

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 the 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 hardship 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 noncompliant beyond reasonable construction tolerances, they shall be brought into compliance with the CBC as a part of this project by means of a construction change document.

SITE PLAN
MUNSEY ELEMENTARY SCHOOL

SCALE: 1" = 40'

GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS PRIOR TO BID. IF ANY DISCREPANCIES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED IN WRITING.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF LAYOUTS AND ESTABLISHED LOCATIONS OF BURIED UTILITY LINES. ANY UTILITIES REQUIRING RELOCATION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR CONTACT APPLICABLE GOVERNING AGENCIES REGARDING ARRANGEMENT AND COORDINATION OF WORK.
- C. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY COMPACTION RETEST DUE TO INITIAL FAILURE.
- D. PROJECT INSPECTOR SHALL BE EMPLOYED BY THE OWNER, APPROVED BY THE RESPONSIBLE ARCHITECT AND DSA.
- E. A COPY OF TITLE-24, ALL PARTS APPLICABLE, TO BE KEPT AT THE JOB SITE AT ALL TIMES.
- F. ADDENDA SHALL BE SIGNED BY THE ARCHITECT (RESPONSIBLE IN CHARGE) AND APPROVED BY DSA.
- G. C.C.D.s SHALL BE SIGNED BY THE ARCHITECT (RESPONSIBLE IN CHARGE), OWNER AND APPROVED BY DSA.
- H. TESTING LAB SHALL BE EMPLOYED BY THE OWNER, APPROVED BY THE RESPONSIBLE ARCHITECT AND DSA.
- I. ALL WORK SURFACES DISTURBED OR DAMAGED BY THE CONSTRUCTION ACTIVITIES SHALL BE REPAIRED IN KIND, TEXTURED AND FINISHED TO MATCH ADJACENT SURFACES.
- J. NEW CONCRETE WALKS SHALL HAVE SLOPES NOT TO EXCEED 1 IN 20 IN THE DIRECTION OF PATH OF TRAVEL. PROVIDE CONTROL JOINTS ("C.J.") AT 5'-0" o.c. MAX. AND EXPANSION JOINTS NOT TO EXCEED 30'-0" MAX. PROVIDE MEDIUM BROOM FINISH ON ALL WALKS.
- K. ALL BUILDING AND ROOM NAMES INDICATED ON THESE CONSTRUCTION DOCUMENTS ARE "NOT" THE ACTUAL BUILDING/ ROOM SIGNAGE DESIGNATION. THE GENERAL CONTRACTOR SHALL FURNISH, INSTALL AND COORDINATE ALL REQUIRED SIGNAGE WITH THE OWNER/ARCHITECT PRIOR TO STARTING CONSTRUCTION.
- L. GENERAL CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE RELOCATABLE BUILDING DELIVERY DATES TO THE SCHOOL SITE WITH THE MFR.
- M. THE GENERAL CONTRACTOR SHALL CONSTRUCT ALL NEW RELOCATABLE BUILDING FOUNDATIONS AS PER THE RELOCATABLE BUILDING MANUFACTURER'S DRAWINGS AND SPECIFICATIONS.
- N. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL HOOK-UPS TO THE RELOCATABLE BUILDINGS AFTER INSTALLATION HAS BEEN COMPLETED BY THE MANUFACTURER.
- O. 5'-0" DEEP x 5'-0" WIDE MINIMUM LANDINGS AT DOORWAYS SHALL BE AS DETAILED AND SHALL HAVE SLOPES (IN ANY DIRECTION) OF NOT GREATER THAN 1/4 IN 12 SLOPE. SLOPES SHALL BE AWAY FROM DOORWAYS.
- P. GENERAL/SITE CONTRACTOR SHALL FIELD VERIFY THAT EXISTING PATH OF TRAVEL (P.O.T.) IS A MINIMUM OF 4'-0" WIDE AND IS SLIP RESISTANT. IF IT IS NOT, THEN THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF RECORD AND A REMEDY OR ALTERNATE P.O.T. WILL BE PROVIDED.
- Q. THE MAXIMUM DROP BETWEEN EXISTING FINISHED GRADES AND THE TOP OF THE P.O.T. SHOULD NOT EXCEED 4". IF IT DOES, PROVIDE THE NECESSARY WARNING CURB PER CBC SEC. 11B-303.5.

FLOOD ZONE INFO

FLOOD ZONE DESIGNATION: ZONE X (0.2%)
 F.I.R.M. PANEL DESIGNATION: 06029C2281E
 EFFECTIVE DATE OF F.I.R.M.: 09 / 26 / 2008
 BASE FLOOD ELEVATION (BFE): ~400 FT.
 COMMUNITY ORDINANCE SECTION: BMC 15.74.040

KEY NOTES

1. EXISTING CHAIN LINK FENCE AND GATE TO REMAIN. PROVIDE W/ KNOX BOX LOCK PER KERN COUNTY STANDARDS
2. EXISTING 20' WIDE FIRE TRUCK ACCESS LAKE
3. PROPOSED 20' WIDE FIRE TRUCK ACCESS LAKE OVER EXISTING AC-PAVING, APPROVED BY THE LOCAL JURISDICTION.
4. EXISTING CONCRETE WALKWAY
5. EXISTING SAND PLAY AREA TO REMAIN.
6. EXISTING FIRE HYDRANT TO REMAIN
7. EXISTING BASKETBALL COURT.
8. EXISTING BOYS AND GIRLS RESTROOM PER DSA A#03-112985
9. EXISTING ACCESSIBLE PATH OF TRAVEL PER DSA A# 03-112985
10. EXISTING AC PAVING TO REMAIN
11. PROPOSED ACCESSIBLE PATH OF TRAVEL (P.O.T.) REFER TO ACCESSIBILITY NOTES THIS SHEET
12. EXISTING TURF TO REMAIN
13. EXISTING MODULAR BUILDING TO BE RELOCATED OFF-SITE
14. EXISTING MODULAR BUILDING TO BE RELOCATED ON-SITE
15. EXISTING BOYS AND GIRLS RESTROOMS TO REMAIN
16. NEW ACCESSIBLE RESTROOM DIRECTIONAL SIGNAGE, MOUNTED @ +60" AFF, SEE 6/A1.03
17. REMOVE (E) DRINKING FOUNTAIN AND INSTALL NEW ACCESSIBLE HI-LOW DRINKING FOUNTAIN, SEE 7/A1.03
18. (E) SITE ENTRANCE/ TRUCK ALLEY SIGN PER DSA A# 03-112985

ACCESSIBILITY NOTES

- ARCHITECT HAS INSPECTED THE PATH OF TRAVEL (P.O.T.) AS INDICATED ON THE PLANS AND HAS FOUND IT TO BE, OR HAS INDICATED ON THE PLANS REMEDIAL WORK WHICH WOULD CAUSE IT TO BE, A BARRIER-FREE ACCESSIBLE ROUTE:
- AT LEAST 48" IN WIDTH; OR AS APPROVED BY CODE
 - FREE OF ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING 1/2"
 - WITH A FIRM, STABLE, AND SLIP RESISTANT WALKING SURFACE
 - WITH A RUNNING SLOPE OF 1:20 (5%) OR LESS AND WITH A CROSS SLOPE OF 1:50 (2%) OR LESS OR A RAMP WITH A RUNNING SLOPE OF 1:12 (8.33%) AND A CROSS SLOPE OF 1:50 (2%) WITH APPROPRIATE REQUIREMENTS AS DETAILED WITHIN THIS SET OF DOCUMENTS.
 - IS FREE OF OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE WALKING SURFACE
 - IS FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE

LOCAL FIRE AUTHORITY REVIEW

DSA 810 LOCAL FIRE AUTHORITY REVIEW

To facilitate the Division of the State Architect's (DSA) approval of the FireLife Safety portion of a project, DSA requires Local Fire Authority (LFA) review of certain elements as identified in this form. Use of this form is mandatory for projects that add square footage to a campus or if any item on this form is relevant to the project. For additional information, see DSA 810 Instructions and DSA Policy 09-01.

PROJECT INFORMATION
 School District/Owner: BAKERSFIELD CITY SCHOOL DISTRICT
 Project Name/School: MUNSEY ELEMENTARY SCHOOL
 Project Address: 3801 BRAVE AVENUE, BAKERSFIELD, CA 93307

LOCAL FIRE AUTHORITY (LFA)
 LFA Agency Name: KERN COUNTY FIRE DEPARTMENT
 LFA Reviewer Name: Jim Kilgus Title: F15-2
 Email: Telephone Number: (661) 391-7090

I have reviewed and responded to the applicable items for this project as listed below.
 Note: Only sign this form when it is stamped onto the site plan. A loose form is not acceptable to DSA.
 LFA Reviewer's Signature: [Signature] Date: 9/16/15

Review Key: "Y" = Complies with LFA Requirements "N" = Not approved (complete Section 8)
 "NA" = Not applicable to this project "NR" = LFA elects not to review

Description	Y	N	NA	NR
1 Where an elevator does not meet medical emergency service cab size, per the California Building Code (CBC), use of stairways for emergency rescue and patient transport is acceptable.			X	
2 Access roads, fire lane markings, pavers and gate entrances are in accordance with Title 16, California Code of Regulations & the California Fire Code, Chapter 5.	X			
3 Fire hydrant location and distribution complies with the California Fire Code (or see #4).	X			
4 Fire hydrant location and distribution complies with NFPA 1142, "Alternate Means". If "NR" is checked, DSA can only approve on-site water storage as an alternate. The signature of the school district official is required to acknowledge use of alternate means.				
5 The location(s) of the proposed post indicator valve and fire department connection meet the requirements of this jurisdiction.				X
6 The location(s) of the detector check valve assembly meet the requirements of this jurisdiction.				X
7 Is the project located in a hazard severity zone area? (CBC, Chapter 7A, Section 701A.)				X
8 Check type if "Yes": <input type="checkbox"/> Moderate <input type="checkbox"/> High <input type="checkbox"/> Very High <input type="checkbox"/> WFA (If one of these boxes is checked, the project design must meet the requirements of Chapter 7A.)				

Print the School District Official's Name: _____ Date: _____

COMMENTS (note deficiencies): _____

DSA 810 (rev 05-12-14)

PARKING

PARKING LOT #1
 TOTAL STALLS PROVIDED: 16 STALLS
 ACCESSIBLE STALLS REQUIRED: - 1 VAN STALL
 ACCESSIBLE STALLS PROVIDED: - 1 VAN STALL

PARKING LOT #2
 TOTAL STALLS PROVIDED: 10 STALLS
 ACCESSIBLE STALLS REQUIRED: - 1 VAN STALL
 ACCESSIBLE STALLS PROVIDED: - 1 VAN STALL

PARKING LOT #3
 TOTAL STALLS PROVIDED: 16 STALLS
 ACCESSIBLE STALLS REQUIRED: - 1 VAN STALL
 ACCESSIBLE STALLS PROVIDED: - 1 VAN STALL

LEGEND

- INDICATES EXISTING BUILDING TO REMAIN (NO WORK)
- INDICATES NEW PORTABLE BUILDING UNDER THIS APPLICATION
- INDICATES PROPOSED FIRE TRUCK ACCESS OVER A.C. PAVING
- HALF-TONE DASHED LINE INDICATES EXISTING ACCESSIBLE PATH OF TRAVEL PER DSA A# 03-112985
- INDICATES PROPOSED ACCESSIBLE PATH OF TRAVEL, THIS APPLICATION

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 6011 N. Fresno, Suite 130 - Fresno, California 93710
 Phone (559) 438-0881 Fax (559) 438-0887 E-Mail: design@integratedesigns.com
 www.integratedesigns.com

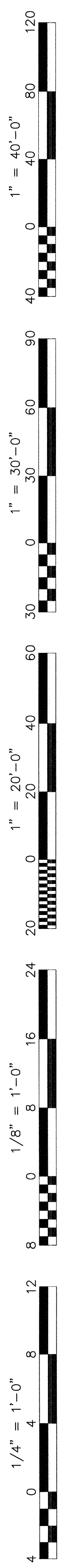
SITE PLAN
 4 RELOCATABLE CLASSROOMS
 MUNSEY ELEMENTARY SCHOOL
 BAKERSFIELD CITY SCHOOL DISTRICT
 3801 BRAVE AVENUE, BAKERSFIELD, CA 93307

Sheet Title: _____
 Sheet No.: **A1.01**

Date: 9/23/15
 Date: 09/18/15
 Designer: _____
 DR: _____
 PC: JMF

Agency Approval Stamp:
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPROX 116574
 ACAS FLS / SSS
 DATE SEP 23 2015

Job No.: **5156**
 Release: _____



**ENLARGED SITE PLAN
MUNSEY ELEMENTARY SCHOOL**

SCALE: 1" = 20'

RAMP HANDRAIL NOTES

A. ALL RAMP HANDRAILS SHALL HAVE ROUNDED OR BEVELED EDGES. CONTRACTOR TO FIELD VERIFY CONDITION OF (E) HANDRAILS

B. ALL RAMP HANDRAILS SHALL HAVE A 1/2" MIN LEVEL EXTENSION.

- KEY NOTES**
- PROPOSED ACCESSIBLE PATH OF TRAVEL PER THIS APPLICATION. SEE ACCESSIBILITY NOTES, SHEET A1.01
 - EXISTING ACCESSIBLE PATH OF TRAVEL, VERIFY IN FIELD FOR COMPLIANCE
 - NEW TACTILE EXIT SIGN PER DETAIL 2/A1.03
 - NEW ROOM IDENTIFICATION AND ISA SIGNAGE, REFER TO DETAILS 3 & 4/A1.03
 - NEW 20' WIDE FIRE TRUCK ACCESS LANE OVER EXISTING AC PAVING, APPROVED BY THE LOCAL JURISDICTION.
 - NEW TEMPORARY PORTABLE BUILDINGS ON RAISED WOOD FOUNDATIONS WITH METAL RAMP SUPPLIED BY MANUFACTURER
 - EXISTING LANDSCAPE AREA TO REMAIN. NO WORK
 - EXISTING PLAYBOX TO REMAIN. NO WORK
 - EXISTING BUILDING TO REMAIN. NO WORK
 - EXISTING CONCRETE WALKWAY TO REMAIN. NO WORK
 - EXISTING A.C. PAVING TO REMAIN. NO WORK
 - NEW RAMP TRANSITION PER PC #04-104169 DETAIL 19/R1.02
 - NEW RAMP TRANSITION PER PC #04-100596 DETAIL 18/R2.0
 - NEW RAMP TRANSITION PER PC #67333 DETAIL 19/R2.0
 - CONTRACTOR SHALL PROVIDE AND INSTALL A RIGID METAL SCREEN FROM THE BOTTOM OF THE MECHANICAL UNIT TO FINISHED GRADE, PAINT

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ARCHITECTURE - ENGINEERING - INTERIOR DESIGN - CONSTRUCTION MANAGEMENT
6011 N. Fresno, Suite 130 - Fresno, California 93710
Phone (559) 439-0881 Fax (559) 439-0887 E-Mail: design@somam.com
www.integrateddesigns.com

Rev. No.	Rev. Date	Revision Description

- GENERAL NOTES**
- A. DETERIORATION OR EXISTING NON-COMPLIANT CONSTRUCTION:
IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CBC IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, THE CONDITION MUST BE CORRECTED IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS. A C.C.D. OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.
*PER DSA IR 16-1, SEC. 5.4
- B. CONTRACTOR SHALL ADJUST ALL DOOR CLOSERS TO A MAXIMUM OPENING FORCE OF 5 LBF

SERIAL NUMBER SCHEDULE

CLSRM	STKP #	SERIAL #
26	04-104169	57948 / 57949
36	04-100596	35591 / 35592
37	04-100596	35609 / 35610
T4	67333	25670 / 25671

SAFE DISPERSAL

TEMPORARY CLASSROOMS
 (4) NEW CLASSROOMS @ 960 S.F. EA. = 3,840 S.F.
 (2) (E) CLASSROOMS @ 960 S.F. EA. = 1,920 S.F.
 TOTAL = 5,760 S.F.

5,760 S.F. / 20 S.F. PER OCCUPANT = 288 OCCUPANTS
 288 OCCUPANTS x 5 S.F. / OCCUPANT 1,440 S.F. REQ'D
 30' x 48' = 1,440 S.F. PROVIDED

LEGEND

- INDICATES EXISTING BUILDING TO REMAIN (NO WORK)
- INDICATES NEW PORTABLE BUILDING UNDER THIS APPLICATION
- INDICATES PROPOSED FIRE TRUCK ACCESS OVER A.C. PAVING
- HALF-TONE DASHED LINE INDICATES EXISTING ACCESSIBLE PATH OF TRAVEL
- INDICATES PROPOSED ACCESSIBLE PATH OF TRAVEL, THIS APPLICATION

ENLARGED SITE PLAN

Project Name & Address:
**4 RELOCATABLE CLASSROOMS
MUNSEY ELEMENTARY SCHOOL**
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVENUE BAKERSFIELD, CA 93307

Sheet Title: ENLARGED SITE PLAN

Date: 9/23/15	Design: 09/18/15	DR: JMF	PC: JMF
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Agency Approval Stamp:

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
APP03 116574
AC: [Signature] FLS: [Signature] SS: [Signature] PC: [Signature]
DATE: SEP 23 2015

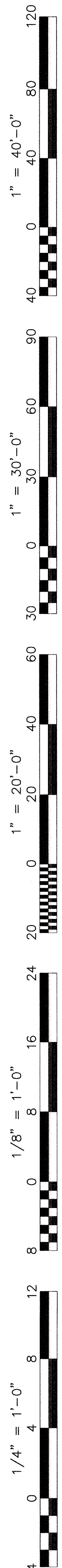
Stamp(s):

Job No.: **5156**

Sheet No.: **A1.02**

Release: -

LEGISLATED ARCHITECT
CURTIS E. FLYNN
No. C 28966
STATE OF CALIFORNIA

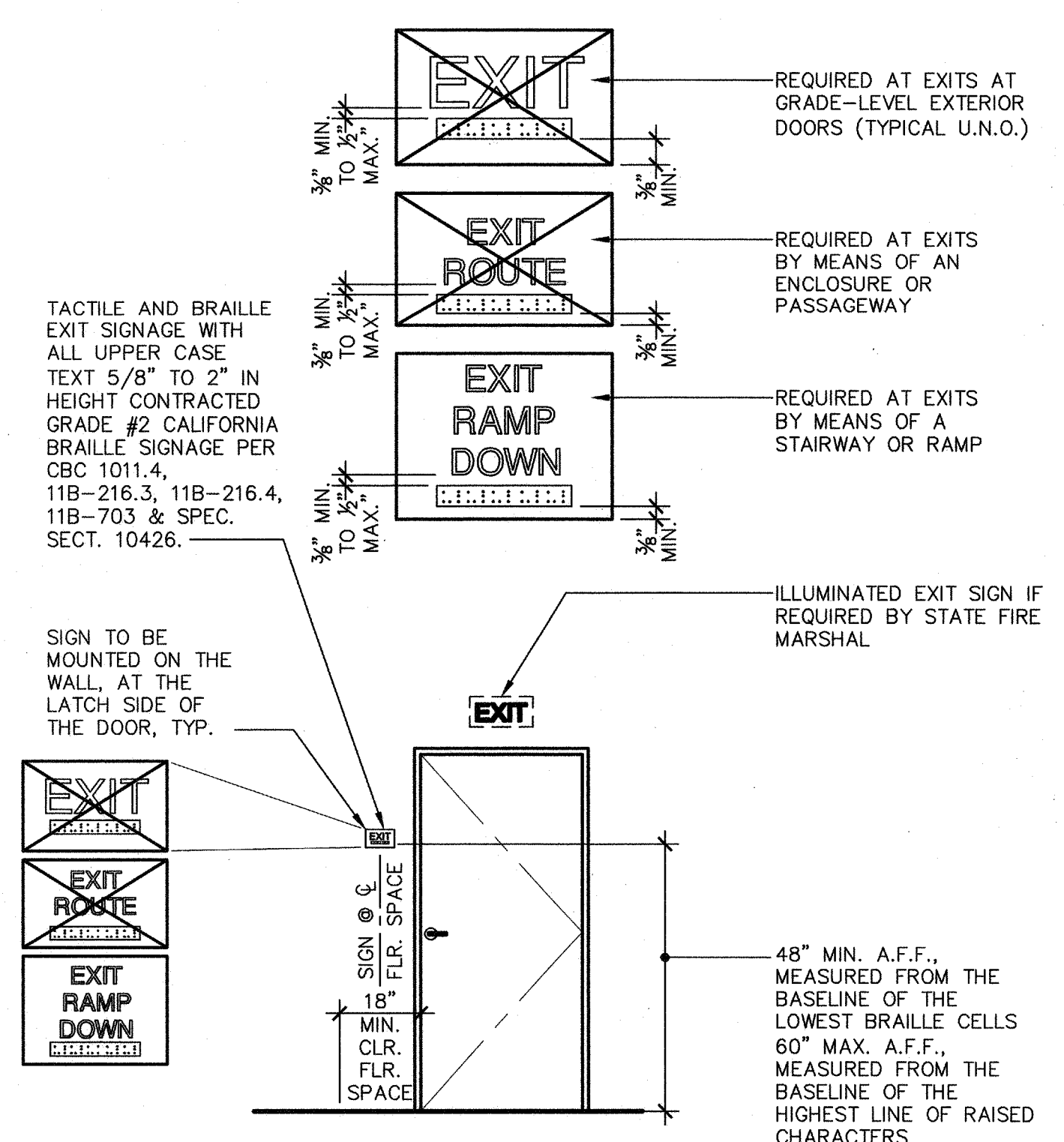


- NOTES:
- SIGNS TO BE CONSTRUCTED FROM 16 GA. METAL, PAINTED WITH BLUE ENAMEL FINISH WITH ISA SYMBOL, TEXT AND DIRECTIONAL ARROW IN A CONTRASTING COLOR
 - WHERE APPLICABLE, ATTACH SIGNS TO 2" Ø GALV. STL. PIPE WITH TAMPER RESISTANT HARDWARE

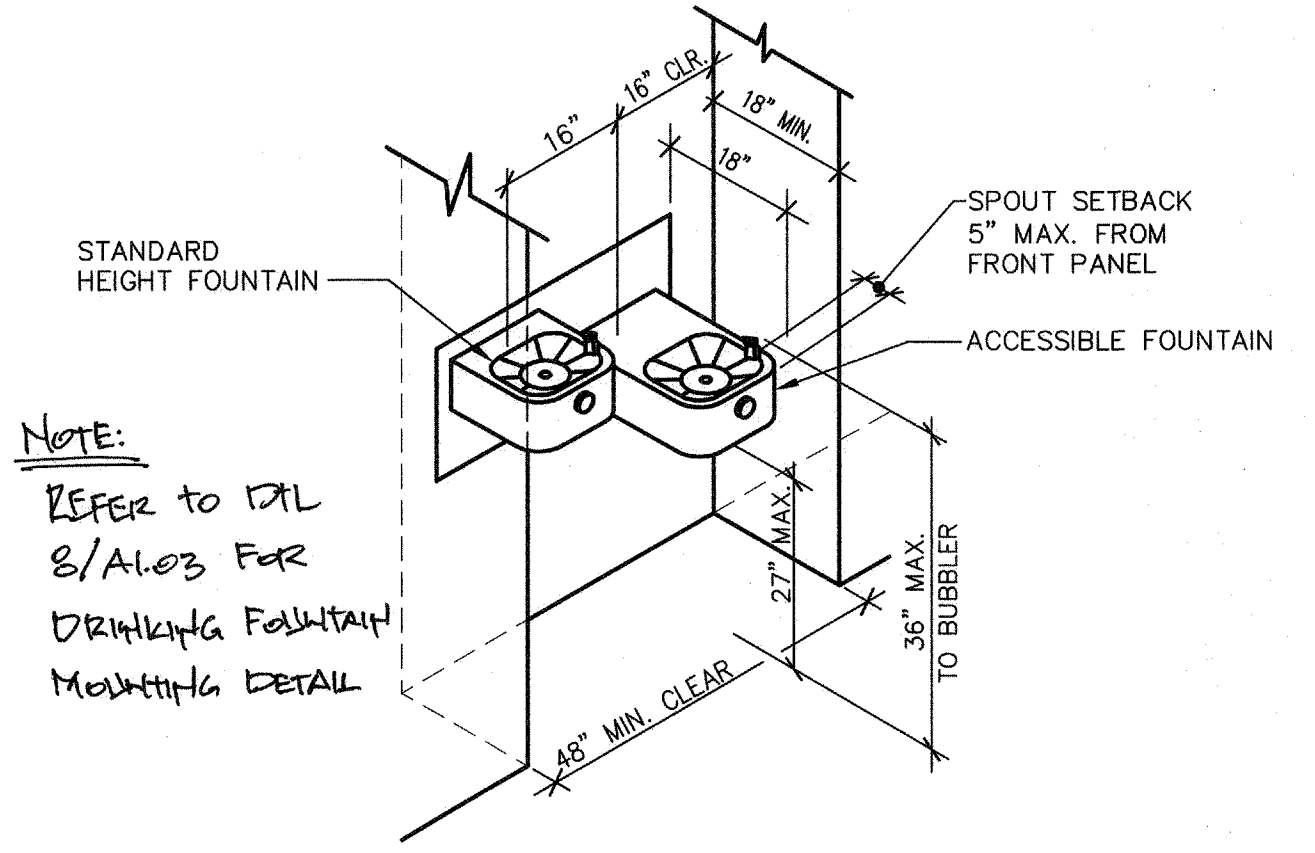
SIGNAGE TO COMPLY WITH CBC 11B-216.3, 11B-703.5

6 ACCESSIBLE RESTROOM DIRECTIONAL SIGNAGE
 A1.03 ADA100-04 SCALE: 3" = 1'-0"

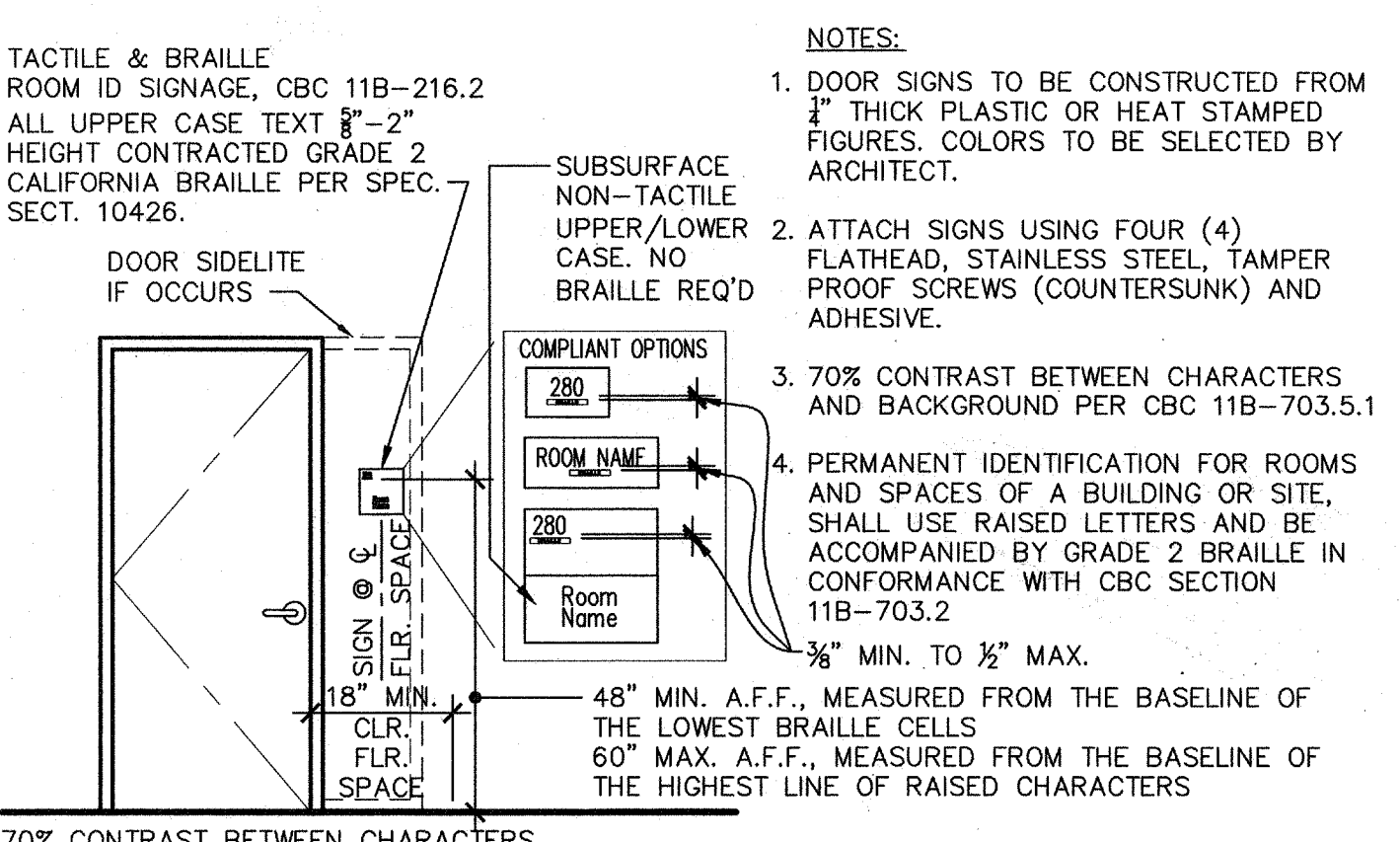
- NOTES:
- DOOR SIGNS TO BE CONSTRUCTED FROM 1/4" THICK PLASTIC OR HEAT STAMPED FIGURES. COLORS TO BE SELECTED BY ARCHITECT.
 - ATTACH SIGNS USING FOUR (4) FLATHEAD, STAINLESS STEEL, TAMPER PROOF SCREWS, (COUNTERSUNK) AND ADHESIVE.
 - 70% CONTRAST BETWEEN CHARACTERS AND BACKGROUND



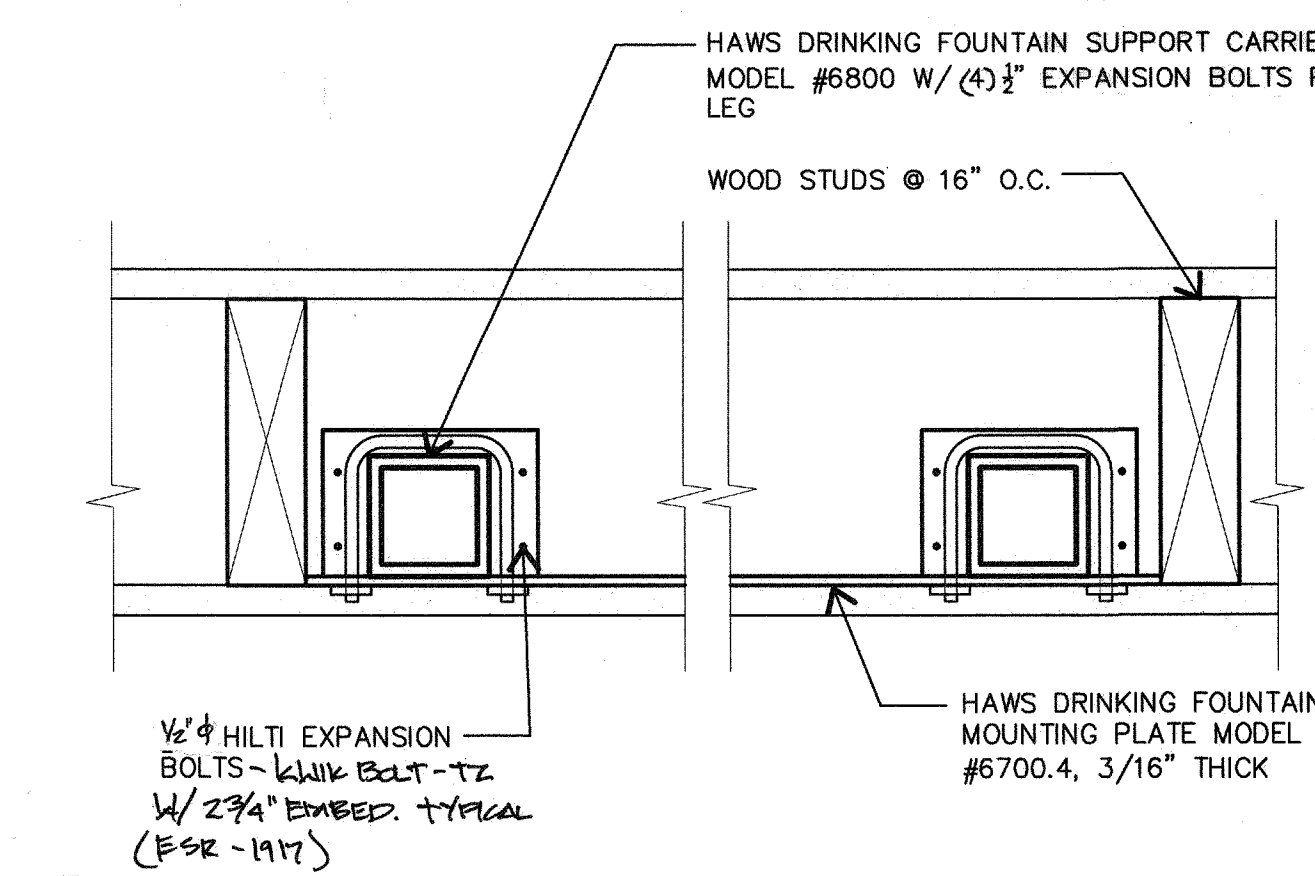
2 TYPICAL EXTERIOR DOOR SIGNAGE
 A1.03 ADX200-01 SCALE: 3/8" = 1'-0"



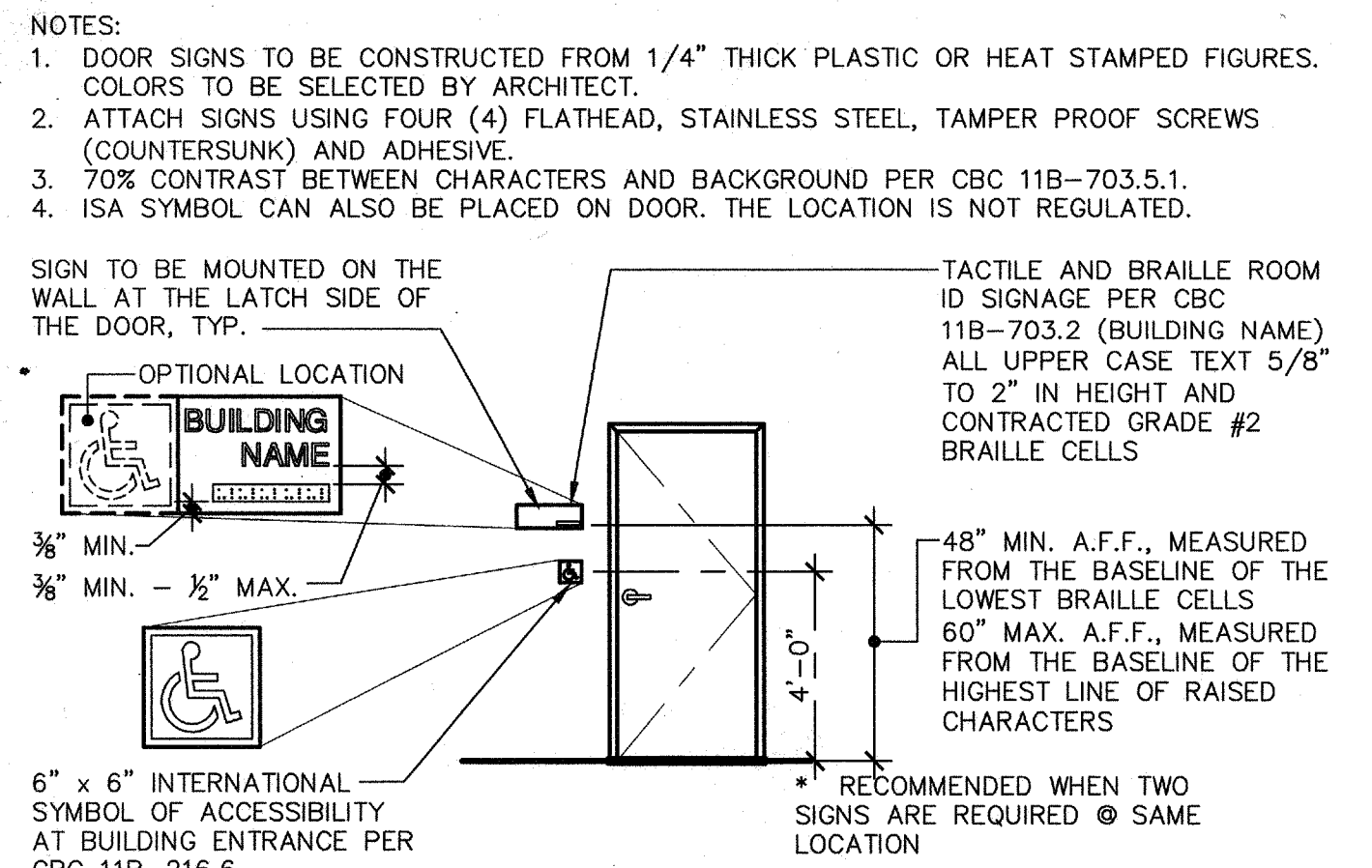
7 HI-LOW DRINKING FOUNTAIN
 A1.03 ADA000-15 SCALE: 1/2" = 1'-0"



3 ROOM ID SIGNAGE
 A1.03 ADX100-01 SCALE: NO SCALE



8 DRINKING FOUNTAIN SUPPORT
 A1.03 SCALE: 3" = 1'-0"



4 BUILDING ENTRANCE/ISA SIGNAGE
 A1.03 ADA100-01 SCALE: 1/4" = 1'-0"

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 Phone (559) 438-0881 Fax (559) 438-0887 E-Mail: design@somam.com
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Rev. No.	Date	Description

SITE DETAILS

4 RELOCATABLE CLASSROOMS
 MUNSEY ELEMENTARY SCHOOL
 BAKERSFIELD CITY SCHOOL DISTRICT
 3801 BRAVE AVENUE BAKERSFIELD, CA 93307

Issue Date: 9/23/15
 Date: 09/21/15
 Designer: [Signature]
 DR: [Signature]
 PC: JMF

Agency Approval Stamp:
 IDENTIFICATION STAMP
 DW OF THE STATE ARCHITECT
 APP03 110574
 AC PL FL S [Signature]
 DATE SEP 23 2015

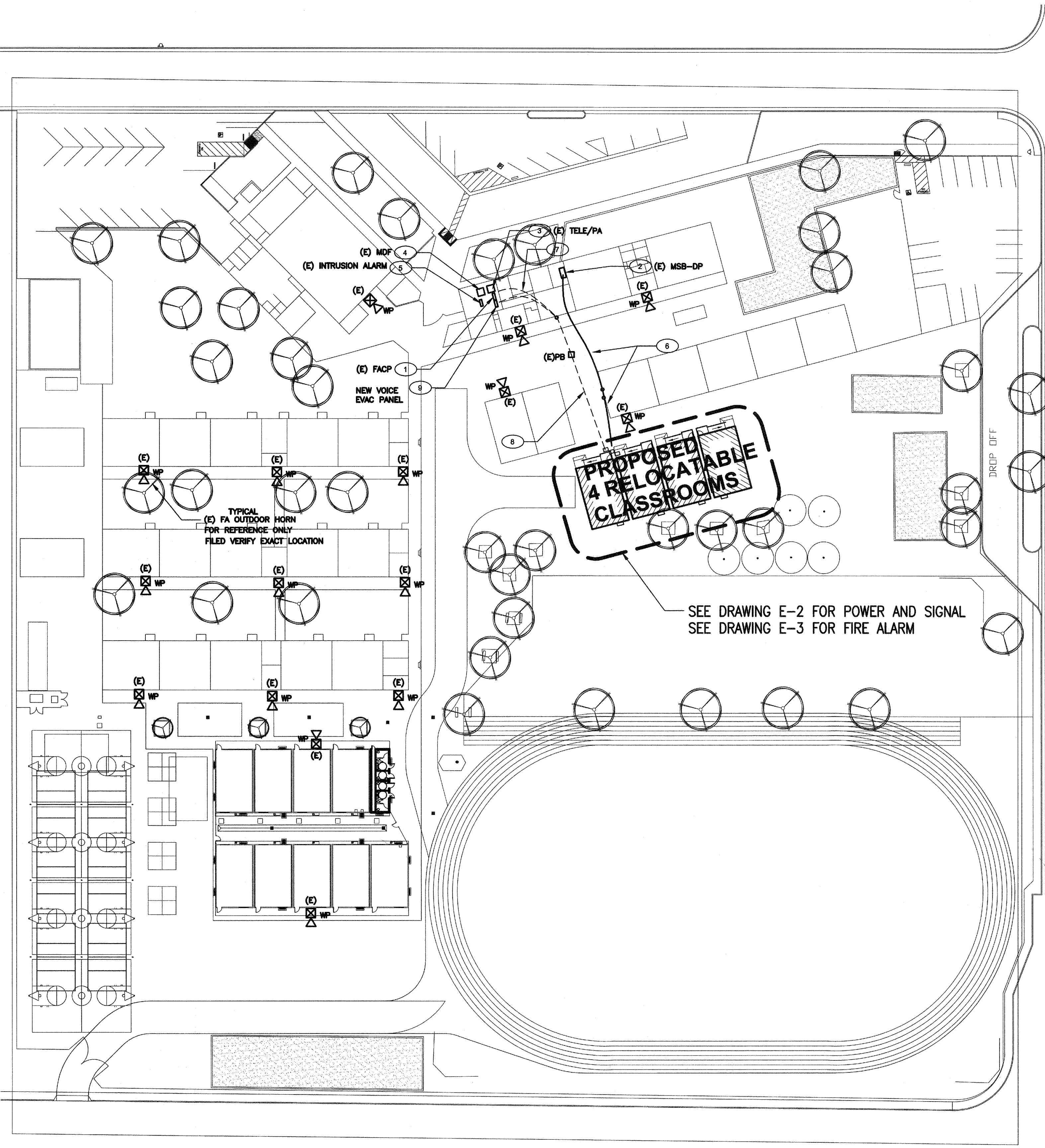
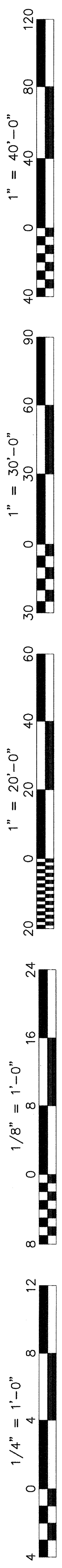
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REGISTERED ARCHITECT
 COURTIS E. FLYNN
 No. C 28966
 STATE OF CALIFORNIA

Job No.: **5156**

Sheet No.: **A1.03**

Release: -



SITE PLAN - ELECTRICAL

SCALE : 1" = 40' - 0"

SHEET NOTES

- 1 APPROXIMATE LOCATION FOR EXISTING ADDRESSABLE FIRE ALARM CONTROL PANEL TO REMAIN. PROVIDE CONNECTION TO NEW FIRE ALARM DEVICES PER PLANS. UPDATE NEW FIRE ZONE MAP AND PROGRAM NEW DEVICES INFORMATION. MEASURE ACTUAL LOAD CURRENT AND VOLTAGE DROP FOR EACH NAC SIGNAL CIRCUITS, AND FACP STANDBY CURRENT AND ALARM CURRENT. SEND THE REPORT TO OWNER AND ENGINEER FOR REVIEW, AND PLASTIC LAMINATED ONE COPY INSIDE FACP CABINET DOOR.
- 2 APPROXIMATE LOCATION FOR EXISTING MAIN SWITCHBOARD DR. PROVIDE NEW BREAKERS, RISER WITH AERIAL CABLE AND POWER CONNECTION AS REQUIRED FOR NEW RELOCATABLE CLASSROOM BUILDINGS PER PLANS. SEE SINGLE LINE DIAGRAM.
- 3 APPROXIMATE LOCATION FOR EXISTING PA/C/TELEPHONE EQUIPMENT IN ADMIN OFFICE. REUSE EXISTING AND OR PROVIDE NEW SIGNAL CABLES FOR NEW SIGNAL DEVICES CONNECTION PER PLANS.
- 4 APPROXIMATE LOCATION FOR EXISTING COMPUTER MDF SERVER EQUIPMENT IN ADMIN OFFICE. REUSE EXISTING AND OR PROVIDE NEW FO CABLE FOR NEW DATA DEVICES CONNECTION PER PLANS.
- 5 APPROXIMATE LOCATION FOR EXISTING INTRUSION EQUIPMENT IN ADMIN OFFICE. REUSE EXISTING AND OR PROVIDE NEW SIGNAL CABLES FOR NEW SIGNAL DEVICES CONNECTION PER PLANS.
- 6 AERIAL CABLE FOR NEW BUILDINGS POWER CONNECTION. FIELD VERIFY LOCATION. SEE DRAWING E-2 & SINGLE LINE DIAGRAM FOR MORE INFORMATION.
- 7 PULL IN NEW SIGNAL CABLE IN EXISTING UG CONDUITS PATH WAY. SEE RISER DIAGRAMS FOR MORE INFORMATION. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION.
- 8 EXISTING UNDERGROUND SIGNAL CONDUITS. PULL IN NEW SIGNAL CABLES PER PLANS. SEE DRAWING E-2 & E-4 FOR MORE INFORMATION.
- 9 FURNISH AND INSTALL A NEW FIRE ALARM (VEP) DIGITAL VOICE COMMAND CENTER AND INTER CONNECT TO EXISTING FIRE ALARM CONTROL PANEL. SURFACE MOUNT NEXT TO (E) FACP. FIELD VERIFY EXACT LOCATION. PROVIDE 110V POWER CONNECTION FROM EXISTING FACP DEDICATED CIRCUIT. SEE FA DRAWING E-3 RISER DIAGRAM.

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4011 N. Fremont, Suite 130, Fresno, California 93710
Phone (559) 439-8881 Fax (559) 439-8887 E-Mail: design@somam.com
www.integrateddesigns.com

Revision	Revision Description	Rev. Date	Rev. By

LEGEND

- DISTRIBUTION PANEL
- TERMINAL CABINET
- ⊕ JUNCTION BOX
- ⊕³ DUPLEX OUTLET ON CIRCUIT NO. 3
- GF I GROUND FAULT INTERRUPTER
- WP WEATHERPROOF
- ⚡ WALL SWITCH +48" AFF
- CONDUIT RUN UNDER GROUND
- CONDUIT RUN IN CEILING AND IN WALL
- ⊓ MOTOR DISCONNECT FUSED SWITCH
- CONDUIT RACEWAY
- (E) EXISTING TO REMAIN
- (R) REMOVE (E) ELECTRICAL DEVICE AND ASSOCIATE WIRING
- ⊕ (E) INDICATE EXISTING FIRE ALARM OUTDOOR HORN FOR REFERENCE ONLY, FIELD VERIFY AS REQUIRED.

SITE PLAN - ELECTRICAL

MUNSEY ELEMENTARY
4 RELOCATABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE., BAKERSFIELD, CA 93309

Issue Date: 06/00/13
Date: 06/02/13
Designer: J CHONG
DR: J CHONG
PC: C.M

CODE RULES AND REGULATIONS

ALL WORK AND MATERIAL SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE STATE FIRE MARSHAL, THE CALIFORNIA ELECTRICAL CODE, THE SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY AND OTHER APPLICABLE STATE LAWS OR REGULATIONS. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

DIVISION OF THE STATE ARCHITECT APPLICABLE CODES AND STANDARDS:
2013 CALIFORNIA ELECTRIC CODE (CEC).
2013 CALIFORNIA FIRE CODE (CFC).
2013 TITLE 19 (CCR), PUBLIC SAFETY, STATE FIRE MARSHAL.
2013 NFPA 72 (CALIFORNIA AMENDED)—NATIONAL FIRE ALARM CODES POLICY #95-03, FIRE AND LIFE SAFETY, DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES.

U.S.A. - UNDERGROUND SERVICE ALERT
CALL BEFORE YOU DIG: 1-800-642-2444

THE LOCATION OF EXISTING UNDERGROUND UTILITIES WERE TAKEN FROM SOURCES BELIEVED TO BE RELIABLE. HOWEVER, THEY HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THIS ENGINEER. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTIFY OWNER 72 HOURS PRIOR TO ANY EXCAVATION

CONSULTING ENGINEERS
JOHN CHONG ENGINEERING
2021 E. DECATUR AVE. FRESNO CA 93710
(559) 215-2266 • FAX 257-3441
jchong1neer@aol.com

JOHN S. CHONG
E 14419
Exp. 6/30/2016
ELECTRICAL
STATE OF CALIFORNIA

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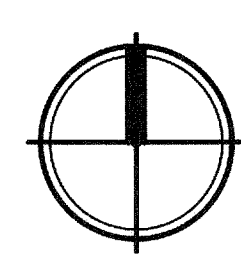
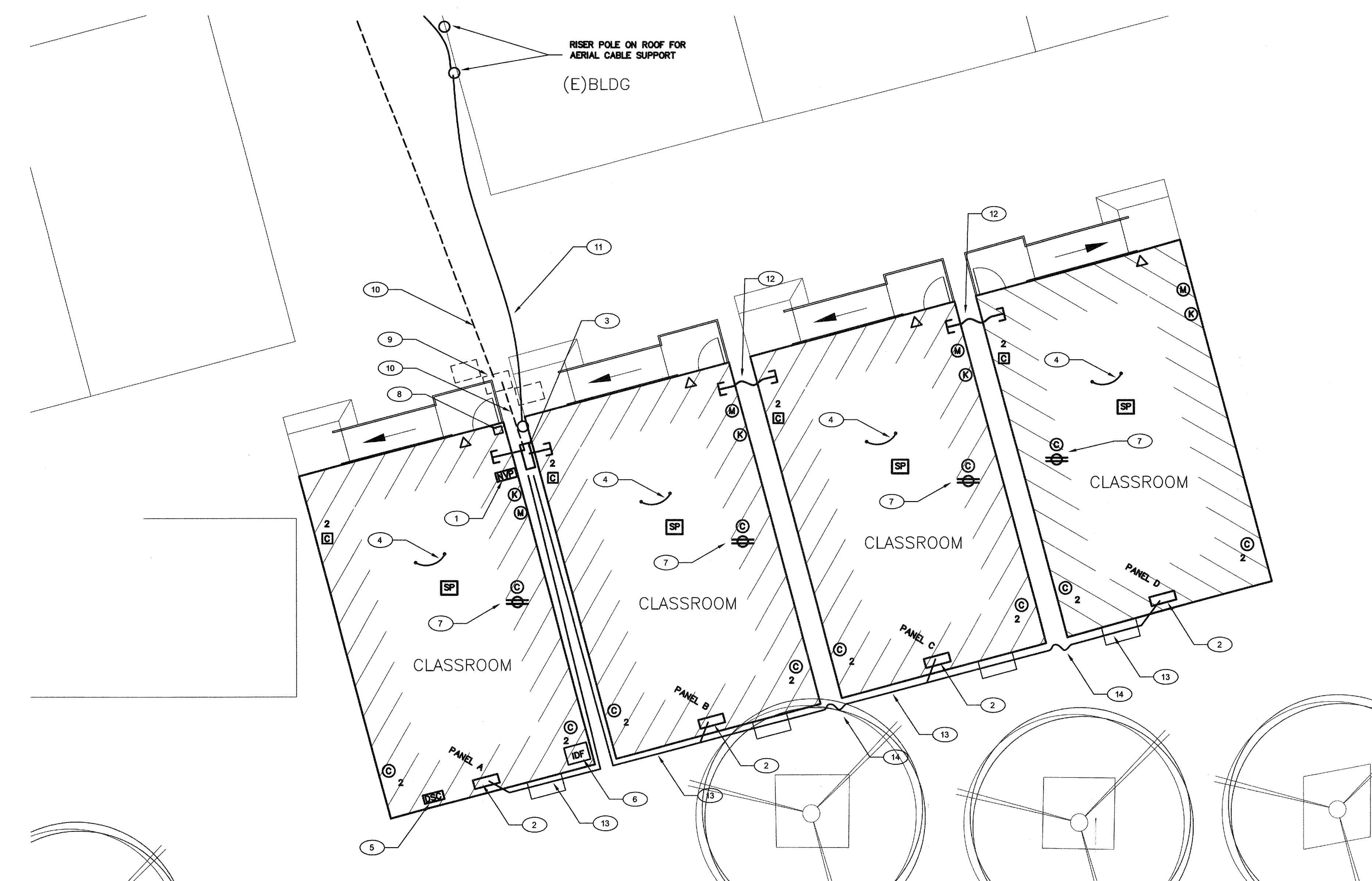
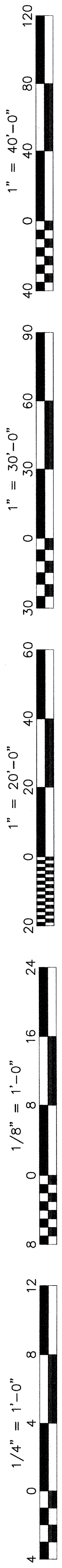
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AP03 110574
AC: J. CHONG
DATE: SEP 23 2015

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Job No: **5156**

Sheet No: **E-1**

Release:

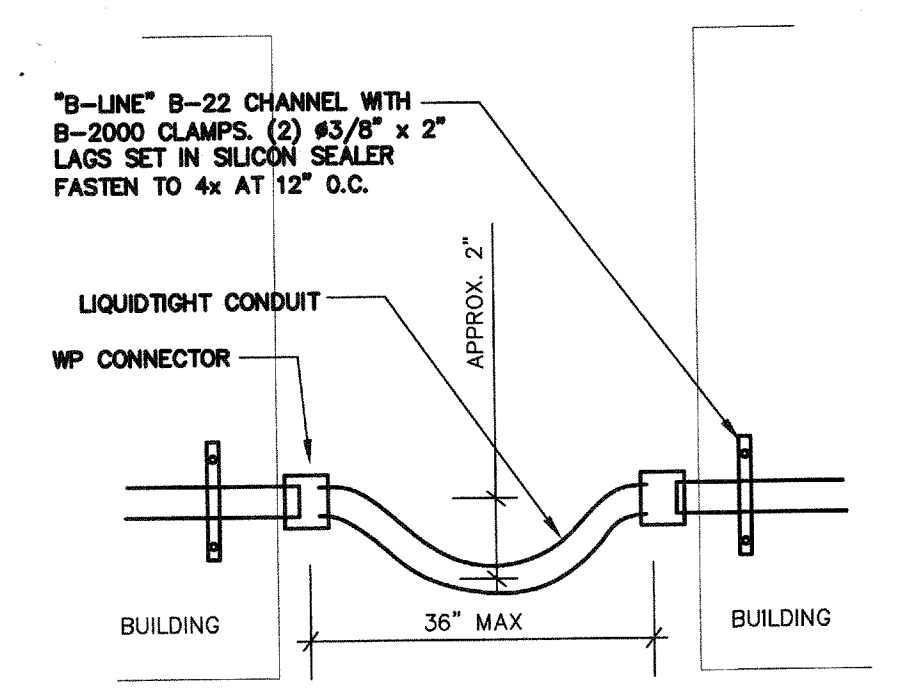


POWER AND SIGNAL PLAN

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

PANEL A				120/240V 1Ø 3W				REAR				FLUSH			
				100 AMP MAIN BREAKER				10,000 AIC				NEMA 1			
ØT	SERVING	NOTE	ØB	ØA	ØB	ØA	ØB	ØA	ØB	ØA	ØB	ØA	ØB	ØA	ØB
1	RECEPTACLE	12/12/20/1	0.7/1.3			Ø0/2	Ø8	10						2	
3	RECEPTACLE	12/12/20/1	0.7/1.3											4	
5	SPACE	12/12/20/1				20/1	12/12							6	
7	SPACE	12/12/20/1				20/1	12/12							8	
9	INT/EXT LIGHTS	12/12/20/1	0.9			20/1	12/12							10	
11	INT LIGHTS	12/12/20/1	0.8/0.1			20/1	12/12	2						12	
				8.7KVA		8.7KVA									
				72A		72A									

NOTES:
 1. PROVIDE CIRCUIT DIRECTORY INSIDE PANEL
 2. PROVIDE MECHANICAL LOCK ON BREAKER



FLEX CONDUIT SUPPORT DETAIL
N.T.S.

SHEET NOTES

- APPROXIMATE LOCATION FOR NEW FIRE ALARM (NF) SIGNAL AND AUDIO BOOSTER PANEL. PROVIDE 110V POWER CONNECTION AND DEDICATED CIRCUIT FROM PANEL A CIRCUIT 12. SEE DRAWING E-3 FOR MORE INFORMATION.
- PROVIDE POWER CONNECTION FOR RELOCATABLE BUILDING PRE-WIRED PANEL. SEE SINGLE LINE DIAGRAM ON DRAWING E-4.
- SIGNAL TC, 24"x24"x4"STD. NEMA3R. SURFACE MOUNT ON EXTERIOR AT +24" AFF. PROVIDE (2) 2" EMT AND STUB INTO BUILDING CEILING CAVITY WITH LB ELBOW FOR SIGNAL WIRING RACEWAY. CORE DRILL AND SEAL EXTERIOR WALL AS REQUIRED. PULL BACK PA/C/TELE CABLE AND CONNECT TO MASTER EQUIPMENT PER PLANS. SEE RISER DIAGRAMS.
- PROVIDE #6 COPPER GROUNDING CONDUCTOR AND BOND TO EACH SECTION STRUCTURAL STEEL BEAM. FIELD VERIFY EXACT LOCATION WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
- NEW SECURITY ALARM NETWORK PANEL. MATCH EXISTING SYSTEM AS REQUIRED. PROVIDE 110V POWER CONNECTION AND INTERCONNECTION TO (E) MASTER EQUIPMENT. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM.
- NEW IDF AND CABINET SURFACE MOUNTED BELOW CEILING. PROVIDE 110V POWER CONNECTION, DATA SWITCH, FD CABLE AND DATA CABLE PATCH PANEL FOR NEW DATA OUTLET CONNECTION. PROVIDE FD CABLE TO (E) IDF IN ADMIN OFFICE FOR INTERCONNECTION. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM.
- PROVIDE DATA AND POWER OUTLET AT CEILING FOR SMART BOARD. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM.
- PROVIDE 50 PAIR PUNCH DOWN BLOCK AND SURFACE MOUNTED BELOW CEILING FOR INTERCOM / TELEPHONE WIRING TERMINATION.
- EXISTING SIGNAL PULL BOX. FIELD VERIFY LOCATION.
- EXISTING U.G. CONDUITS TO REMAIN AND PULL IN NEW SIGNAL CABLE PER CONNECTION. FIELD VERIFY LOCATION.
- TYPICAL 4 AERIAL CABLES WITH RISER FOR NEW BUILDINGS POWER PANEL CONNECTION. FIELD VERIFY LOCATION.
- PROVIDE 2" EMT BETWEEN BUILDINGS AND STUB INTO BUILDING CEILING CAVITY FOR SIGNAL WIRING RACEWAY. CORE DRILL AND SEAL EXTERIOR WALL AS REQUIRED. PULL BACK PA/C/TELE CABLE TO ADMIN OFFICE MASTER EQUIPMENT FOR NEW DEVICES CONNECTION. SEE RISER DIAGRAM.
- NEW SURFACE MOUNTED POWER CONDUITS AND FEEDERS. SEE SINGLE LINE DIAGRAM.
- PROVIDE FLEX CONDUIT RACEWAY BETWEEN BUILDINGS
SEE DETAIL V/E-2

SIGNAL AND COMM. LEGEND

- SECURITY ALARM SYSTEM**
- DS2P DIGITAL SECURITY ALARM CONTROL PANEL. MODEL SONTRONL (64ZONE). INTERFACE WITH EXISTING BUILDING MASTER SECURITY ALARM PANEL AS REQUIRED.
 - K LEO KEYPAD - MATCH EXISTING EQUIPMENT AS REQUIRED.
 - M DUAL TECHNOLOGY CEILING MOUNT DETECTOR. MATCH EXISTING EQUIPMENT AS REQUIRED.
 - E EXTERIOR BELL (SIREN) - DSC6510W WITH WEATHERPROOF BACKBOX AND TAMPER SWITCH.
 - W DOOR CONTACT SWITCH. RECESS ABOVE DOOR JAMB AT OPEN SIDE.
 - B INDOOR SECURITY ALARM CABLE. WEST PENN #424
 - B1 OUTDOOR SECURITY ALARM CABLE. WEST PENN #40224
- COMMUNICATION (TELEPHONE/INTERCOM) SYSTEM**
- ▽ HANSEY/P PHONE - FIELD VERIFY MODEL NO. AND MATCH EXISTING MASTER EQUIPMENT AS REQUIRED.
 - SP CEILING SPEAKER - RAULAND JUS0221 W/ACC100 Baffle. PROVIDE BACKBOX AND CEILING SUPPORT AS REQUIRED
 - SP HP OUTDOOR SPEAKER - ATLAS #4P15 HORN W/AFIR AND LONELL (#684 FOR SURFACE, #P07X FOR RECESS) BACK BOX W/SILK GRILL
 - T OUTDOOR TELE/AC CABLE. 22AWG SOLID COPPER 12 PAIR SHIELDED AND 12 PAIR UNSHIELDED CABLE.
 - T1 INDOOR TELEPHONE CABLE. CAT.3 22AWG SOLID COPPER AUTP SHIELDED CABLE.
 - P1 OUTDOOR PA/C CABLE - WEST PENN #400-389
- DATA COMMUNICATION SYSTEM**
- Ø2 DATA OUTLET - LEVITON CAT SE (DUAL RECEPTACLE RED IN COLOR FOR ADMINISTRATIVE)
 - Ø2 DATA OUTLET - LEVITON CAT SE (DUAL RECEPTACLE BLUE IN COLOR FOR INSTRUCTIONAL)
 - FO FIBER OPTIC CABLE - 1/4" INNER DUCT WITH J-HOOK IN ATTIC AND 2" FOR OUTDOOR. SEE RISER DIAGRAM FOR MODEL NO.
 - C1 (ONE) CAT SE 22AWG AUTP. SEE RISER DIAGRAM FOR MODEL NO.
 - C2 (TWO) CAT SE 22AWG AUTP. SEE RISER DIAGRAM FOR MODEL NO.

NOTES:
 1. ALL SIGNAL CONDUCTORS CANNOT SPLICE INSIDE PULL BOX. CONDUCTOR MUST BE CONTINUOUS RUN BETWEEN SIGNAL DEVICES BACK BOX OR ABOVE GROUND TERMINAL CABINET.

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 ARCHITECTURE - ENGINEERING - INTERIOR DESIGN - CONSTRUCTION MANAGEMENT
 4011 N. Fremont, Suite 130, Fresno, California 93710
 Phone (559) 439-0881 Fax (559) 439-0887
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MUNSEY ELEMENTARY
4 RELOCATABLE CLASSROOMS
 BAKERSFIELD CITY SCHOOL DISTRICT
 3801 BRAVE AVE., BAKERSFIELD, CA 93309

Project Name & Address:

Issue Date: 06/00/13
 Date: 06/02/13
 Designer: J. CHONG
 DRC: J. CHONG
 PC: C.M.

Agency Approval Stamp:

IDENTIFICATION STAMP
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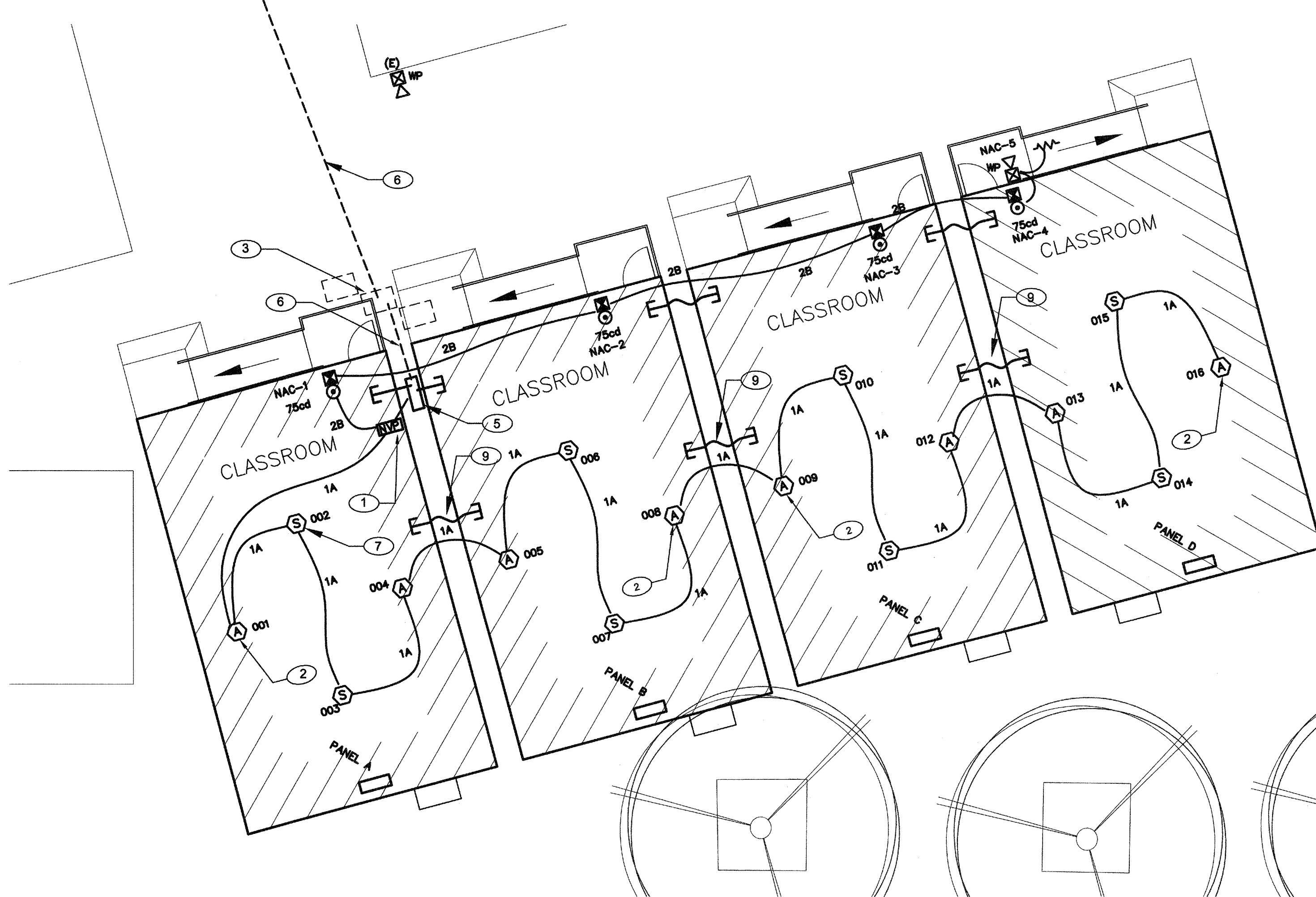
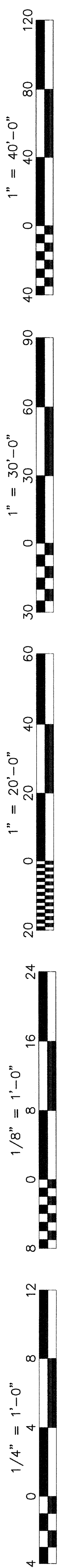
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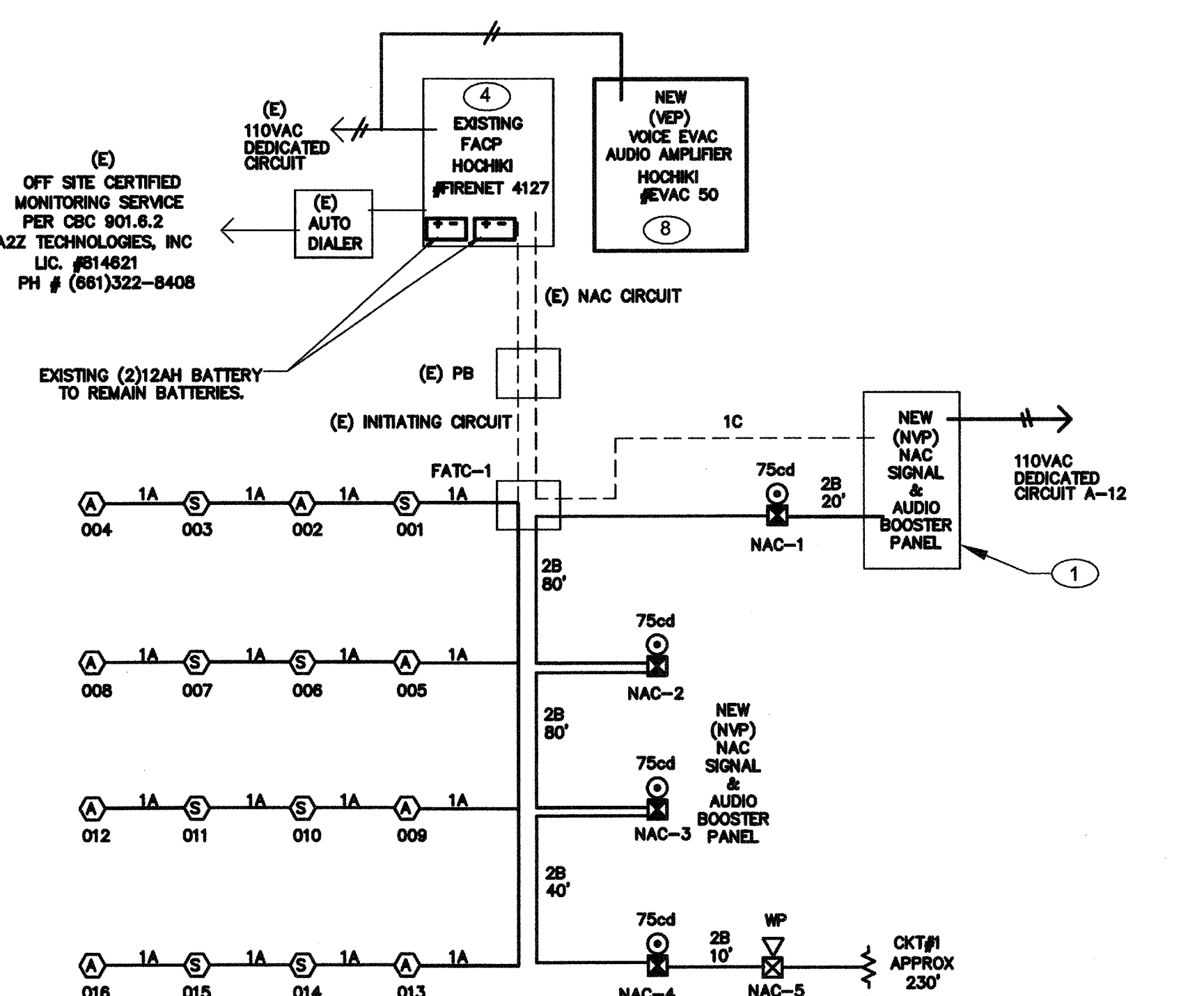
CONSULTING ENGINEERS
JOHN CHONG ENGINEERING
 JOHN S. CHONG
 E 14419
 Exp. 8/30/2016
 ELECTRICAL
 STATE OF CALIFORNIA

2077 E. DECATUR AVE. FRESNO CA 93710
 (559) 325-9988 • FAX 257-3401
 joengineer@aol.com



FIRE ALARM PLAN

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



- NOTES:**
- RISER DIAGRAM IS DIAGRAMMATIC. SEE FIRE ALARM FLOOR PLAN AND FIELD VERIFY EXACT ROUTING AS REQUIRED.
 - ALL INTERIOR FIRE ALARM CONDUCTORS ARE INSTALLED IN EMT CONDUIT AND CONCEAL ABOVE CEILING OR INSIDE WALL WITH 3/4" C.
 - FIRE ALARM CONDUCTOR CANNOT SPLICE INSIDE PULL BOX. CONDUCTOR MUST BE CONTINUOUS RUN BETWEEN FIRE ALARM DEVICES BACK BOX OR TERMINAL CABINET.

FIRE ALARM RISER DIAGRAM

N.T.S

FIRE ALARM SYMBOLS AND SCHEDULE

ITEM	DESCRIPTION	MODEL NUMBER	CSFM NUMBER	MOUNT	BACK BOX
FACP	EXISTING FACP (FOR REFERENCE ONLY)	HOCHIKI #FIRENET 4127	7165-0410:0159	+60"	EQUIPMENT CABINET
VEP	VOICE EVACUATION PANEL	HOCHIKI #EVAC 50	6911-0410:0176	+60"	EQUIPMENT CABINET
NVP	NAC SIGNAL & VOICE VAC BOOSTER PANEL	WHEELLOCK #SPB 50/4	6911-0785:0157	+60"	EQUIPMENT CABINET
S	SPEAKER STROBE	HOCHIKI #ISSPKWLP	7320-0410:0195	+80"	4"SQ X 2 1/2"D
OH	OUTDOOR HORN	HOCHIKI #HNE 24HR #HOC	7135-0410:0187 7300-0410:0189	+80"	4"SQ X 2 1/2"D
S	ADDRESSABLE CEILING SMOKE DETECTOR WITH BASE	HOCHIKI #ALK-V #VBN-NSA-4	7272-0410:0173 7300-0410:0132	CEILING	4"SQ X 2 1/2"D
A	ATTIC HEAT DETECTOR	HOCHIKI #HFE 180/HSC-XOOL #FRCE-4	7270-0410:0119 7300-0410:0150	ATTIC	4"SQ X 2 1/2"D
~	END OF LINE RESISTOR	N/A	N/A	LAST DEVICE	4"SQ X 2 1/2"D

F.A. MONITORING NOTES

- THE AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AND AMENDED EITHER ULFX OR LULIS BY UNDERWRITERS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.

SEISMIC ANCHORAGE

- TO COMPLY WITH 2001 CBC, TITLE 24, SECTION #1632A.
- WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ELECTRICAL ENGINEER AND THE FIELD ENGINEER OF THE DIVISION OF THE STATE ARCHITECT.

VOLTAGE DROP CALCULATION

WORST CASE VOLTAGE DROP AT THE LAST DEVICE

VD = VOLTAGE DROP
I = TOTAL LOAD
L = DISTANCE TO THE LOAD
CM = CIRCULAR MILLS (CROSS SECTION OF 12 AWG = 6530)
V = VOLTAGE (24VDC)
VD = $K \cdot I \cdot L \cdot CM$

SIGNAL CKT	AMPERES	APPROX LENGTH	RESISTIVITY OHM	WIRE AWG	AREA CM	VOLTS DROPPED	% VOLTS DROP
OKT. A	0.678A	230'	21.6	12	6530	0.516V	2.1%

SIGNAL CIRCUIT LOAD SUMMARY

OUTDOOR HORN	NAC	15cd	0.041A	AUDIO/VISUAL	15cd	0.025A	AUDIO/VISUAL	110cd	0.114A	AUDIO/VISUAL	110cd	0.157A	MINI HORN	0.025A	SMOKE DETECTOR	0.0085A	HEAT DETECTOR	0.0085A	TOTAL AMP
OKT. #	1	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0.678A

FA CABLE SCHEDULE

TYPE	DESCRIPTION
A	INITIATING CIRCUIT CABLE 2#18 AWG SOLID COPPER PVC JACKET POWER LIMITED PPLR CABLE, FOR INDOOR VIA J-HOOK AND OUTDOOR VIA MIN. 3/4" CONDUIT INSTALLATION
B	NAC SIGNAL CIRCUIT CABLE 2#12 AWG SOLID COPPER PVC JACKET POWER LIMITED PPLR CABLE, FOR INDOOR VIA J-HOOK AND OUTDOOR VIA MIN. 1" CONDUIT INSTALLATION
C	INITIATING CIRCUIT CABLE 2#16 AWG SOLID COPPER PVC JACKET POWER LIMITED PPLR CABLE, FOR INDOOR VIA J-HOOK AND OUTDOOR VIA MIN. 1 1/2" CONDUIT INSTALLATION

COMPLETE AUTOMATIC FIRE ALARM PLAN SUBMITTAL

- THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.
- THE AUTOMATIC FIRE ALARM SYSTEM SHALL COVER ALL ROOMS AND AREAS AND UPON ACTIVATION OF AN INITIATING DEVICE ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION. (EXCEPTION: SMOKE DETECTORS ARE NOT REQUIRED IN NON-ACCESSIBLE AREAS AS DEFINED IN EMERGENCY EXPRESS TERMS OF PROPOSED S.F.M. AMENDMENTS TO 2007 C.F.C. SECTION 210 (C.F.C. SECTIONS 1006.2.4.2.2.1.1 AND 1006.2.4.2.2.1.5)

BATTERY POWER CALCULATIONS NEW DISTRIBUTED POWER MODULE A

DEVICE	NO. OF DEVICE	CURRENT PER DEVICE	STANDBY CURRENT	ALARM CURRENT
UNIT	1	0.120A	0.9A	0.120A
OUTDOOR HORN	1	---	0.050A	---
MINI HORN	0	---	0.025A	---
VISUAL 15cd	0	---	0.041A	---
AUDIO/VISUAL 15cd	0	---	0.083A	---
AUDIO/VISUAL 30cd	0	---	0.114A	---
AUDIO/VISUAL 45cd	4	---	0.157A	---
AUDIO/VISUAL 110cd	0	---	0.197A	---
SYNC MODULES	0	---	0.035A	---
SUB-TOTAL			0.120A	1.578A
24 HOUR STANDBY CURRENT				2.880AH
5 MINUTE ALARM CURRENT (0.083 HR)				0.131AH
SUBTOTAL				3.011AH
20% SAFETY FACTOR				0.602AH
TOTAL AMPS-HRS REQUIRED				3.613AH
PROVIDE BATTERY WITH (2) NEW 6AH BATTERY				

DURING THE FINAL TESTING, MEASURE EXACT STANDBY AND ALARM CURRENT, VOLTAGE DROP FOR EACH SIGNAL CIRCUITS. SEND OWNER AND ENGINEER ONE COPY RECORD FOR REVIEW, AND PLASTIC LAMINATED ONE COPY INSIDE CABINET DOOR.

BATTERY POWER CALCULATIONS EXISTING FIRE ALARM CONTROL PANEL (FACP)

DEVICE	NO. OF DEVICE	CURRENT PER DEVICE	STANDBY CURRENT	LED CURRENT
EXISTING UNIT	1	---	0.175A	0.5A
SMOKE DETECTOR	8	0.0003A	0.0085A	0.0024A
HEAT DETECTOR	8	0.0003A	0.0085A	0.0024A
SUB-TOTAL			0.1798A	0.604A
24 HOUR STANDBY CURRENT				4.315AH
5 MINUTE LED CURRENT (0.083 HR)				0.050AH
SUBTOTAL				4.365AH
20% SAFETY FACTOR				0.873AH
TOTAL NEW AMPS-HRS REQUIRED				5.238AH
EXISTING FACP (2)12AH BATTERIES TO REMAIN				

SHEET NOTES

- PROVIDE NEW (NVP) FIRE ALARM SIGNAL AND AUDIO BOOSTER PANEL PER RISER DIAGRAM. PROVIDE 110V POWER CONNECTION AND DEDICATED CIRCUIT FROM PANEL A CIRCUIT 12. SEE FA RISER DIAGRAM FOR DETAIL.
- LOCATE HEAT DETECTOR IN ATTIC AND SURFACE MOUNT ON THE BOTTOM OF RAFTER. DETECTOR COVERAGE WILL BE DERATED 50% ACROSS THE RAFTER. FIELD VERIFY LOCATION WITH GENERAL CONTRACTOR AND PROVIDE ATTIC HEAT DETECTOR IN EACH BAY OF STRUCTURE.
- EXISTING SIGNAL PULL BOX WITH TRAFFIC COVER. FIELD VERIFY LOCATION.
- (3) FIRE ALARM CONTROL PANEL WITH 110V POWER DEDICATED CIRCUIT FROM PANEL R-13. SEE DSA APP#03-11398 FA DRAWINGS. UPDATE (3) FIRE ZONE MAP, MEASURE ACTUAL LOAD CURRENT AND VOLTAGE DROP FOR EACH NAC SIGNAL CIRCUITS, AND STANDBY CURRENT AND ALARM CURRENT. SEND THE REPORT TO OWNER AND ENGINEER FOR REVIEW, AND PLASTIC LAMINATED ONE COPY INSIDE CABINET DOOR. SEE FA RISER DIAGRAM FOR DETAIL.
- PROVIDE NEW 6"x6"x4" STEEL TO SURFACE MOUNTED ON EXTERIOR WALL AT +24" AFF WITH 1" STUB INTO BUILDING CEILING CAVITY WITH LB FITTING. PROVIDE TERMINAL STRIP INSIDE TO FOR CONDUCTOR TERMINATION. NO WIRE NUTS ALLOWED. CORE DRILL AND SEAL EXTERIOR WALL AS REQUIRED.
- EXISTING UNDERGROUND CONDUITS RACEWAY, PULL IN NEW FA CABLE PER PLANS. FIELD VERIFY LOCATION.
- LOCATE CEILING SMOKE DETECTOR 5 FEET FROM NEW (NVP) NAC SIGNAL AND AUDIO BOOSTER EXPANDER PANEL. FIELD VERIFY LOCATION.
- PROVIDE NEW (VEP) FIRE ALARM DIGITAL VOICE COMMAND CENTER AND INTER CONNECT TO EXISTING FIRE ALARM CONTROL PANEL AND SURFACE MOUNT NEXT TO (3) FACP. FIELD VERIFY EXACT LOCATION. PROVIDE 110V POWER CONNECTION TO EXISTING FACP DEDICATED CIRCUIT. FIELD VERIFY LOCATION.
- PROVIDED 3/4" WEATHERPROOF FLEX CONDUIT RACEWAY BETWEEN BUILDING. FIELD VERIFY LOCATION.

F.A SYSTEM SCOPE OF WORK

- PROVIDE AUTOMATIC FIRE ALARM SYSTEM FOR THE ADDITIONAL NEW CLASSROOM BUILDINGS PER PLANS.
- EXISTING FACP IS 24VDC ADDRESSABLE, AND CLASS B WIRING SYSTEM, AND WITH OFF SITE MONITORING SERVICE VIA AUTO DUAL LINE DIALER AND TELEPHONE LINES.
- DURING THE FINAL TESTING, MEASURE ALL FIRE ALARM CURRENTS, VOLTAGE DROP FOR EACH SIGNAL CIRCUITS. SEND OWNER AND ENGINEER ONE COPY RECORD FOR REVIEW, AND PLASTIC LAMINATED ONE COPY INSIDE FACP CABINET DOOR.
- COMPLETE FIRE ALARM DRAWING SUBMITTAL IS PROVIDED.

FIRE ALARM NOTES

- THE SYSTEMS SHALL CONFORM TO CALIFORNIA ELECTRICAL CODES ARTICLE 760, CALIFORNIA FIRE CODE ARTICLE 10 AND CALIFORNIA BUILDING CODE, SECTION 305.9.
- FIRE ALARM CIRCUITS SHALL BE RUN IN EMT CONDUIT PER SPECIFICATIONS.
- 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.
- NO SPLICE SHALL BE PERMITTED IN PULLBOXES. ALL WIRE SHALL BE RUN CONTINUOUS BETWEEN TERMINAL CABINETS.
- ALL PENETRATIONS IN FIRE-RATED ASSEMBLIES SHALL BE SEALED IN COMPLIANCE WITH CHAPTER 7, C.B.C.
- AUDIBLE SIGNALS INTENDED FOR OPERATION IN THE PRIVATE MODE SHALL HAVE A SOUND LEVEL OF NOT LESS THAN 45 dBA AT 10 FT OR MORE THAN 130dBA AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE. AN AVERAGE SOUND LEVEL GREATER THAN 115 dBA REQUIRES THE USE OF A VISIBLE SIGNAL APPLIANCE. IF AUDIBILITY LEVEL DOES NOT MEET THE REQUIREMENT AT THE TIME OF TESTING, NEW AUDIBLES AND REVISED PLANS WILL BE REQUIRED.
- NEW FIRE ALARM AUDIBLES SHALL BE TAMPO CODE 3.
- A CERTIFICATE OF COMPLETION SHALL BE PROVIDED TO THE OWNER PER NFPA 72 AND THE CALIFORNIA FIRE CODE.
- AN APPROVED FIRE ALARM SYSTEM SHALL BE INSTALLED AS SET FORTH IN THE CALIFORNIA FIRE CODE IN GROUP, DIVISION 1, 2, AND 2.1 OCCUPANCIES. (303.9, CBC)
- THE ALARM SYSTEM SHALL BE INSTALLED, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATIONS (NFPA 72, 1999 EDITION)
- THE FIRE ALARM SYSTEM SHALL CONFORM TO CALIFORNIA ELECTRICAL CODE AND ARTICLE 91. INSTALLATION OF THE SYSTEM SHALL NOT BEGUN UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING SPM LISTING NUMBERS FOR EACH COMPONENT HAVE BEEN APPROVED BY DSA. UPON COMPLETION OF THE INSTALLATION, A TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE INSPECTOR OF RECORD.
- 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 MEASURE @ 10' BUT NOT LESS THAN 110dBA IN TOTAL THROUGHOUT. AMBIENT NOISE LEVEL MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS.
- THE ALARMS 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 MARSHAL APPROVED AND LISTED.

CONSULTING ENGINEERS
John Chong Engineering
2017 E. DECATUR AVE. PLEASANTON, CA 94566
(925) 915-2966 • FAX 925-941-1001
jchong1neer@aol.com

REGISTERED PROFESSIONAL ENGINEER
JOHN S. CHONG
E 14419
Exp. 6/30/2016
ELECTRICAL
STATE OF CALIFORNIA

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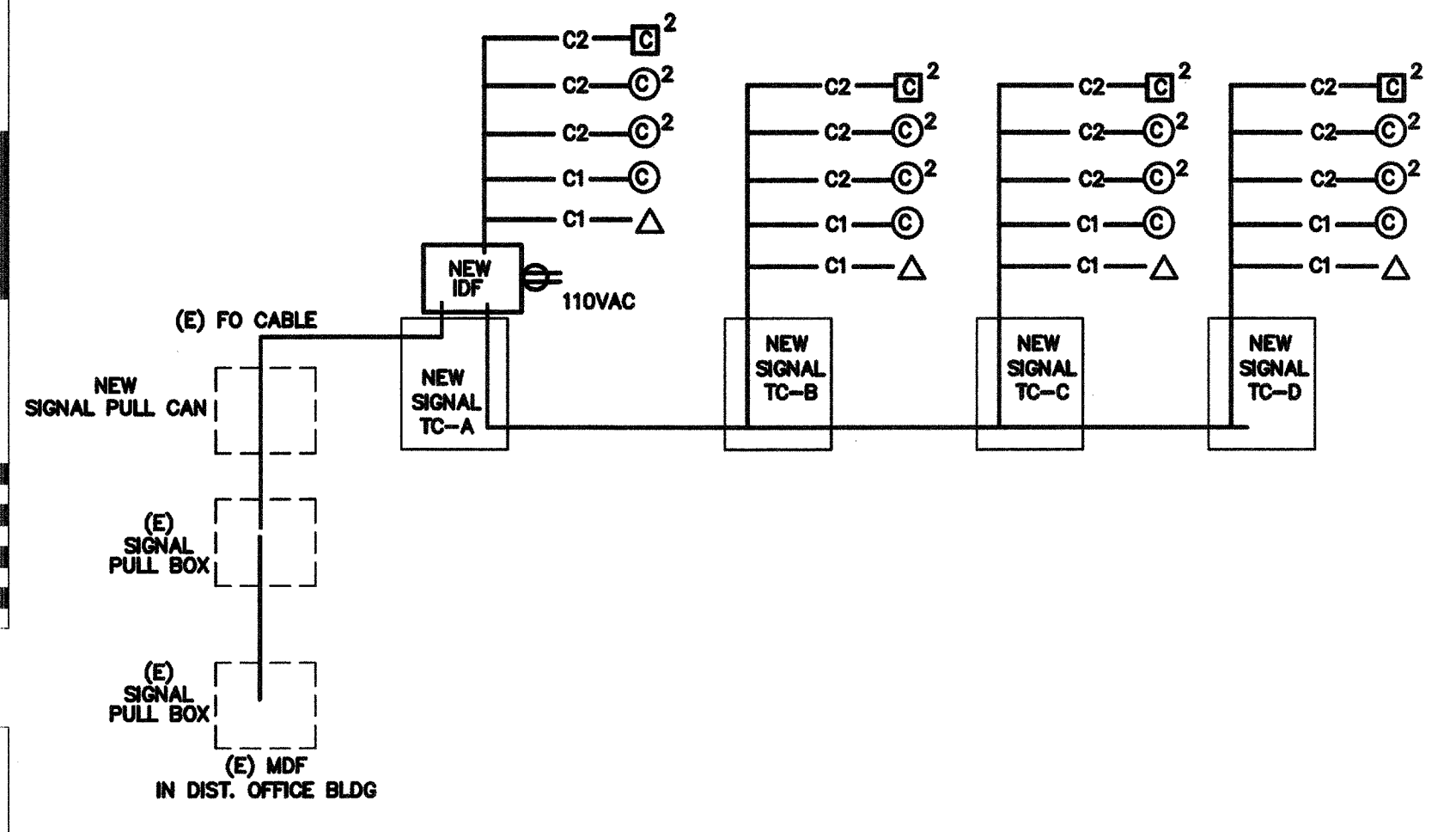
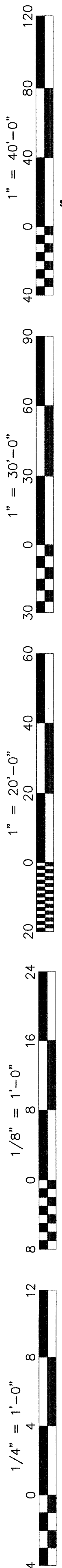
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Fremont, CA 94538
Phone (650) 452-0601
www.integrateddesigns.com

Project Name & Address:
**MUNSEY ELEMENTARY
4 RELOCATABLE CLASSROOMS**
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE., BAKERSFIELD, CA 93309

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5 DATA COMMUNICATION SYSTEM RISER DIAGRAM
N.T.S.

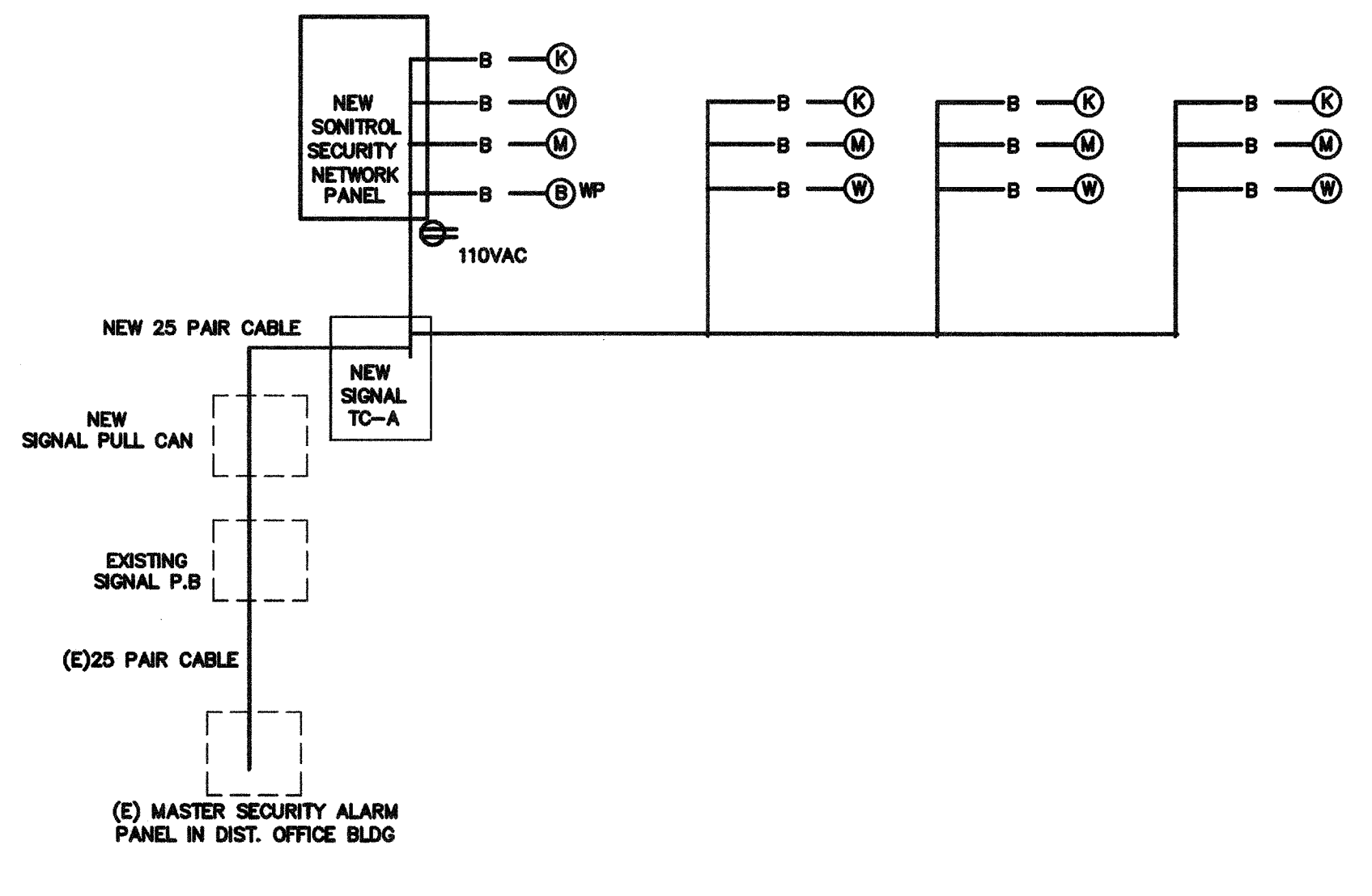
FIBER OPTIC CABLE
THREE MULTIMODE PAIRS (SIX STRANDS) AND THREE SINGLE-MODE PAIRS (SIX STRANDS)
OPTICAL CABLE COMPANY # DX 12/0650-6W3S8/1UC-6SYMC-YMD/900-QFNR OF EQUAL
CAT5E CABLE
SEN4P24-BL-BER-PV OR EQUAL

CABLE TESTING
ALL FIBER OPTIC CABLE MUST BE TESTED TO SUPPORT 1000BASE-FX FULL DUPLEX STANDARDS,
ALL CAT 5E CABLE MUST BE TESTED TO SUPPORT 100BASE-TX.
TEST RESULTS ARE TO BE PROVIDED TO SCHOOL TECHNOLOGICAL SERVICES FOR REVIEW AND APPROVAL.

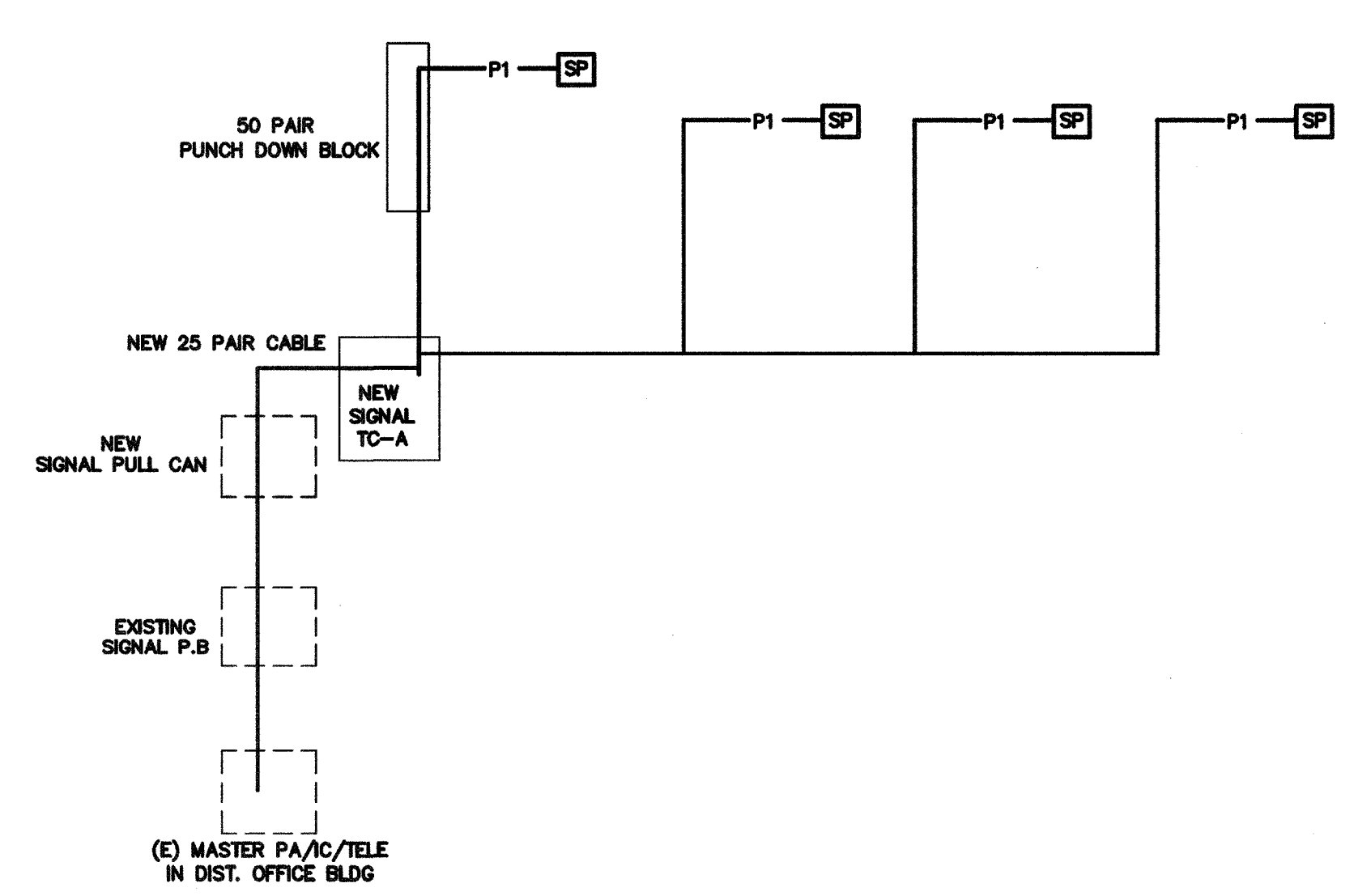
IDF SWITCH EQUIPMENT
F/O CISCO WS-C2850-24 W/ WS-C5484 GBIC
TP CISCO WS-C2850-24
CABINETS SOUTH WESTERN DATA PRODUCT SWE 4000-18UBDLK OR EQUAL
JACKS ALLEN TEL ATSS-16 OR EQUAL
PATCH PLATE ALLEN TEL ATSS-09 OR EQUAL
PATCH PANEL ALLEN TEL ATPL-24 OR EQUAL

LABELING IDENTIFICATION
ALL INSTALLED EQUIPMENT, CABLES, TERMINATIONS, ETC. WILL BE PERMANENTLY AND UNIQUELY MARKED. CABLES WILL BE MARKED USING A CONVENTION THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION. LAN TERMINATIONS WILL SIMILARLY BE MARKED TO UNIQUELY IDENTIFY THEM WHILE PROVIDING THE SOURCE AND DESTINATION OF CABLE. IDENTIFICATIONS MUST BE SUCH THAT THEY WILL NOT RUB OFF, FALL OFF, OR EASILY BREAK AWAY.

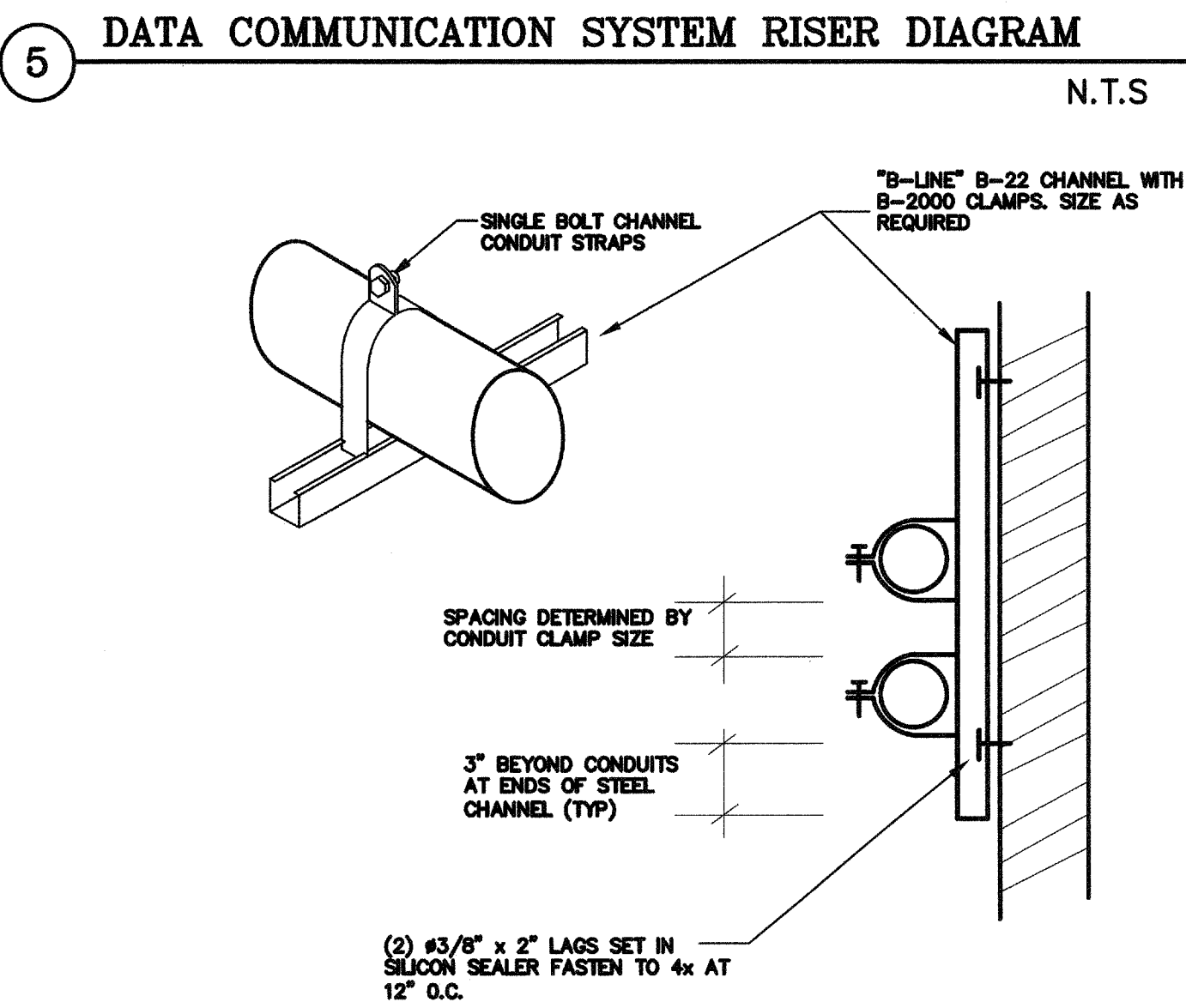
DATA COMMUNICATION SYSTEM NOTES
1. CONTRACTOR TO PROVIDE ALL EQUIPMENT, PATCH CABLE AND ACCESSORY FOR A FULLY FUNCTIONAL SYSTEM.
2. NEW DATA JACK WIRING CONFIGURATION MUST BE MATCHED EXISTING SYSTEM. FIELD VERIFY PRIOR TO INSTALLATION.
3. ADMINISTRATIVE NODE TO BE RED IN COLOR WITH THE INSTRUCTIONAL NODE TO BE BLUE IN COLOR. NODE LOCATION MUST BE 12" WITHIN POWER RECEPTACLE AND FIELD VERIFY EXACT LOCATION WITH OWNER PROJECT COORDINATOR OR TECHNOLOGICAL SERVICES PERSONNEL PRIOR TO INSTALLATION.
4. ALL EQUIPMENT DOCUMENTATION AND WARRANTY INFORMATION WILL BE PROVIDED TO OWNER TECHNOLOGICAL SERVICES. WARRANTY CARDS WILL BE PROVIDED TO VUSD TECHNOLOGICAL SERVICES FOR FILING WITH MANUFACTURERS UPON COMPLETION OF INSTALLATION.



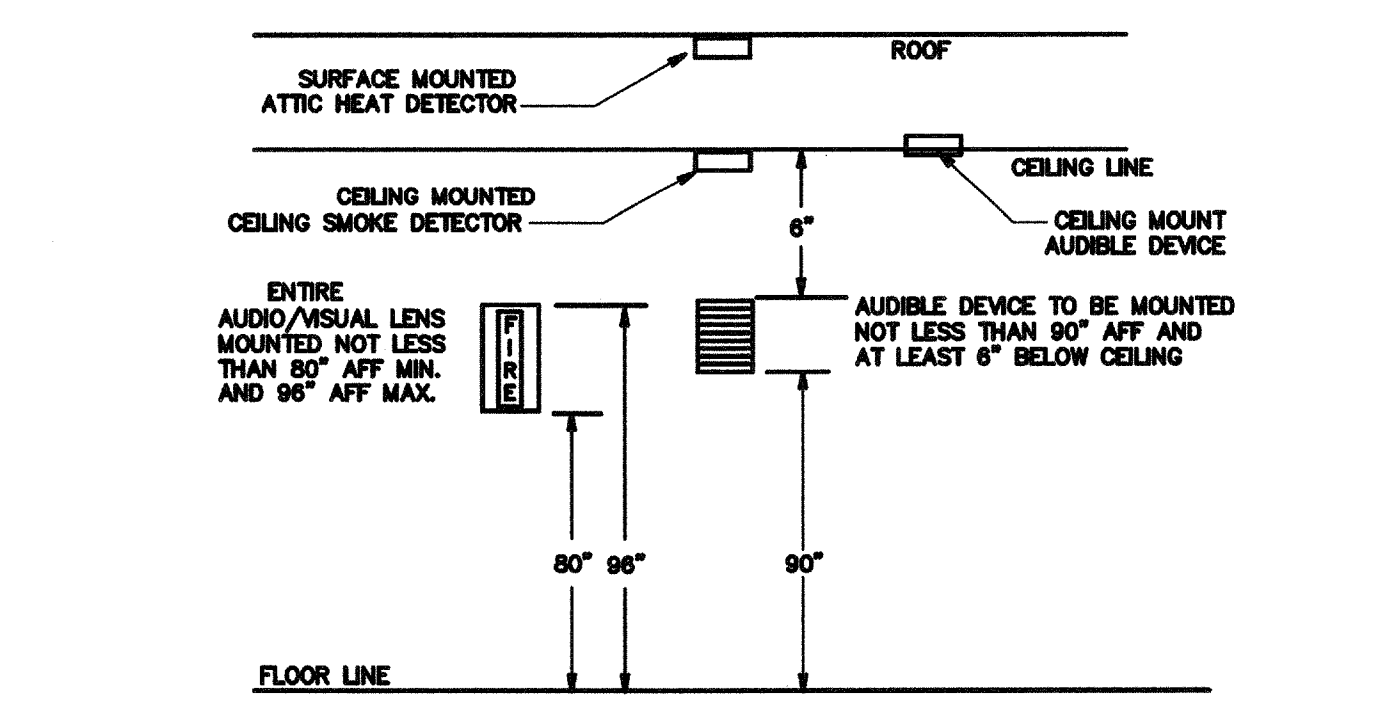
4 SECURITY ALARM SYSTEM RISER DIAGRAM
N.T.S.



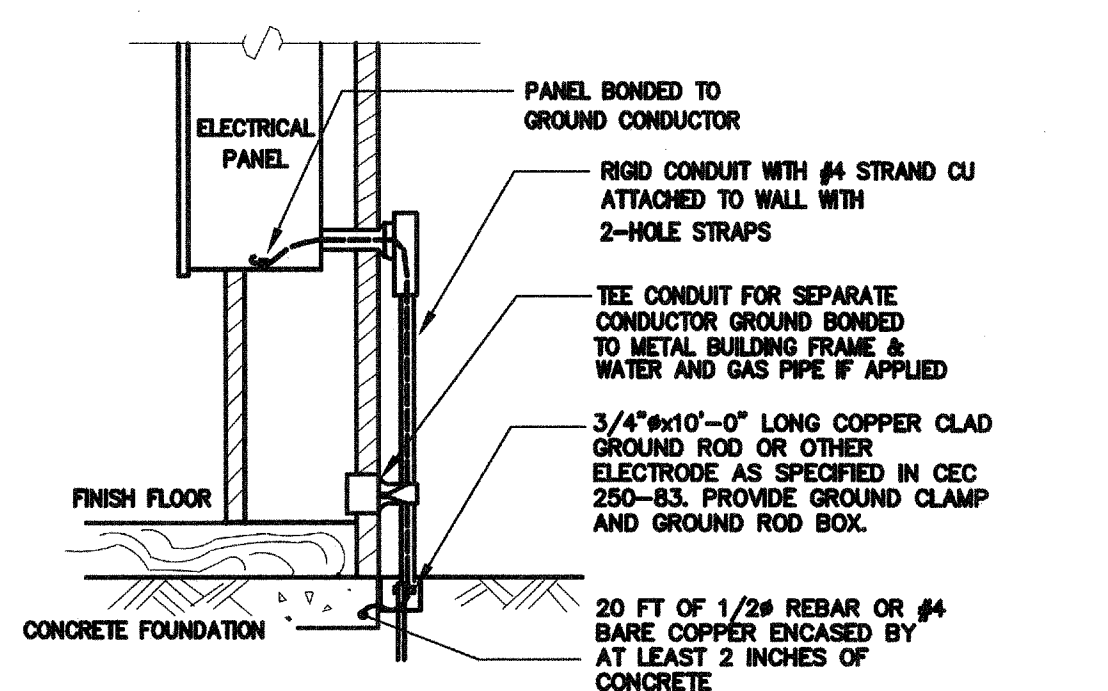
2 PA/IC/TELE SYSTEM RISER DIAGRAM
N.T.S.



6 CONDUIT SUPPORT DETAIL
N.T.S.

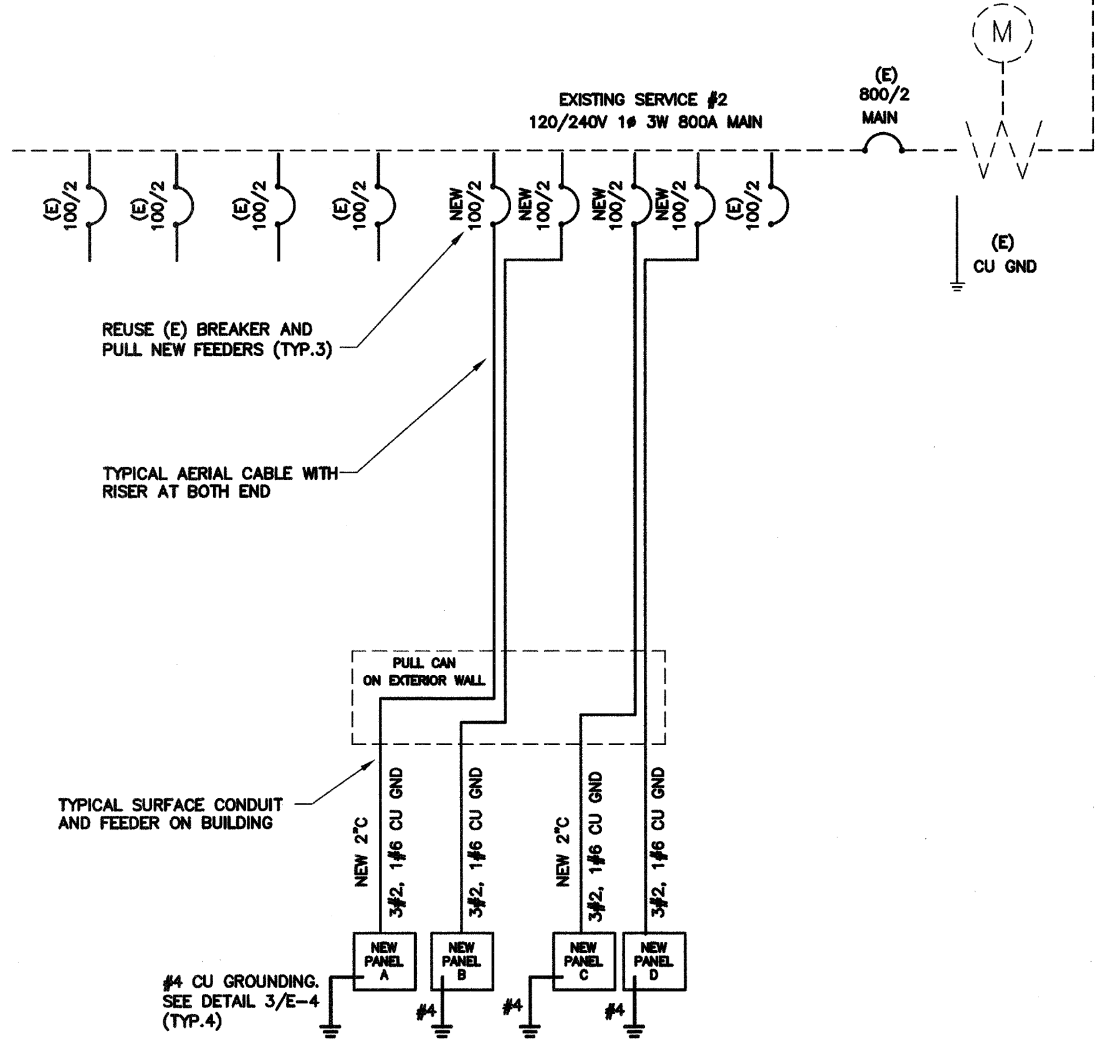


5 TYPICAL FIRE ALARM DEVICES MT'D DETAIL
N.T.S.



3 GROUNDING DETAIL
N.T.S.

NOTES:
1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250-66.
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL BUILDING FRAME PER CEC 250-50. IN ADDITION TO THE DETAIL SHOWN ABOVE BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10 FT. IN SOIL IF AVAILABLE (CEC 250-50, 250-82).
3. ALL MADE OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER, BOND TO HAND RAIL AND WATER PIPE IF APPLIED. (BOLTING ONLY IS NOT ACCEPTABLE BONDING).
4. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEED 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250-84).
5. FIELD INSPECTOR SHALL WITNESS GROUNDING TEST.



1 SINGLE LINE DIAGRAM
N.T.S.

NOTES:
1. PROVIDE NEW MATCHING BREAKERS, FEEDERS AND PANELS PER PLANS.
2. ALL NEW CONDUCTOR SHALL BE 75C THWN-2 COPPER IN CONDUIT. (AMPACITY FOR CONDUCTOR SELECTION MUST BE DETERMINED/OPERATED BY THE ALLOWED TERMINATION RATINGS MARKED/APPROVED ON EACH DEVICES, MOTOR, APPLIANCE, XMR O.G.P.C. PANEL, ETC. CONDUCTORS INSTALLED IN U.G OR NET LOCATIONS SHALL BE MARKER 'W' PER 2010 CEC 110-14(C)(1).)
3. ALL WIRING OVER 100 VOLT SHALL BE INSTALLED IN RACEWAY CONDUIT, EMT ABOVE GRADE, PVC SCH. 40 BELOW GRADE AND STEEL CONDUIT ON EXPOSE SURFACE BELOW 8' AFF. FOR PHYSICAL PROTECTION.
4. MC CABLE WITH SEPARATE GROUND CONDUCTOR CAN BE USED IN CEILING AND CONCEAL IN WALL.
5. STEEL BACK BOX SHALL BE PROVIDE FOR ALL NEW ELECTRICAL DEVICES SUCH AS SWITCH, OUTLET AND CONDUCTOR SPLICE.
6. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING SWITCHBOARD AND PANELS ARE INSTALL PER ONE LINE DIAGRAM PRIOR TO WORKING, AND REPORT TO ENGINEERS IF ANY DISCREPANCY ARE FOUND.

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ARCHITECTURE - ENGINEERING - INTERIOR DESIGN - CONSTRUCTION MANAGEMENT
4011 N. Fremont, Suite 130, Fresno, California 93710
Phone: (559) 432-0861 Fax: (559) 432-0867 E-Mail: design@integrateddesigns.com
www.integrateddesigns.com

Revision	Revision Description	Rev. Date

Sheet Title: **DETAILS AND SYSTEM DIAGRAMS**

Issue Date: 00/00/13
Date: 06/02/13
Project Name & Address: **MUNSEY ELEMENTARY 4 RELOCATABLE CLASSROOMS**
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE., BAKERSFIELD, CA 93309

Designer: J. CHONG
DR: J. CHONG
PC: C.A.M.

Agency Approval Stamp:
IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
APPROX 110574
AC: FLS
DATE: SEP 23 2015

Job No.: **5156**
Sheet No.: **E-4**

Release:

CONSULTING ENGINEERS
John Chong Engineering
2017 E. DECATUR AVE. FRESNO CA 93710
(559) 215-2266 • FAX 257-0421
Joengineer@aol.com

REGISTERED PROFESSIONAL ENGINEER
JOHN S. CHONG
E 14419
Exp. 6/30/2016
ELECTRICAL
STATE OF CALIFORNIA

9/21/2015 7:16:49 AM

PC 04-101268

RELOCATABLE CLASSROOM BUILDINGS
BUILDING SIZE: 24'x40'
MODTECH JOB #4134

CLASS LEASING

STOCKPILE # 62

Table with columns: JOB #, SERIAL NUMBER, and descriptions of building types and quantities.

BUILDING A - STANDARD CLASSROOM
BUILDING B - ADMINISTRATION
BUILDING C - COMPUTER LAB

Table with columns: JOB #, SERIAL NUMBER, and descriptions of building types and quantities.

100 BUILDINGS TOTAL

REVISED NOV 09 2000

CBC 1998

BUILDING DATA

STRUCTURAL DESIGN: RIGID FRAME
TYPE OF CONSTRUCTION: V-N
WIND LOAD (EXP C): 80 MPH
FLOOR LIVE LOAD: 50 PSF, 50+20 PSF
ROOF LIVE LOAD: 20 PSF
OCCUPANCY: 24'x40' CLASSROOM: E-2/B

BUILDING AREA: 24'x40' BUILDING - 960 SF

APPLICABLE CODES

- 1998 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 CCR
1998 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
1998 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
1998 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
1998 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
1998 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
1998 CALIFORNIA REFERENCE STANDARDS, PART 12, TITLE 24 CCR

APPLICABLE STANDARDS

- NFPA 13 - AUTOMATIC SPRINKLER SYSTEMS - 1998 EDITION
NFPA 14 - STANDPIPE SYSTEMS - 1993 EDITION
NFPA 17A - WET CHEMICAL SYSTEMS - 1990 EDITION
NFPA 24 - PRIVATE FIRE MAINS - 1992 EDITION
NFPA 72 - NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) - 1996 EDITION
NFPA 253 - CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS - 1999 EDITION

LEGEND

Table with columns: SYMBOL and DESCRIPTION. Includes symbols for detail, key note, section, revision, highlights, door, window, electrical, heating, plumbing, structural, and finish items.

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...

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SHEET INDEX

ARCHITECTURAL - SITE SET-UP

- A0.01 COVER SHEET
A1.01A FLOOR PLAN A - 24'x40' STANDARD/COMPUTER LAB
A3.01A EXTERIOR ELEVATIONS - 26 GA - DUAL PITCH - STD/C LAB

STRUCTURAL

- F1.0 FOUNDATION PLAN (PC #04-113776)
F2.0 FOUNDATION DETAILS (PC #04-113776)
S3.01 STRUCTURAL FRAMING - 26 GA - DUAL PITCH

MECHANICAL

ELECTRICAL

- E1.01A ELECTRICAL PLAN - 24'x40' STANDARD
E2.01A ELECTRICAL PLAN - 24'x40' COMPUTER LAB

RAMP

- R1.01 RAMP/LANDING PLAN
R1.02 RAMP/STAIRS DETAILS
R2.01 OFFSET RAMP/LANDINGS
R2.02 OFFSET RAMP/STAIRS DETAILS

STKP-62

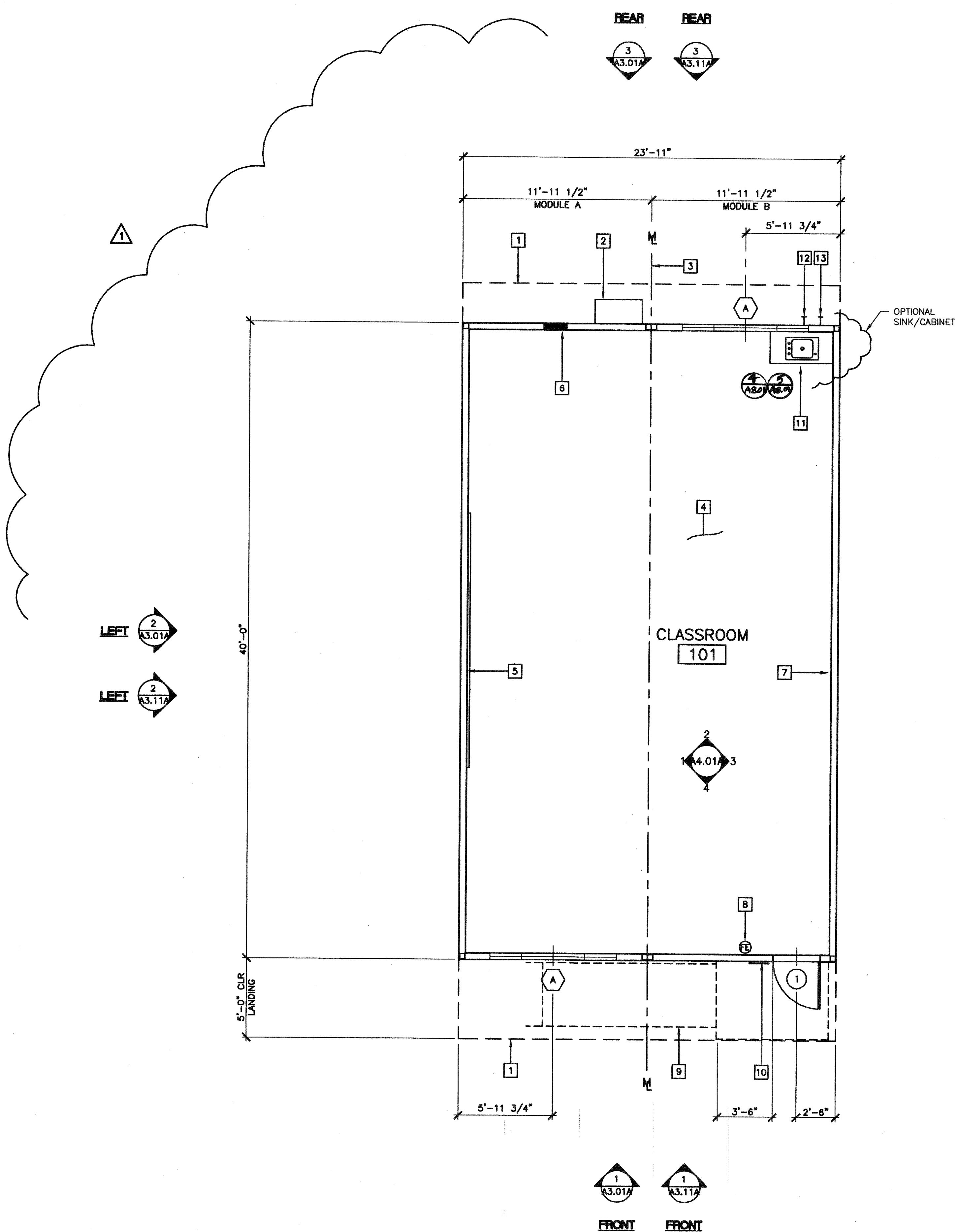
REVISIONS table with columns: SP, ADDED ALT NOTE AND ELEC. DWG'S, DATE.

Professional Engineer's Seal, Mechanical Engineer's Seal, Structural Engineer's Seal, Architect's Seal, and Identification Stamp.

MODTECH INC. 2830 BARRETT AVENUE, PERRIS, CALIF. 92572. Includes phone and fax numbers.

PROJECT NUMBER: 4134, 4153, 4161. MODTECH, INC. 2001. DRAWN BY: M. ANDERSEN. DATE: APR 15 2002. COVER SHEET A0.01.

FILE PATH: 2440-4134.DWG PROJECT NO. 4134, 4153, 4161, 4207 PC-04-101268



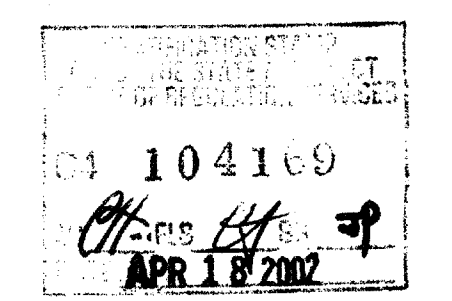
KEY NOTES

- 1 ROOF OVERHANG
- 2 HVAC UNIT (HV)
- 3 MODLINE (M)
- 4 FINISH FLOORING (FIN)
- 5 INTERIOR FINISH (FIN)
- 6 ELECTRICAL PANEL (EL)
- 7 NOT USED
- 8 FIRE EXTINGUISHER - 5 POUNDS DRY CHEMICAL WITH 2A - 10BC UL RATING ON WALL MTD BRACKET, HANDLE AT 48" AFF
- 9 RAMP/LANDING (RAMP)
- 10 SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY. 5/AS.01
- 11 WATER POC
- 12 SEWER POC

NOTES

1. PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. (1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURERS NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, WIND SPEED AND EXPOSURE CATEGORY.
2. INSULATION MATERIALS INSTALLED WITHIN FLOOR/CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALLS, CRAWL SPACES OR ATTICS SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450. EXCEPTIONS:
 (1) FOAM PLASTIC INSULATION SHALL COMPLY WITH SECTION 2802 TYPES III, 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 (CBC SECTION 707.3)
 (3) CELLULOSE LOOSE FILL INSULATION SHALL COMPLY WITH CPSC 16 CFR PARTS 1209 AND 1404
3. INTERIOR SIDE WALLS MAY BE LOCATED ON EITHER SIDE OF MODLINE
4. DISTRICT TO PROVIDE OCCUPANT LOAD SIGN PRIOR TO OCCUPANCY.

FLOOR PLAN A/C (24'x40')
SCALE: 1/4" = 1'-0"



IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
APR 15 2002
AC: M. PLS
DATE: SEP 23 2015

STKP-62

REVISIONS			
△	MCA	MODIFIED FLOOR PLAN	04/15/02
△			
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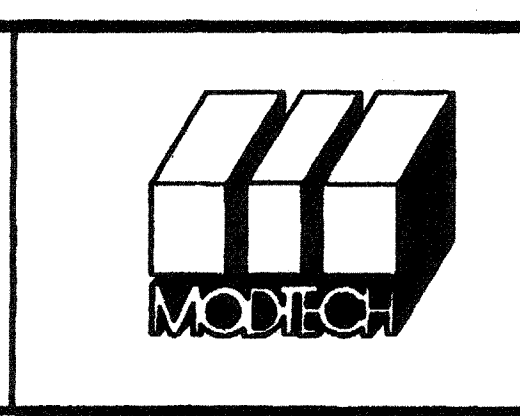
Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architect's Seal

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
101268
AC: M. PLS
DATE: SEP 07 1999



MODTECH INC.
 2830 BARRETT AVENUE
 PERRIS, CALIF. 92572
 PH (909) 943-4014
 FAX (909) 940-0427

PROJECT NUMBER: 4134, 4153, 4173, 4203 © MODTECH, INC. 2001
 4207, 4215
 4250, 4284, 4302, 4350
 4304, 4347, 4373, 4422
 4506
FLOOR PLAN 24'x40' STANDARD/COMP LAB

DRAWN BY: M. ANDERSEN
 DATE: APR 15 2002
 CHECKED BY: 4012-121
 DATE: 04-16-02
 MODTECH Index No.
A1.01A

CLASS LEASING, LLC.

1221 Harley Knox Blvd. Perris, CA 92571-7408
(951) 943-1908 Fax (951) 943-5768

SPECIFICATIONS RELOCATABLE CLASSROOMS

- 3.01 CARPENTRY:**
1. **Scope of Work:** Contractor shall provide all labor, materials and services to install carpentry.
2. **Workmanship:**
a) **FRAMING:** securely nailed, bridged and blocked to form rigid structure. Work cut, fitted and assembled level, plumb and true to line. Trim in as long lengths as possible with all standing trim in one piece. Trim sealed at all edges.
b) **NAILING:** In accordance with the title 24 CCR-Table 2304.9.1. Nails shall be corrosion resistant box nails.
c) Machine applied nailing shall have prior demonstration and approval by DSA Field Inspector and the Architect. The approval is subject to continuous satisfactory performance. Plywood shall have a minimum thickness of 3/8". If nail heads penetrate the outer ply more than would be normal for a hand hammer or if minimum allowable edge distances are not maintained, the performance will be deemed unsatisfactory.
d) **TRIM:** sealed at all edges. Sealant painted to match trim or siding.

- 4.01 MATERIAL SPECIFICATIONS:**
- Structural framing shall be Hem Fir-Larch graded in accordance with the standard grading rules of the Western Wood Products Association or standard grading rules No. 16 of the West Coast Lumber Inspection Bureau, latest editions. Grades shall be as follows unless noted otherwise on the drawings. (Hem Fir South is not allowed.) Each piece shall be grade marked and no piece may fall below grade indicated. All framing except as noted Hem Fir No. 2
 - Plywood shall be as shown on these drawings with exterior glue in accordance with U.S. Product Standard PS 1-07. All panels shall be marked with an APA grade mark with an identification index as shown on drawings. Use 4"x8" panels minimum, except at boundaries and at framing changes where minimum panel dimension shall be 24" at roofs and floors and 12" at walls.
 - Bolts for timber connections shall conform to ANSI/AISI Standard B18.2.1-2012 & 2012 edition of NDS (The National Design Specification for Wood Construction by the National Forest Products Association). Bolts shall be installed in accordance with the requirements of 2012 NDS. Bolt holes shall be 1/32" to 1/16" inch larger than bolt diameter. Bolts shall be full body steel bolts with minimum yield strength of 45,000 PSI. Re-tighten bolts before closing of work.
 - Lag screws shall be steel and conform to ANSI/AISI Standard B18.2.1 and 2012 NDS. Holes for lag screw shanks shall be bored to the same depth and diameter as the shank. The remaining depth of penetration of the screw shall be bored to 70% of the shank diameter. One quarter inch (1/4") diameter lag screws need not have pre-drilled holes if it can be shown that wood members are not damaged during installation. Provide full diameter body lag screws with bending yield strengths per Table 11J in NDS
 - Provide malleable iron washers or equivalent cut plate washers (not less than a standard cut washer) under nuts and bolt or lag screw heads which bear on wood.
 - Wood screws shall conform to ANSI/AISI Standard B18.6.1 and the requirements of the 2012 NDS. Galvanized or other corrosion resistant coating where exposed to weather or used in foundations. Screws shall be steel with cut threads and bending yield strengths per Table 11L in NDS.
 - Wood members shall be cut or notched only as shown on structural drawings.
 - When required nailing tends to split wood members, nail holes shall be pre-bored to 3/4 of the nail diameter.
 - Structural nailing shall be with BOK NAILS per all requirements of 2012 NDS. Nailing not specifically indicated shall comply with CCR Title 24, Part 2, Table 2304.9.1. All nails shall be galvanized or other corrosion resistant coating where exposed to weather, in foundations and as noted on plans, per the requirements of CCR Title 24, Part 2, with minimum bending yields per table 11N in NDS. (See nail equivalence below.)
Nail equivalence:
(provide minimum nail lengths as required for specified penetration, TYPICAL: U.N.O.)
8d equals .113" DIA. - provide 1.30" minimum point penetration
8d equals .131" DIA. - provide "1.57" minimum point penetration
 - Pressure preservative treatment shall be per Section 2303.1.3, CCR Title 24, Part 2. Provide quality mark on all treated foundation members that comply with CCR 2303.1.3.1. All foundation members shall be marked as "For ground contact" or "For above ground use" as appropriate. Pressure treated material shall comply with ANPA Standard U1 as required by CCR 2303.1.3. Treat all cut ends of pressure treated members with an approved preservative. (Millard WB Copper Green 2% or an approved equivalent). Where noted, members below the sub floor that are not a part of the foundation shall be pressure treated.
 - Only material in contact with ground needs to be pressure treated, all other foundation lumber can be DF or HF#2 or equal.
 - If machine nailing is utilized for this project, contractor shall comply with all requirements of CCR Title 24, Part 2. Machine nailing is subject to approval by the Structural Engineer or Architect and the Division of the State Architect.
 - Fasteners for pressure-preservative treated and fire-retardant treated wood shall comply with Section 2304.9 of CBC.
 - Nails and spikes used in wet or exterior locations shall comply with Section 2304.9.1.1 of CBC.
 - Shim material shall be plywood CD EXP 1 or equal (not pressure treated).
 - Used lumber in good condition is acceptable for use in foundation system.
 - The plates shall conform to A-1011 Grade 33.

- 5.01 SITE INSTALLATION REQUIREMENTS FOR DSA CLASSROOM BUILDINGS:**
- In the case of equipment located in the State of California, the LESSEE (School District) is responsible for the site being cleared (free of grass, trees, shrubs, etc) and graded to within 4 1/2" of level grade for each building. If the site exceeds the 4 1/2" level grade requirement additional costs may be charged to lessee.
- Under no circumstances should the site be greater than 9" from level grade or have less than a 1000 PSF MINIMUM SOIL BEARING PRESSURE.
- Prior to delivery, the lessee shall mark the four corners of the building on the site, including door location. Should special handling be required to other place, install or relocate the classroom on the lessee's site due to site obstruction such as fencing, landscaping, other classrooms, etc., additional costs will be charge to the lessee.

- 6.01 TEST AND INSTALLATION:**
- Provide Electrical Grounding Test per DSA IR E-1.
 - Field Welding for welded tie plate option. (If used, requires Test and Inspection.)
The example form DSA 103's shown on this sheet are for illustration purposes only. A form DSA 103 is to be completed for each application that this PC is being incorporated into and all example form DSA-103's are to be processed out on this drawing.
 - No other tests and inspections are required.

- 1.01 GENERAL REQUIREMENTS:**
- The requirements of the general conditions of the agreement and these General Requirements apply to the several trade sections with the same force as though fully repeated in each section.
 - Name brands are indicated to establish a standard of quality. Items of equal or better quality may be substituted for the listed brand named products.

- 1.02 SCOPE OF WORK:**
- The work consists of installing on-site, modular Relocatable buildings as defined herein, shown and detailed on the drawings.
 - All requirements of CCR (California Code of Regulation) Title 19 and 24 relating to inspections and verified reports shall be complied with and shall include:
a) General responsible charge of Field Administration by the Architect of Record.
b) Inspection during the course of construction by an inspector approved by DSA (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.
c) On site inspection of the building installation, electrical and utility of the building installation or connection by an inspector approved by the DSA and retained by the School District.
d) Other special tests or inspections as may be required by DSA. Cost of these inspections/tests shall be borne by the School District.

- 1.03 WORK NOT INCLUDED:**
- All on-site or off-site utilities and the connection of them to the building unless indicated on the drawings.
 - All leveling, grading or other site preparation (except concrete or wood leveling strips, where Required) unless otherwise indicated on the drawings.
 - Fire alarm system, program bell, clock, public address system, intercom system, TV system, computer data or any other low voltage system, unless otherwise indicated on the drawings or the lease agreement.

- 1.04 ACCESSIBILITY OF SITE:**
- The School District shall provide access to the site for the installation of the building. Removal of trees, shrubs, fencing, sprinklers, etc. necessary for move-in and removal of the buildings shall be the responsibility of the School District.

- 2.01 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 and the District Architect.
 - Assembly of Elements:**
a) In a location off the site as determined by the District Architect. The contractor shall place the foundation 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 plans and details of the original building manufacturer's drawings.

DSA DIVISION OF STRUCTURAL TESTS & SPECIAL INSPECTIONS - 2013 CBC

DATE SUBMITTED: _____ APPLICATION NO: _____

INSPECTOR: _____

TEST OR SPECIAL INSPECTION: _____

TEST RESULTS AND COMMENTS: _____

TESTED BY: _____

TESTED ON: _____

TESTED AT: _____

TESTED FOR: _____

TESTED BY: _____

TESTED ON: _____

TESTED AT: _____

TESTED FOR: _____

TESTED BY: _____

TESTED ON: _____

TESTED AT: _____

TESTED FOR: _____

- APPLICABLE BUILDING CODES**
ALL NEW WORK SHALL COMPLY AND CONFORM TO THE REQUIREMENTS OF THE 2013 CBC
- 2013 CALIFORNIA CODE OF REGULATIONS (CCR) As of January 01, 2014***
-2013 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE PART 1, TITLE 2 (2012 INTERNATIONAL BUILDING CODE VOLUMES 1-2 WITH 2013 CALIFORNIA AMENDMENTS)
-2013 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24, CCR (2011 NATIONAL ELECTRICAL CODE WITH 2013 CALIFORNIA AMENDMENTS)
-2013 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24, CCR (2012 UNIFORM MECHANICAL CODE WITH 2013 CALIFORNIA AMENDMENTS)
-2013 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24, CCR (2012 UNIFORM PLUMBING CODE WITH 2013 CALIFORNIA AMENDMENTS)
-2013 CALIFORNIA ENERGY CODE (CEC) PART 6, TITLE 24, CCR*
-2013 CALIFORNIA FIRE CODE PART 9, TITLE 24, CCR (2012 INTERNATIONAL FIRE CODE WITH 2013 CALIFORNIA AMENDMENTS)
-2013 CALIFORNIA REFERENCED STANDARDS CODE PART 12, TITLE 24, CCR TITLE 19 CCR PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS.

DESIGN DATA:
FLOOR LIVE LOAD = 50 PSF, 60 + 20 PSF PARTITIONS, 100 PSF
ROOF LIVE LOAD = 20 PSF REDUCIBLE FOR TRIBUTARY AREA
WIND SPEED = 120 MPH (V) (3 SECOND GUST), Kz = 1.0
SNOW LOAD: PROJECT IS NOT LOCATED IN A SNOW REGION.
BUILDING CODES = 2012 IBC AND CBC 2013

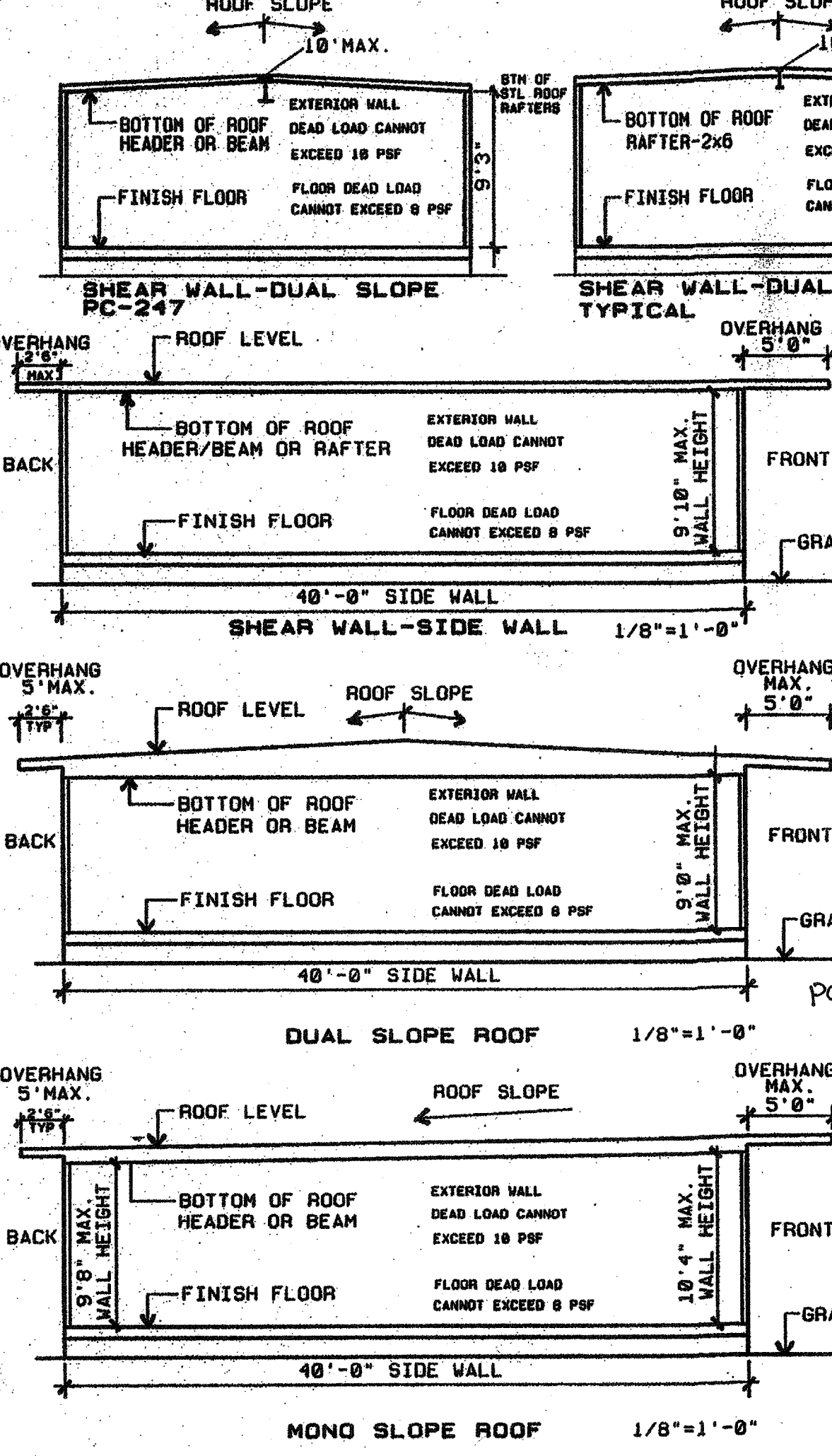
SEISMIC DESIGN DATA:
Basic Seismic-Force-Resisting System = STEEL MOMENT FRAME
ANALYSIS PROCEDURE USED = ANALYSIS PROCEDURE USED = E (per CBC Section 1613A.5.6)
Design Base Shear = 2400 BUILDING = 9400 # (Roof, Floor, Walls & Partitions)
2400 BUILDING = 14500 # (Roof, Floor, Walls & Partitions)
4500 BUILDING = 19200 # (Roof, Floor, Walls & Partitions)

SEISMIC DESIGN DATA:
Basic Seismic-Force-Resisting System = WOOD FRAME SHEAR WALLS
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE
Design Base Shear = 2400 BUILDING = 9400 # (Roof, Floor, Walls & Partitions)
2400 BUILDING = 14500 # (Roof, Floor, Walls & Partitions)
4500 BUILDING = 19200 # (Roof, Floor, Walls & Partitions)

LIMITATIONS FOUNDATION PC ONLY:
FOUNDATION ONLY PC IS DESIGNED TO SUPPORT THE SUPERSTRUCTURE FOR THE RELOCATABLE BUILDINGS AS LISTED ON THIS DRAWING.

THE DESIGN CALCULATIONS ARE BASED ON THE FOLLOWING:

- DSA APPROVED STOCKPILE BUILDINGS
- ROOF OVERHANGS OF 6'-0" MAXIMUM
- SINGLE SLOPE OR DUAL SLOPE BUILDINGS:
WALL HEIGHT: 9'-0" MAXIMUM ON DUAL SLOPE BUILDING;
WALL HEIGHT: 10'-0" MAXIMUM ON SINGLE SLOPE BUILDING;
(HEIGHT DETERMINED FROM FINISH FLOOR IN BUILDING TO BOTTOM OF STEEL ROOF STRUCTURE: BEAMS OR ROOF HEADERS)
WALL HEIGHT: 9'-10" MAXIMUM ON SHEAR WALL-DUAL SLOPE BUILDING
- WALL DEAD LOAD OF 10 PSF (NO STUCCO)
- FLOOR DEAD LOAD OF 8 PSF



TYPICAL ELEVATIONS ARE SHOWN TO CLARIFY FOUNDATION PC ONLY LIMITATIONS
DOCUMENTATION SHALL BE PROVIDED BY ENGINEER OF GENERAL RESPONSIBLE CHARGE
TO BE REVIEWED AND APPROVED BY THE DSA STRUCTURAL PLAN REVIEWER.

- SCOPE OF WORK:** DSA FOUNDATION PLANS FOR EXISTING STOCKPILE BUILDINGS FOR CLASS LEASING, LLC.
- SHEET INDEX: STOCKPILE BUILDING FOUNDATION - 2013 CODE UPDATE**
- F1.0 COVER SHEET, BUILDING DATA, STOCKPILE APPROVAL INDEX
 - F2.0 24x40 50 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.1 24x40 50+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.2 36x40 50 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.3 36x40 50+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.4 48x40 50 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.5 48x40 50+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.6 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.7 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.8 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.9 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.10 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.11 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.12 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.13 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.14 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.15 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.16 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.17 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.18 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.19 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.20 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.21 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.22 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.23 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.24 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.25 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.26 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.27 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.28 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.29 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.30 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.31 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.32 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.33 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.34 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.35 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.36 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.37 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.38 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.39 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.40 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.41 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.42 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.43 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.44 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.45 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.46 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.47 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.48 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.49 48x40 100+20 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
 - F2.50 48x40 100 PSF FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD

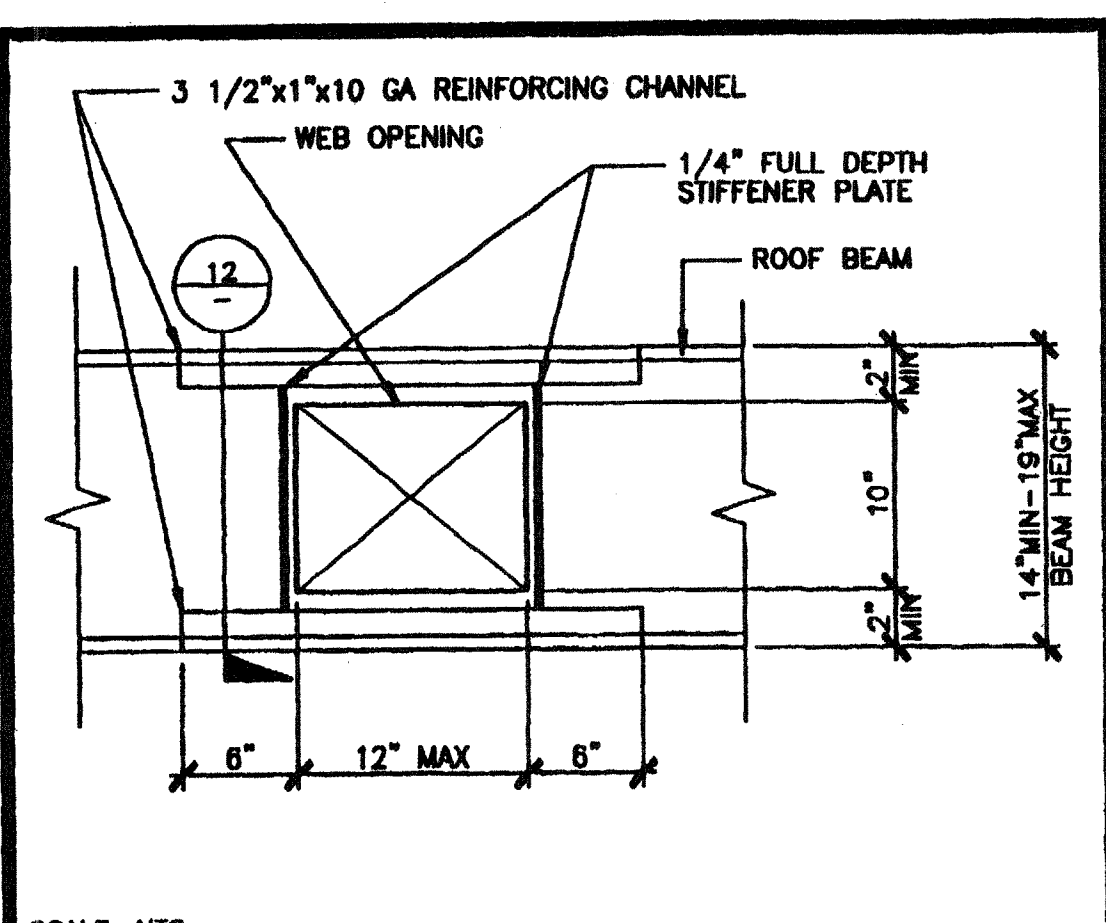
- SHEET INDEX: BELOW GRADE CONCRETE FOUNDATION DESIGNED FOR MODTECH BUILDINGS ONLY**
- C1.0 COVER SHEET, BUILDING DATA, STOCKPILE APPROVAL INDEX
 - C2.0 24 x 40 - 50 PSF CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
 - C2.1 24 x 40 - 50+20 PSF CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
 - C3.0 36 x 40 - 50 PSF CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
 - C3.1 36 x 40 - 50+20 PSF CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
 - C3.2 36 x 40 - 100 PSF CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
 - C3.3 36 x 40 - 100+20 PSF CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
 - C4.0 48 x 40 - 50 PSF CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
 - C4.1 48 x 40 - 50+20 PSF CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
 - C4.2 48 x 40 - 100 PSF CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
 - C4.3 48 x 40 - 100+20 PSF CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD

ADJACENT BUILDINGS: ONLY THOSE BUILDINGS MANUFACTURED BY THE SAME COMPANY MAY BE PLACED ADJACENT TO EACH OTHER

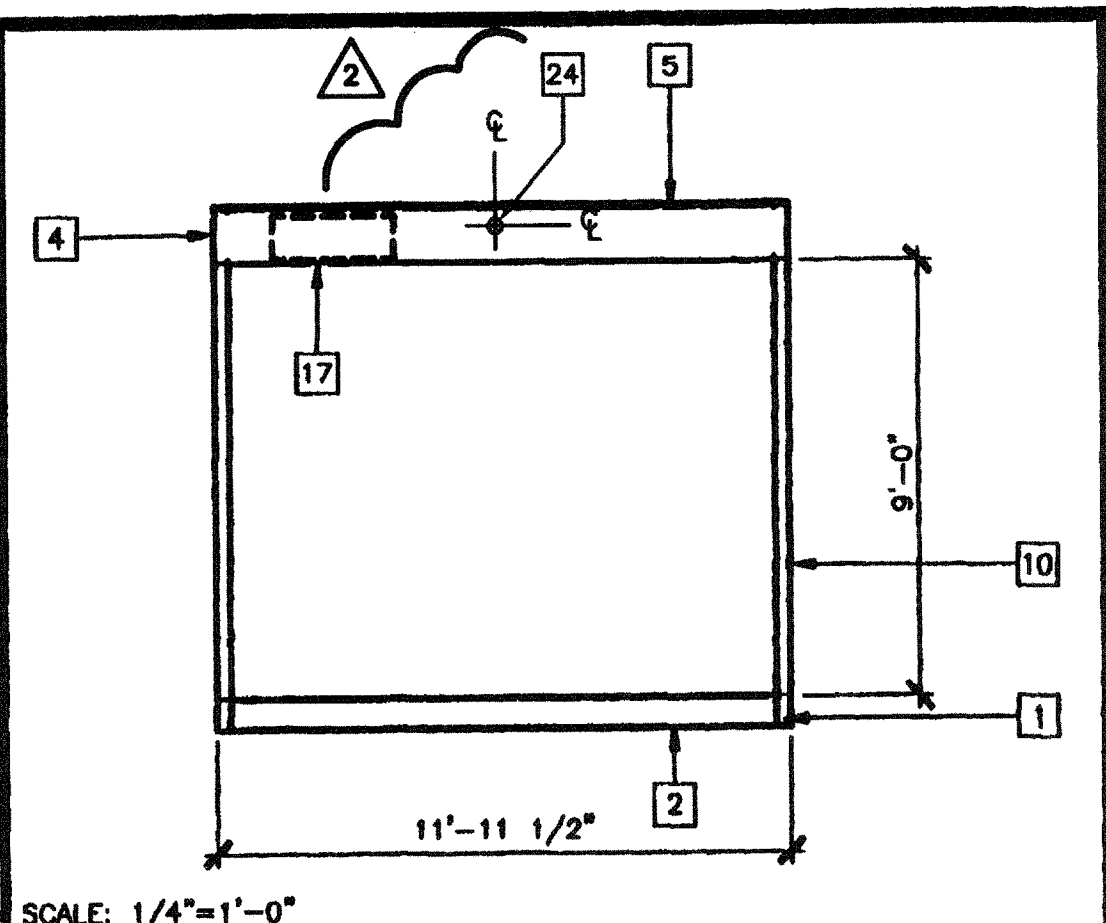
CLASS LEASING-APPROVED STOCKPILE A NUMBERS FOR THIS FOUNDATION PC

BUILDING DATA - 24 x 40 SHEAR WALL	DSA #	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG
STKP 029	02972	SHR	10-21-1998	24 x 40	50+20#	MODTECH
STKP 02	02972	48130-SHR	11-06-1998	24 x 40	50#	MODTECH
STKP 01	02973	48130-SHR	11-06-1998	24 x 40	50#	MODTECH
STKP 03	02974	SHR	11-06-1998	24 x 40	50#	MODTECH
STKP 04	02975	48400-SHR	12-07-1998	24 x 40	50#	AURORA
STKP 05	02976	SHR	12-07-1998	24 x 40	50#	MODTECH
STKP 06	02977	SHR	12-07-1998	24 x 40	50#	MODTECH
STKP 22	05113	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 24	05114	PC 20	06-14-1994	24 x 40	50#	MODTECH
STKP 13	01897	PC 247	06-28-1994	24 x 40	50#	MODTECH
STKP 77	07970	PC 247	11-10-1997	24 x 40	50#	MODTECH

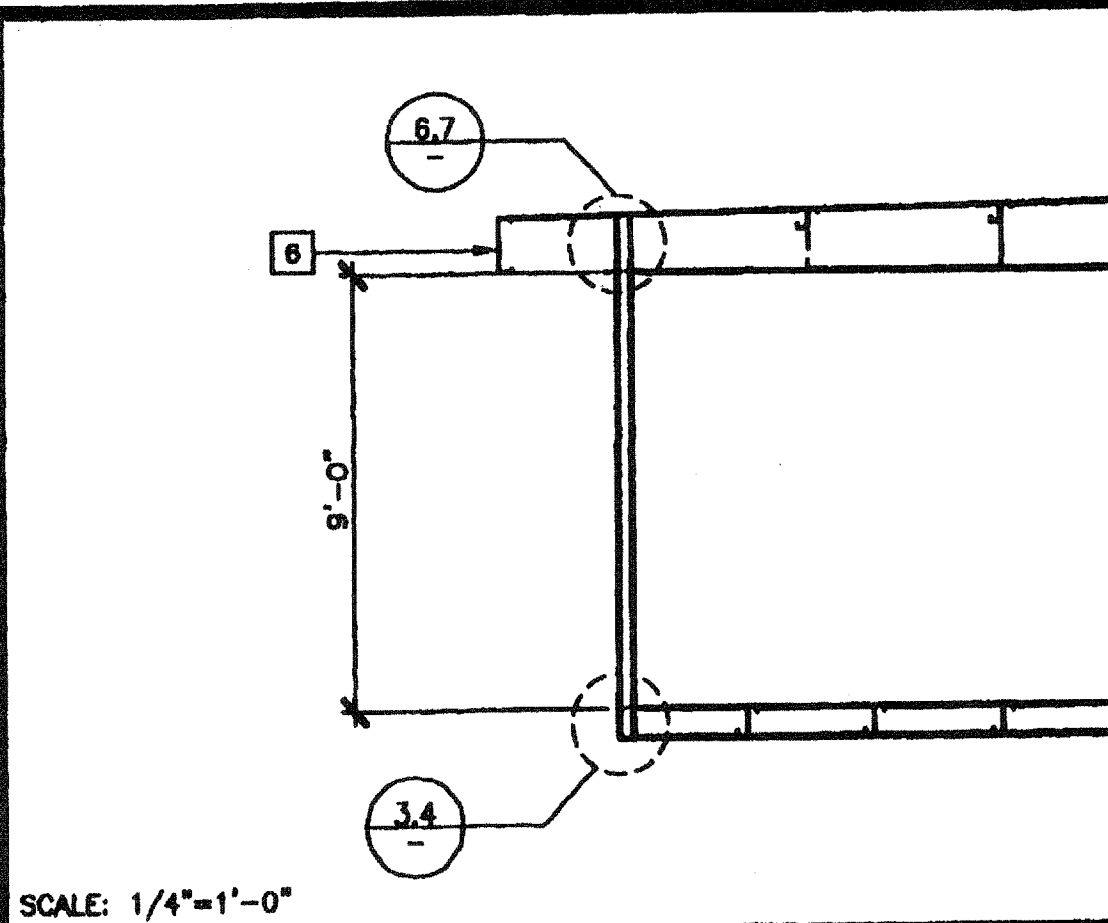
BUILDING DATA - 24 x 40 RIGID FRAME	DSA #	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG
STKP 05	02975	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 06	02976	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 07	02977	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 08	02978	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 09	02979	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 10	02980	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 11	02981	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 12	02982	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 14	02984	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 15	02985	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 16	02986	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 17	02987	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 18	02988	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 19	02989	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 20	02990	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 21	02991	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 23	05112	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 25	05115	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 26	05116	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 27	05117	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 28	05118	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 29	05119	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 30	05120	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 31	05121	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 32	05122	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 33	05123	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 34	05124	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 35	05125	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 36	05126	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 37	05127	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 38	05128	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 39	05129	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 40	05130	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 41	05131	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 42	05132	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 43	05133	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 44	05134	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 45	05135	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 46	05136	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 47	05137	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 48	05138	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 49	05139	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 50	05140	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 51	05141	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 52	05142	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 53	05143	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 54	05144	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 55	05145	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 56	05146	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 57	05147	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 58	05148	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 59	05149	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 60	05150	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 61	05151	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 62	05152	PC 20	10-05-1990	24 x 40	50#	MODTECH
STKP 63	05153	PC 20	10-05-1990	24 x 40	50#	MODTECH



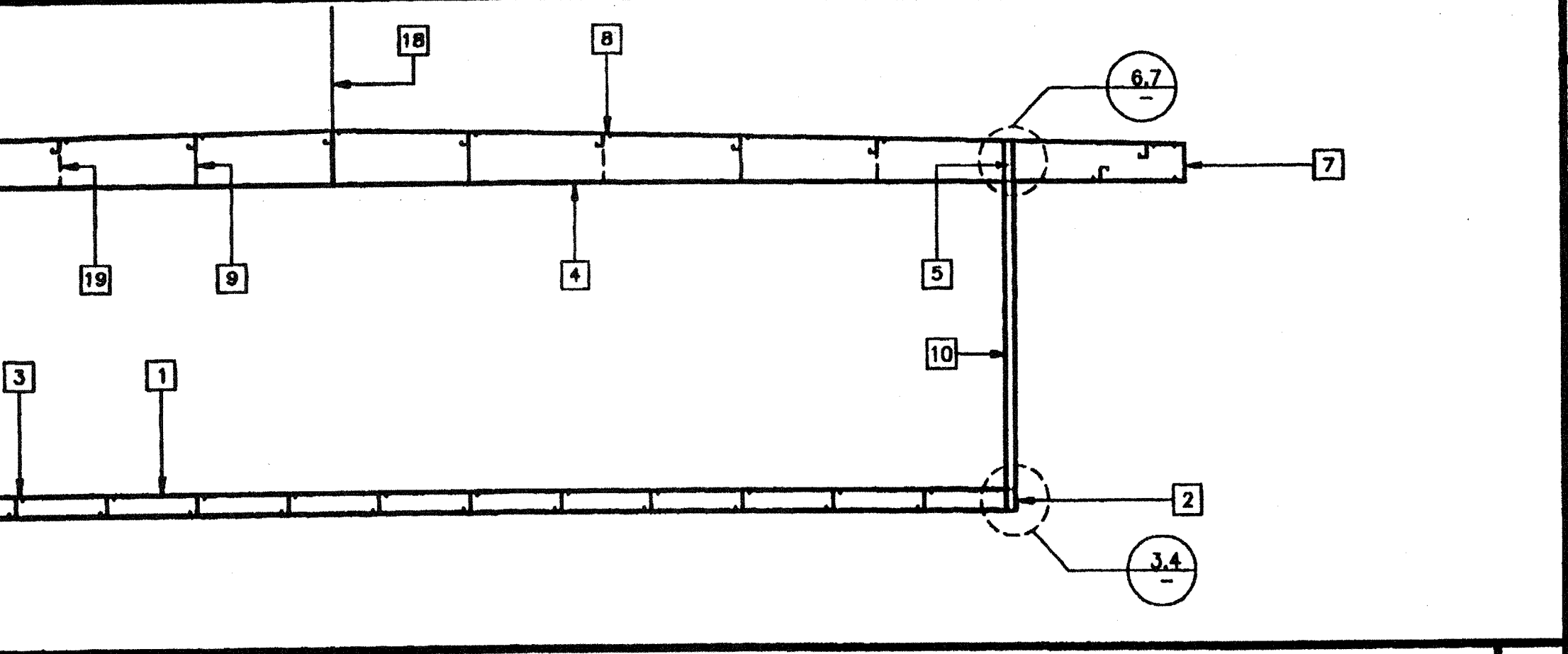
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OPTIONAL BEAM PENETRATION



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SECTION AT END WALL

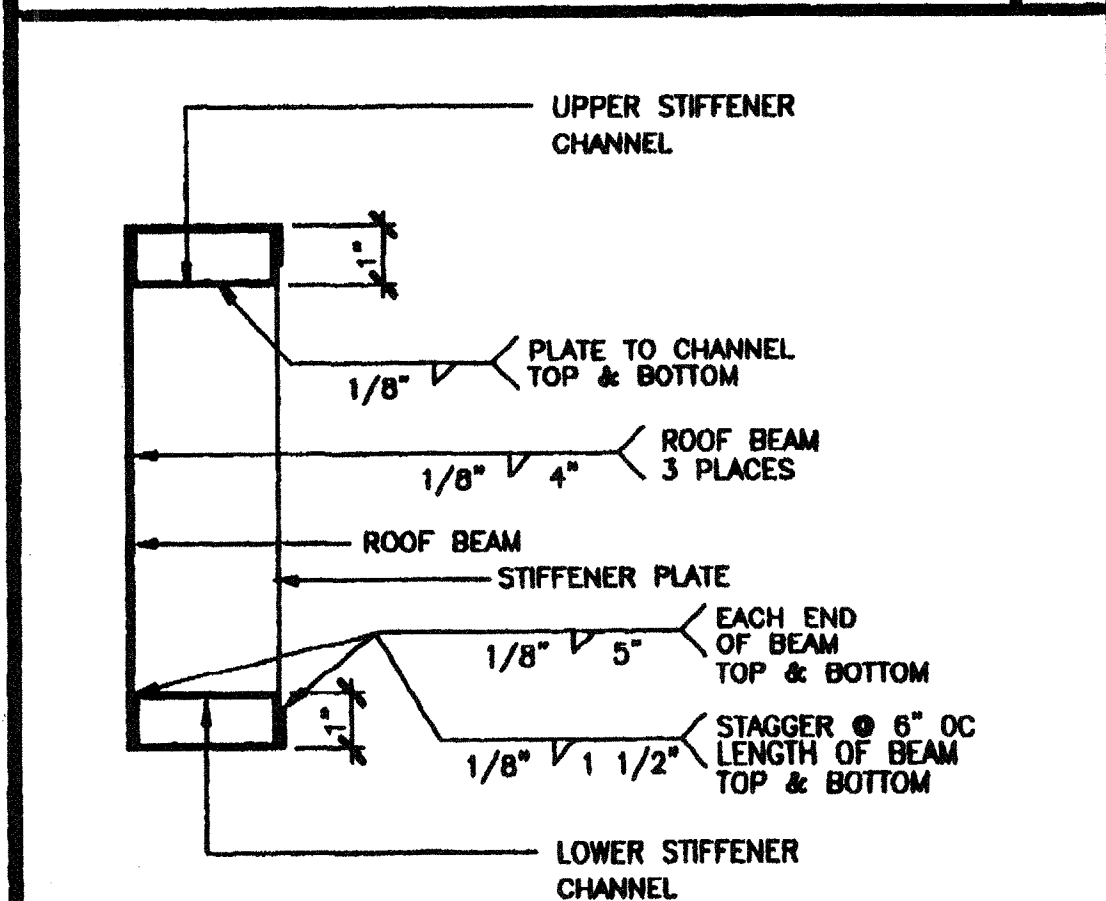


SCALE: 1/4"=1'-0"
SECTION AT SIDE WALL

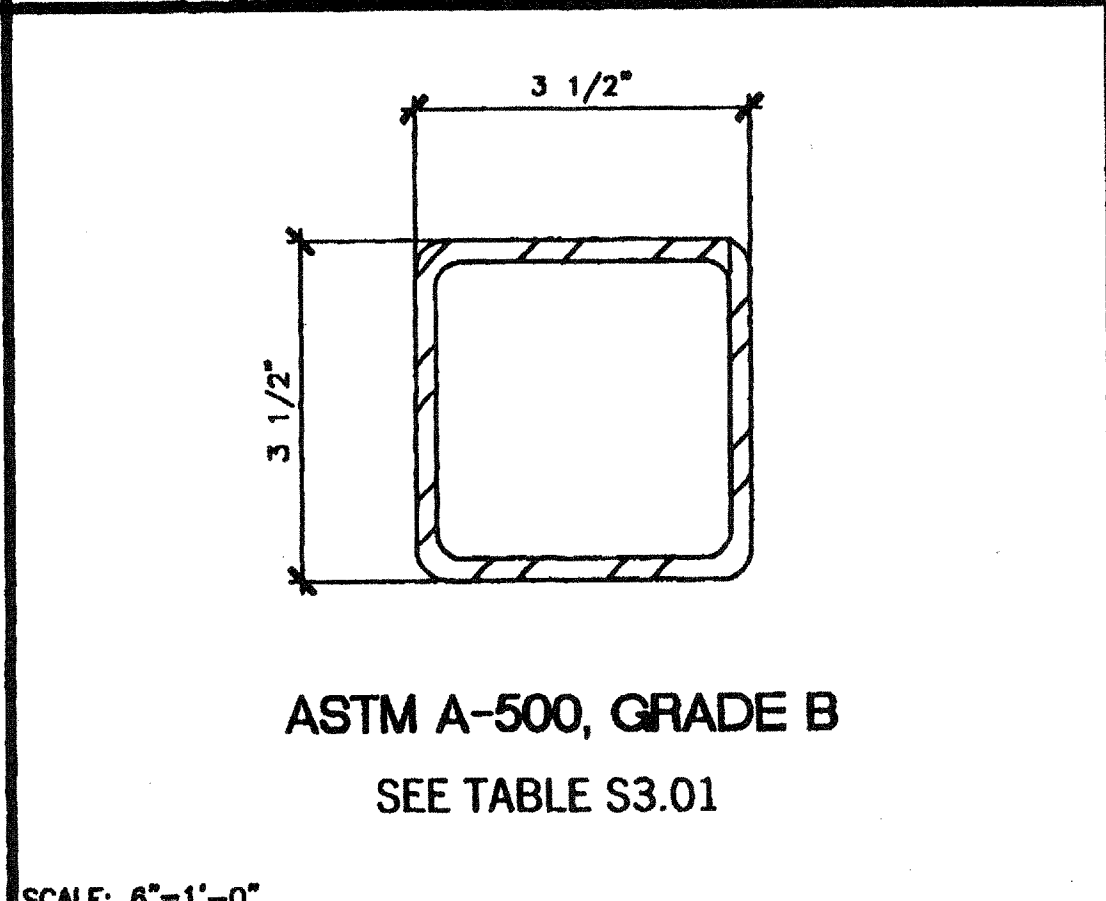


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MODULE CONNECTION AT FLOOR

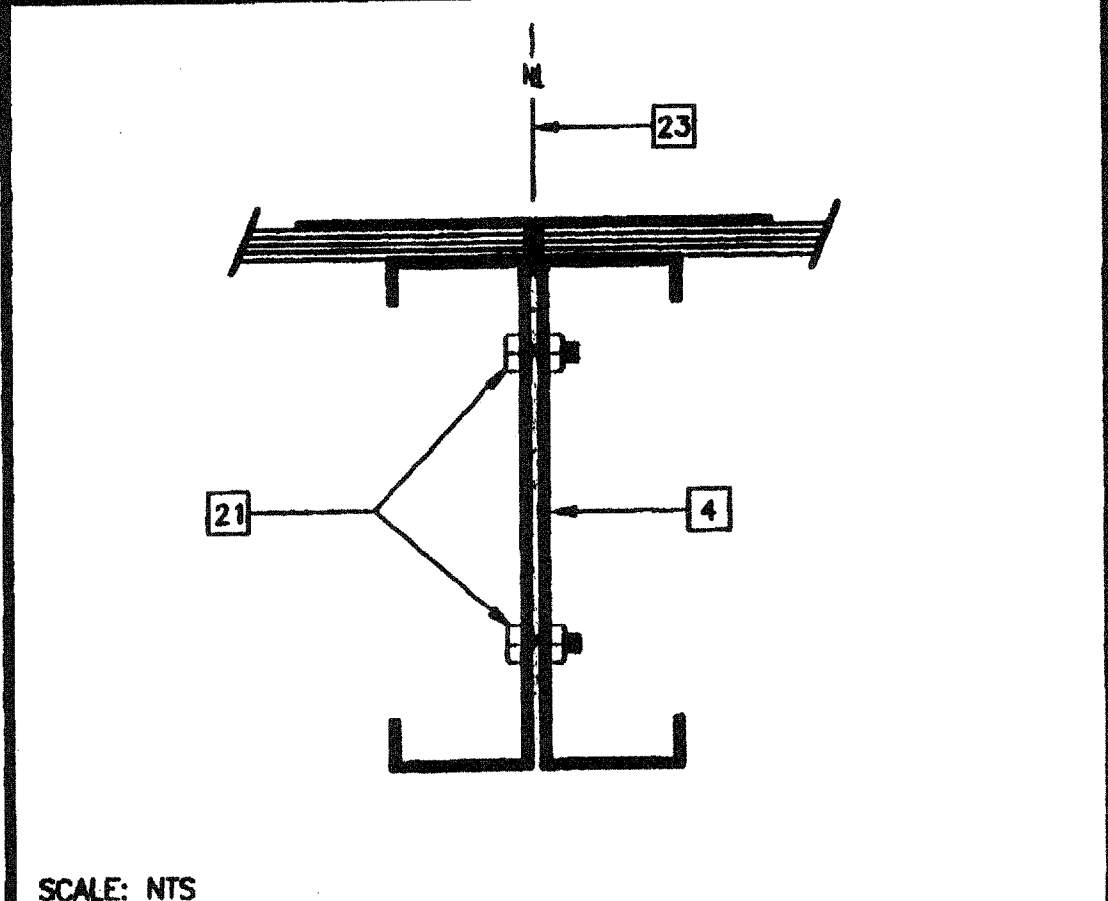
- ### KEY NOTES
- FLOOR BEAM - 1/S1
 - FLOOR HEADER - 1/S1
 - FLOOR JOIST - 2/S1
 - TAPERED ROOF BEAM - 1/S2.01
 - ROOF HEADER - 2/S2.01
 - ROOF FASCIA AT 2'-0" OVERHANG - 3/S2.01
 - ROOF FASCIA AT 5'-0" OVERHANG - 3/S2.01
 - ROOF PURLIN - 4/S2.01
 - 1/4" FULL DEPTH STIFFENER PLATE AT 8'-0" OC TYPICAL ALIGN WITH PURLIN - 9/S2.01
 - TUBE STEEL COLUMN, SEE TABLE BELOW, 8/S3.01
 - 3 1/2"x3 1/2"x1/4" STEEL STIFFENER PLATE. WHEN CONCRETE FOUNDATIONS ARE USED REPLACE LOWER PLATE WITH 5"x8"x1/4" ANCHOR BOLT PLATE - 3/S1
 - 3 1/2"x3 1/2"x1/4" TUBE STEEL STUB
 - (1) 3"x3"x10 GA. TUBE STEEL BACK UP TUBE OR (4) 10 GA BACK UP PLATES
 - 3 1/2"x3 1/2"x1/4" ANGLE STIFFENER
 - BACK-UP PLATE - 10 GA MIN
 - 1/4" BASE PLATE - INSERT FLUSH WITH STIFFENER TUBE
 - HVAC DUCT OPENING - 12/S2.01
 - RIDGE
 - 1/4" FULL DEPTH STIFFENER PLATE AT 4'-0" OC AT EXTERIOR SIDEWALLS ONLY FOR 60 MPH DESIGN WIND LOAD ONLY
 - HAND HOLE AT BOLT LOCATION
 - 5/8" MB A307 AT MODULE CONNECTION JOINT - SEE FLOOR/ROOF FRAMING PLANS
 - FLOOR SHEATHING
 - MODULE JOINT
 - ATTIC RELIEF VENT - SEE 13/-



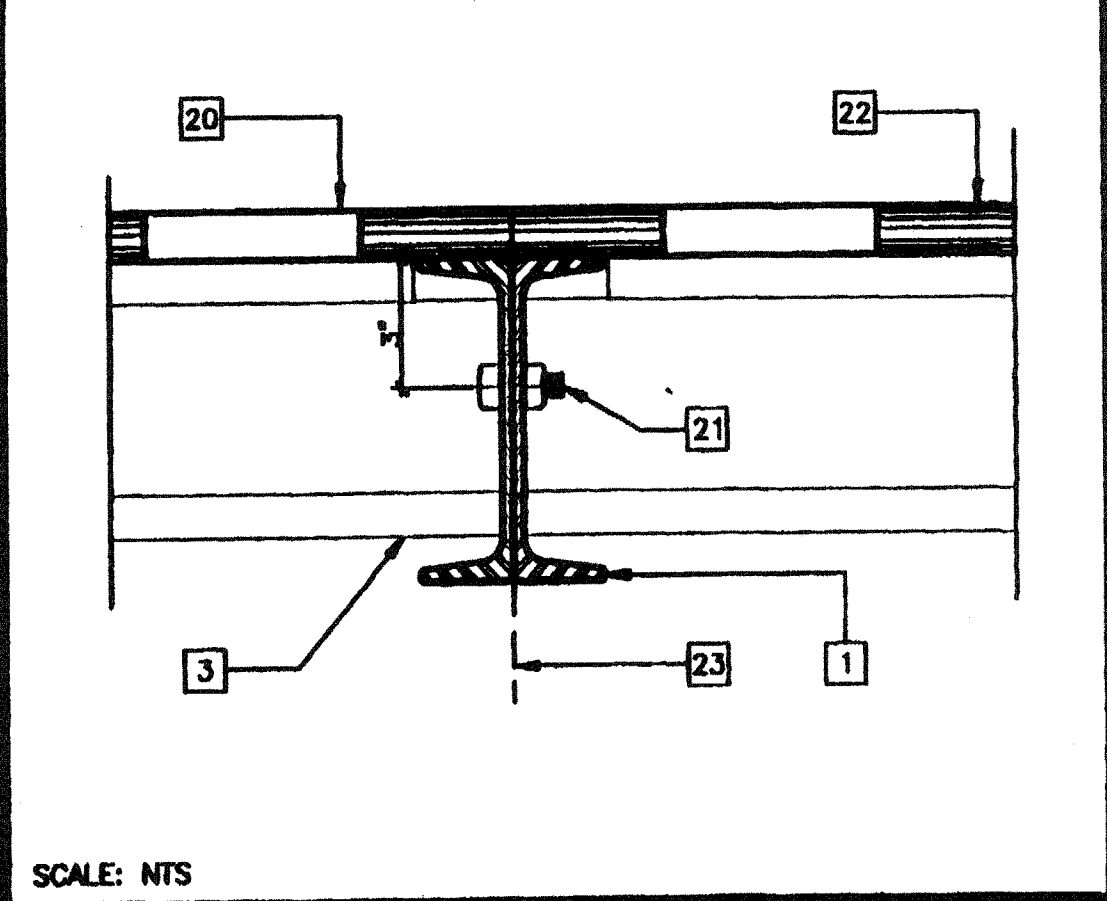
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PENETRATION REINFORCEMENT



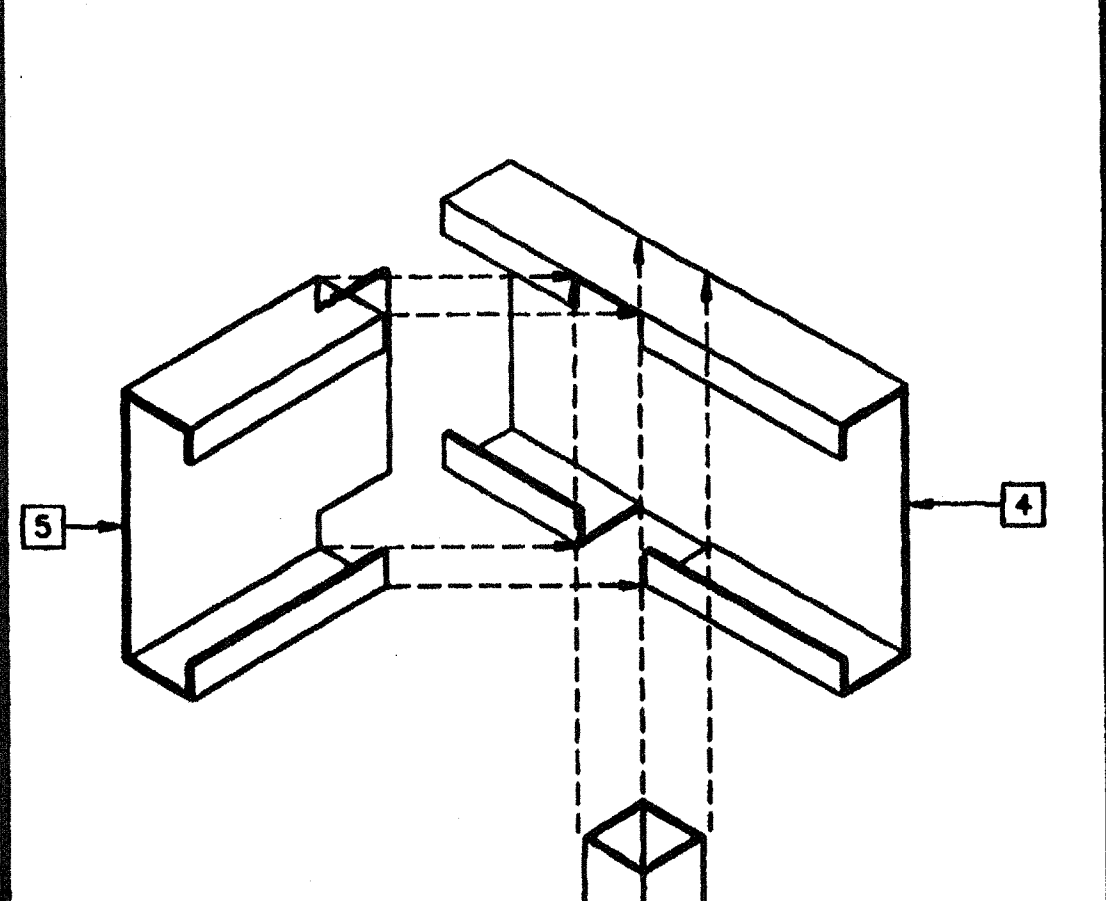
SCALE: 6"=1'-0"
TUBE STEEL COLUMN/STIFFENER



SCALE: NTS
MODULE CONNECTION AT ROOF

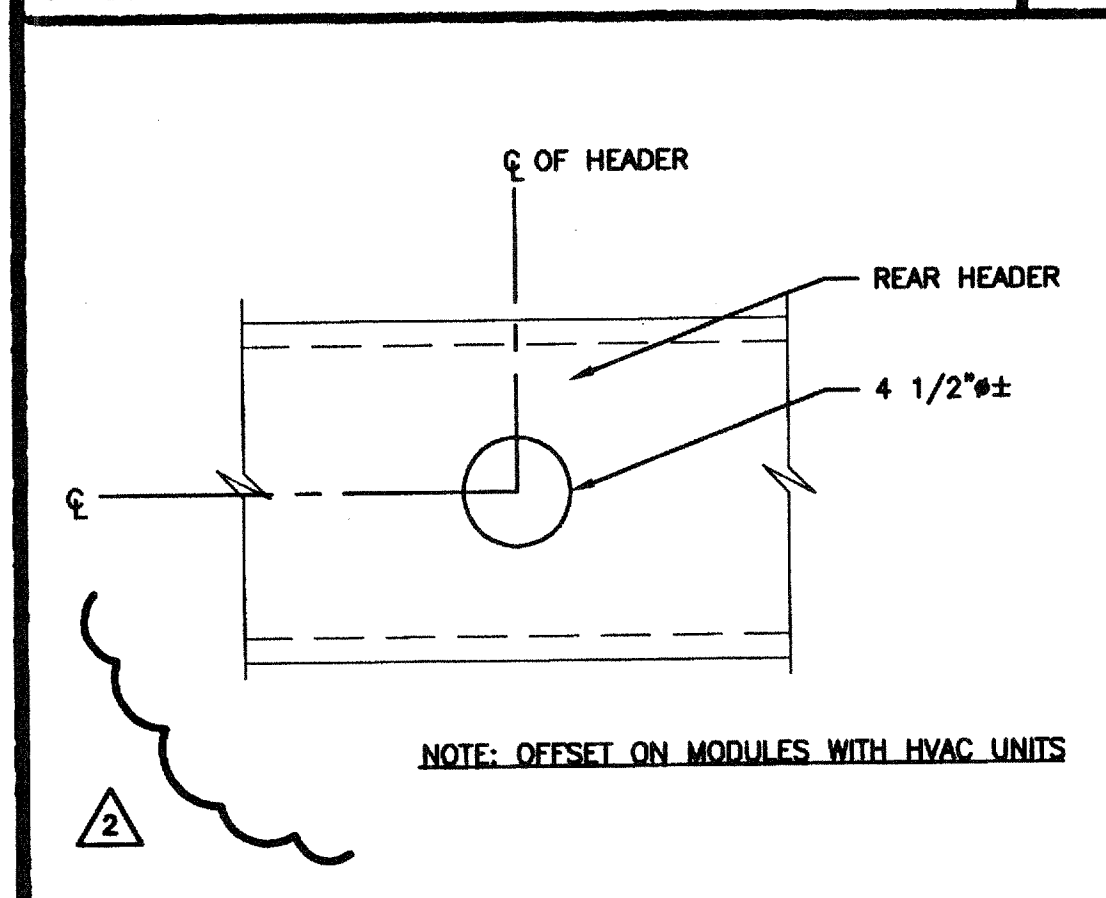


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MODULE CONNECTION AT FLOOR

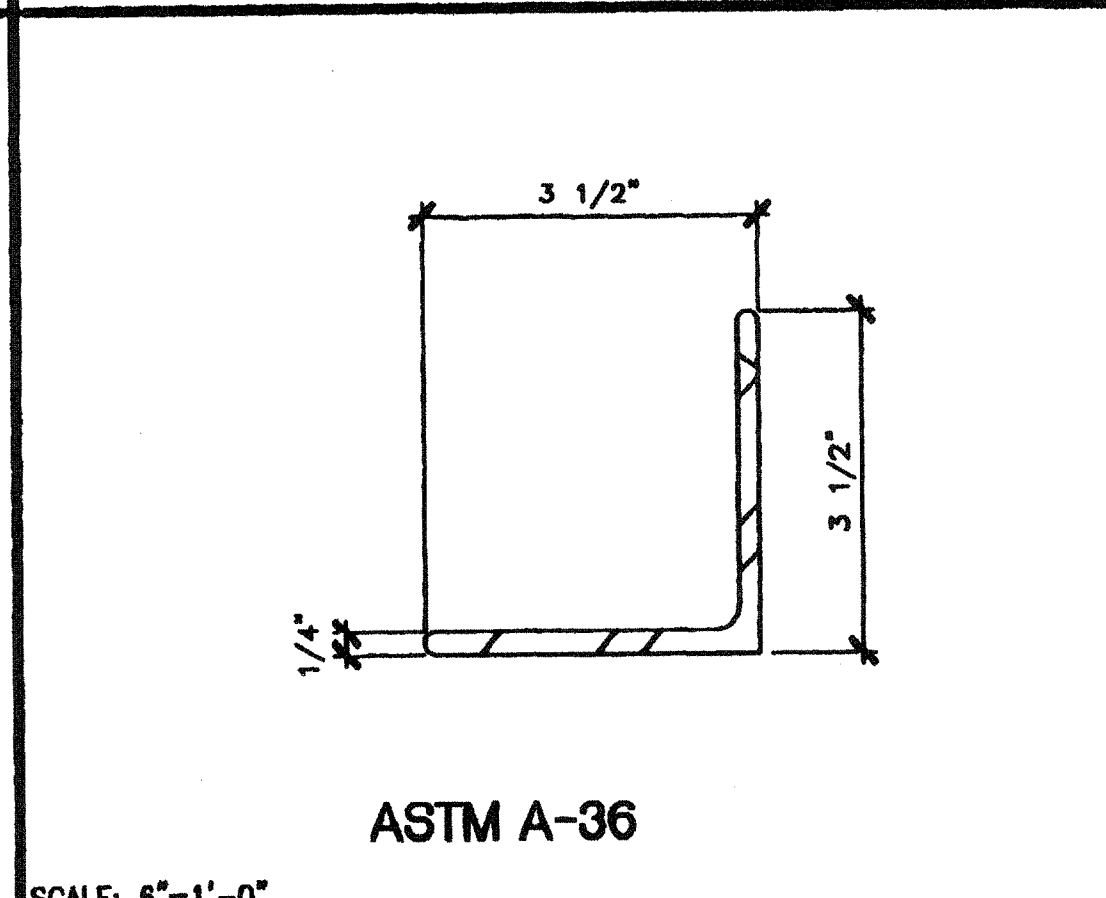


SCALE: NTS
COLUMN SIZE TABLE

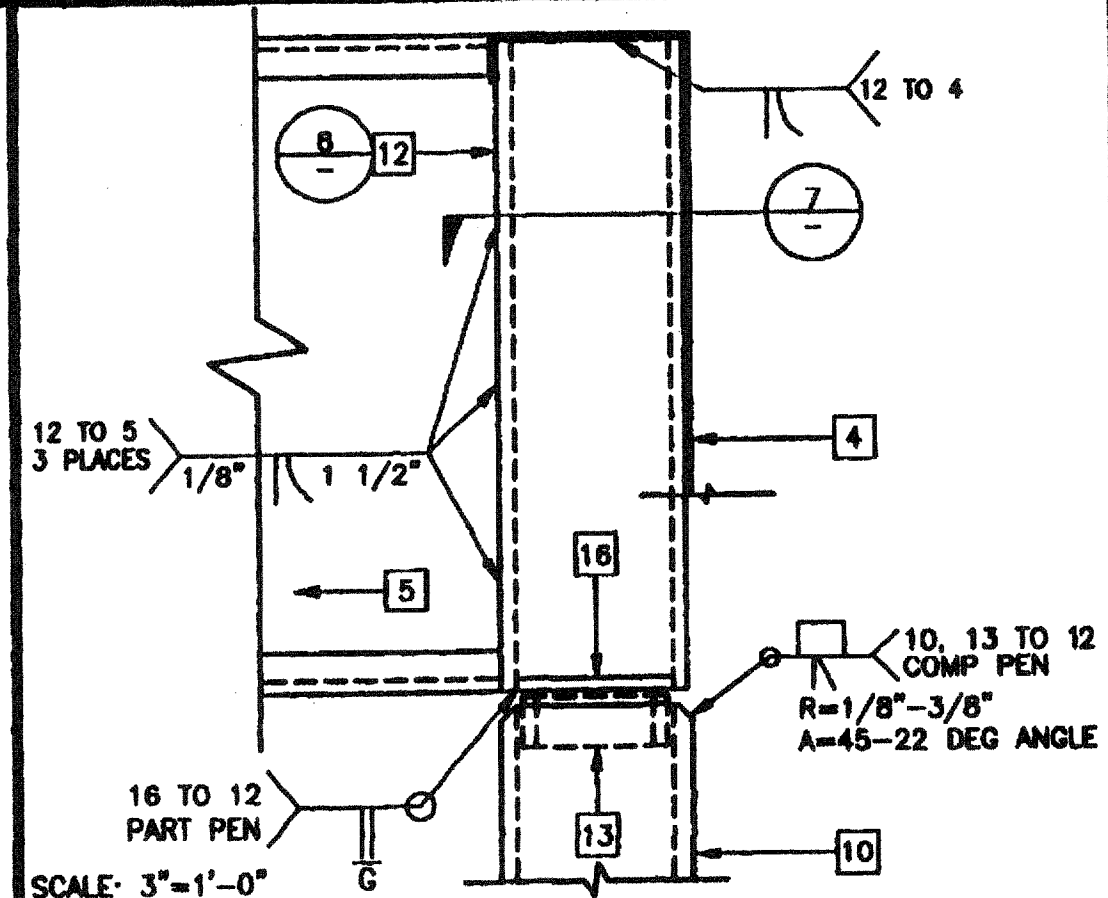
DESIGN WIND LOAD	COLUMN SIZE
70 MPH	3 1/2"x3 1/2"x5/16"
60 MPH	3 1/2"x3 1/2"x5/16"



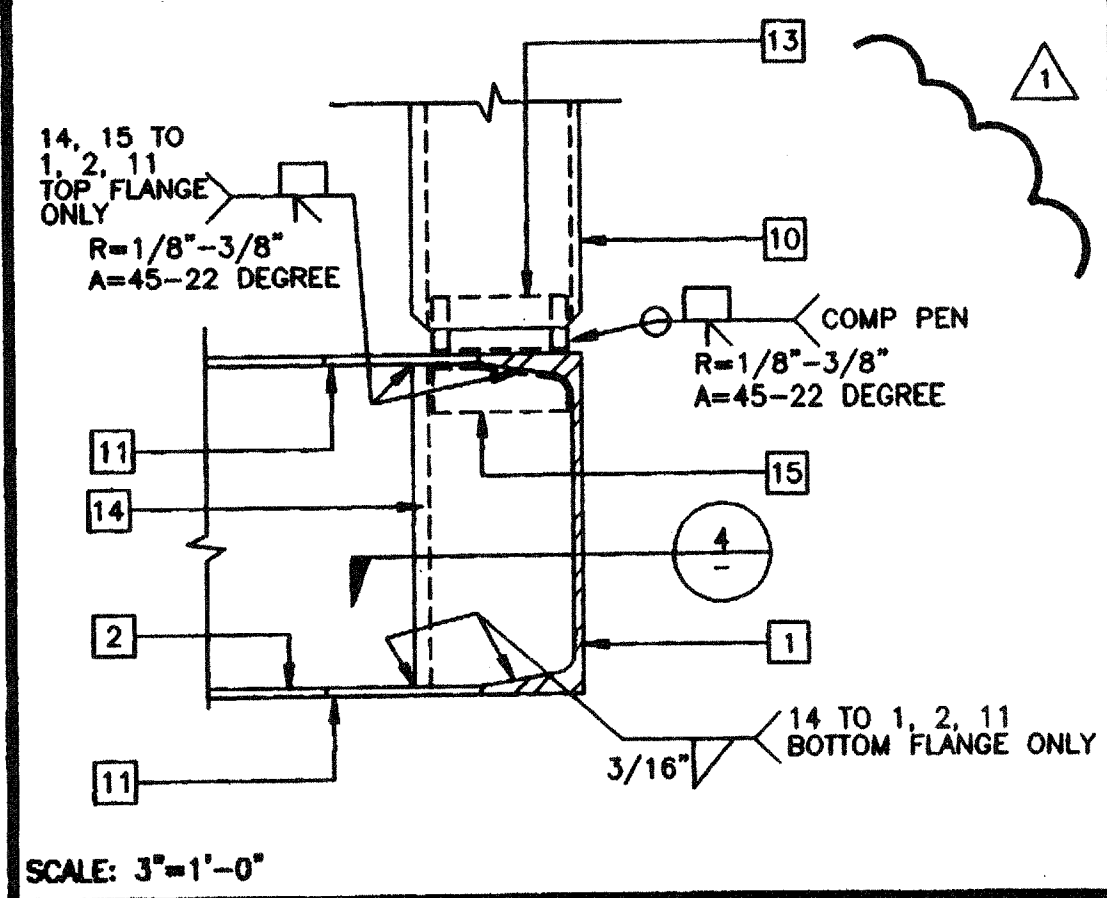
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ATTIC RELIEF VENT



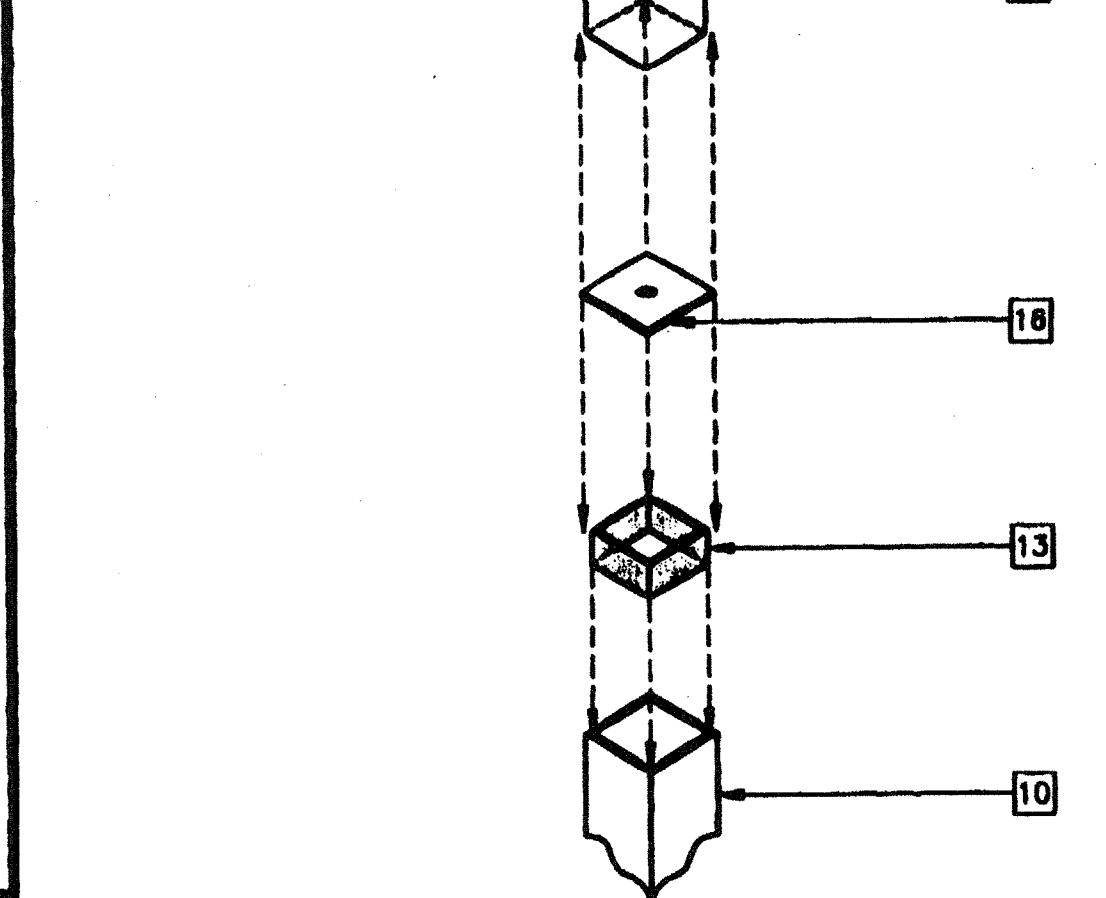
SCALE: 6"=1'-0"
STIFFENER ANGLE



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



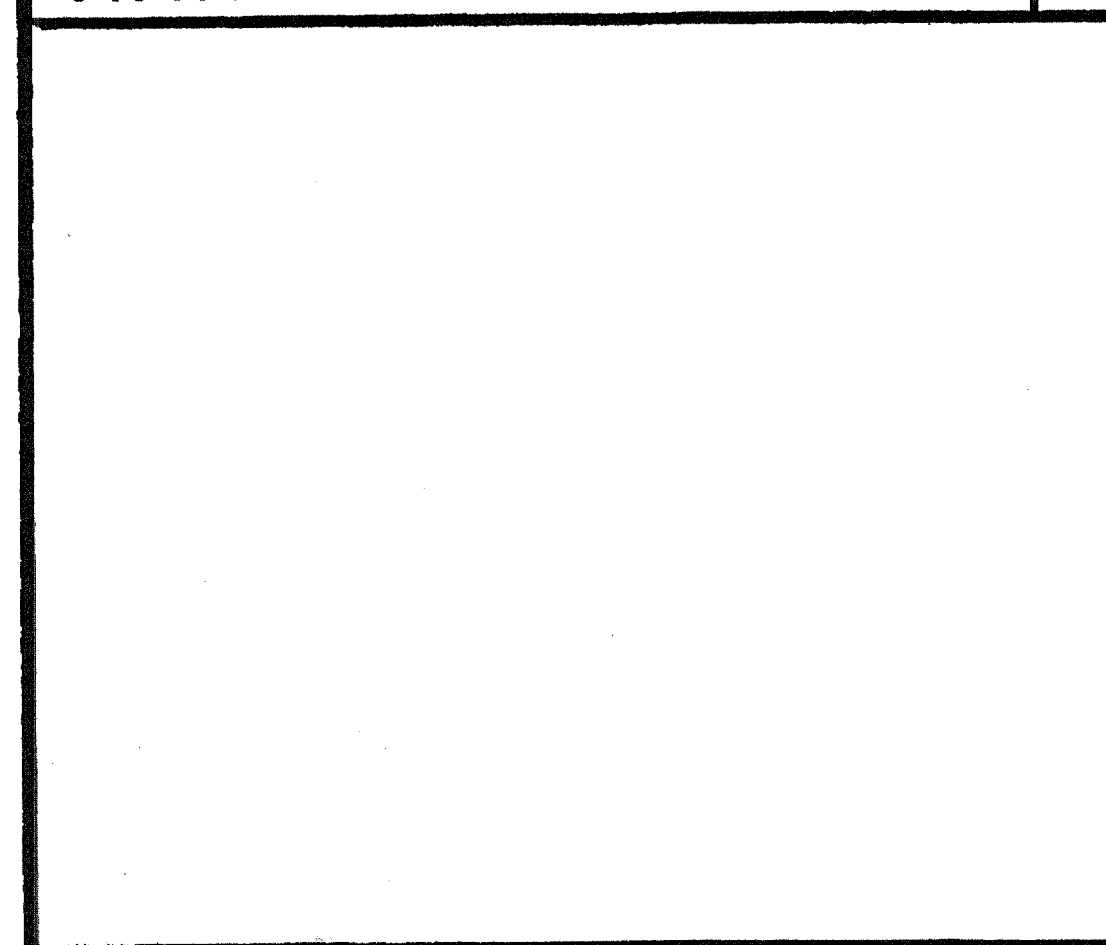
SCALE: 3"=1'-0"
COLUMN AT FLOOR



SCALE: NTS
COLUMN AT FLOOR AND ROOF

COLUMN SIZE TABLE

DESIGN WIND LOAD	COLUMN SIZE
70 MPH	3 1/2"x3 1/2"x5/16"
60 MPH	3 1/2"x3 1/2"x5/16"

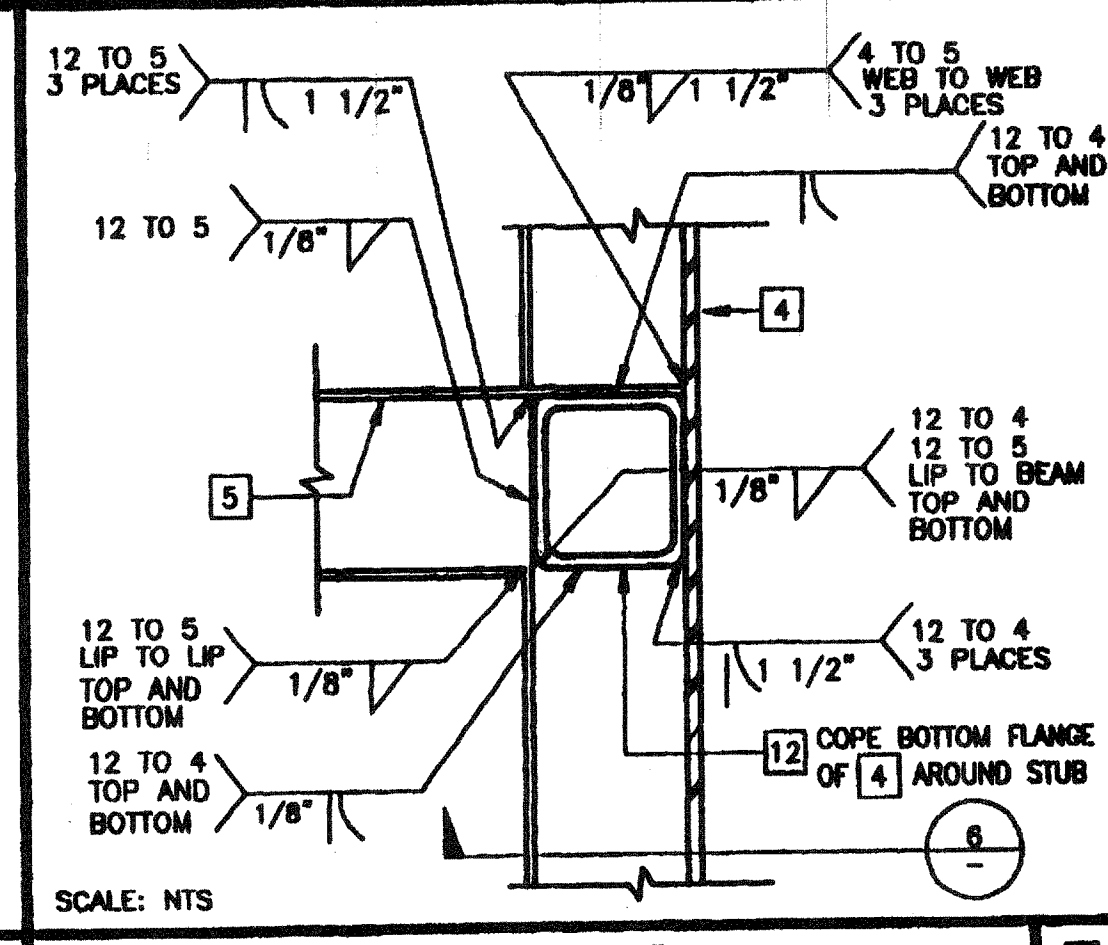


SCALE: NTS
OPTIONAL BEAM PENETRATION

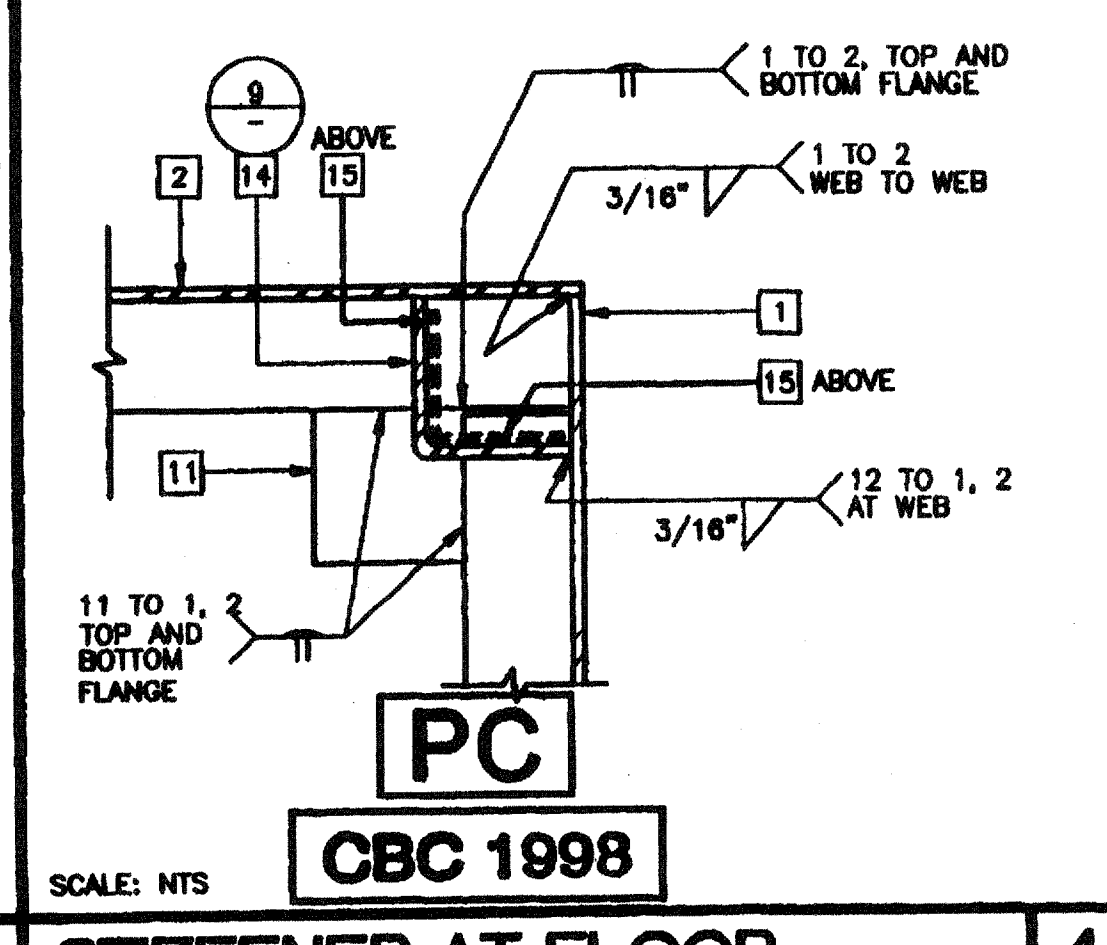
WEB OPENING	PLATE SIZE	PLATE OPENING
6"	12"x12"	6 1/4"x9"
8"	14"x14"	8 1/4"x9"
10"	16"x16"	10 1/4"x9"

18" MIN SPACING EDGE OF HOLE TO EDGE OF HOLE

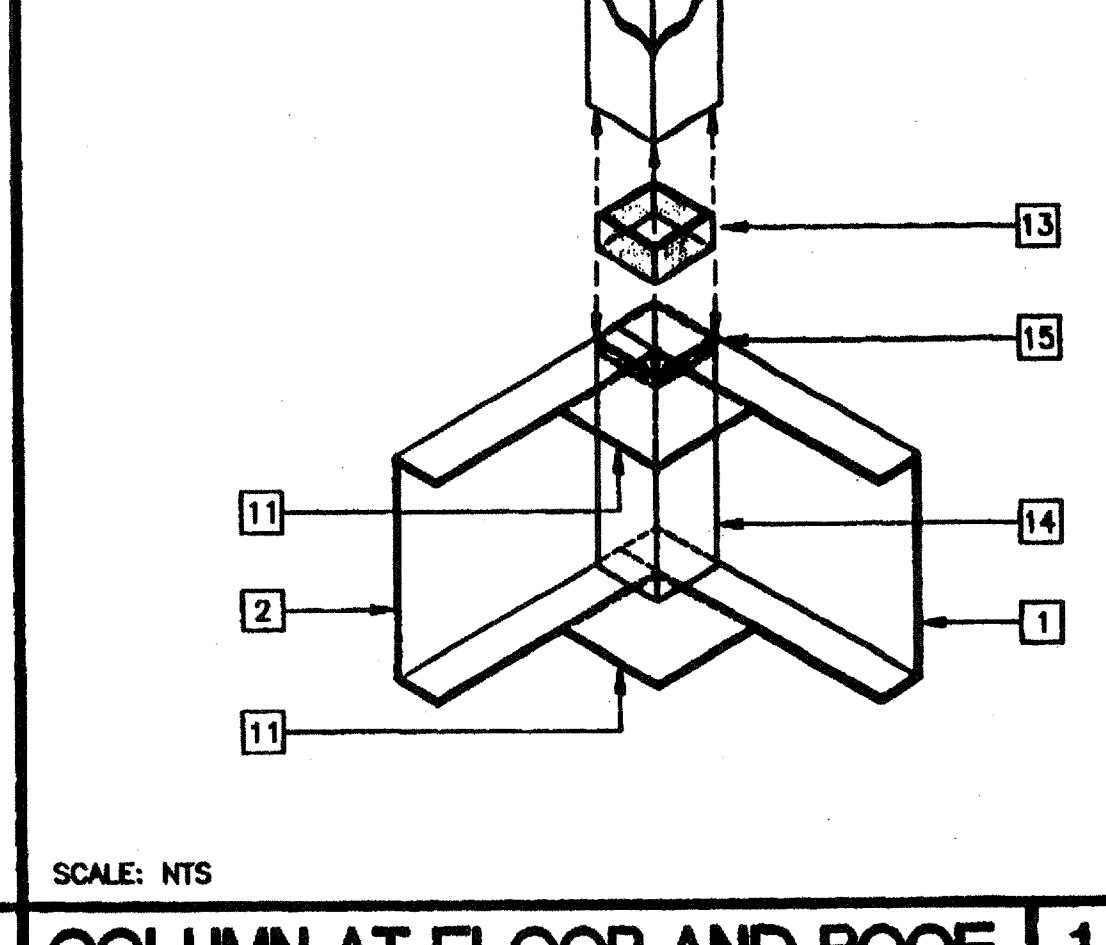
SCALE: NTS
OPTIONAL BEAM PENETRATION



SCALE: NTS
COLUMN AT ROOF



SCALE: NTS
STIFFENER AT FLOOR



SCALE: NTS
COLUMN AT FLOOR AND ROOF

REVISIONS

NO.	DESCRIPTION	DATE
1	CHANGED FLANGE WELD CALL OUT DET 3	11/9/00
2	ADDED ATTIC RELIEF INFO	04/09/02

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

Architect's Seal
REGISTERED ARCHITECT
JAMES C. EDWARDS
STATE OF CALIFORNIA
NOV 09 2000

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4134, 4153, 4173 4302. © MODTECH, INC. 2001
4304, 4307

DRAWN BY: M. ANDERSEN
DATE: APR 15 2002
CHECKED BY: 4012-181
DATE: 04-16-02
MODIFIED: 04-16-02
PROJECT NO. 4134, 4153, 4173, 4302
STRUCTURAL FRAMING 26 GA DUAL PITCH
S3.01

FILE PATH: 2440-4134.DWG
PROJECT NO. 4134, 4153, 4173, 4302
PC-04-101268

ELECTRICAL PANEL SCHEDULE

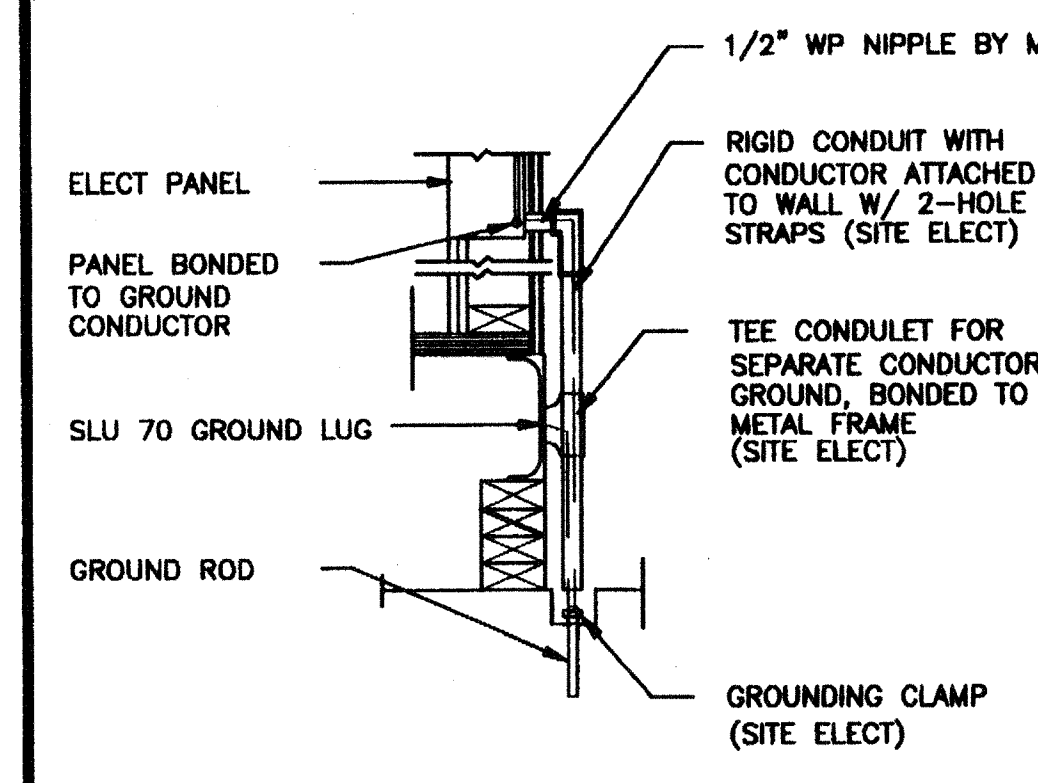
LOAD	WATTS		BREAKER		P		A		B		BREAKER		WATTS		LOAD	
	A#	B#	Amps	P	A	B	A	B	A	B	P	Amps	A#	B#		
RECEPTACLE	720		20	1	1						2	50	3360		HVAC (3 1/2T)	
RECEPTACLE/CLOCK		720	20	1	3						4	-	3360		HVAC (3 1/2T)	
					5						6	2	30	2500	HEAT STRIPS (5KW)	
					7						8	-	-	2500	HEAT STRIPS (5KW)	
INT/EXT LIGHTS	900		20	1	9						10	-	-			
INT. LIGHTS		840	20	1	11						12	-	-	40	FIRE ALARM (DEDICATED)	
WATTS/PHASE	A = 7480		1620	1560									5860	5900	B = 7480	WATTS/PHASE
TOTAL	15385	WATTS	65	AMPS	120/240	VOLTS							SINGLE #		THREE	WIRE

GENERAL GROUNDING NOTES

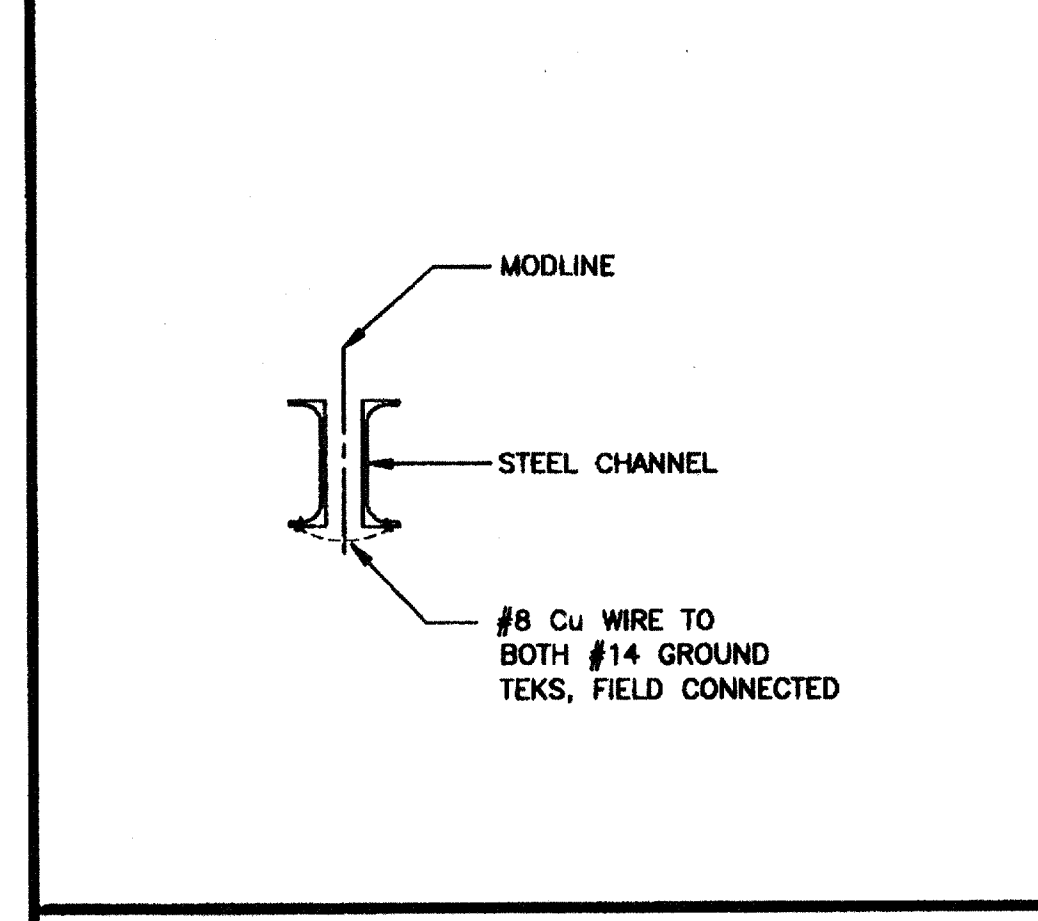
- EACH BUILDING SHALL BE SEPARATELY GROUNDING WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL)
- TESTING: TEST FOR 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)
- 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.
- GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.

ELECTRICAL LEGEND

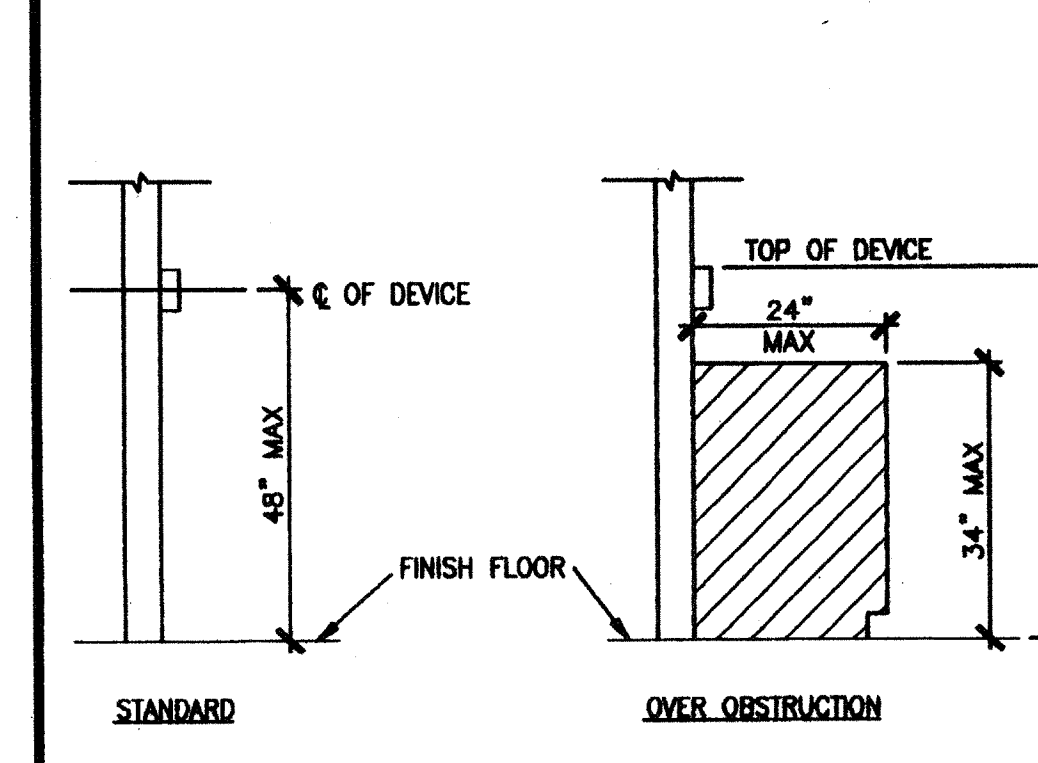
- 2'x4' 4 TUBE FLUORESCENT LIGHT FIXTURE
- EXTERIOR LIGHT FIXTURE AT +93" AFF
- SWITCH AT +48" AFF
- 3WAY SWITCH AT +48" AFF UON
- DUPLEX WALL RECEPTACLE 15A 125V 3-WIRE AT +18" AFF UON
- HVAC UNIT (HV)
- 4SD J-BOX FOR FIRE ALARM PULL STATION AT +48" AFF, TO 3/4" CO TO PULLSTRING
- 4SD J-BOX FOR FIRE ALARM STROBE AT +80" AFF 3/4" CO TO PULLSTRING
- 4SD J-BOX FOR FIRE ALARM HORN AT +96" AFF 3/4" CO TO PULLSTRING
- WEATHER PROOF GUTTER BOX (6"x6"x4") AT +18" AFF RECEIVE 3/4" CO FROM FA DEVICE, PULLSTRING
- ELECTRICAL PANEL AT +80" AFF TO CENTERLINE 1 1/4" POWER NIPPLE POC, GND JUMPER BY SITE ELECT
- CLOCK AT +90" AFF
- 4SD J BOX FOR HEAT DETECTOR (ATTIC) *
- 4SD J BOX FOR SMOKE DETECTOR (ATTIC) *



TYP GROUNDING DETAIL 1



GROUND JUMPER AT MOD LINE 2



DEVICE MOUNTING 3

NOTES

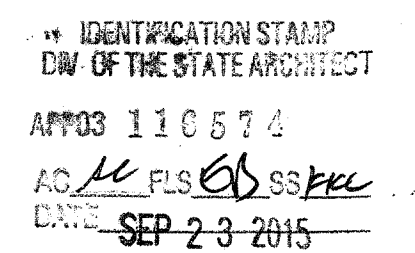
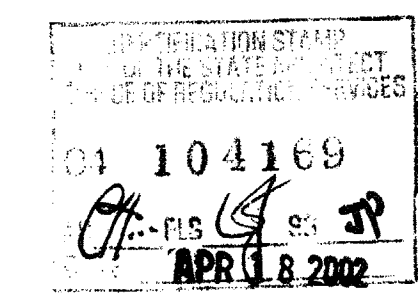
- SCHOOL EQUIPMENT ANCHORAGE
THE FOLLOWING IS FOR THE ARCHITECTS INFORMATION ONLY:
THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO CCR TITLE 24, SECTION 1632A AND TABLE 16A-0. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 LBS & HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS MAY BE OMITTED FROM THE PLANS.

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

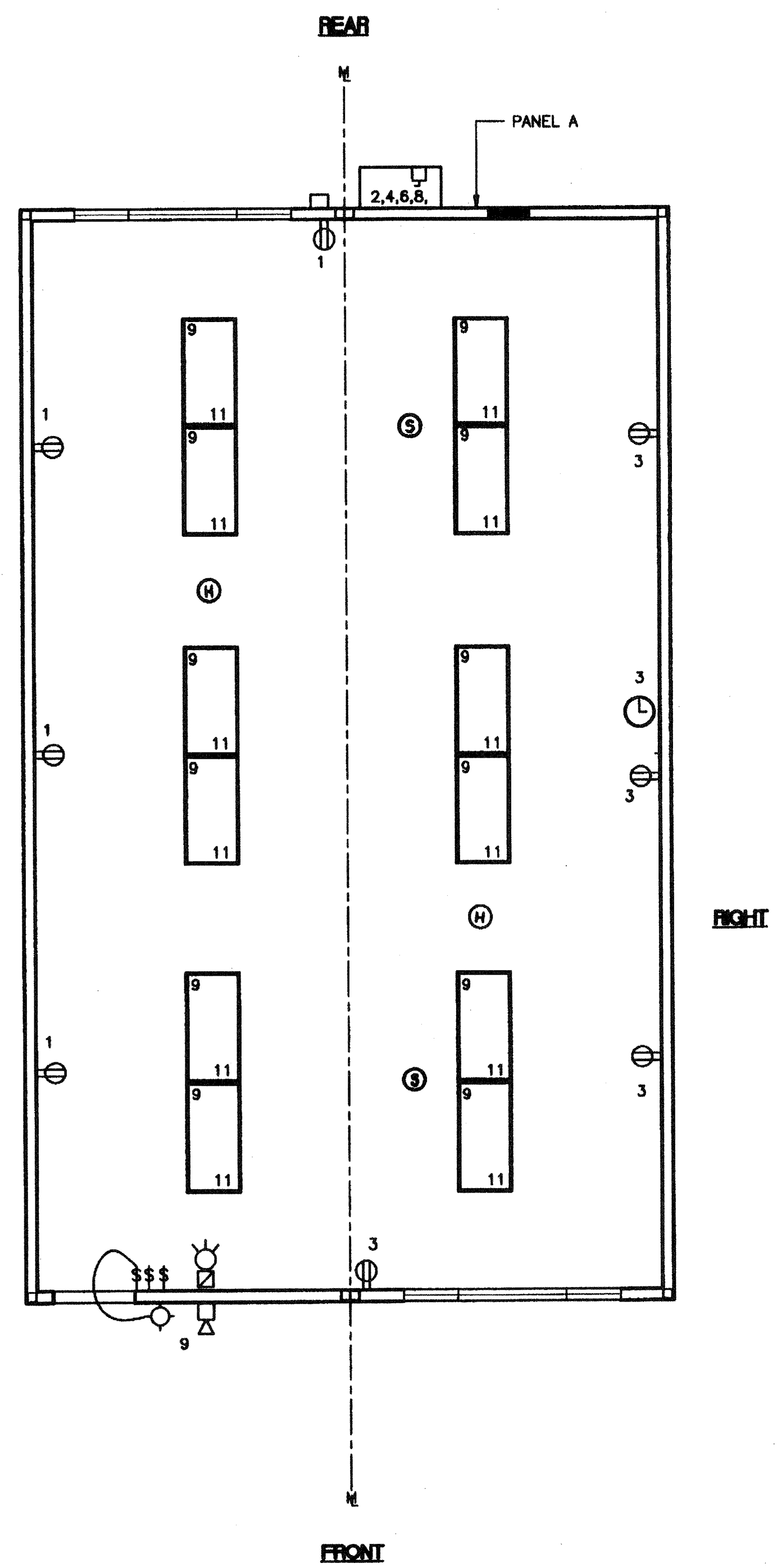
EQUIPMENT ON GRADE	20% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE	30% OF OPERATING WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 TIMES THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 TIMES THE HORIZONTAL FORCE.
THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE, Z = 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.

* 2. SMOKE AND HEAT DETECTORS SHOWN ARE FOR OPTIONAL AUTOMATIC DETECTION. IF ELECTED AS AN OPTION MODTECH WILL PROVIDE 4SD BOXES AND 3/4" CO MOUNTED ON UNDERSIDE OF ROOF PURLINS. DEVICES PROVIDED AND INSTALLED BY OTHERS



CBC 1998



ELECTRICAL PLAN A (24'x40') SCALE: 1/4" = 1'-0"

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architect's Seal	Identification Stamp	MODTECH INC.	PROJECT NUMBER	DRAWN BY

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architect's Seal

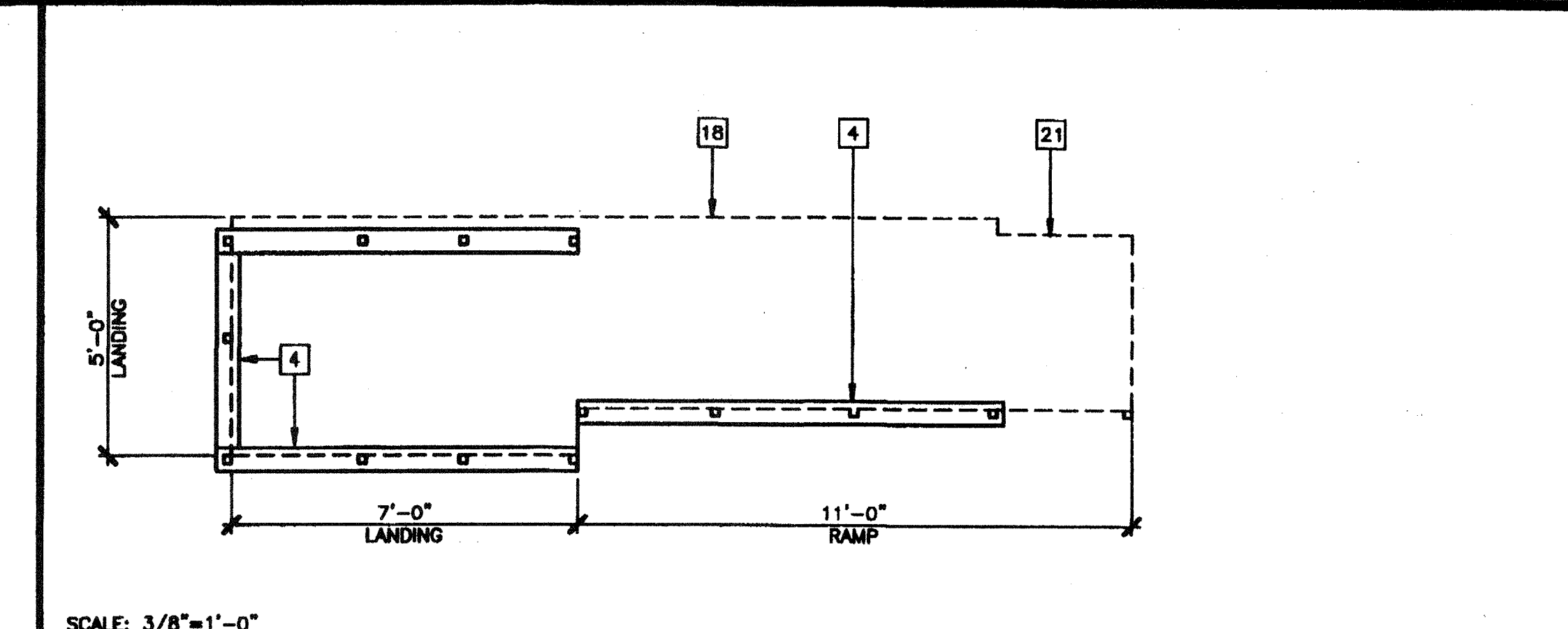
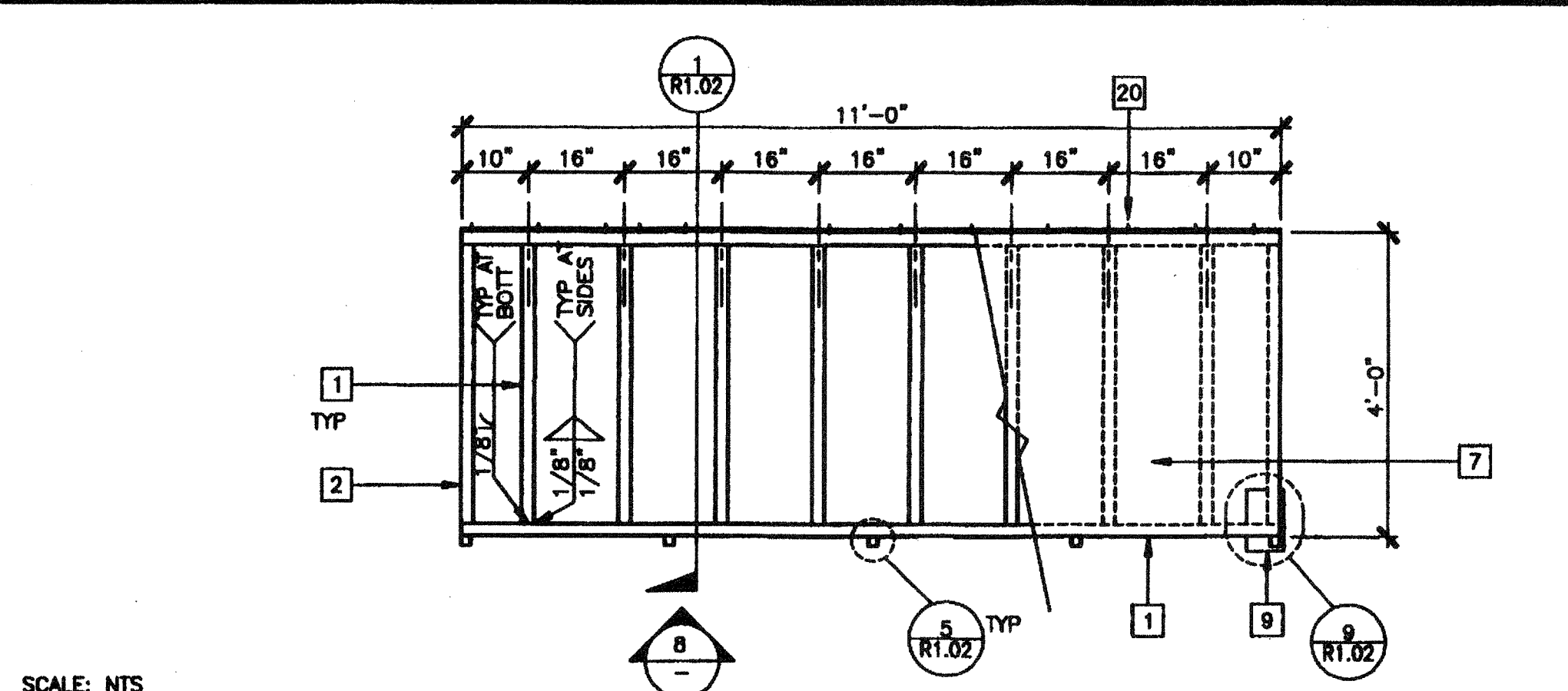
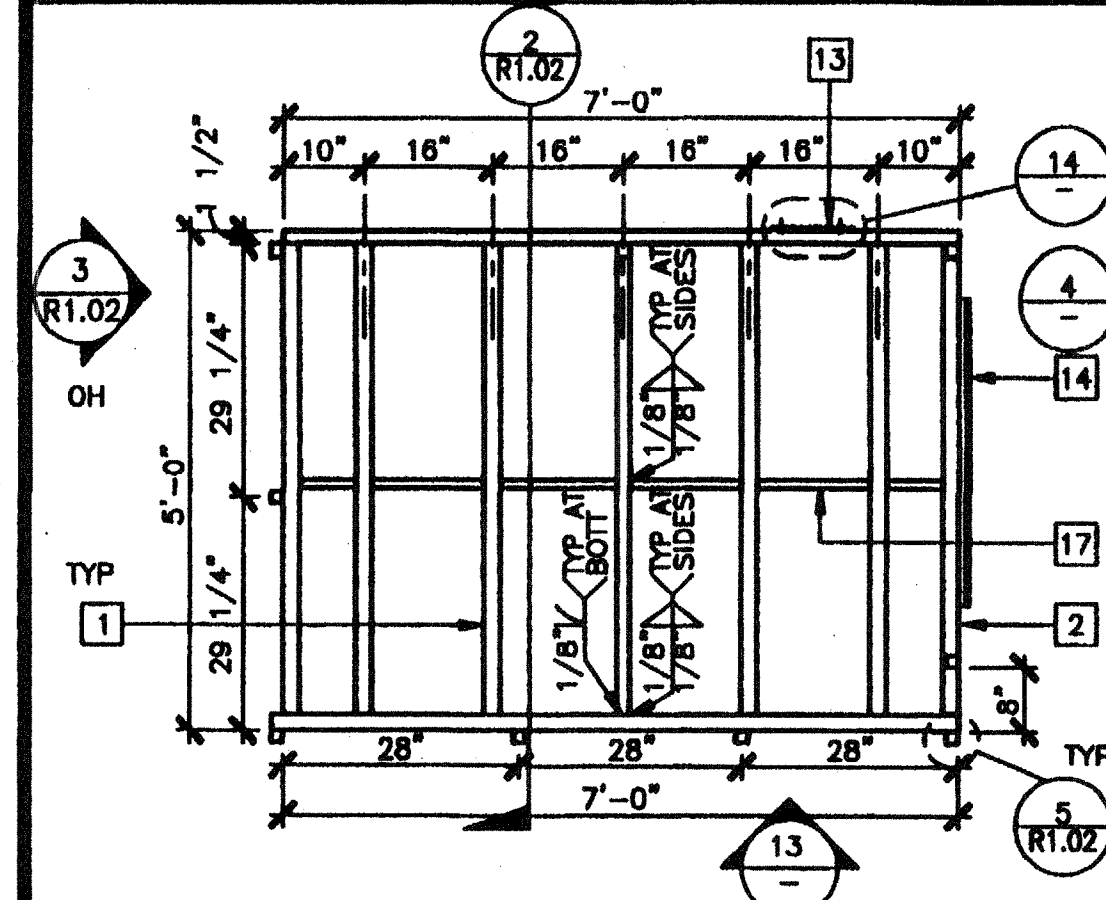
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
101268
AC 21
DATE SEP 17 2008

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4134, 4153, 4173, 4203 © MODTECH, INC. 2001
4207, 4215, 4250
4284, 4302, 4350
4304, 4347, 4373, 4422
4506
ELECTRICAL PLAN 24'x40' STANDARD

DRAWN BY: M. ANDERSEN
DATE: APR 15 2002
CHECKED BY: 4012-121
DATE: 04-16-02
MODTECH Index No.
E1.01A

PROJECT NO 4134-101268



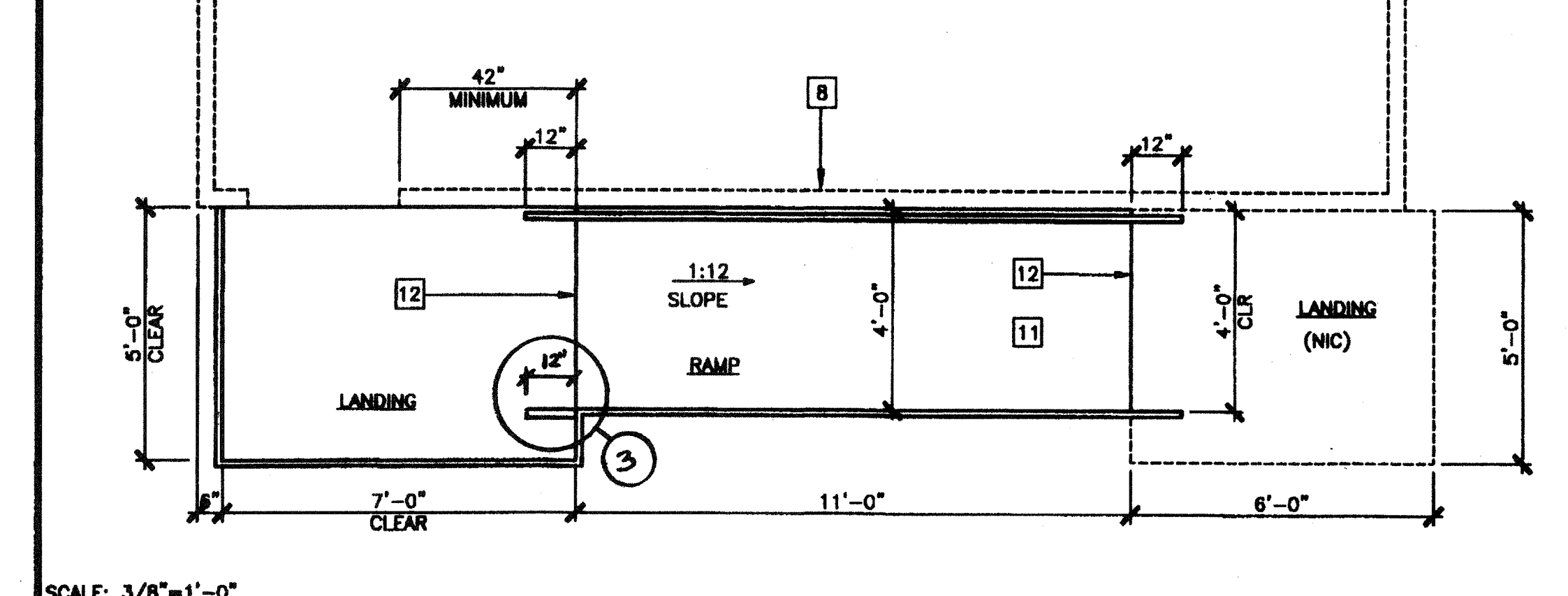
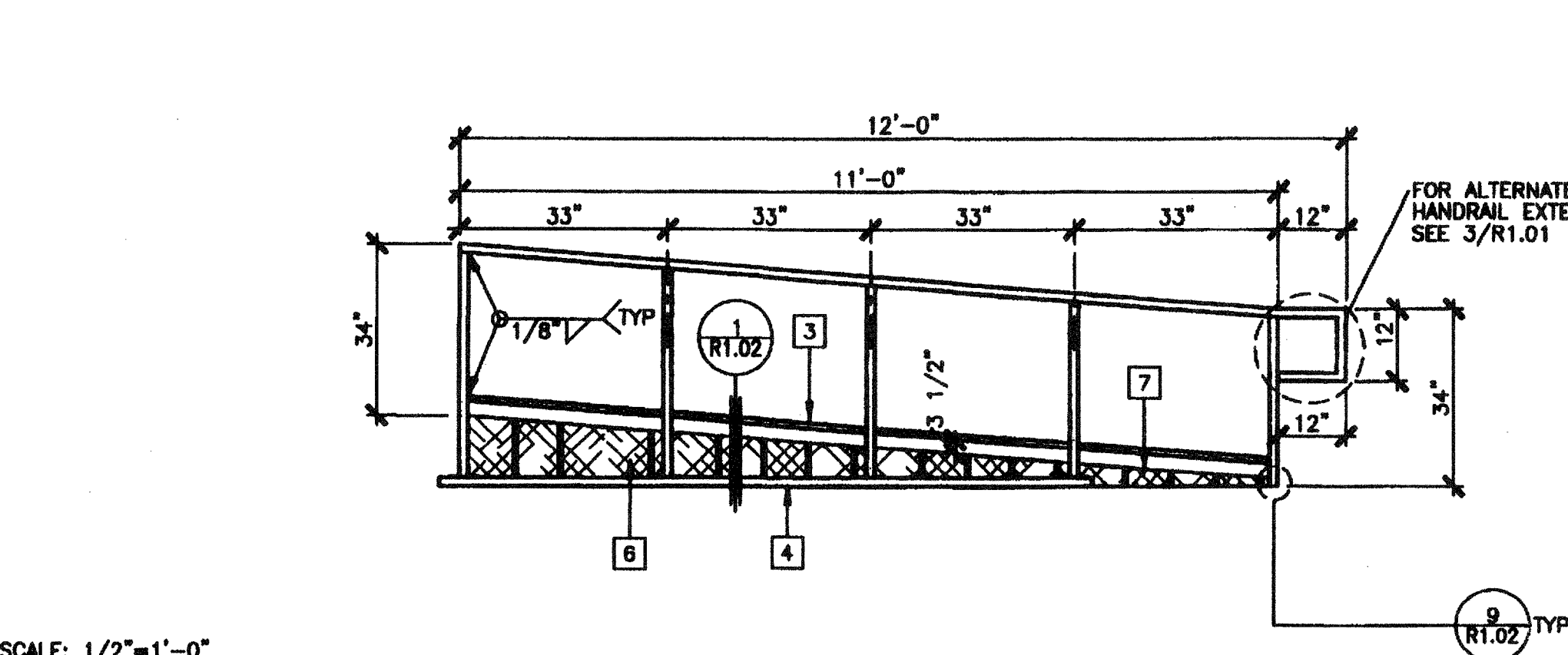
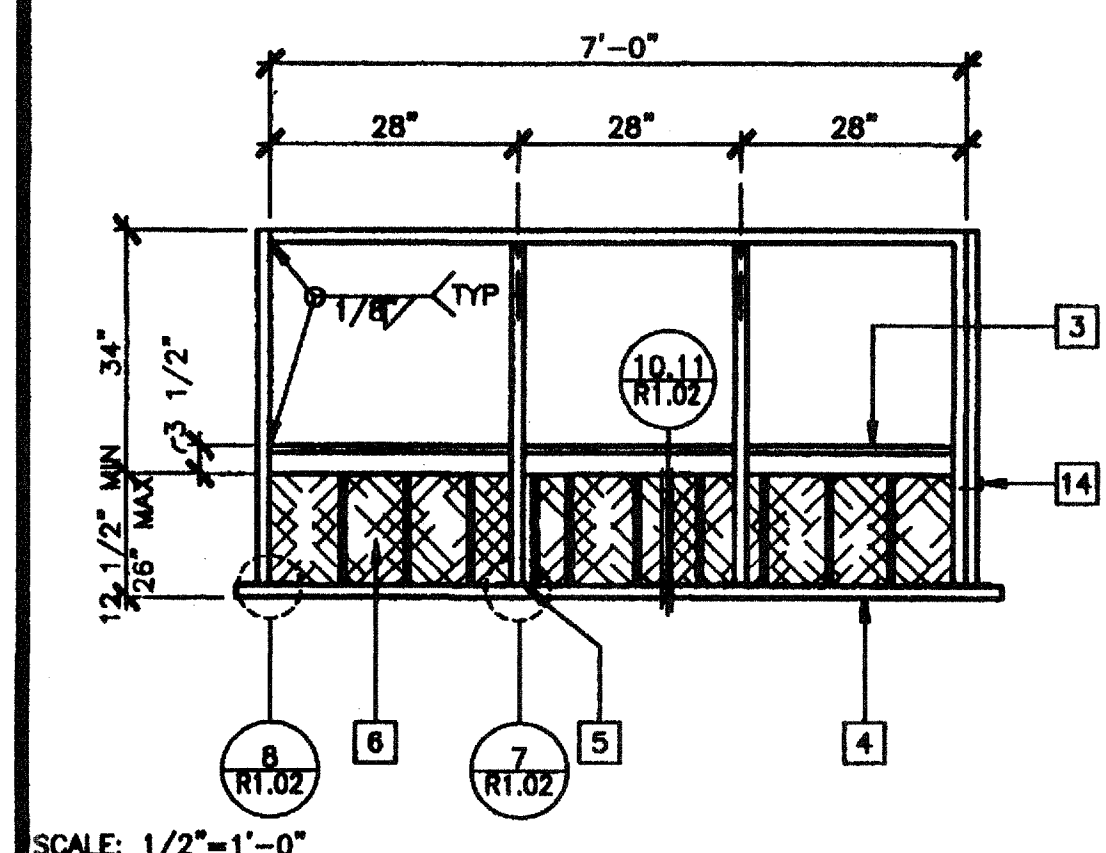
KEY NOTES

- 1 TS 2"x2"x14 GA
- 2 TS 1 1/2"x1 1/2"x14 GA (Fy = 39KSI). ROUNDED OR BEVELED AT CORNERS
- 3 TS 1"x1"x16 GA WHEELCHAIR GUIDE
- 4 2"x8" PRESSURE TREATED SILL PLATE
- 5 2"x4"x12 GA BASE PLATE WITH (2) 1/4"x1" LAGS
- 6 SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH WITH 8d AT 6" OC EDGES AND 12" OC FIELD. AT EDGE CONNECTION TO TUBE STEEL USE #14x2" TEK SCREWS AT 6" OC
- 7 12 GA METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 0.8. MAINTAINABLE FOR 1 YEAR
- 8 EXISTING BUILDING
- 9 6"x10"x12 GA BASE PLATE AT RAMP TOE
- 10 LOWER LANDING BY DISTRICT
- 11 RAMP BY MODTECH
- 12 FLUSH TRANSITION
- 13 6"x12"x10 GA PLATE WITH (2) 1/4"x3" LAGS TO STRUCTURAL FRAME OF BUILDING
- 14 3"x1"x3'-0"x10 GA BENT PLATE
- 15 2"x4"x 1/8" PLATE
- 16 TS 1 1/2"x1 1/2"x14 GA HANDRAIL - CONTINUOUS AND UNINTERRUPTED ROUNDED OR BEVELED AT CORNERS
- 17 TS 1"x1"x16 GA
- 18 LINE OF RAMP/LANDING ABOVE
- 19 RAMP EXTENSION FRAME
- 20 6"x10 GA CONTINUOUS PLATE WITH 1/4"x2" TEK SCREWS AT 9" OC INTO WOOD OR FOUNDATION BLOCKS OR #14x2" TEK SCREWS INTO STEEL AT 9" OC
- 21 NOTCH BOTTOM PLATE (MUD SILL) AS REQUIRED TO CLEAR RAMP TOE. MAX NOTCH 1 1/2"x4'-0" LONG.
- 22 NOTCH BOTTOM PLATE (MUD SILL) AS REQUIRED TO CLEAR RAMP TOE. MAX NOTCH 1 1/2"x4'-0" LONG.

LANDING FRAME 12

RAMP FRAME 7

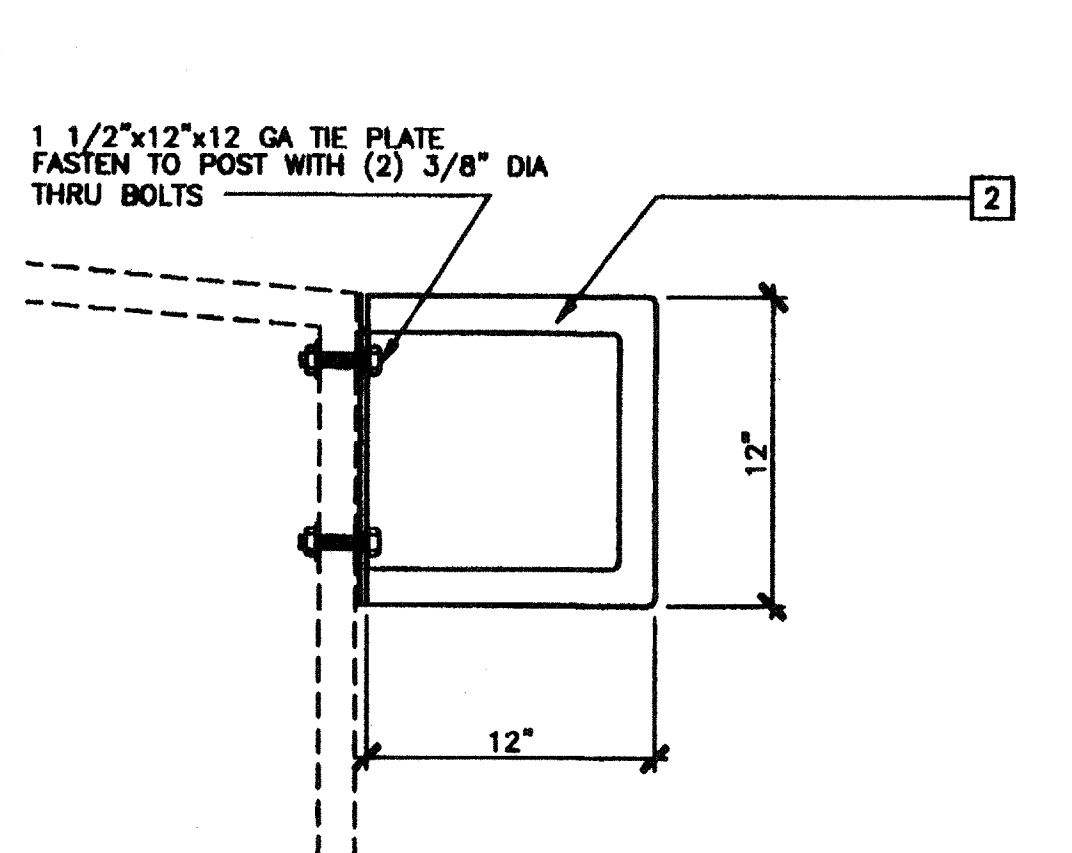
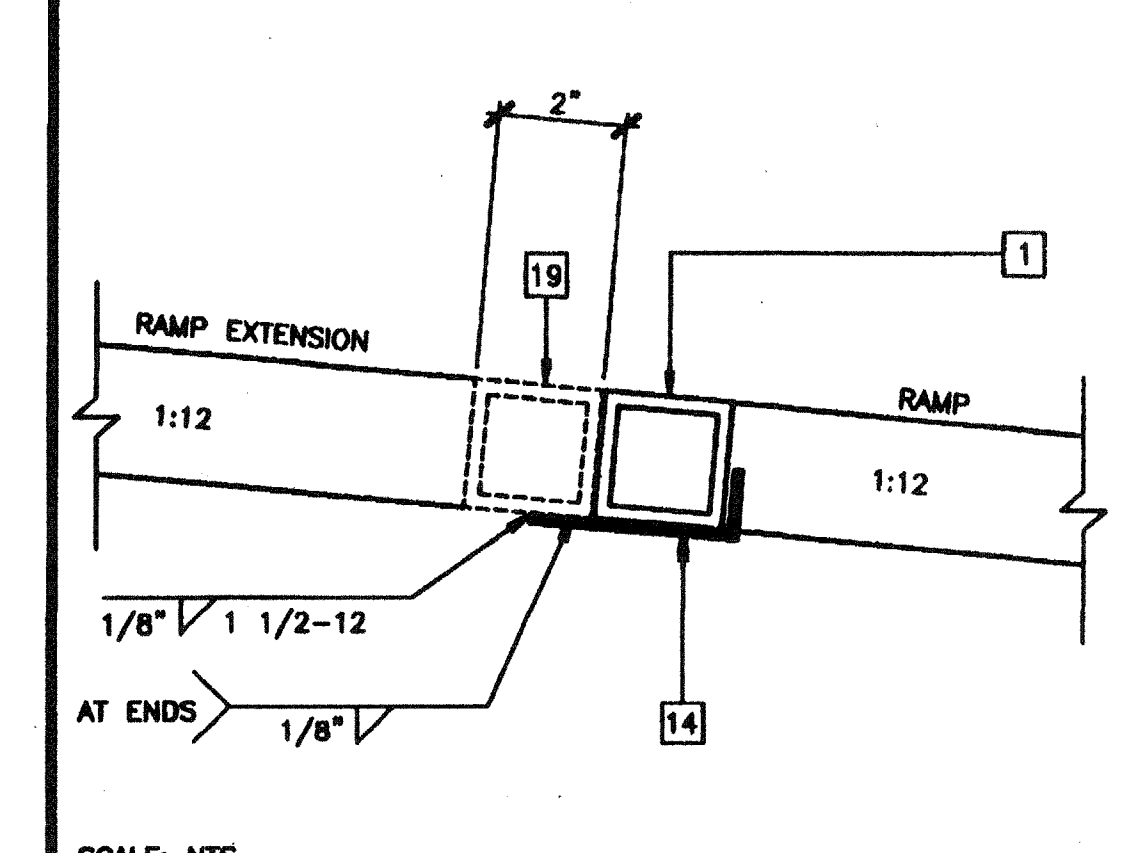
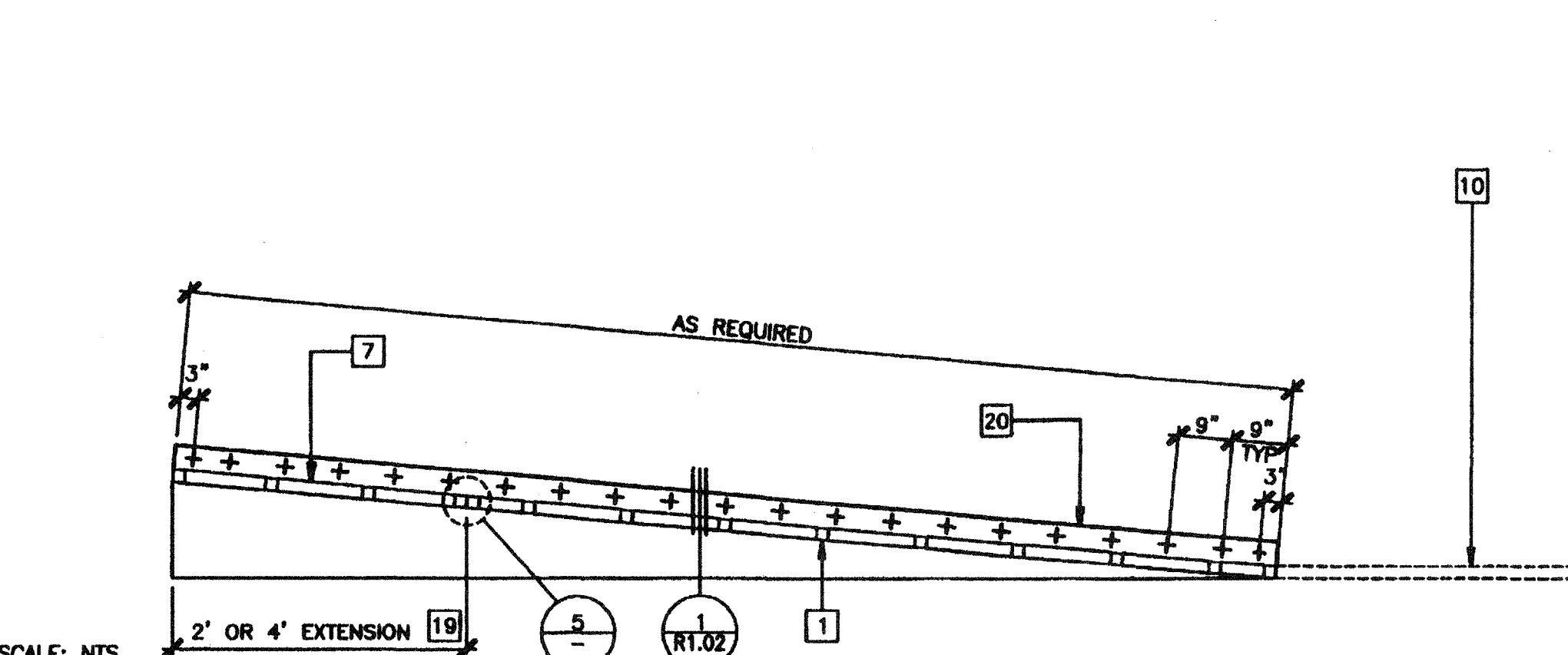
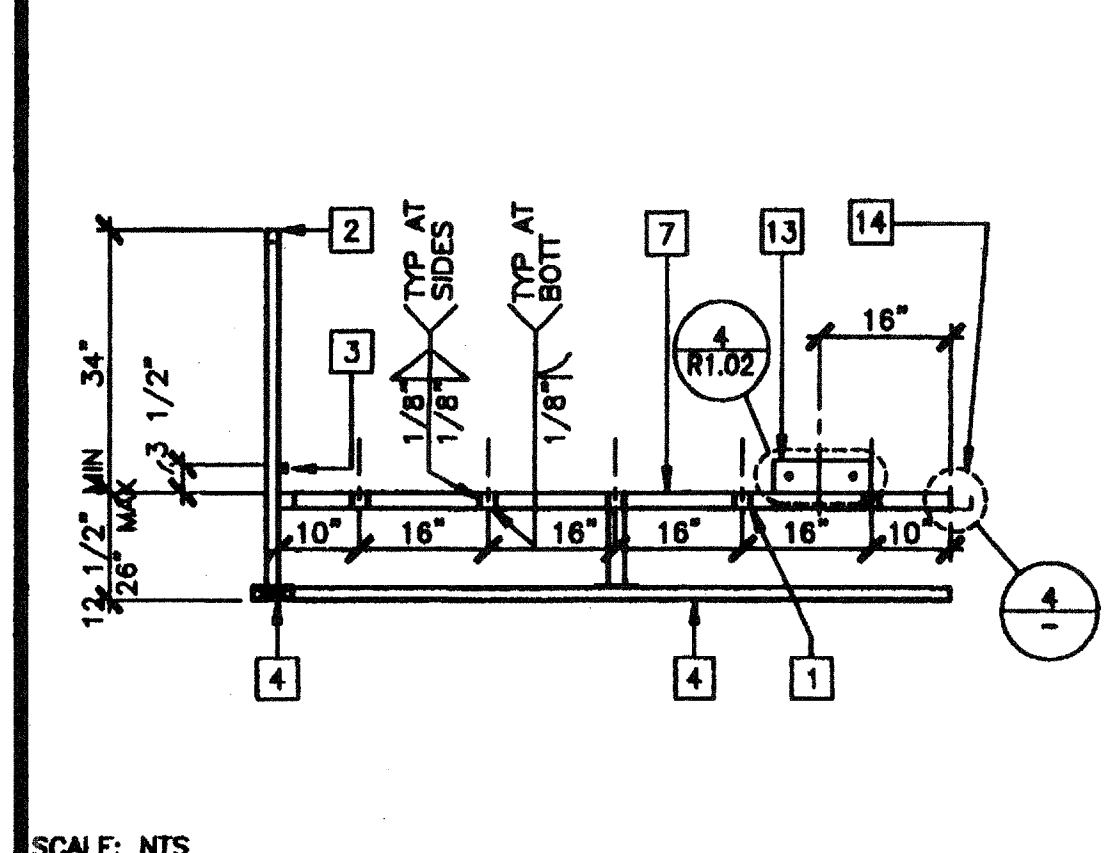
SILL PLAN FOR RAMP AND LANDING 1



LANDING ELEVATION 13

RAMP ELEVATION 8

RAMP AND LANDING AT BUILDING 2

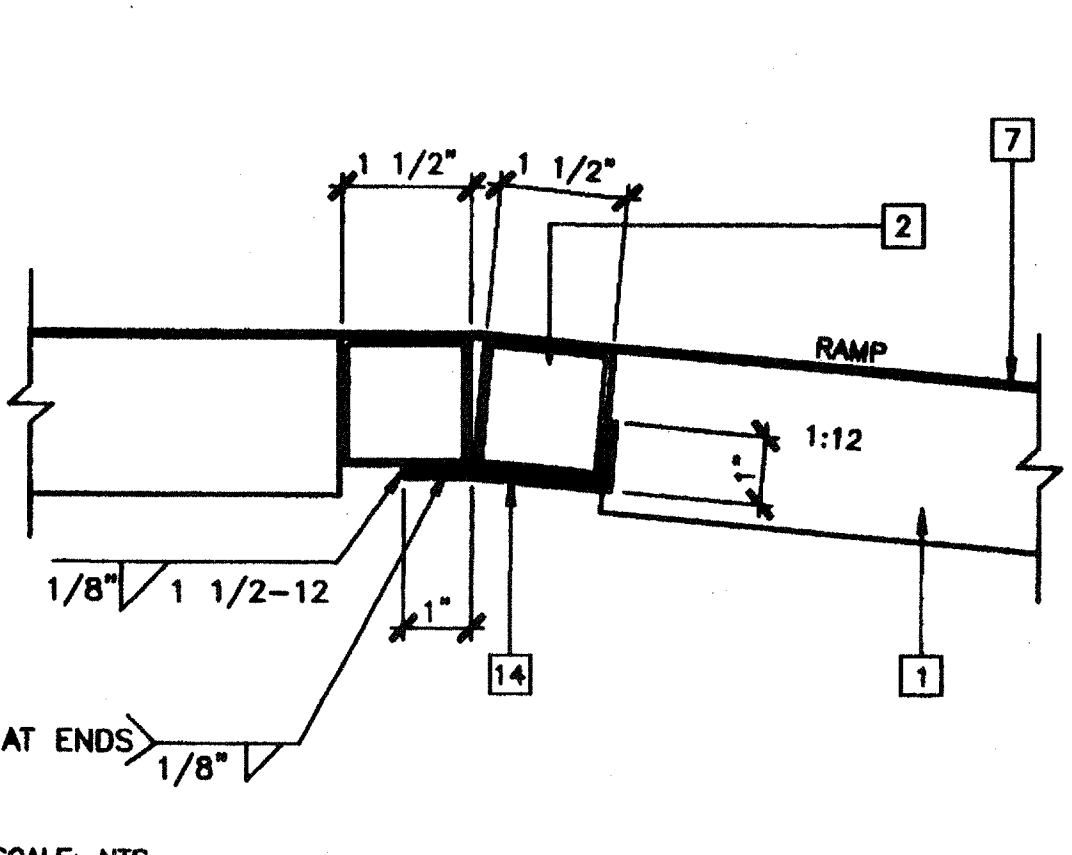
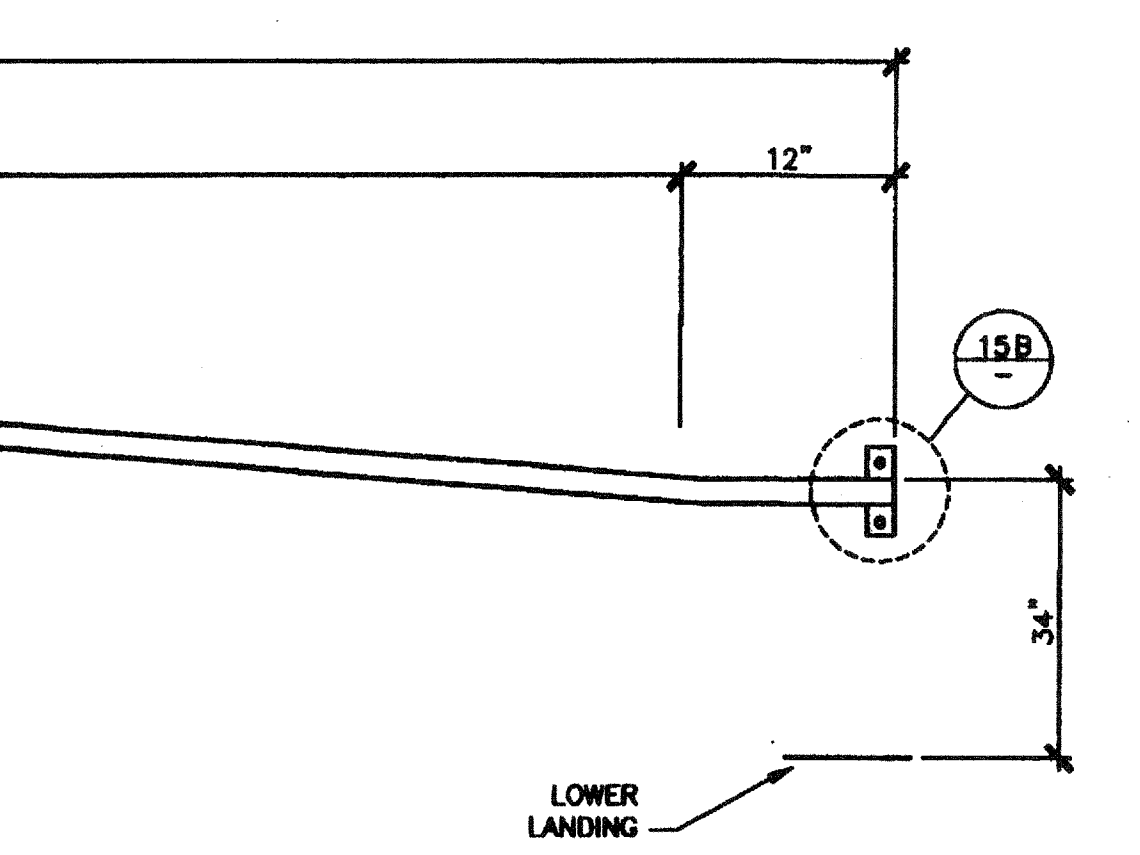
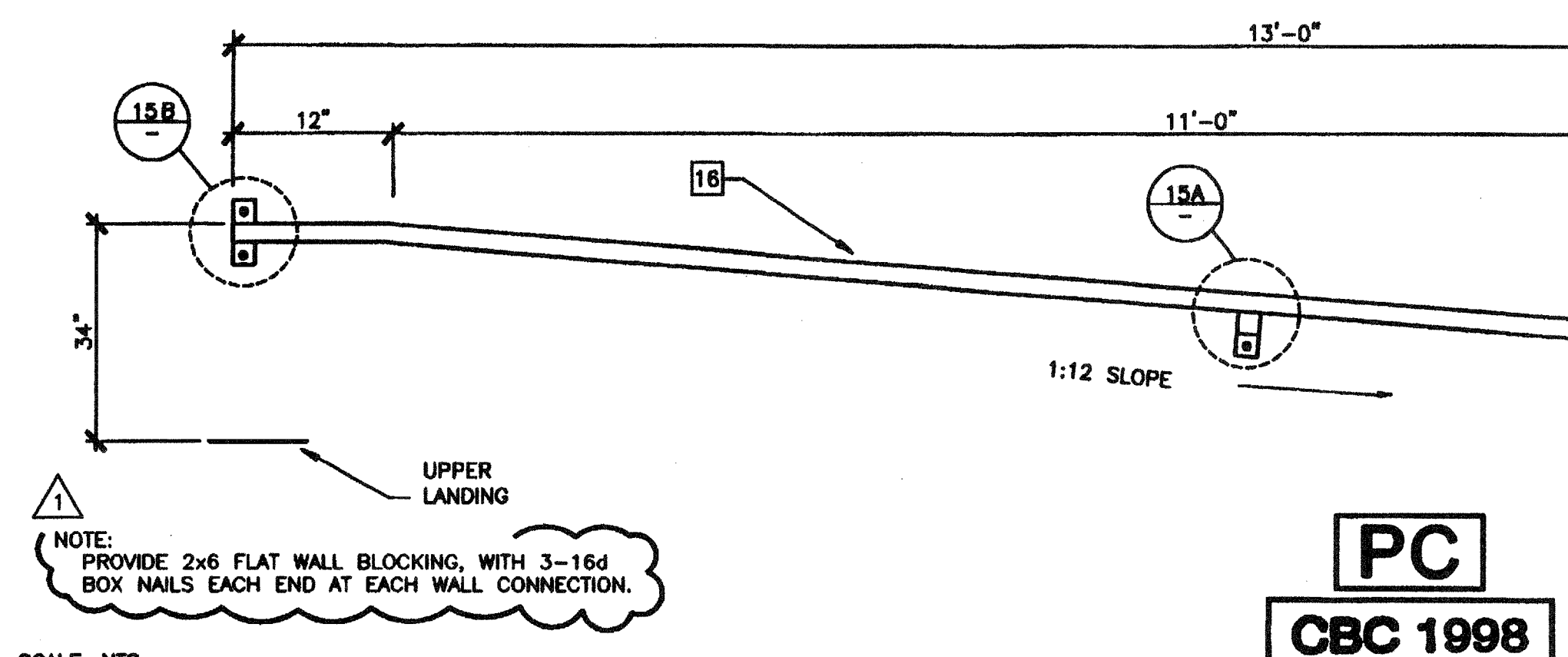
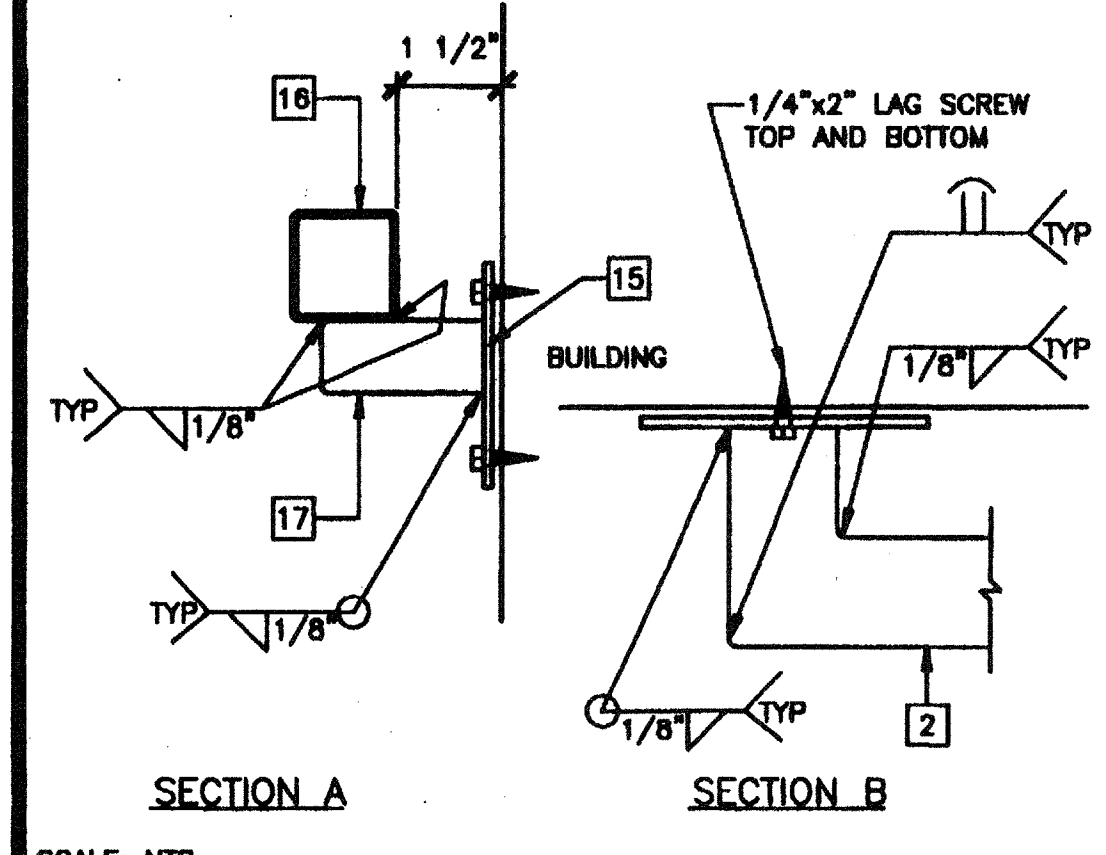


SECTION AT LANDING 14

LONGITUDINAL SECTION AT RAMP 9

RAMP EXTENSION TO RAMP 5

ALTERNATE GUARD RAIL EXTENSION 3



HANDRAIL CONNECTION 15

HANDRAIL ATTACHED TO BUILDING (OPTIONAL) 6

RAMP AT LANDING 4

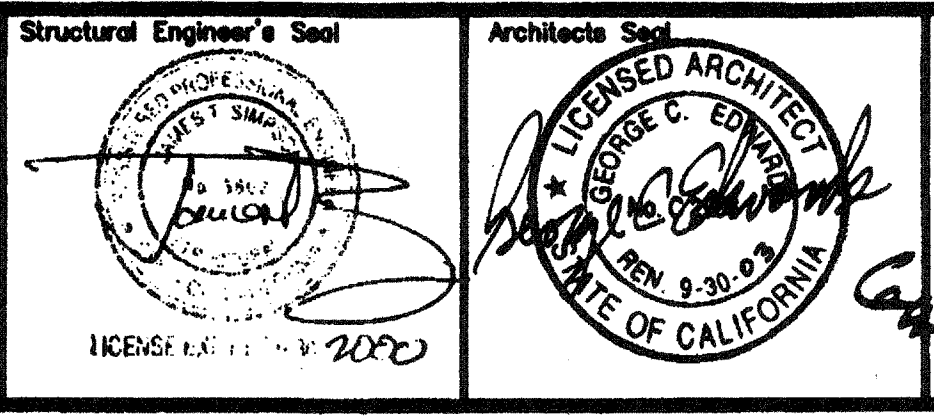
NOTES

1. RAMP: RAMP SHALL NOT SLOPE MORE THAN 1" IN 12"
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP AT 34" HEIGHT.
3. SURFACE: LANDING & RAMP TO HAVE NON-SLIP SURFACE AMCOR GRIP II AS MANUFACTURED BY AMERICAN CHEMICAL COMPANY (OR EQUAL)
4. GROUNDING: PROVIDE GROUNDING OF RAMP TO BUILDING FRAME WITH #8 COPPER TO BOTH GROUND LUGS.
5. 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 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 THIS SHEET
6. ALL 1 1/4" AND 1 1/2" TUBE STEEL TO BE OF ASTM A500 GRADE A STEEL (Fy = 39 KSI)

REVISIONS

NO.	SP	MODTECH ENGINEERING CHANGE	DATE
1			
2			
3			
4			
5			

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-04
101268
REVISED OCT 0

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4134, 4153, 4173, 4203 © MODTECH, INC. 2001
4207, 4215, 4250
4284, 4302, 4350
4304, 4347, 4373, 4422
4506

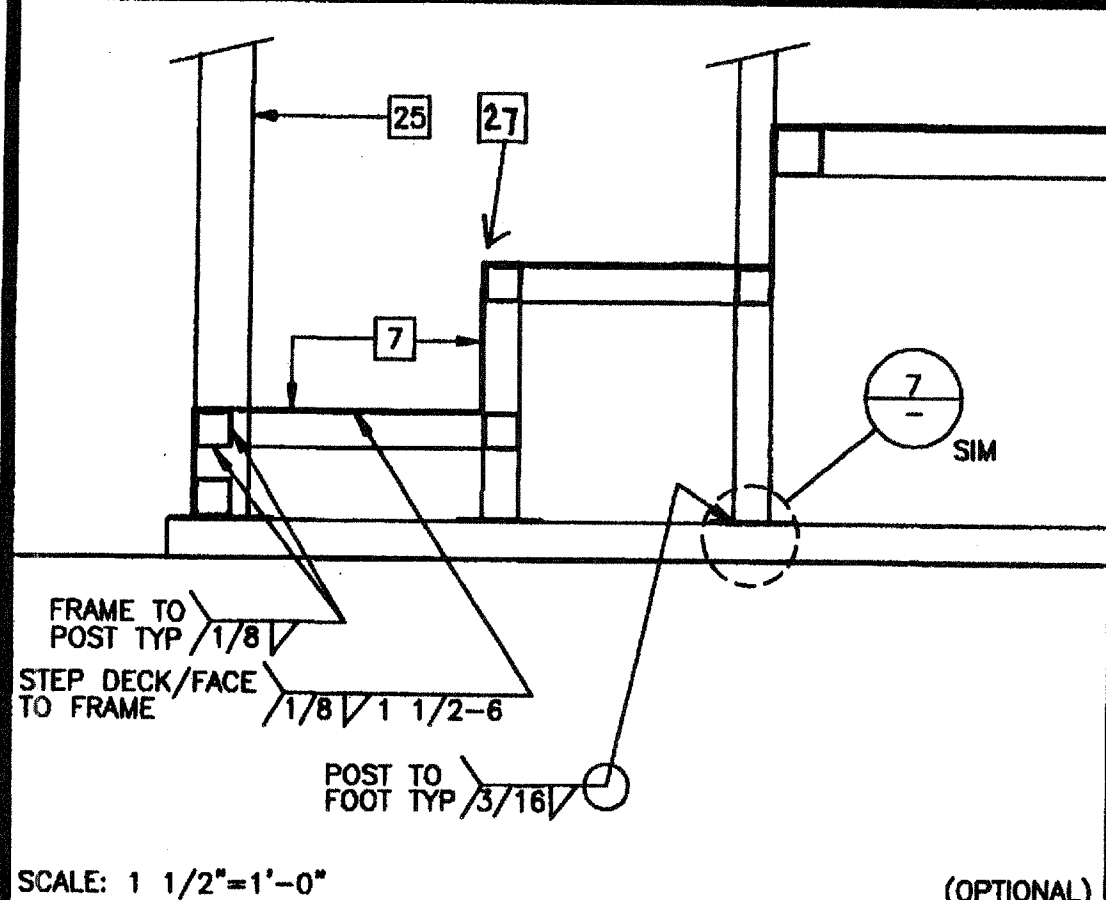
RAMP/LANDING

STRP-62

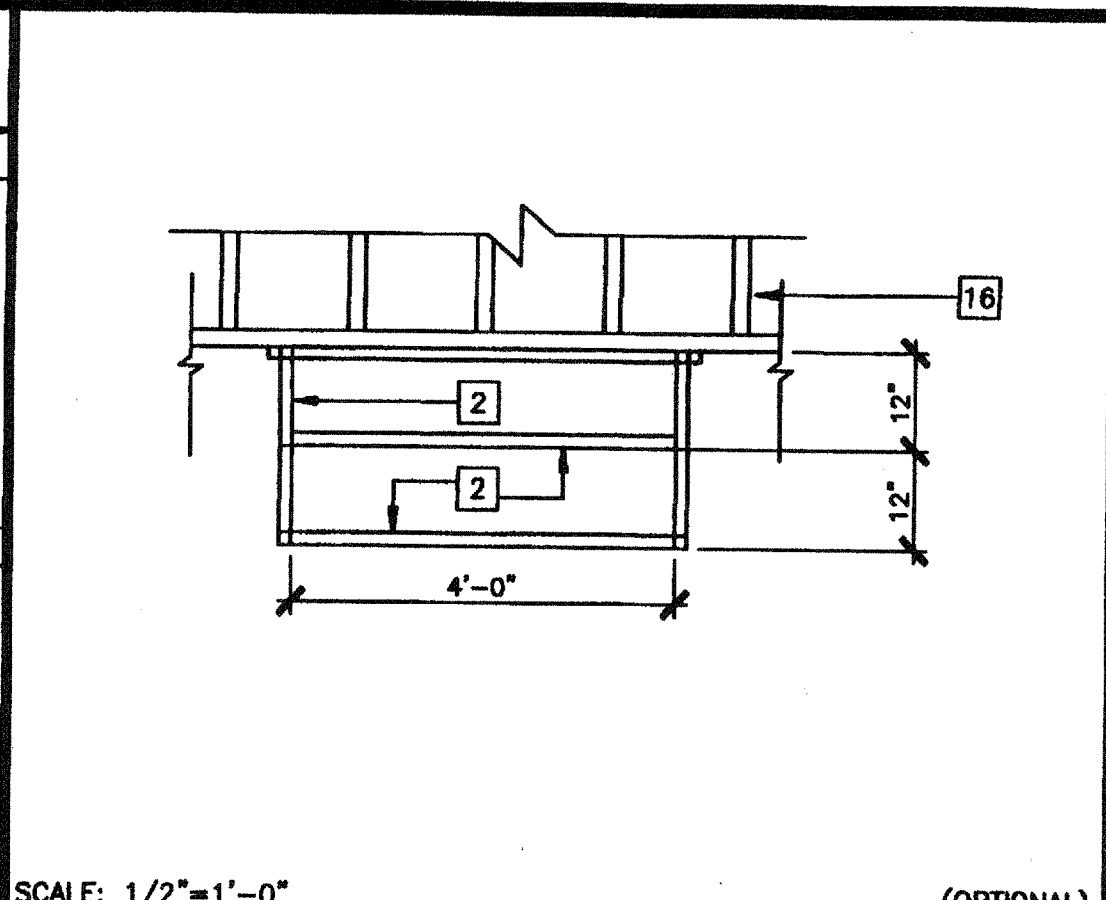
DRAWN BY: M. ANDERSEN
DATE: APR 15 2002
CHECKED BY: 4012-121
DATE: 04-16-02

R1.01

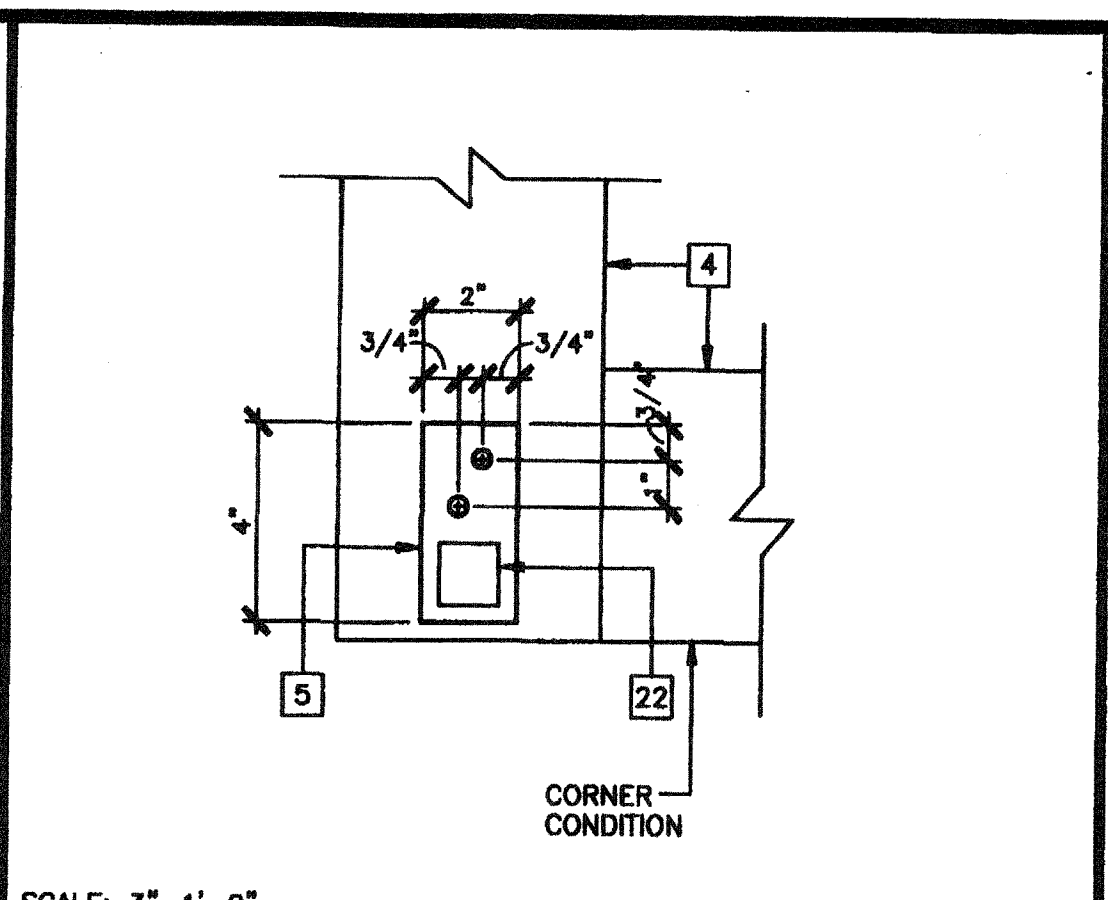
FILE PATH: 2440-4134.DWG PROJECT NO. 4134-4207 PC-04-101268



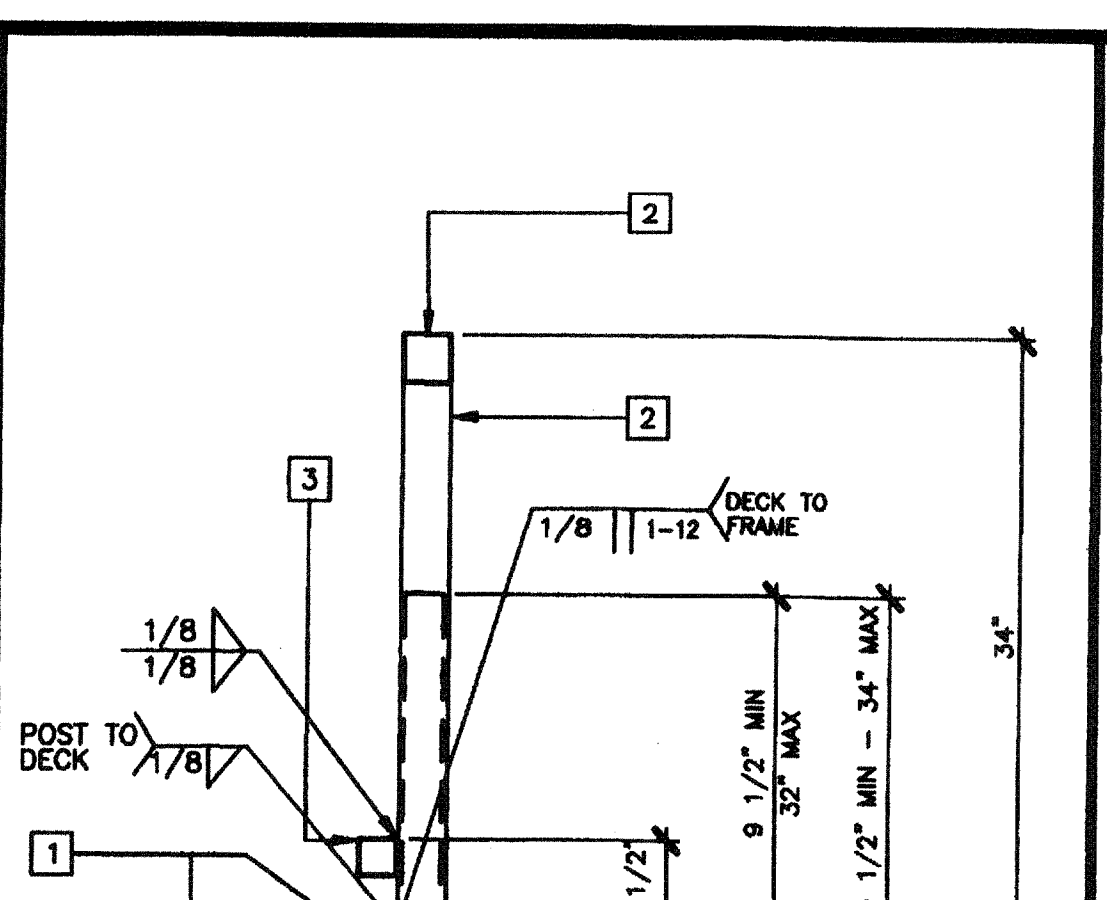
STAIR SECTION 16
SCALE: 1 1/2"=1'-0" (OPTIONAL)



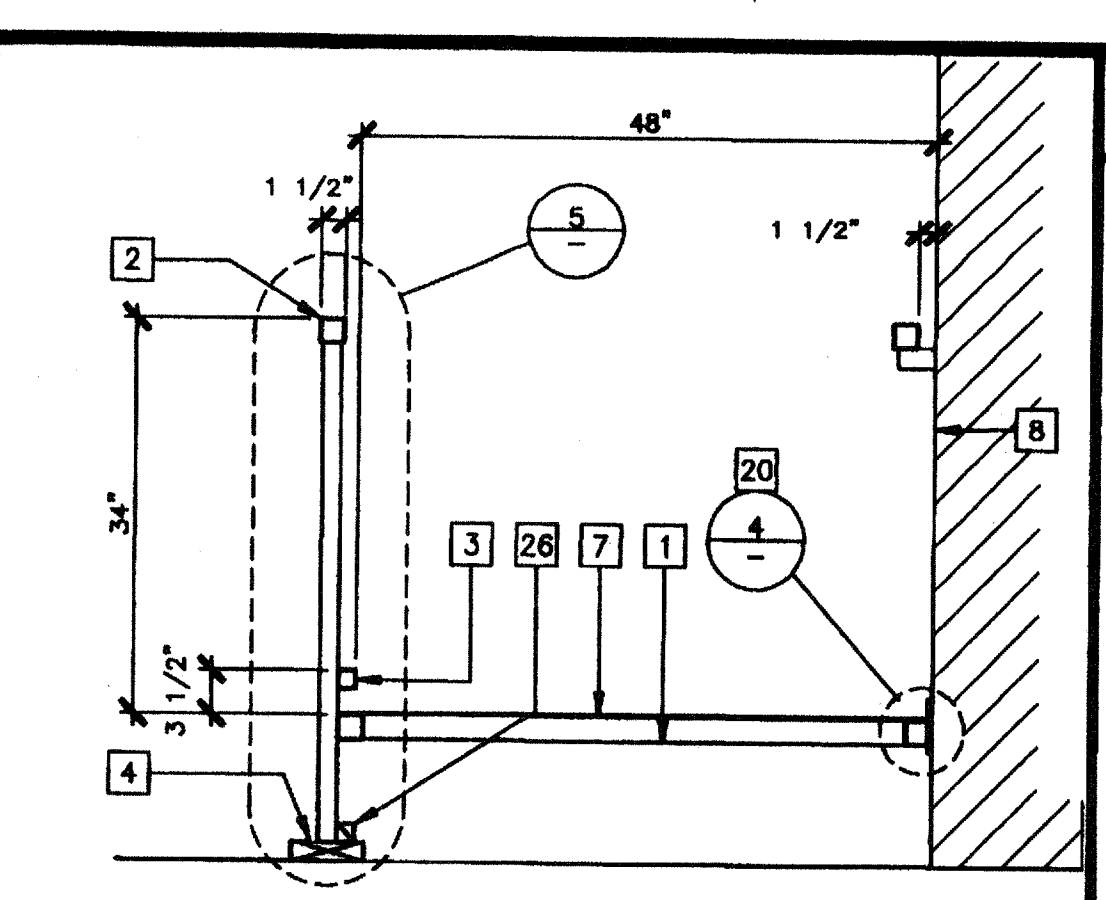
STAIR FRAMING PLAN 12
SCALE: 1/2"=1'-0" (OPTIONAL)



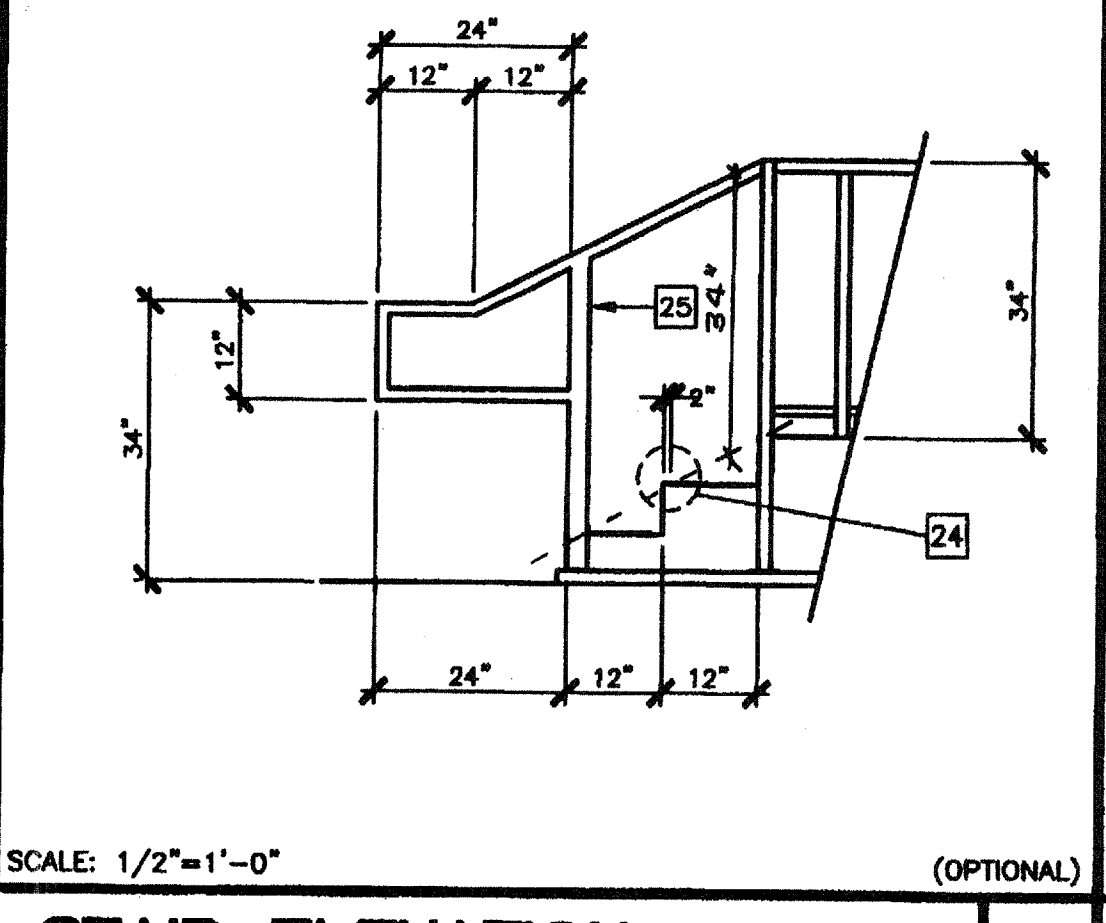
ADJUSTABLE LEG BASE PLATE 8
SCALE: 3"=1'-0"



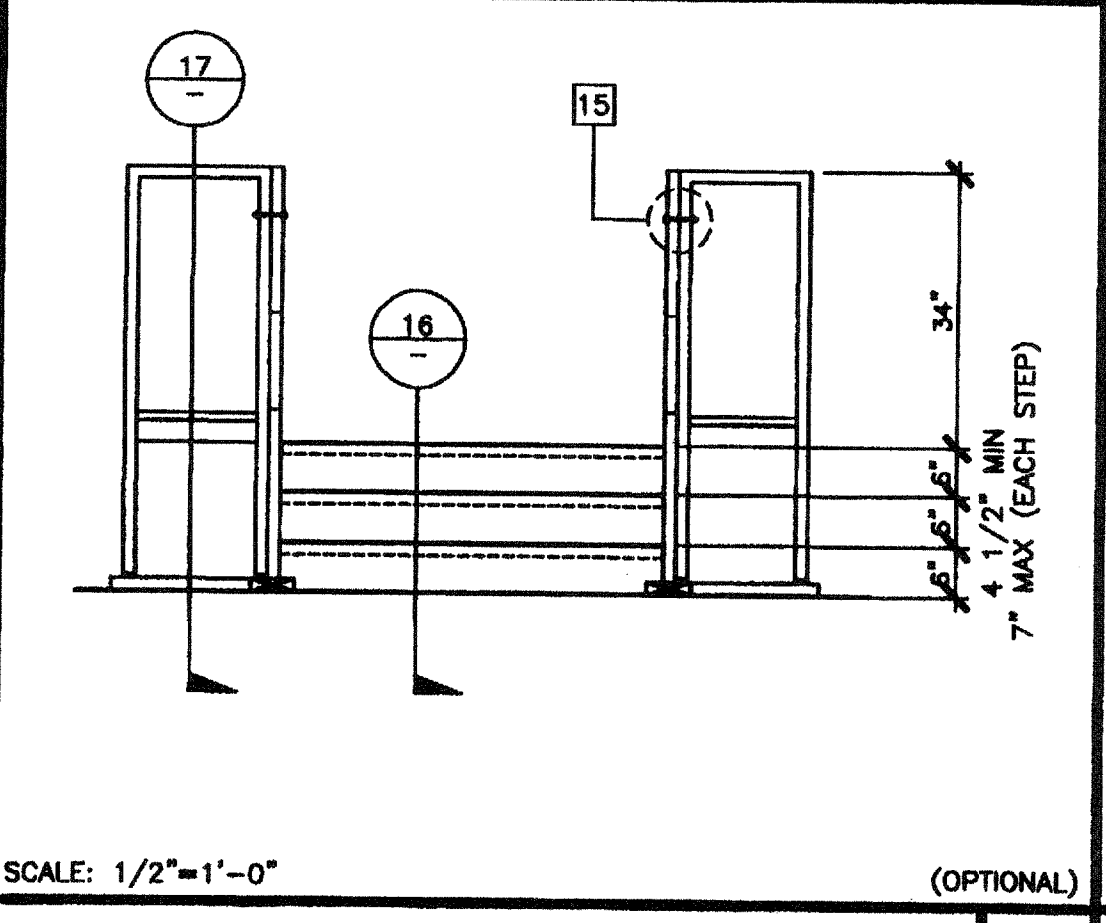
ADJUSTABLE LEG 5
SCALE: 3"=1'-0"



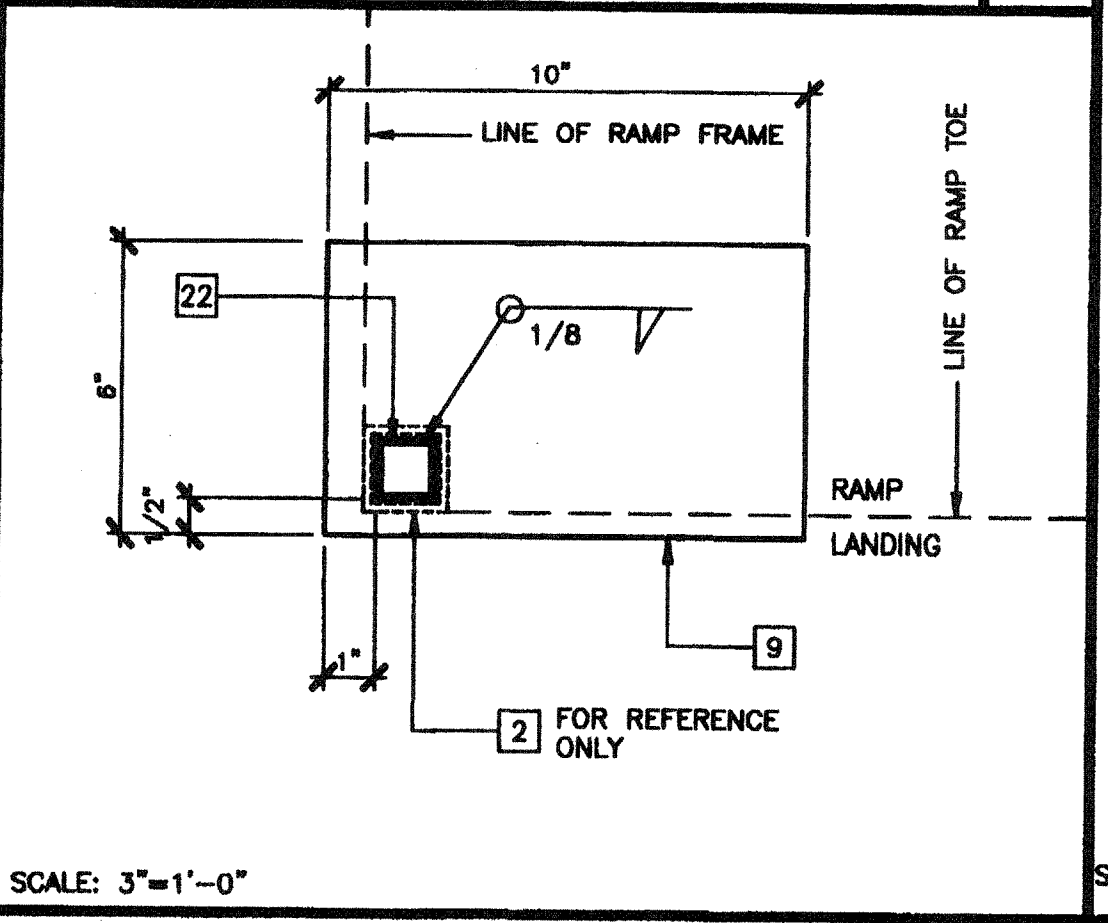
SECTION AT RAMP 1
SCALE: 3/4"=1'-0"



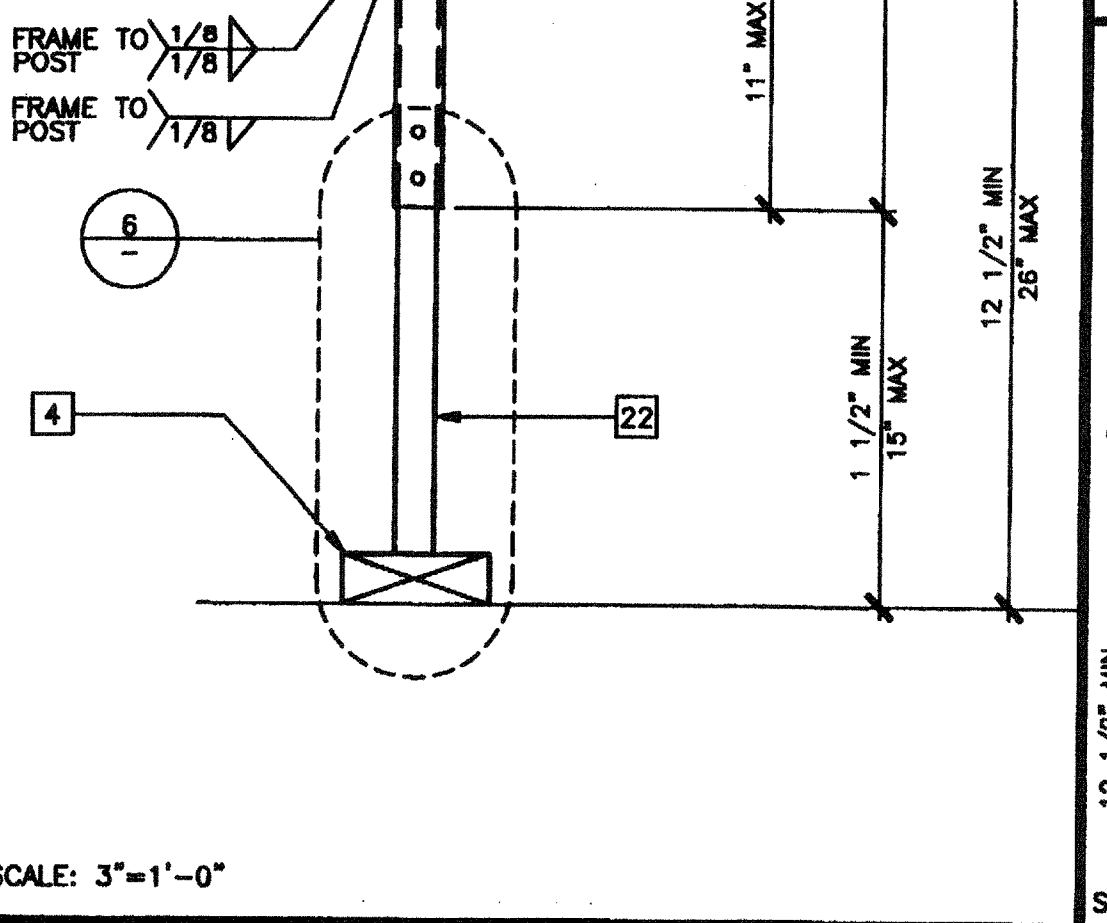
STAIR ELEVATION 17
SCALE: 1/2"=1'-0" (OPTIONAL)



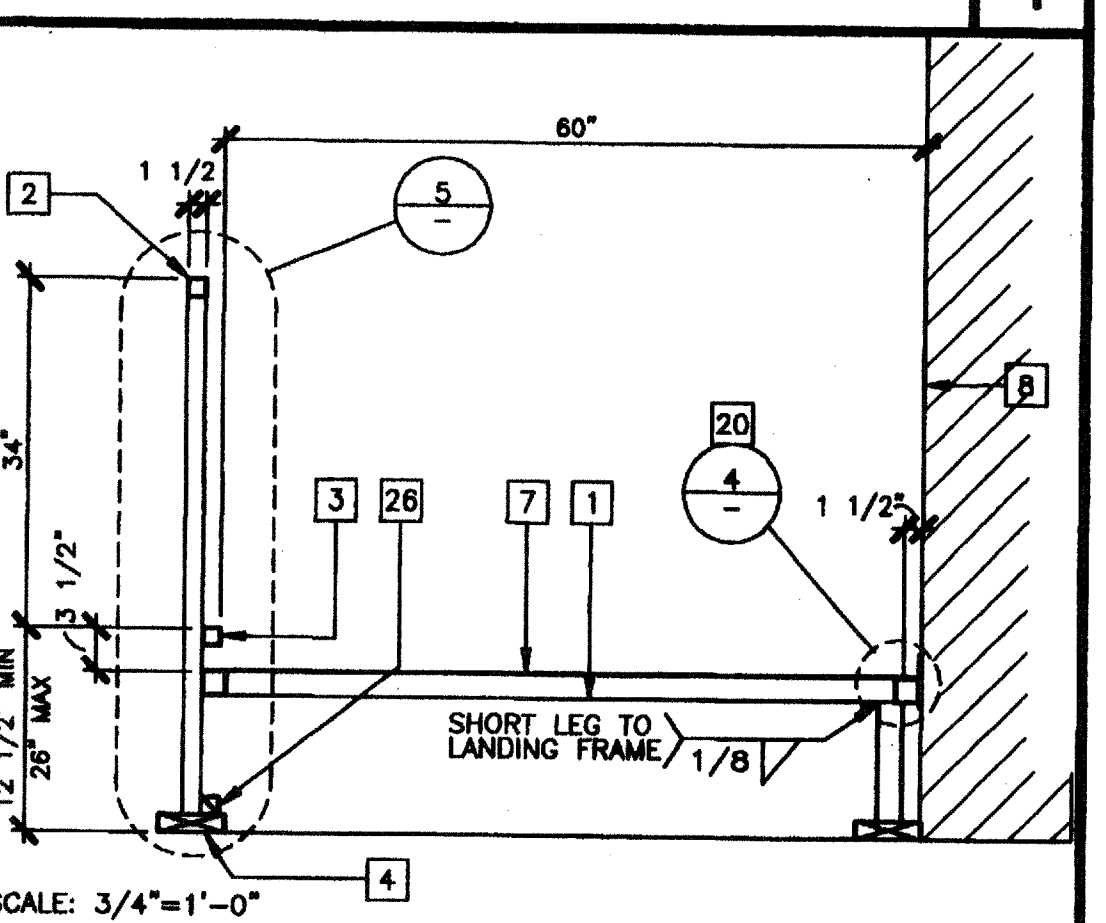
STAIR ELEVATION 13
SCALE: 1/2"=1'-0" (OPTIONAL)



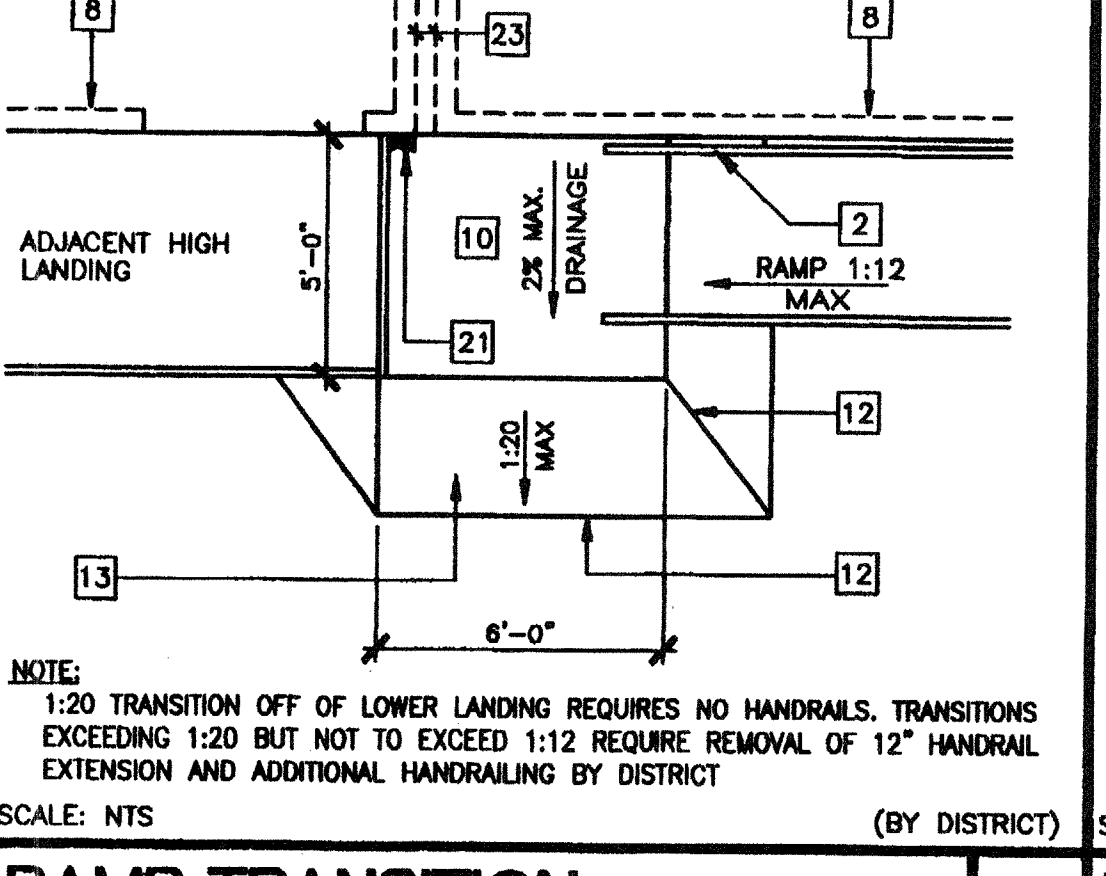
BASE PLATE AT RAMP TOE 9
SCALE: 3"=1'-0"



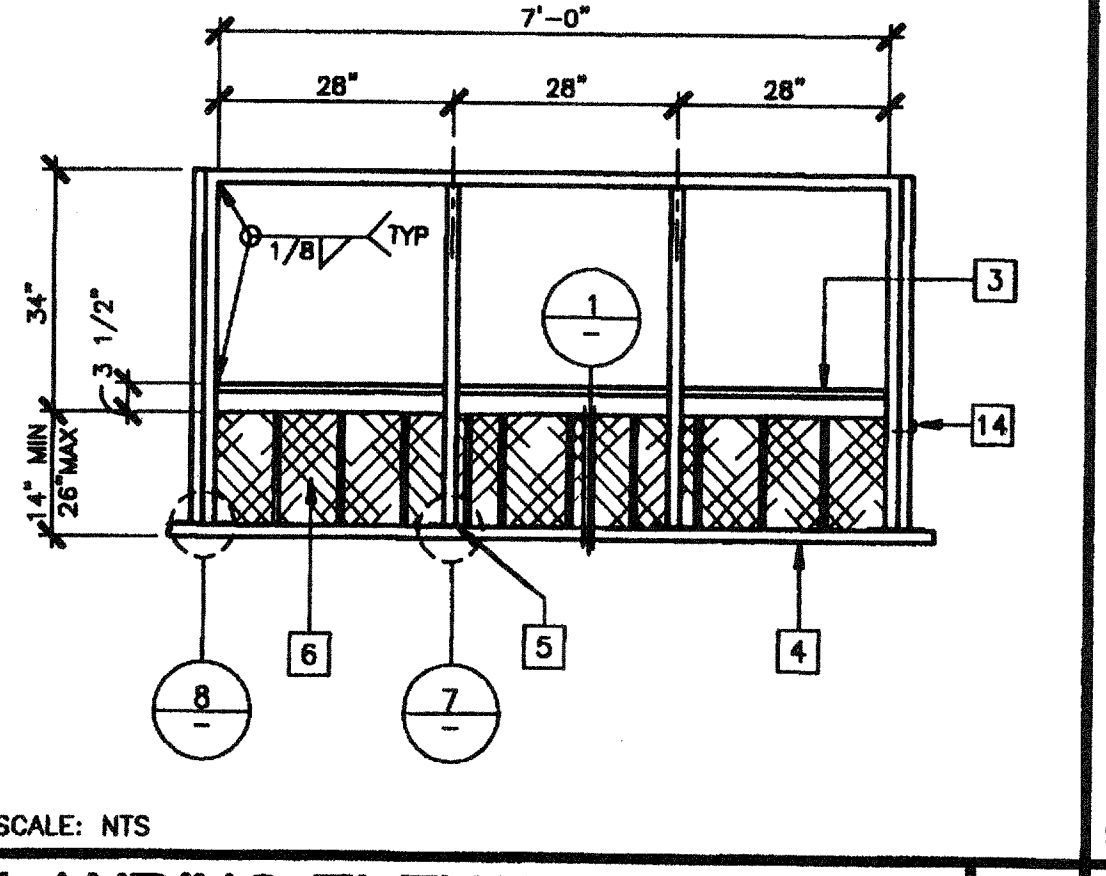
ADJUSTABLE LEG 5
SCALE: 3"=1'-0"



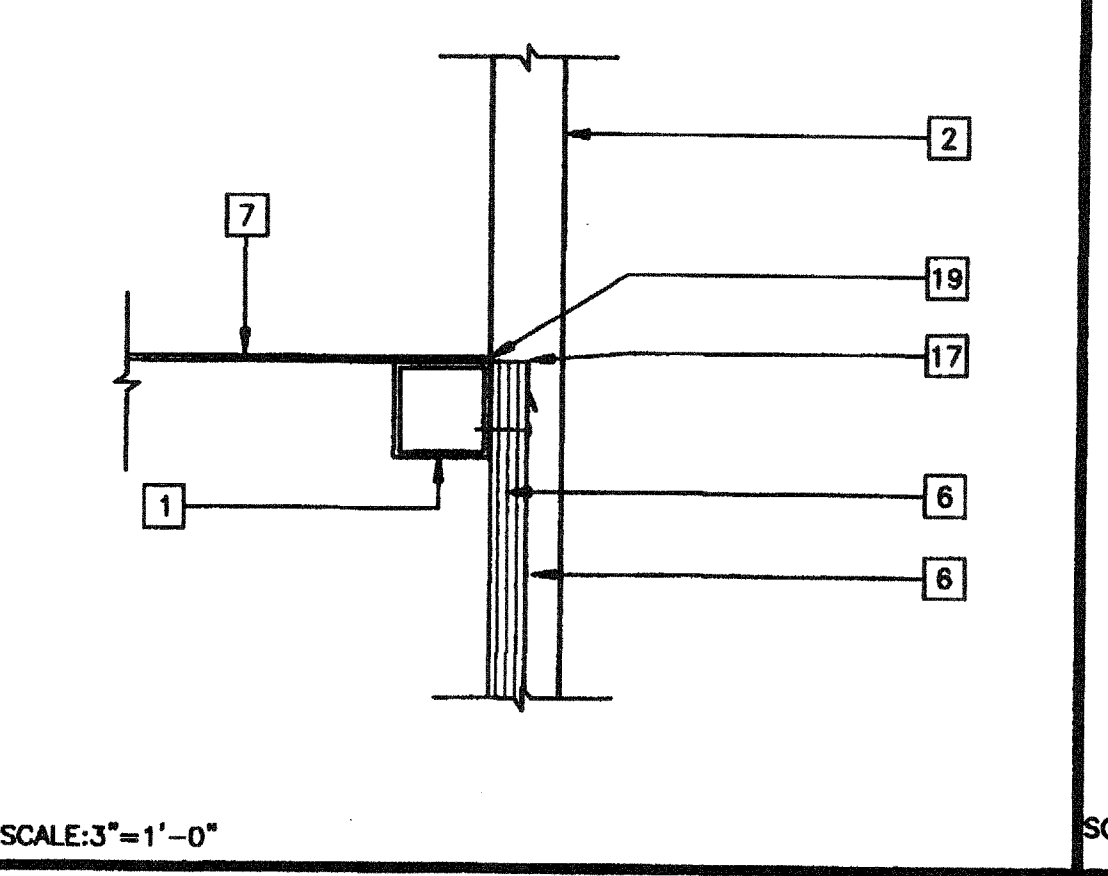
SECTION AT LANDING 2
SCALE: 3/4"=1'-0"



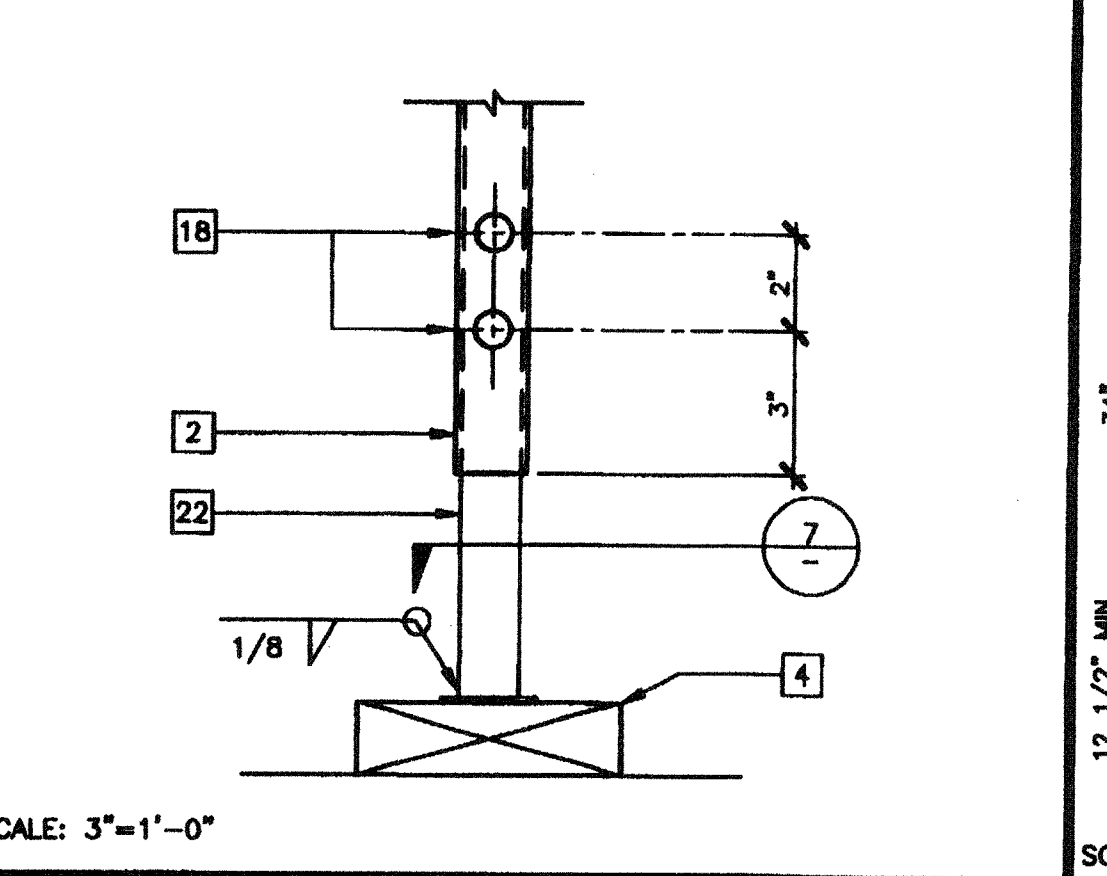
RAMP TRANSITION 18
SCALE: NTS (BY DISTRICT)



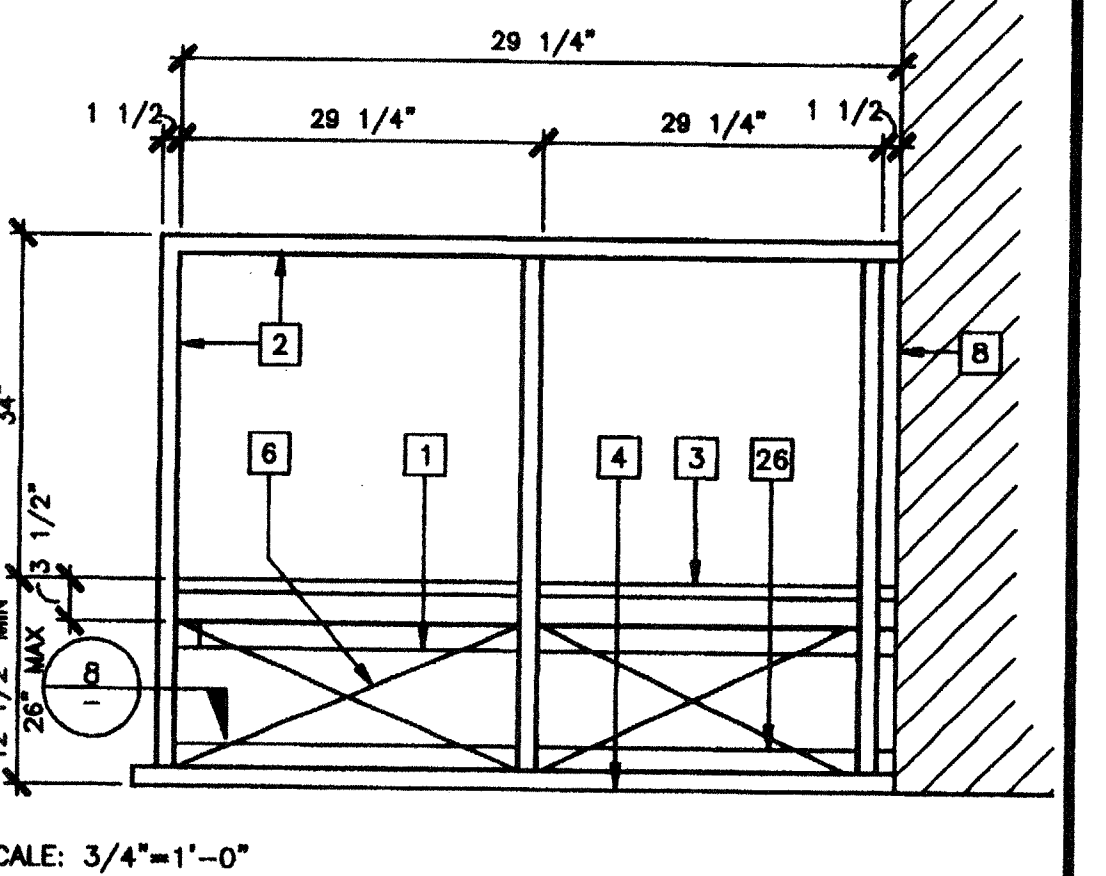
LANDING ELEVATION 14
SCALE: NTS



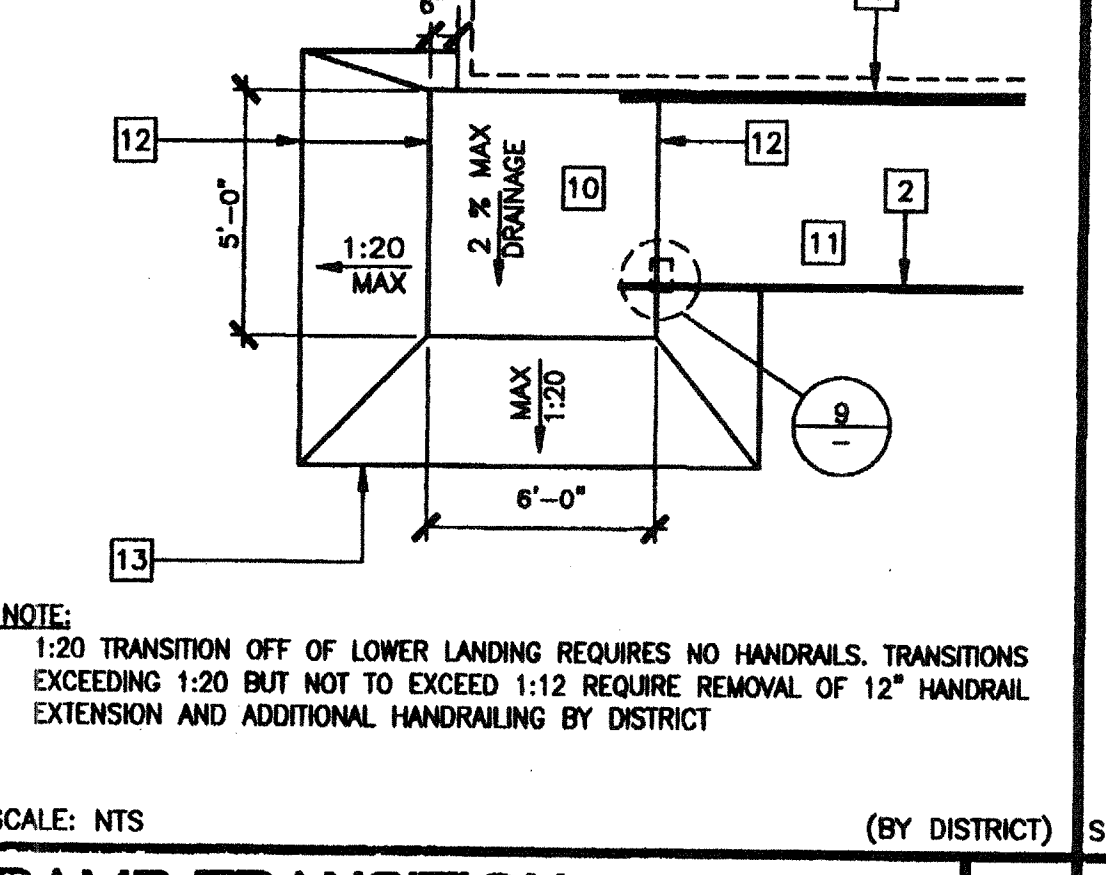
SKIRT FLASHING 10
SCALE: 3"=1'-0"



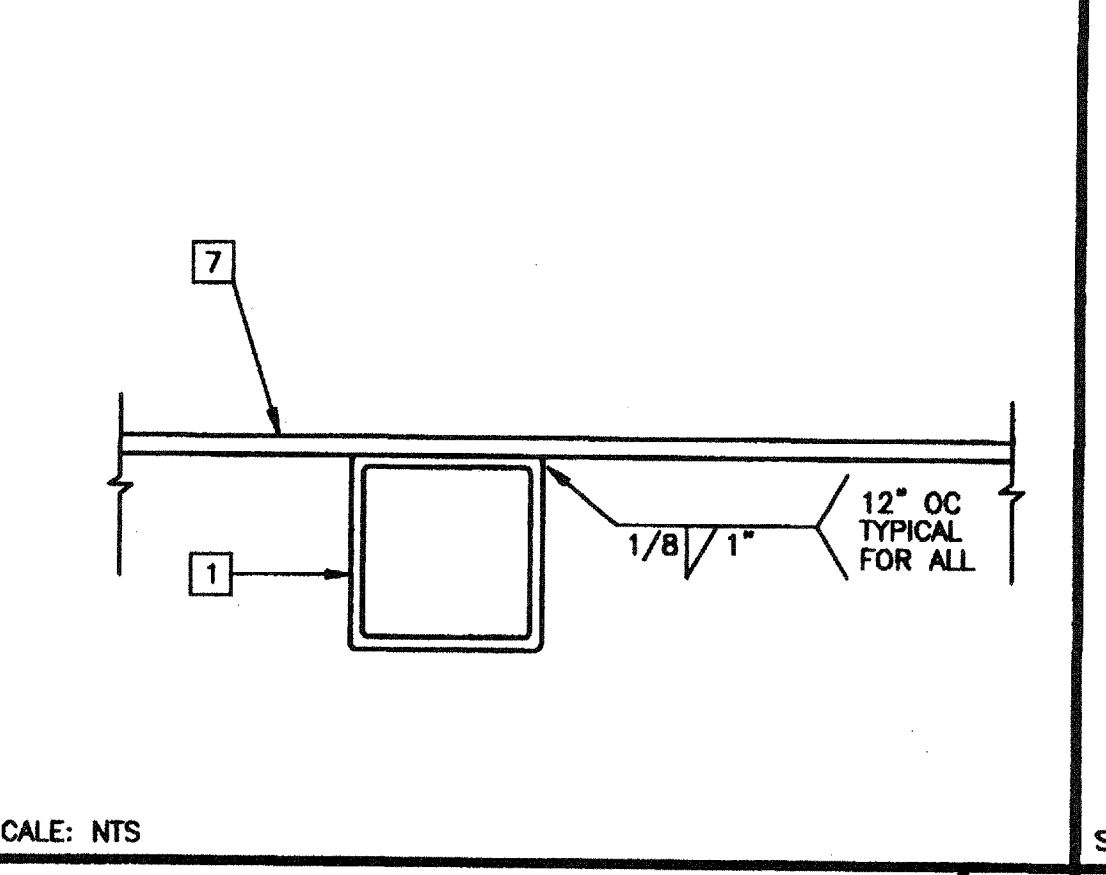
ADJUSTABLE LEG 6
SCALE: 3"=1'-0"



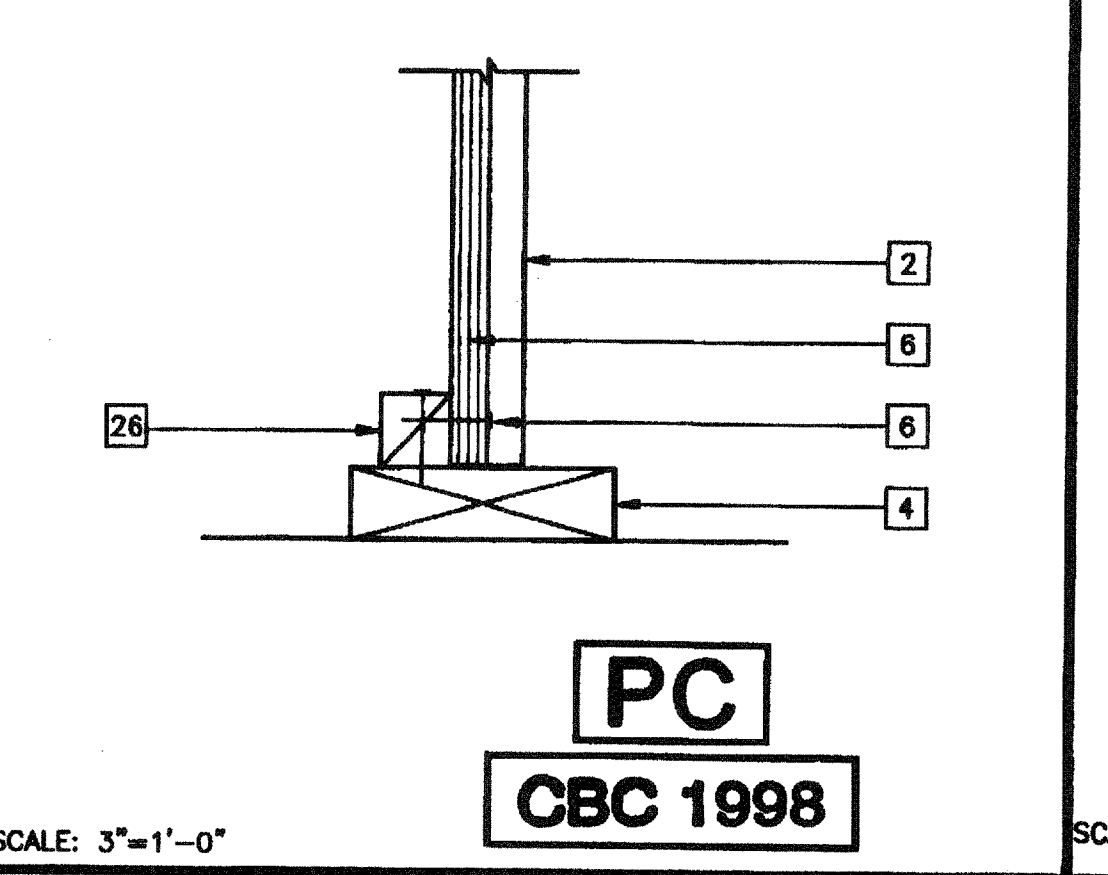
END ELEVATION 3
SCALE: 3/4"=1'-0"



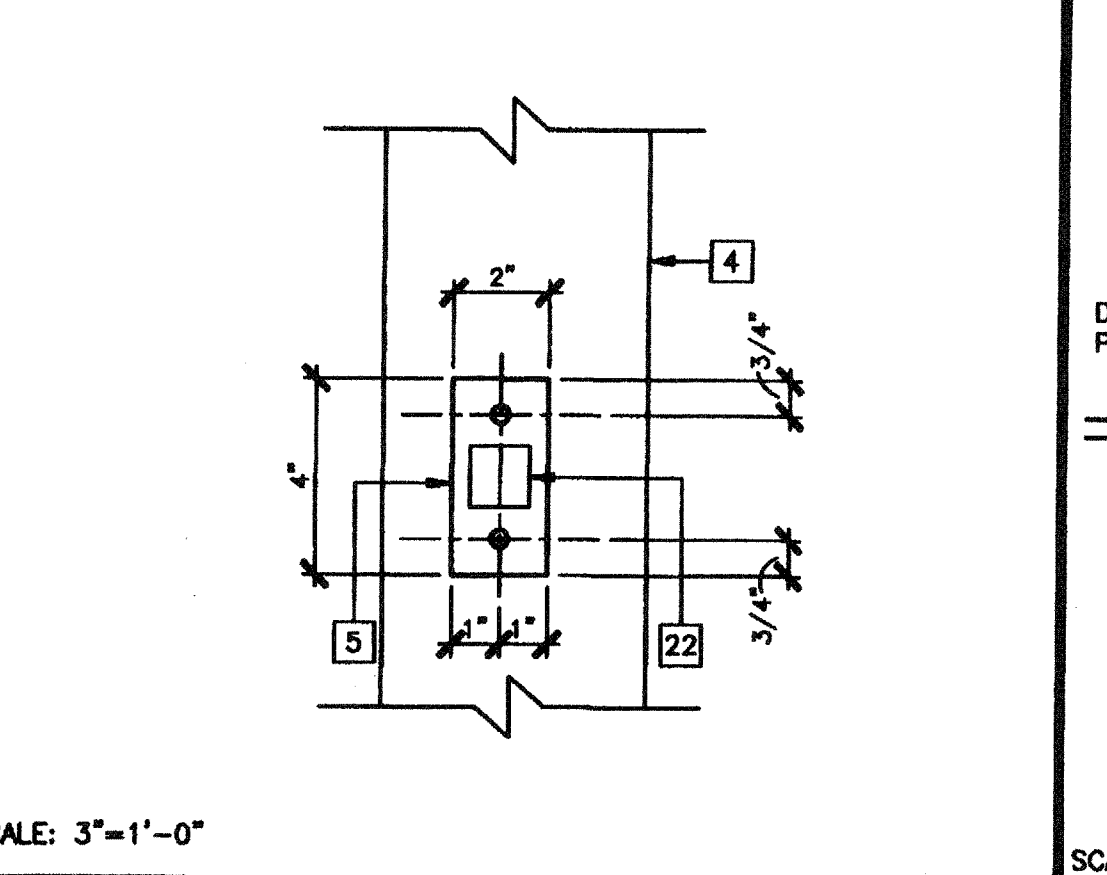
RAMP TRANSITION 19
SCALE: NTS (BY DISTRICT)



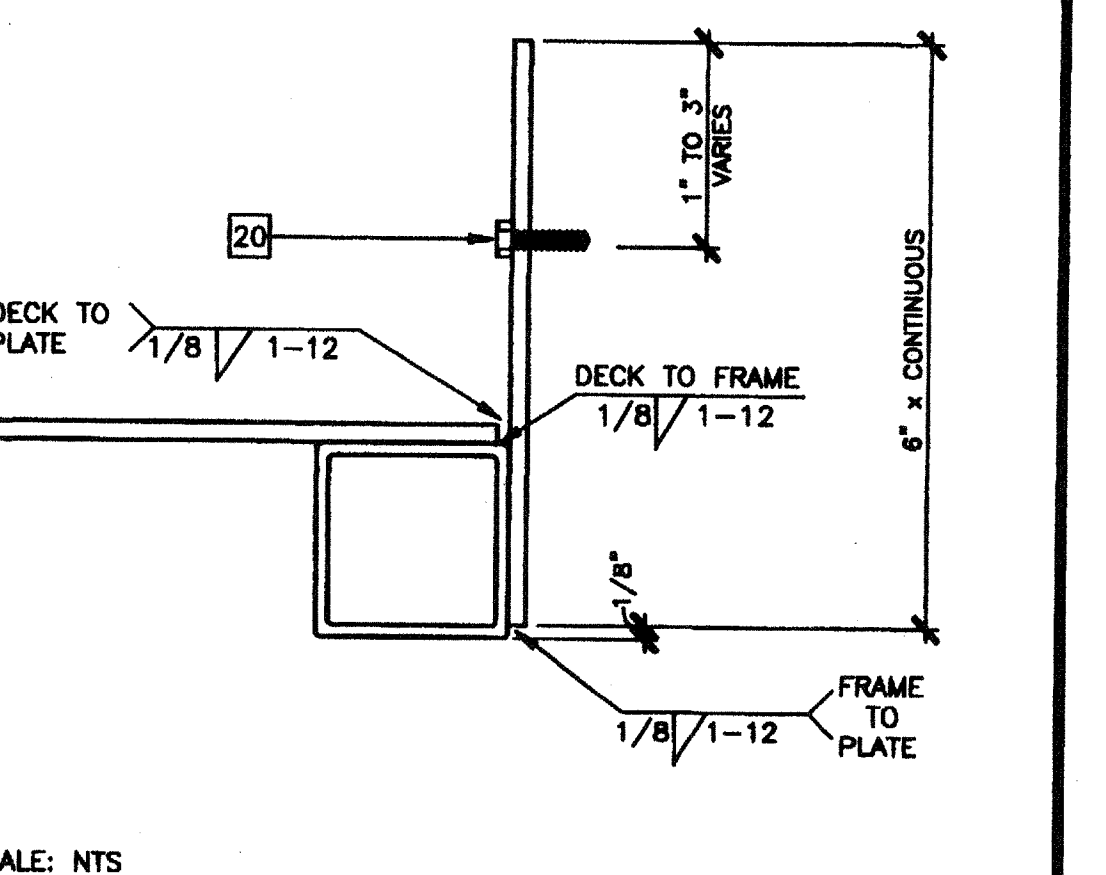
SECTION AT INTERIOR FRAME 15
SCALE: NTS



SKIRT AT SILL PLATE 11
SCALE: 3"=1'-0"



ADJUSTABLE LEG BASE PLATE 7
SCALE: 3"=1'-0"



SECTION AT PLATE 4
SCALE: NTS

- KEY NOTES**
- 1 TS 2"x2"x14 GA
 - 2 TS 1 1/2"x1 1/2"x14 GA (Fy = 39 KSI) ROUNDED OR BEVELED AT CORNERS
 - 3 TS 1"x1"x16 GA WHEELCHAIR GUIDE
 - 4 2"x6" PRESSURE TREATED SILL PLATE
 - 5 2"x4"x12 GA BASE PLATE WITH 2-1/4"x1" LAGS
 - 6 SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH WITH 8d AT 6" OC EDGES AND 12" OC FIELD. AT EDGE CONNECTION TO TS. USE #14x2" TEK SCREWS AT 6" OC
 - 7 12GA METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 0.6. MAINTAINABLE FOR 1 YR.
 - 8 EXISTING BUILDING.
 - 9 6"x10"x12 GA BASE PLATE AT RAMP TOE.
 - 10 LOWER LANDING BY DISTRICT
 - 11 RAMP BY MODTECH
 - 12 FLUSH TRANSITION
 - 13 PAVE BY DISTRICT
 - 14 3"x1"x3"-0"x10 GA BENT PLATE
 - 15 FASTEN POSTS WITH 3/8" DIA THRU BOLT, TYPICAL
 - 16 RAMP LANDING, TYPICAL
 - 17 26 GA FLASHING
 - 18 3/8" DIAx2" LONG MB WITH NUT & WASHERS
 - 19 CAULKING
 - 20 6"x10GA CONTINUOUS PLATE WITH #14x2" TEK SCREWS AT 9" OC INTO WOOD OR FOUNDATION BLOCKS OR #14x2" TEK SCREWS INTO METAL AT 9" OC
 - 21 PROVIDE DIVERSION FOR WATER FROM DOWNSPOUT FOR THIS CONDITION. BY DISTRICT
 - 22 TS 1 1/4"x1 1/4"x14 GA (Fy = 39 KSI)
 - 23 4" MINIMUM BUILDING SEPARATION
 - 24 2" SLIP RESISTANT WARNING STRIPES MAX 1" FROM EVERY STAIR NOSING. USE CONTRASTING COLOR.
 - 25 TS 2 1/2"x1 1/2"x8 GA ASTM A500 GRADE A
 - 26 2"x2" NAILER WITH 16d AT 12" OC
 - 27 PROVIDE ROUNDED OR BEVELED EDGES ON STAIR NOSING.

REVISIONS

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

Architect
PC
CBC 1998

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
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PROJECT NUMBER: 4134, 4153, 4173, 4203, © MODTECH, INC. 2001
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4284, 4302, 4350
4304, 4347, 4373, 4422
4506

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
APPROX 116574
AC 116574
DATE APR 18 2002

STKP-62
DRAWN BY: M. ANDERSEN
DATE: APR 15 2002
CHECKED BY: 4012-121
DATE: 04-16-02
MODTECH Index No.

RAMP/LANDING DETAILS

R1.02

FILE PATH: 2440-4134.DWG PROJECT NO. 4134 4/07 PC-04-101268

RELOCATABLE BUILDING(S)

FOR CLASS LEASING INC STOCKPILE # 37

JOB #	SERIAL #
2765 (1)	34042-43
2852 (28)	35581-35636
2854 (10)	35686-35693, 35674-35685
2900 (2)	36143-36146
2818 (30)	35228-35283, 35897-35900
# (1)	36878-79
72	

PC-266

7250 - 24' x 40'

REVISED

BUILDING DATA			
BUILDING SIZE	24' X 40'	36' X 40'	48' X 40'
OCCUPANCY	E-2	E-1	E-2
TYPE OF CONSTRUCTION	V-N	V-N	V-N
WIND LOAD	70 MPH EXP. "C"	70 MPH EXP. "C"	70 MPH EXP. "C"
FLOOR LIVE LOAD	50 + 20 PSF	50 + 20 PSF	50 + 20 PSF
ROOF LIVE LOAD	20 PSF	20 PSF	20 PSF
BUILDING AREA	960 SF	1440 SF	1824 SF
STRUCTURAL DESIGN	RIGID FRAME	RIGID FRAME	RIGID FRAME

APPLICABLE CODES	
TITLE 24, COR. PART 2, 1995 CBC (94 UBC W/95 CA AMENDMENTS)	
1994 UBC & 1995 CA AMENDMENTS (95 CBC - PART 2, TITLE 24, COR)	
1993 NEC & 1995 CA AMENDMENTS (95 NEC - PART 3, TITLE 24, COR)	
1994 UMC & 1995 CA AMENDMENTS (95 UMC - PART 4, TITLE 24, COR)	
1994 UPC & 1995 CA AMENDMENTS (95 UPC - PART 5 TITLE 24, COR)	
1994 UNIFORM FIRE CODE W/ STATE AMENDMENTS (CALIFORNIA FIRE CODE - PART 9, TITLE 24, COR)	
1994 BUILDING STANDARDS CODE (95 STATE REFERENCED STANDARDS CODE - PART 12, TITLE 24, COR)	
TITLE 19, COR. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.	

LEGEND	
SYMBOL	DESCRIPTION
	DETAIL ON SAME SHEET AS SYMBOL
	DETAIL NUMBER (1) ON SHEET NUMBER (2)
	KEY NOTE (1) ON SAME SHEET AS SYMBOL
	KEY NOTE NUMBER (4) ON SHEET NUMBER (5)
	WALL PANEL TYPE "A" ON SHEET (1)
	SECTION "A" ON SHEET (2)
	REVISION / CHANGE IN DR. NO. NO. (1) IS FIRST REVISION
	HIGHLIGHTS CHANGED AREA
	DOOR REFERENCE
	WINDOW REFERENCE
	ELECTRICAL ITEM(S) SEE ELECT. DRAWINGS
	HEATING/VENTILATING & AIR CONDITIONING ITEM(S) SEE MECHANICAL DRAWINGS
	PLUMBING ITEM(S) SEE MECH. & PLUMBING DRAWINGS
	STRUCTURAL ITEM(S) SEE STRUCTURAL DRAWINGS

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

O4 100596
DATE 10/10/1998
Acc: J. Schoible
P.O. Eppa
J.S. G. VANS.

WITH THE SIGNING OF THESE DRAWINGS, I ACKNOWLEDGE THAT WE HAVE REVIEWED THESE PLANS AND SPECIFICATIONS AND MAKE NO CLAIM TO BE IN GENERAL COMPLIANCE WITH THE BID DRAWINGS, SPECIFICATIONS AND ASSOCIATED ADDENDA. WHEN THESE PLANS AND SPECIFICATIONS ARE REVIEWED BY THE DIVISION OF THE STATE ARCHITECT, THEY SHALL PRESERVE ANY CONFLICTING AREAS IN THE BID DRAWINGS AND SPECIFICATIONS, AND ANY ADDENDUM THERE TO.

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SHEET INDEX	
ARCHITECTURAL SITE SET-UP	
A0	COVER SHEET
A1.0	FLOOR PLAN 24'X40'
A2.0	FLOOR PLAN 36'X40'
A3.0	FLOOR PLAN 48'X40'
A4.0	ROOF PLAN (WOOD TRUSS) 24'X40'
A5.0	ROOF PLAN (WOOD TRUSS) 36'X40'
A6.0	ROOF PLAN (WOOD TRUSS) 48'X40'
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KEY NOTES

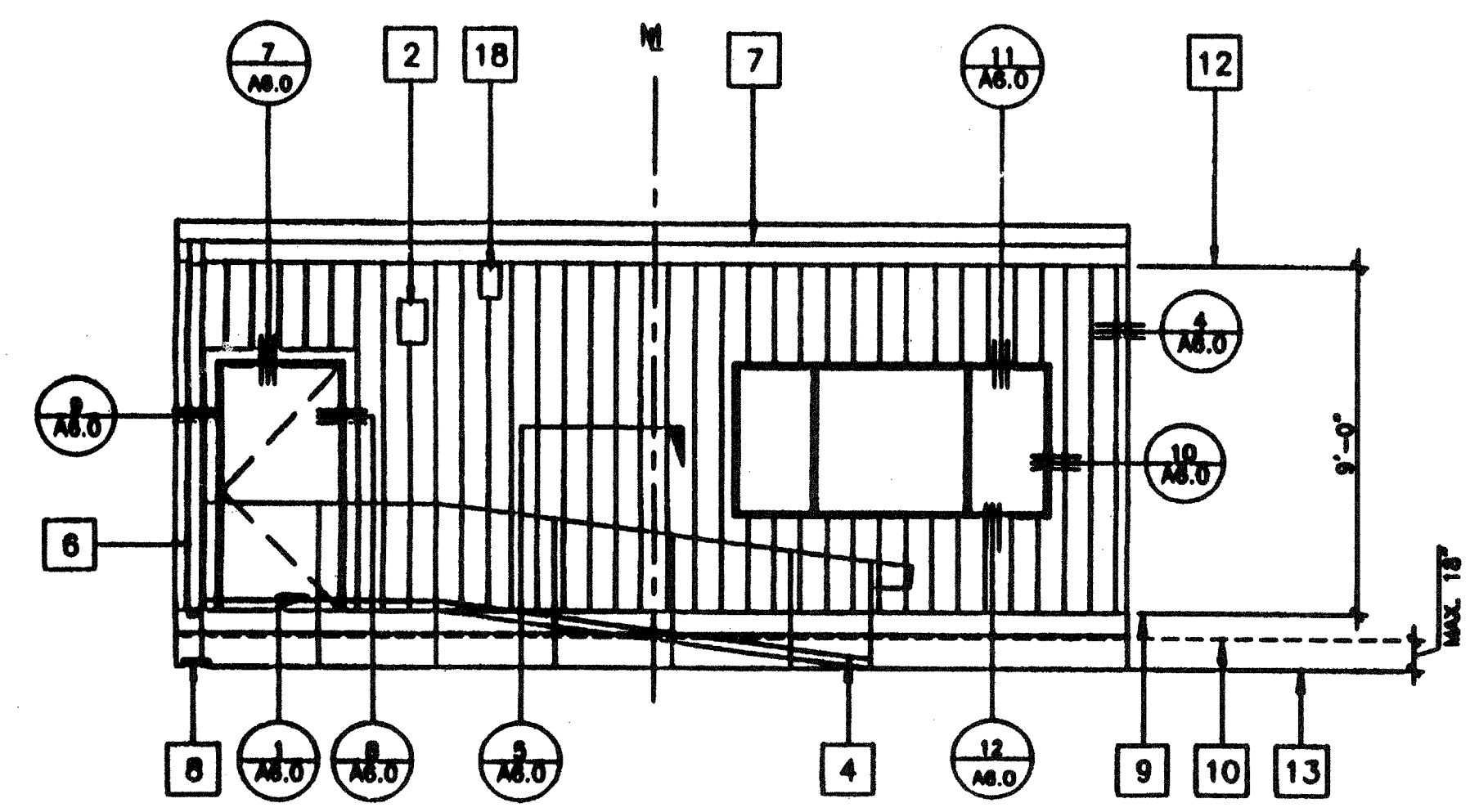
- 1 TYPICAL EXTERIOR SIDING (SEE FINISH SCHED.)
- 2 EXTERIOR LIGHT FIXTURE (SEE SPECIFICATIONS)
- 3 TOP OF SKIRTING
- 4 RAMP AND LANDING SEE SHT. R-1
- 5 HVAC UNIT (HV)
- 6 DOWNSPOUT (TYP.) FOR (2). FASTEN TO BLDG. TYP. 3 PLACES (SEE 8/A6.1)
- 7 CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT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

NOTES

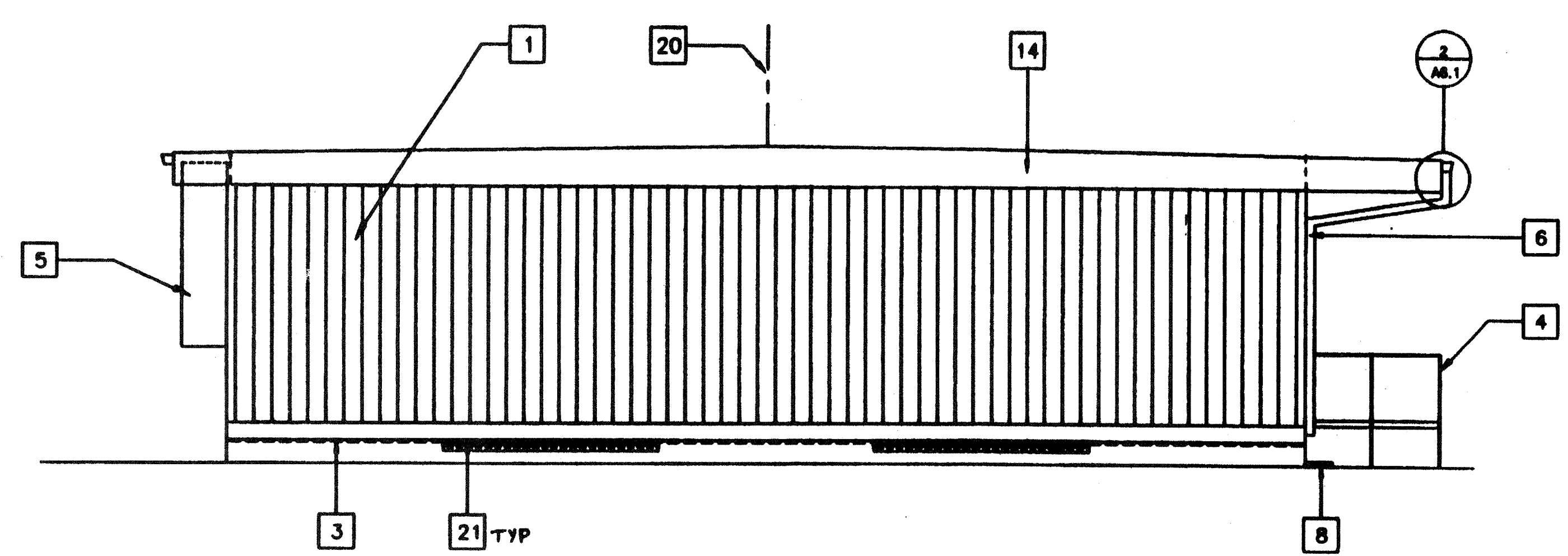
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 ART03 110574
 AC 11 FLS 88
 DATE SEP 23 2015

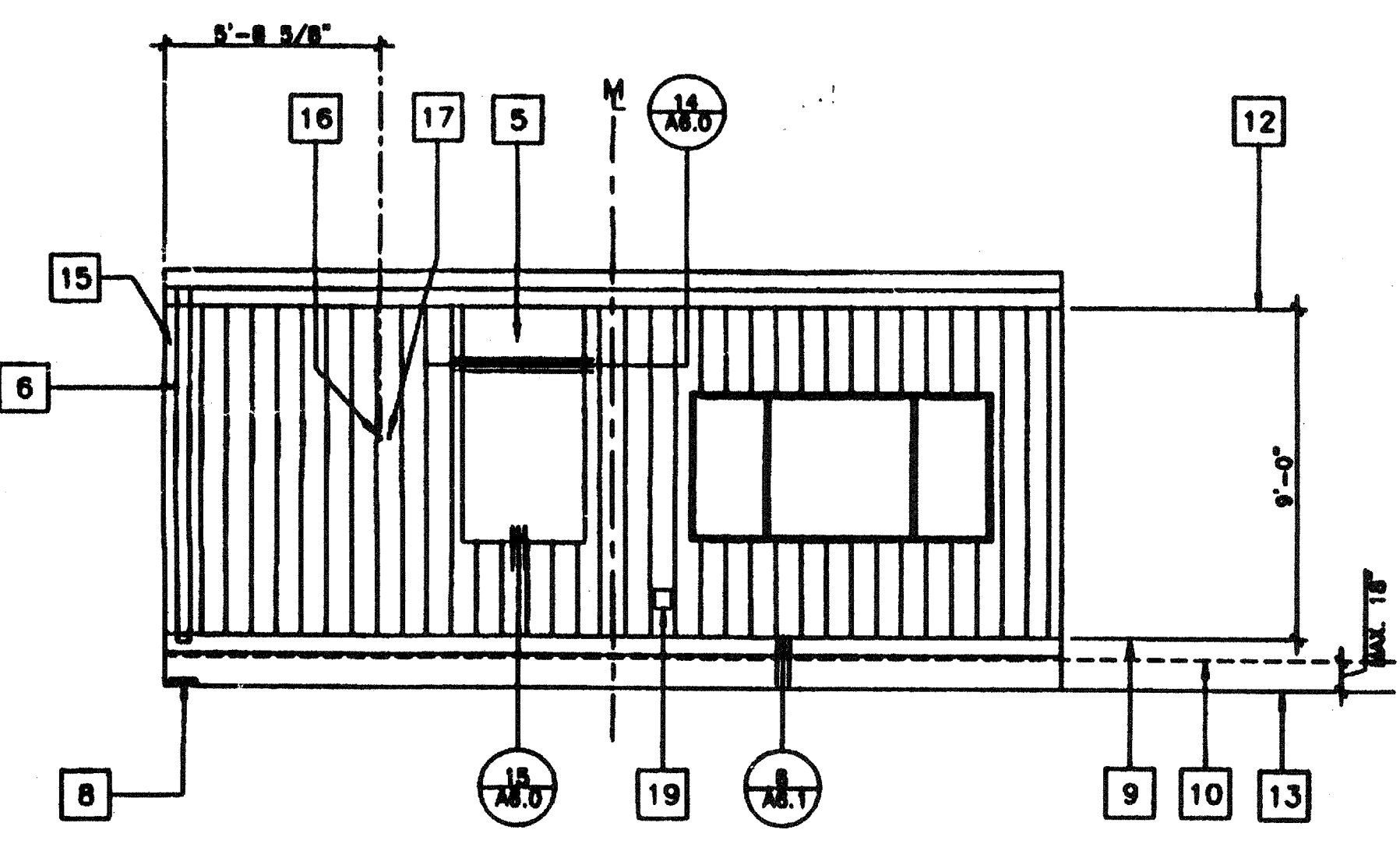
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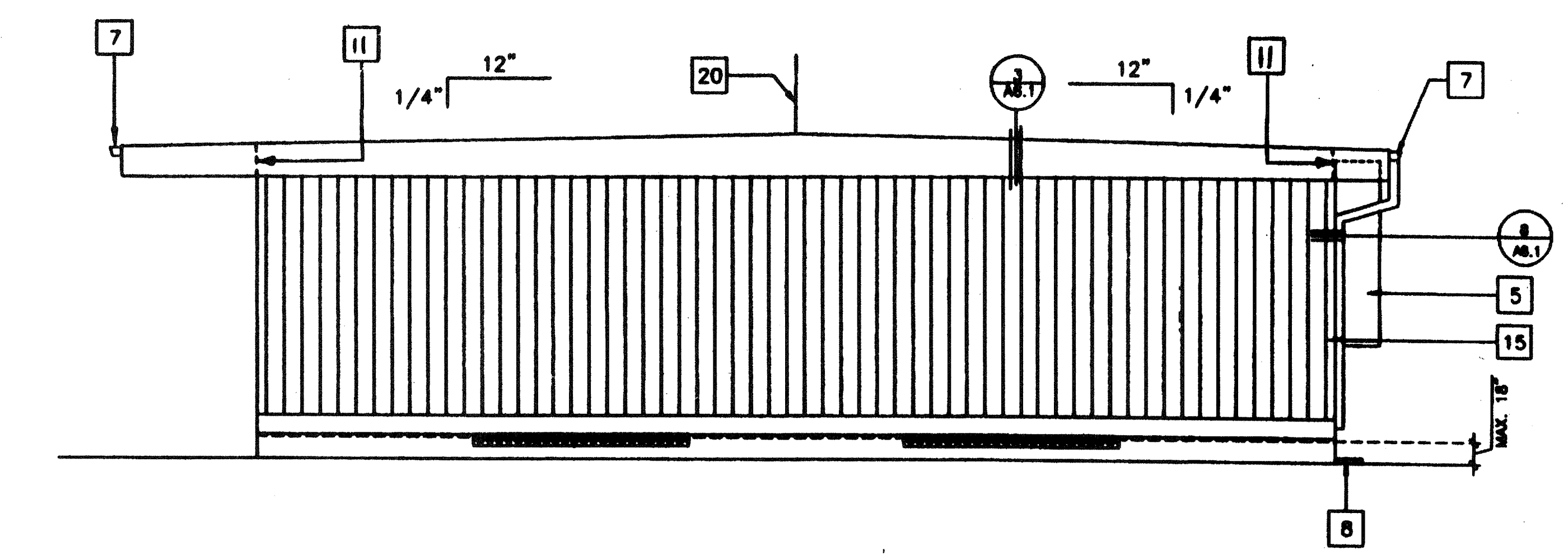
1 FRONT ELEVATION
 SCALE 1/4"=1'-0"



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"

24' X 40' (DUAL SLOPE)

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architect's Seal	Division of the State Architect	PROJECT NUMBER:	© MODTECH, INC. 1997	drawn by:
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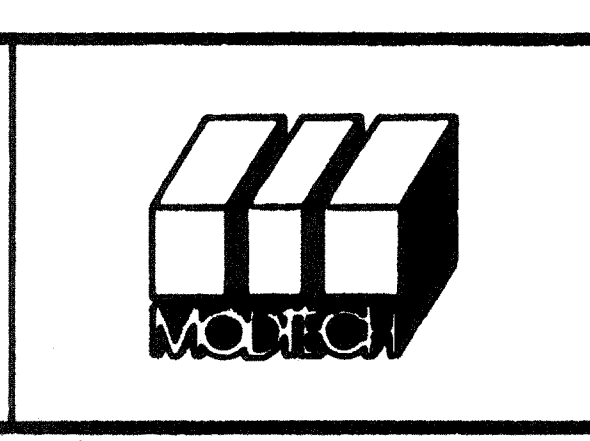
Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architect's Seal
 LICENSED ARCHITECT
 GEORGE C. EDWARDS
 No. 10000
 STATE OF CALIFORNIA
 EXPIRES 9-30-99

Division of the State Architect
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 PC-266
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MODTECH INC.
 2830 BARRETT AVENUE
 PERRIS, CALIF. 92572
 PH (909) 943-4014
 FAX (909) 940-0427

PROJECT NUMBER:

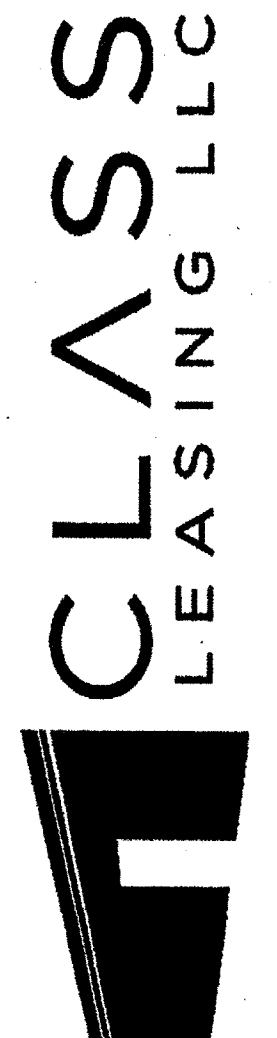
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 MODTECH Index No.

EXTERIOR ELEVATIONS

A3.0

REVISIONS	BY



Class Leasing, LLC
 1221 Harley Knox Blvd. Perris, CA 92571-7408
 VOICE (951)943-1908 FAX (951)943-5768

CLASS LEASING, INC.
 STOCKPILE CLASSROOM
 24x40 - 50 PSF RELOCATION
 FOUNDATION PLAN & DETAILS

DATE	09-29-2014
SCALE	
DRAWN	LAM-CLLS
JOB	24x40 50 PSF
SHEET	F2.0

KEY NOTES 24x40- 50 PSF FLOOR LOAD

FOUNDATION AT SIDE WALL

- TOP PLATE: 2x6 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
- BLOCKING: 2x8 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
- SILL PLATE: 2x12 (PT) WITH SILL RESTRAINT PER GENERAL NOTE #A

FOUNDATION AT END WALL

- TOP PLATE: 2x4 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
- BLOCKING: 2x4 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
- SILL PLATE: 2x6 (PT) WITH SILL RESTRAINT PER GENERAL NOTE #A
- SILL RESTRAINT- PIPE TO GRADE (TYP) SEE GENERAL NOTE #A
- SKIRTING: 3/8" PLYWOOD, ATTACH WITH 10d NAILS, EDGE NAILING 4" O.C. AT END WALLS AND 6" O.C. AT SIDE WALLS, FIELD NAILING 12" OC
- SIDEWALL VENT: 3" HIGH BY 8'-0" LONG. INSTALL UNDER SKIRTING. SKIRTING ATTACH WITH 10d NAILS, EDGE NAILING 8" O.C.
- END WALL VENT: 3" HIGH BY 2'-0" LONG. INSTALL UNDER SKIRTING. SKIRTING ATTACH WITH 10d NAILS, EDGE NAILING 4" O.C.
- SHIM: 5/8" X 2 1/2" WHEN REQUIRED

FOUNDATION AT MOD LINE / END WALL

- TOP PLATE: 2x6 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
- BLOCKING: 2x10 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
- SILL PLATE: (8) 2x12x30" (PT)

FOUNDATION AT MOD LINE / INTERIOR WALL

- TOP PLATE: 2x6 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
- BLOCKING: 2x10 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
- SILL PLATE: (4) 2x12x30" (PT)
- FLOOR BEAM: C7x 9.8 TYPICAL
- FLOOR HEADER: C7x 9.8 TYPICAL
- FINISH GRADE
- FLOOR JOIST
- EXTERIOR FINISH
- PLYWOOD SUB-FLOOR
- TOP PLATE: CONTINUOUS
- BLOCKING
- SILL PLATE
- MODLINE
- TIE PLATE: 12" x 6" x 10 GA
- PLATE ANCHOR: 4 - 1/4" S.M.S. (1 1/2" MIN. EMBEDMENT)
- PLATE ANCHOR: 4 - 1/4" x 2" LONG LAG SCREWS (1 1/2" MIN. EMBEDMENT)
- TIE PLATE: 12" x 4" x 10 GA
- BUILDING ANCHORAGE: 6 - 5/8" x 4" LAG SCREWS AT EACH BUILDING (FOR LOCATION SEE PLAN AT ADJACENT BUILDINGS)
- LOCATION OF SHIM PLATES WHERE REQUIRED FOR LEVELING USE 1/4", 1/2" OR 3/4" PLYWOOD AT SAME WIDTH AS PLATE. NAIL SHIM TO PLATE WITH (6) 10d BOX.
- 2" CUT OUT OF SILL PLATE FOR DRAINAGE. FIELD TO LOCATE AT LOWEST CORNER OF FOUNDATION.
- 1" PIPE EACH END OF PAD AT ADJACENT BUILDING LINE.
- THIS VENT TO BE LOCATED UNDER LANDING. PROVIDE EQUAL AREA SCREENED VENTILATION IN LANDING SKIRT.

FOUNDATION AT BUILDING SEPARATION / END WALL

- TOP PLATE: 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
- BLOCKING: 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
- SILL PLATE: (6) 2x12x30" (PT) WITH SILL RESTRAINT PER PLAN AND NOTE 25.

FOUNDATION AT BUILDING SEPARATION / INTERIOR WALL

- TOP PLATE: 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
- BLOCKING: 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
- SILL PLATE: (6) 2x12x30" (PT) WITH SILL RESTRAINT PER PLAN AND NOTE 25.

GENERAL NOTES

A. **SILL RESTRAINT:** THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE (ASPHALT CONCRETE PAVING OR ON SOIL OR ON PRE-DRILLED CONCRETE SLAB ON GRADE) BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES.

USE A ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPE OR ONE-INCH DIAMETER SOLID STEEL ROD SPACED AT NOT MORE THAN 10'-0". ONE PIPE/ROD SHALL BE LOCATED AT A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES/RODS PER DISCONTINUOUS FOUNDATION STRIP.

PIPES TO PENETRATE INTO SOIL AND OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. 18-1/2" LONG PIPE REQUIRED FOR PENETRATION AT A 45 DEGREE ANGLE.

B. TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE VERIFY DRAINAGE WITH DISTRICT ARCHITECT SITE PLANS.

C. A WOOD SILL (FOOTING) PLATE SHALL BE PRESSURE TREATED HEM FIR OR DOUG FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING (BY DISTRICT). THE WOOD SILL (FOOTING) PLATE MAY SUPPORT WOOD CRIPPLE STUDS, POSTS OR CONTINUOUS BLOCKING AND SHEATHING (SKIRT) WHICH NEED NOT BE TREATED. FOUNDATION LUMBER TO BE PRECUT AT FACTORY. LUMBER AND PRESSURE TREATING TO BE VERIFIED BY THE INSPECTOR

D. FOUNDATION DESIGNED FOR 1000 PSF SOIL BEARING PRESSURE

E. THIS FOUNDATION PLAN HAS 1/4" ADDED AT EACH MODLINE AND 1/8" AT EACH SIDE WALL AND DOES NOT MATCH THE FLOOR PLAN DIMENSIONS. THIS IS REQUIRED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.

F. MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO SECOND MEMBER, AND SHALL BE NOT LESS THAN 3 1/2" IN OVERALL LENGTH

G. THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND-NAILING/PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.

PRE-CHECK (PC) DOCUMENT
 CODE: 2013 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

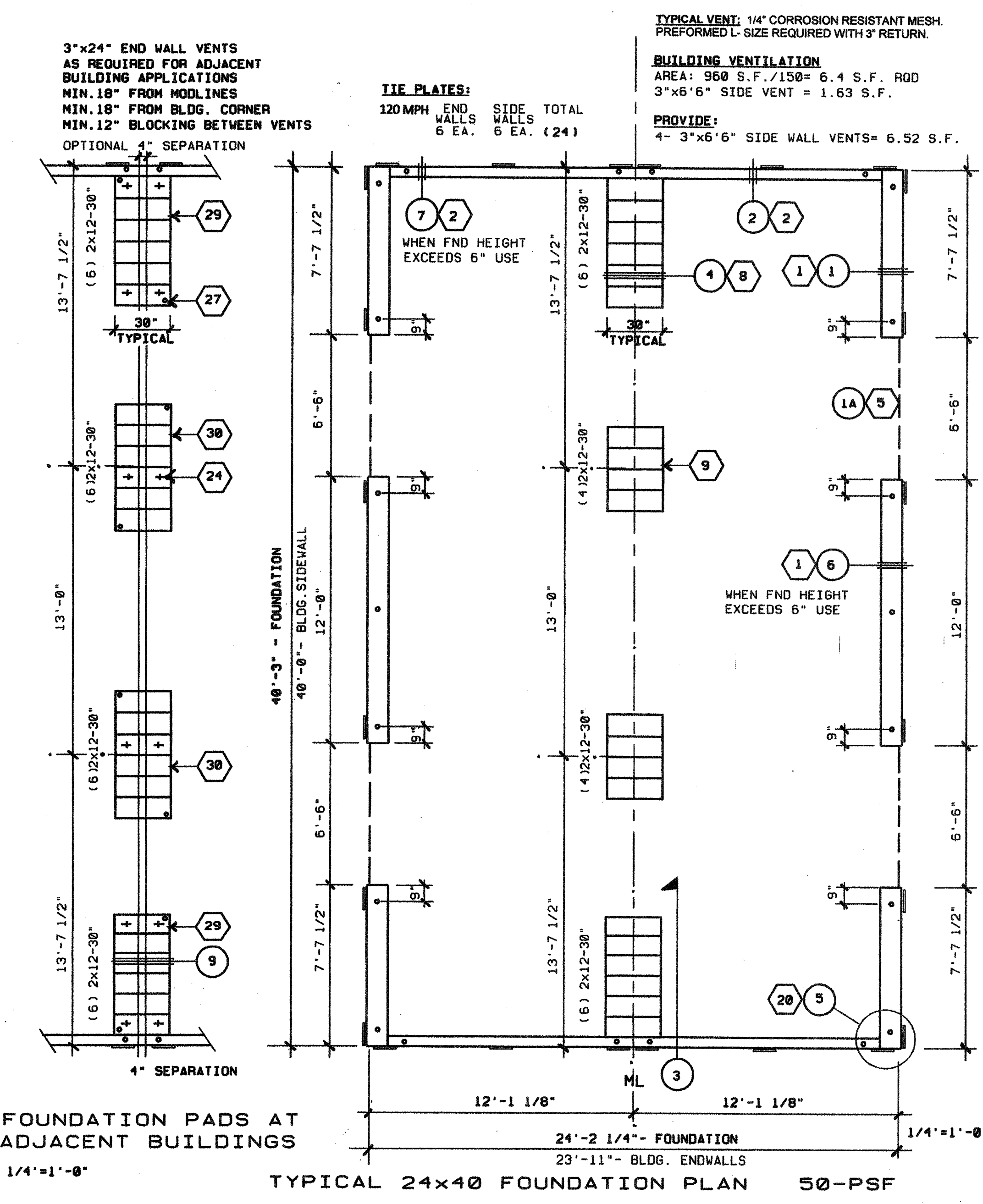
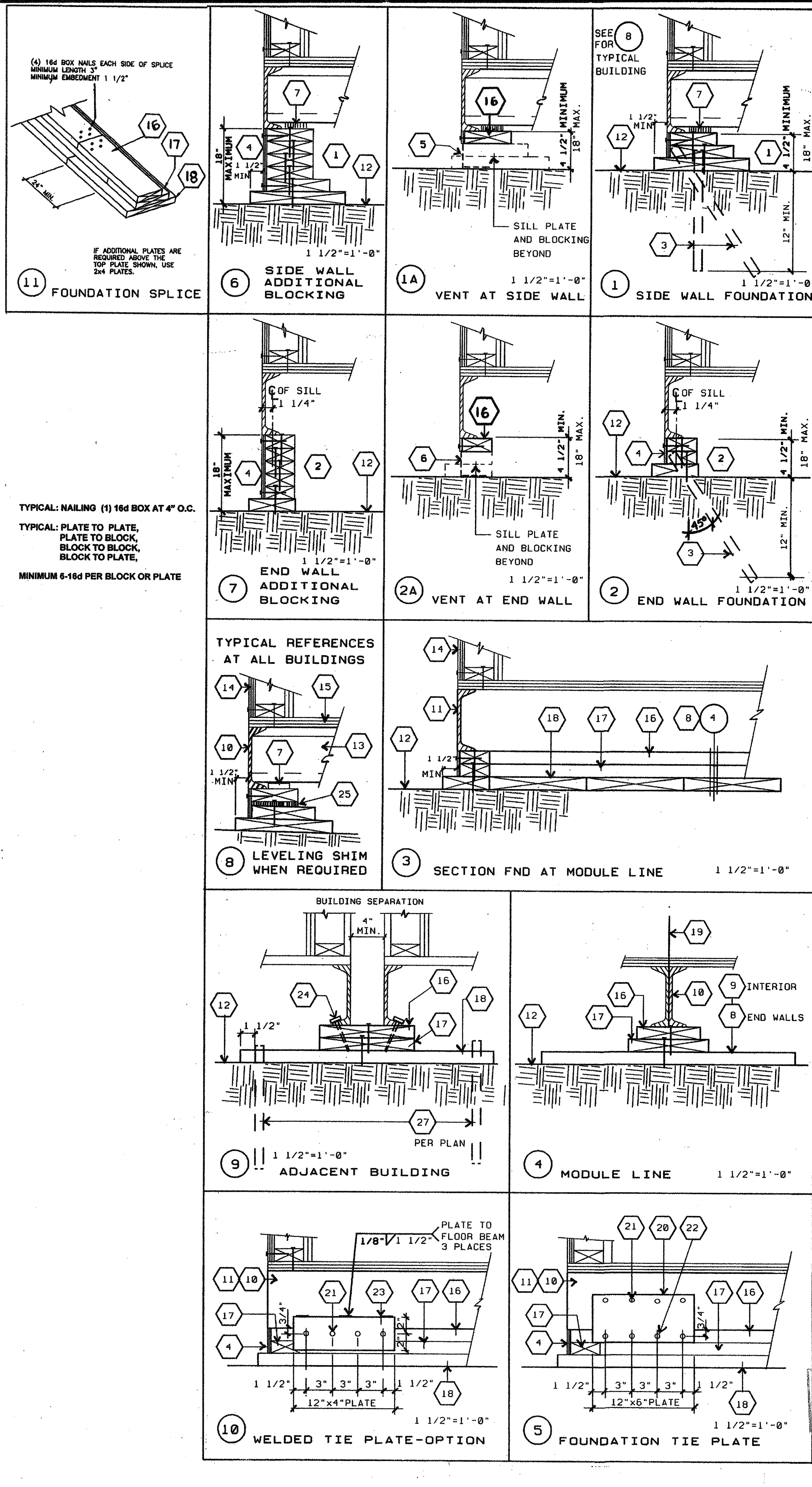
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 No. 3602

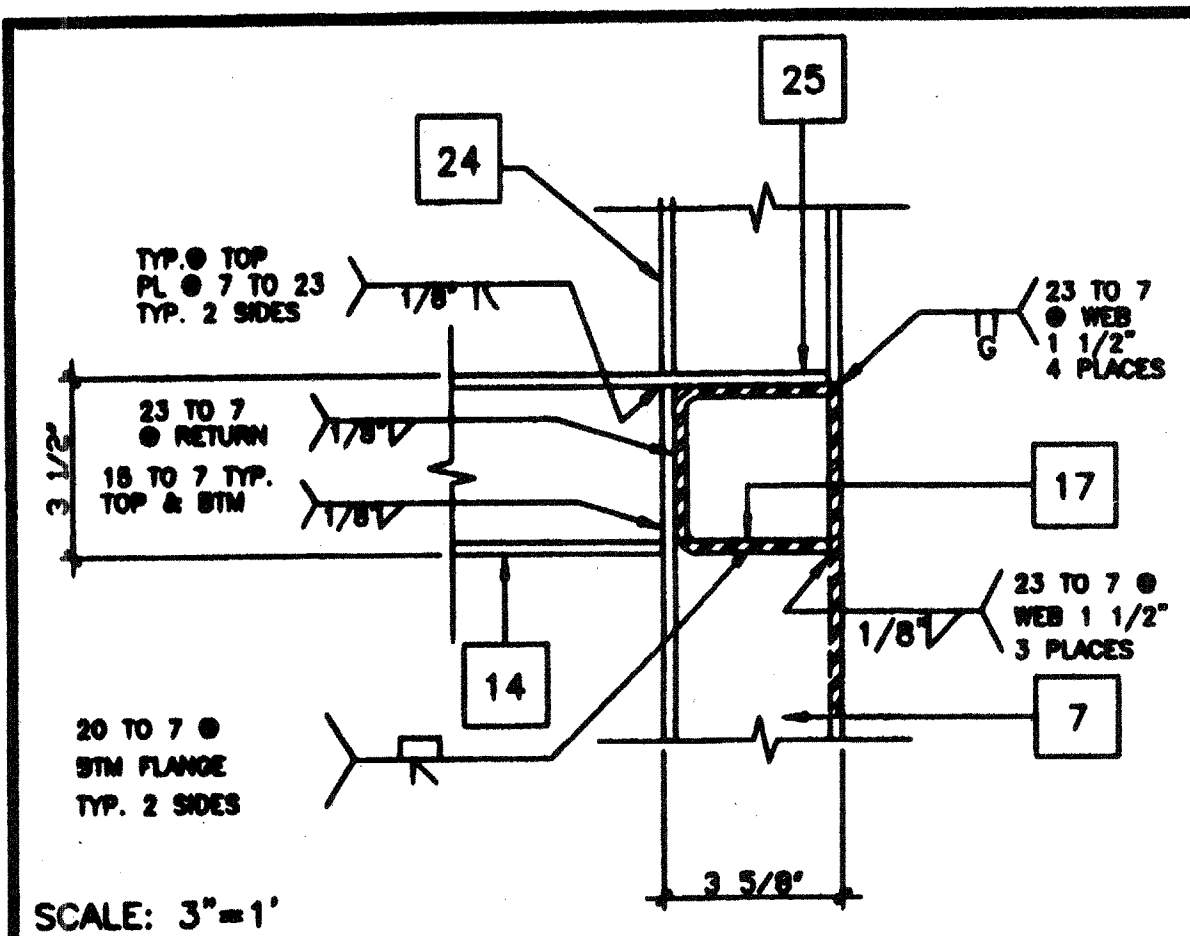
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 DATE: OCT 08 2014

DATE SIGNED: SEP 30 2014
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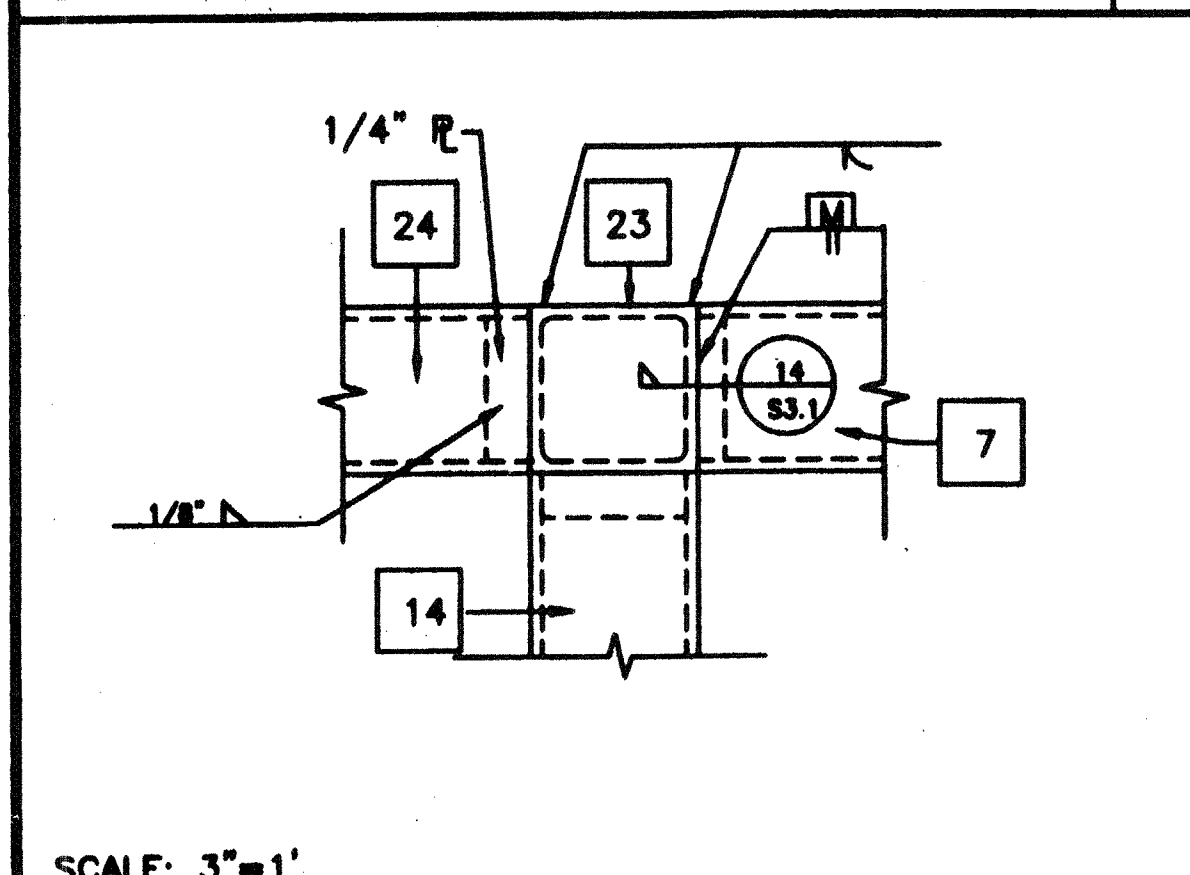
APPROX 110574
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 DATE: SEP 23 2014

24x40 - 50 PSF STOCKPILE CLASSROOM RELOCATION FOUNDATION PLAN & DETAILS

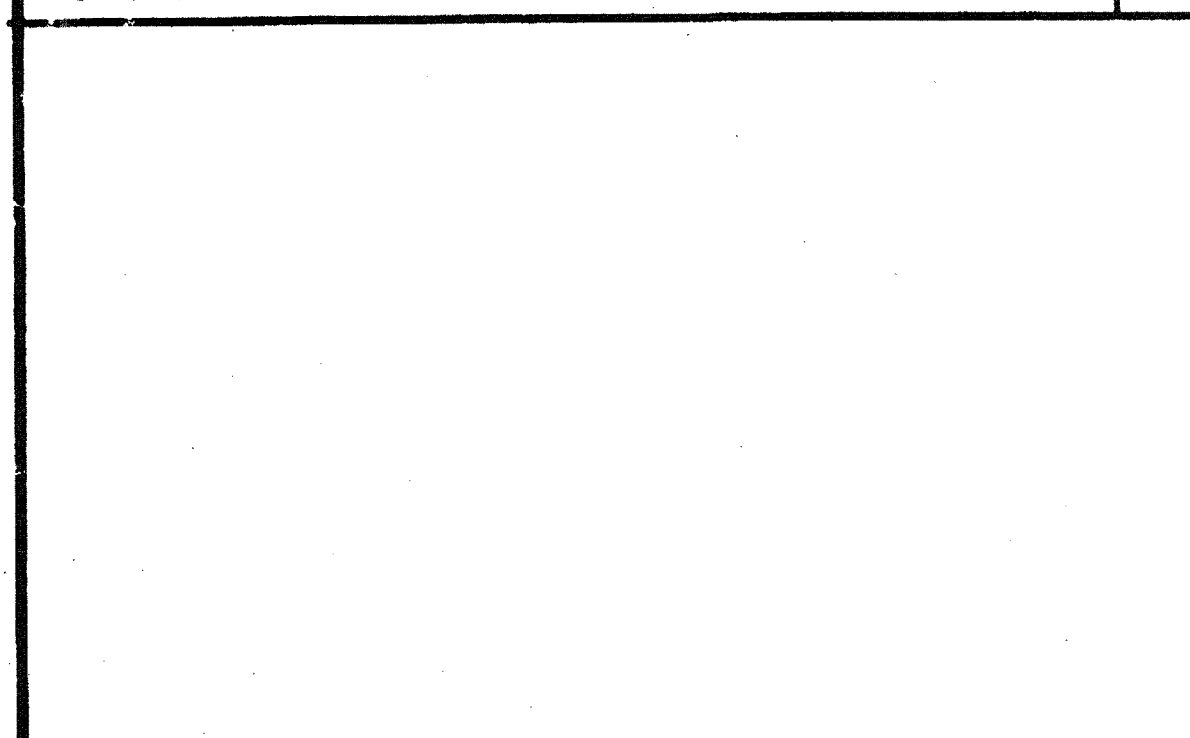




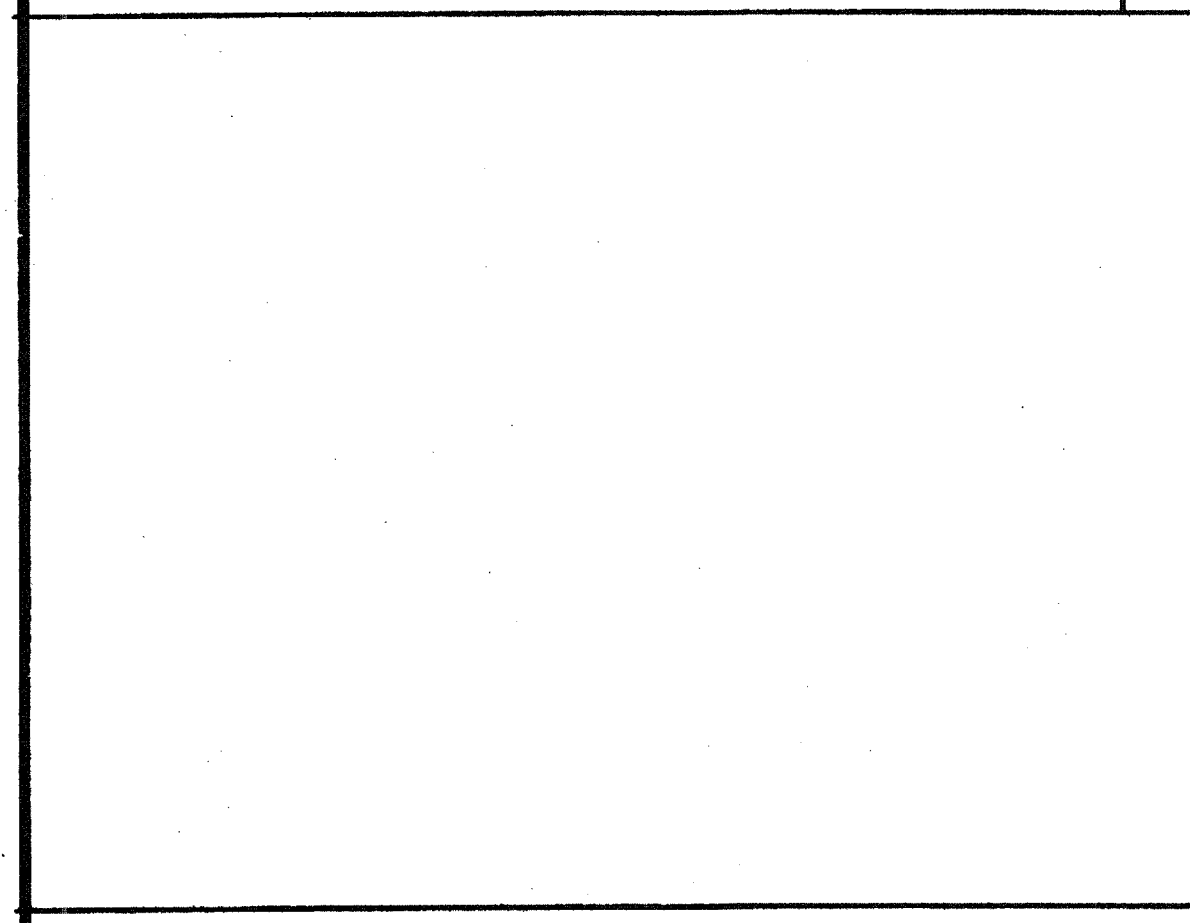
COLUMN SECTION 11



COLUMN CAP PLATE 12

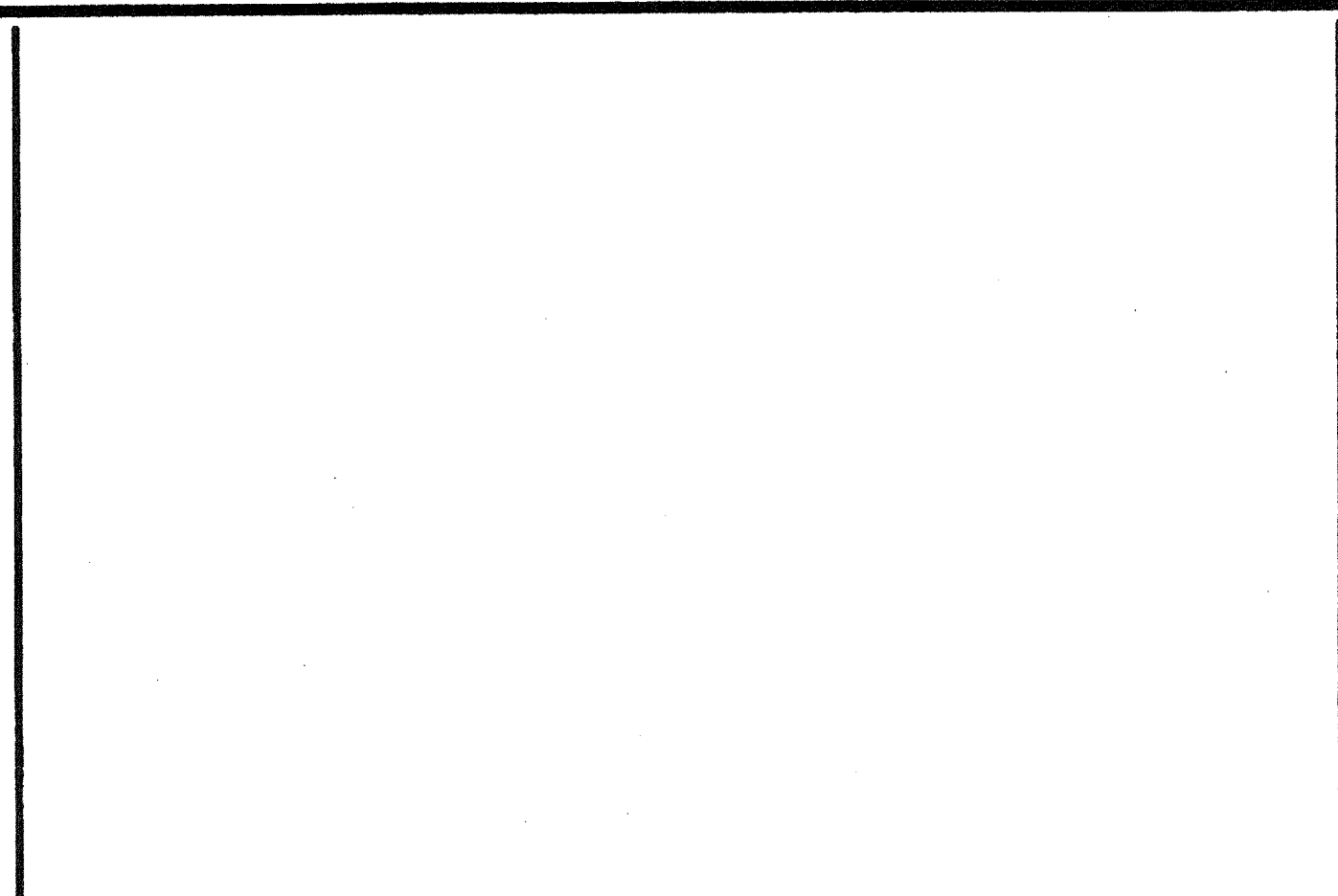


ROOF HEADER AT FRONT OVERHANG MONO PITCH 10

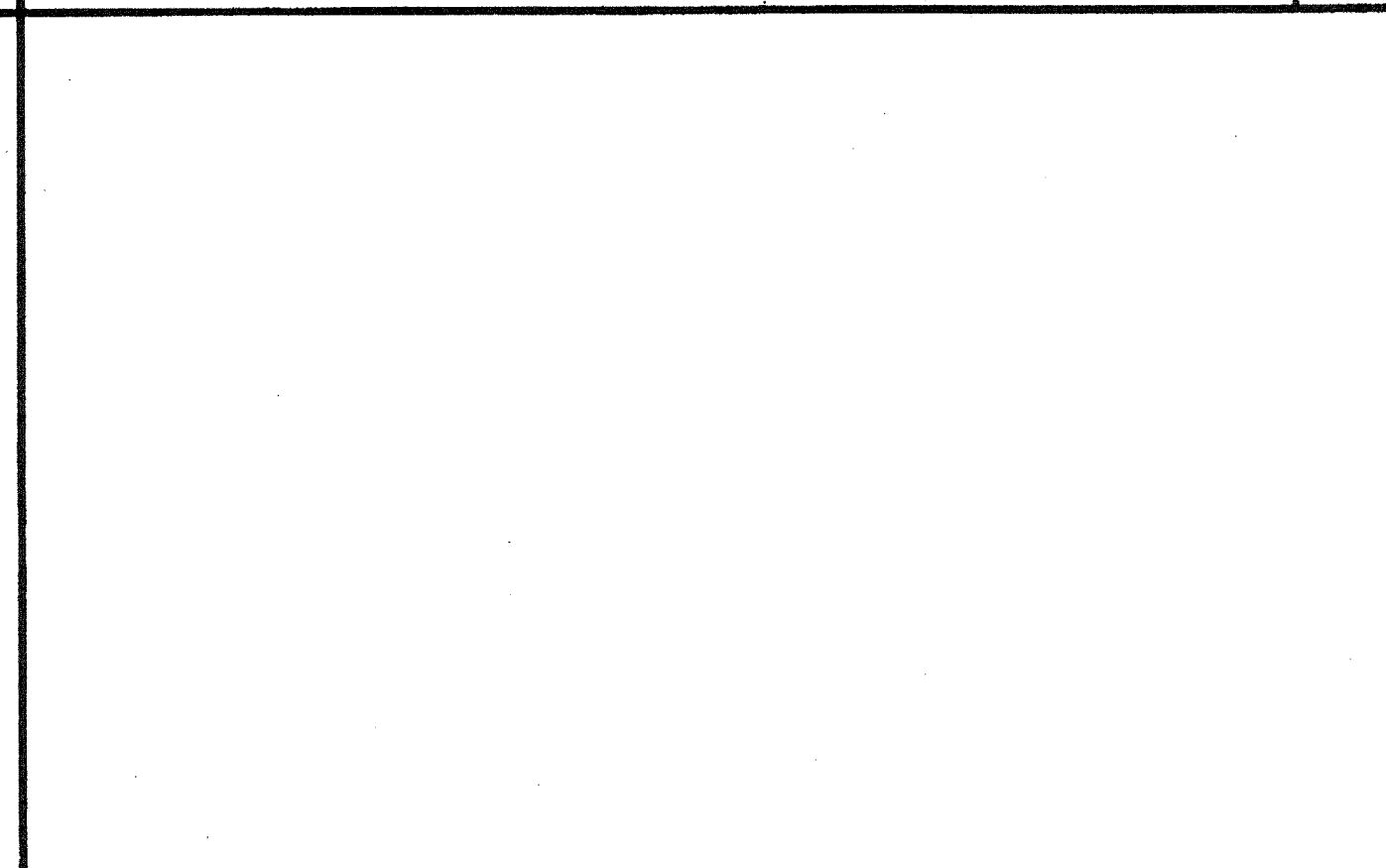


ROOF HEADER AT BLOCK AT MIDSPAN 7

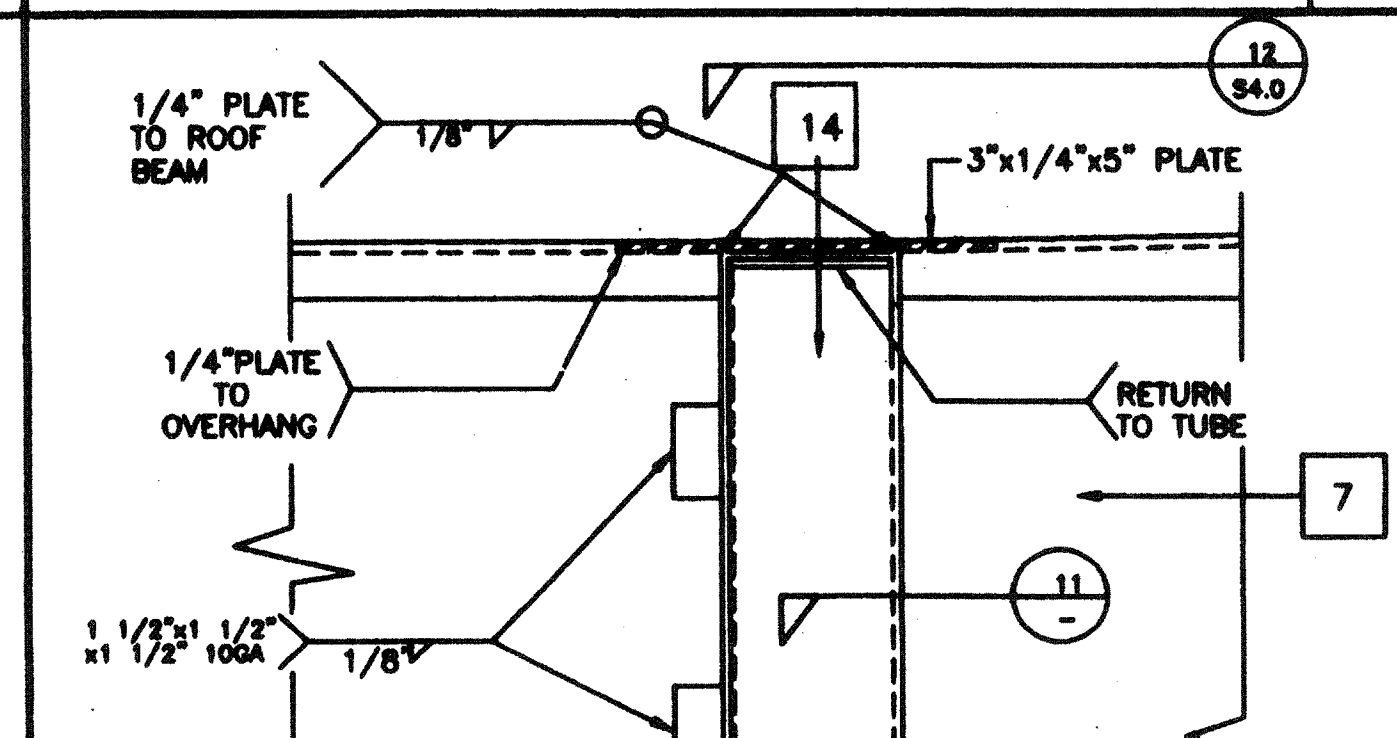
REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architect's Seal	Division of the State Architect	MODTECH INC.	PROJECT NUMBER:	© MODTECH, INC. 1997	drawn by:
						2830 BARRETT AVENUE PERRIS, CALIF. 92572	2900	4012-083	date: 2/6/95
						PH (909) 943-4014			checked by: 2052
						FAX (909) 940-0427			date: 2/20/98
									project no: 2100
									MODTECH Index No.



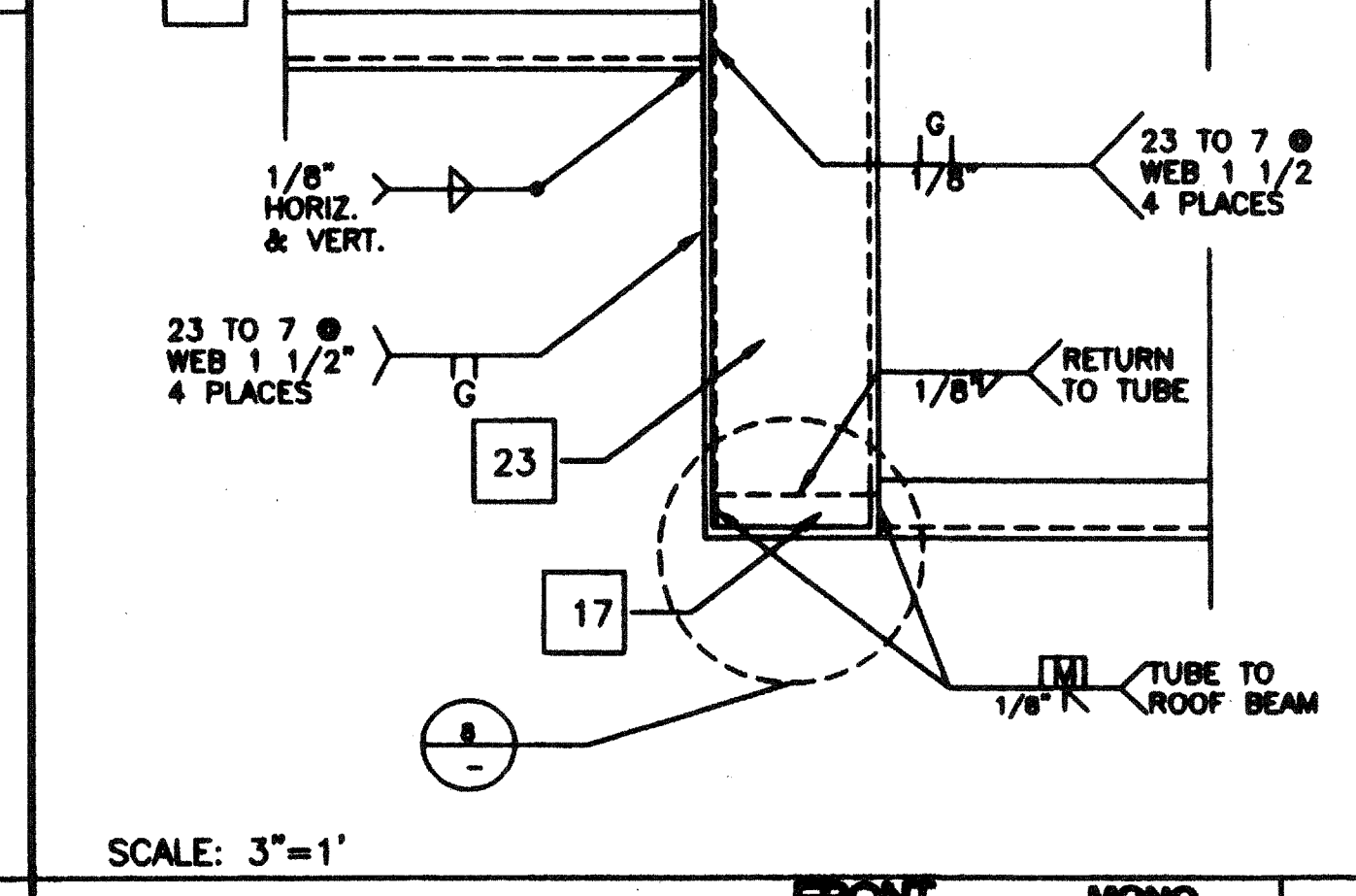
MECH. DUCT OPENING IN HEADER 4



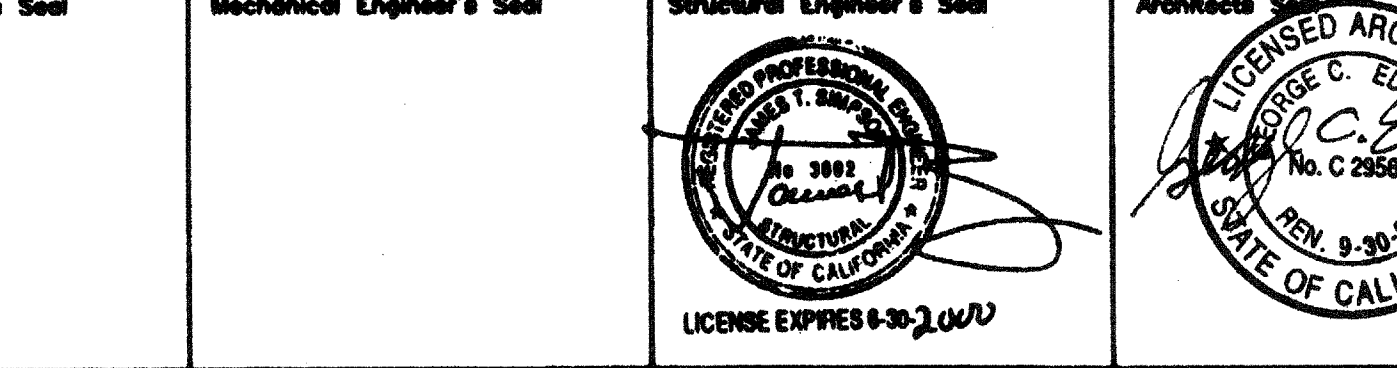
ROOF PAN 5



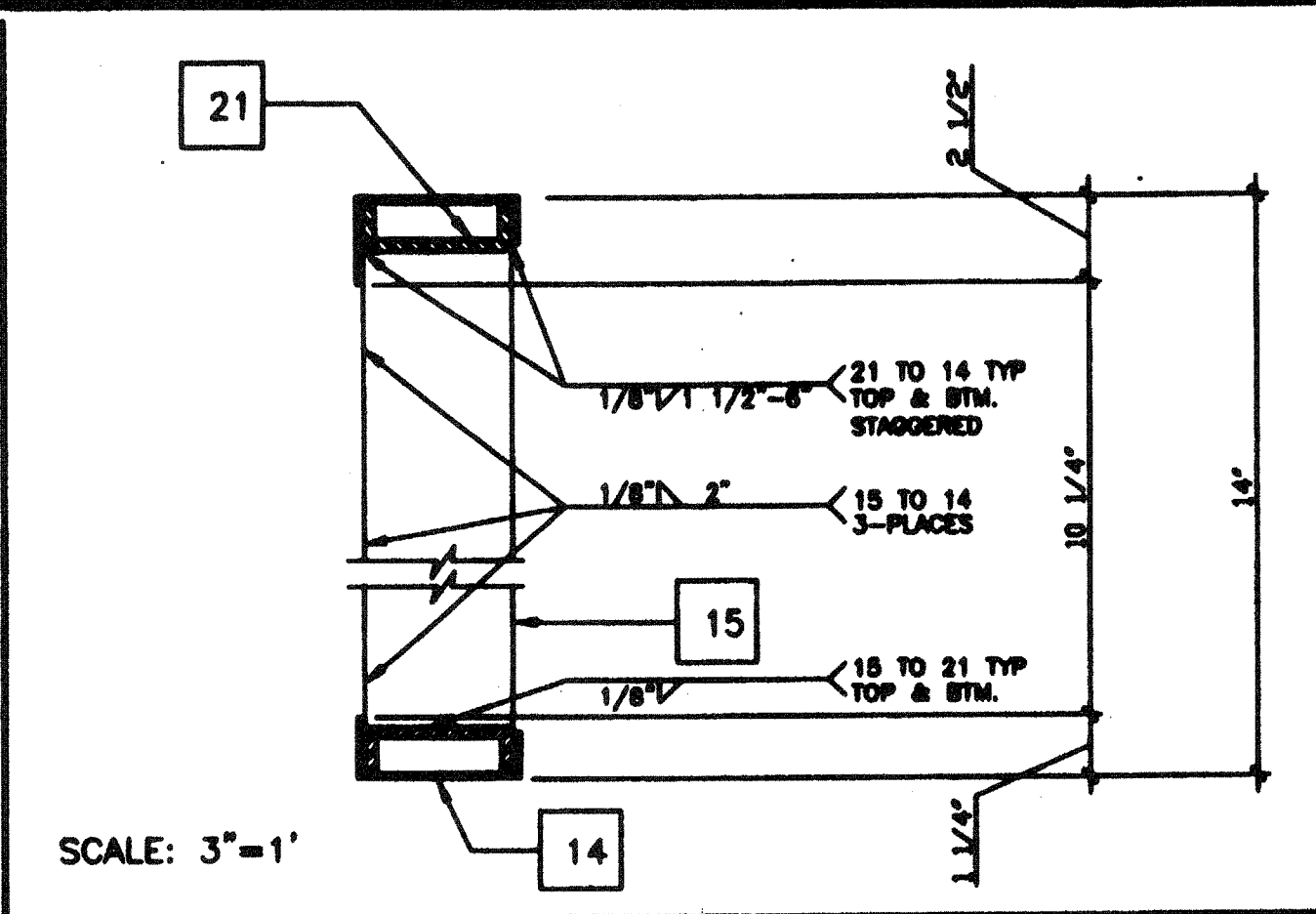
FLOOR FRAME/JOIST TO BEAM 6



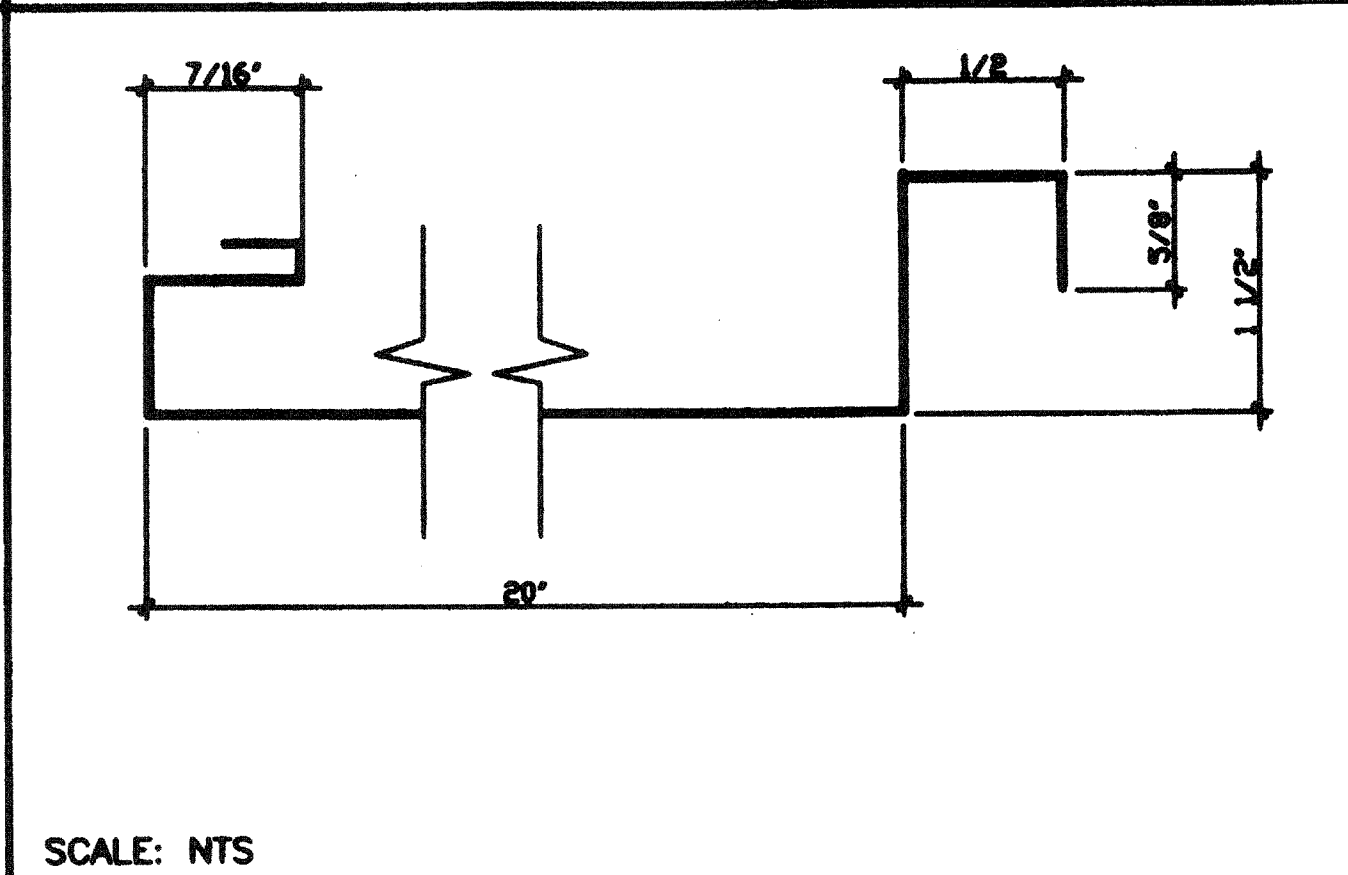
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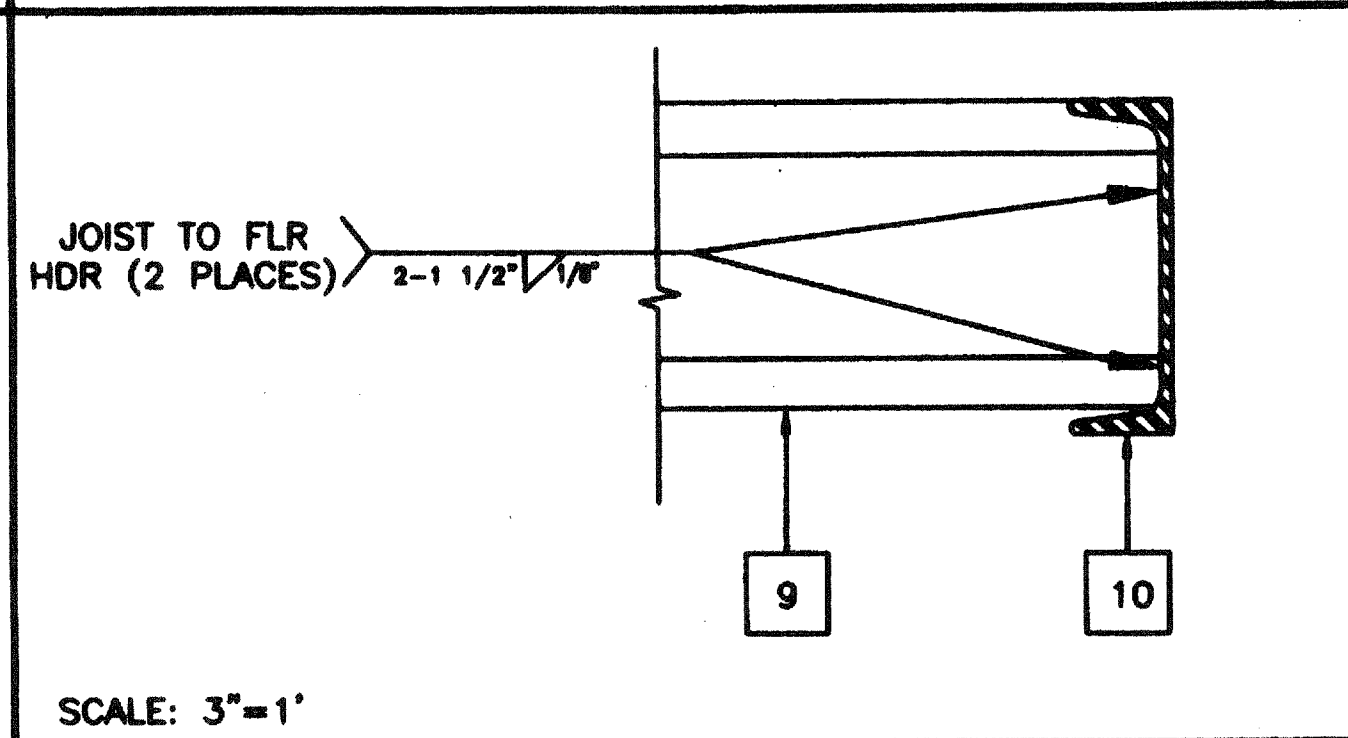
ELEVATION-OPENING 3



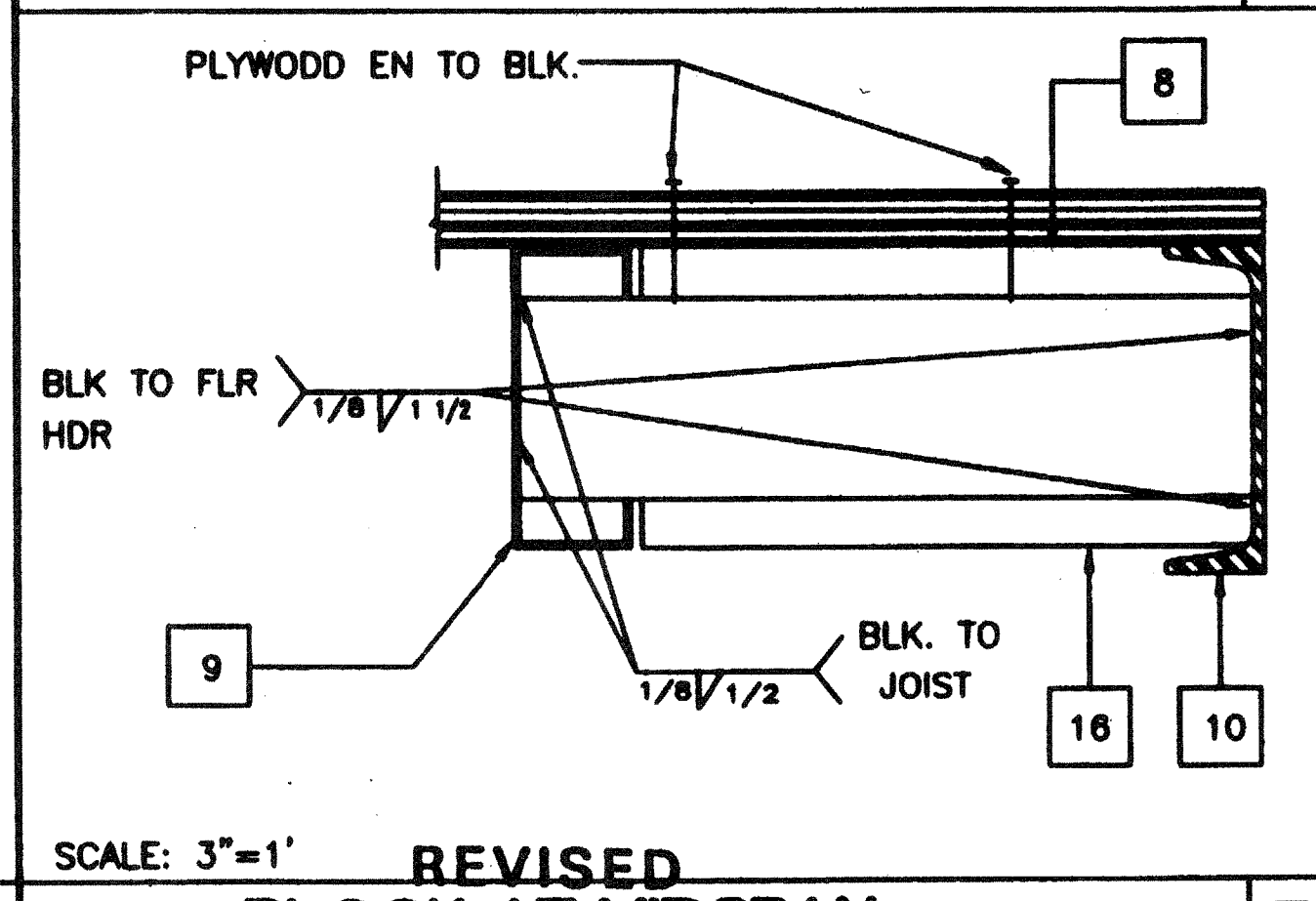
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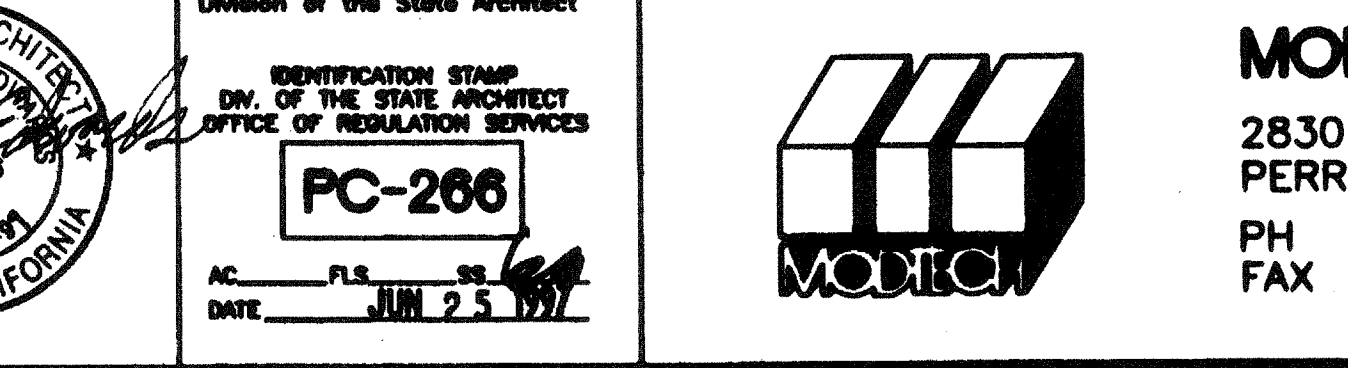
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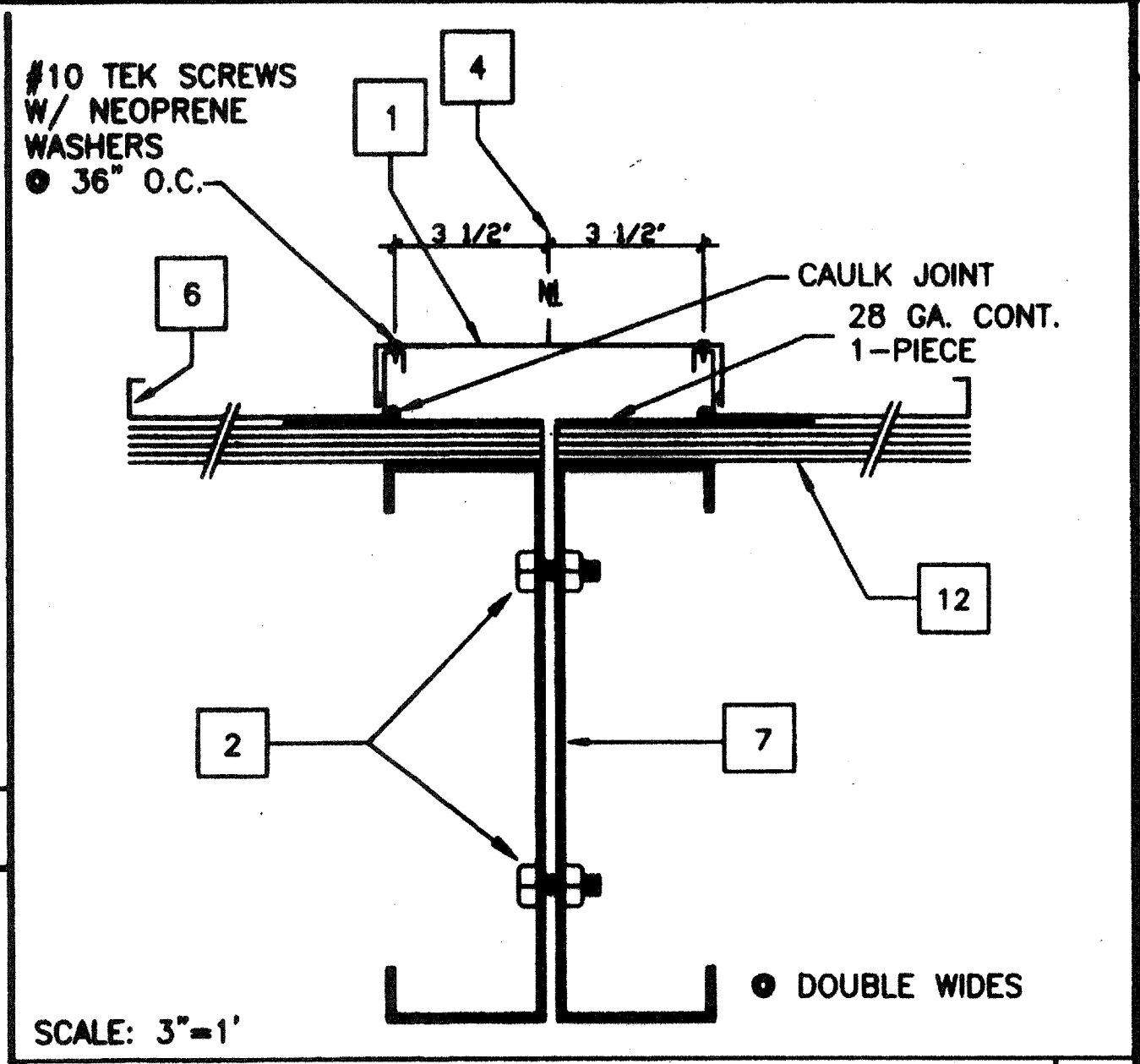
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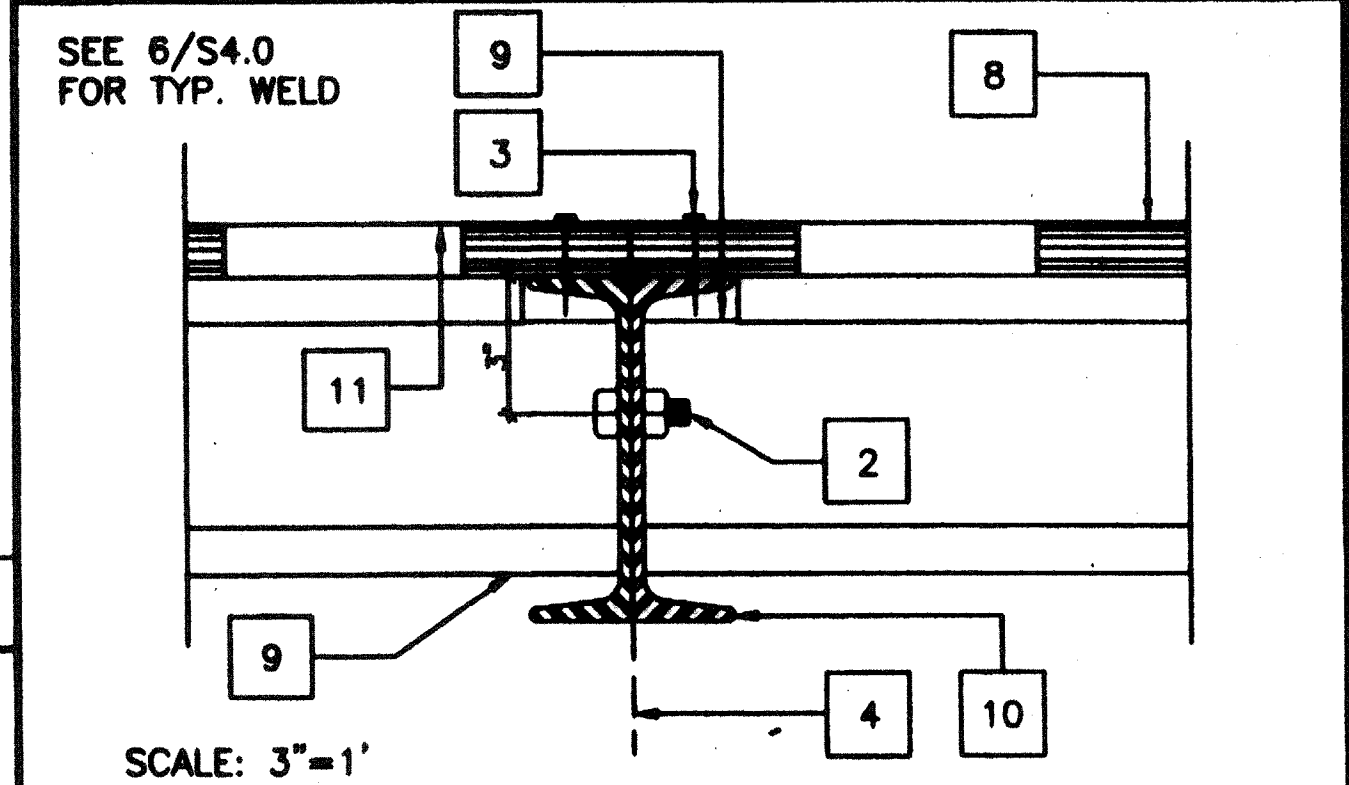
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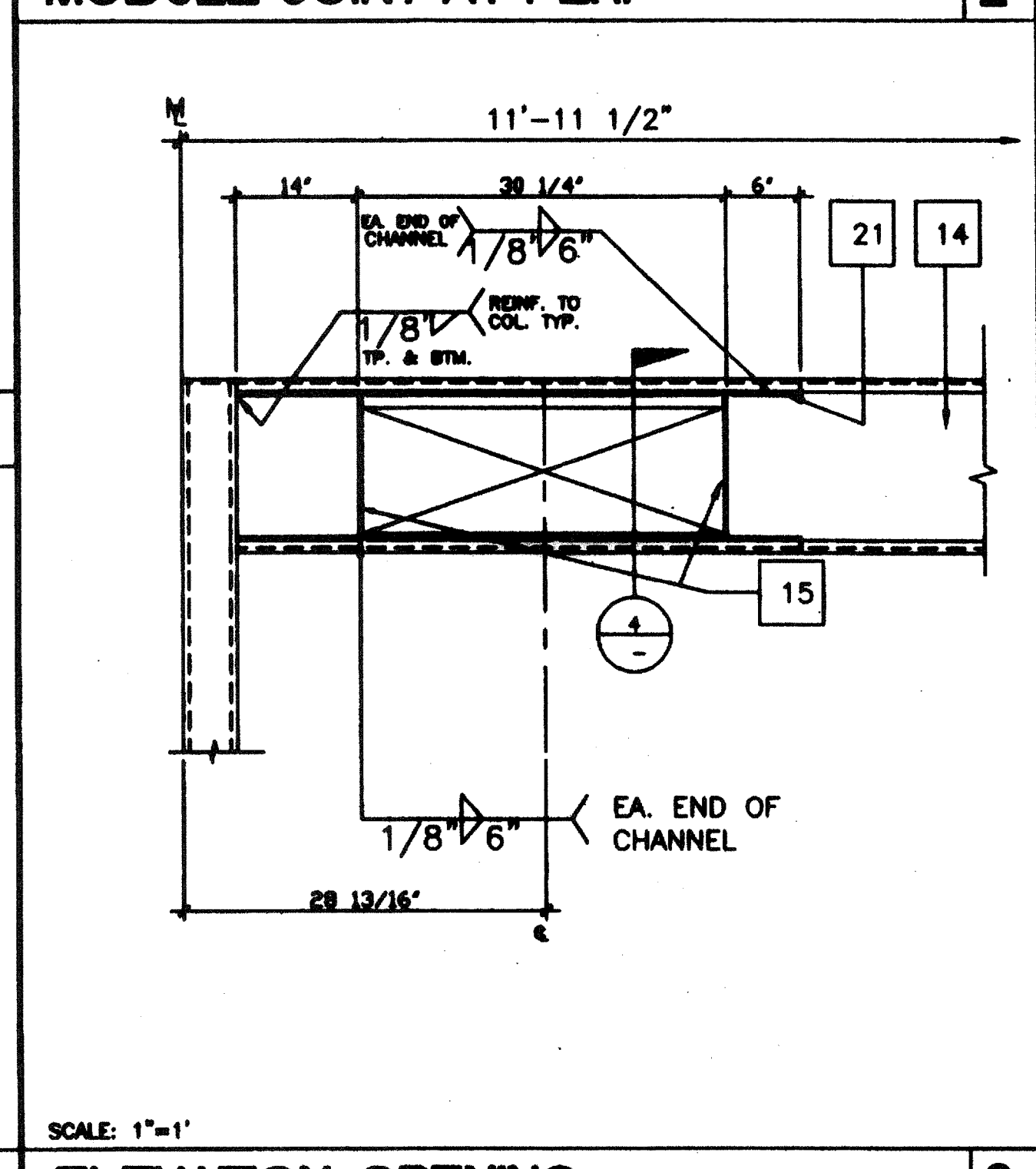
ELEVATION-OPENING 3



ROOFING AT MODLINE 1



MODULE JOINT AT FLR. 2



ELEVATION-OPENING 3

- KEY NOTES**
- CAP CLOSURE • RIDGE 26GA. GALV. W/#10 TYPE FASTENERS W/NEOPRENE WASHERS TO RIB BOTH SIDES OF MODLINE. SET CAP IN SEALANT SEE DETAIL-
 - 5/8" M.B. A307 MODULE JOINT (SEE STRUCTURAL PLAN FOR LOCATION) • 8" O.C.
 - E.N.
 - MODULE JOINT
 - NOT USED
 - STANDING ROOF SEAM (SEE A2.0)
 - ROOF BEAM (SEE STRUCTURAL) SEE 3/S3.1 & 12/S3.1
 - PLYWOOD FLOOR SHEATHING
 - FLOOR JOIST 6/S3.1
 - FLOOR BEAM (SEE STRUCTURAL 5/S3.1) **C7x9.8**
 - HAND HOLE • BOLT LOCATION
 - PLYWOOD ROOF SHEATHING
 - 3 1/2"x3 1/2"x1/4" STEEL TUBE COLUMN
 - ROOF HEADER (SEE STRUCTURAL 1/S3.1)
 - 1/4" STIFFENER PLANE SEE 9/S3.1 FOR TYP. WELD
 - "C" BLOCKING SEE 6/S3.1
 - 10GA. BACK-UP P.L.
 - NOT USED
 - NOT USED
 - 2"x2"x3/16" L
 - 3 1/4"x1"x45 11/16" LX10GA. CHANNEL TOP & BOTTOM CENTER OF OPENING
 - ROOF PURLIN SEE 2/S3.1
 - TUBE STEEL (SEE 11/S3.1) STIFFENER COPE TO FIT ROOF BEAM.
 - ROOF BEAM AT OVERHANG SEE 4/S3.1

STKP-37

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APPROX 110574
AC PLS SS
DATE SEP 23 2015

PROJECT NUMBER: 2900

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4012-083

drawn by: 2765
checked by: 2052
date: 2/20/98
project no: 2100
MODTECH Index No.

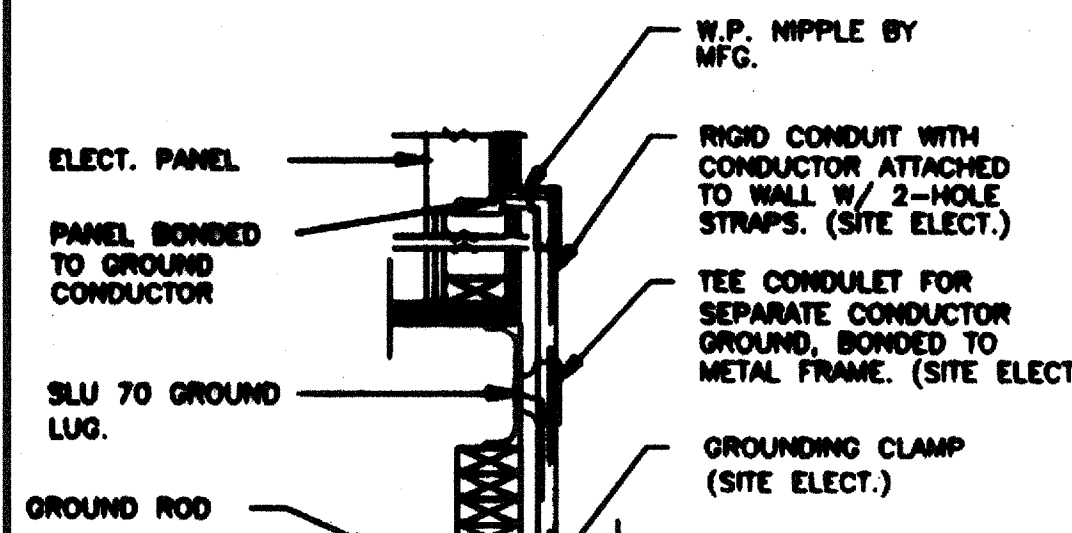
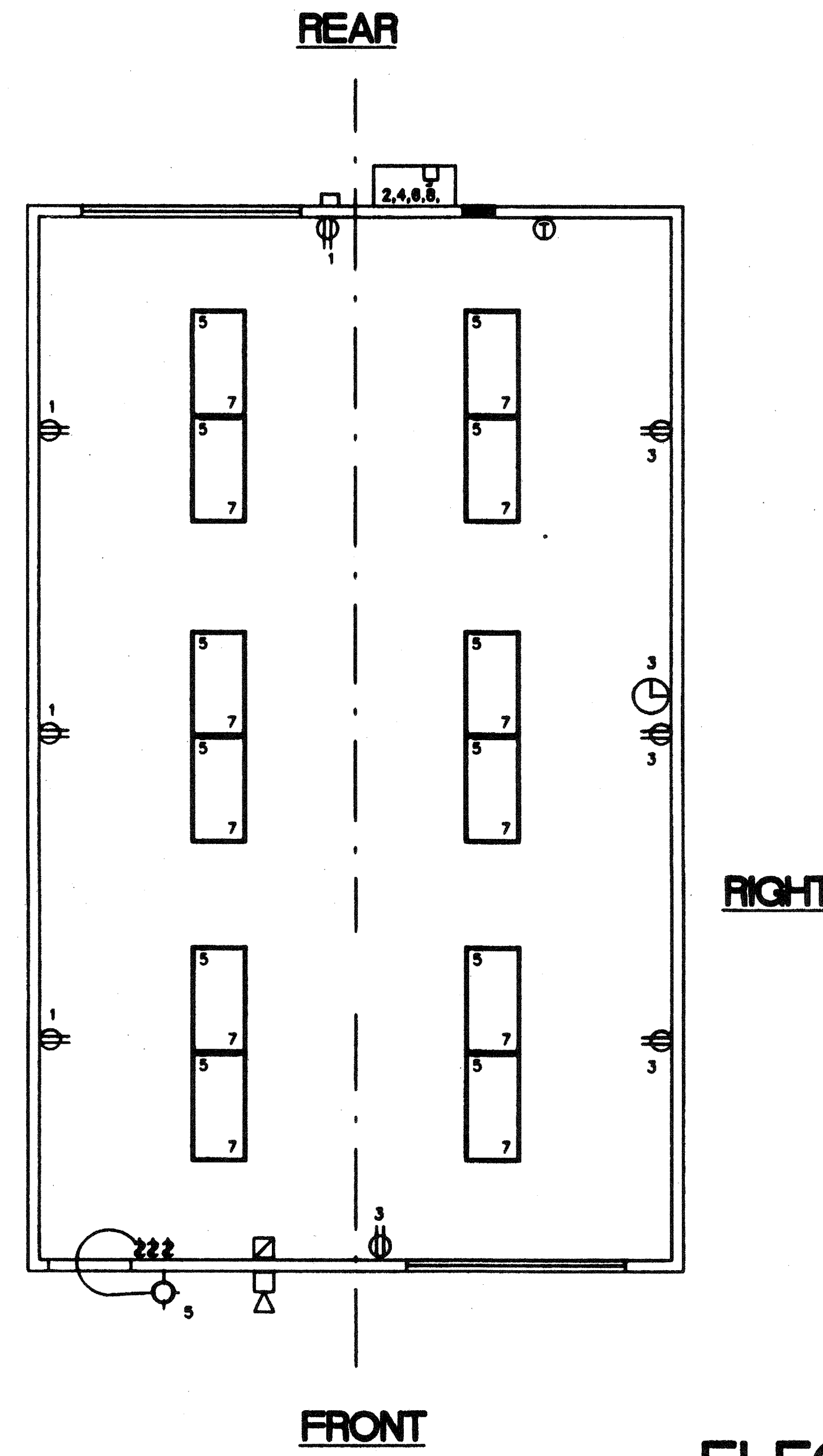
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FILE # P266 S4.0.DWG PROJECT NO. PC-266 2900

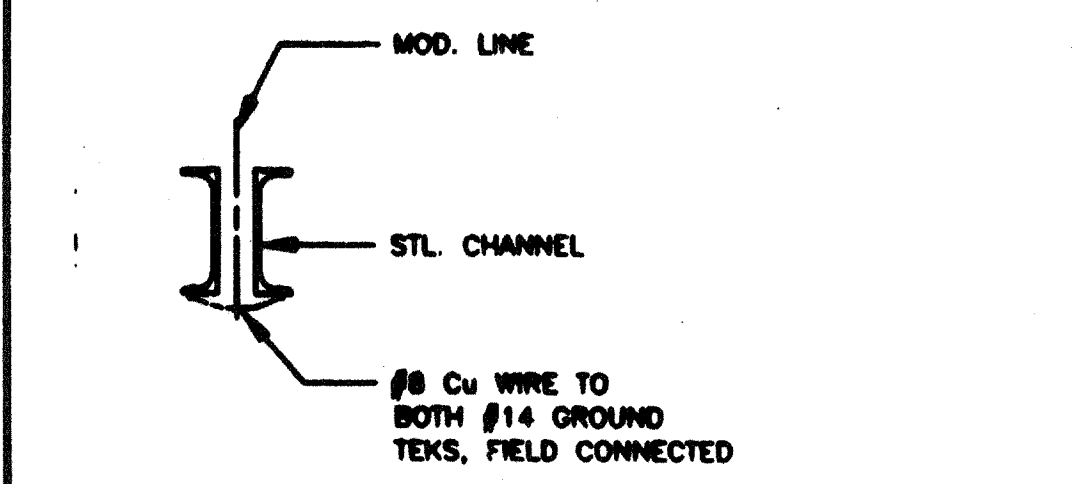
ELECTRICAL PANEL SCHEDULE													
MAIN 100 AMP		MOM 120M 100C SQ D		PANEL: A				FEED: BOTTOM					
				LOCATION: REAR				MOUNTING: FLUSH					
LOAD	QTY	WATTS		BREAKER		P		A		B			
		AV	BV	Amps	P	A	B	Amps	AV	BV	LOAD		
RECEPTACLE	(4)	720		20	1	1		2	2	50	2900	HVAC 3.5 (T)	
RECEPTACLE / CLOCK	(5)	900		20	1	3		4	-	-	2900	HVAC 3.5 (T)	
INT. / EXT. LIGHTS	(25)	876		20	1	5		6	2	30	2800	HVAC (HS)	
INTERIOR LIGHTS	(24)	816		20	1	7		8			2800	HVAC (HS)	
FA (DEDICATED)		40		-	-	9		10					
						11		12					
						13		14					
						15		16					
						17		18					
WATTS/PHASE		A = 7,036		1636		1716		540		5400		B = 7,116	
TOTAL		14,575		WATTS		61		AMPS		120/240		VOLTS	
NCL =		12,460		W								SINGLE #	
												THREE WIRE	

- ### GENERAL GROUNDING NOTES
- EACH BUILDING SHALL BE SEPARATELY GROUNDED 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 J, 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 +90" AFF
 - DUPLEX WALL RECEPTACLE 15-A 125-V 3-WIRE AT +18" AFF U.N.O.
 - THERMOSTAT. + 48" AFF (HV)
 - 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 STUB IN ATTIC. PULLSTRING.
 - (6x6x4) WEATHER PROOF GUTTER BOX + 18" AFF 3/4" CO STUB IN ATTIC. PULLSTRING.
 - ELECTRICAL PANEL. + 60" AFF (E)
 - SWITCH +48" A.F.F.
 - CLOCK. + 96" AFF

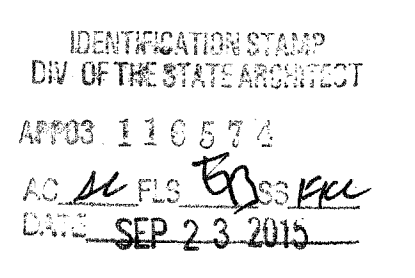
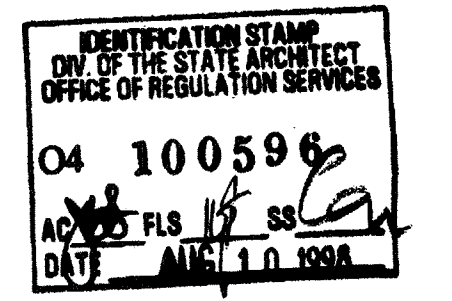


TYP GROUNDING DETAIL 1



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 2312 (a) AND TABLE 23-P. 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 FLOOR 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 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	Architect's Seal	Division of the State Architect

REVISED

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 2900

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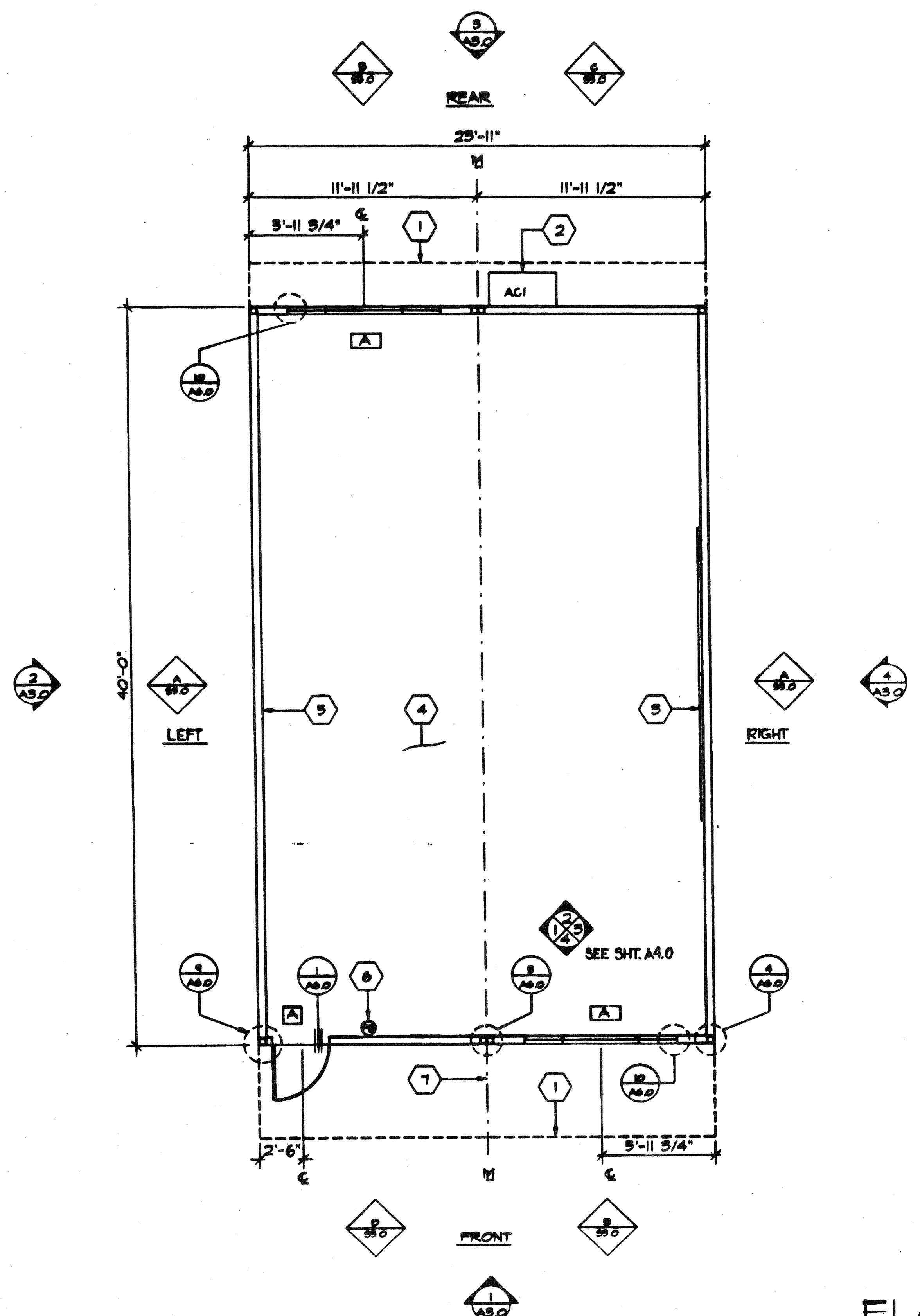
ELECTRICAL PLAN

STKP-37

drawn by: PLS
checked by: PLS
project no: 2900
MODTECH Index No. 2854

E1.0

FILE # P266T0.DWG PROJECT NO. PC-266



FLOOR PLAN

SCALE 1/4"=1'-0"

KEY NOTES	
1	ROOF OVERHANG
2	HVAC UNIT [HV]
3	2- 8'X4' MARKER BOARDS (SEE SPEC'S. FOR TYPE)
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. RATINGS ON WALL MTD. BRACKET AT 48" A.F.F.
7	MODLINE (M TYPICAL)

GENERAL NOTES

- METAL TAG ON ALL MODULES, MECHANICALLY ATTACHED TO REAR EXTERIOR OF BUILDING SHOWING DSA APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER AND ROOF & FLOOR DESIGN LIVE LOAD.
- INSULATION MATERIALS INSTALLED WITHIN FLOOR, CEILING AND ROOF-CEILING ASSEMBLIES SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450. EXCEPTIONS: 1. FOAM PLASTIC INSULATION SHALL COMPLY WITH SEC. 107.2. 2. INSULATION 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. 107.5 CBC).

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DATE SEP-2-3-2015

CLLS.033 4012-074

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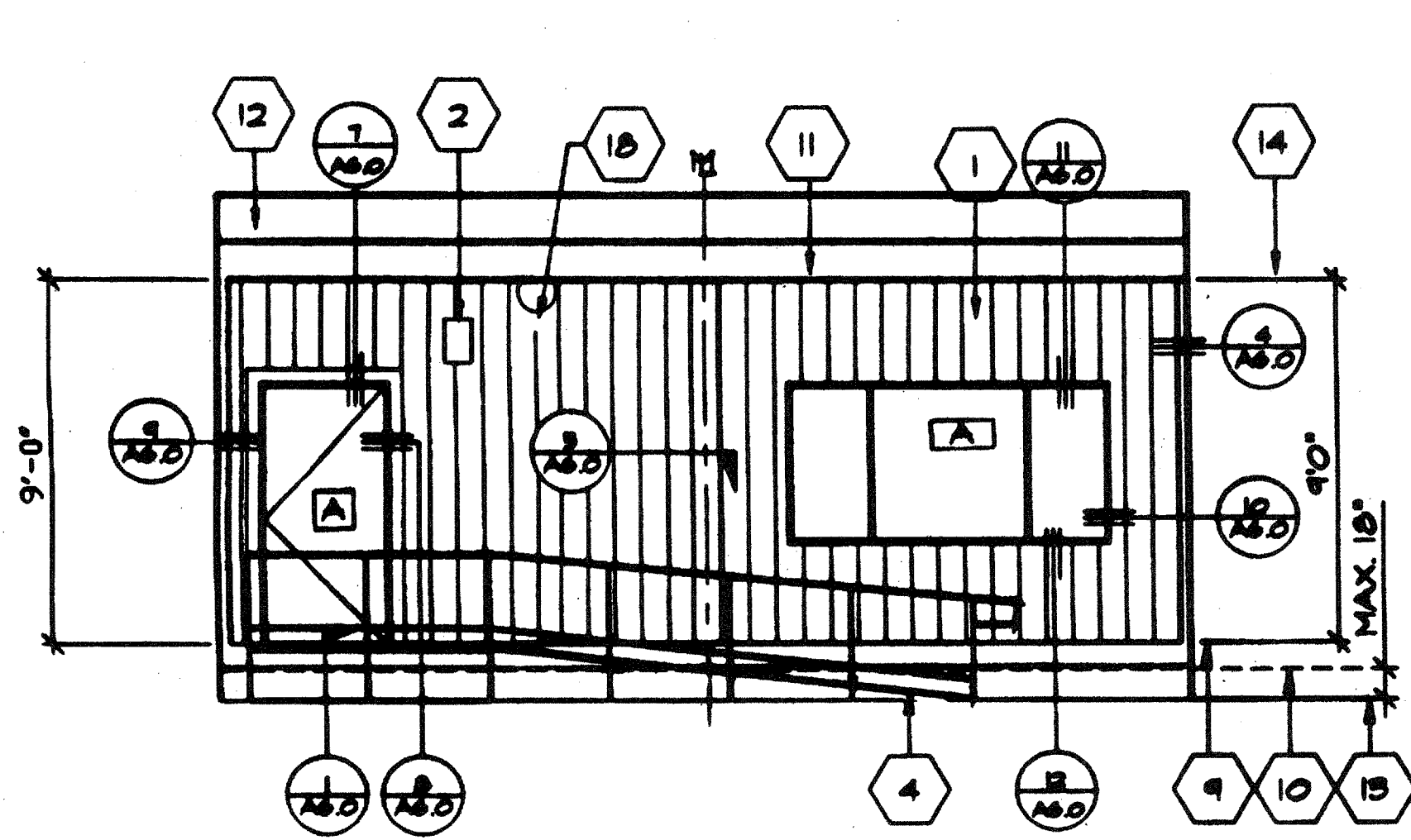
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FERRIS, CA. 92512
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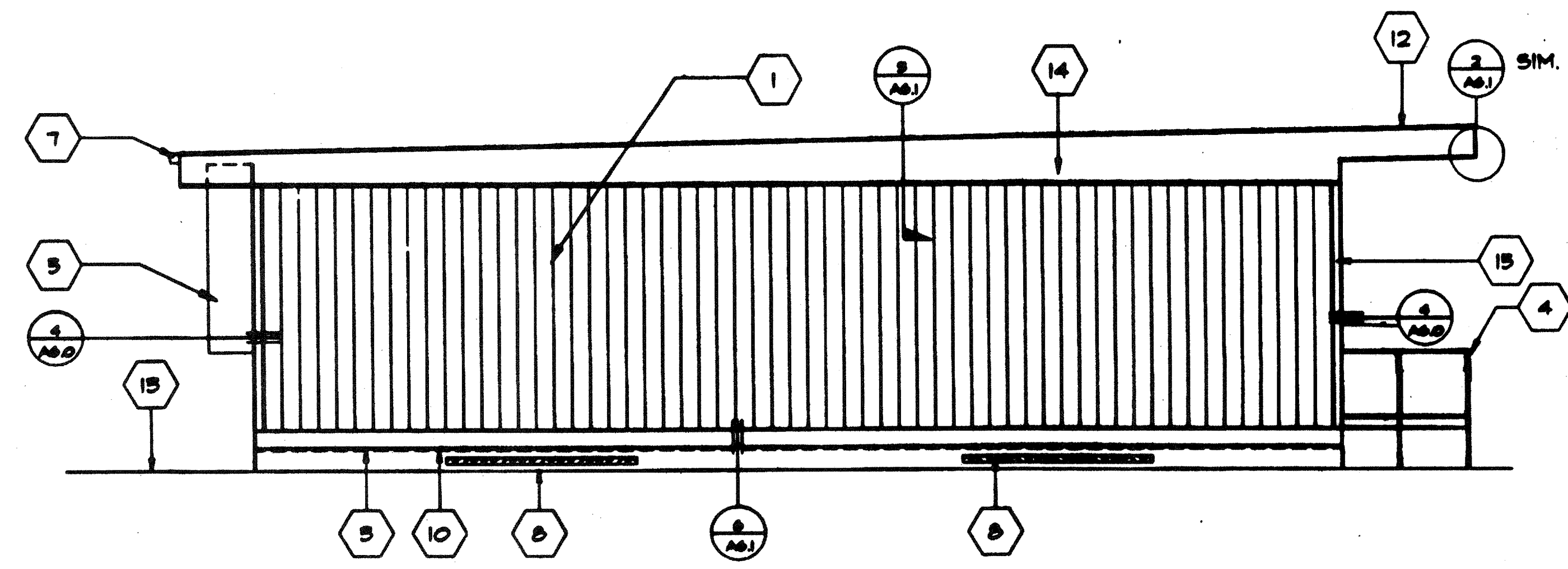
DRAWN BY RN
DATE 2/17/96
CHECKED BY
DATE

FLOOR PLAN A1.0



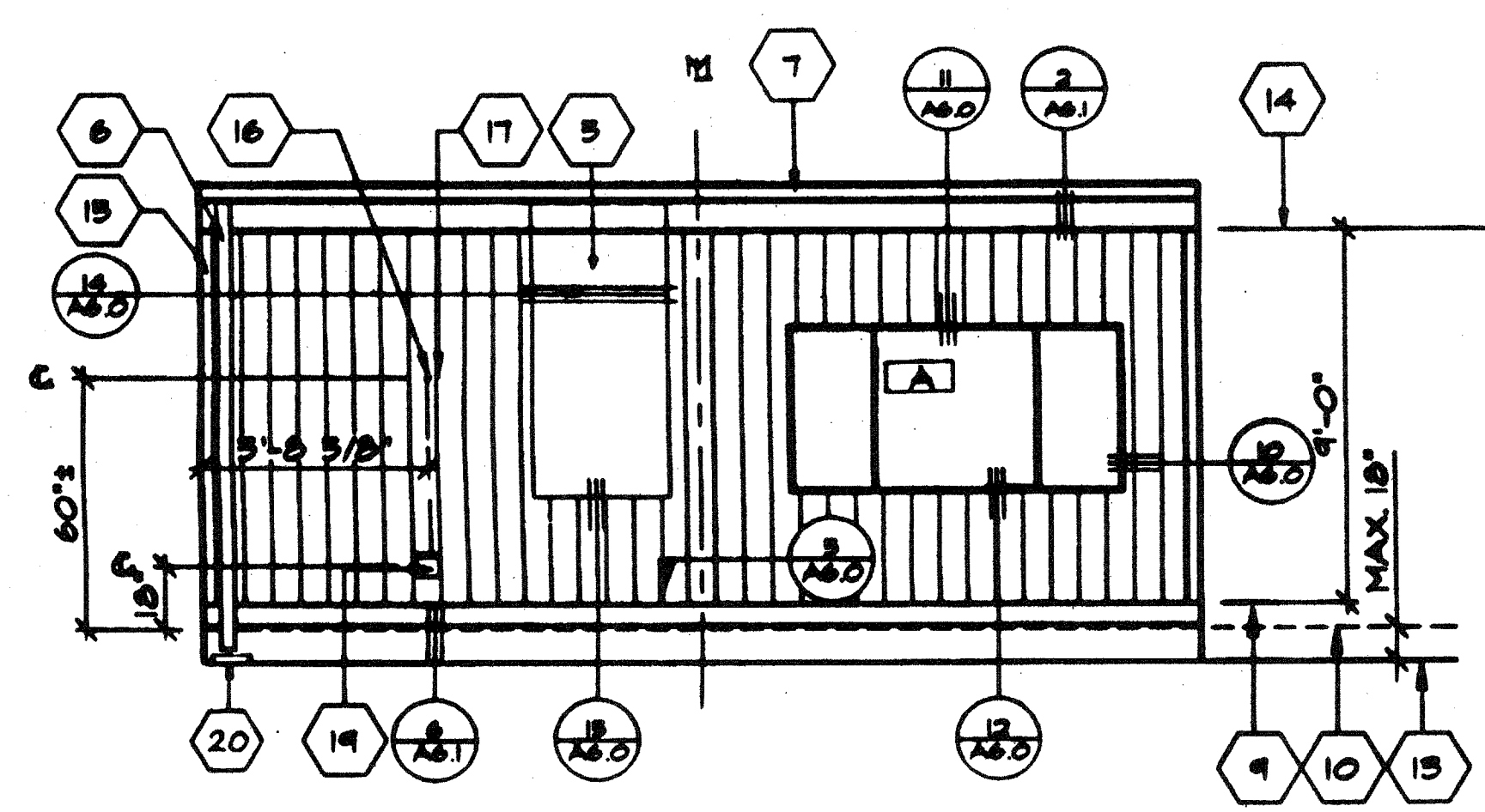
① FRONT ELEVATION

SCALE 1/4"=1'-0"



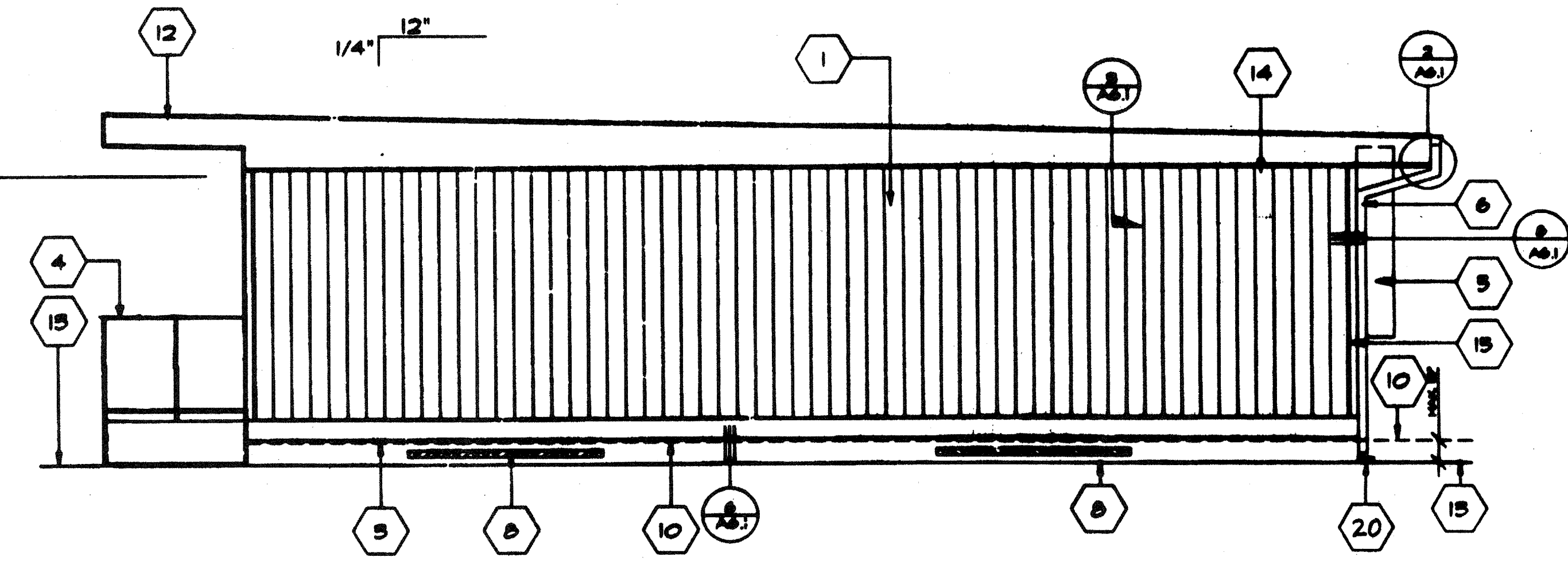
② SIDE ELEVATION (LEFT)

SCALE 1/4"=1'-0"



③ REAR ELEVATION

SCALE 1/4"=1'-0"



④ SIDE ELEVATION (RIGHT)

SCALE 1/4"=1'-0"

KEY NOTES

- ① TYPICAL EXTERIOR SIDING (SEE SECS)
- ② EXTERIOR LIGHT FIXTURE OVER DOOR (SEE SPECIFICATIONS)
- ③ TOP OF SKIRTING
- ④ RAMP AND LANDINGS SEE SHT. R-1
- ⑤ HVAC UNIT [HV]
- ⑥ DOWNSPOUT (TYP.) ONE FASTEN TO BLDG. TYP. 2 PLACES (SEE 5/A6.1)
- ⑦ CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOW ON ROOF PLAN A2.0) SEE 9/A6.1
- ⑧ VENT-SEE FOUNDATION DETAILS 5/FA.1
- ⑨ FINISH FLOOR LINE
- ⑩ BOTTOM FLANG OF FLOOR BEAM
- ⑪ ROOF HEADER
- ⑫ ROOF OVERHANG
- ⑬ FINISH GRADE
- ⑭ ROOF BEAM [ST]
- ⑮ COLUMN [ST]
- ⑯ ELECTRICAL STUB-OUT 1 1/2"Ø (TYPICAL)
- ⑰ GROUND STUB-OUT 3/4"Ø (TYPICAL)
- ⑱ FIRE ALARM HORN. [EL]
- ⑲ NEMA 6"X6" GUTTER BOX. [EL]
- ⑳ SPLASH BLOCK (BY OTHERS)

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DIV. OF THE STATE ARCHITECT
APPROX 116574
AC 11/15/15
DATE SEP 23 2015

(MONO SLOPE)
SCALE 1/4"=1'-0"

CLLS. 033 4012-074

REVISIONS

ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT

MODTECH INC.
2830 BARRETT AVE.
PERRIS, CA. 92572
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JOB NO # 2510 #2514 #2515

DATE 2/7/96

CREATED BY

DATE

EXTERIOR ELEVATIONS

AA3.0

REVISIONS	BY

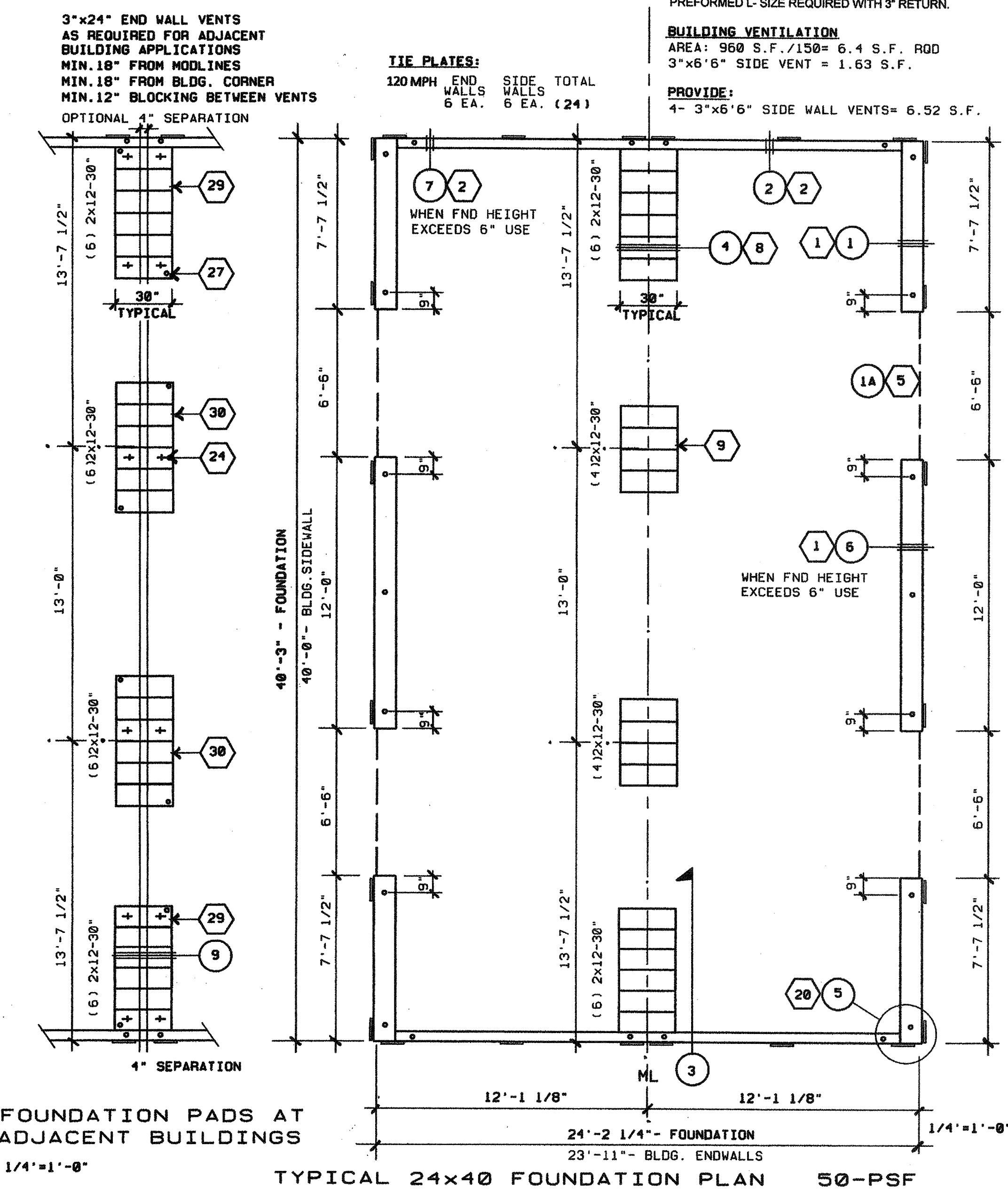
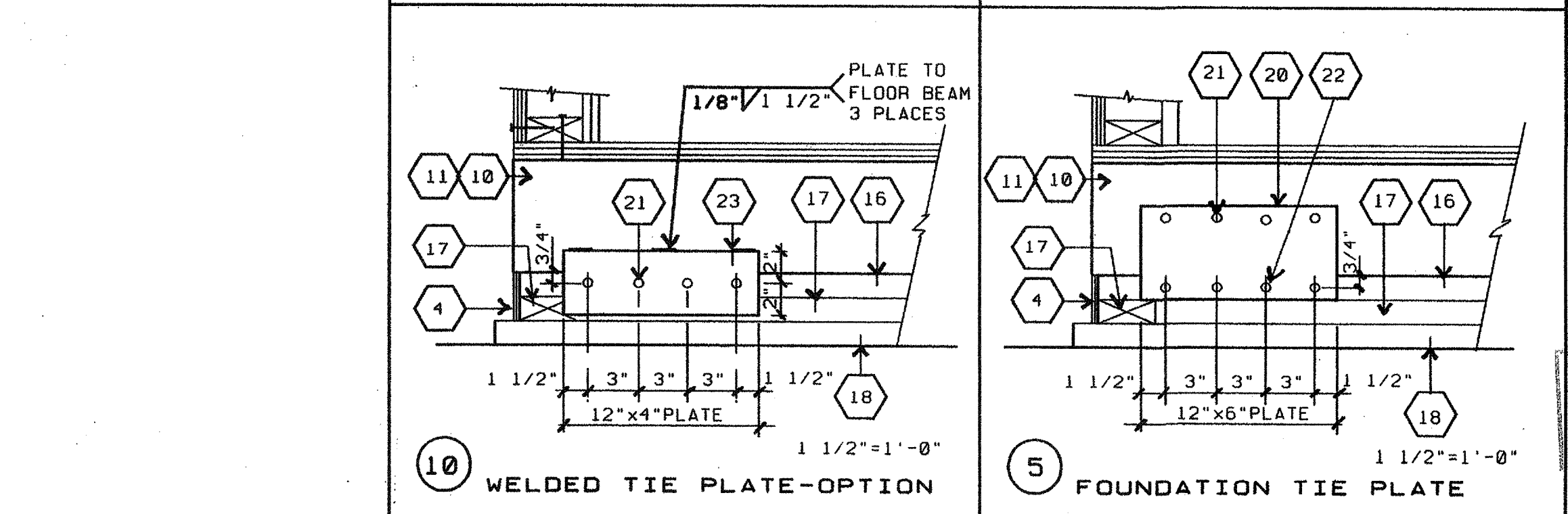
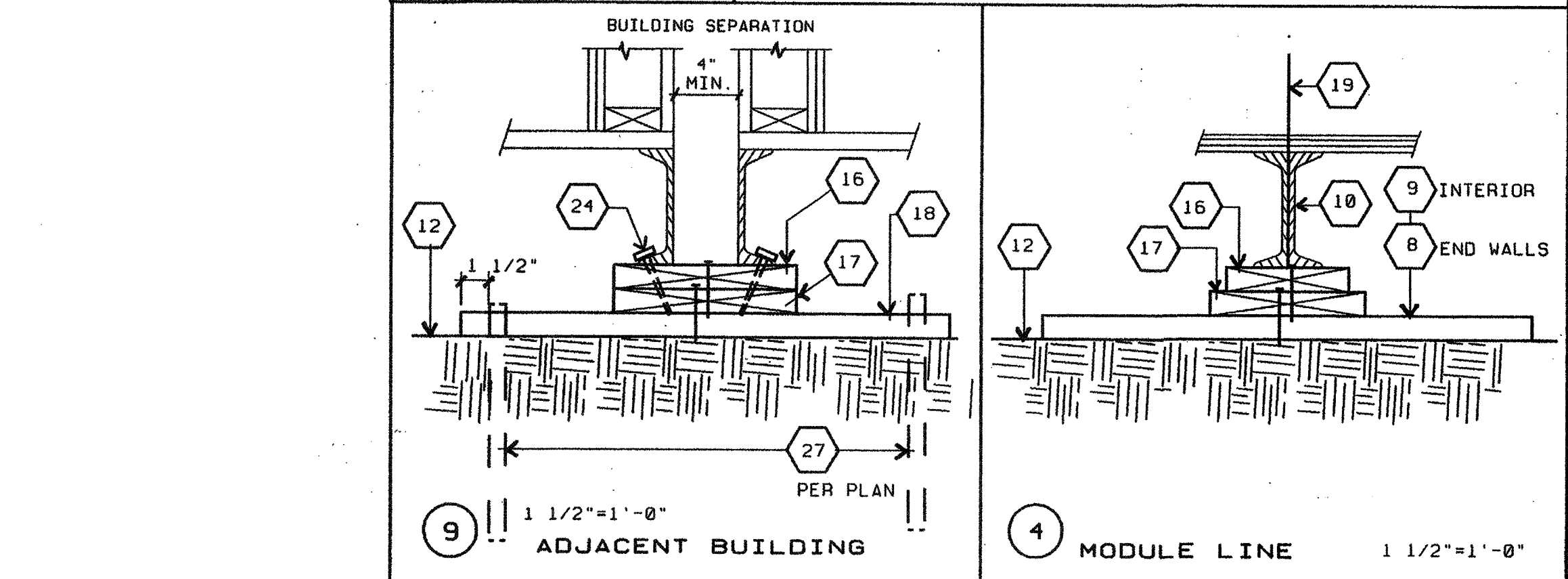
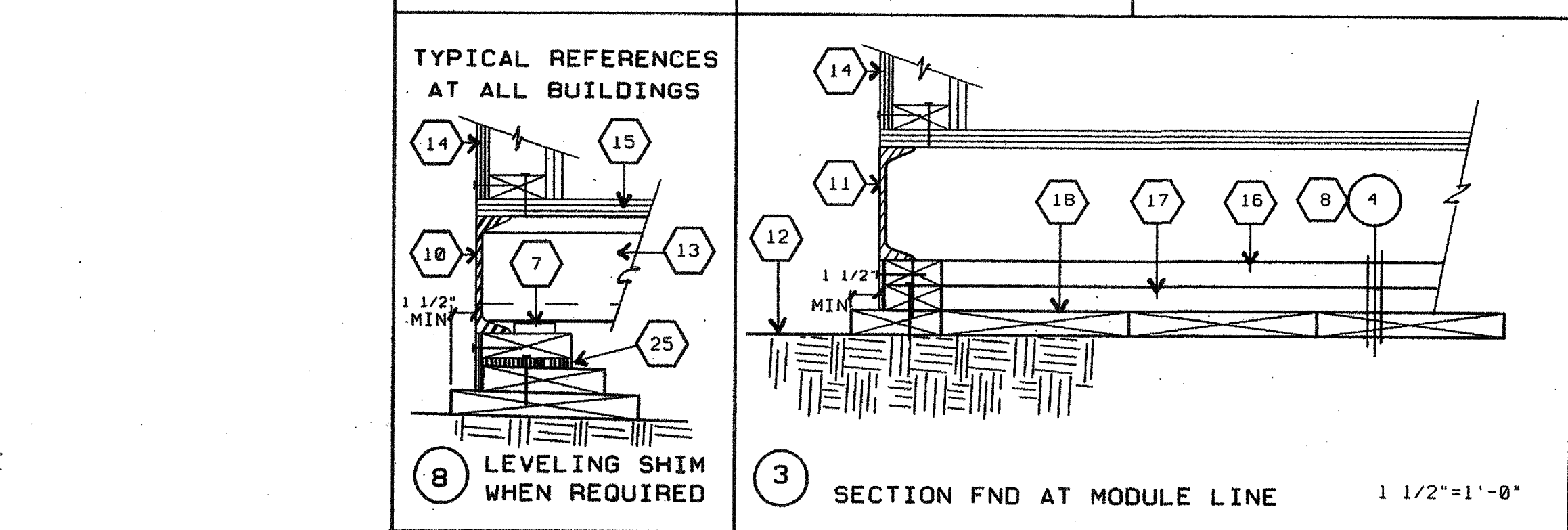
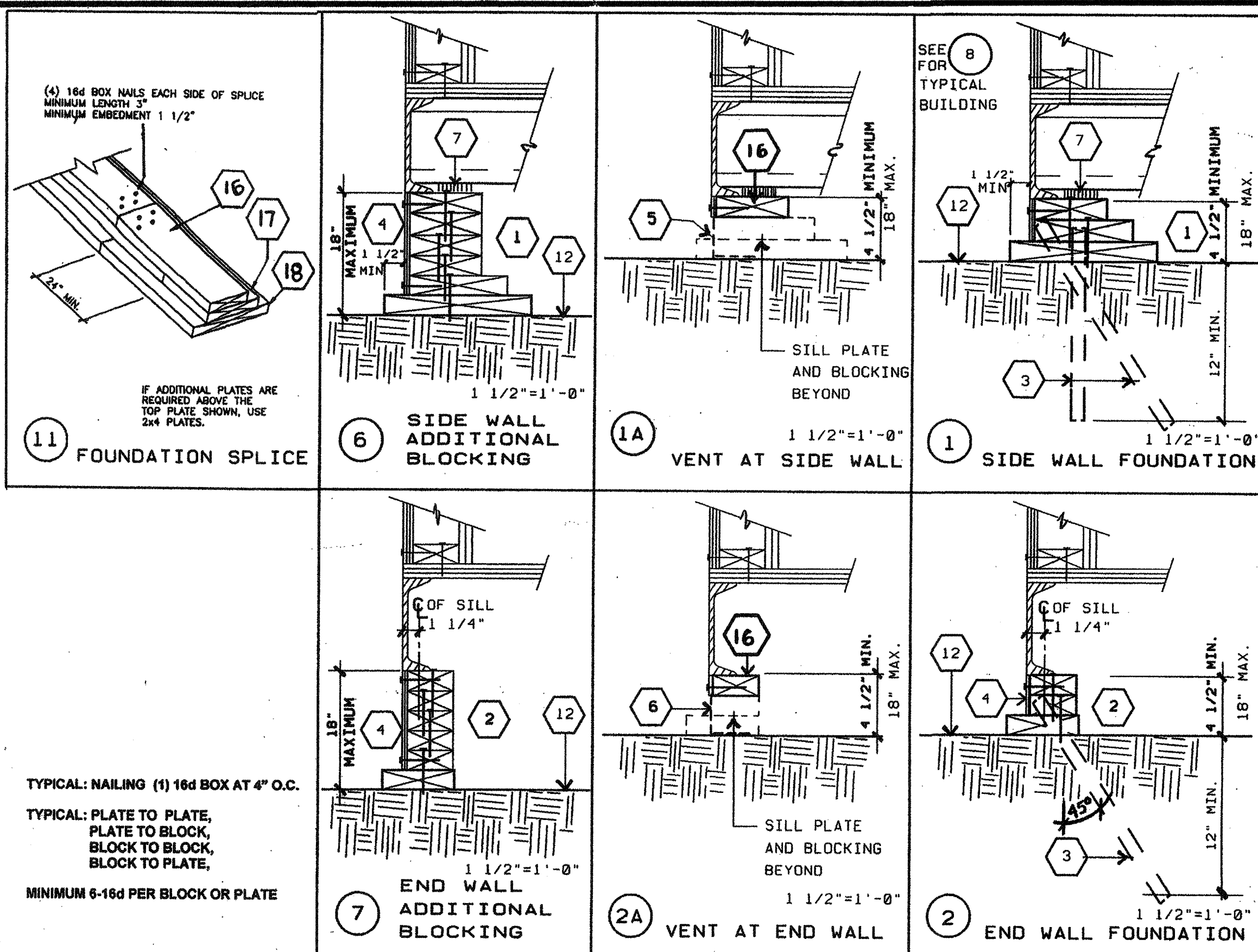


Class Leasing, LLC
 1221 Harley Knox Blvd., Perris, CA 92571-7408
 VOICE (951)943-1908 FAX (951)943-5768

CLASS LEASING, INC.
 STOCKPILE CLASSROOM
 24x40 - 50 PSF RELOCATION
 FOUNDATION PLAN & DETAILS

DATE	09-29-2014
SCALE	
DRAWN	LAM-CLLS
JOB	24x40 50 PSF
SHEET	F2.0

- KEY NOTES 24x40- 50 PSF FLOOR LOAD**
- FOUNDATION AT SIDE WALL**
- TOP PLATE: 2x6 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW. BLOCKING: 2x6 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW. SILL PLATE: 2x12 (PT) WITH SILL RESTRAINT PER GENERAL NOTE #A.
 - TOP PLATE: 2x4 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW. BLOCKING: 2x4 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW. SILL PLATE: 2x6 (PT) WITH SILL RESTRAINT PER GENERAL NOTE #A.
 - SILL RESTRAINT- PIPE TO GRADE (TYP) SEE GENERAL NOTE #A
 - SKIRTING: 3/8" PLYWOOD, ATTACH WITH 10d NAILS, EDGE NAILING 4" O.C. AT END WALLS AND 6" O.C. AT SIDE WALLS. FIELD NAILING 12" OC
 - SIDEWALL VENT: 3" HIGH BY 6'-6" LONG. INSTALL UNDER SKIRTING. SKIRTING ATTACH WITH 10d NAILS, EDGE NAILING 6" O.C.
 - ENDWALL VENT: 3" HIGH BY 2'-0" LONG. INSTALL UNDER SKIRTING. SKIRTING ATTACH WITH 10d NAILS, EDGE NAILING 4" O.C.
 - SHIM: 5/8" X 2 1/2" WHEN REQUIRED
- FOUNDATION AT END WALL**
- TOP PLATE: 2x6 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW. BLOCKING: 2x10 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW. SILL PLATE: (6) 2x12x30' (PT)
- FOUNDATION AT MOD LINE / END WALL**
- TOP PLATE: 2x6 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW. BLOCKING: 2x10 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW. SILL PLATE: (4) 2x12x30' (PT)
- FOUNDATION AT MOD LINE / INTERIOR WALL**
- FLOOR BEAM: C7x 9.8 TYPICAL
 - FLOOR HEADER: C7x 9.8 TYPICAL
 - FINISH GRADE
 - FLOOR JOIST
 - EXTERIOR FINISH
 - PLYWOOD SUB-FLOOR
 - TOP PLATE: CONTINUOUS
 - BLOCKING
 - SILL PLATE
 - MODLINE



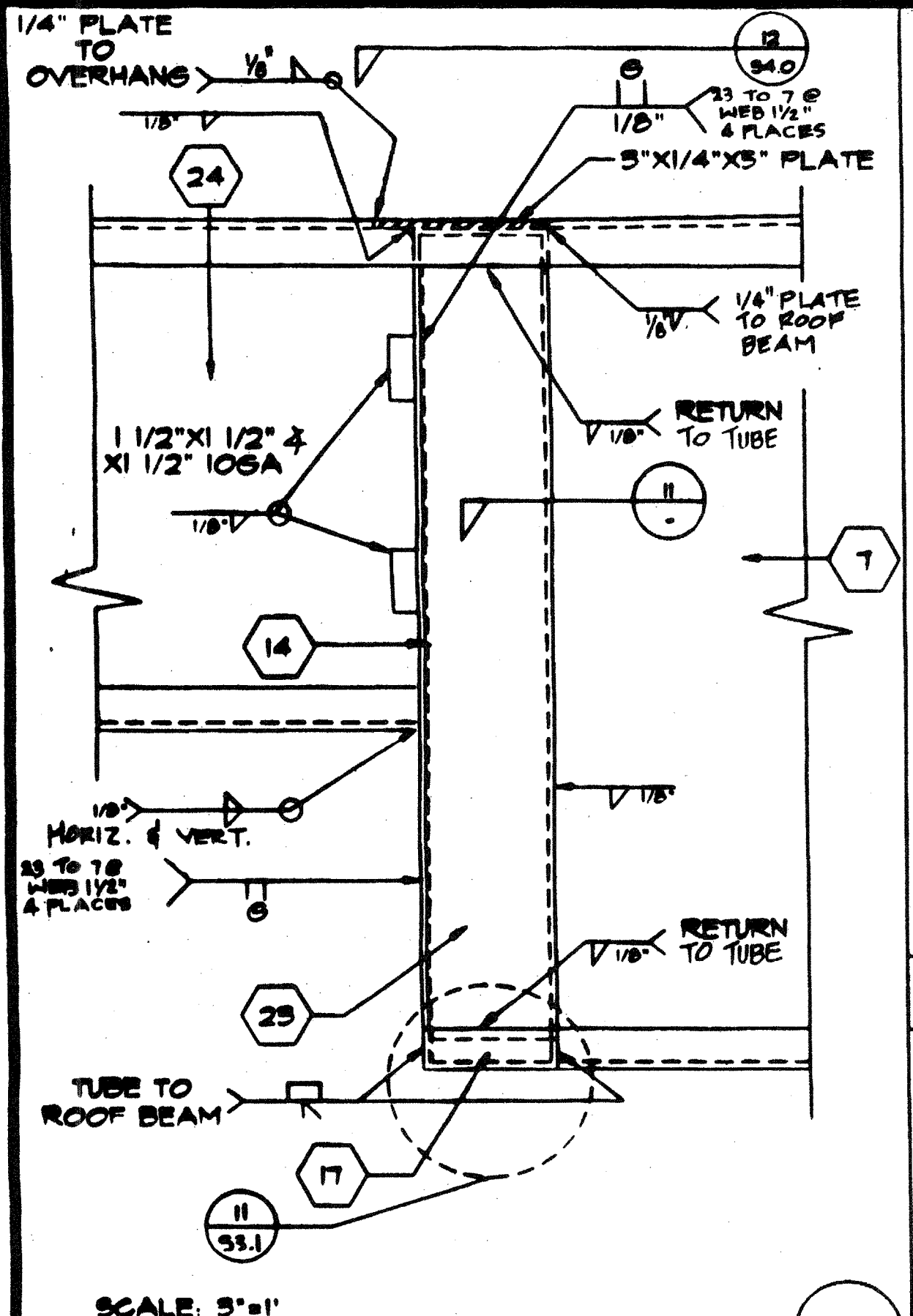
DATE SIGNED
 SEP 30 2014

IDENTIFICATION STAMP
 DW OF THE STATE ARCHITECT
 LICENSE EXPIRES 6-30-2016
 APPROX 116574
 AC. FLS. 09. SS. PULL
 DATE SEP 29 2014

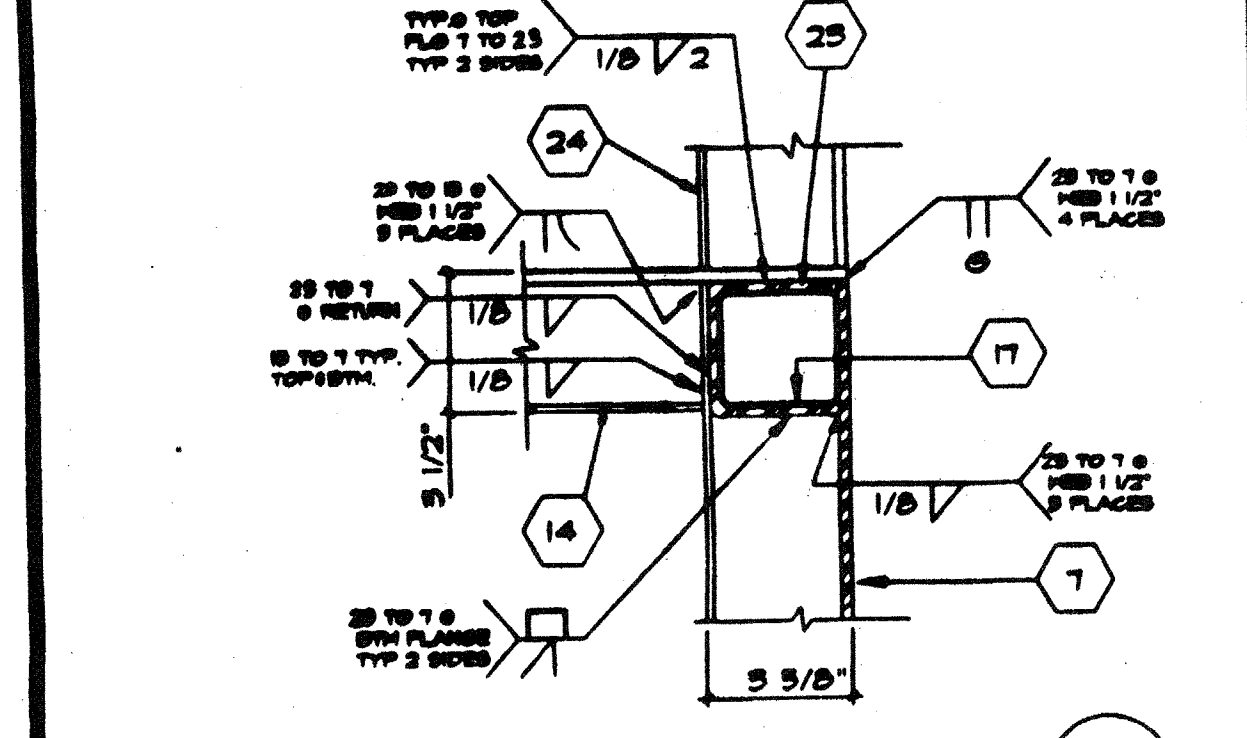
PRE-CHECK (PC) DOCUMENT
 CODE: 2013 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 PC 04-113776
 AC. FLS. 09. SS. PULL
 DATE OCT 08 2014

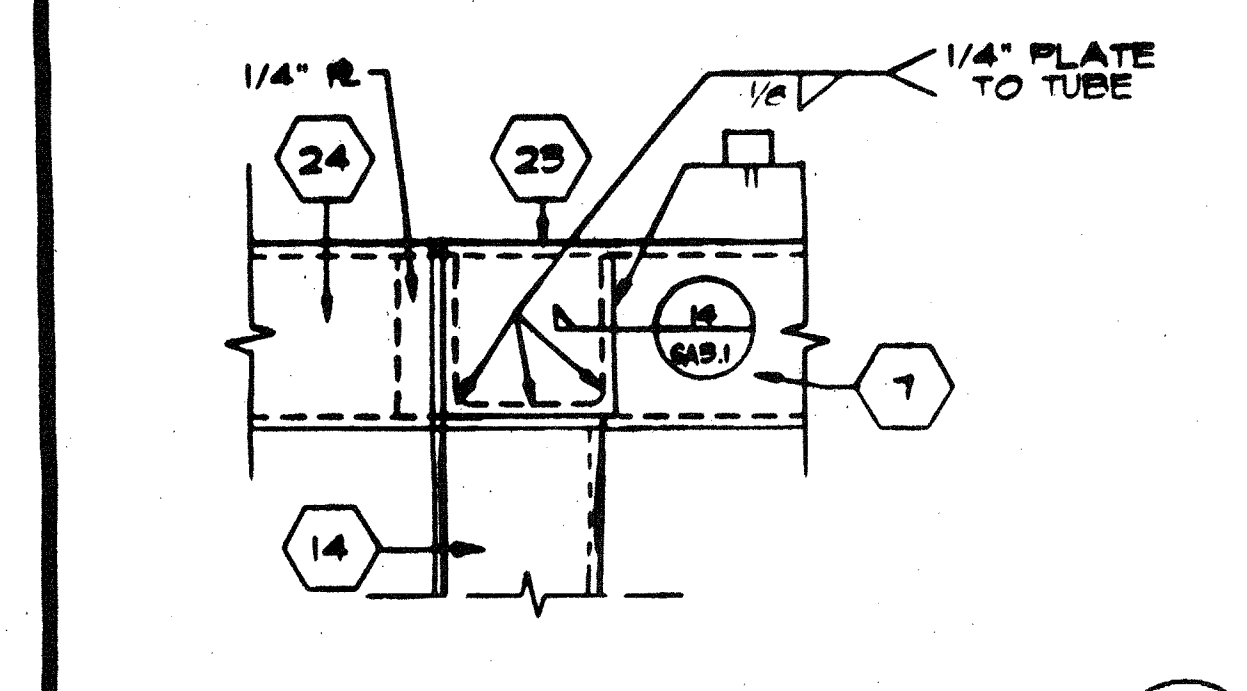
24x40 - 50 PSF STOCKPILE CLASSROOM RELOCATION FOUNDATION PLAN & DETAILS



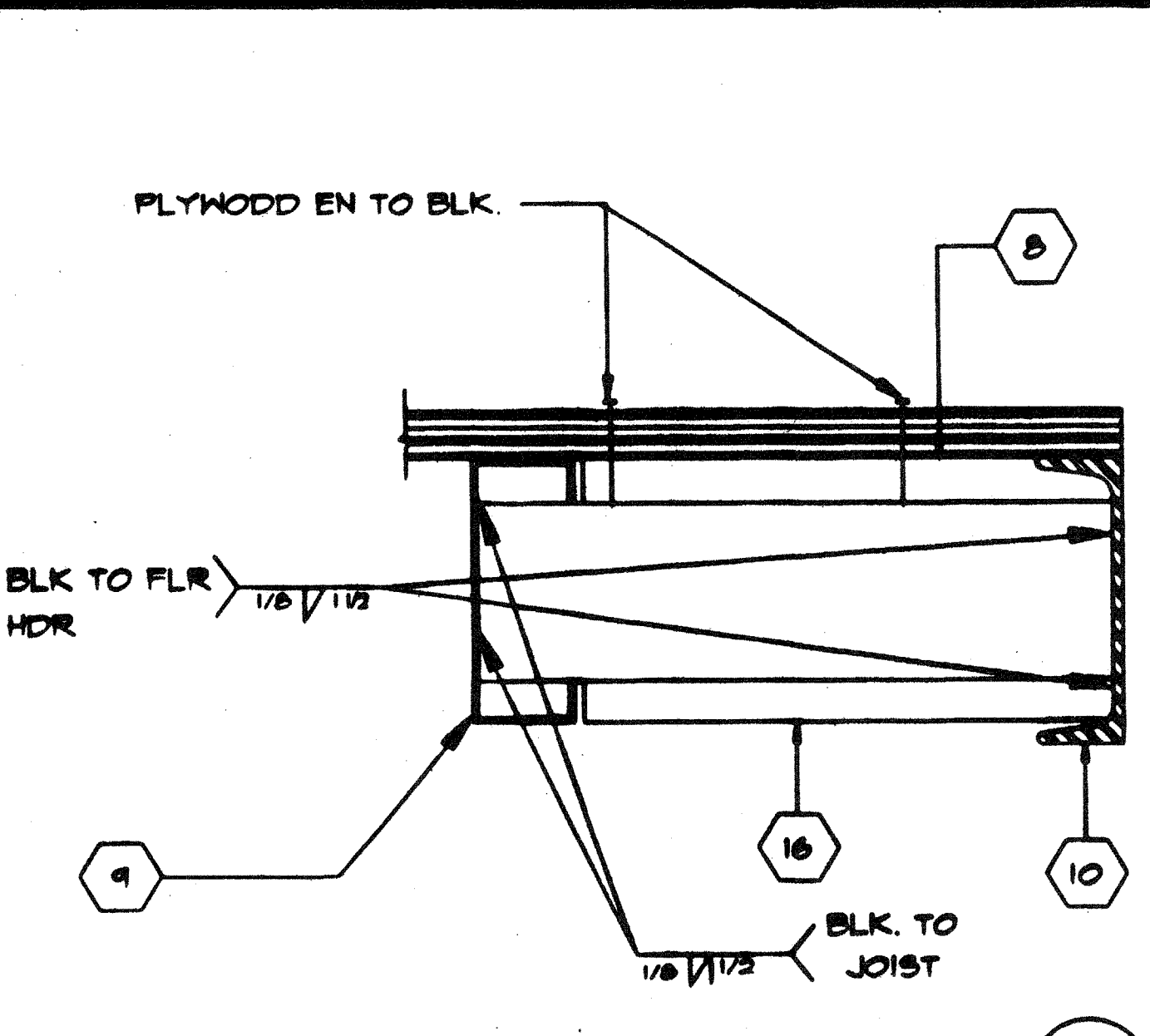
SCALE: 5"=1'
ROOF HEADER @ FRONT OVERHANG 10



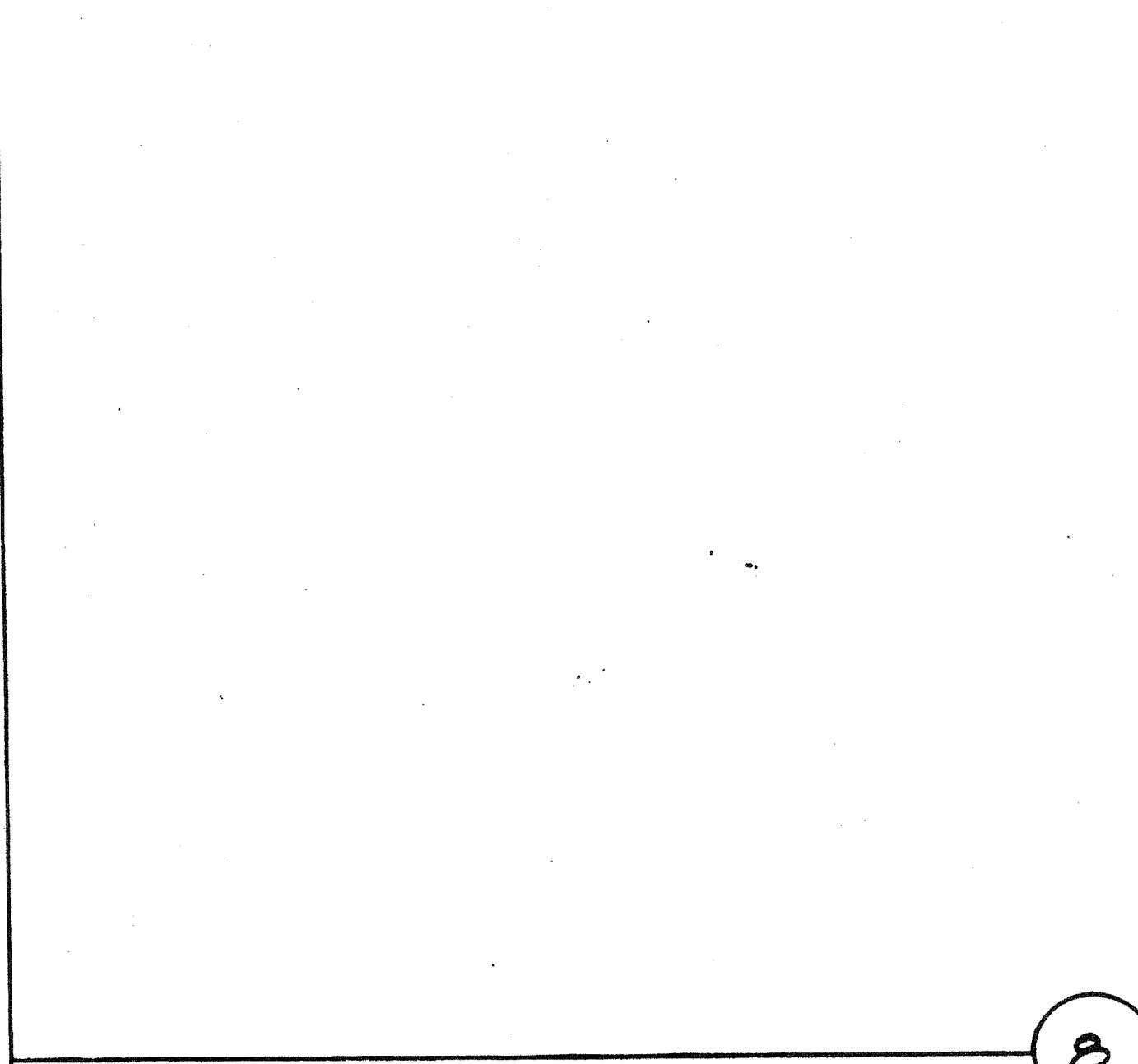
SCALE: NTS
STIFFENER SECTION @ FRONT 11



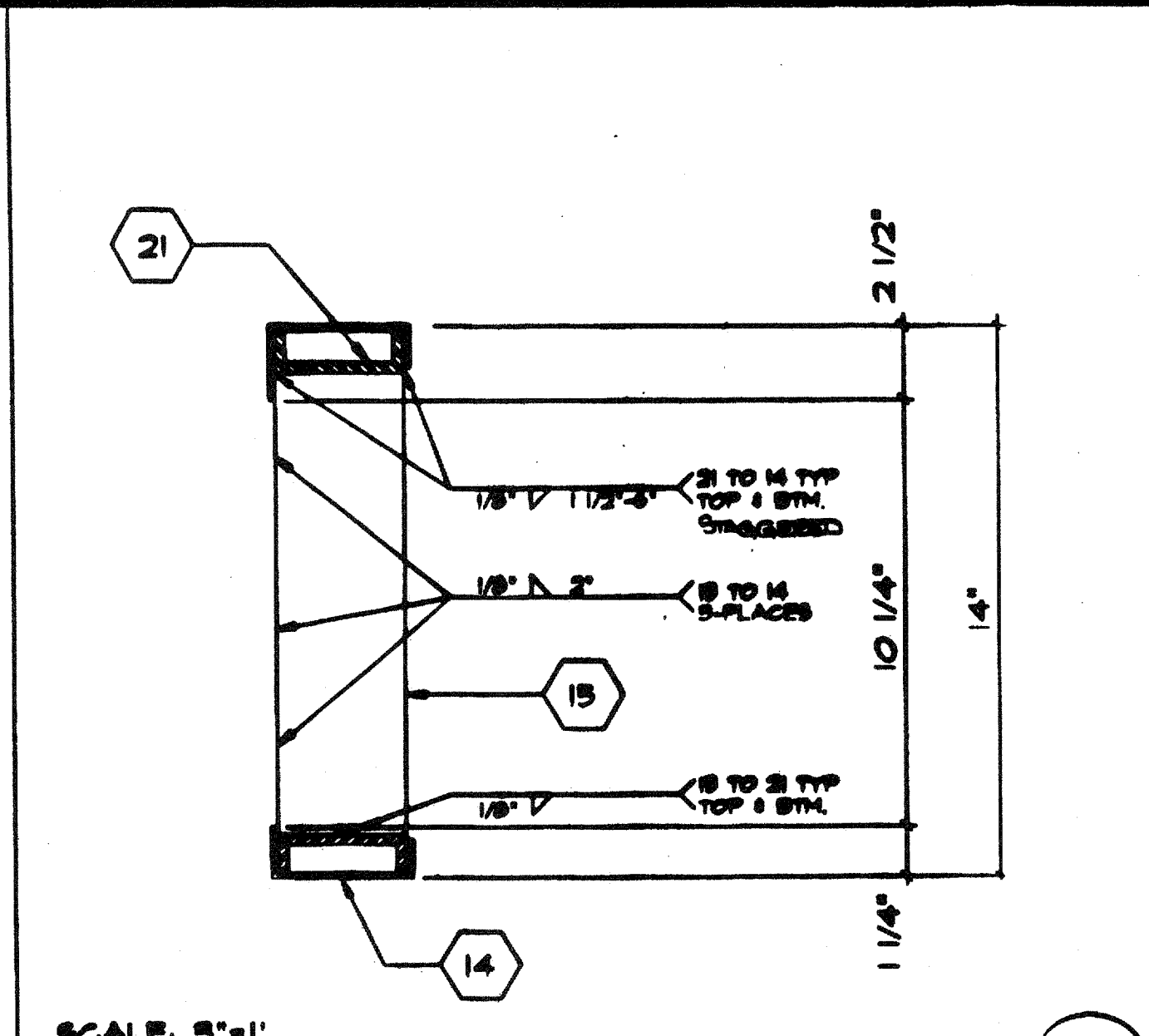
SCALE: 5"=1'
COLUMN CAP PLATE 12



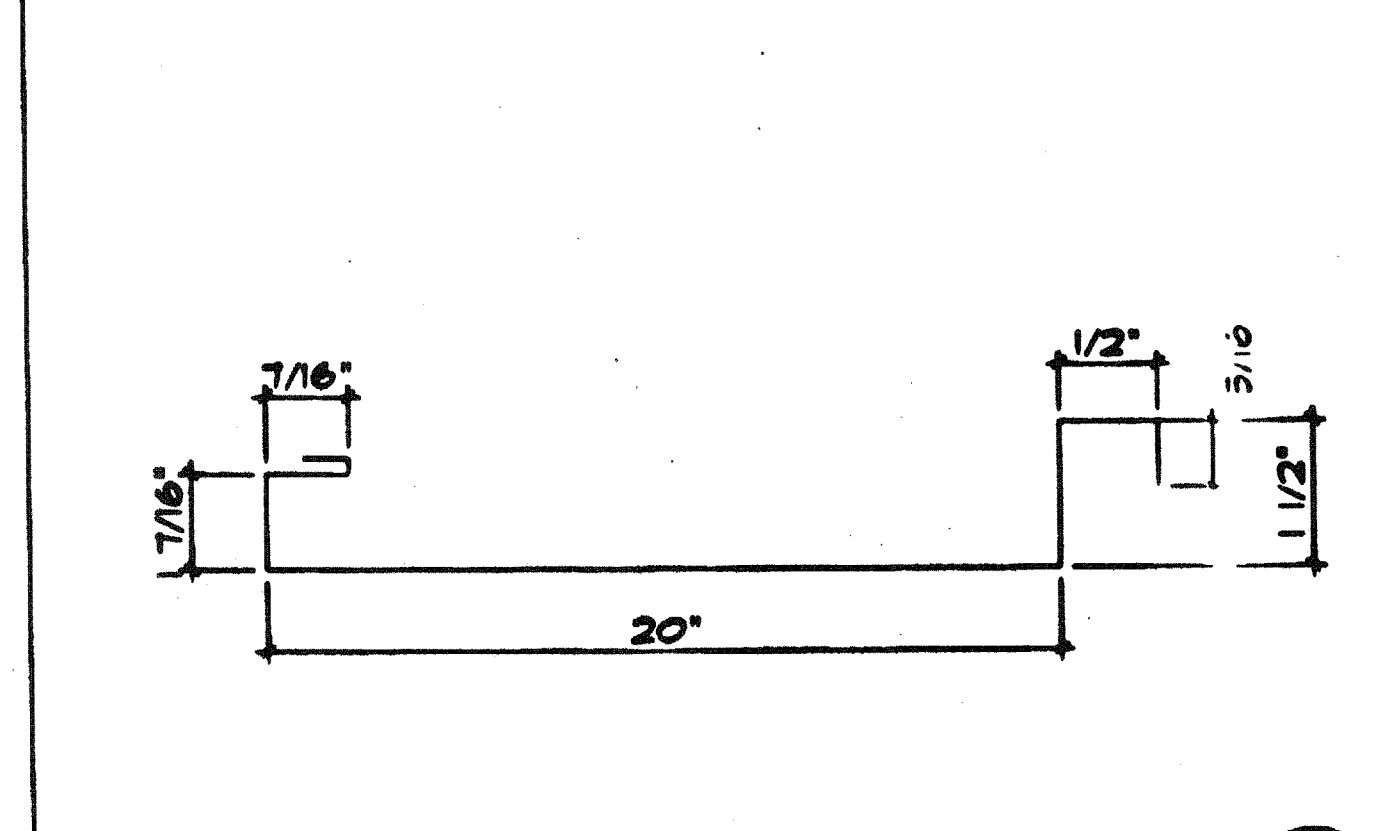
SCALE: 5"=1'
BLOCK @ MIDSPAN 7



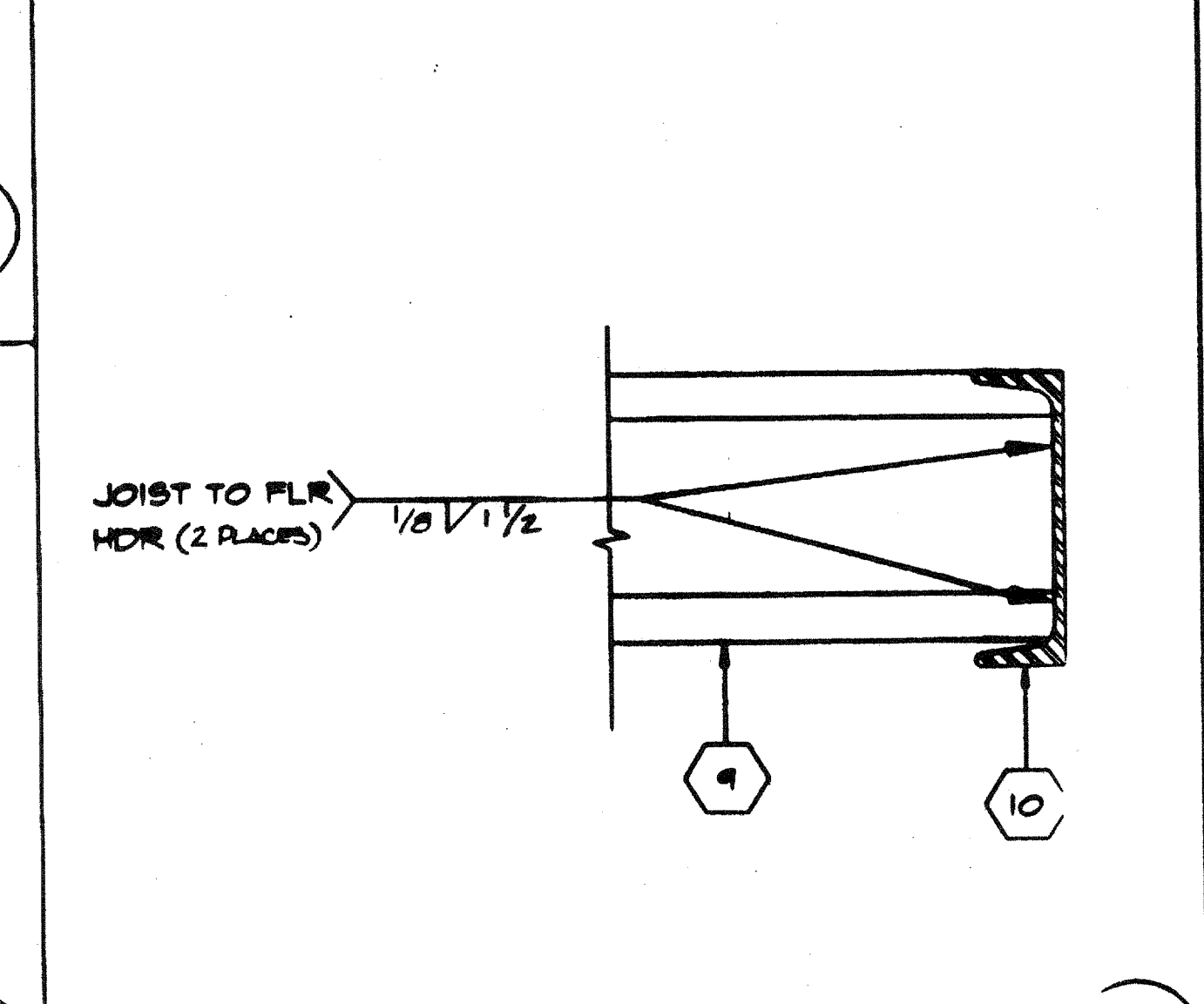
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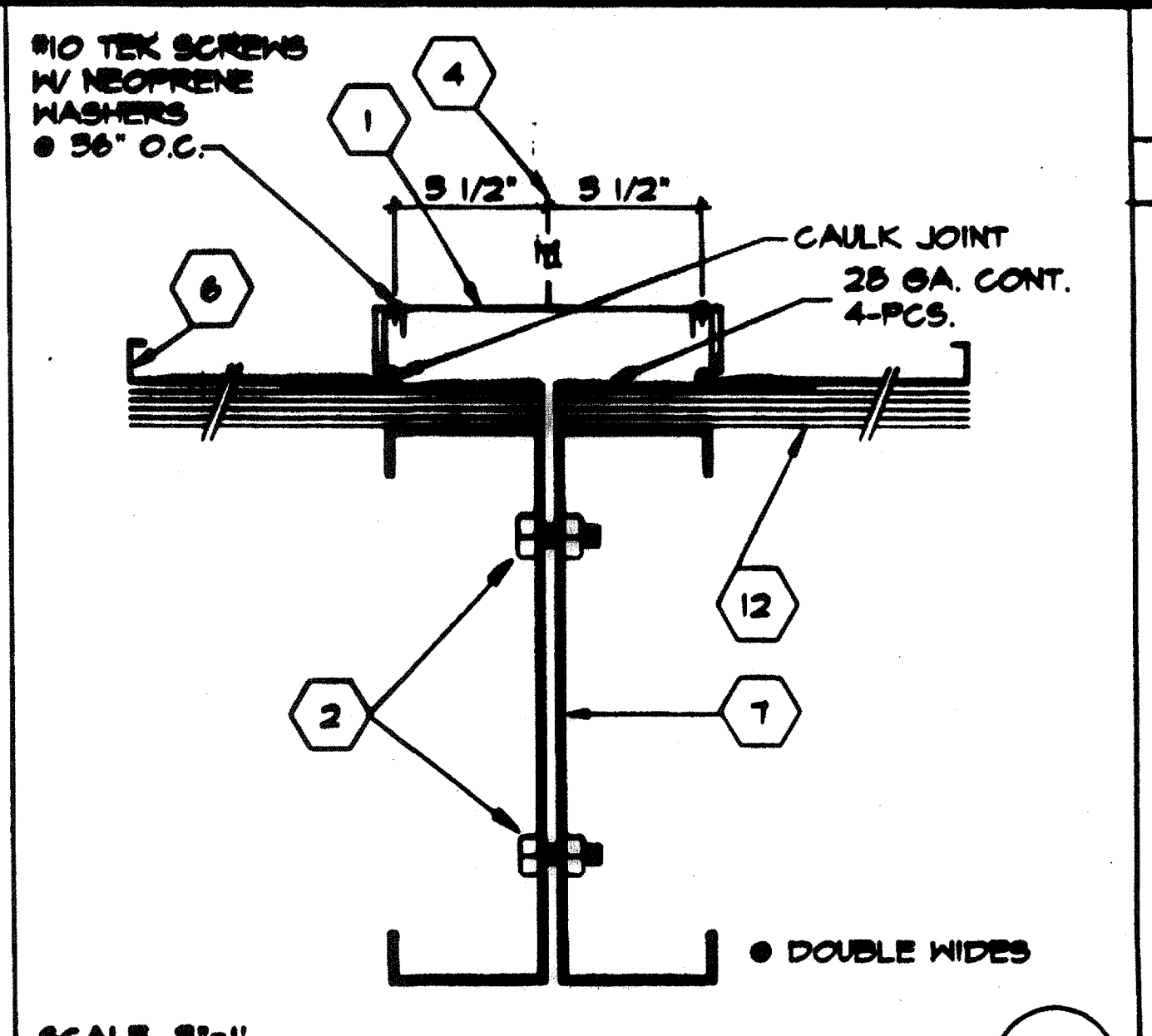
SCALE: 5"=1'
MECH. DUCT OPENING IN HEADER 4



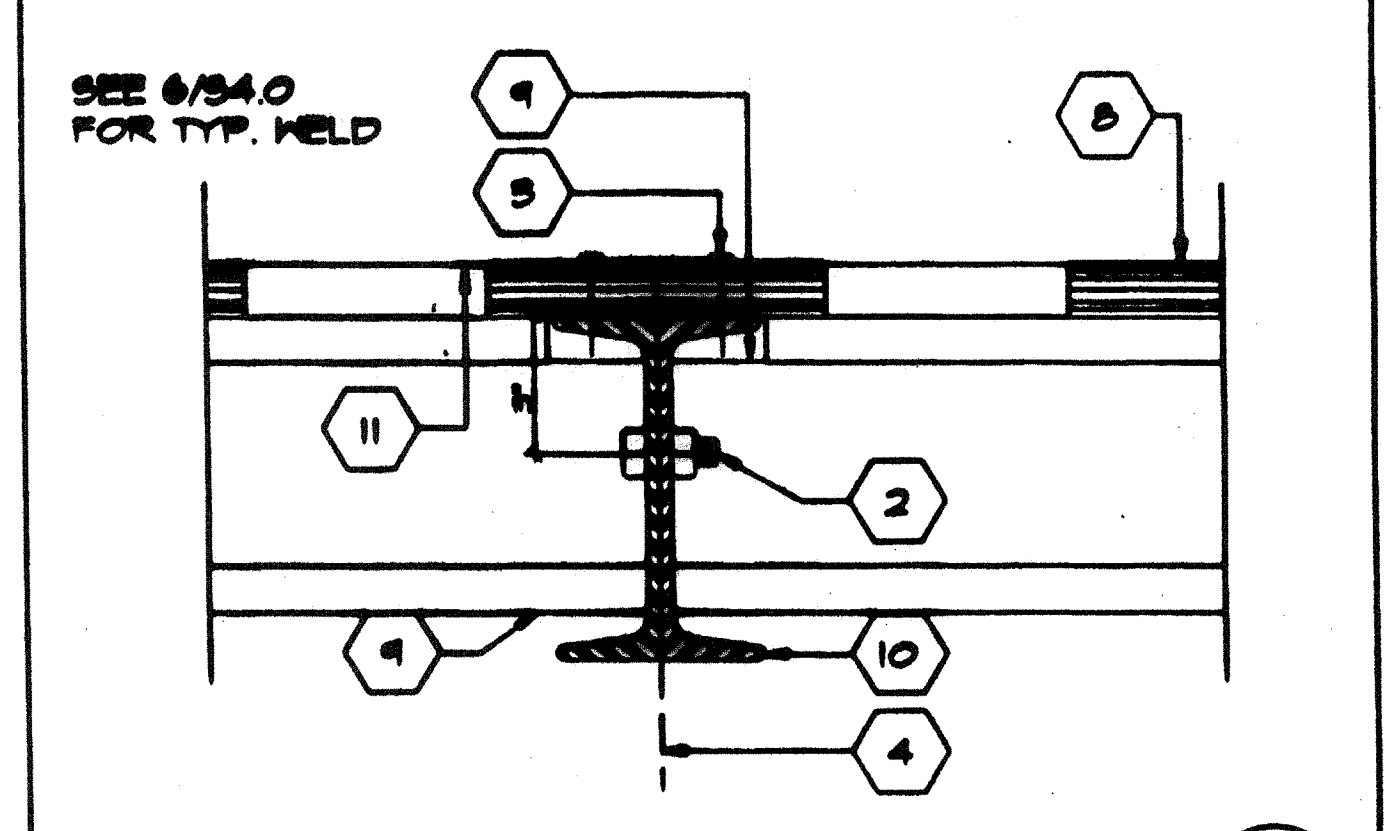
SCALE: NTS
ROOF PAN (26GA.) 5



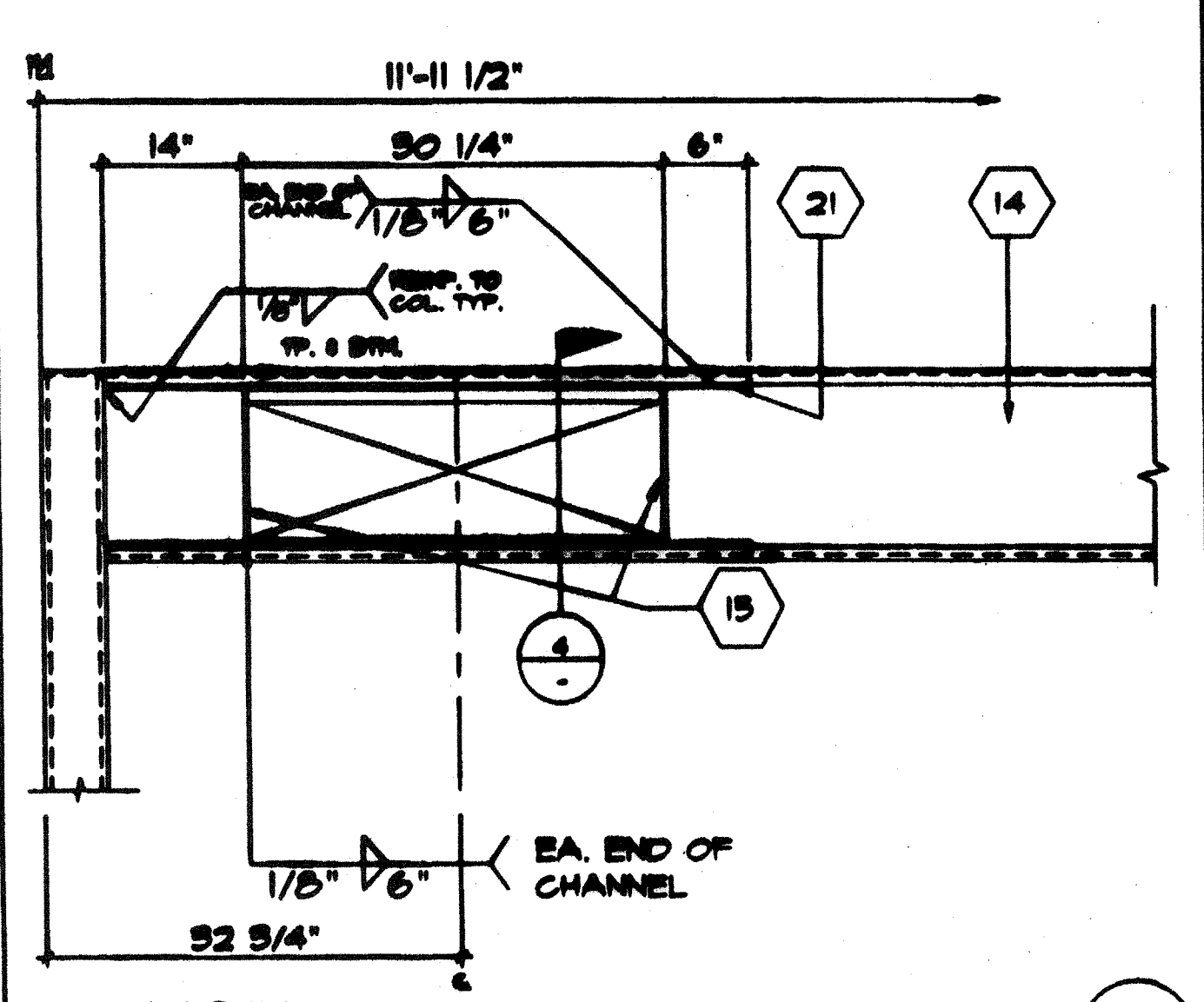
SCALE: 5"=1'
FLOOR FRAME/JOIST TO BEAM 9



SCALE: 5"=1'
ROOFING @ MODLINE 1



SCALE: 5"=1'
MODULE JOINT @ FLR. 2



SCALE: 1"=1'
ELEVATION-OPENING 3

- KEY NOTES**
- 1 CAP CLOSURE @ RIDGE 28GA. GALV. W/10 TYPE FASTENERS W/NEOPRENE WASHERS TO RID BOTH SIDES OF MODLINE. SET CAP IN SEALANT SEE DETAIL-
 - 2 5/8" M.B. A307 MODULE JOINT (SEE STRUCTURAL PLAN FOR LOCATION) @ 8' O.C.
 - 3 E.N.
 - 4 MODULE JOINT
 - 5 1/4" @ 8' O.C. FULL DEPTH STIFFENER PLATE (SEE 4/55.1)
 - 6 STANDING ROOF SEAM (SEE A2.0)
 - 7 ROOF BEAM (SEE STRUCTURAL) SEE 5/55.1 & 12/55.1
 - 8 PLYWOOD FLOOR SHEATHING
 - 9 FLOOR JOIST 6/55.1
 - 10 FLOOR BEAM (SEE STRUCTURAL 5/55.1)
 - 11 HAND HOLE @ BOLT LOCATION
 - 12 PLYWOOD ROOF SHEATHING
 - 13 NOT USED
 - 14 ROOF HEADER (SEE STRUCTURAL 1/55.1)
 - 15 1/4" STIFFENER PLATE SEE 4/55.1 FOR TYP. WELD
 - 16 "C" BLOCKING SEE 6/55.1
 - 17 IOGA. BACK-UP R.
 - 18 NOT USED
 - 19 NOT USED
 - 20 NOT USED
 - 21 5 1/4"X1"X30 1/4" LXIOGA. CHANNEL TOP & BOTTOM CENTER OF OPENING
 - 22 NOT USED
 - 23 TUBE STEEL (SEE 11/55.1) STIFFENER COPE TO FIT ROOF BEAM.
 - 24 ROOF BEAM AT OVERHANG SEE 4/55.1

REVISIONS

ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT

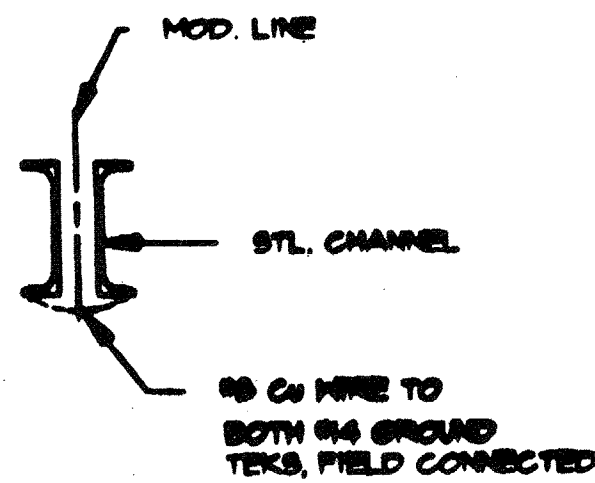
MODTECH INC.
 2830 BARRETT AVE.
 PERRIS, CA. 92572
 PH. (909) 943-4014
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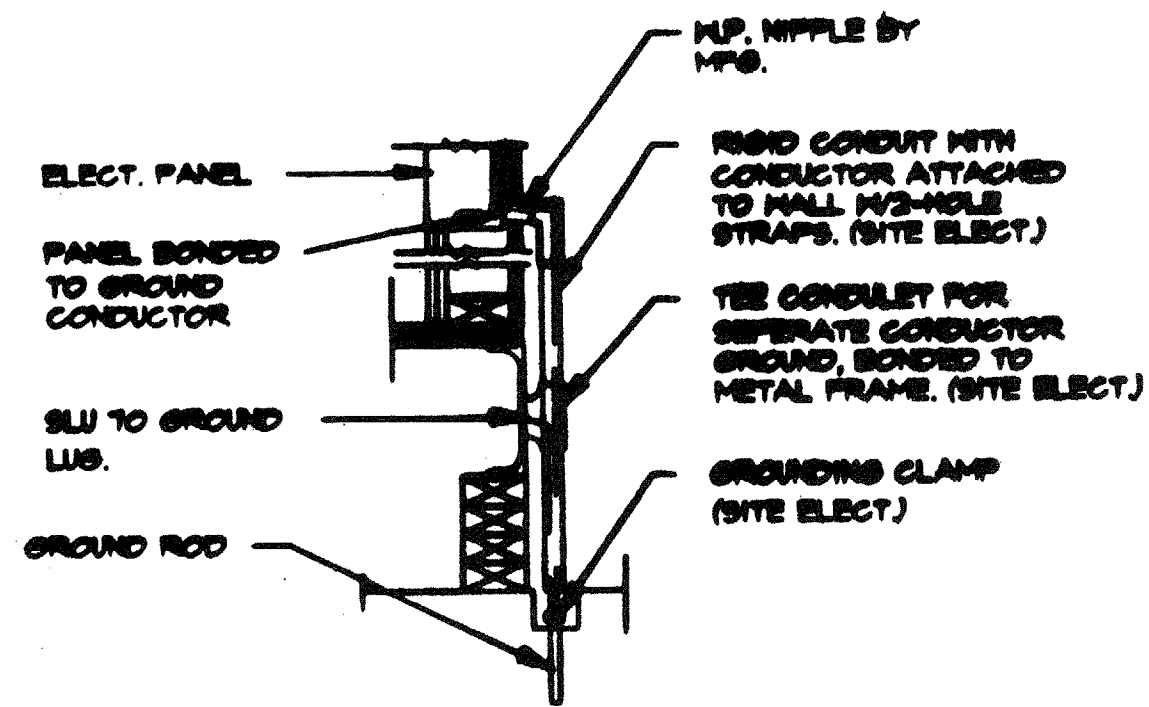
JOB NO. # 2510 #2514 #2515
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APR03 110574
 DATE: SEP 23 2015

CLLS.034 4012-074
 DRAWN BY: dt.
 DATE: 2/2/94
 CHECKED BY:
 DATE:

STRUCTURAL DETAILS S4.0

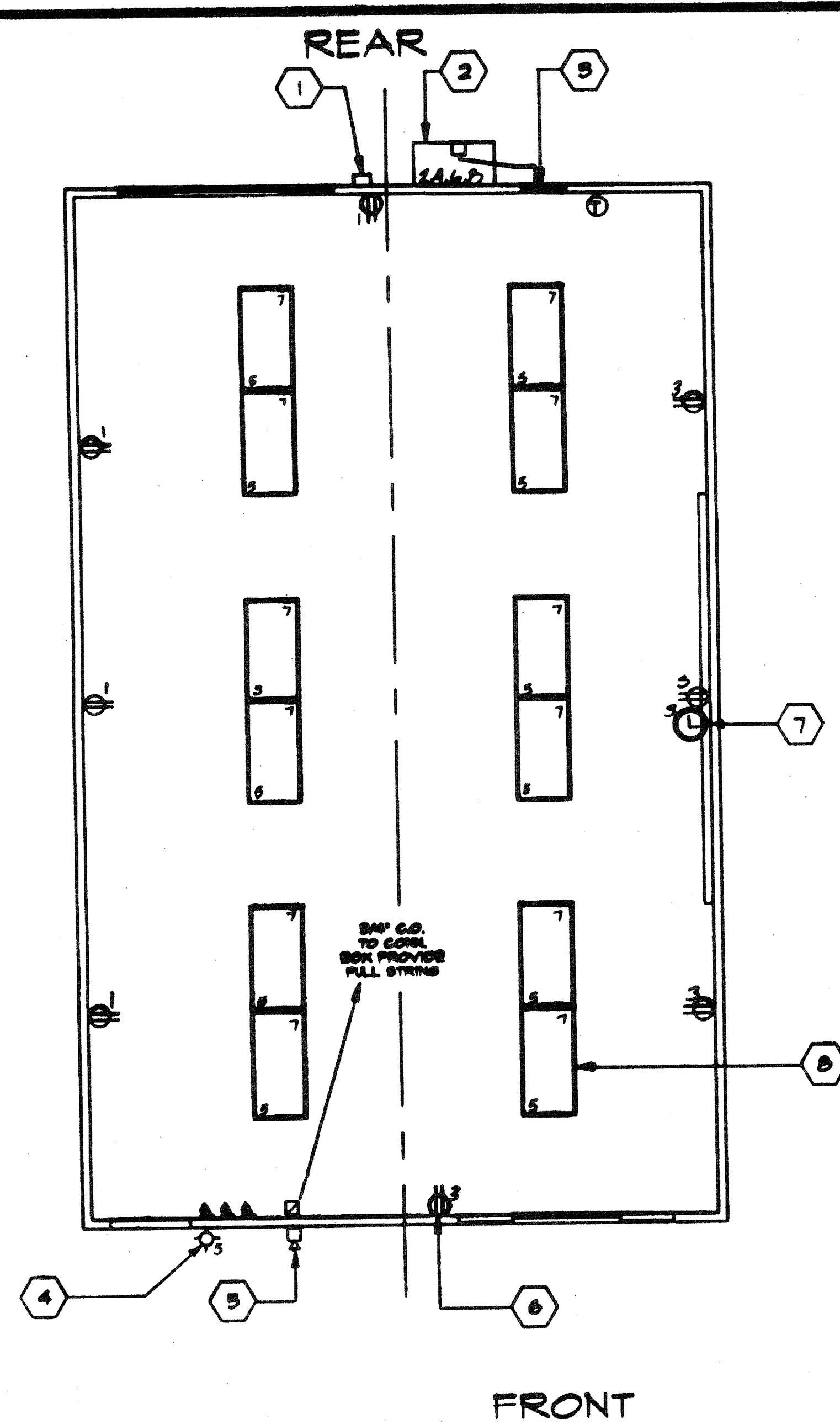


JUMPER @ MOD. LINE



TYPICAL GROUNDING DETAIL

1. EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" ROD, 3/8" COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREES FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 50" DEEP. (BY SITE ELECTRICAL)
2. 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)
3. PROVIDE EQUIPMENT ANCHORAGE PER TITLE 24, TABLE 16-J, PART B.
4. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAY BE REQUIRED TO BE CHANGED DUE TO SITE LOCATION, EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.
5. GROUND MS TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE W/C.E.C. ARTICLE 280.



LOAD	WATTS		BREAKER		Amps		P		V		WATTS		LOAD
	A	B	A	B	A	B	A	B	A	B	A	B	
RECEPTS.	720		20	11			2	50	2	4560			HVAC 4 TON
RECEPTS. & CLOCK	900		20	13			4	-		4560			HVAC 4 TON
INT. / EXT. LIGHTS	1080		20	15			6	30	2	3120			HVAC HEAT STRIPS
INT. LIGHTS	960		20	17			8	-		3120			HVAC HEAT STRIPS
				9			10						
				11			12						
				13			14						
				15			16						
				17			18						
WATTS/PHASE	A = 9,480	1780	1860							7680	7680	B = 9,540	WATTS/PHASE
TOTAL	19,505	WATTS (81.27) 82 AMPS (120/240 VOLTS)											3 WIRE

NCL = 16,980

ELECTRICAL PLAN

SCALE 1/4"=1'-0"

- ### KEY NOTES
- 1 4/SDP WEATHER PROOF GUTTER BOX +18" (6X6X4)
 - 2 HVAC UNIT (SEE SHT. M-1)
 - 3 ELECTRICAL PANEL "A" TYPE-B10 12/20
 - 4 EXTERIOR LIGHT FIXTURE
 - 5 4x JUNCTION BOX FOR FIRE ALARM
 - 6 DUPLEX WALL RECEPTACLE 15-A 125-V 3-WIRE
 - 7 CLOCK OUTLET (SEE SPEC'S)
 - 8 2'X4' FLUORESCENT LIGHT AND FIXTURE 4-TUBE (SEE SPEC'S)

- ### LEGEND
- 2' X 4' FLUORESCENT LIGHT FIXTURE WITH 4-TUBE (SEE SPEC'S)
 - ◇ EXTERIOR LIGHT FIXTURE +7'-6"
 - \$ SWITCH +48"
 - ELECTRICAL PANEL TYPE-B10 12/20 +5'-0"
 - ⊕ DUPLEX WALL RECEPTACLE 15-A 125-V 3-WIRE +18"
 - ⊙ THERMOSTAT +48" ⊕ MAX.
 - ⊠ "J" BOX FOR FIRE ALARM EXT. HORN/BELL +8'-6"
 - ⊞ F/A. PULL STATION +48"
 - 4/SDP EXTERIOR WEATHERPROOF GUTTER BOX (6X6X4) +18"
 - ⌚ CLOCK OUTLET +7'-6"
 - EXIT ILLUMINATED EXIT SIGN

CLASS.033 4012-074

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT

MODTECH INC.
2830 BARRETT AVE.
PERRIS, CA. 92572
PH. (909) 943-4014
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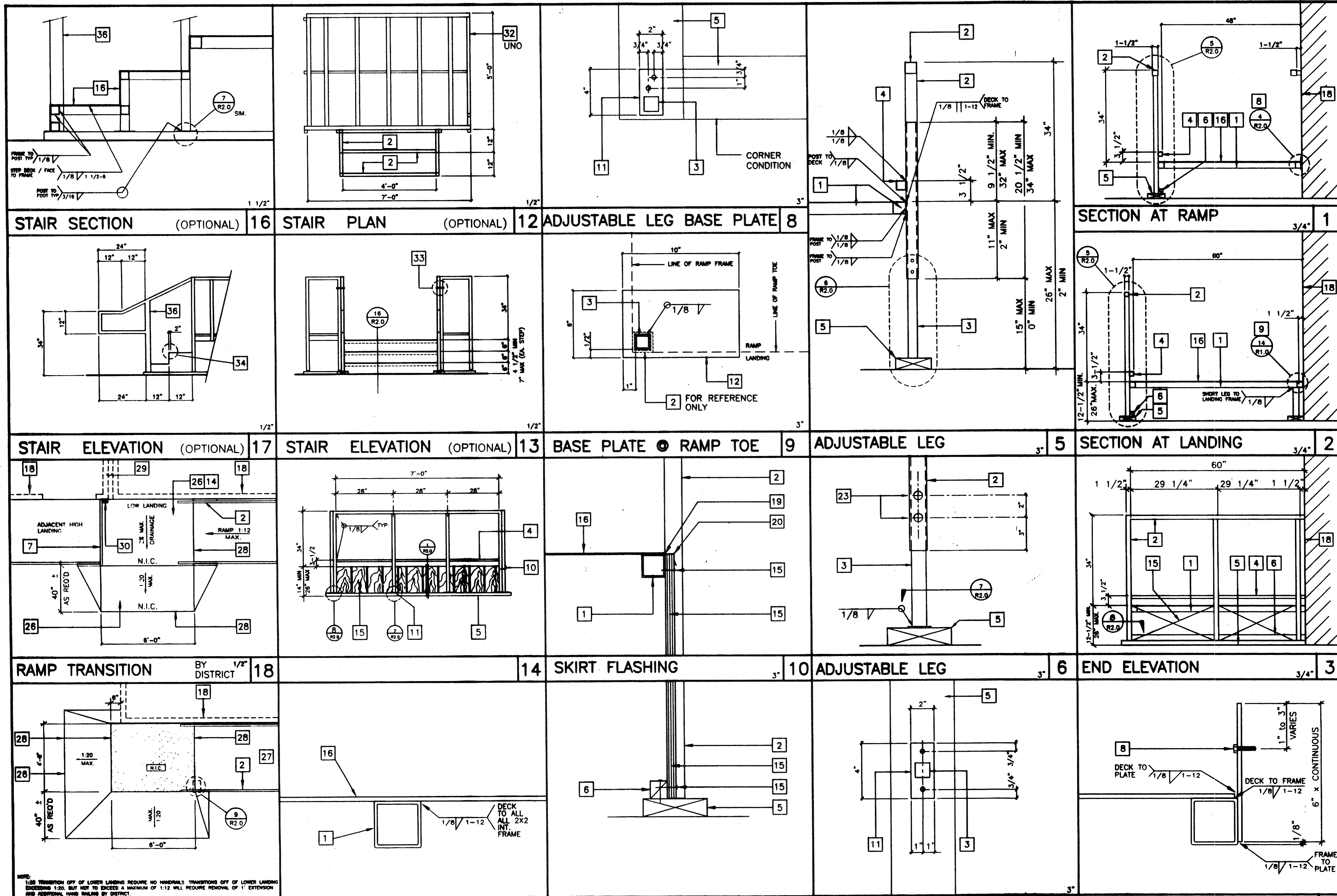
JOB NO # 2510 #2514 #2515

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROX 110574
AC. M. PLS. K. S. P. REC.
DATE: SEP-2-3-2015

DRAWN BY RN
DATE
CHECKED BY
DATE 2/7/96

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ELECTRICAL PLAN E1.0



- ### KEY NOTES
- TS 2" x 2" x 14ga
 - TS 1 1/2" x 1 1/2" x 14ga (Fy = 36 KSI)
 - TS 1 1/4" x 1 1/4" x 14ga (Fy = 36 KSI)
 - TS 1" x 1" x 16ga WHEELCHAIR GUIDE
 - 2 x 6 PT SILL PLATE
 - 2 x 2 NAILER W/16d @ 12" OC
 - 2 x RW HEADER BY DISTRICT.
 - 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
 - 2" x 4" x 12ga BASE PLATE W/2-1/4" x 1" LAGS
 - 6" x 10" x 12ga BASE PLATE @ RAMP TOE.
 - LOWER LANDING BY DISTRICT
 - SKIRTING: PLYWOOD TO MATCH BUILDING SIDING BLOCK ALL EDGES, ATTACH W/ #10 @ 6" OC EDGES AND 12" OC FIELD. 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.
 - EXISTING BUILDING.
 - CAULKING
 - 26 ga FLASHING
 - 3/8" dia x 2" LONG MB W/NUT & WASHERS
 - PAVE BY DISTRICT.
 - RAMP BY MODTECH
 - FLUSH TRANSITION
 - 3" MINIMUM BUILDING SEPARATION
 - PROVIDE DRAINAGE FOR WATER FROM DOWNSPOUT FOR THIS CONDITION. BY DISTRICT
 - FOR LANDING DETAILS AND RAMP ATTACHMENT SEE 12/R1.0
 - FASTEN POSTS W/ 3/8" @ THRU BOLT. TYPICAL
 - 2" WARNING STRIPES MAX 1" FROM EVERY STAIR NOSING. USE CONTRASTING COLOR.
 - TS 2 1/2" x 1 1/2" x 8ga ASTM A500 GRADE A

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 APPO 110574
 AC PL 08/08/15
 DATE SEP 23 2015

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 OFFICE OF REGULATION SERVICES
 APPL 67333
 AC PL 08/08/15
 DATE MAR 11 1997

REVISIONS

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2				
3				
4				
5				

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

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 PC 266
 AC PL 08/08/15
 DATE MAR 24 1997

MODTECH INC.
 2830 BARRETT AVENUE
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 PH (909) 943-4014
 FAX (909) 940-0427

Job Number: PC 266 # 2510 #2514 #2515 © MODTECH, INC. 1997

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 date: [Signature]
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RAMP/STAIR DETAILS R2.0

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