P266A20.DWG PROJECT NO. PC-266



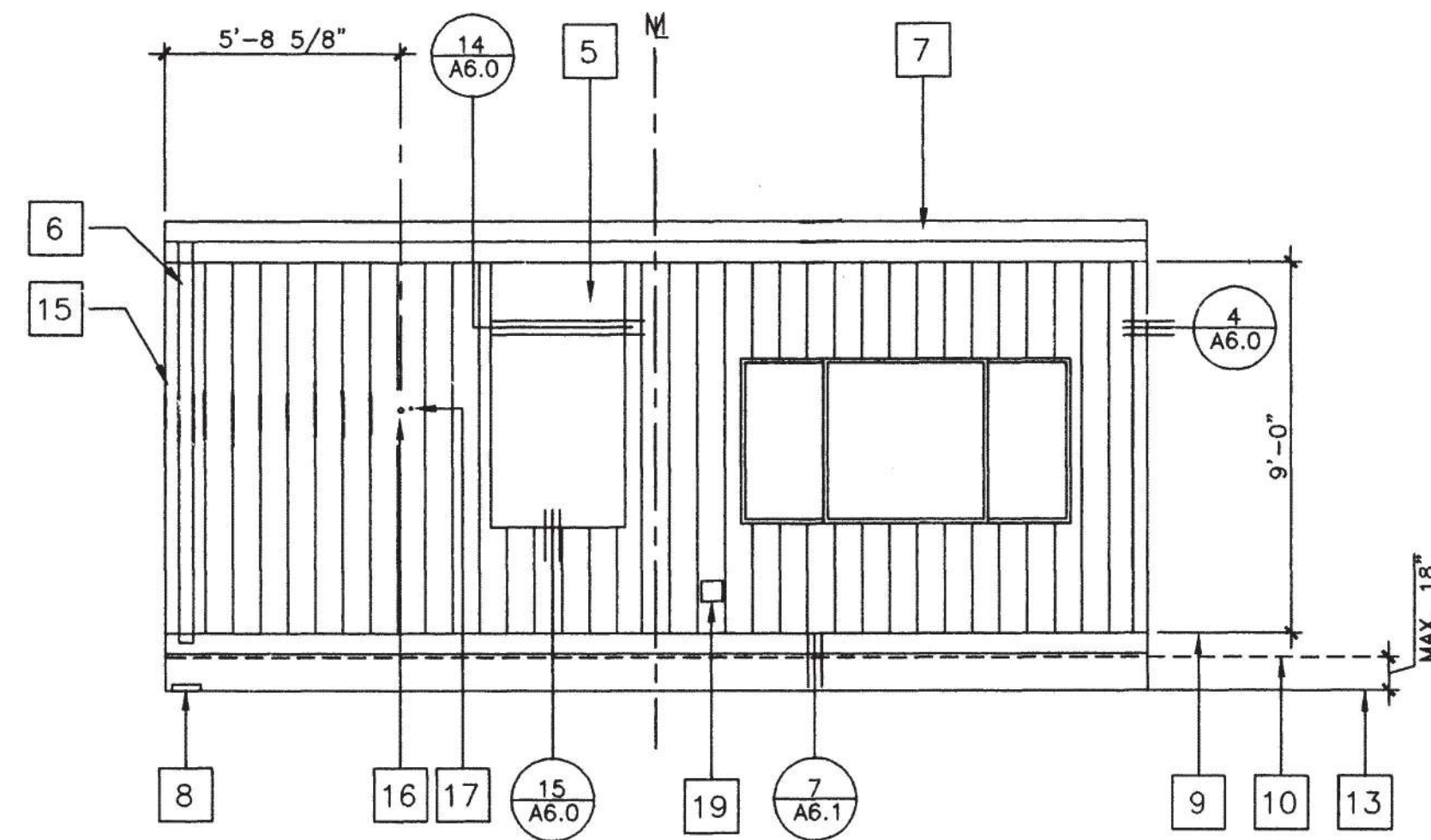
1 FRONT ELEVATION

SCALE 1/4"=1'-0"



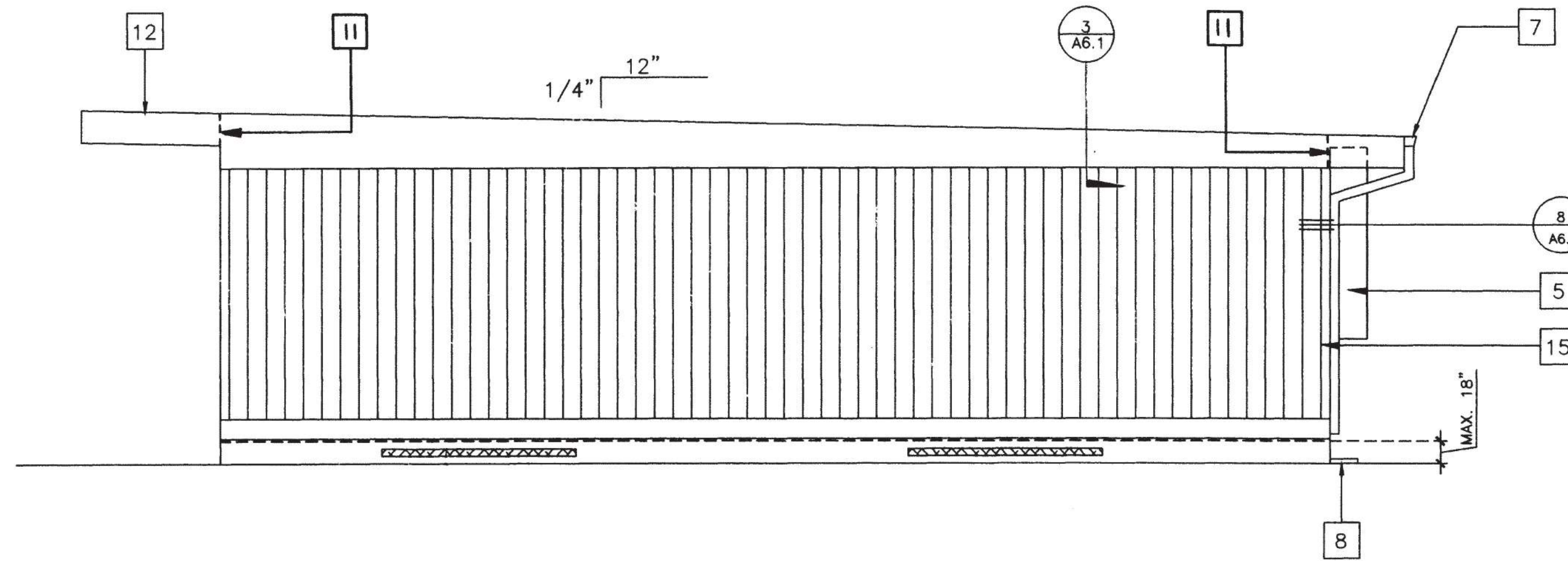
2 LEFT SIDE ELEVATION

SCALE 1/4"=1'-0"



3 REAR ELEVATION

SCALE 1/4"=1'-0"



4 RIGHT SIDE ELEVATION

SCALE 1/4"=1'-0"

KEY NOTES

- 1 TYPICAL EXTERIOR SIDING (SEE SPEC'S)
- 2 EXTERIOR LIGHT FIXTURE (SEE SPEC'S)
- 3 TOP OF SKIRTING
- 4 RAMP AND LANDING SEE SHT. R-1
- 5 HVAC UNIT (HW)
- 6 DOWNSPOUT (TYP.) FOR (1). FASTEN TO BLDG. TYP. 3 PLACES (SEE 8/A6.1)
- 7 CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOWN ON ROOF PLAN)
- 8 SPLASH BLOCK (BY OTHERS)
- 9 FINISH FLOOR LINE
- 10 BOTTOM FLANGE OF FLOOR BEAM
- 11 ROOF HEADER
- 12 ROOF OVERHANG
- 13 FINISH GRADE
- 14 ROOF BEAM (STR)
- 15 COLUMN (STR)
- 16 ELECTRICAL STUB-OUT (EL)
- 17 GROUND STUB-OUT (EL)
- 18 J BOX FOR FA HORN (EL)
- 19 GUTTER BOX (EL)
- 20 FOUNDATION VENT (SEE FOUNDATION PLAN FOR SIZE & LOCATION)

NOTES

REVISED

"A" FLOOR PLAN AS SHOWN. 24' X 40' (MONO SLOPE)  
 "B" OPPOSITE (R.H. DOOR).

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REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architect's Seal	Division of the State Architect	MODTECH INC.	PROJECT NUMBER: 2319	MODTECH, INC.	drawn by:
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3									date:
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6									MODTECH Index No.

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architect's Seal

Division of the State Architect

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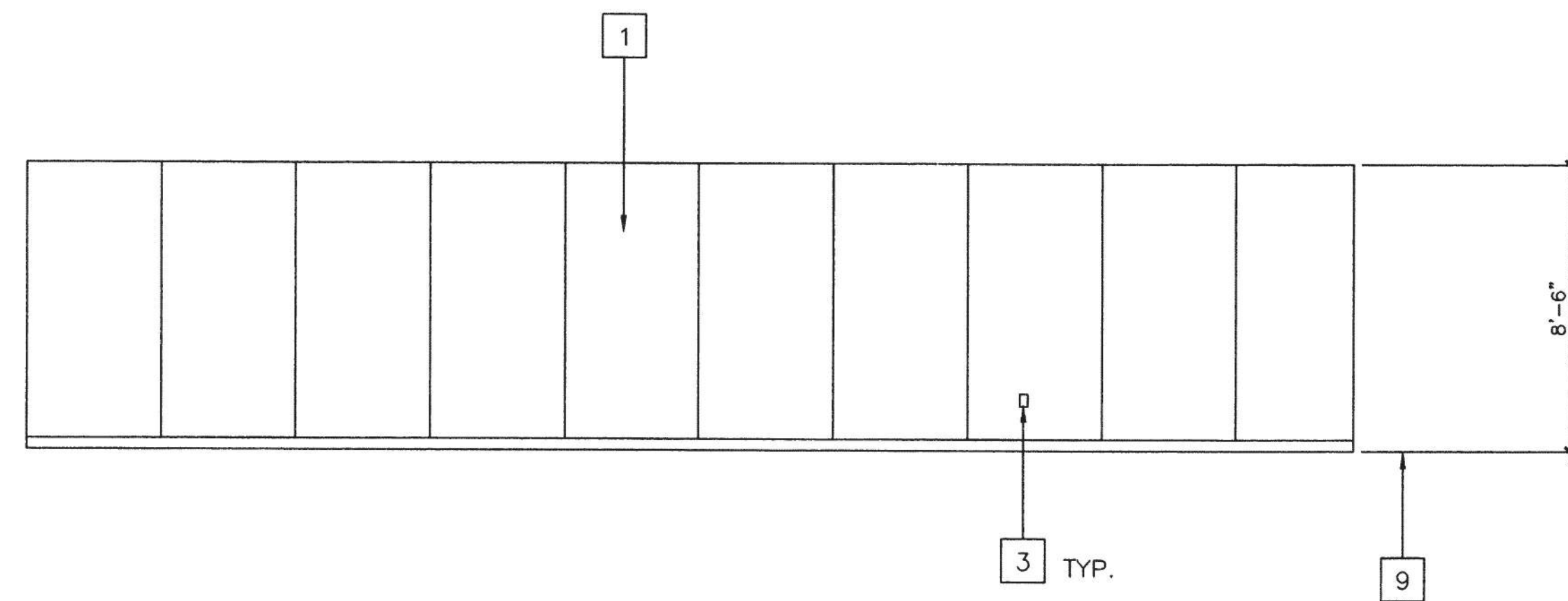
EXTERIOR ELEVATIONS  
 AA3.0

FILE # P266A30

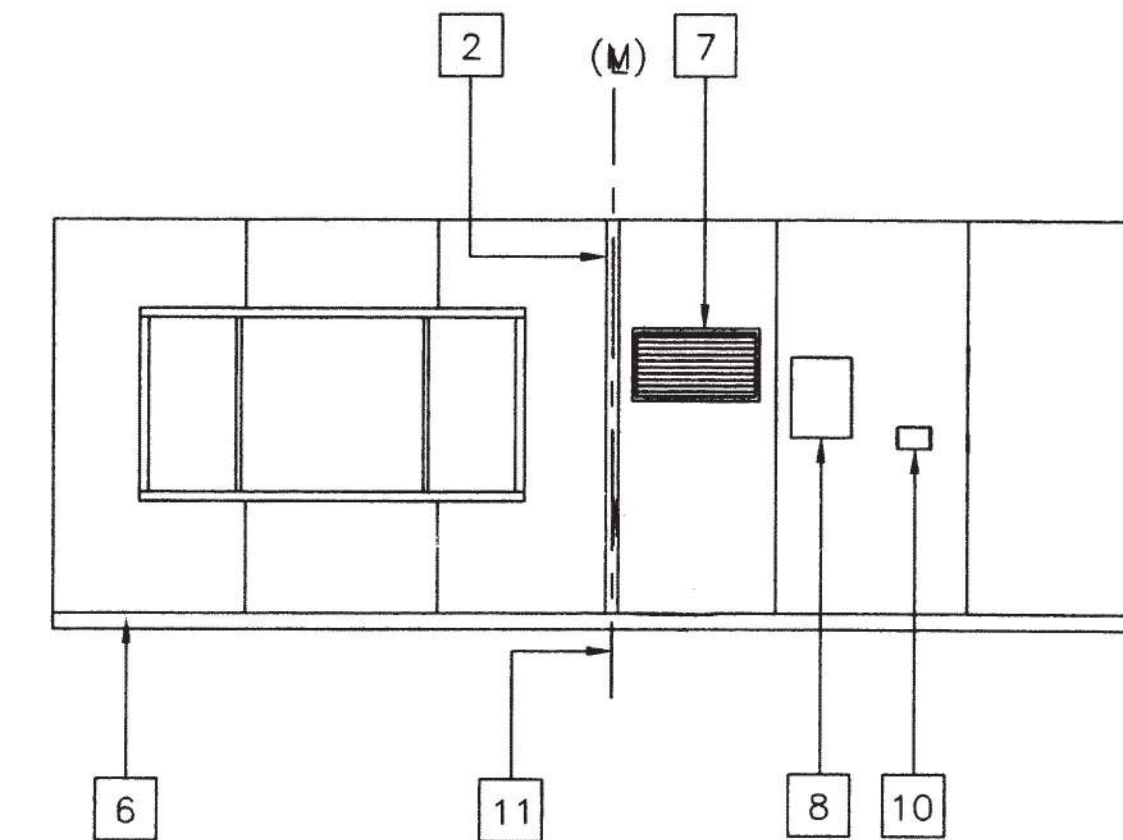
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**KEY NOTES**

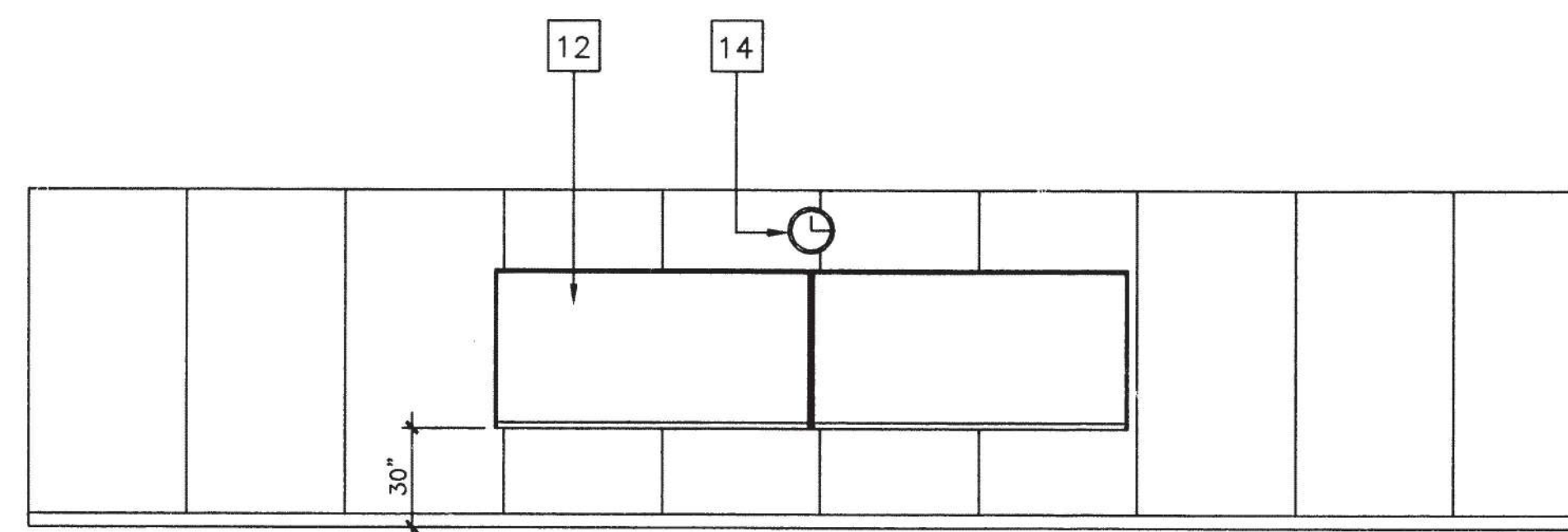
- 1 TYPICAL INTERIOR FINISH (SEE A3.0)
- 2 CLOSURE AT MODULAR JOINT
- 3 DUPLEX WALL RECEPTACLE (EL)
- 4 FIRE ALARM PULL STATION (EL)
- 5 LIGHT SWITCH (EL)
- 6 TOP SET BASE (TYPICAL) SEE FINISH SCHED.
- 7 RETURN AIR GRILL
- 8 ELECTRICAL PANEL (EL)
- 9 FINISH FLOOR
- 10 THERMOSTAT (HV)
- 11 MODULAR JOINT
- 12 8040 MARKBOARD. TYPICAL FOR (2)
- 13 FIRE EXTINGUISHER: 5LBS. DRY CHEMICAL WITH 2A-10BC U.L. RATING ON WALL MTD. BRACKET, HANDLE AT 48" A.F.F.
- 14 12" DIA. ELECTRIC CLOCK (EL)



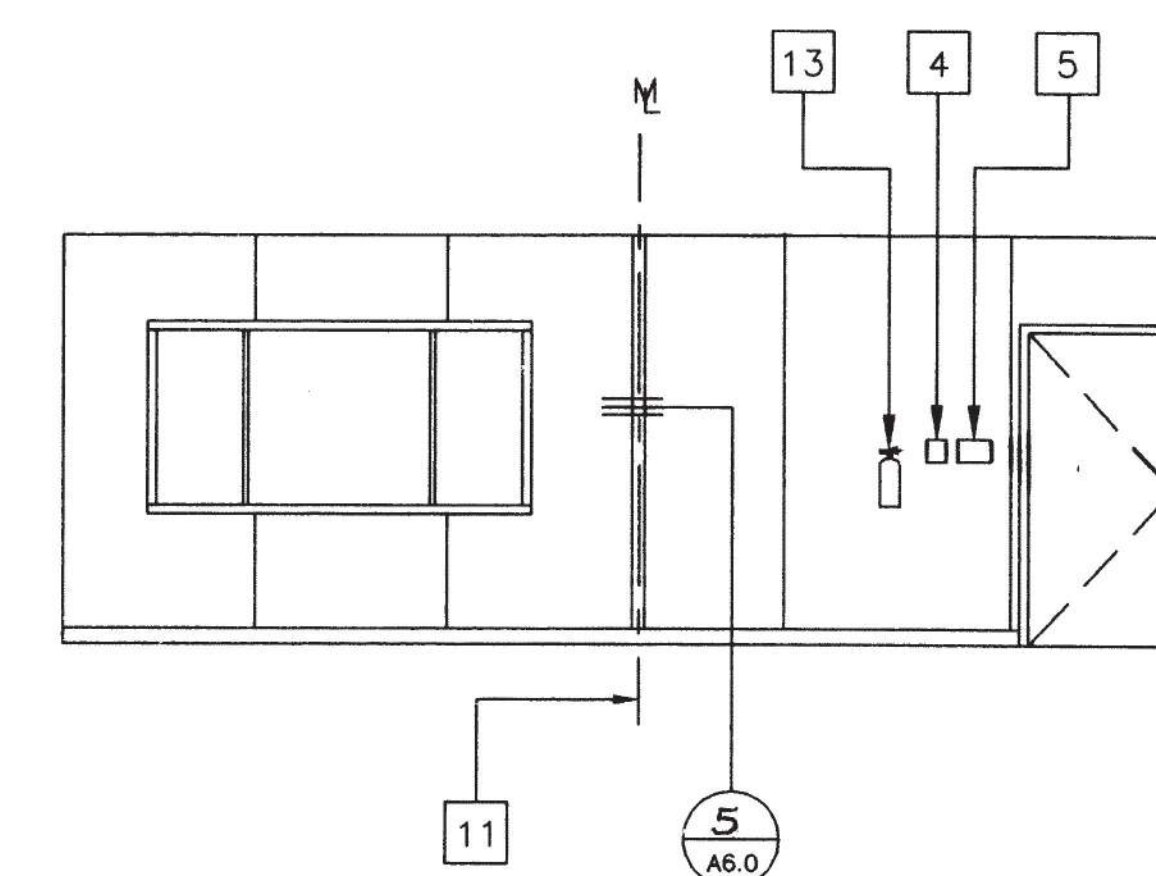
1



2



3



4

"A" FLOOR PLAN AS SHOWN.  
 "B" OPPOSITE (R.H. DOOR).

**INTERIOR ELEVATIONS (24' X 40')**

SCALE 1/4"=1'-0"

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 DATE: 10/29/96

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**REVISIONS**

NO.	DESCRIPTION

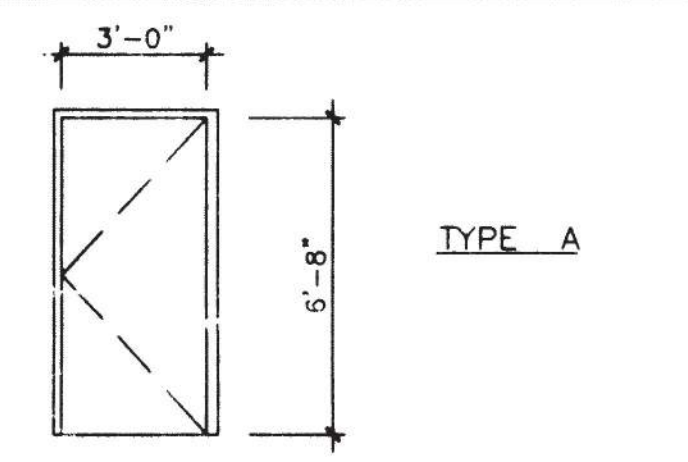
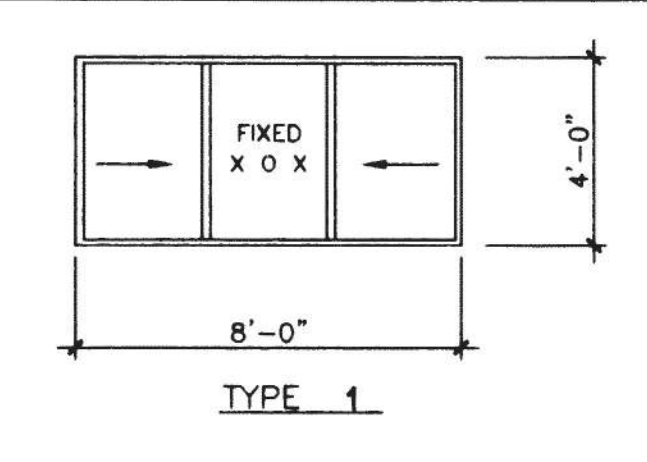
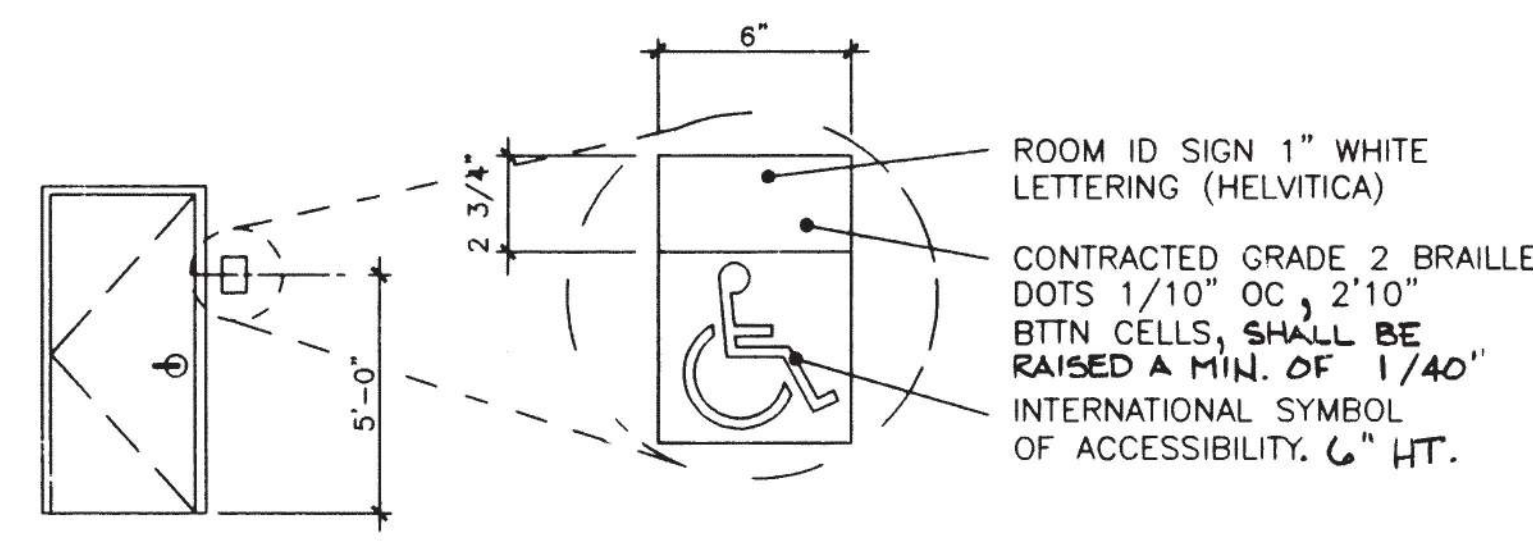
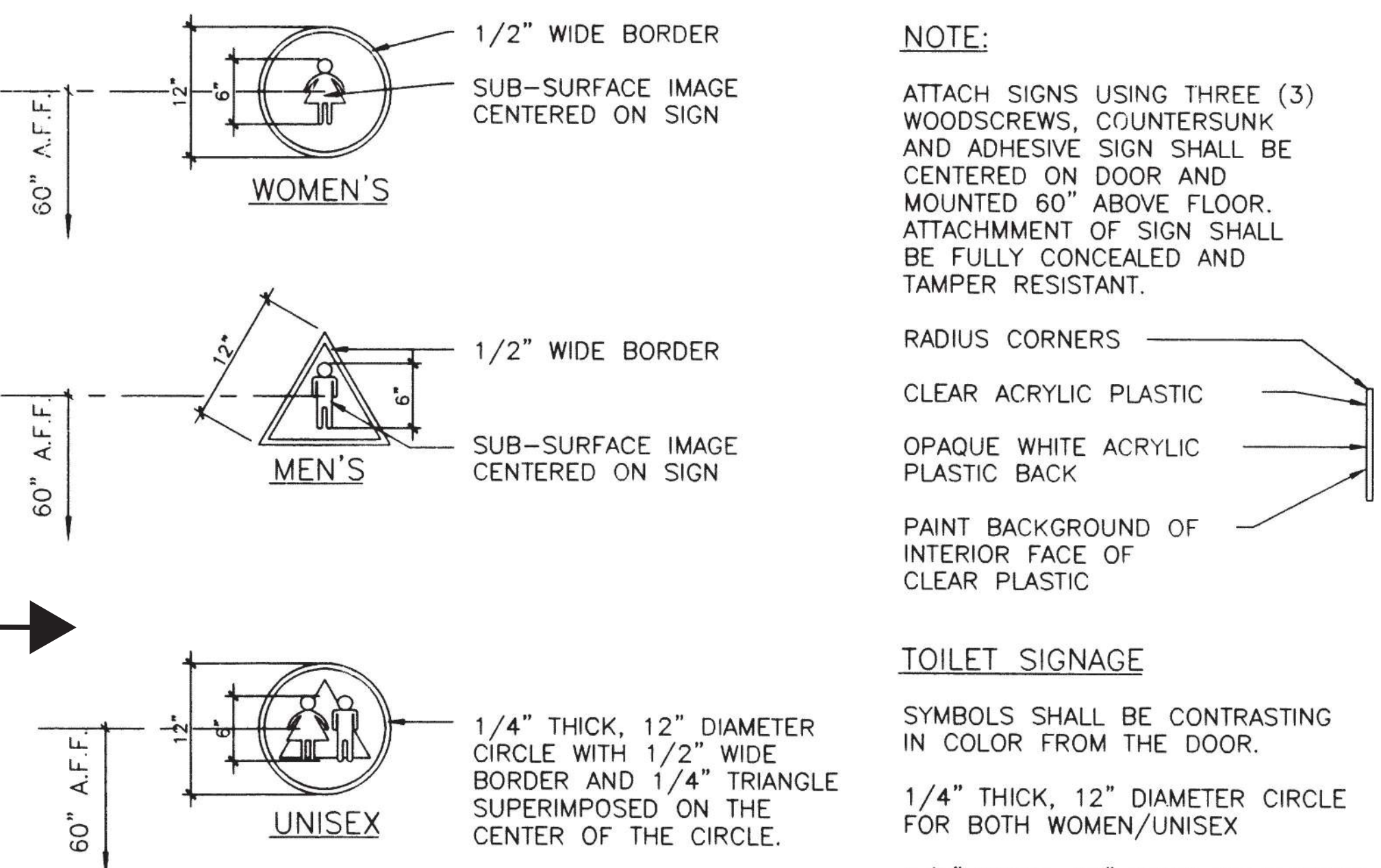
Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architect's Seal	Division of the State Architect IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES <b>PC-266</b> AC: [Signature] FLS: [Signature] SS: [Signature] DATE: JUN 25 1996
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**INTERIOR ELEVATIONS**

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 date: [Signature]  
 Modtech project no:  
 MODTECH Index No.:  
**A4.0**

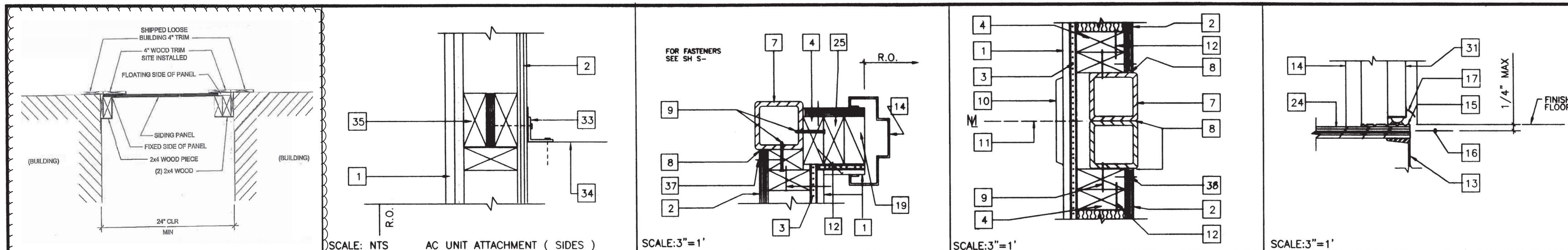
FILE # P266 A4.0.DWG PROJECT NO. PC-266

DOOR SCHEDULE										WINDOW SCHEDULE					ROOM FINISH SCHEDULE							NOTES									
D O O R S										W I N D O W					R O O M F I N I S H E S							R E M A R K S									
DOOR NUMBER	FRAME OPENING SIZE	MATERIAL	TYPE	FIRE RATING	HARDWARE SET NO.	QUANTITY	MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	JAMB THROAT	NOTE NO.	AMT.	TYPE	WIDTH	HEIGHT	FINISH	GLASS TYPE	LIN. NO.	ROOM NUMBER	ROOM NAME	FLOOR	BASE	FINISHES				CEILING	CEILING HEIGHT	REMARKS	
1	3'-0" X 6'-8"	HM	A	NA	1		HM	7/A6.0	8/A6.0	1/A6.0	5-1/8"			2	I	8'-0"	4'-0"	ANODIZED	7/32" MIN. SOLAR GRAY 46%, DUAL GLAZE	A	1	CLASSROOM	A	D	F	F	F	F	L	8'-6"	
HM - HOLLOW METAL AL - ALUMINUM SST - STAINLESS STEEL STL - STEEL FRAME, 16ga, FULLY WELDED, GALV @ EXTERIOR, REPUBLIC "ME" SERIES. PAINT TO WWF - WINDOW WALL FRAME SC - SOLID CORE WOOD HC - HOLLOW CORE WOOD SCL - SOLID CORE WOOD (LEGACY)										1. 8040 XOX ANODIZED ALUMINUM, DUAL GLAZING, 7/32" MIN. TEMPERED GLASS OF SOLAR GRAY WITH A LIGHT TRANSMISSION FACTOR OF 46%, ALL OPERABLE SASH SHALL HAVE SCREENS.					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. ARMSTRONG STANDARD OR EXCELOX D - TOP SET BASE, 4" BURKE E - TOP SET BASE, 6" BRIGANTINE 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 - 3/8" W.R. GYP BOARD, TAPE, TEXTURE, PAINTED FINISH I - 1/2" GYP BOARD, TAPE, TEXTURE, PAINTED FINISH J - 3/8" GYP BOARD, TAPE, TEXTURE, PAINTED FINISH K - 3/32" F.R.P. OVER 1/2" W.R. GYP BOARD L - ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)							1. ALL FINISHES SHALL COMPLY WITH C.B.C. CHAPTERS 3,6,7,8, & 10 & C.F.C. & TITLE 19 C.C.R.									
<b>DOOR ELEVATIONS</b> 										<b>WINDOW ELEVATIONS</b> 					<b>FINISH NOTES</b> 1. SUB-FLOOR PREP: PREPARATION FOR SUB FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB FLOOR IS 2.4.1 PLYWOOD. OUTER PLY IS PLUGGED AND TOUCH SANDED, ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR. THE JOINT AT THE MODULE JOINING SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.																
<b>DOOR NOTES</b> 1. DOOR HANDLES FOR LOCKSETS TO BE CENTERED @ 40" AFF & DEADBOLTS @ 44" AFF. HARDWARE TO BE OPENABLE FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT LEVERS TO RETURN TO WITHIN 1/2" OF DOOR. 2. ALL DOORS SHALL BE 1-3/4" THICK UNO DOUBLE LETTERS IN SCHEDULE, INDICATES A PAIR OF DOORS. 3. CLOSURE SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 8.5 LBS @ EXTERIOR DOORS AND 5.0 LBS @ INTERIOR DOORS. 4. PLACE SIGN OVER EXIT DOORS: THESE DOORS TO REMAIN UNLOCKED DURING BUSINESS HOURS* SIGNAGE IS NOT IN MODTECH CONTRACT										<b>WINDOW NOTES</b> 1. 8040 XOX ANODIZED ALUMINUM, DUAL GLAZING, 7/32" MIN. TEMPERED GLASS OF SOLAR GRAY WITH A LIGHT TRANSMISSION FACTOR OF 46%, ALL OPERABLE SASH SHALL HAVE SCREENS.					<b>FINISH NOTES</b> 1. SUB-FLOOR PREP: PREPARATION FOR SUB FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB FLOOR IS 2.4.1 PLYWOOD. OUTER PLY IS PLUGGED AND TOUCH SANDED, ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR. THE JOINT AT THE MODULE JOINING SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.																
<b>HARDWARE SCHEDULE</b> <b>HARDWARE SET #1</b> LOCKSET - SCHLAGE D75PD, RHODES LEVER, OR EQUAL BUTTS - 1-1/2 PAIR HAGER 1279 BB 4-1/2 x 4-1/2 NRP 26D OR EQUAL. CLOSER - NORTON 8501 BFD / 900 BFD CAL ROYAL OR EQUAL. THRESHOLD - PEMCO 271A OR EQUAL. DOOR BOTTOM - PEMCO 216AV OR EQUAL. WEATHERSTRIP - PEMCO 299AV OR EQUAL. <b>HARDWARE SET #2 (INTERIOR PASSAGE)</b> LOCKSET - SCHLAGE D10S WITH RHODES LEVER, OR EQUAL BUTTS - 1-1/2 PAIR HAGER 1279 4-1/2 x 4-1/2 OR EQUAL. <b>HARDWARE SET #3 (INTERIOR / OFFICE LOCKABLE)</b> LOCKSET - SCHLAGE D53PD, WITH RHODES LEVER OR EQUAL BUTTS - 1-1/2 PAIR HAGER 1279 4-1/2 x 4-1/2 26D <b>HARDWARE SET #4 (INTERIOR / DOUBLE CLASSROOM LOCKABLE)</b> LOCKSET - SCHLAGE D66PD, WITH RHODES LEVER OR EQUAL BUTTS - 1-1/2 PAIR HAGER 1279 4-1/2 x 4-1/2 26D <b>HARDWARE SET #5 (INTERIOR TOILET ROOM / PRIVACY)</b> LOCKSET - SCHLAGE D40S OR EQUAL BUTTS - 1-1/2 PAIR HAGER 1279 4-1/2 x 4-1/2 26D <b>HARDWARE SET #6 (INTERIOR STOREROOM)</b> LOCKSET - SCHLAGE D80PD WITH RHODES LEVER OR EQUAL BUTTS - 1-1/2 PAIR HAGER 1279 4-1/2 x 4-1/2 26D <b>HARDWARE SET #7 (PANIC)</b> LOCKSET - VON DUPRIN 99L PANIC HARDWARE OR EQUAL BUTTS - 1-1/2 PAIR HAGER 1279 BB 4-1/2 x 4-1/2 NRP 26D OR EQUAL. CLOSER - NORTON 8501 BFD / 900 BFD CAL ROYAL OR EQUAL THRESHOLD - PEMCO 271A OR EQUAL. DOOR BOTTOM - PEMCO 216AV OR EQUAL. WEATHERSTRIP - PEMCO 299AV OR EQUAL.										<b>ACCESSIBILITY SIGNAGE (BY DISTRICT)</b>  <p>ENTRY DOOR FROM EXTERIOR VIEW</p> <p><b>ANY AND ALL SIGNAGE AND ADA REQUIREMENTS ARE TO BE PROVIDED BY DISTRICT AND REFERED TO THE ARCHITECTURAL DRAWINGS.</b></p>					<b>ACCESSIBILITY SIGNAGE (AS REQUIRED - (BY DISTRICT))</b>  <p><b>NOTE:</b>            ATTACH SIGNS USING THREE (3) WOODSCREWS, COUNTERSUNK AND ADHESIVE SIGN SHALL BE CENTERED ON DOOR AND MOUNTED 60" ABOVE FLOOR. ATTACHMENT OF SIGN SHALL BE FULLY CONCEALED AND TAMPER RESISTANT.            RADIUS CORNERS            CLEAR ACRYLIC PLASTIC            OPAQUE WHITE ACRYLIC PLASTIC BACK            PAINT BACKGROUND OF INTERIOR FACE OF CLEAR PLASTIC</p> <p><b>TOILET SIGNAGE</b>            SYMBOLS SHALL BE CONTRASTING IN COLOR FROM THE DOOR.            1/4" THICK, 12" DIAMETER CIRCLE FOR BOTH WOMEN/UNISEX            1/4" THICK, 12" SIDES EQUILATERAL TRIANGLE FOR MEN</p>							REVISED									
<b>REVISIONS</b>										Electrical Engineer's Seal Mechanical Engineer's Seal Structural Engineer's Seal Architects Seal Division of the State Architect IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-266 AC 17 FLS 11 SS 6a DATE JUN 25 1996					MODTECH INC. 2830 BARRETT AVENUE PERRIS, CALIF. 92572 PH (909) 943-4014 FAX (909) 940-0427							PROJECT NUMBER: 2319 WALNUT WALLEY U.S.D. - STOCKPILE - VARIOUS SITES MODTECH, INC. drawn by: date: checked by: date: Modtech project no: MODTECH Index No. <b>A5.0</b>									

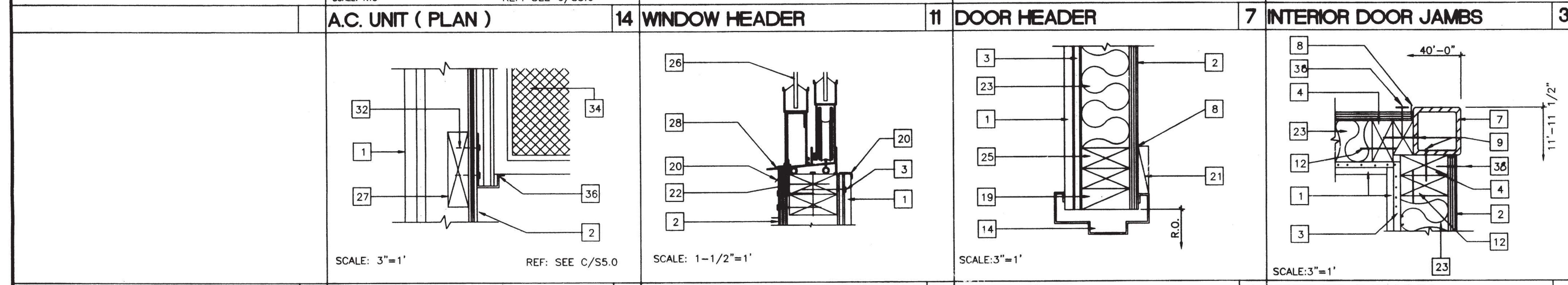
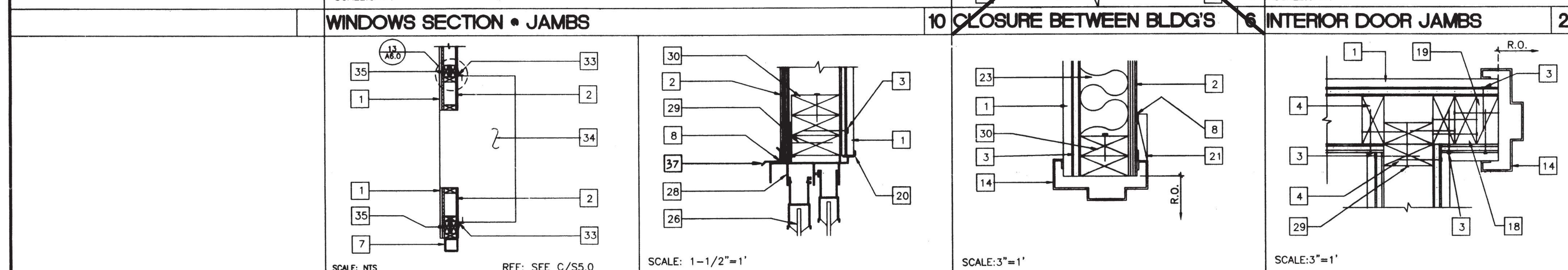
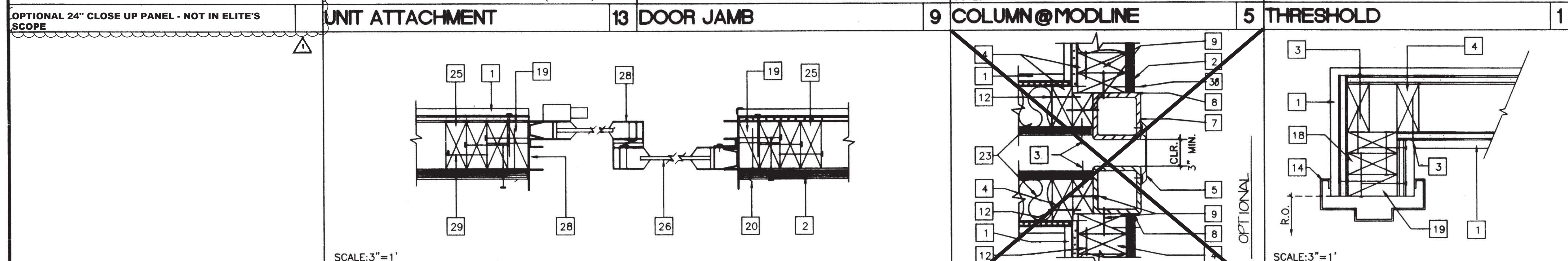
SCHEDULES

A5.0

PROJECT NO.



- KEY NOTES**
- 1 TYP. INTERIOR FINISH (SEE FINISH SCHEDULE.)
  - 2 TYP. EXTERIOR FINISH
  - 3 1/2" GYPSUM BOARD BACKING W/ 7d COOLER NAILS @ MAX 7" O.C. TYP. @ EA. STUD
  - 4 2X4 STUD TYP. @ 16" O.C. MAX.
  - 5 WIRE MESH CLOSURE. ATTACH TO COLUMN w/ #10 STMS @ 12" O.C.
  - 6 NOT USED
  - 7 TUBE STEEL COLUMN (SEE STRUCTURAL)
  - 8 SEALANT TYP. (SEE SPECS.)
  - 9 #10 S.T.S.M.S. @ MAX. 24" O.C. (ALT. HILT 0.145 SHOT PIN ) 2X FILLER TO COLUMN
  - 10 VINYL CLOSURE
  - 11 MODULE JOINT
  - 12 16d @ 24" O.C. FACE NAIL OR 16d @ 12" O.C. TOE NAIL (SEE SHT. S5.2 )
  - 13 FLOOR BEAM (SEE STRUCTURAL)
  - 14 PRESSED STEEL FRAME (K.D. TYPE SEE A5.0)
  - 15 ALUMINUM THRESHOLD (SEE HARDWARE SCHEDULE)
  - 16 FINISH LANDING SEE FLOOR PLAN & FOUNDATION FOR TYPE AND FINISH
  - 17 DOOR BOTTOM (SEE HARDWARE SCHEDULE)
  - 18 (2) 2X4 KING STUD NAILING SCHEDULE (SEE SHT. S5.1 FOR NAILING)
  - 19 2X4 TRIMMER (SEE SHT. S5.1 NAILING SCHEDULE FOR NAILING)
  - 20 CORNER MOLDING
  - 21 1x4 WOOD TRIM W/8d ELECTRO GALV. @ 12" O.C.
  - 22 2-2X4 SILL PLATE W/16D @ 16" O.C.
  - 23 INSULATION (SEE SPECS. FOR SIZE AND TYPE)
  - 24 FINISH FLOORING (SEE FINISH SCHEDULE SHT. A5.0)
  - 25 2X4 JAMB STUDS (SEE SHT. S5.1 DETAILS FOR NUMBER OF STUDS REQUIRED AND NAILING SCHEDULE FOR NAILING)
  - 26 WINDOW GLAZING (SEE WINDOW SCHEDULE SHEET A5.0)
  - 27 2 x 6 LET IN (SEE WALL FRAMING SHT. S5.0)
  - 28 ALUMINUM WINDOW FRAME WITH NAIL-ON FINISH. INSTALL W/MIN. 3" BLDG. PAPER BTWN. FIN. AND FRAMING. INSTALL WITH 8d @ MAX 24" O.C.
  - 29 16d BOX STAGGERED @ MAX 24" O.C.
  - 30 HEADER (SEE SHT. S5.1 WALL FRAMING DETAILS)
  - 31 DOOR (SEE DOOR SCHED.)
  - 32 6-3/8" @ x 2" GALV. LAG SCREWS
  - 33 L 1 1/2"x1 1/2"x1/8"x18" LONG (BY HVAC MFR) ATTACHED TO A/C W/4-#10 SELF TAPPING SHEET METAL SCREWS & ATTACH TO WALL W/3/8" x 2" GALV. LAG SCREWS.
  - 34 SIDE OF HVAC UNIT (SEE SHEET M-1)
  - 35 (3) 2X4 W/ PLYWOOD SPACER- BUILT- UP POST. 8d @ O.C. STAGGERED SPACER TO FIRST 2 X 4. 16 d @ 12" O.C. 2nd 2 X 4. 12d @ 12" O.C. STAGGERED 3rd. 2 x 4. ALTERNATE USE 4 X 4 POST.
  - 36 11GA X 24" STEEL SUPPORT BRACKET.
  - 37 DRIP FLASH
  - 38 8d EN @ 6" O.C.



- KEY NOTES**
- 1 TYP. INTERIOR FINISH (SEE FINISH SCHEDULE.)
  - 2 TYP. EXTERIOR FINISH
  - 3 1/2" GYPSUM BOARD BACKING W/ 7d COOLER NAILS @ MAX 7" O.C. TYP. @ EA. STUD
  - 4 2X4 STUD TYP. @ 16" O.C. MAX.
  - 5 WIRE MESH CLOSURE. ATTACH TO COLUMN w/ #10 STMS @ 12" O.C.
  - 6 NOT USED
  - 7 TUBE STEEL COLUMN (SEE STRUCTURAL)
  - 8 SEALANT TYP. (SEE SPECS.)
  - 9 #10 S.T.S.M.S. @ MAX. 24" O.C. (ALT. HILT 0.145 SHOT PIN ) 2X FILLER TO COLUMN
  - 10 VINYL CLOSURE
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  - 12 16d @ 24" O.C. FACE NAIL OR 16d @ 12" O.C. TOE NAIL (SEE SHT. S5.2 )
  - 13 FLOOR BEAM (SEE STRUCTURAL)
  - 14 PRESSED STEEL FRAME (K.D. TYPE SEE A5.0)
  - 15 ALUMINUM THRESHOLD (SEE HARDWARE SCHEDULE)
  - 16 FINISH LANDING SEE FLOOR PLAN & FOUNDATION FOR TYPE AND FINISH
  - 17 DOOR BOTTOM (SEE HARDWARE SCHEDULE)
  - 18 (2) 2X4 KING STUD NAILING SCHEDULE (SEE SHT. S5.1 FOR NAILING)
  - 19 2X4 TRIMMER (SEE SHT. S5.1 NAILING SCHEDULE FOR NAILING)
  - 20 CORNER MOLDING
  - 21 1x4 WOOD TRIM W/8d ELECTRO GALV. @ 12" O.C.
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  - 29 16d BOX STAGGERED @ MAX 24" O.C.
  - 30 HEADER (SEE SHT. S5.1 WALL FRAMING DETAILS)
  - 31 DOOR (SEE DOOR SCHED.)
  - 32 6-3/8" @ x 2" GALV. LAG SCREWS
  - 33 L 1 1/2"x1 1/2"x1/8"x18" LONG (BY HVAC MFR) ATTACHED TO A/C W/4-#10 SELF TAPPING SHEET METAL SCREWS & ATTACH TO WALL W/3/8" x 2" GALV. LAG SCREWS.
  - 34 SIDE OF HVAC UNIT (SEE SHEET M-1)
  - 35 (3) 2X4 W/ PLYWOOD SPACER- BUILT- UP POST. 8d @ O.C. STAGGERED SPACER TO FIRST 2 X 4. 16 d @ 12" O.C. 2nd 2 X 4. 12d @ 12" O.C. STAGGERED 3rd. 2 x 4. ALTERNATE USE 4 X 4 POST.
  - 36 11GA X 24" STEEL SUPPORT BRACKET.
  - 37 DRIP FLASH
  - 38 8d EN @ 6" O.C.
- NOTES**
1. EN 8d ELECTRO GALV. @ 6" O.C.
  2. FN 8d ELECTRO GALV. @ 12" O.C.
  3. SEE SHEET S5.1 FOR TYPICAL WALL FRAMING NAILING

<b>REVISIONS</b>		Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	Division of the State Architect	PROJECT NUMBER: 2319	© MODTECH, INC.	drawn by: date: checked by: date: Modtech project no: MODTECH Index No.
▲	ADDED OPT. CLOSE UP PANEL DTL	12/19				IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES <b>PC-266</b> DATE JUN 25 1996	WALNUT VALLEY U.S.D. - STOCKPILE - VARIOUS SITES		APPL 66237 DATE 10/29/96
▲						MODTECH INC. 2830 BARRETT AVENUE PERRIS, CALIF. 92572 PH (909) 943-4014 FAX (909) 940-0427			<b>A6.0</b>

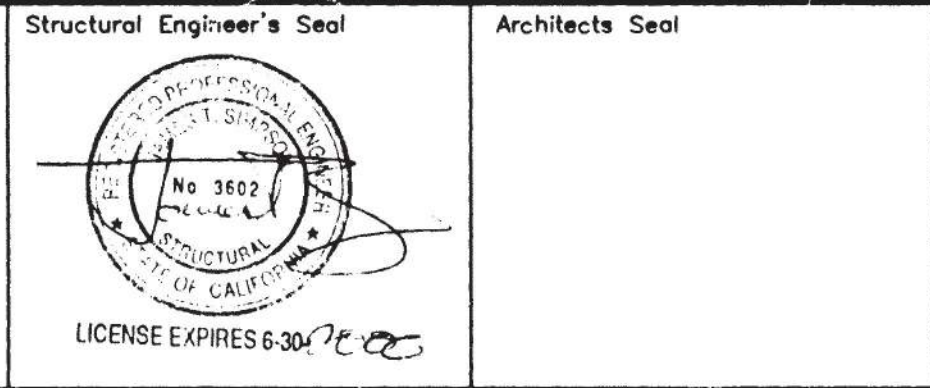
**ARCHITECTURAL DETAILS**



		<p>SCALE: 4"=1'</p>	<p>SCALE: 3"=1'</p>	<p>SCALE: 1 1/2"=1'-0"</p>	<p><b>KEY NOTES</b></p> <ol style="list-style-type: none"> <li>1 TYP. INTERIOR FINISH</li> <li>2 TYP. EXTERIOR FINISH</li> <li>3 E.N. RF. PLYWOOD TO BEAM (STR) (DO NOT PENETRATE METAL ROOFING)</li> <li>4 2X4 STUD TYP.</li> <li>5 CAP CLOSURE @ RIDGE 26GA. GALV. W/#10 STSMS @ 12" TAGGER W/NEOPRENE WASHERS TO RIB BOTH SIDES OF MODLINE SET CAP IN SEALANT.</li> <li>6 TUBE STEEL (STR)</li> <li>7 #10 S.T.S.M.S. @ 6" O.C. EN. &amp; 12" O.C. FN. / ALT. USE AEROSMITH AKN 144.0175 DRIVE PIN.</li> <li>8 SEALANT TYP. (SEE SPECIFICATIONS)</li> <li>9 EXTERIOR WALL (SEE S5.2 FOR CONNECTIONS)</li> <li>10 SOFFIT (SEE SPECIFICATIONS)</li> <li>11 ROOF BEAM (STR)</li> <li>12 .080 X 1 1/2" SCREW SHANK NAILS ROOF CLIP TO ROOF DECKING (SEE NOTE 15 FOR ROOF CLIP)</li> <li>13 PLYWOOD ROOF SHEATHING (STR)</li> <li>14 FULL DEPTH STIFFENER PLATE (SEE STR FOR LOCATION)</li> <li>15 ANCHOR CLIPS @ 24" O.C. &amp; WITHIN 6" @ END OF ROOF DECKING</li> <li>16 ROOF HEADER (STR)</li> <li>17 G.I. FLASHING 22GA.</li> <li>18 STANDING SEAM ROOF (SEE A2.0 FOR GA.)</li> <li>19 ROOF PURLIN (STR)</li> <li>20 CONTINUOUS 2X4 TOP PLATE</li> <li>21 GALV. FLASHING (ONLY AT CONCRETE BELOW GRADE FOUNDATION)</li> <li>22 CONTINUOUS 26GA. GUTTER</li> <li>23 WEATHERPROOF MEMBRANE (25-30LBS. ASPHALT COATED)</li> <li>24 FLOOR BEAM (STR)</li> <li>25 2X4 SILL PLATE ATTACHED PER 4/S5.2</li> <li>26 SEALANT @ END OF SEAM</li> <li>27 ATTACHMENT BRACKET (TYP. 3-PLACES, TOP, BTM., &amp; MIDSPAN W/2-#10STSMS BRACKET TO COLUMN)</li> <li>28 POP RIVETS MIN. 1/8"Ø</li> <li>29 DOWNSPOUT</li> <li>30 PLYWOOD FLOOR SHEATHING</li> <li>31 ROOF FACIA HEADER (STR)</li> <li>32 1/2"X1 1/2"X14GA. &lt; TACK WELD IN PLANT</li> <li>33 GALVANIZED COUNTER FLASHING (BY OTHERS)</li> <li>34 EN (8d ELECTRO GALV. @ 6" O.C.)</li> </ol>
	<p>SCALE: 3"=1'</p>	<p><b>CONTIN'S GUTTER</b> 8</p>	<p>SCALE: 3"=1'</p>	<p><b>END WALL AT ROOF</b> 1</p>	
	<p>SCALE: 3"=1'</p>	<p><b>CONTIN'S GUTTER AT BEND</b> 9</p>	<p>SCALE: FULL SEE 11/A6.1</p>	<p>SCALE: 3"=1'</p>	<p><b>5 GUTTER AT RF. FACIA BM.</b> 2</p>
	<p>SCALE: 3"=1'</p>	<p><b>CONTIN'S GUTTER AT BEND</b> 10</p>	<p>SCALE: 3"=1'</p>	<p>SCALE: 3"=1'</p>	<p><b>6 ROOF FLASHING AT RF. BM.</b> 3</p>
		<p>SCALE: 3"=1'</p>	<p><b>REVIS</b> 11</p>	<p>SCALE: 3"=1'</p>	<p><b>7 TYPICAL SILL AT FLOOR</b> 4</p>

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 Structural Engineer's Seal  
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 DATE: JUN 25 1996

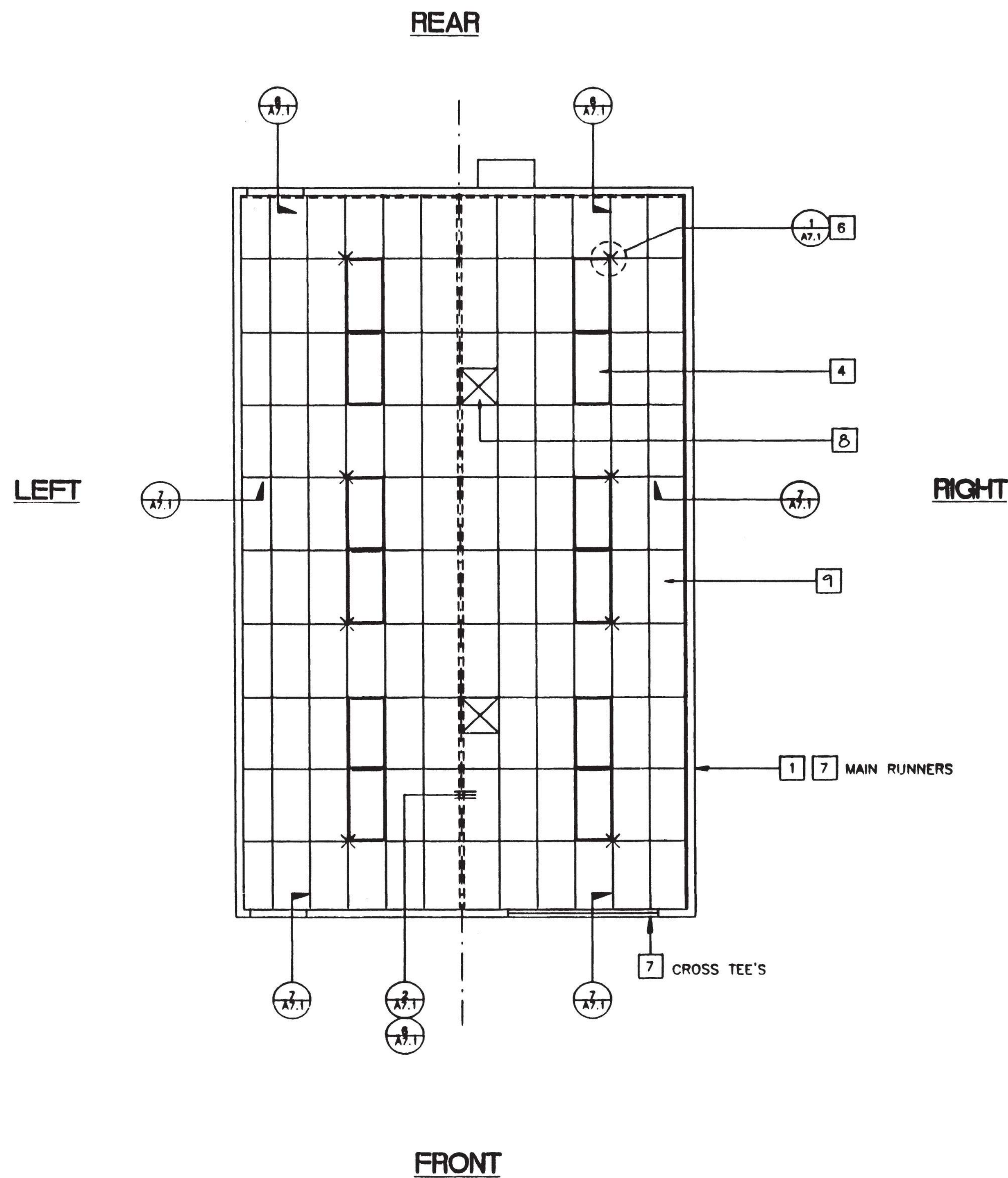
**MODTECH INC.**  
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PROJECT NUMBER: 2319  
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 WALNUT VALLEY U.S.D. - STOCKPILE - VARIOUS SITES

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 date: 10/29/23  
 checked by: [Signature]  
 date: 10/29/23  
 project no: [Signature]  
 MODTECH Index No. [Signature]

**ARCHITECTURAL DETAILS** **A6.1**

PROJECT NO. PC-266 A6.1 DWG



**REFLECTED CEILING PLAN**

24' X 40'

SCALE 1/4"=1'-0"

**KEY NOTES**

- 1 MAIN RUNNERS @ 4'-0" W/12GA. HANGER WIRES @ END OF EACH RUNNER.
- 2 NOT USED
- 3 NOT USED
- 4 PROVIDE 2-12GA. SLACK WIRES TO HOUSING OF ALL LIGHT FIXTURES AT DIAGONAL CORNERS. WIRES SHALL BE ATTACHED TO STRUCTURE OF LIGHT FIXTURES: 2' X 4' RECESSED. ATTACH FIXTURE TO GRID W/1-#8 SHEET METAL SCREW AT EACH CORNER.
- 5 NOT USED
- 6 CEILING AREAS SHALL HAVE 4-WAY SPLAYS PER DETAIL 1 ON SHEET A7.1 IN LOCATIONS INDICATED ON DRAWING WIRES TAUT BUT NOT TO DISTORT GRID.
- 7

T-BAR PART NUMBERS			
	APPROXIMATE PA-Q41	SEALING R-47	USE R-47
RUNNER MAIN	7301	200	DS 26
4" CROSS TEE	7342	1210	DX 422
2" CROSS TEE	732B	1226	DX 216
WALL ANGLE	7800	1420-01	M-7

- 8 REGISTERS SHALL BE POSITIVELY ATTACHED W/4-10GA SHEET METAL SCREWS. (TYP. 1- @ EA. CORNER)
- 9 CEILING PANELS: 2 X 4 LAY-IN PANELS. ASTM FLAME SPREAD CLASS 1 (0-25). FLAME SPREAD SMOKE DEVELOPMENT DENSITY LESS THAN 450 (TYP)

**NOTES**

1. AT THE END OF ROWS OF RUNNERS A 12GA. HANGER WIRE SHALL BE ATTACHED WITHIN 8" OF WALL OR SOFFIT.
2. VERTICAL WIRES MORE THAN 1-IN-6 OUT OF PLUMB SHALL HAVE COUNTERBRACING WIRES
3. RUNNERS MAY BE ATTACHED TO WALLS OR MOLD AT 2-ADJACENT WALLS. OTHER WALLS NO ATTACHMENT. CLEARANCE OF 1/2" BETWEEN END OF RUNNERS AND FACE OF WALL.
4. DUCTWORK SHALL BE RIGIDLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 6" TO HANGER WIRES.

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**LEGEND**

- T & T BAR CEILING
- 2' X 4' ELEC. FIXTURE RECESSED
- SUPPLY AIR DIFFUSER
- SPLAY WIRE
- INDICATES FIXED SIDE (SEE DETAIL 7/A7.1)
- INDICATES FREE SIDE (SEE DETAIL 6/A7.1)

**REVISIONS**

NO.	DESCRIPTION	DATE

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architect's Seal

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**MODTECH INC.**  
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PROJECT NUMBER: 2319

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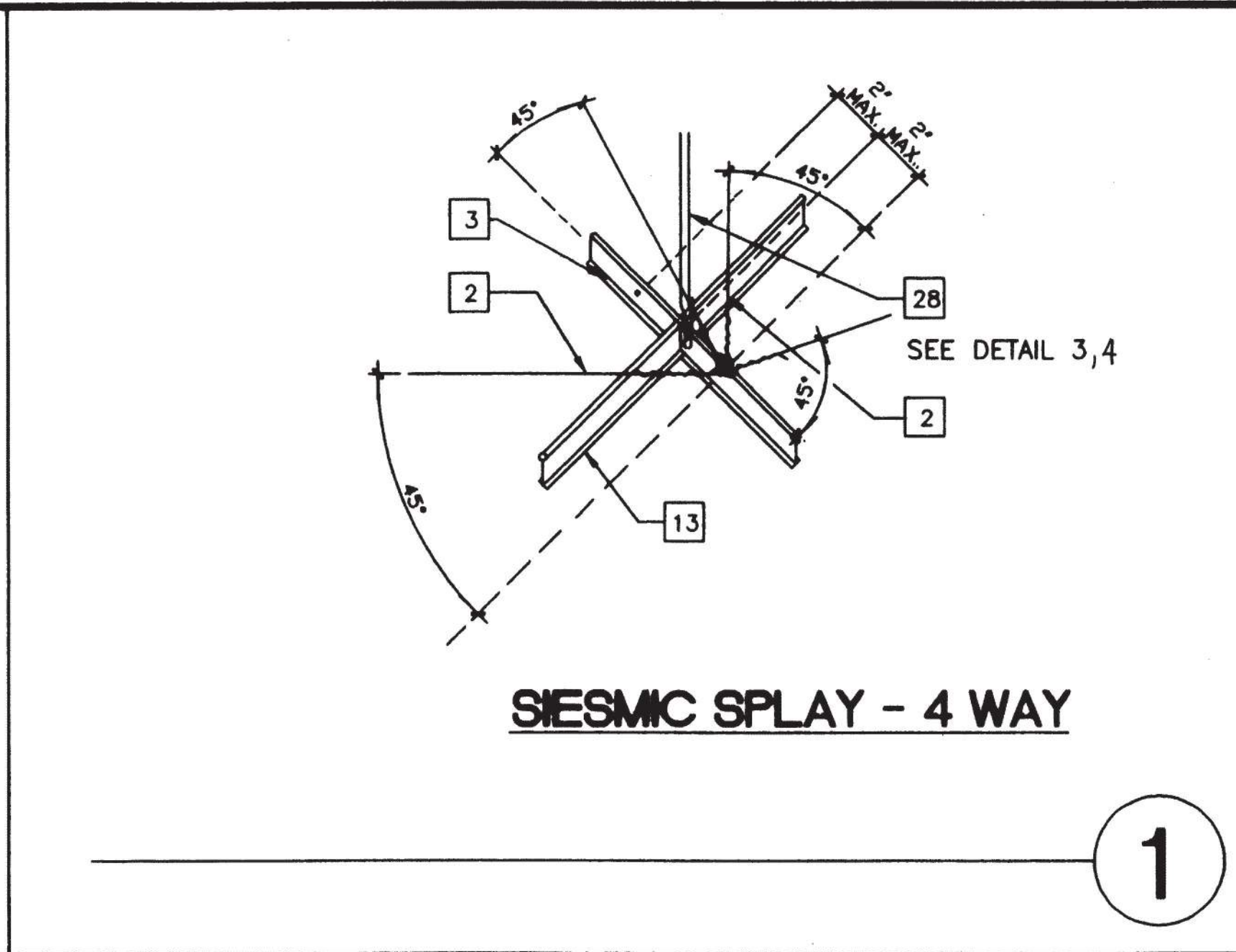
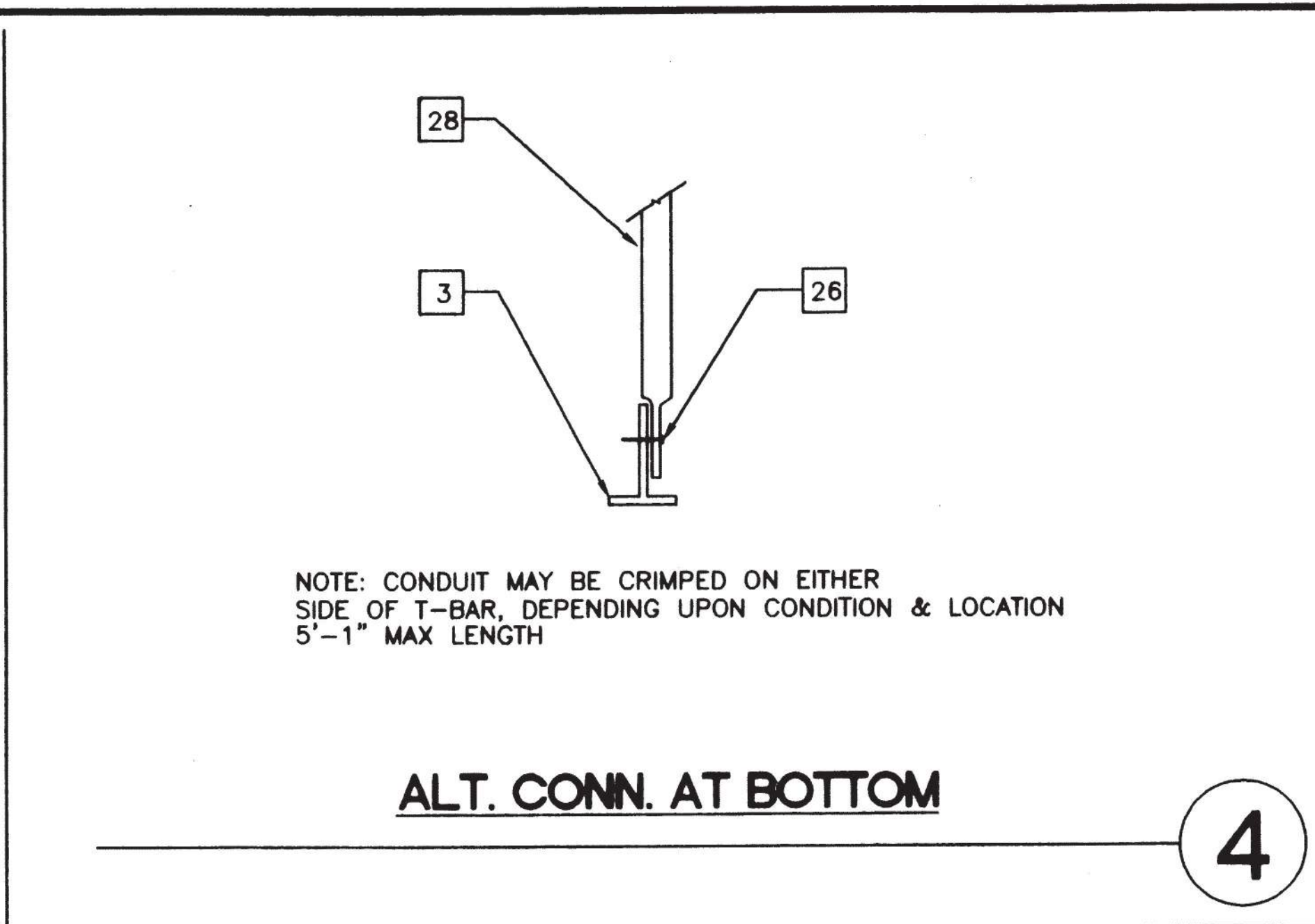
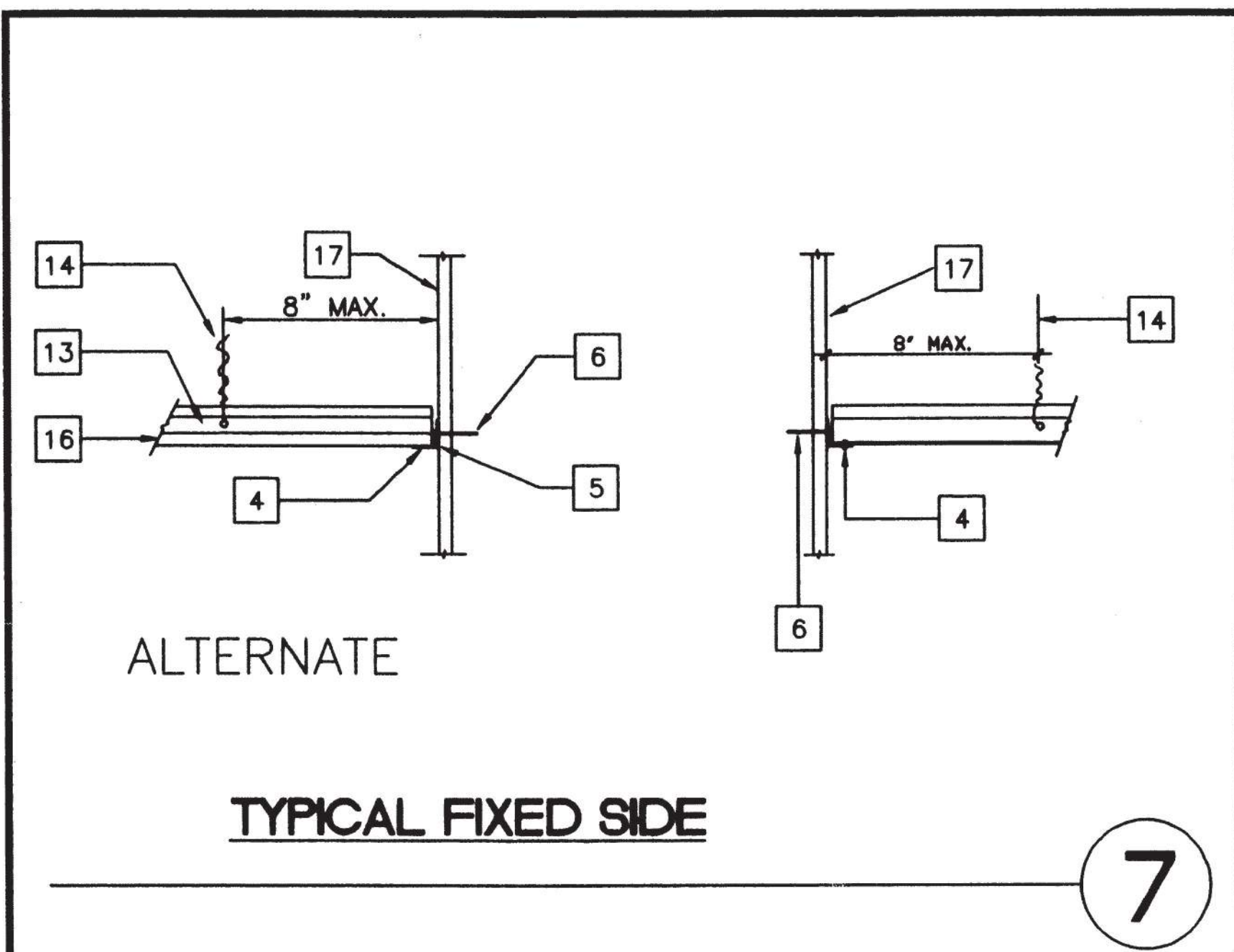
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 checked by  
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 MODTECH index no.

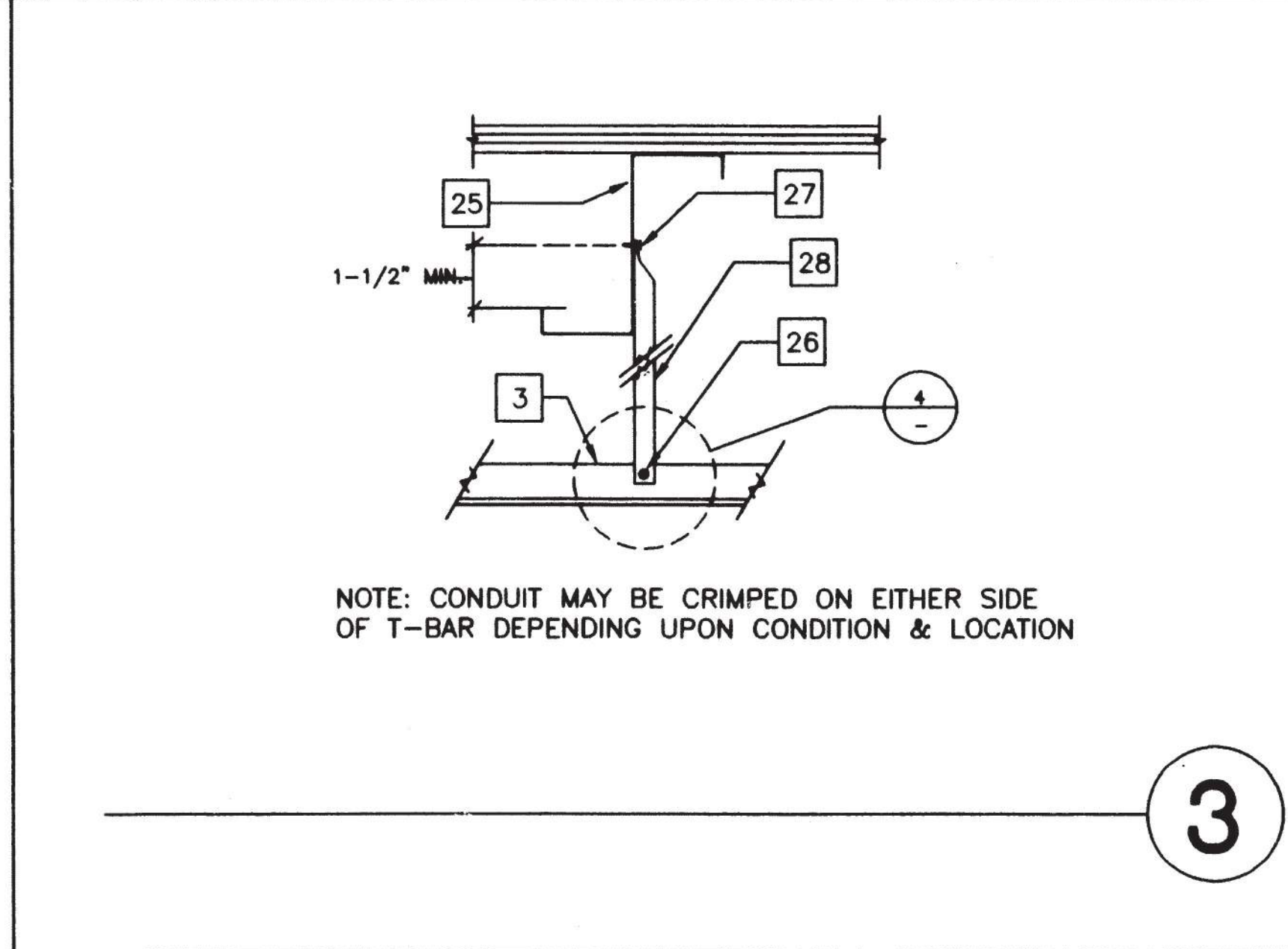
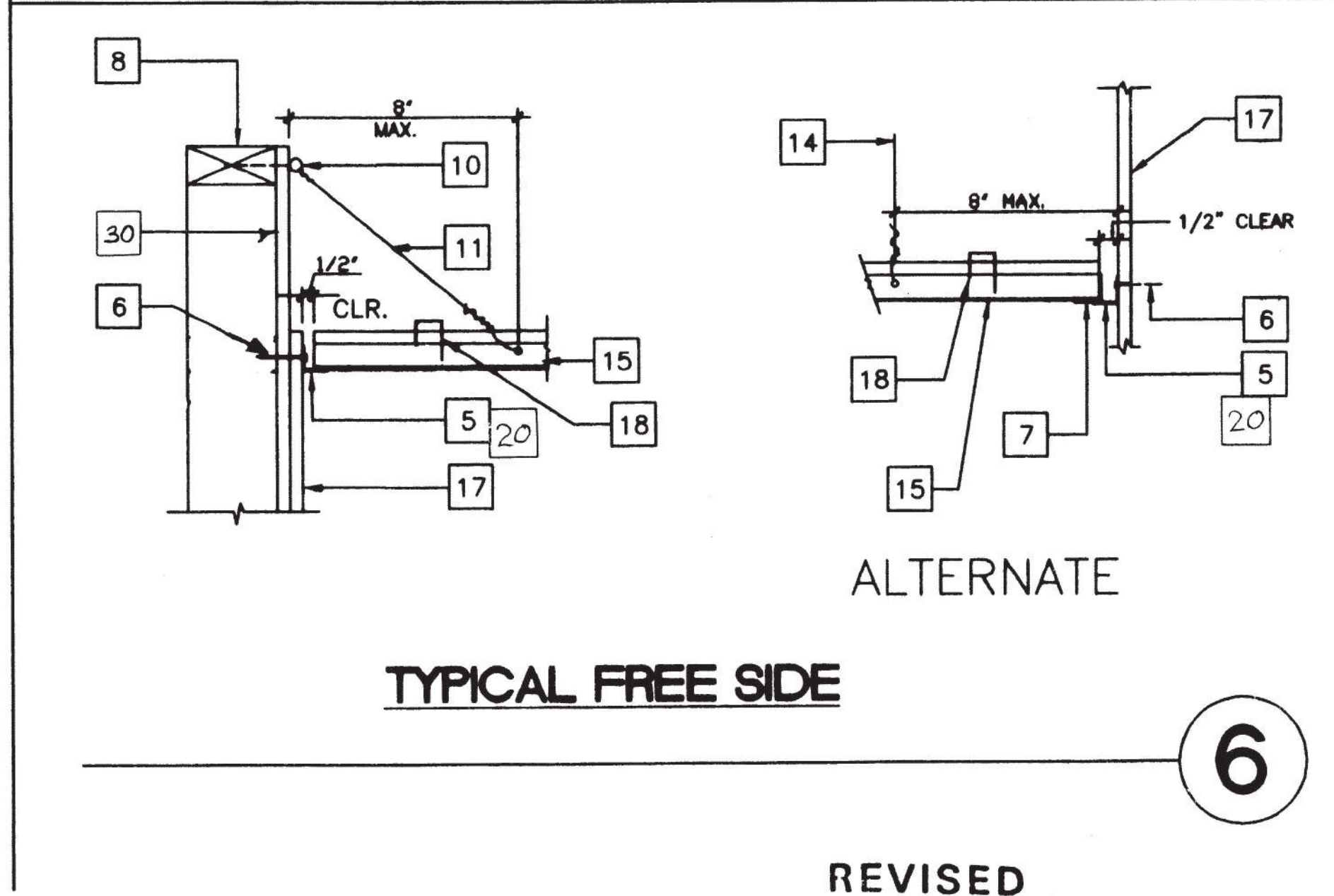
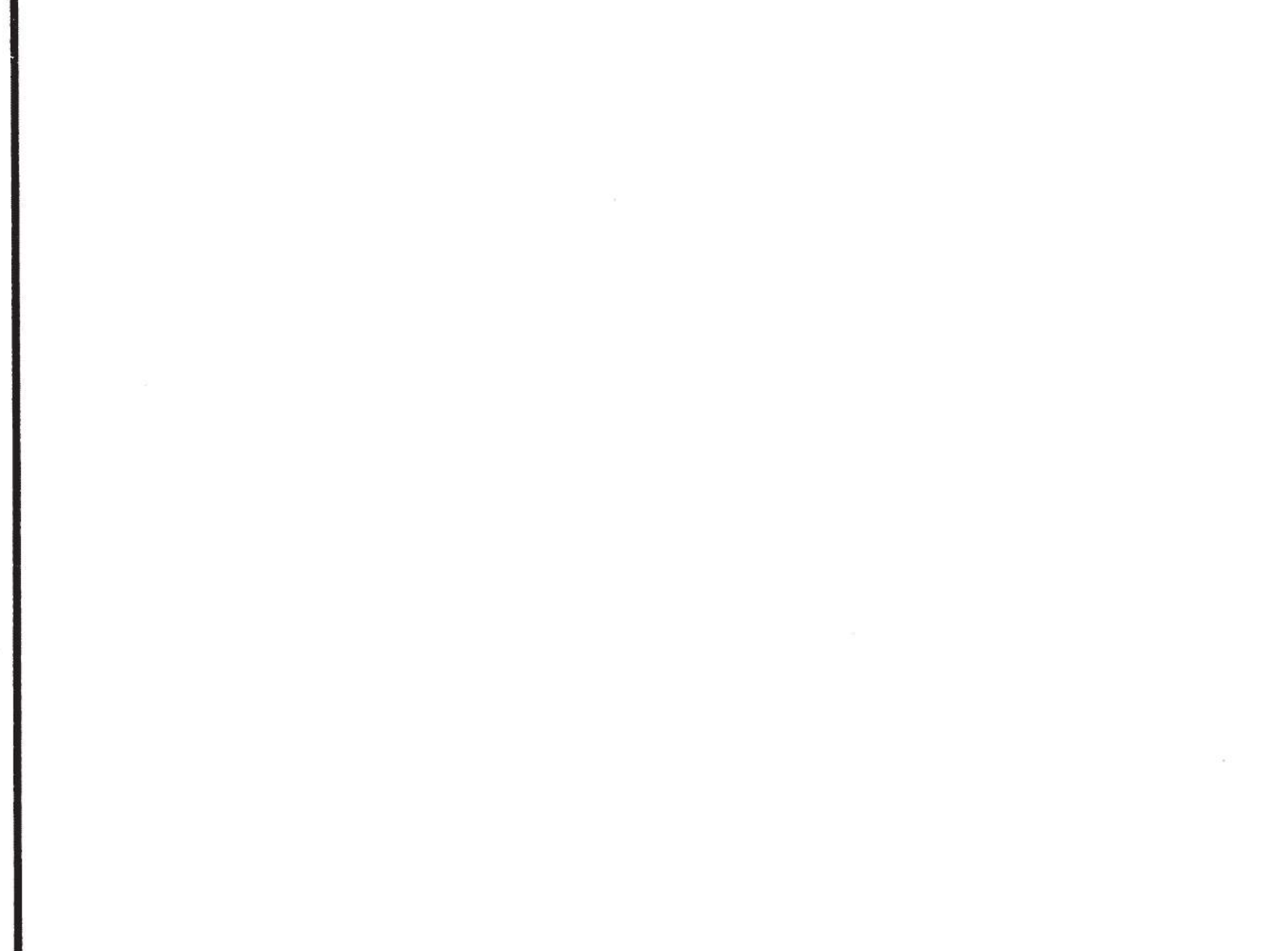
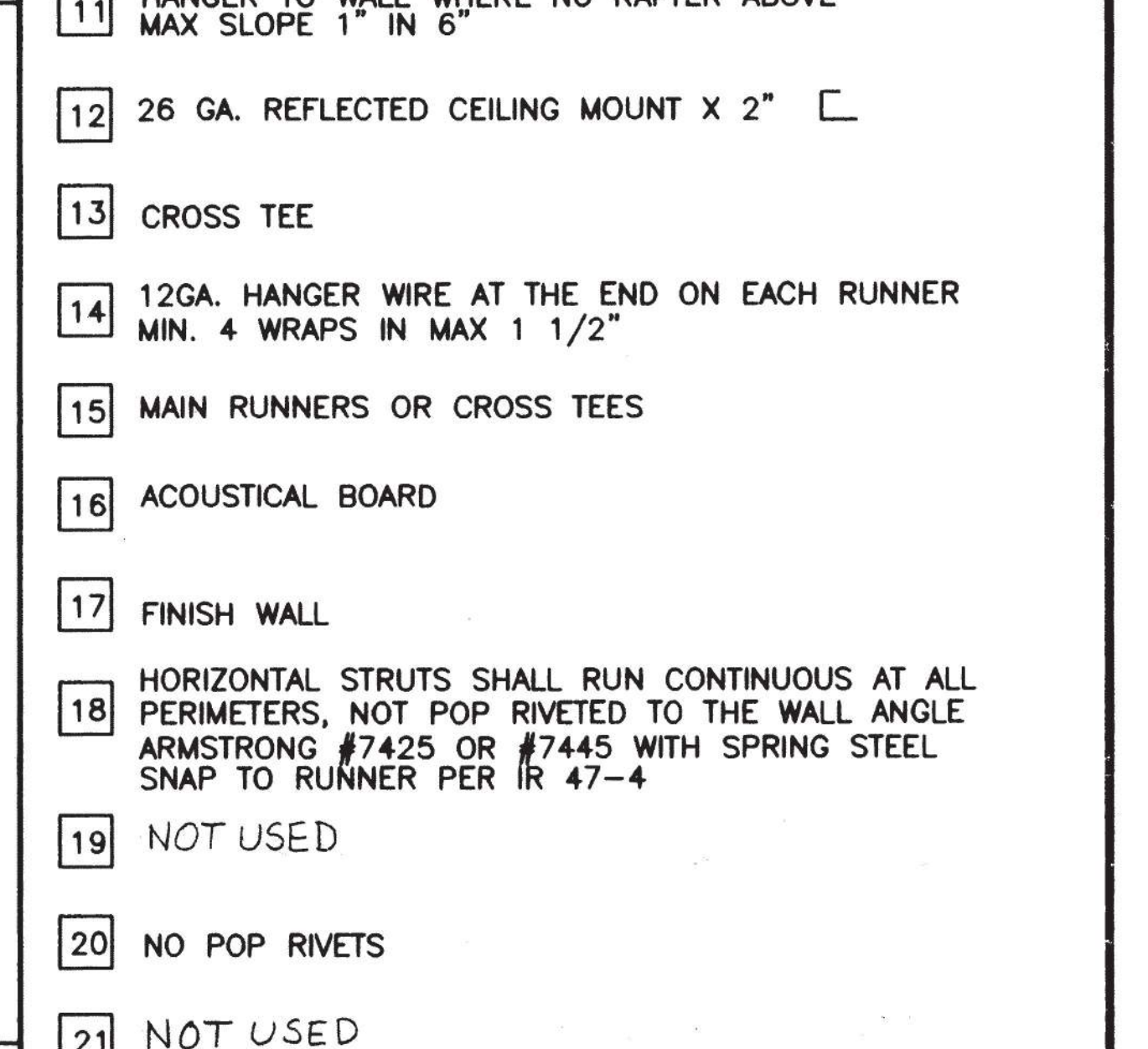
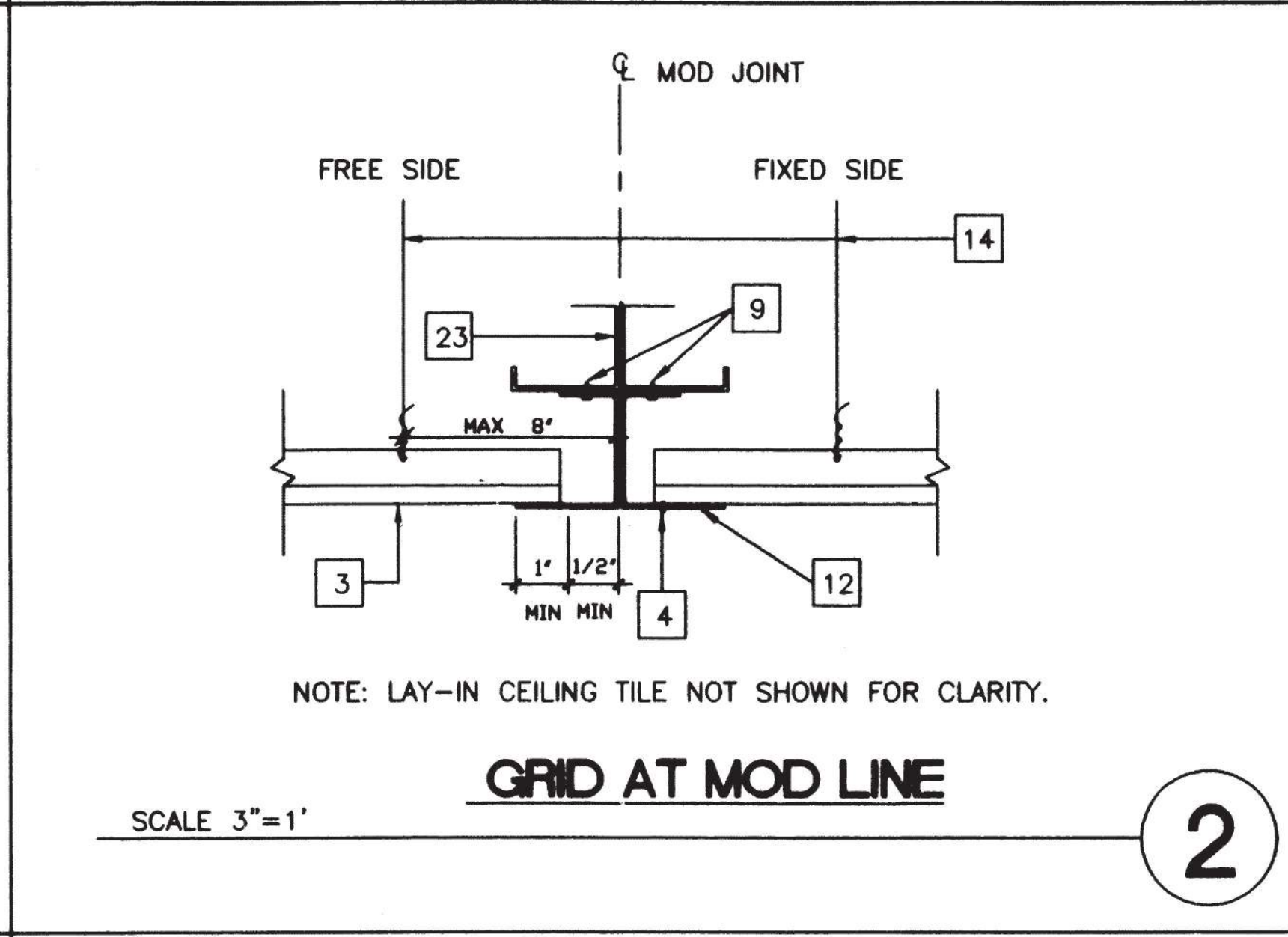
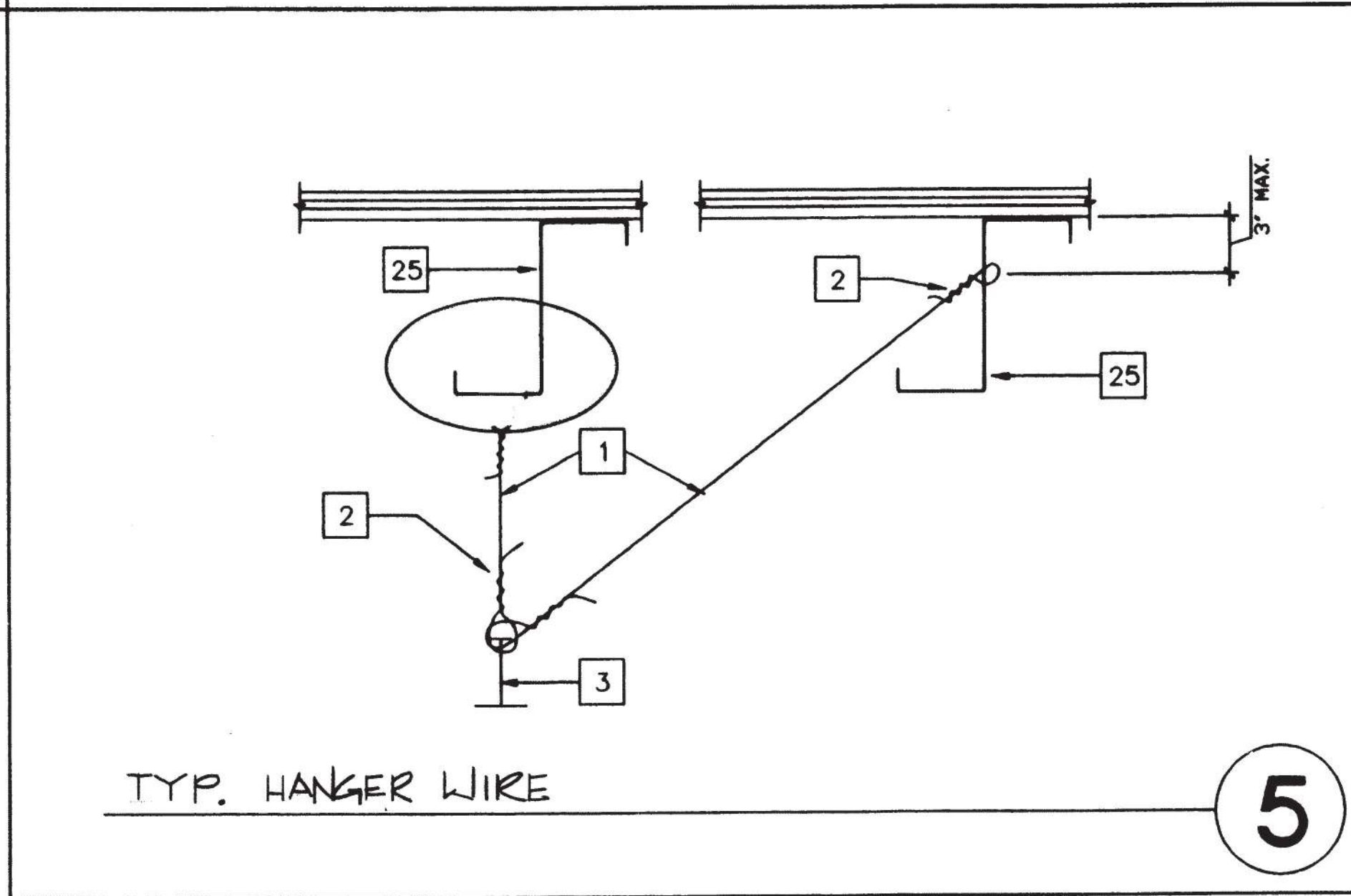
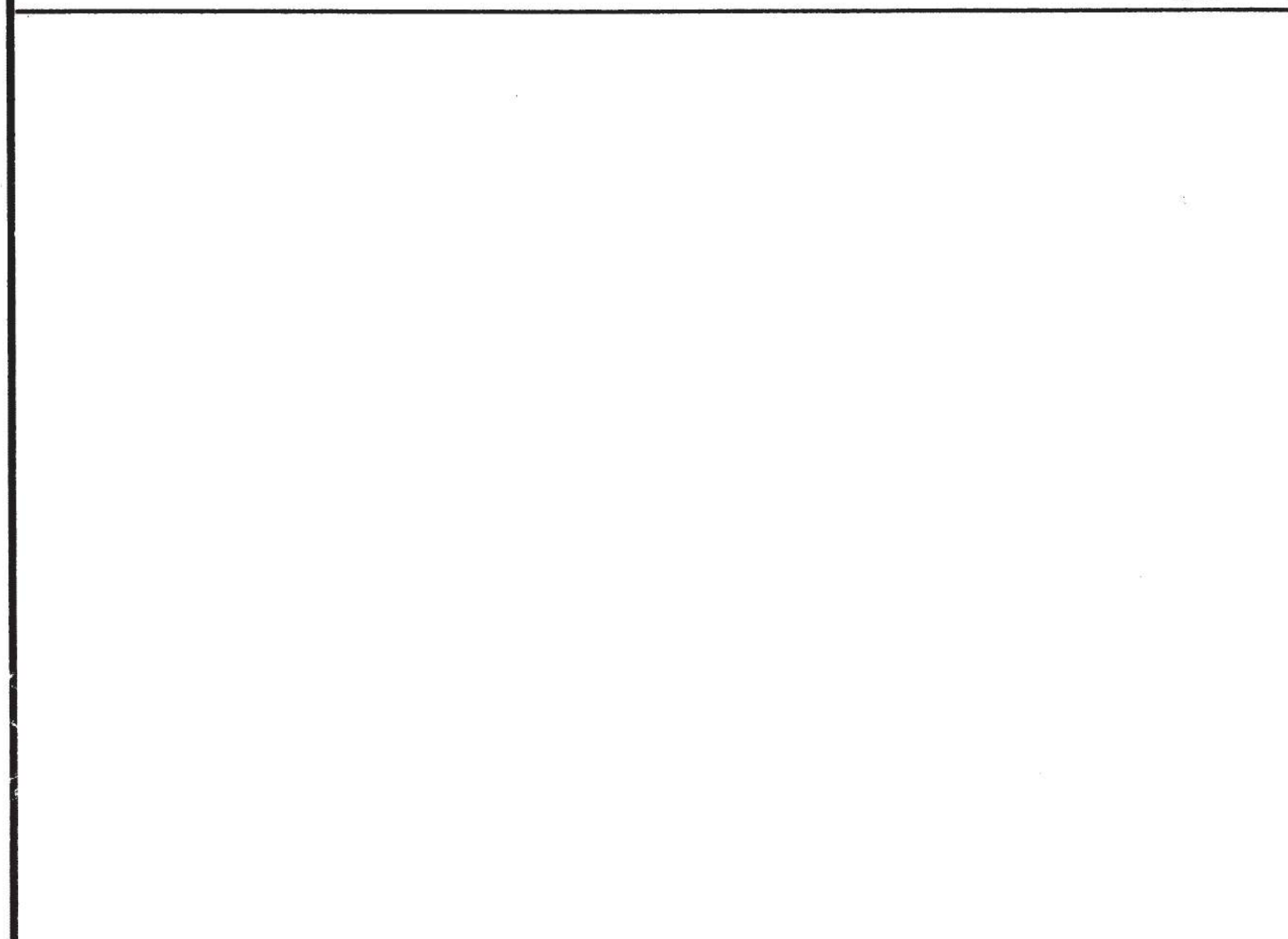
**REFLECTED CEILING PLAN**

**A7.0**

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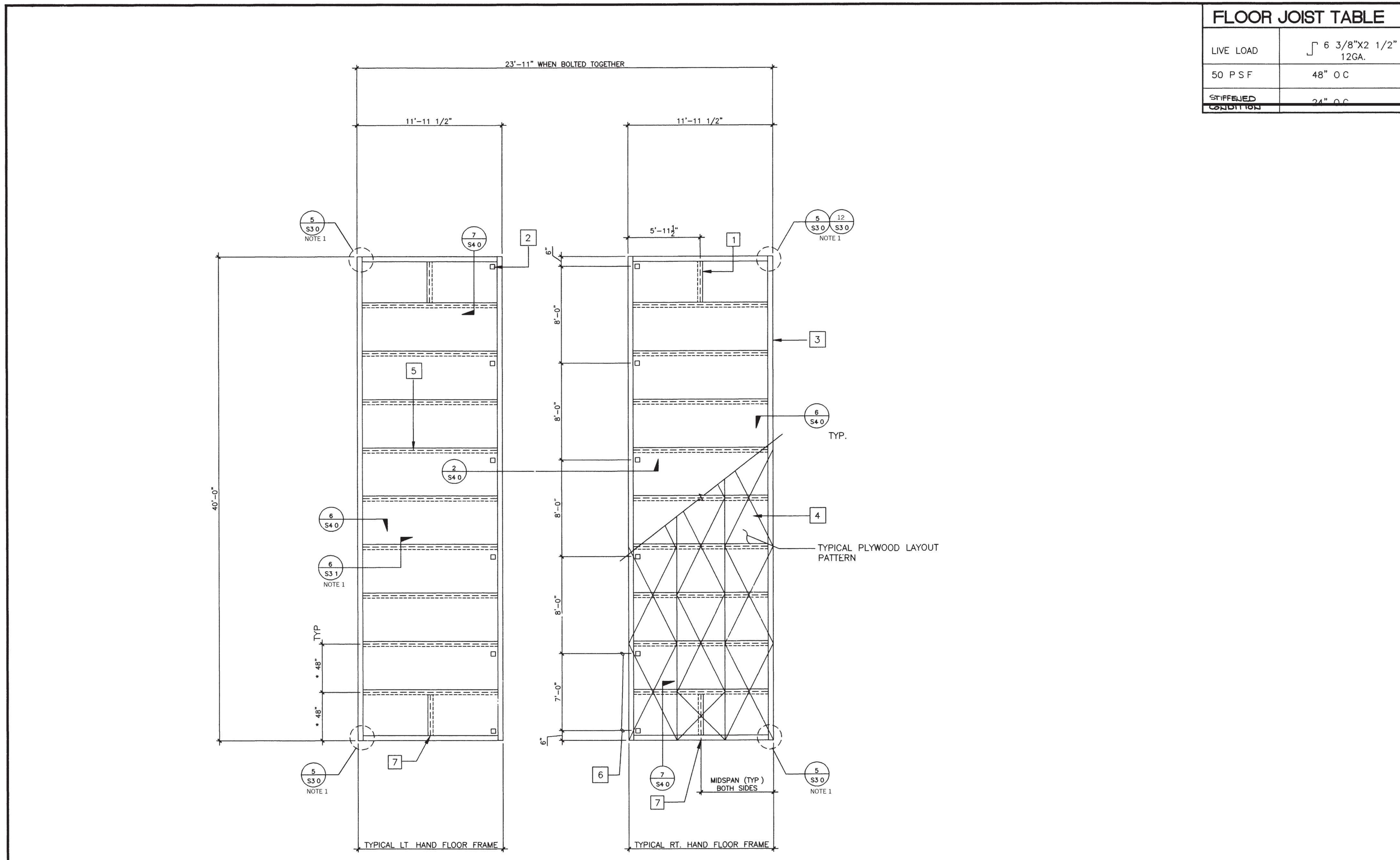


- KEY NOTES**
- 1 12GA. HANGER WIRE @ 4'-0" O.C. IN PUNCHED OR DRILLED HOLE
  - 2 12GA. WIRE WITH 4 WRAPS IN 1 1/2" (TYP.) WIRE TO RUN PERPENDICULAR TO MAIN TEE
  - 3 MAIN RUNNER
  - 4 1/8" POP RIVET TO EACH T-BAR
  - 5 WALL ANGLE - OPTION TO WALL ANGLE (BERC2 CLIP)
  - 6 6d 16" FRAMING TO WALL STUD
  - 7 ANGLE WITH 1/8" POP RIVET TO EACH T-BAR NO CONNECTION TO WALL ANGLE
  - 8 TOP PLATE
  - 9 #10 S.T.S.M.S. @ 4' O.C.
  - 10 3"x1/4" EYED SCREW W/2" EMBEDMENT
  - 11 HANGER TO WALL WHERE NO RAFTER ABOVE MAX SLOPE 1" IN 6"
  - 12 26 GA. REFLECTED CEILING MOUNT X 2" C
  - 13 CROSS TEE
  - 14 12GA. HANGER WIRE AT THE END ON EACH RUNNER MIN. 4 WRAPS IN MAX 1 1/2"
  - 15 MAIN RUNNERS OR CROSS TEES
  - 16 ACOUSTICAL BOARD
  - 17 FINISH WALL
  - 18 HORIZONTAL STRUTS SHALL RUN CONTINUOUS AT ALL PERIMETERS, NOT POP RIVETED TO THE WALL ANGLE ARMSTRONG #7425 OR #7445 WITH SPRING STEEL SNAP TO RUNNER PER IR 47-4
  - 19 NOT USED
  - 20 NO POP RIVETS
  - 21 NOT USED
  - 22 NOT USED
  - 23 NOT USED
  - 24 NOT USED
  - 25 ROOF PURLIN
  - 26 CRIMP CONDUIT AND ATTACH TO T-BAR GRID W/#8 TEKSCREWS
  - 27 CRIMP CONDUIT TO RAFTER W/2-#8 TEKSCREW
  - 28 3/4" E.M.T. CONDUIT
  - 29 NOT USED
  - 30 EXTEND GYP BRD TO ROOF



- REVISIONS**
- | NO. | DESCRIPTION | DATE |
|-----|-------------|------|
| 1   |             |      |
| 2   |             |      |
| 3   |             |      |
| 4   |             |      |
| 5   |             |      |
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 2830 BARRETT AVENUE  
 PERRIS, CALIF. 92572  
 PH (909) 943-4014  
 FAX (909) 940-0427
- PROJECT NUMBER: 2319  
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- PROJECT NO. PC-266





FLOOR JOIST TABLE	
LIVE LOAD	6 3/8" X 2 1/2" 12GA. 12GA.
50 PSF	48" O C
STIFFENED CONDITION	24" O C

- KEY NOTES**
- 6 3/8 X 2 1/2 X 12GA. BLOCKING AT MIDSPAN OF FLOOR HDR TYPICAL
  - 5" SQ HAND HOLES AT BOLT BM TO BM (12 PLACES)
  - C 7X9.8 FLOOR BEAM (PERIMETER CHANNEL) (TYPICAL)
  - PLYWOOD FLOOR SHEATHING. APA PS 1-83 1 1/8" THICK, STURD-I-FLOOR W/48" O.C. SPAN RATING. ATTACHED W/#10 X 1 3/4" SELF-TAPPING FLAT HEAD SCREWS AT 6" O.C. TO PERIMETER FRAME, AEROSMITH AKN 144.0175 DRIVE PINS AT 6" O.C SUPPORTED EDGES AND 6" O.C FIELD TO JOIST (TYPICAL)
  - 6 3/8 X 2 1/2 X 12GA FLOOR PURLIN @ 48" O.C. (HNO SEE FLR. JOIST TABLE)
  - TYPICAL BOLT HOLE LOCATION (SEE 2/S4 0)
  - 11/16" Ø HOLE @ MIDDEPTH FOR HANDLING

**NOTES**

- FOR MONO PITCH ROOF BLDG'S SEE SA3.0, SA3.1

• SEE FLOOR JOIST TABLE FOR APPROPRIATE SPACING PER JOB.

## END MODULES FRAMING PLAN

FLOOR LIVE LOAD - 50 PSF

SCALE 1/4"=1'-0"

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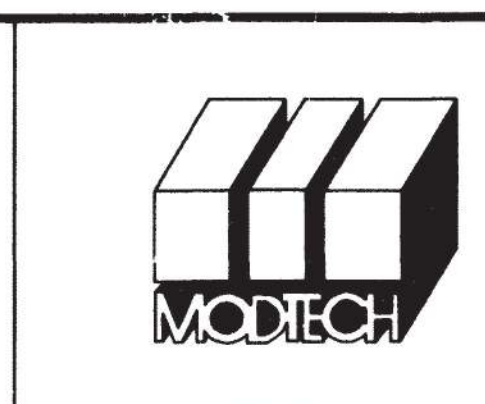
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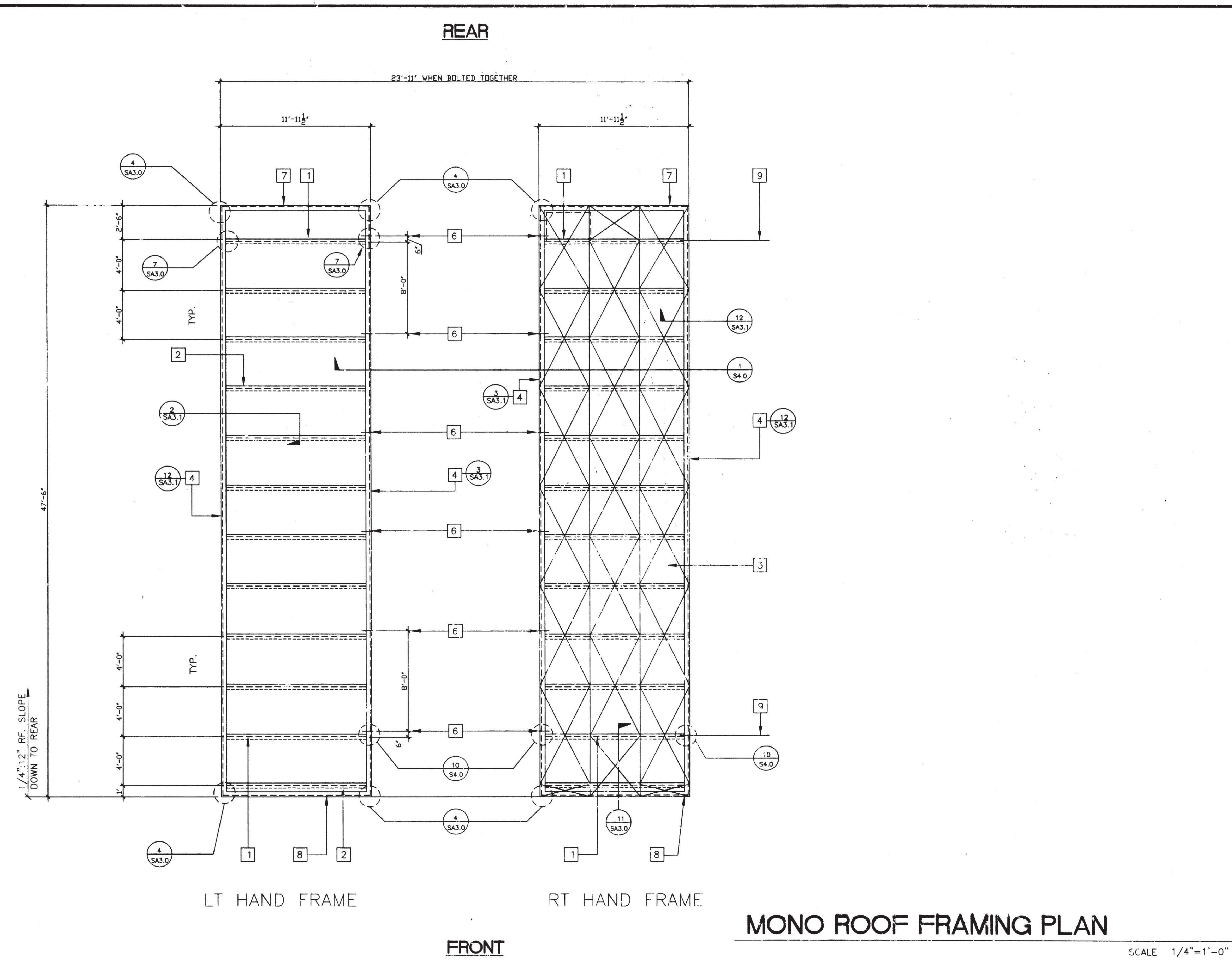
## FLOOR FRAMING PLAN

**S1.0**

FILE # P266 S10.DWG

PROJECT NO. PC-266

FILE # 7-455 SA2.0.DWG



- KEY NOTES**
- 1 C 14 X 12GA.  HEADER
  - 2  4 X 3 X 12 GA.
  - 3 PLYWOOD ROOF SHEETING 3/4" CD EXPOSURE 1 P.I.I 48/24 PSI-83 PLYCLIPS AT 16" O.C. LONG EDGES. #10-1-1/4" SELF TAPPING FLAT HEAD SCREWS AT 6" O.C. TO PERIMETER FRAME. AEROSMITH AKN 144.0175 DRIVE PINS AT 6" O.C. AT SUPPORTED EDGES AND 6" O.C. FIELD TO PURLINS. PLYWOOD PATTERN SHOWN IS TYPICAL THRU OUT. \*(ALTERNATE: USE AEROSMITH AKN 144.0175 DRIVE PINS AT 6" O.C. PERIMETER)
  - 4 TAPERED ROOF BEAM 10GA.  SEE 7/S3.1
  - 5 NOT USED
  - 6 11/16" DRILL SEE DETAIL 1/S4.0
  - 7  13 3/8"X14GA. FACIA @ 2' OVERHANG
  - 8  10" X 12 GA. ROOF FASCIA @ 5' OVERHANG
  - 9 E.N. THIS LINE
  - 10 8"x3 1/2" x 14 GA. ROOF OVERHANG BEAM

**MONO ROOF FRAMING PLAN**

SCALE 1/4"=1'-0"

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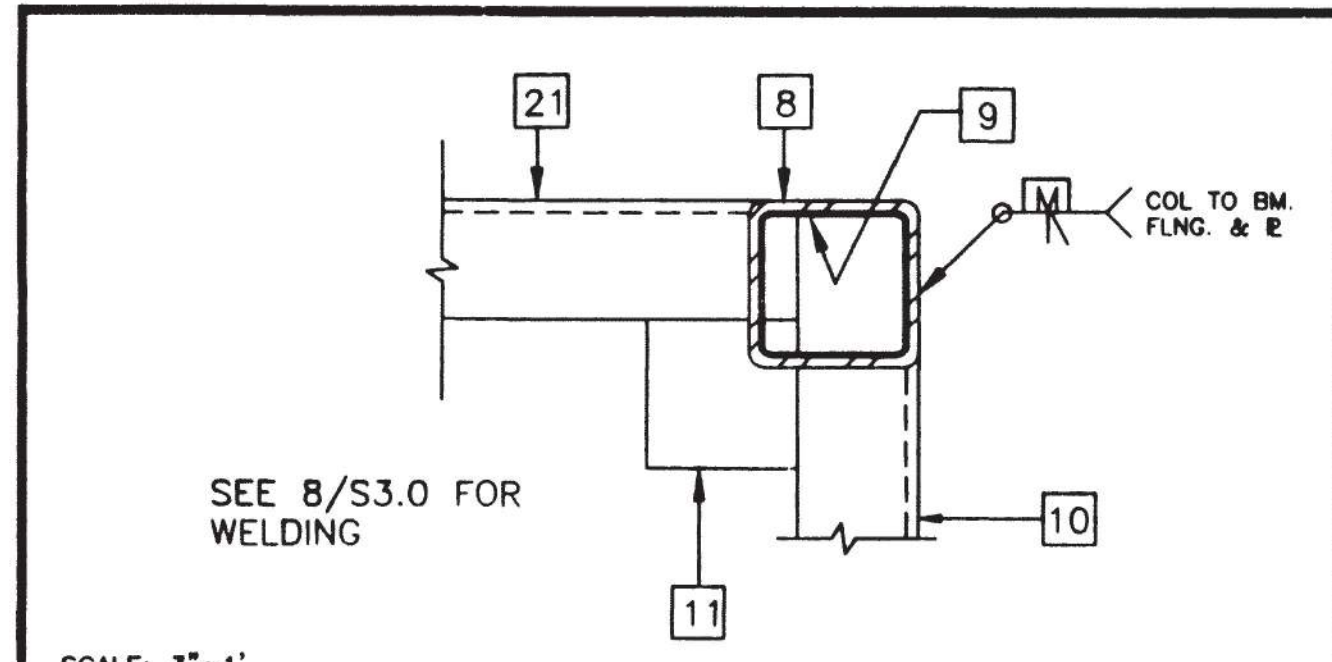
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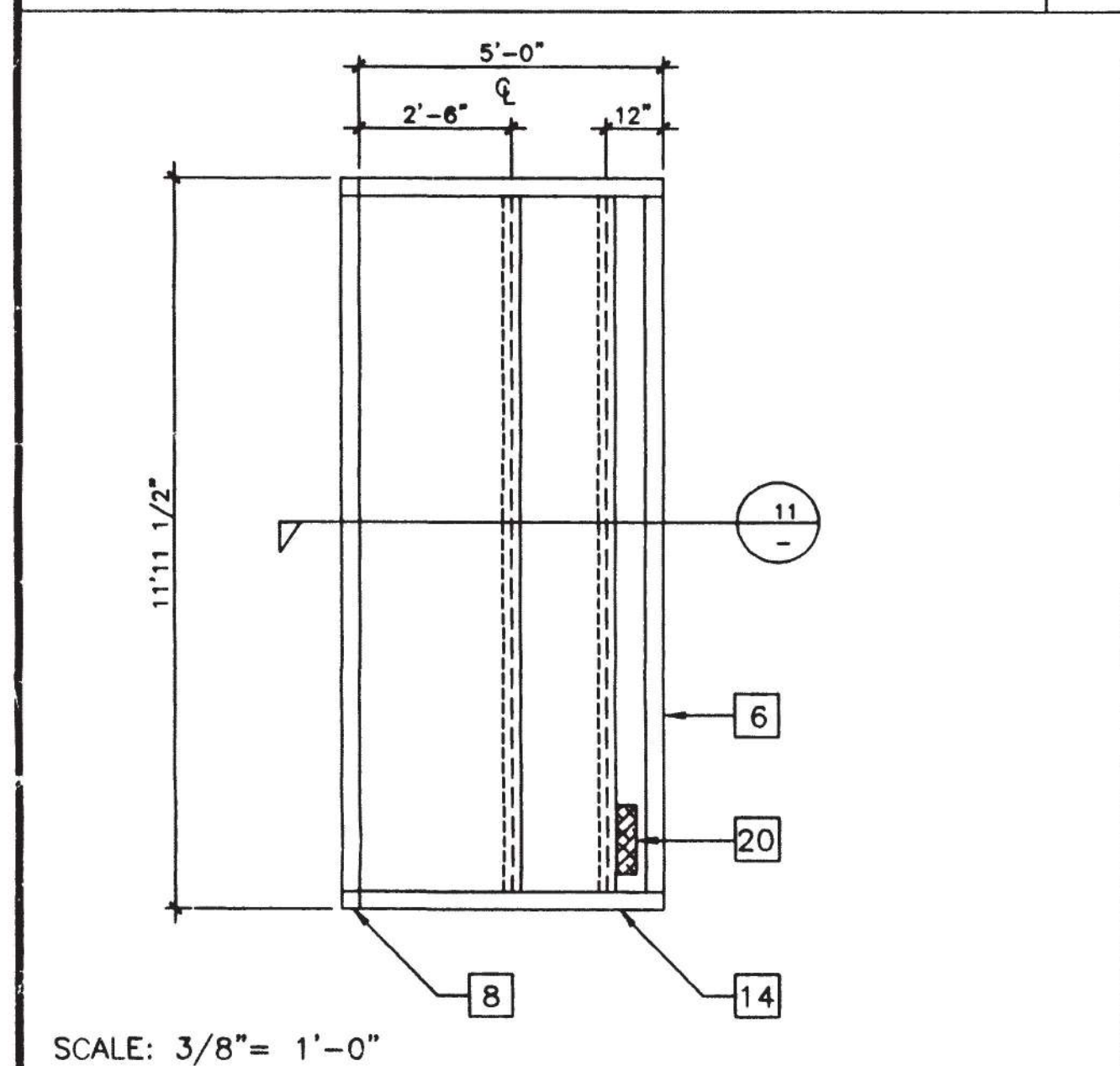
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**ROOF FRAMING PLAN**

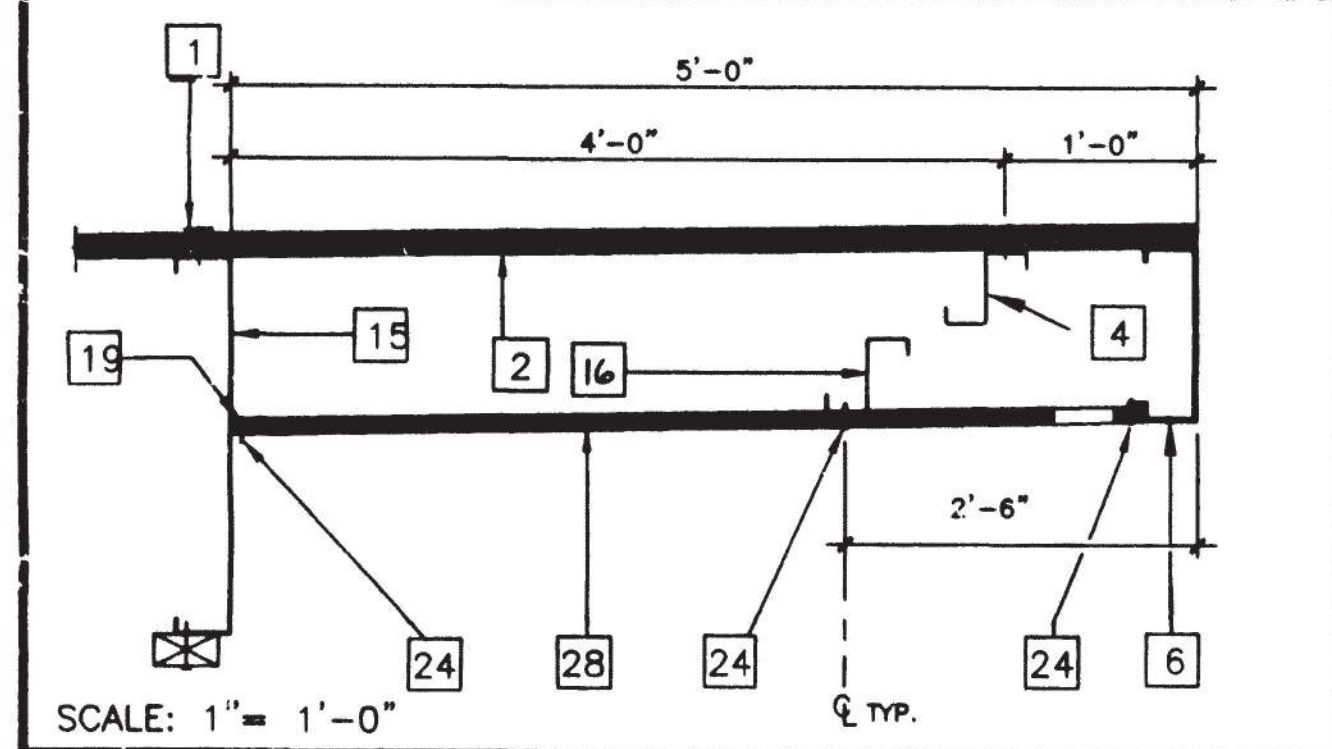
**SA2.0**



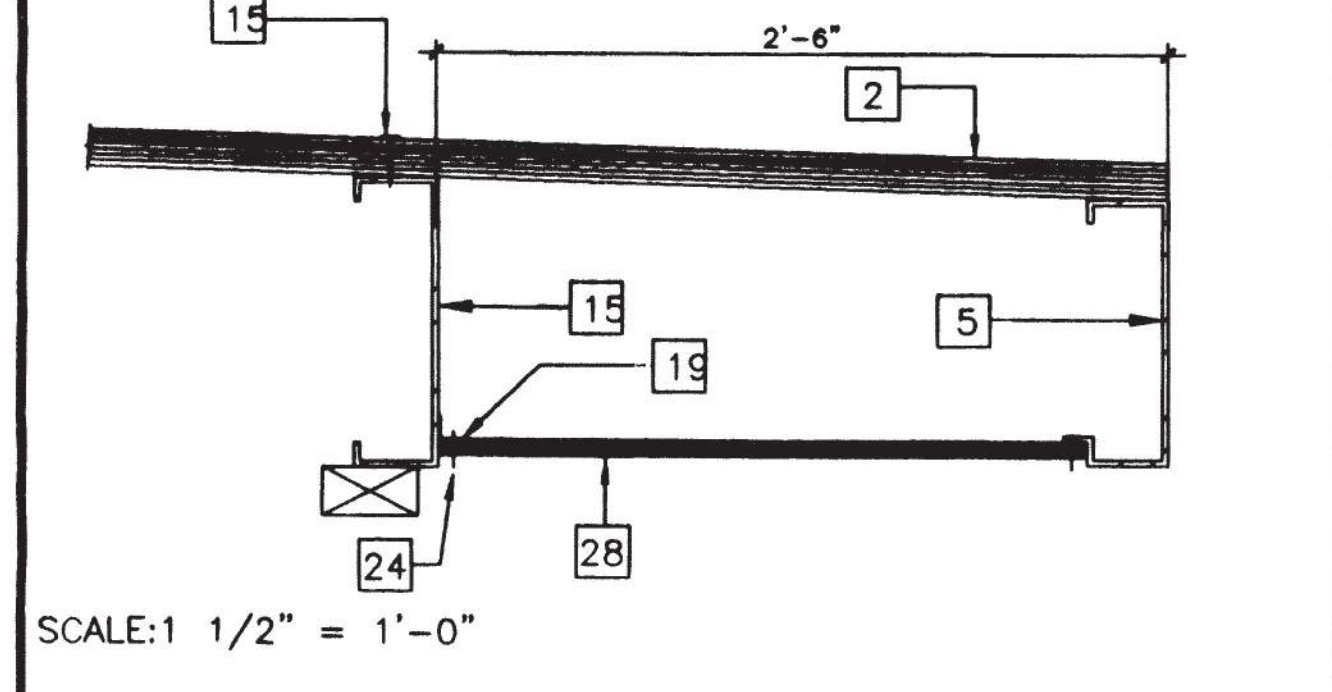
SCALE: 3"=1"  
**COLUMN AT FLOOR** 9



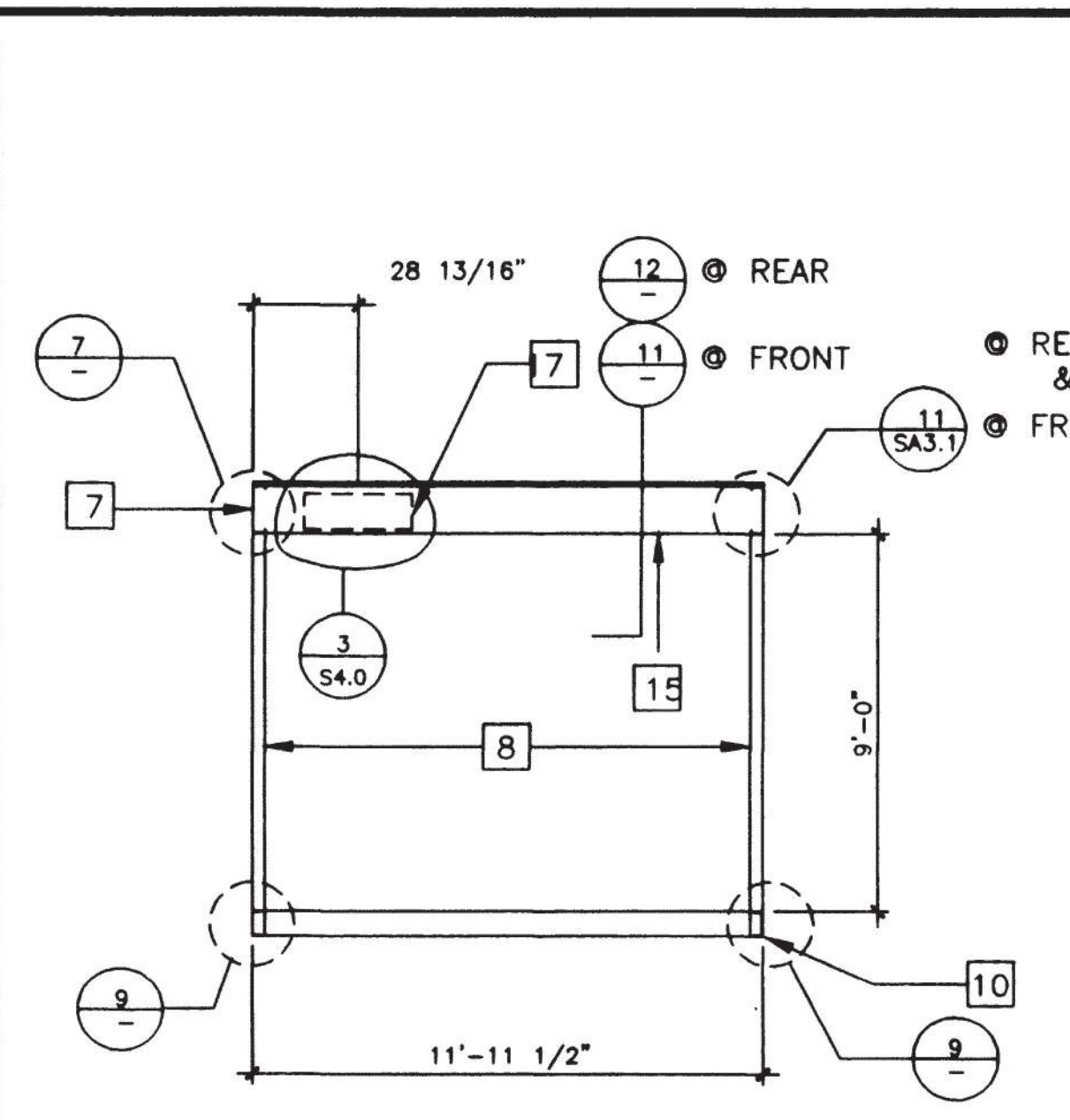
SCALE: 3/8"= 1'-0"  
**ENCLOSED SOFFIT PLAN - (OPTIONAL)** 10



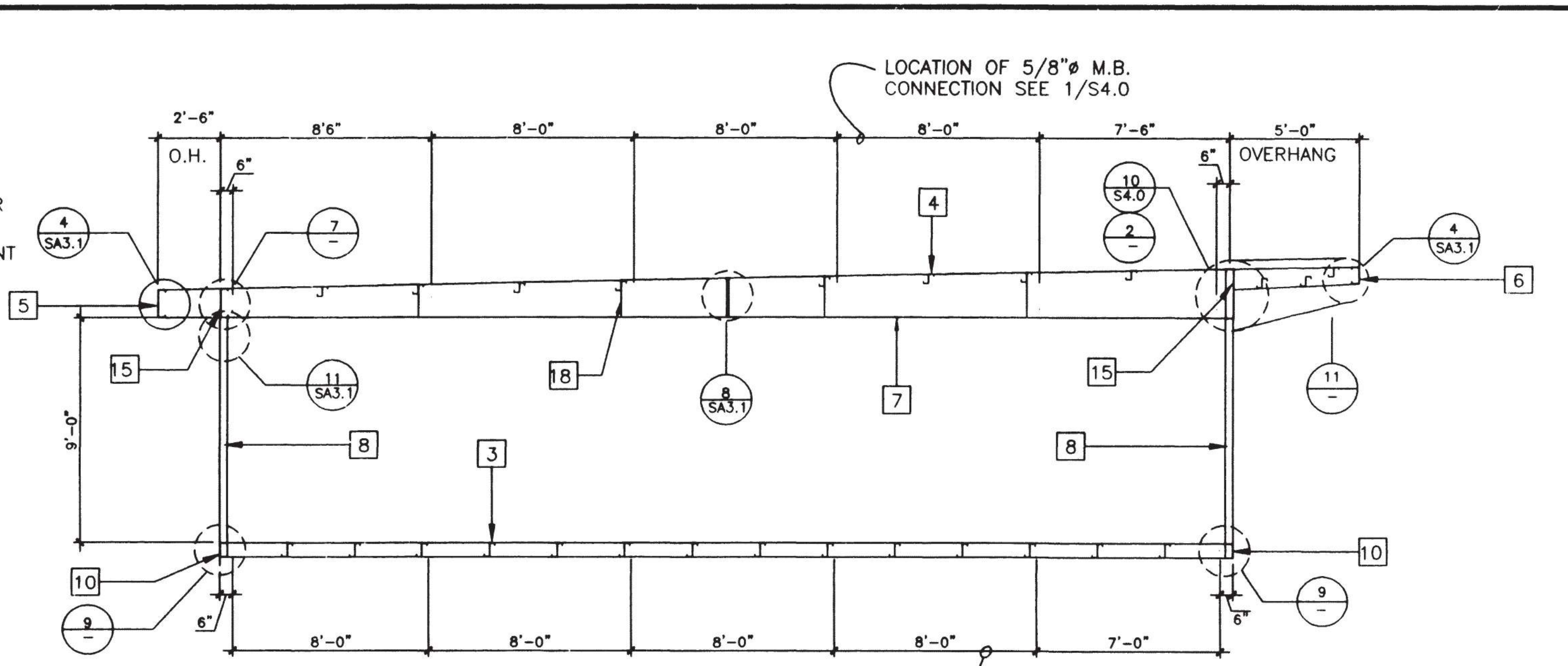
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**OPTIONAL ENCLOSED SOFFIT SECTION/FRONT**



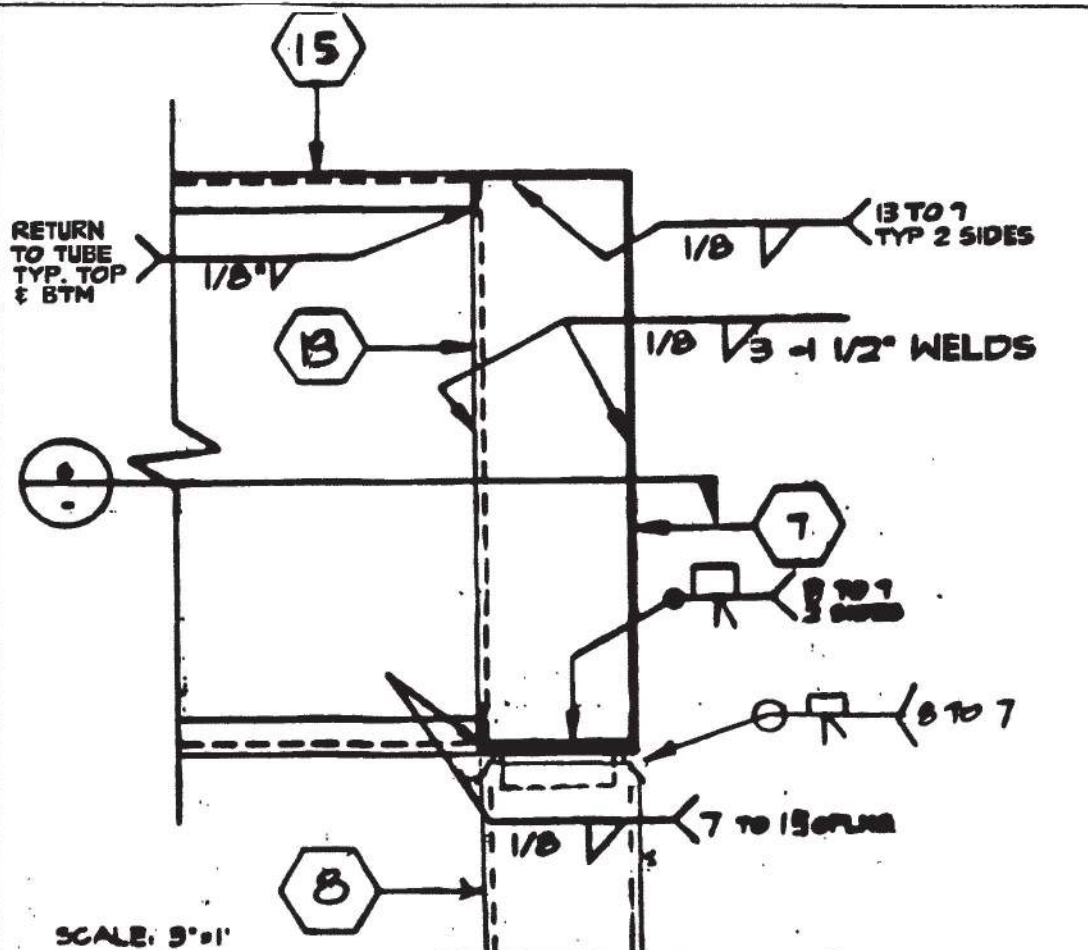
SCALE: 1 1/2"= 1'-0"  
**OPTIONAL ENCLOSED SOFFIT SECTION/REAR** 11



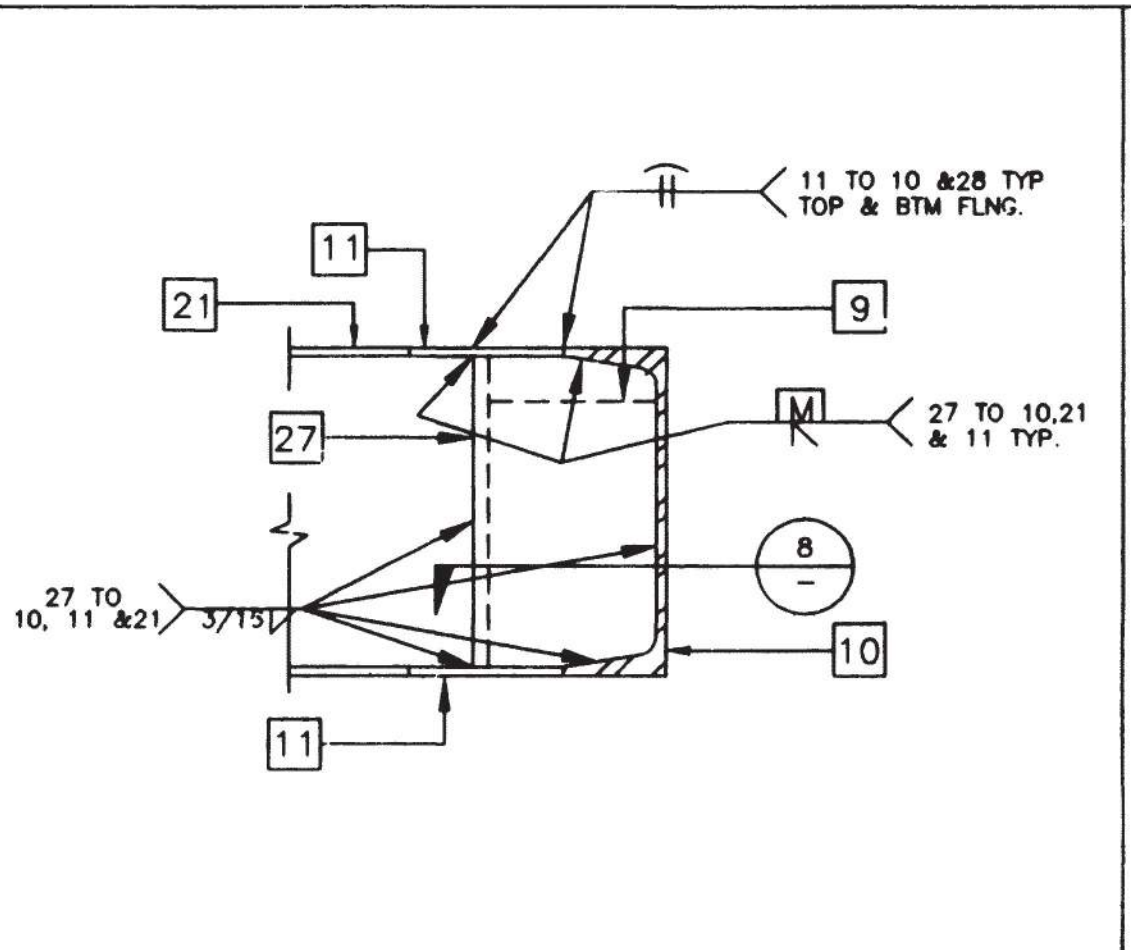
**A SECTION AT ENDWALL**



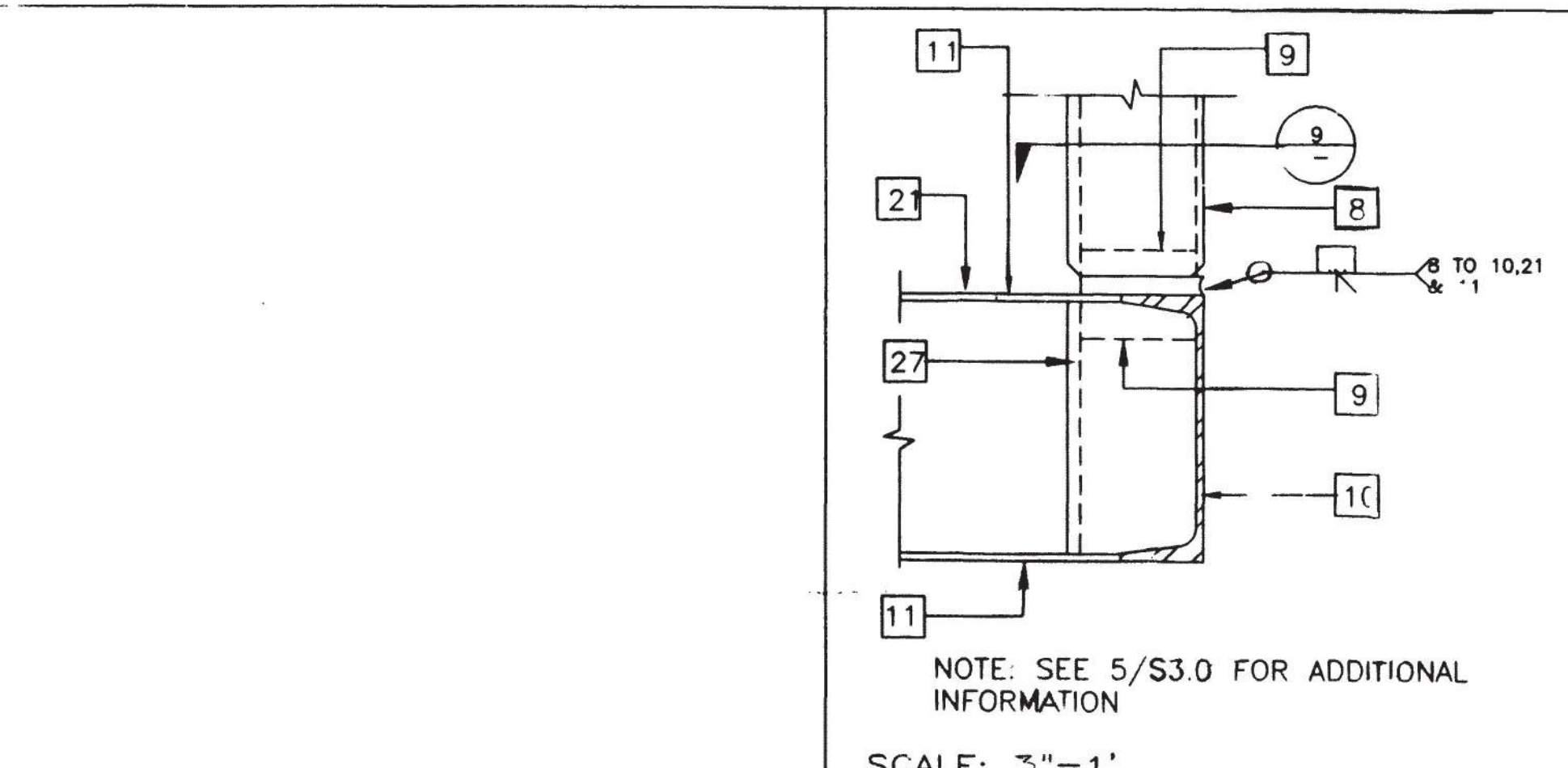
**B SECTION AT SIDEWALL**



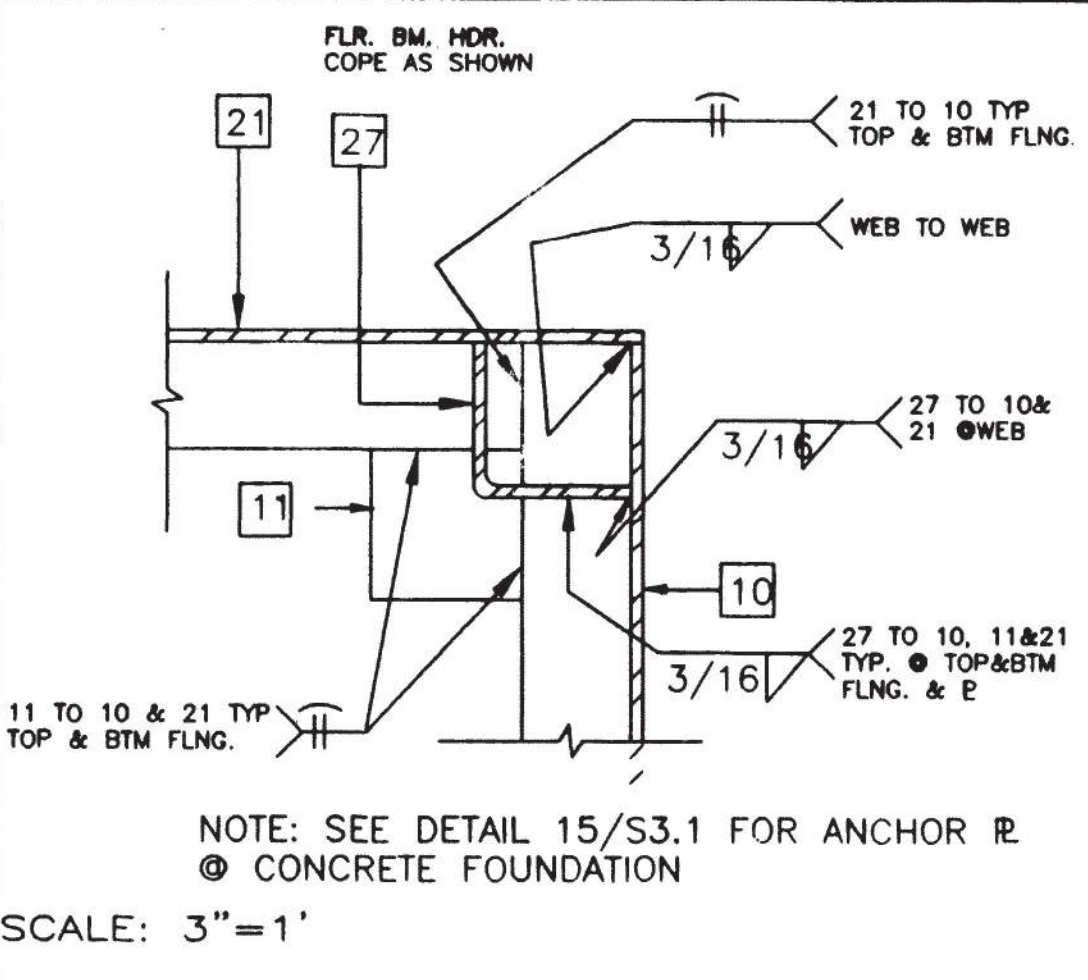
SCALE: 3"=1"  
**COLUMN CONN. AT ROOF** 7



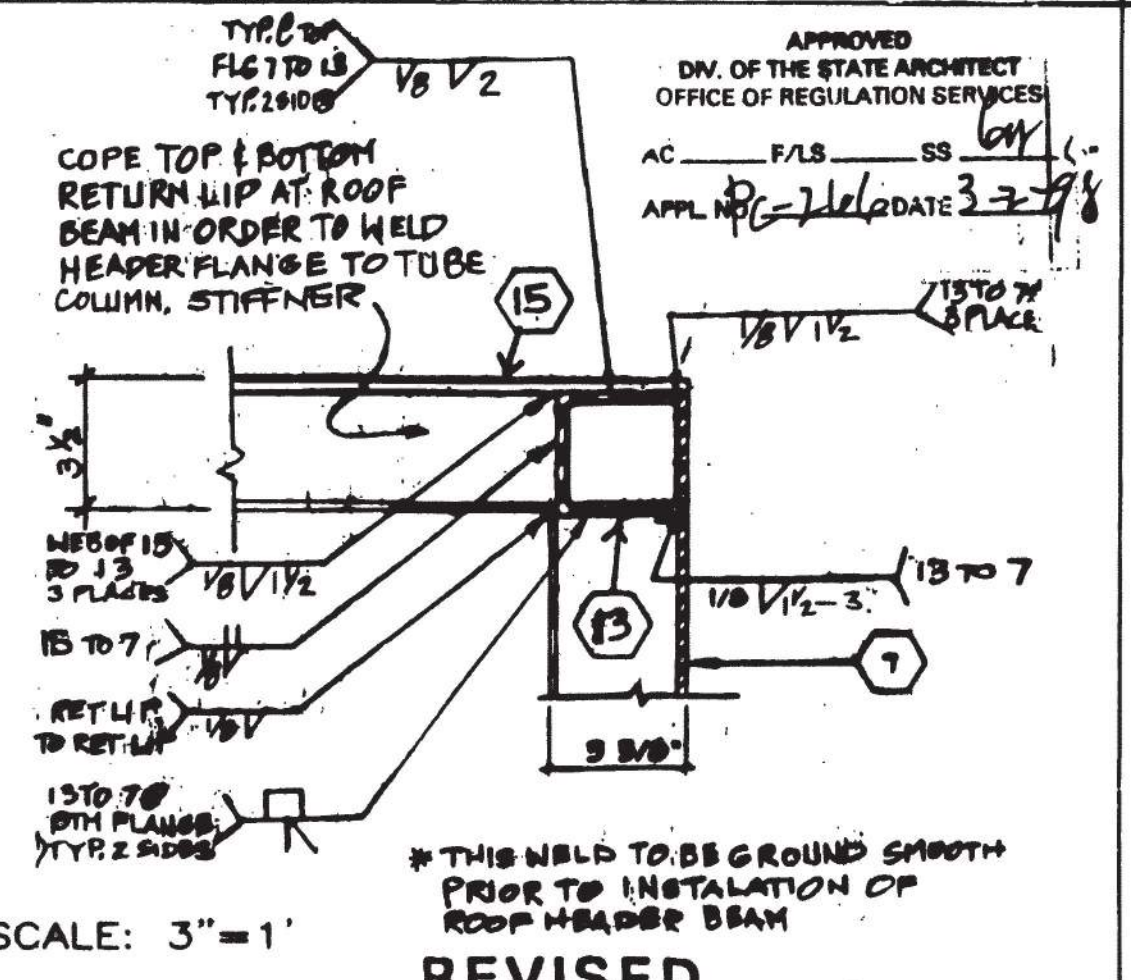
SCALE: 3"=1"  
**COLUMN CONN. AT FLOOR** 5



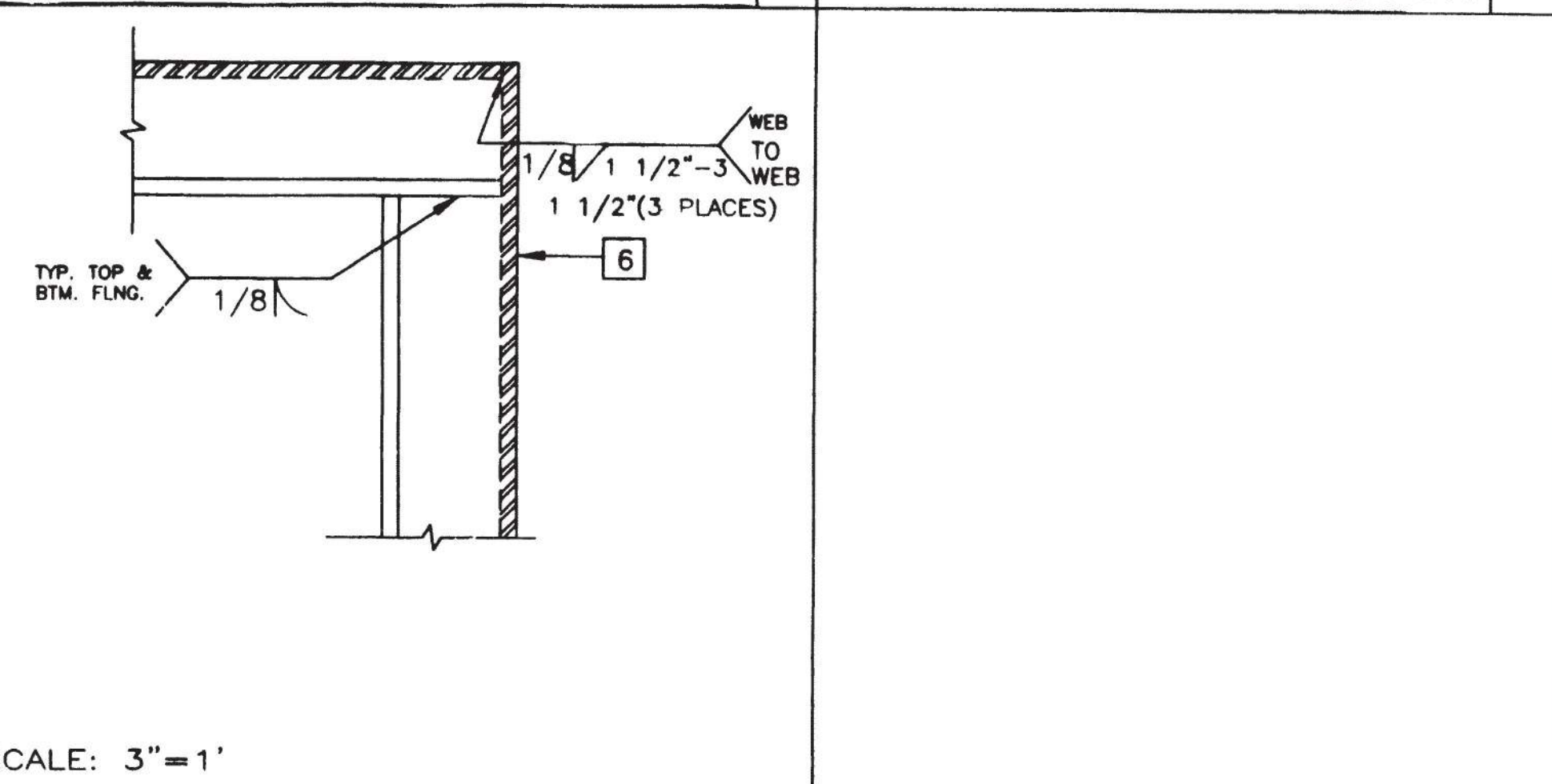
SCALE: 3"=1"  
**COLUMN CONN. AT FLOOR** 1



SCALE: 3"=1"  
**STIFFENER SECTION AT FLOOR** 8



SCALE: 3"=1"  
**STIFFENER SECTION AT ROOF** 6



SCALE: 3"=1"  
**PLAN AT ROOF OVERHANG** 4

**KEY NOTES**

- 1 EN  $\odot$  PLYWOOD EDGES
- 2 PLYWOOD ROOF SHEATHING
- 3 6 3/8"x2 1/2"x12GA. FLR. JOIST 6/S3.1
- 4 6 X 2 1/2"x 14 GA. ROOF PERLIN 16/S3.1
- 5 [ 13 3/8"x3 1/2"x14GA. FASCIA 4/S3.1
- 6 [ 8" X 2" X 14 GA. FASCIA 4/S3.1
- 7 10 GA. TAPERED ROOF BEAM 13 3/8" TO 24" SEE 12/S3.1 REFER TO RF. FRAMING PLAN
- 8 3 1/2"x3 1/2"x1/4" COLUMN
- 9 BACK-UP PLATE MIN. 10 GA.
- 10 [ 7X9.8 FLOOR CHANNEL
- 11 3 1/2"x3 1/2"x1/4" STEEL PLATE WELDED FLUSH TO TOP AND BOTTOM OF CHANNEL FLANGES
- 12 NOT USED
- 13 SECTION OF 3 1/2"x3 1/2"x1/4" TUBE STEEL COPE TO FIT ROOF BEAM
- 14 NOT USED
- 15 [ 24" X3 1/2" X12 GA. HEADED FRONT [ 14" X3 1/2" X12GA. HEADER REAR (SEE 1/S3.1 TYP. 2)
- 16 "Z" STIFFENER @ SOFFIT CLOSURE.
- 17 LOCATION OF HVAC
- 18 1/4" FULL DEPTH STIFFENER PLATE AT 8'-0" O.C. U.N.O. ALIGN WITH PURLIN
- 19 1/2" X 1 1/2" X 14 GA. TACK WELD IN PLANT
- 20 SCREENED VENT OPENING (4"x14")
- 21 [ 7X9.8 FLOOR HEADER
- 22 NOT USED
- 23 NOT USED
- 24 #10 STMS  $\odot$  6" O.C. TYP.  $\odot$  EN & 12" O.C. F.N. (ALT. AEROSMITH AKN 144.0175 DRIVE PIN)
- 25 NOT USED
- 26 NOT USED
- 27 3 1/2"x3 1/2"x1/4" ANGLE IRON CUT TO FIT FLOOR BEAM
- 28 SOFFIT PLYWOOD (OPTIONAL)

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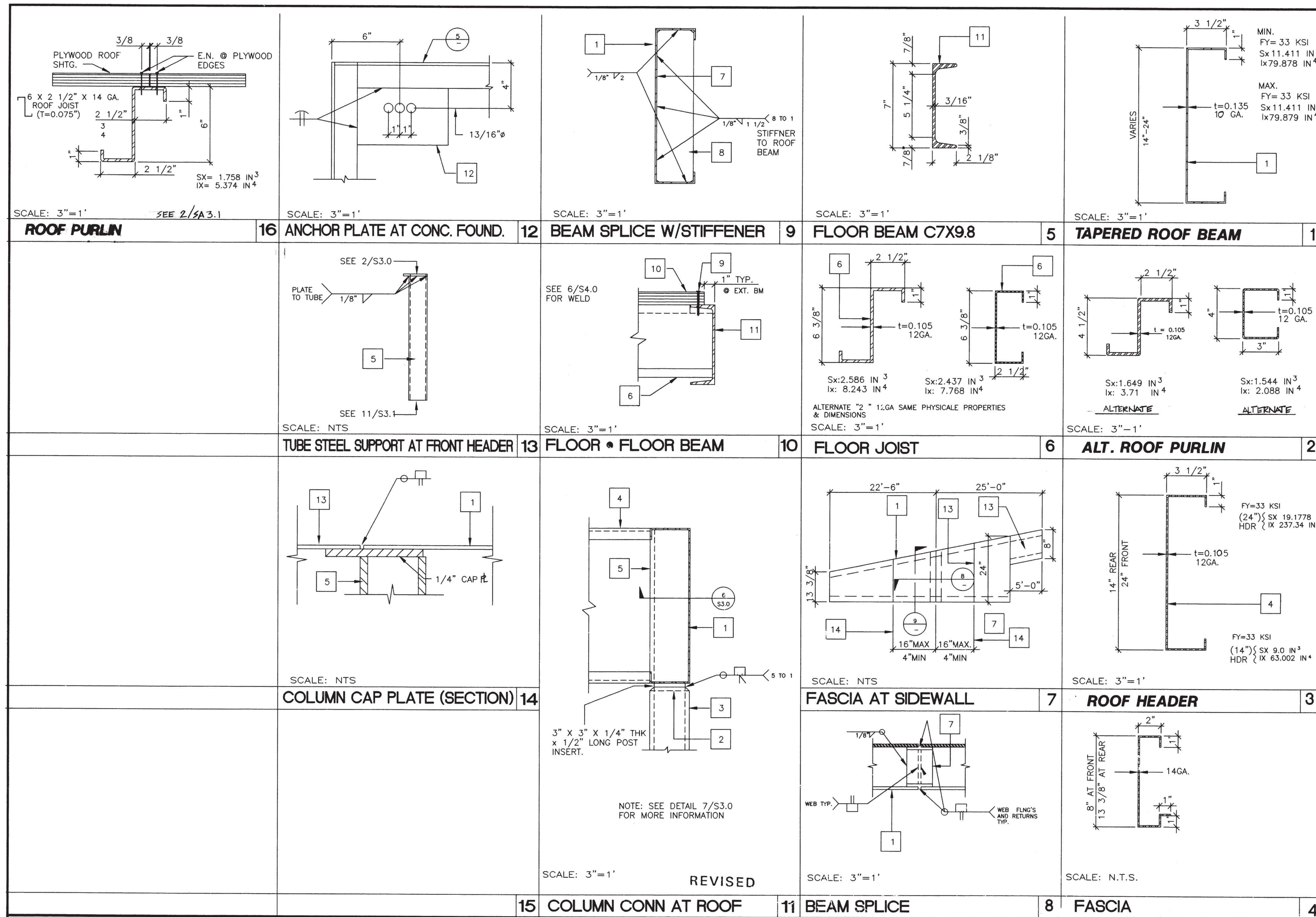
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**STRUCTURAL ELEVATIONS/DETAILS SA3.0**

PROJECT NO. PC-266



- KEY NOTES**
- [ 10 GA. TAPERED ROOF BEAM (SEE STRUC.) 33 KSI MATERIAL
  - BACK-UP PLATE MIN. 10 GA.
  - 3 1/2"x3 1/2"x1/4" COLUMN
  - [ 10GA.X 24" HEADER SEE 1/S3.1
  - SECTION OF 3 1/2"x3 1/2"x1/4" TUBE STEEL COPE TO FIT ROOF BEAM
  - 6 3/8"x2 1/2"x12GA. FLOOR JOIST
  - 10GA. BENT PLATE BACK-UP
  - 1/4" STIFFENER
  - #10 S.T.S.M.S @ 6" O.C. (SEE S1.0)
  - PLYWOOD FLOOR SHEATHING
  - FLOOR BEAM (SEE STRUCTURAL) SEE 5/S3.1
  - 5"x8"x1/4" IP
  - ROOF OVERHANG BEAM 8"x3 1/2" x4 GA.
  - ADDITIONAL SPLICE LOCATION (OPTIONAL)

(MONO SLOPE)

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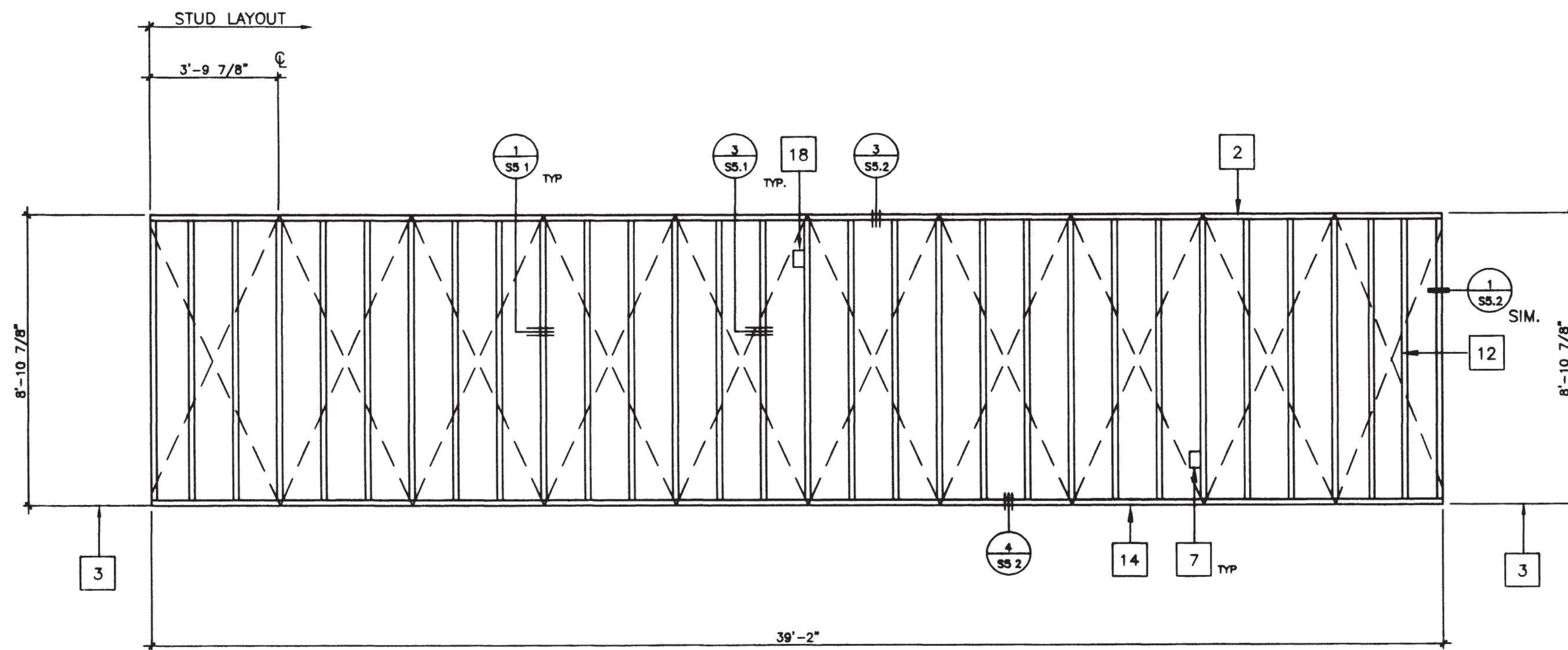
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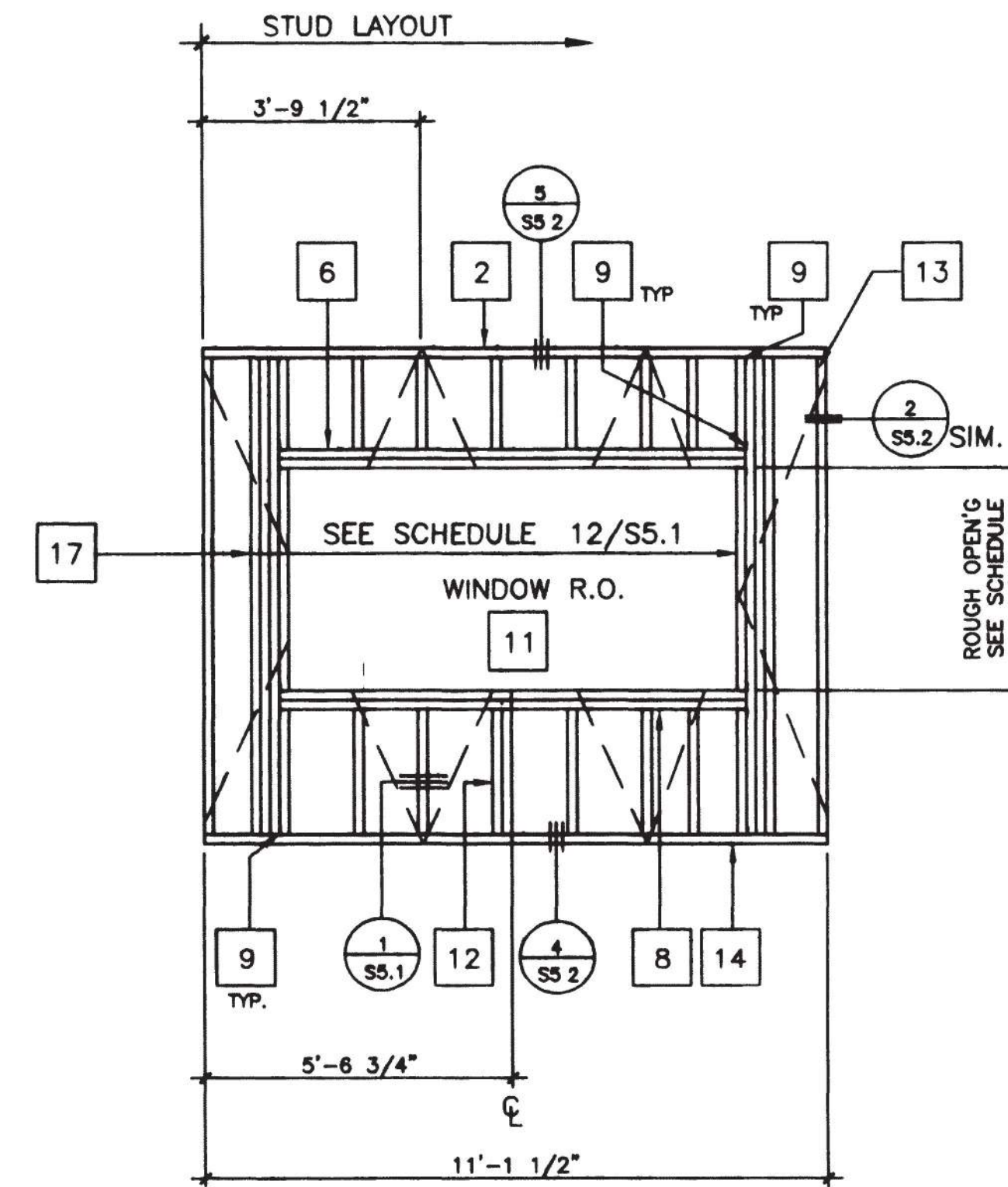
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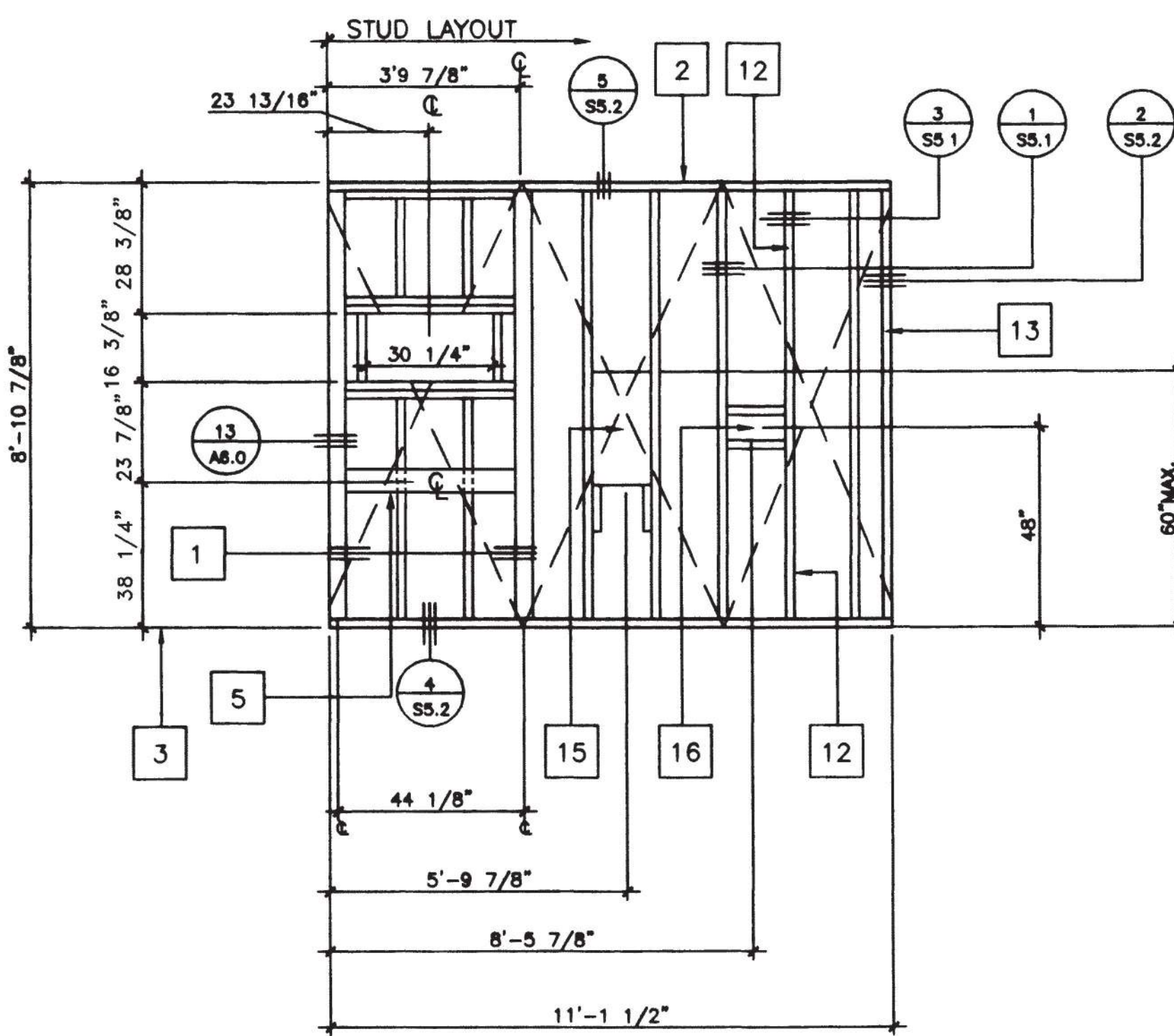




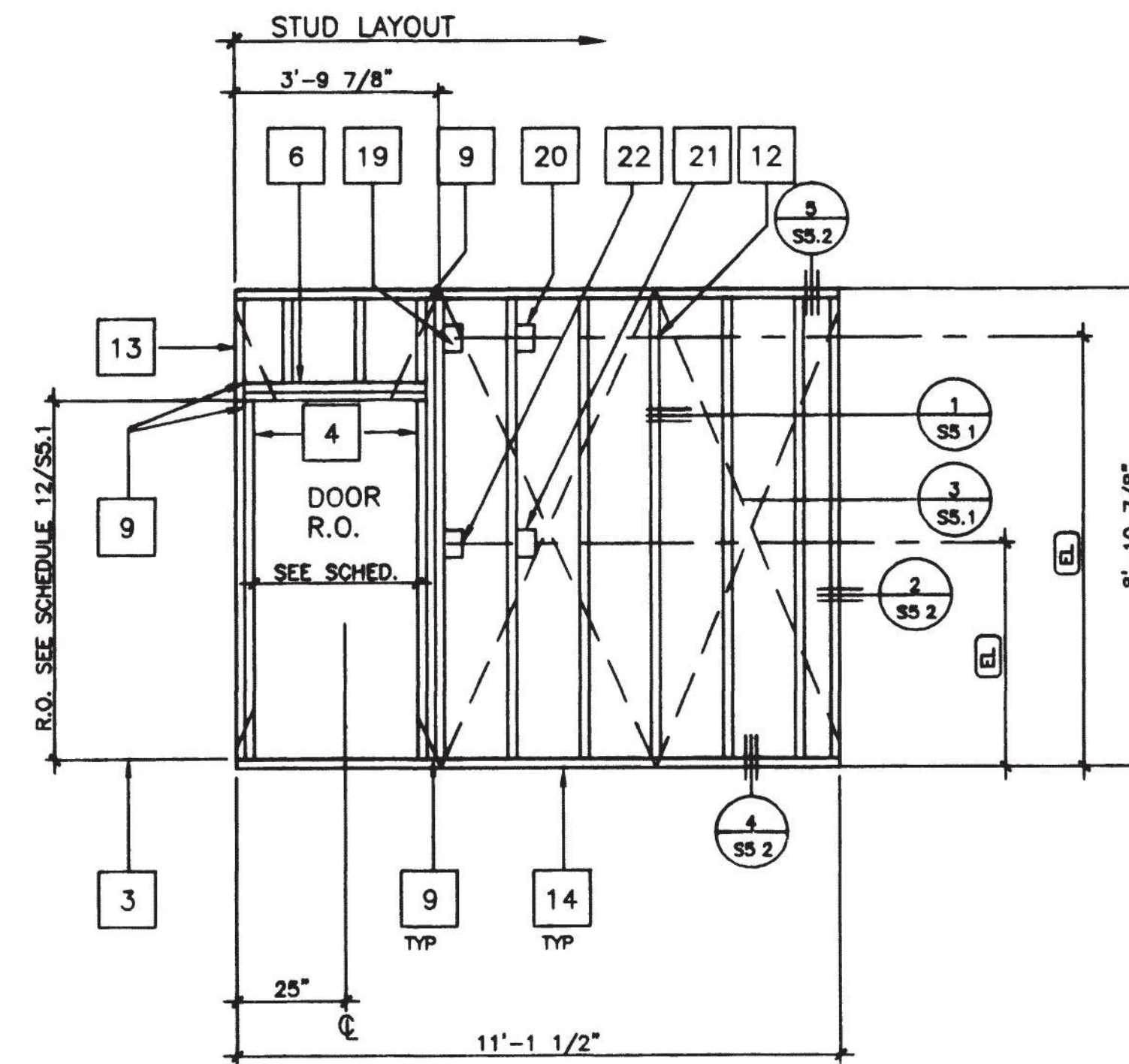
TYPICAL SIDE WALL



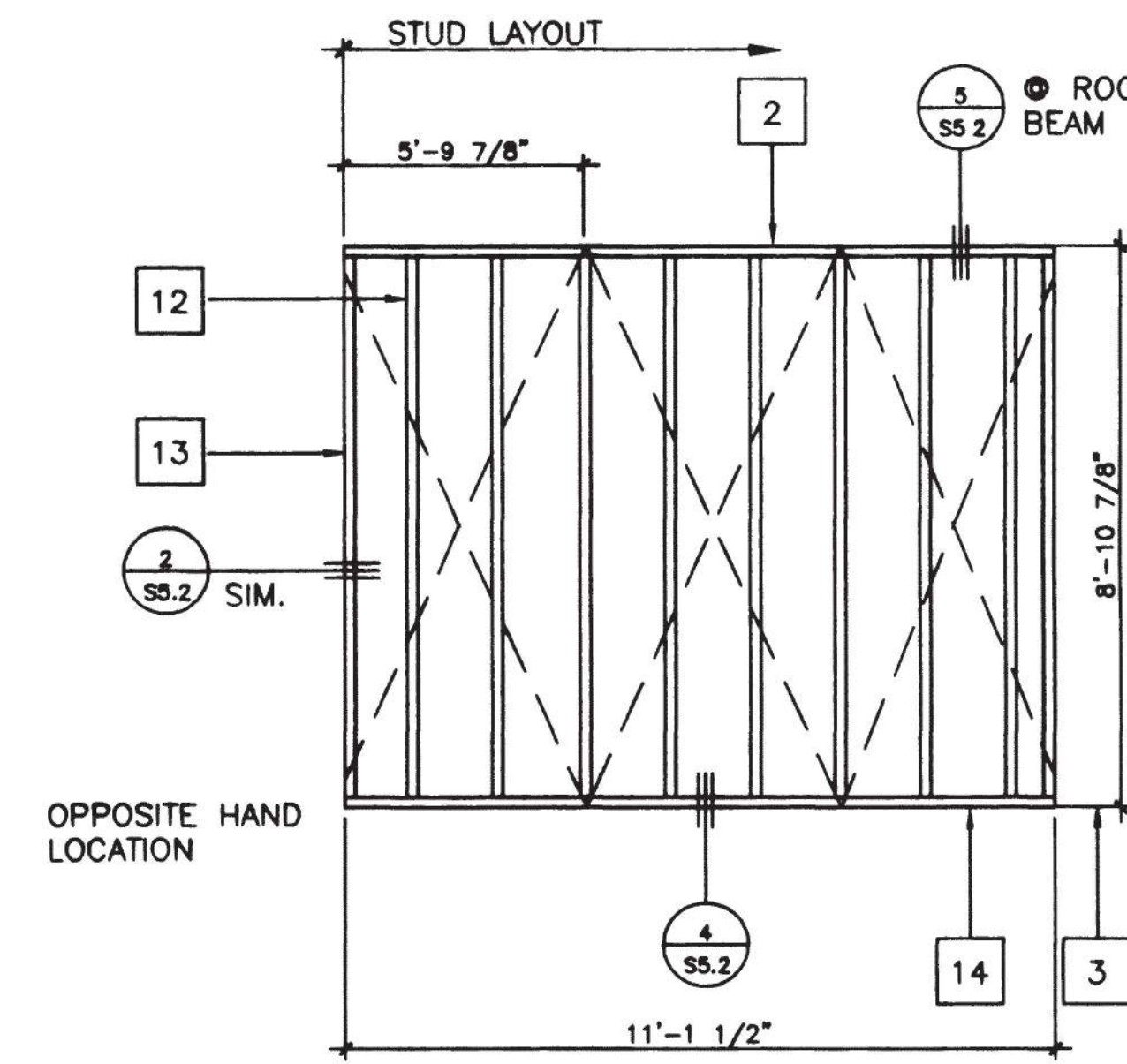
TYPICAL WINDOW



TYPICAL HVAC



TYPICAL DOOR



TYPICAL END WALL

SCALE 3/8"=1'

KEY NOTES

- 1 4 X 4 POST
- 2 2X4 TOP PLATE
- 3 FINISH FLOOR
- 4 2X4 FULL HGT KING STUDS AND 2X4 TRIMMER (SEE SCHEDULE FOR QUANTITY SHT S5 1)
- 5 2x6 LET IN FOR AC SUPPORT SEE 15/A6 0
- 6 HEADER (SEE SCHEDULE)
- 7 TYPICAL DUPLEX WALL RECEPTICAL FOR SPECIFIC LOCATION SEE (EL)
- 8 WINDOW SILL PLATE (SEE SCHEDULE)
- 9 A 3/4 CLIPS @ HEADER & SILL TO FULL HGT STUDS AND FULL HGT. STUDS TO TOP AND BOTTOM PLATES
- 10 REQUIRED OPENING FOR A 3068 DOOR (SEE DETAIL 7/S5 1)
- 11 REQUIRED OPENING FOR A 8040 WINDOW (SEE DETAIL 6/S5 1)
- 12 2X4 STUD @ 16" O C TYPICAL
- 13 2X4 NAILER TYPICAL @ EACH END
- 14 2X4 SILL PLATE
- 15 FRAME FOR ELECTRICAL PANEL
- 16 THERMOSTAT LOCATION 4S BOX
- 17 FULL HGT. STUDS AND 1-2X4 TRIMMER (SEE WINDOW SCHEDULE FOR JAMB STUDS REQUIRED SHT. S5 1)
- 18 CLOCK OUTLET (EL)
- 19 "J" BOX FOR EXTERIOR LIGHT FIXTURE (TO EXTERIOR) (EL)
- 20 "J" BOX FOR FIRE HORN (TO EXTERIOR) (EL)
- 21 "J" BOX FOR FIRE PULL STATION (TO INTERIOR) (EL)
- 22 LIGHT SWITCH BOX (EL)

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WALL FRAMING

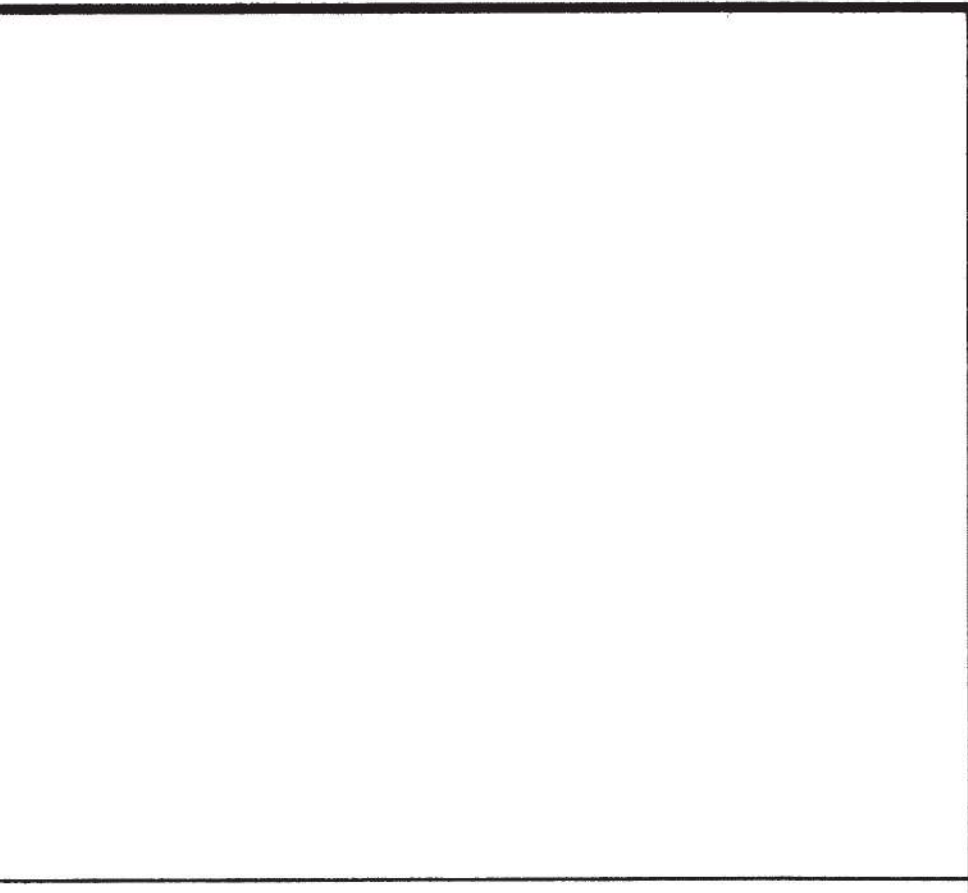
S5.0

PC-266

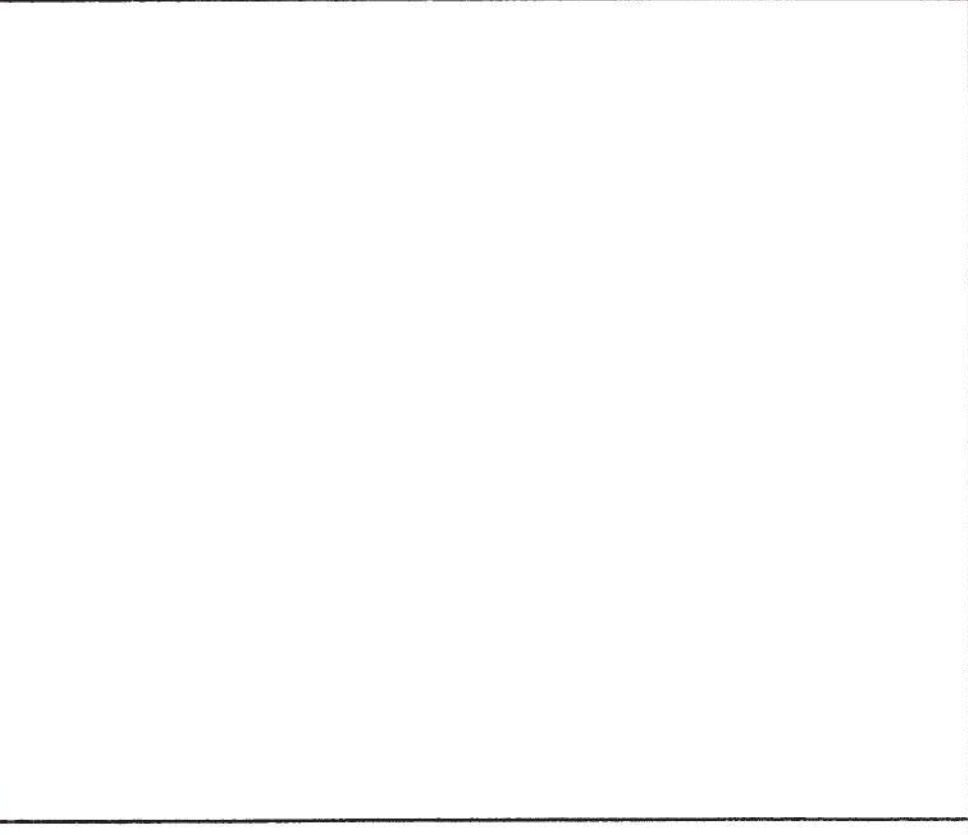
NAILING SCHEDULE	
CONNECTION	NAILING
1. JOIST TO SILL OR GIRDER, TOENAIL	3-8d
2. BRIDGING TO JOIST, TOENAIL END END	2-8d
3. 1" X 6" (25 mm X 152mm) SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	2-78d
4. WIDER THAN 1" X 6" (25 mm X 152 mm) SUBFLOOR TO EACH JOIST, FACE NAIL	3-8d
5. 2" (51mm) SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	2-16d
6. SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL	16d at 16" (406mm) o.c.
SOLE PLATE TO JOIST OR BLOCKING, AT BRACED WALL PANELS	3-16d per 15" (406mm)
7. TOP PLATE TO STUD, END NAIL	2-16d
8. STUD TO SOLE PLATE	4-8d, toenail or 2-16d, end nail
9. DOUBLE STUDS, FACE NAIL	16d at 24" (610mm) o.c.
10. DOUBLE TOP PLATES, TYPICAL FACE NAIL	16d at 16" (406mm) o.c.
DOUBLE TOP PLATES, LAP SPlice	8-16d
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL	3-8d
12. RIM JOIST TO TOP PLATE, TOENAIL	8d at 6" (152mm) o.c.
13. TOP PLATES, LAP AND INTERSECTIONS, FACE NAIL	2-16d
14. CONTINUOUS HEADER, TWO PIECES, 16d at 16" (406mm) o.c. along each edge	
15. CEILING JOIST TO PLATE, TOENAIL	3-8d
16. CONTINUOUS HEADER TO STUD, TOENAIL	4-8d
17. CEILING JOISTS, LAP OVER PARTITIONS, FACE NAIL	3-16d
18. CEILING JOIST TO PARALLEL RAFTERS, FACE NAIL	3-16d
19. RAFTER TO PLATE, TOENAIL	3-8d
20. 1" (25 mm) BRACE TO EACH STUD AND PLATE, FACE NAIL	2-8d
21. 1" X 8" (25 mm X 203 mm) SHEATHING OR LESS TO AECH BEARING, FACE NAIL	2-8d
22. WIDER THAN 1" X 8" (25mm X 203mm) SHEATHING TO EACH BEARING, FACE NAIL	3-8d
23. BUILT-UP CORNER STUDS	16d at 24" (610mm) o.c.
24. BUILT-UP GIRDER AND BEAMS, 20d at 32" (813 mm) O.C. AT TOP AND BOTTOM AND STAGGERED 2-20d AT ENDS AND AT EACH SPLICE.	
25. 2" (51mm) PLANKS	
26. WOOD STRUCTURAL PANELS AND PARTICLEBOARD: SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING): (1 INCH=25.4mm) 1/2" AND LESS 6d <sup>3</sup> 19/32" - 3/4" 8d <sup>4</sup> OR 6d <sup>5</sup> 7/8" - 1" 8d <sup>3</sup> 1 1/8" - 1 1/4" 10d <sup>4</sup> OR 8d <sup>5</sup> COMBINATION SUBFLOOR-UNDERLAYMENT (TO FRAMING): (1 INCH=25.4mm) 3/4" AND LESS 6d <sup>5</sup> 7/8" - 1" 8d <sup>5</sup> 1 1/8" - 1 1/4" 10d <sup>4</sup> OR 8d <sup>5</sup>	
27. PANEL SIDING (TO FRAMING): 1/2" (13 mm) OR LESS 6d <sup>6</sup> 5/8" (16 mm) 8d <sup>6</sup>	
28. FIBERBOARD SHEATHING 1/2" (13 mm) NO. 11 GA. 8 6d <sup>4</sup> NO. 16 GA. 9 8d <sup>5</sup> 25/32" (20 mm) NO. 11 GA. 8 8d <sup>4</sup> NO. 16 GA. 9	
29. INTER PANELING 1/4" (6.4 mm) 4d 10 3/8" (9.5 mm) 6d 11	

NOTE: All nail shall be box nails unless otherwise noted.

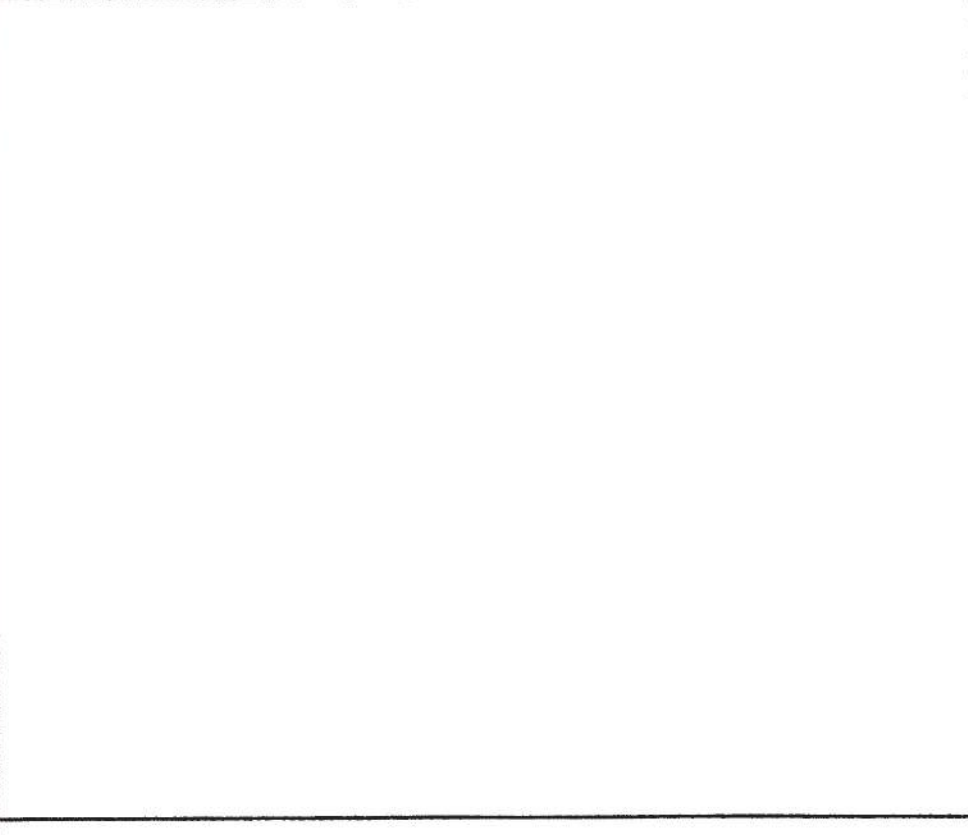
REVISIONS	
1	
2	
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PERPENDICULAR PARTITION CONNECTION 9



INT. PARTITION CONN AT FLOOR 10

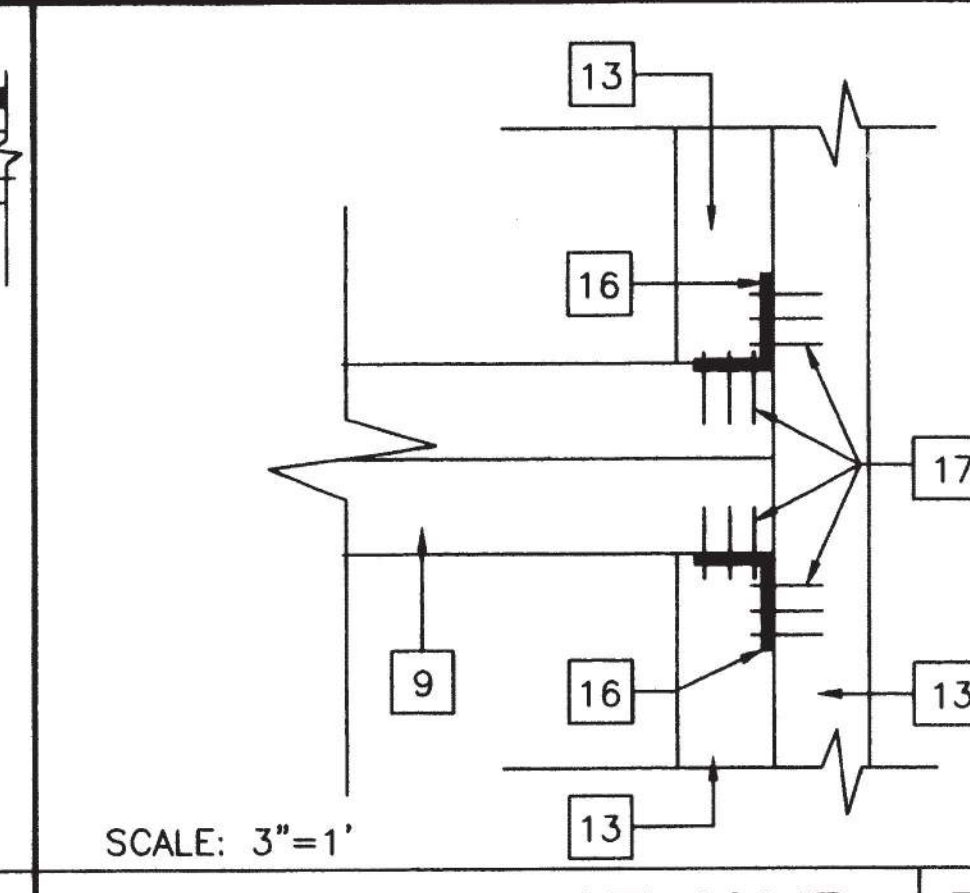


SECTION: HVAC IN ROOF 11

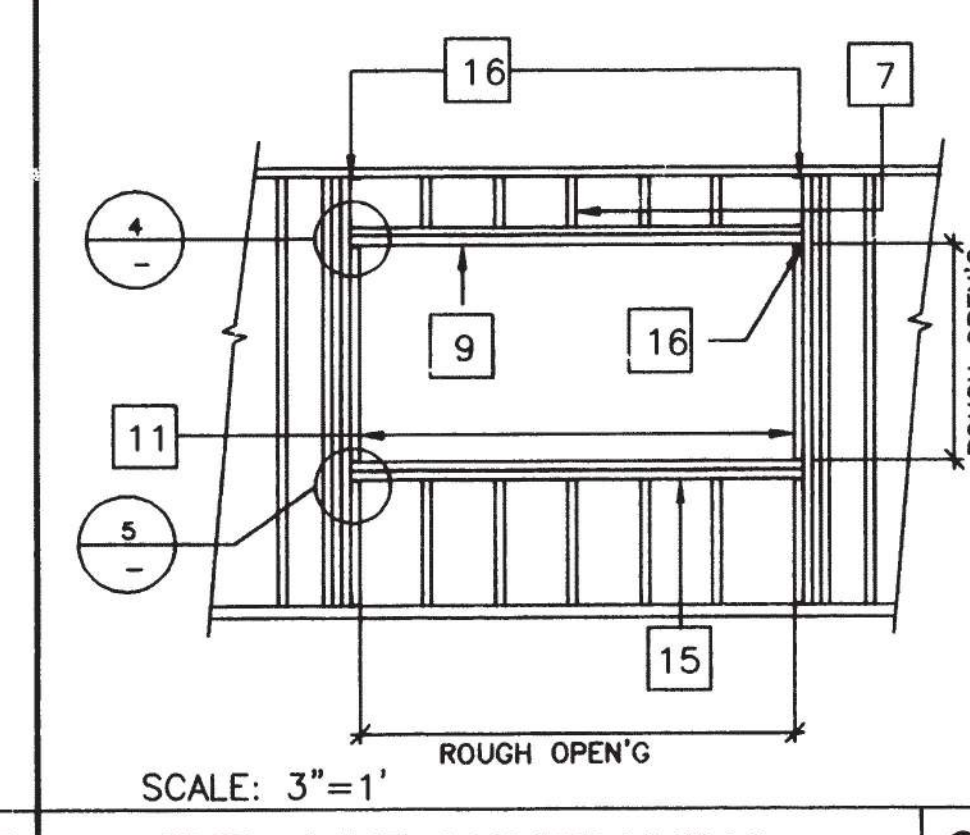
OPENING	ROUGH OPENING			HEIGHT	WIDTH
	HDR.	SILL	JAMB		
3068	(2) 2X4	(2) 2X4	(2) 2X4	81 1/4"	38"
8040	(3) 2X4	(2) 2X4	(4) 2X4	48 1/8"	96 1/8"

ALTERNATE: METAL STUD 24 HDS350 IN LIEU OF 2X4 WD. STUDS

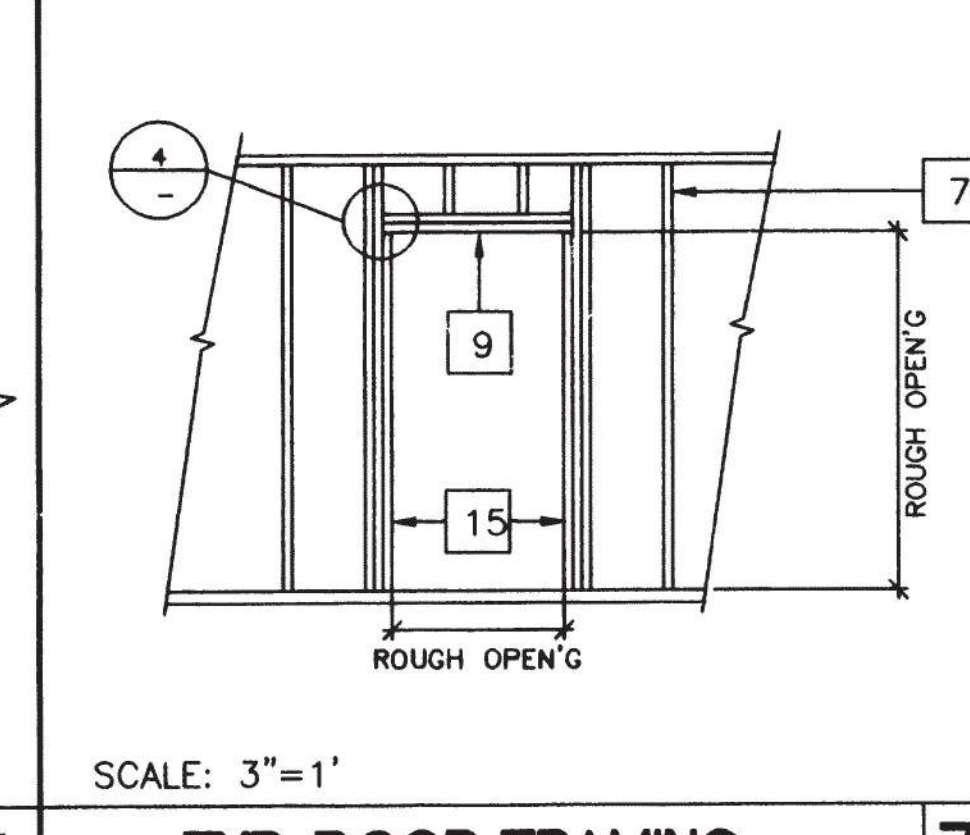
ROUGH OPENING SCHEDULE 12



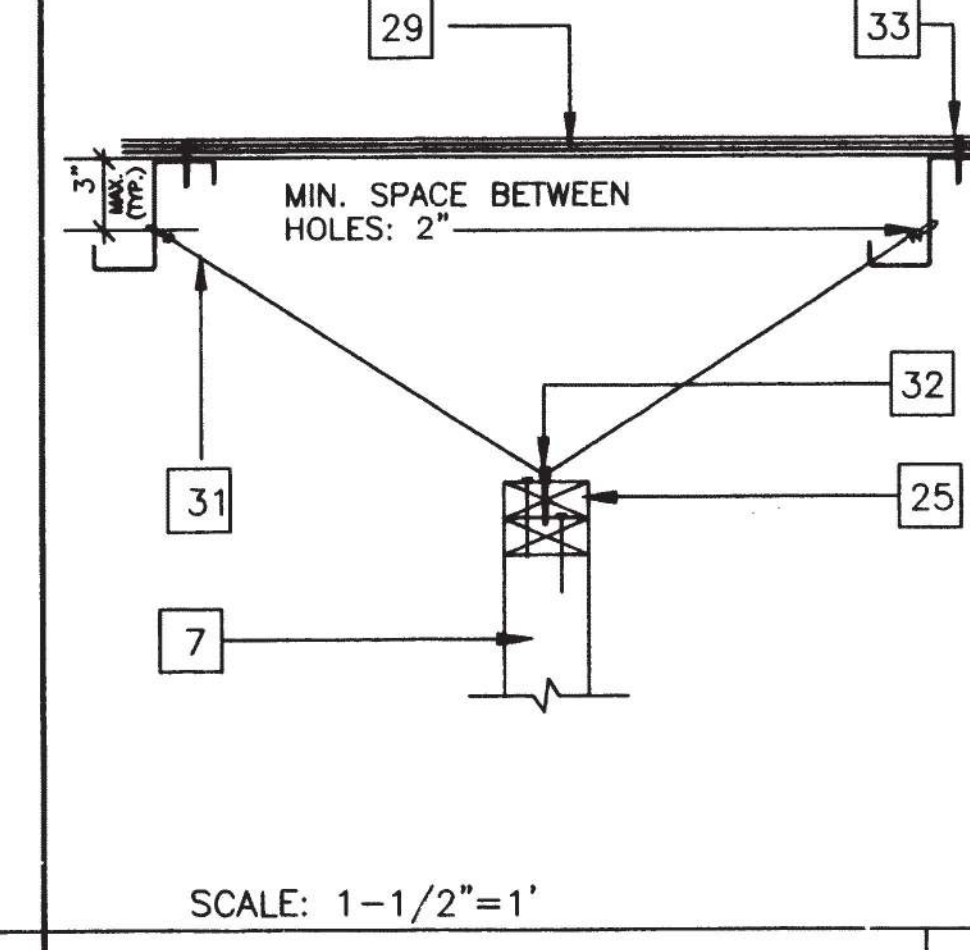
WINDOW SILL AT JAMB 5



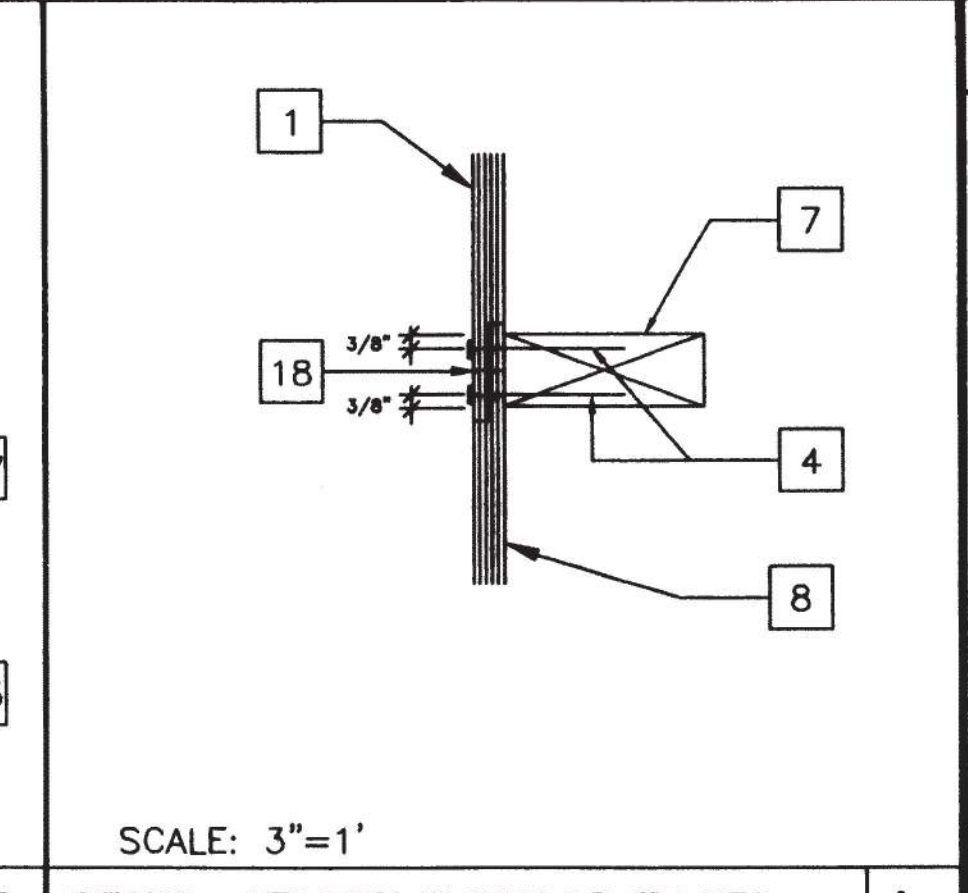
TYP. WINDOW FRAMING 6



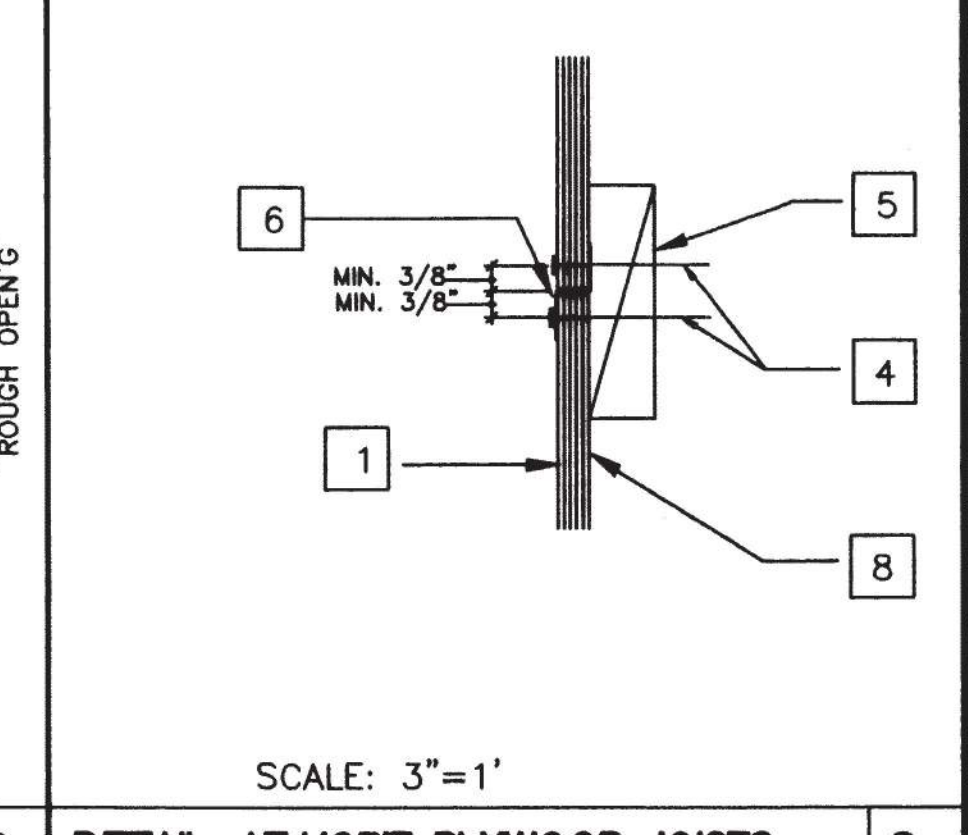
TYP. DOOR FRAMING 7



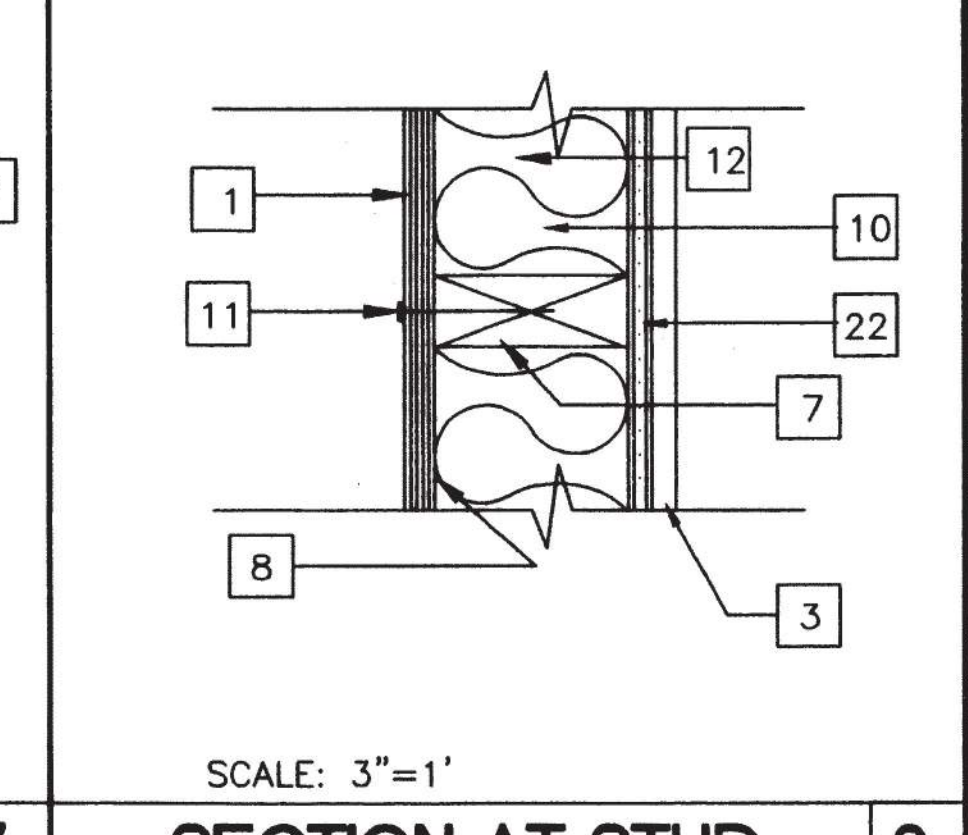
DETAIL: PARALLEL PARTITION CONN. 8



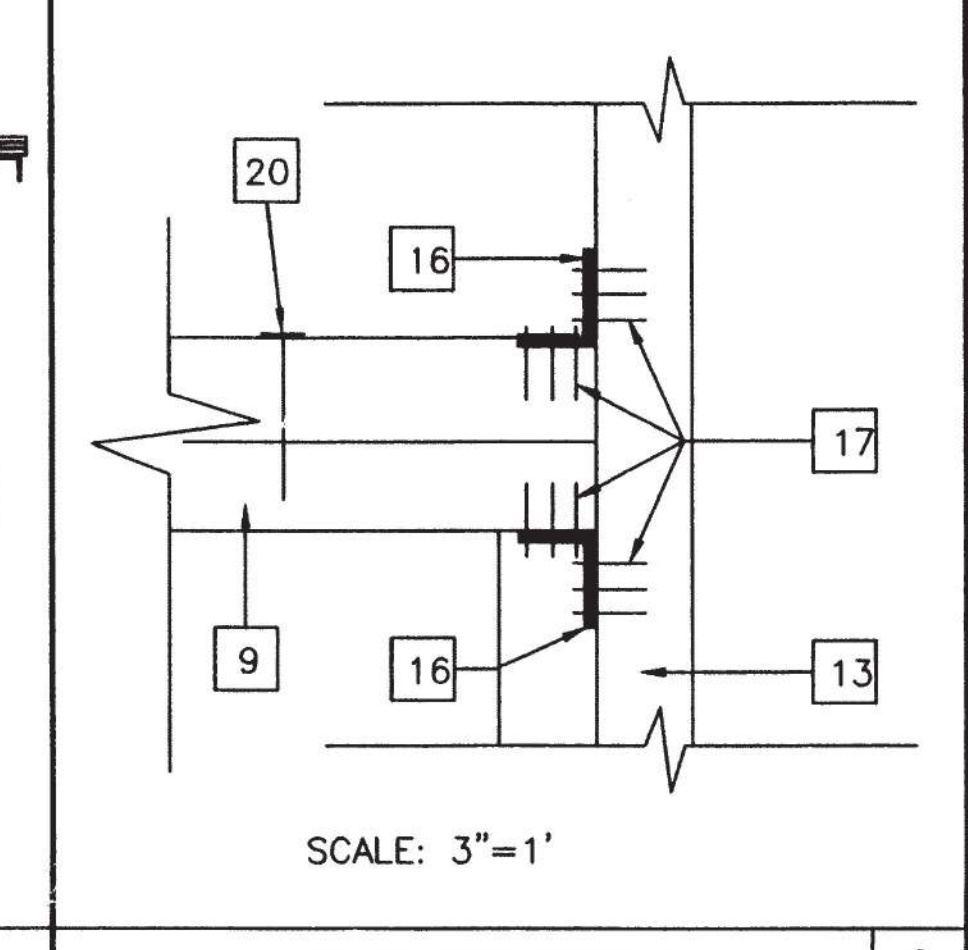
DETAIL AT VERT. PLYWOOD EDGES 1



DETAIL AT HORIZ. PLYWOOD JOISTS 2



SECTION AT STUD 3



HEADER DETAIL 4

- KEY NOTES**
- EXTERIOR PLYWOOD SIDING - SHEATHING NAIL W/GALV. BOX NAILS - 8d @ 6" O.C. EDGES, 8d @ 12" O.C. IN FIELD
  - GYP. BOARD
  - TYP. INTERIOR FINISH-SEE FINISH SCHEDULE
  - E.N.
  - 2X4 BLK'G
  - "Z" FLASHING
  - 2X4 @ 16" O.C.
  - WATERPROOF MEMBRANE
  - HEADER SEE SCHEDULE 12/S5.1
  - INSULATION SEE SPECIFICATIONS
  - 8d ELECTRO GALV. 12" O.C.F.N.
  - 2X4 SILL PLATE (BELOW)
  - FULL HEIGHT STUDS AND 1-2X4 TRIMMER (SEE WINDOW SCHEDULE FOR JAMB STUDS REQ'D)
  - NOT USED
  - SILL PLATE (SEE SCHEDULE)
  - A 34 CLIPS @ HEADER AND SILL TO FULL HEIGHT STUDS AND FULL HEIGHT STUDS TO TOP AND BOTTOM PLATES
  - 9GA. 8d 1 1/2" NAILS
  - LAP JOINT
  - NOT USED
  - 16D @ 16" O.C.
  - ROOF CHANNEL
  - ATTACH GYP. BD. TO STUDS W/6d COOLERS @ 6" O.C.
  - 2X4 BOTTOM PLATE W/16d @ 16" O.C.
  - PLYWOOD FLOOR
  - 2X4 DBL TOP PLATE
  - SIMPSON A35 W/8d X 2 1/2"
  - 2X4 BRACE @ 8'-0" O.C. MAX. @ MAX 45'
  - #12 X 2 TYPE A HEX HEAD SCREWS W/WASHERS (TYP. FOR 3)
  - PLYWOOD SHEATHING
  - ROOF PURLIN
  - ATTACH 12GA. BRACE WIRES TO EYE LAG SCREWS AND TO ROOF PURLINS @8'-0" O.C. ENDS TO HAVE 4 TIGHT WRAPS IN 1-1/2"
  - 1/4" 2-1/2" EYE LAG SCREW @8'-0" O.C. (2" EMBEDMENT)
  - ATTACH PER ROOF FRAMING PLAN (TYP.)
  - PLENUM
  - DUCTWORK
  - ROOF PURLIN
  - TRANSFER BOX

PROJECT NUMBER: 2319  
 WALNUT VALLEY U.S.D. - STOCKPILE - VARIOUS SITES

MODTECH INC.  
 2930 BARRETT AVENUE  
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 PH (909) 943-4014  
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 date: [Date]  
 checked by: [Signature]  
 date: [Date]  
 Modtech project no: [Number]  
 MODTECH Index No. **S5.1**

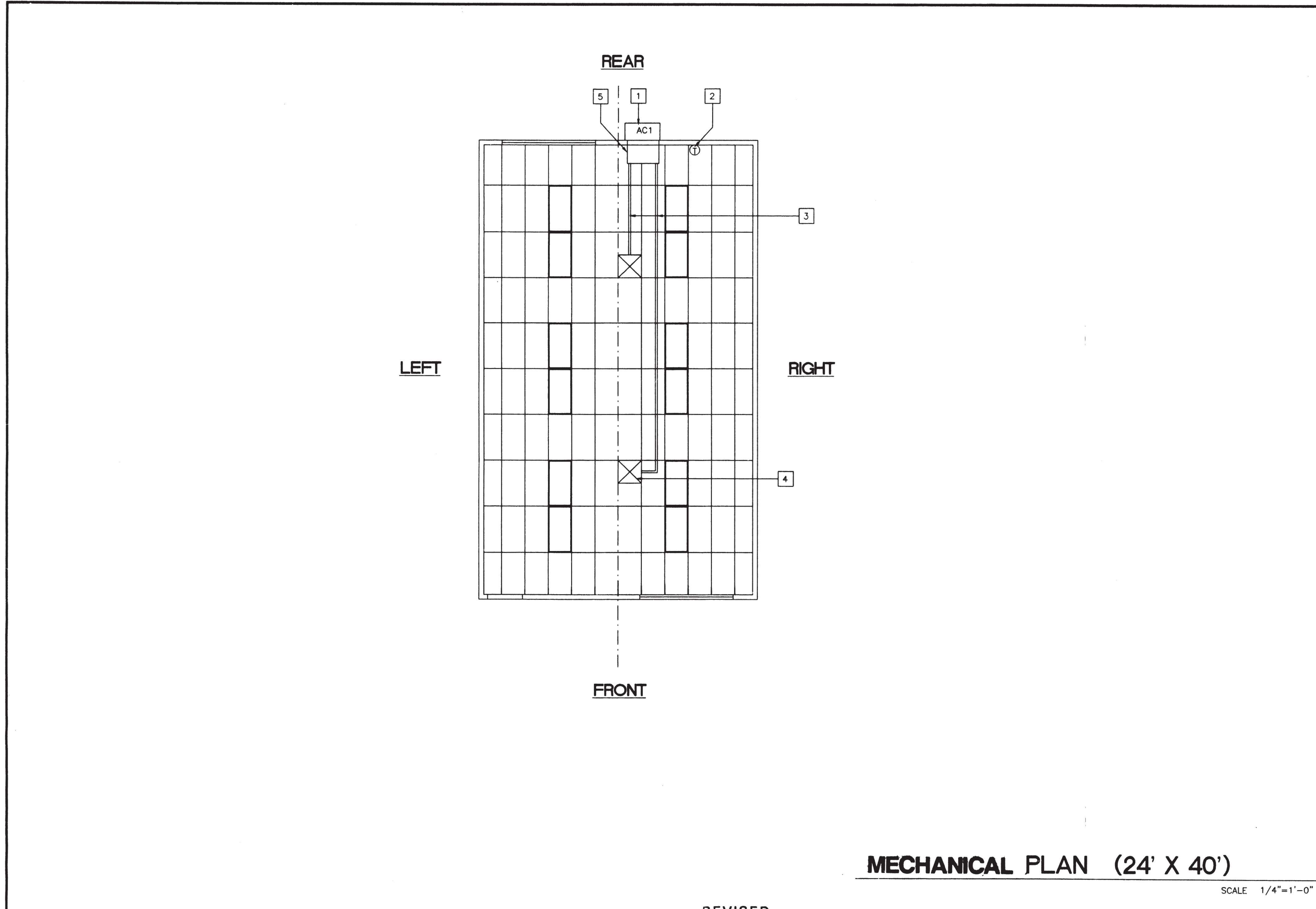
FILE # P266S1.DWG PROJECT NO. PC-266

				<p>SCALE: N.T.S.</p>	<p>SCALE: 3"=1'</p>	<b>KEY NOTES</b> 1 PLYWOOD ROOF SHEATHING 2 [10GA.X HEADER TYPICAL. 3 1 1/2 X 1 1/2 X 16GA. $\angle$ 4 #10 S.T.S.M.S @ 24" O.C. OR 0.145# SHOT PIN AT 24" O.C. 5 E.N. PLYWOOD TO ROOF BEAM. (SEE STRUCTURAL) 6 FLOOR BEAM (SEE STRUCTURAL) 7 TUBE STEEL COLUMN. 8 2X4 STUD @ 16" O.C. TYP. 9 16d BOX NAILS @ 8" O.C. 10 2X4 SILL PLATE. 11 2X TRIMMER @ CORNER. 12 16d @ 24" O.C. 13 #10 S.T.S.M.S @ 16" O.C. OR AEROSMITH AKN 144.0175 DRIVE PIN.																		
17	13	9	END WALL AT ROOF	5	COLUMN AT END WALL.		1																	
18	14	10			<p>SCALE: 4"=1'</p>		6																	
19	15	11			<p>SCALE: N.T.S.</p>		7																	
20	16	12	REVISED	8	WALL SILL AT FLOOR		4																	
<b>REVISIONS</b> <table border="1"> <tr><td>▲</td><td></td><td></td><td></td></tr> <tr><td>▲</td><td></td><td></td><td></td></tr> <tr><td>▲</td><td></td><td></td><td></td></tr> <tr><td>▲</td><td></td><td></td><td></td></tr> </table>	▲				▲				▲				▲				Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal  LICENSE # 2000	Architects Seal	Division of the State Architect IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES <b>PC-266</b> AC FLS SS DATE JUN 25 1996	 <b>MODTECH INC.</b> 2830 BARRETT AVENUE PERRIS, CALIF. 92572 PH (909) 943-4014 FAX (909) 940-0427	PROJECT NUMBER: 2319 WALNUT VALLEY U.S.D. - STOCKPILE - VARIOUS SITES © MODTECH, INC. drawn by checked by date Modtech Project no. MODTECH Index No.	<b>WALL FRAMING DETAILS</b> <b>S5.2</b>
▲																								
▲																								
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FILE # P266 S52 DWG

PROJECT NO.

PC-266



- KEY NOTES**
- 1 AC1: WALL MOUNT 4 TON HEAT PUMP. NOMINAL 47,000 BTUH COOL / 46,000 BTUH HEAT W/5kw HEATER. OLA AND CALIFORNIA STATE ENERGY APPROVED. 208 / 230V, 1 PHASE, MAX FLA 38 AMPS. WEIGHT 510 LBS.
  - 2 THERMOSTAT-WHITE ROGERS IF92+48" A.F.P.
  - 3 12" FLEX DUCT
  - 4 15 x 15 4W SUPPLY AIR GRILLE
  - 5 10" X 30" X 2' PLENUM (SEE SPECS.)

**NOTES**

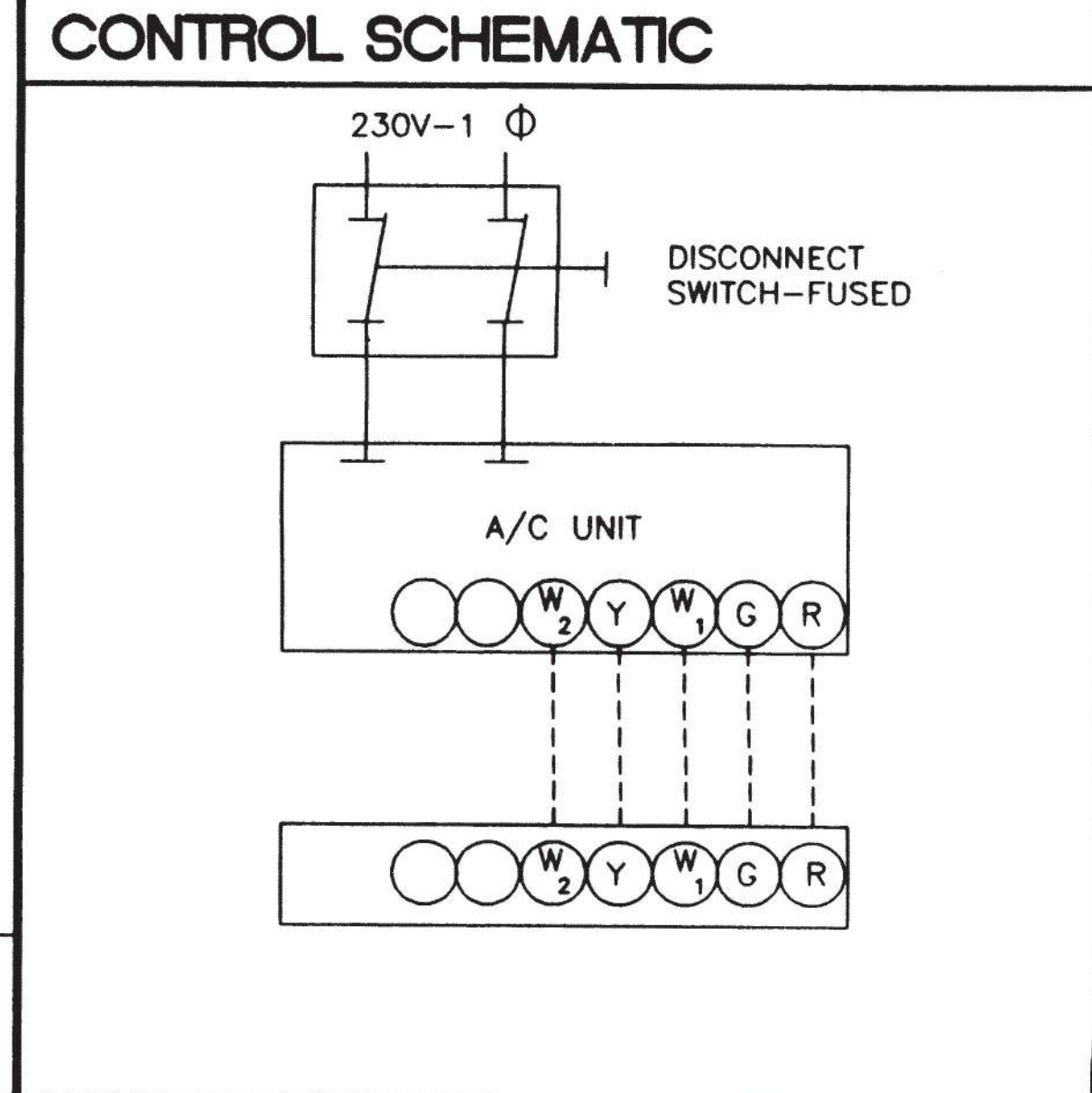
1. INSULATION APPLIED TO EXTERIOR SURFACE OF DUCTS LOCATED IN BLDGS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 & A SMOKE-DENSITY NOT EXCEEDING 50 WHEN TESTED AS A COMPOSITE INSTALLATION, INCLUDING INSULATION, FACING MATERIALS, TAPES & ADHESIVES AS NORMALLY APPLIED. EXCEPTION-INSULATION HAVING A FLAME SPREAD INDEX NOT EXCEEDING 50 & A SMOKE-DENSITY NOT GREATER THAN 100 MAY BE INSTALLED IN DWELLINGS OR APARTMENT HOUSES WHERE THE DUCT SYSTEM SERVES NOT MORE THAN ONE DWELLING UNIT.

2. SCHOOL EQUIPMENT ANCHORAGE  
 THE FOLLOWING IS FOR THE MECHANICAL ENGINEER'S INFORMATION ONLY:  
 THE SEISMIC ANCHORAGE OF MECHANICAL EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24, SECTION 2312 (g) AND TABLE 23-P. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 LBS. AND HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS. MAY BE OMITTED FROM THE PLANS.

**FOR MECHANICAL DRAWINGS:**  
 ALL MECHANICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

EQUIPMENT ON GRADE	20% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE	30% OF OPERATING WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 X THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 X THE HORIZONTAL FORCE.  
 THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, 1 = 1.0 AND SEISMIC ZONE, 2 = 0.4.  
 WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENG. AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.



**REVISIONS**


Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	Division of the State Architect
				IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES <b>PC-266</b> AC: [Signature] PLS: [Signature] SS: [Signature] DATE: JUN 25 1996

**MODTECH INC.**  
 2830 BARRETT AVENUE  
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**MECHANICAL (HVAC) PLAN**

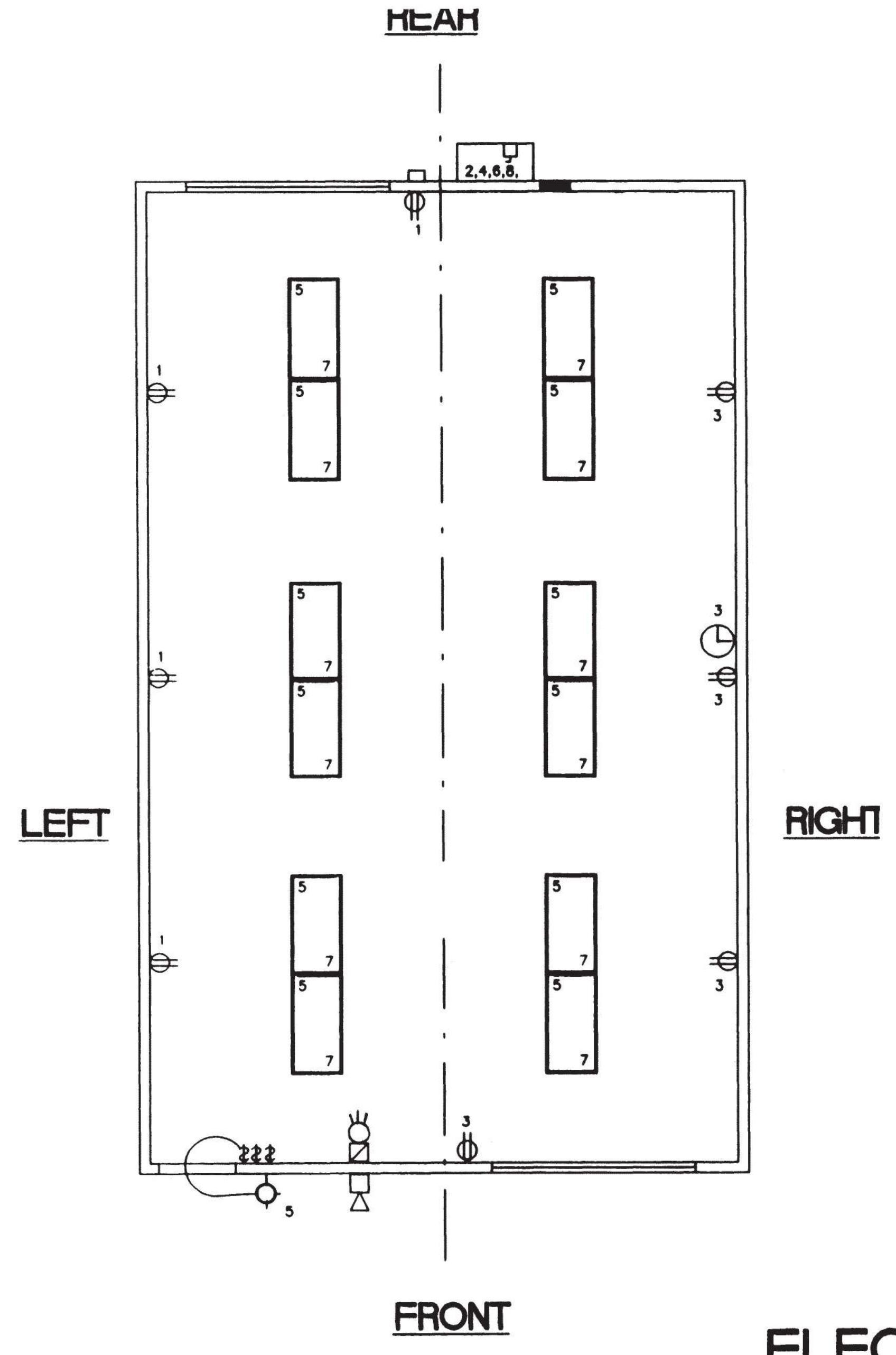
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 MODTECH Index No.  
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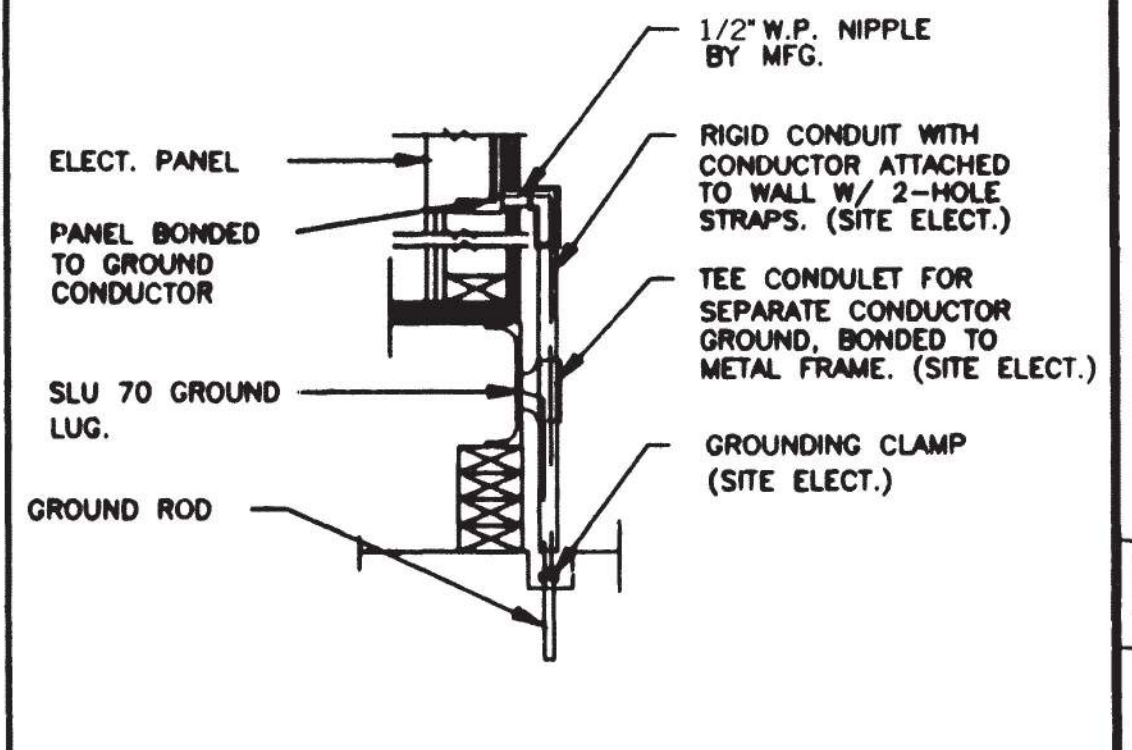
ELECTRICAL PANEL SCHEDULE											
MAIN: 100 AMP 12 CIRCUIT		PANEL: A						FEED: BOTTOM			
		LOCATION: REAR			MOUNTING: FLUSH						
LOAD	QTY	WATTS		BREAKER	U	A	B	BREAKER	WATTS		LOAD
		AG	BG						AG	BG	
RECEPTACLE	(4)	720		20	1	1		2	2	3360	HVAC
RECEPTACLE / CLOCK	(5)	900		20	1	3		4		3360	HVAC
INT. / EXT. LIGHTS	(25)	900		20	1	5		6	2	2500	HVAC (HS)
INTERIOR LIGHTS	(24)	840		20	1	7		8		2500	HVAC (HS)
FA (DEDICATED)		40						10			
								11			
								12			
WATTS/PHASE		A = 7,520		1660		1740		5860		B = 7,600	
TOTAL		15,555		WATTS		65		AMPS		120/240 VOLTS	
NCL = 13,380 W										SINGLE # THREE WIRE	

- ### GENERAL GROUNDING NOTES
- EACH BUILDING SHALL BE SEPARATELY GROUNDING WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP. (BY SITE ELECTRICAL)
  - TESTING: TEST FOR RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (BY SITE ELECTRICAL)
  - PROVIDE EQUIPMENT ANCHORAGE PER TITLE 24, TABLE 16-4, PART B.
  - APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION, EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.
  - GROUNDING TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH C.E.C. ARTICLE 250.

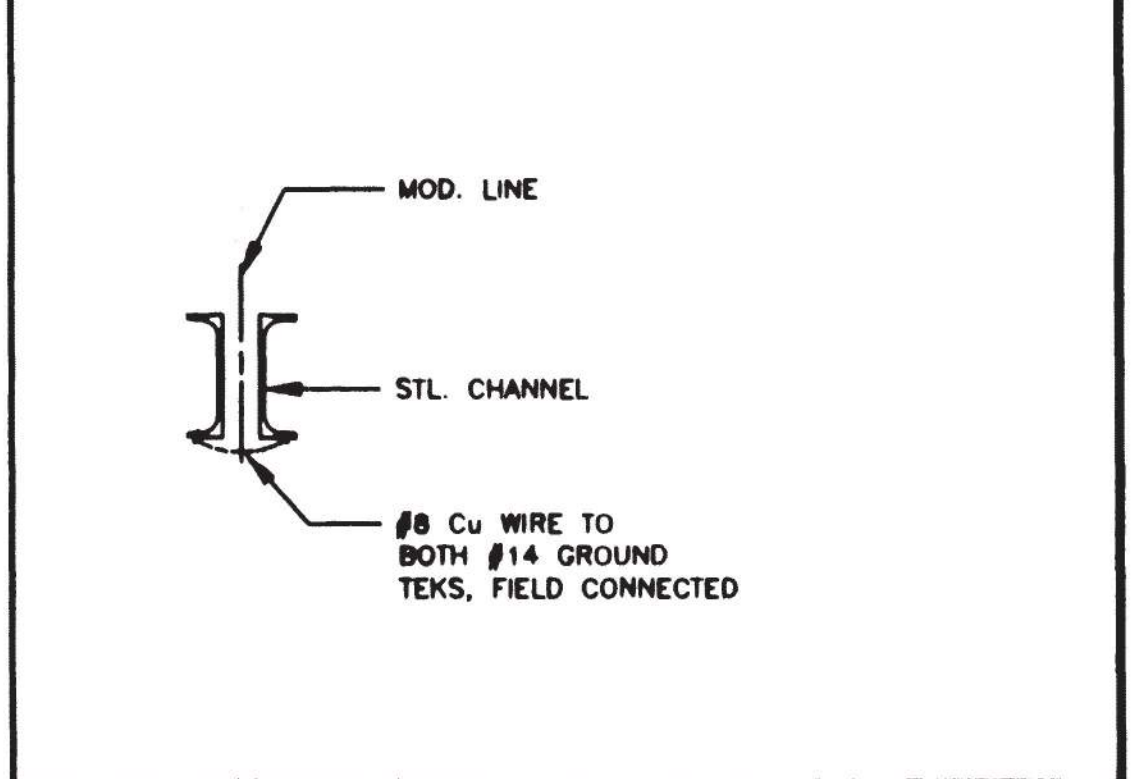
- ### ELECTRICAL LEGEND
- 2'x4' 4 TUBE FLUORESCENT LIGHT FIXTURE
  - EXTERIOR LIGHT FIXTURE AT +93" AFF
  - DUPLEX WALL RECEPTACLE 15-A 125-V 3-WIRE AT +18" AFF U.N.O.
  - HVAC UNIT (HV)
  - 4s 'J' BOX FOR INT. FA PULL BOX. +48" AFF 3/4" CO TO PULLSTRING.
  - 4s 'J' BOX FOR EXT. HORN/BELL. +96" AFF 3/4" CO TO PULLSTRING.
  - WEATHER PROOF GUTTER BOX + 18" AFF RECEIVE 3/4" CO FROM PULLSTRING.
  - ELECTRICAL PANEL. + 60" AFF (1/4") 1/4" POWER NIPPLE FOR GROUND JUMPER BY SITE ELEC.
  - SWITCH +48" A.F.F.
  - CLOCK. + 96" AFF
  - 4s 'J' BOX FOR INT. FA STROBE AT +80" AFF 3/4" CO TO PULLSTRING.



**ELECTRICAL PLAN (24' X 40')**  
 1/4" = 1'-0"



**TYP GROUNDING DETAIL** 1



**GROUND JUMPER • MOD LINE** 2

- ### NOTES
- SCHOOL EQUIPMENT ANCHORAGE  
 THE FOLLOWING IS FOR THE ARCHITECTS INFORMATION ONLY:  
 THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24, SECTION 163042(a) AND TABLE 16-4 ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIP. WEIGHING LESS THAN 400 LBS. & HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS. MAY BE OMITTED FROM THE PLANS.  
 FOR ELECTRICAL DRAWINGS:  
 ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:  
 EQUIPMENT ON GRADE: 20% OF OPERATING WEIGHT  
 EQUIPMENT ON STRUCTURE: 30% OF OPERATING WEIGHT  
 FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 X THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 X THE HORIZONTAL FORCE.  
 THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE - 2 = 0.4.  
 WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	Division of the State Architect

REVISIONS

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architects Seal

Division of the State Architect

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 OFFICE OF REGULATION SERVICES  
**PC-266**  
 DATE: JUN 25 1996

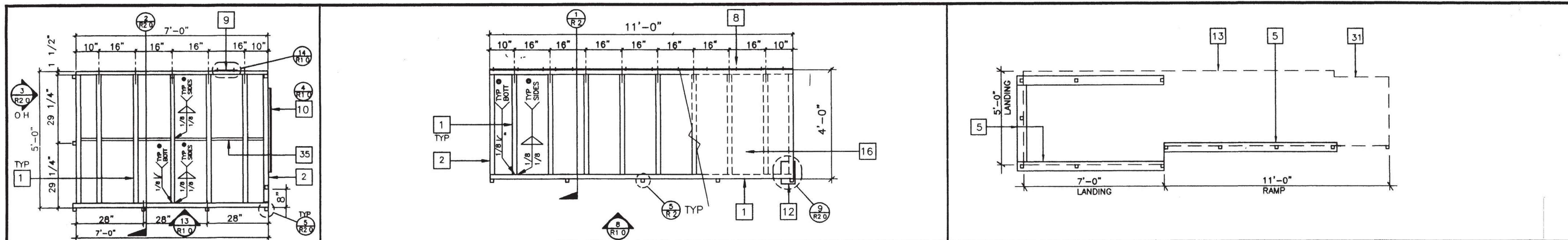
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 PH (909) 943-4014  
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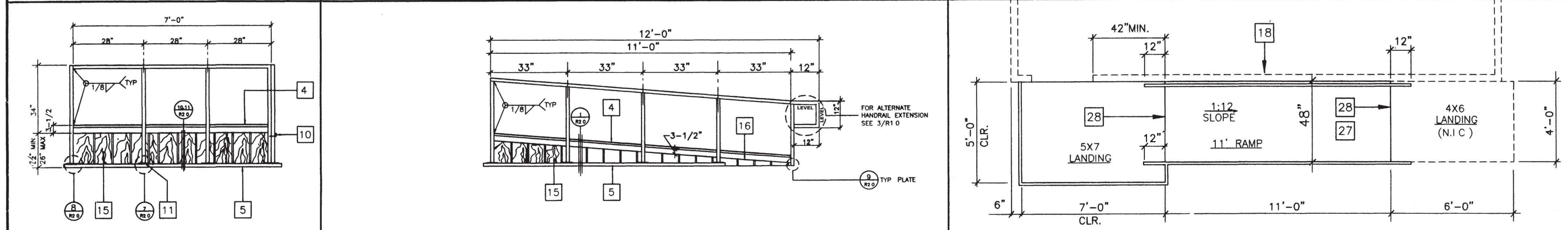
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 MODTECH Index No. [Signature]

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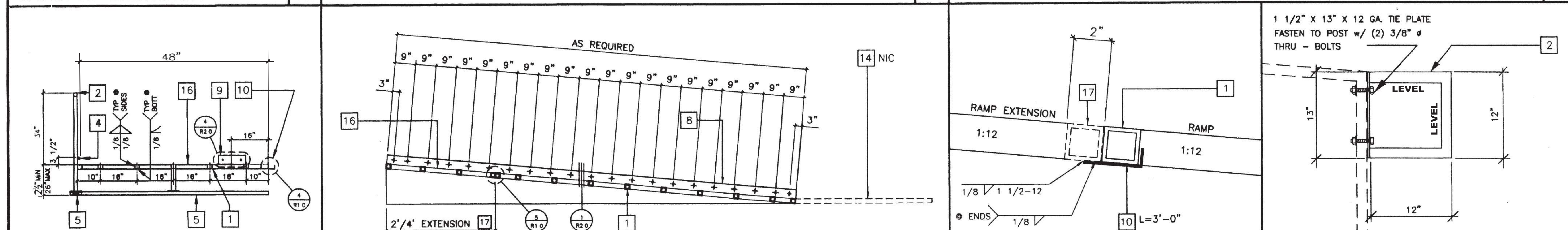
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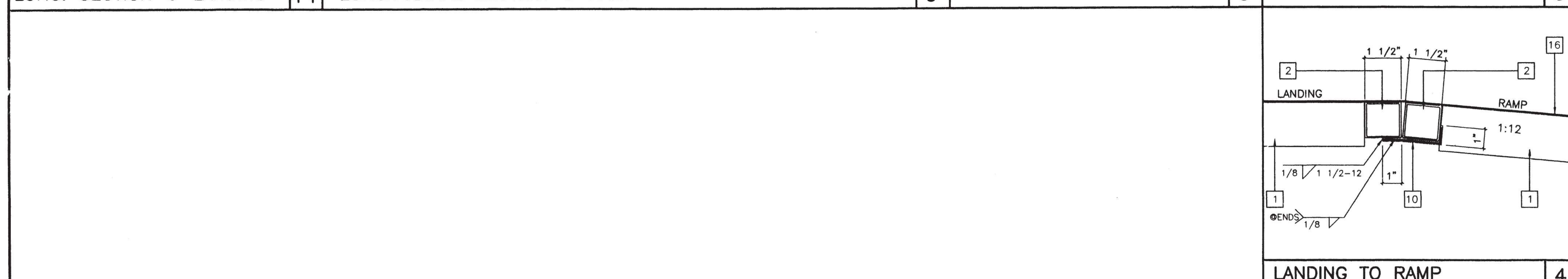
LANDING FRAME 12 RAMP FRAME 7 SILL PLAN FOR RAMP AND LANDING 3/8" 1



LANDING ELEVATION 13 RAMP ELEVATION 8 RAMP AND LANDING AT BUILDING 3/8" 2



LONG. SECTION @ LANDING 14 LONGITUDINAL SECTION @ RAMP 9 RAMP EXTENSION TO RAMP 5 GUARD RAIL EXTENSION 3



LANDING TO RAMP 4

- ### KEY NOTES
- TS 2" x 2" x 14ga
  - TS 1 1/2" x 1 1/2" x 14ga (Fy = 39KSI)
  - TS 1" x 1" x 16ga WHEELCHAIR GUIDE
  - 2 x 6 PT SILL PLATE
  - 6" x 10ga CONT. PLATE W/ 1/4" x 2" TEK SCREWS @ 9" OC INTO WOOD OR FOUND. BLOCKS OR #14 x 2" TEK SCREWS INTO STEEL @ 9" OC
  - 6" x 12" x 10ga PLATE W/ 2-1/4" x 3" LAGS TO STRUCTURAL FRAME OF BUILDING
  - 3" x 1" x 3'-0" x 10ga BENT PLATE
  - 2" x 4" x 12ga BASE PLATE W/ 2-1/4" x 1" LAGS
  - 6" x 10" x 12ga BASE PLATE @ RAMP TOE
  - LINE OF RAMP/LANDING ABOVE
  - LOWER LANDING BY DISTRICT
  - SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH W/ 6d @ 6" OC EDGES AND 12" OC FIELDS AT EDGE CONNECTION TO T.S. USE #14 x 2" TEK SCREWS @ 6" OC
  - 12ga METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 0.6. MAINTAINABLE FOR 1 YR.
  - RAMP EXTENSION FRAME.
  - EXISTING BUILDING.
  - RAMP BY MODTECH
  - FLUSH TRANSITION
  - NOTCH BOTTOM PLATE (MUD SILL) AS REQUIRED TO CLEAR RAMP TOE. MAX NOTCH 1 1/2" x 4'-0" LONG.
  - TS 1" x 1" x 10ga

- ### NOTES
- RAMPS: - RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"
  - HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP AT 34" HT.
  - SURFACE: LANDING & RAMP TO HAVE NON SLIP SURFACE. AMCOR GRIP II AS MANUFACTURED BY AMERICAN CHEMICAL COMPANY (OR EQUAL)
  - GROUNDING: PROVIDE GROUNDING OF RAMP TO BLDG FRAME W/ #8 CU TO BOTH GROUND LUGS.
  - ARCHITECT SITE / RAMP / LANDING PLANNING: DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 28". THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 28'-0" AT A SLOPE OF 1:12 ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY MODTECH INC. IS 11'-0" AT A SLOPE OF 1:12 THEREFORE THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS MODTECH INC. RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON SHEET R-1.
  - ALL 1 1/4" AND 1 1/2" TUBE STEEL TO BE OF ASTM A500 GRADE A STEEL (Fy = 39 KSI)

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architect's Seal

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 PC 266  
 AC FLS  
 DATE JAN 21 1997  
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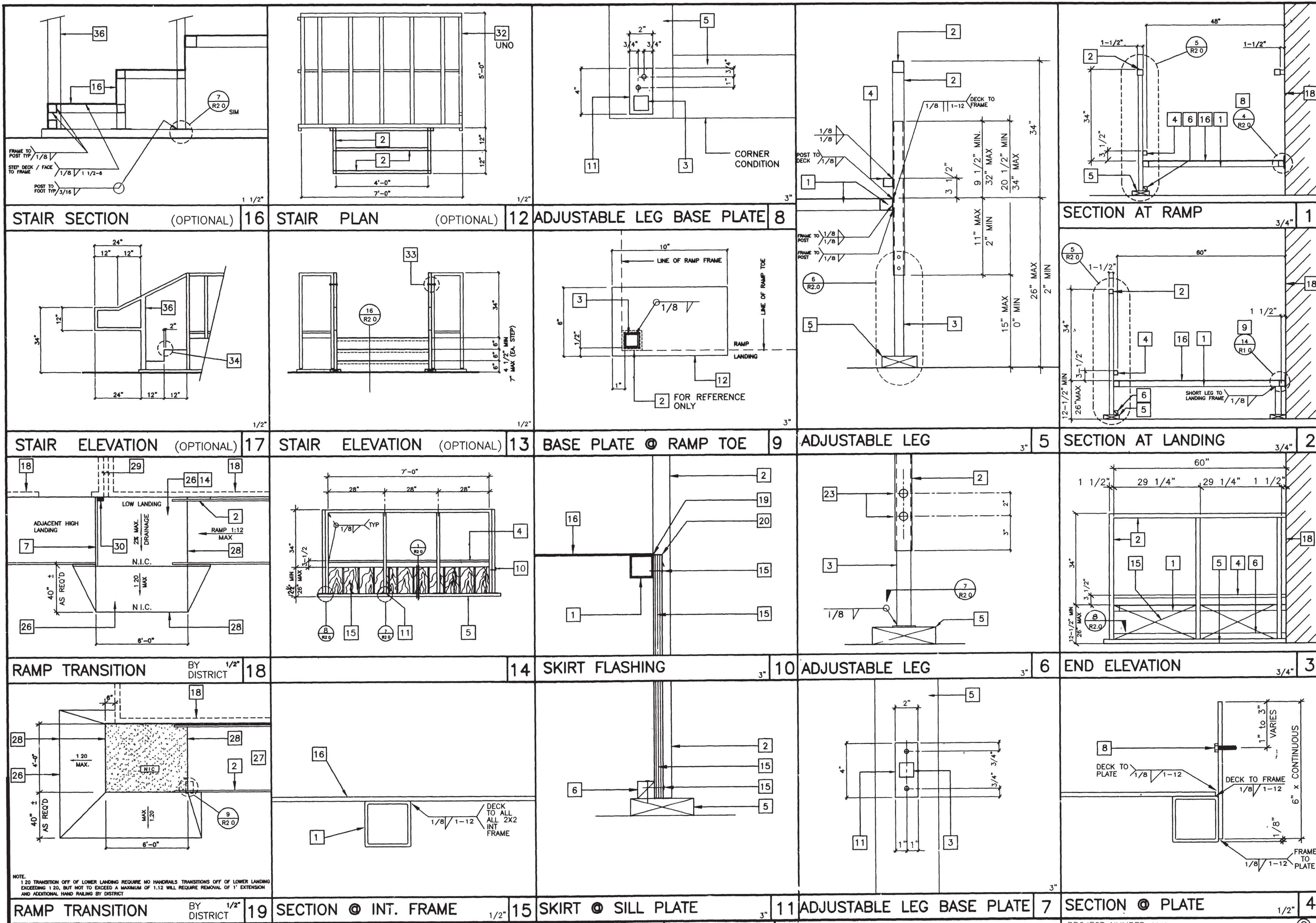
**MODTECH INC.**  
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PROJECT NUMBER: 2319  
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drawn by FVH  
 date 11/96  
 checked by  
 date  
 Modtech project no.  
 MODTECH Index No.  
**R1.0**

**RAMP / LANDING**

Project # PC 266



- KEY NOTES**
- 1 TS 2" x 2" x 14ga
  - 2 TS 1 1/2" x 1 1/2" x 14ga (Fy = 39 KSI)
  - 3 TS 1 1/4" x 1 1/4" x 14ga (Fy = 39 KSI)
  - 4 TS 1" x 1" x 18ga WHEELCHAIR GUIDE
  - 5 2 x 6 PT SILL PLATE
  - 6 2 x 2 NAILER W/16d @ 12" OC
  - 7 2 x RW HEADER BY DISTRICT.
  - 8 6" x 10ga CONTINUOUS PLATE W/ #14 x 2" TEK SCREWS @ 9" OC INTO WOOD OR FOUNDATION BLOCKS OR #14 x 2" TEK SCREWS INTO METAL @ 9" OC
  - 11 2" x 4" x 12ga BASE PLATE W/2-1/4" x 1" LAGS
  - 12 6" x 10" x 12ga BASE PLATE @ RAMP TOE.
  - 14 LOWER LANDING BY DISTRICT
  - 15 SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH W/8d @ 6" OC EDGES AND 12" OC FIELD. AT EDGE CONNECTION TO T.S. USE #14 x 2" TEK SCREWS @ 6" OC
  - 16 12ga METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 0.8. MAINTAINABLE FOR 1 YR.
  - 18 EXISTING BUILDING.
  - 19 CAULKING
  - 20 26 ga FLASHING
  - 23 3/8" dia x 2" LONG MB W/NUT & WASHERS
  - 26 PAVE BY DISTRICT.
  - 27 RAMP BY MODTECH
  - 28 FLUSH TRANSITION
  - 29 3" MINIMUM BUILDING SERERATION
  - 30 PROVIDE DIVERSION FOR WATER FROM DOWNSPOUT FOR THIS CONDITION. BY DISTRICT
  - 32 FOR LANDING DETAILS AND RAMP ATTACHMENT SEE 12/R1.0
  - 33 FASTEN POSTS W/ 3/8" # THRU BOLT. TYPICAL
  - 34 2" WARNING STRIPES MAX 1" FROM EVERY STAIR NOSING. USE CONTRASTING COLOR.
  - 36 TS 2 1/2" x 1 1/2" x 8ga ASTM A500 GRADE A

**REVISIONS**

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3		

Electrical Engineer's Seal  
 Mechanical Engineer's Seal  
 Structural Engineer's Seal  
 Architects Seal

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 PC 266  
 AC: FLS: SS: [Signature]  
 DATE: JAN 2 1 1997  
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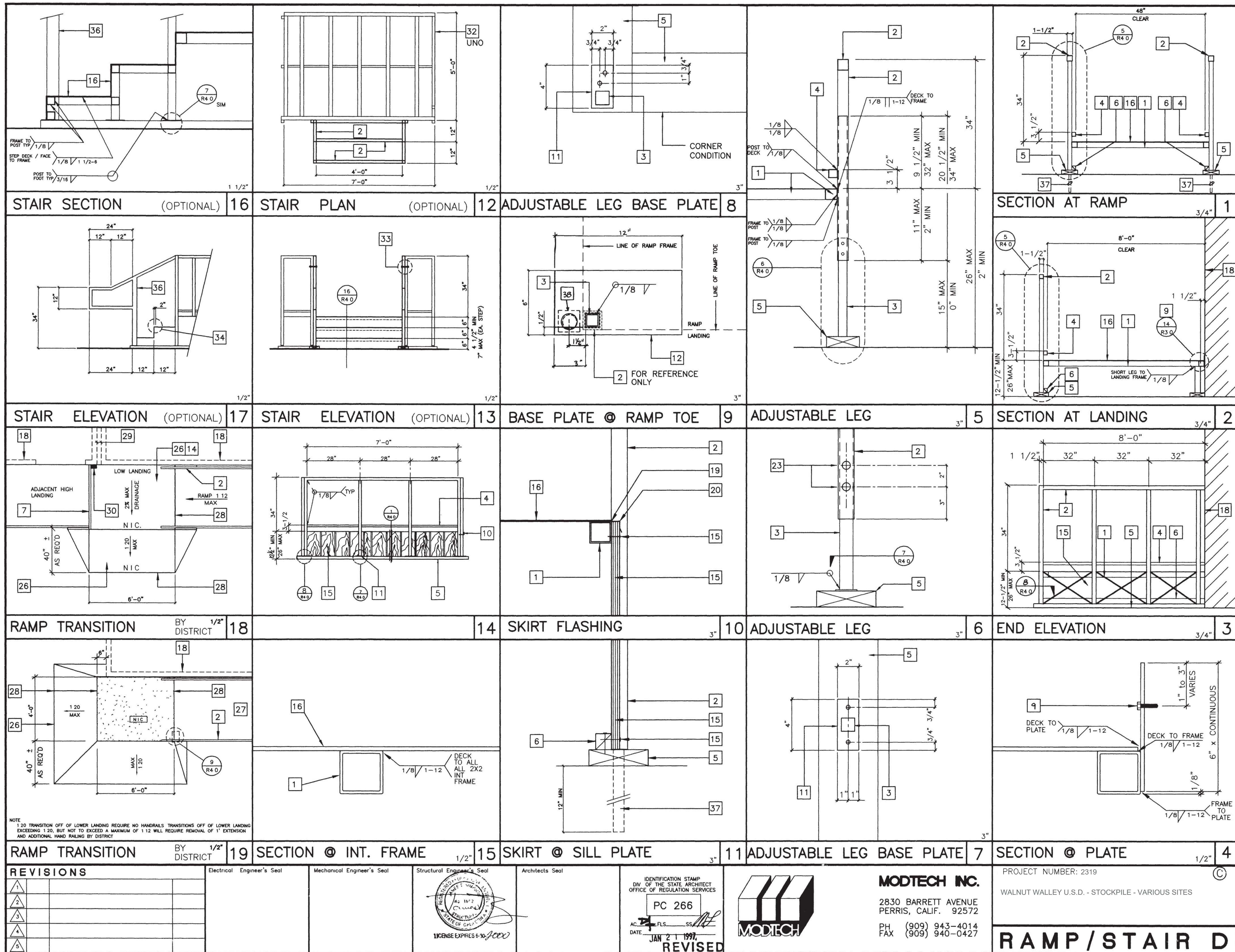
**MODTECH INC.**  
 2830 BARRETT AVENUE  
 PERRIS, CALIF. 92572  
 PH (909) 943-4014  
 FAX (909) 940-0427

PROJECT NUMBER: 2319  
 WALNUT VALLEY U.S.D. - STOCKPILE - VARIOUS SITES  
 © MODTECH, INC.

drawn by: FWH  
 date: 11/96  
 checked by:  
 date:  
 Modtech project no.  
 MODTECH Index No.

**RAMP/STAIR DETAILS R2.0**





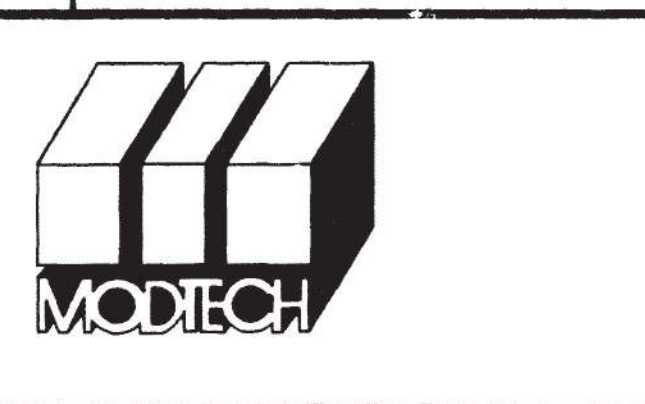
- KEY NOTES**
- 1 TS 2" x 2" x 14ga
  - 2 TS 1 1/2" x 1 1/2" x 14ga (Fy = 39 KSI)
  - 3 TS 1 1/4" x 1 1/4" x 14ga (Fy = 39 KSI)
  - 4 TS 1" x 1" x 16ga WHEELCHAIR GUIDE
  - 5 2 x 6 PT SILL PLATE
  - 6 2 x 2 NAILER W/16d @ 12" OC
  - 7 2 x RW HEADER BY DISTRICT.
  - 11 2" x 4" x 12ga BASE PLATE W/2-1/4" x 1" LAGS
  - 12 6" x 10" x 12ga BASE PLATE @ RAMP TOE.
  - 14 LOWER LANDING BY DISTRICT
  - 15 SKIRTING: PLYWOOD TO MATCH BUILDING SIDING, BLOCK ALL EDGES, ATTACH W/8d @ 6" OC EDGES AND 12" OC FIELD. AT EDGE CONNECTION TO T.S. USE #14 x 1" TEK SCREWS @ 6" OC
  - 16 12ga METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 0.08. MAINTAINABLE FOR 1 YR. EXISTING BUILDING.
  - 18 CAULKING
  - 20 26 ga FLASHING
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  - 34 2" WARNING STRIPES MAX 1" FROM EVERY STAIR NOSING. USE CONTRASTING COLOR.
  - 36 TS 2 1/2" x 1 1/2" x 8ga ASTM A500 GRADE A
  - 37 SILL RESTRAINT PIPE 1" @ - 12" MIN. EMBEDDMENT
  - 38 SILL RESTRAINT PIPE 1" @ - 12" MIN. EMBEDDMENT W/ 2" x 2" x 1/4" CAP PLATE WELDED TO PIPE.

**REVISIONS**

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Electrical Engineer's Seal  
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 date 11/96  
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 date  
 Modtech project no.  
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**RAMP/STAIR DETAILS**

Project #  
 P2319R20.DWG  
 PC 266