

1" = 40'-0"
1" = 30'-0"
1" = 20'-0"
1" = 1'-0"
1/8" = 1'-0"
1/4" = 1'-0"

WASHINGTON MIDDLE SCHOOL TWO PORTABLE CLASSROOMS

BAKERSFIELD CITY SCHOOL DISTRICT

1101 NOBLE AVE BAKERSFIELD, CA.

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ARCHITECTURE · INTERIOR DESIGN · CONSTRUCTION MANAGEMENT
6011 N. Fresno, Suite 130 - Fresno, California 93710
Phone (559) 438-0881 Fax (559) 438-0887 E-Mail: design@somam.com
www.integrateddesigns.com

TITLE SHEET
WASHINGTON MIDDLE SCHOOL
TWO PORTABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
1101 NOBLE AVE BAKERSFIELD, CA.

Issue Date: 06/16/16
Date: 06/16/16
Design: [Signature]
DR: [Signature]
PC: INITIALS

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FILE # 15-6
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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
117154
ACI: [Signature]
DATE: JUN 20 2016
TRACKING #:

ABBREVIATIONS			
ABOVE FINISHED FLOOR ACCESSIBLE ACCOUSTICAL ADJACENT ADJUSTABLE AIR CONDITIONING ALUMINUM ANCHOR BOLT BENT ANCHOR BOLT ANODIZED ARCHITECTURAL ASPHALT CONCRETE	ABV A.F.F. A.C.C. ACCOUST.,ACT. ADJ ADJUST. A/C ALUM.,AL. AB BAB AND. ARCH. A.C.	EACH ELECTRIC ELECTRIC DRINKING FOUNTAIN ELEVATION EQUIPMENT ESTIMATE EXHAUST EXHAUST FAN EXISTING EXPANSION JOINT EXTERIOR	EA ELEC. E.D.F. ELEV.,EL. EQ. EQUIP. EST. EXH. E.F. (E) EXP. E.J. F.F. EXT.
BACKBOARD BEAM BENCH MARK BETWEEN BLOCK BOTTOM BUILDING BLDG.	BACKBRD. BM B.M. BTWN. BLK BTM.,BTM. BLDG.	FABRIC WALL COVERING FACE OF BLOCK FACE OF CONCRETE FACE OF STUD FACE OF WALL FACTORY FINISH FF FEET/FOOT FEMININE NAPKIN DISPOSAL FINISH FIRE EXTINGUISHER CABINET FLOOR FIXED GLASS FLAT HEAD FLR. FLOOR DRAIN FLUORESCENT FLUOR.	F.W.C. F.O.B. F.O.C. F.O.W. F.F. F.N.D. F.G.,FIBERGL. FIN. F.E.C. F.R.G.B. F.C. F.H. O.C. F.D. FLUOR. FTG. FON. FRM'G. GA. CALV. GL. G.L. G.B. GR. GND. GYP. G.B.,GYP.BD.
CABINET CADMIUM CARPET CARRIAGE BOLT CAST IRON CEILING CEILING DIFFUSER CEILING GRILLE CEILING REGISTER CENTERLINE CERAMIC TILE C.I. CIRCUIT CLEANOUT CLEAR COLD WATER COLLUM COMBINATION/COMBUSTION COMPOSITION, COMPOSITE CONC. CONC. CONC. CONC. COND. CONN. CONSTR. CONSTRUCTION JOINT CONT. CONTR. COORD. CSK.	CAB. CAD. OPT. C.B. C.I. CLG.,CEL'G. C.D. C.C. C.C. C.M. CEM. C.L. C.T. CRT. C.O. CLR. C.W. COLLUM COMB. COMP. CONC. CONC. CONC. COND. CONN. CONSTR. CONSTRUCTION JOINT CONT. CONTR. COORD. CSK.	FIRE EXTINGUISHER CABINET FLOOR FIXED GLASS FLAT HEAD FLR. FLOOR DRAIN FLUORESCENT FLUOR. FTG. FON. FRM'G. GA. CALV. GL. G.L. G.B. GR. GND. GYP. G.B.,GYP.BD.	MACHINE BOLT MACHINE SCREW MANUFACTURER MATERIAL MEMBRANE METAL METAL PLANAR CEILING METAL TOILET PARTITION MILL MINIMUM MISCELLANEOUS MULLION N.I.C. NOT IN CONTRACT NOT TO SCALE NUMBER O.P.P. O.C. O.P.G. O.D. O.H. O/V O.VFL. O.H. PT. PR. P.T.D. PLAS. PLATE PLATED PLYWOOD PLYWOOD POINT POINT OF CONNECTION POUND POUND PER SQ. FOOT POUND PER SQ. INCH QUARTER R.R. R.A.D. R.W. RECEPT. REFLECTED REFRIGERATOR REINFORCING REMOVABLE REQUIRED RESIDENT REVISE, REVISION R.H. R.D. R.T.B.
DEPARTMENT DEPTH, DEEP DET.,D.TL. DIAG. DIAMETER DIMENSION DISPENSER/DISPOSAL DIVISION DOOR DOUBLE DOWN DOWNSPOUT DRAWING DRAWING FOUNTAIN	DEPT. D. DET.,D.TL. DIAG. DIA. DIM. DISP. DIV. DR. DN. D.S. DRWG. D.F.	HARDWARE HEAD HEADER HT.,H. H.M. HORIZ. HOT WATER HOSE BIBB	LAMINATE LAVATORY LEFT HAND LINOLEUM LONG M.B. M.S. MFR. MAT.,MATL. MAX. MECH. MEMBR. M.L. M.P.C. M.T.P. MILL. MIN. MISC. MULL. N.I.C. N.T.S. NO.,# O.H. O.P.P. O.C. O.P.G. O.D. O.H. O/V O.VFL. O.H. PT. PR. P.T.D. PLAS. PLATE PLATED PLYWOOD PLYWOOD POINT POINT OF CONNECTION POUND POUND PER SQ. FOOT POUND PER SQ. INCH QUARTER R.R. R.A.D. R.W. RECEPT. REFLECTED REFRIGERATOR REINFORCING REMOVABLE REQUIRED RESIDENT REVISE, REVISION R.H. R.D. R.T.B.

VICINITY MAP

THIS PROJECT SITE
TWO PORTABLE CLASSROOMS
1101 NOBLE AVE
BAKERSFIELD, CA.

BAKERSFIELD CITY SCHOOL DISTRICT

GENERAL NOTES

- ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS
- CHANGES MADE TO THE APPROVED DRAWINGS AND SPECS SHALL BE MADE BY ADDENDUM OR C.C.D., APPROVED BY DSA AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, C.C.R.
- REFER TO RELOCATABLE BUILDING MANUFACTURER'S DRAWINGS FOR ALL INFORMATION REGARDING THE RELOCATABLE BUILDINGS

SCOPE OF WORK

- RELOCATION OF (2) PORTABLE CLASSROOM BUILDING AND METAL RAMPS AND CONSTRUCTION OF UTILITY SERVICES ON AN EXISTING ELEMENTARY SCHOOL CAMPUS. *see A1.02 for SERIAL NUMBERS*
- CONSTRUCTION OF WOOD FOUNDATIONS FOR (2) PORTABLE BUILDINGS

SHEET INDEX

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A1.02	PARTIAL SITE PLAN
A1.03	SITE DETAILS
ELECTRICAL	
E-1	SITE PLAN - ELECTRICAL
E-2	POWER AND SIGNAL PLAN
E-3	FIRE ALARM PLAN
E-4	DETAILS AND SYSTEM DIAGRAMS
STOCKPILE # 68505 - 24' x 40' RELOCATABLE BUILDING BY MSI	
T	TITLE SHEET
G-1	GENERAL SPECIFICATIONS
G-3	ARCHITECTURAL STANDARD DETAILS
G-4	PLUMBING GENERAL NOTE AND DETAILS
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S-26	STEEL FRAMING DETAIL
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S-60	ROOF CONSTRUCTION DETAILS FOR "C" CHANNEL WITH 22 GA. METAL ROOFING
S-62	ROOF CONSTRUCTION DETAILS FOR "C" CHANNEL WITH PLYWOOD
S-60	ROOF CONSTRUCTION DETAILS FOR COLD ROLLED AND METAL ROOFING
S-62	ROOF CONSTRUCTION DETAILS FOR COLD ROLLED AND PLYWOOD ROOFING
S-70	STEEL TRUSS FOR DOUBLE PITCH ROOF
F-1	WOOD FOUNDATION
R-3	RAMP FRAMING PLAN AND DETAILS

BUILDING DATA

OCCUPANCY = E
TYPE OF CONSTRUCTION = VB (NON-SPRINKLERED)
TEMP CLASSROOMS
4 (E) CLASSROOMS @ 960 S.F. (24'x40') EA. = 3,840 S.F.
2 (N) CLASSROOM @ 960 S.F. EA. = 1,920 S.F.
1 (R) Restroom
TOTAL = 6,720 S.F.

PER 2013 C.B.C. TABLE 503:
ALLOWABLE AREA = 9,500 S.F.
6,720 PROPOSED < 9,500 ALLOWABLE = OK

INSPECTOR OF RECORD

THIS PROJECT REQUIRES A CLASS 4 INSPECTOR. THE INSPECTOR OF RECORD SHALL BE DSA APPROVED AND CONFORM TO THE CLASSIFICATION CRITERIA AS PROVIDED IN INTERPRETATION OF REGULATIONS (IR) A-7, DATED JULY 17, 2013

THE INSPECTOR SHALL BE EMPLOYED BY THE DISTRICT AND APPROVED BY THE RESPONSIBLE ARCHITECT.

APPLICABLE CODES:

COMPLY WITH PART 1, TITLE 24, 2013 CCR.

A COPY OF TITLE 24 SHALL BE ON SITE AT ALL TIMES. CONSTRUCTION SHALL COMPLY WITH TITLE 24 CALIFORNIA CODE OF REGULATIONS, INCLUDING THE FOLLOWING:

TITLE 24, CCR, PART 2, 2013 CBC (2012 IBC, WITH CALIFORNIA AMENDMENTS).
TITLE 24, CCR, PART 3, 2013 CEC (2011 NEC, WITH CALIFORNIA AMENDMENTS).
TITLE 24, CCR, PART 4, 2013 CMC (2012 UMC, WITH CALIFORNIA AMENDMENTS).
TITLE 24, CCR, PART 5, 2013 CPC (2012 UPC, WITH CALIFORNIA AMENDMENTS).
TITLE 24, CCR, PART 6, 2013 CEC
TITLE 24, CCR, PART 9, 2013 CFC (2012 IFC, WITH CALIFORNIA AMENDMENTS).
TITLE 19, CCR.
NFPA 72, 2013 EDITION (AS PER CA AMENDMENTS)

ARCHITECT'S STATEMENT

ARCHITECT'S STATEMENT FOR PLANS PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

THESE DRAWINGS AND/OR SPECIFICATIONS AND/OR CALCULATIONS FOR THE ITEMS LISTED IN THE SHEET INDEX AND CHECKED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DOCUMENTS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME FOR DESIGN INTENT AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.

THE ITEMS CHECKED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE DELEGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK).

SEE THE SHEET INDEX ON THIS SHEET FOR DRAWINGS OTHER THAN ARCHITECTURAL APPLICABLE:

STRUCTURAL PLUMBING MECHANICAL ELECTRICAL
 PORTABLE MANUFACTURER CIVIL

SIGNATURE OF THE ARCHITECT/ENGINEER: [Signature] DATE: 6/16/16
NAME, TITLE, AFFILIATION, PROJECT ARCHITECT, ARCHITECT, INTEGRATED DESIGNS BY SOMAM, INC.

C-28966 LICENSED NUMBER 05-31-17 EXPIRATION DATE

SYMBOLS

SECTION KEY
SECTION IDENTIFICATION SHEET NUMBER

DETAIL KEY
DETAIL NUMBER SHEET NUMBER

INTERIOR ELEVATION KEY
ELEVATION DIRECTION
ELEVATION IDENTIFICATION SHEET NUMBER

ELEVATION DATUM
INDICATES HEIGHT IN RELATION TO 0'-0"

ROOM NUMBER / FINISH TAG
ROOM NAME
ROOM NUMBER

WINDOW SCHEDULE KEY

KEYNOTE SCHEDULE KEY

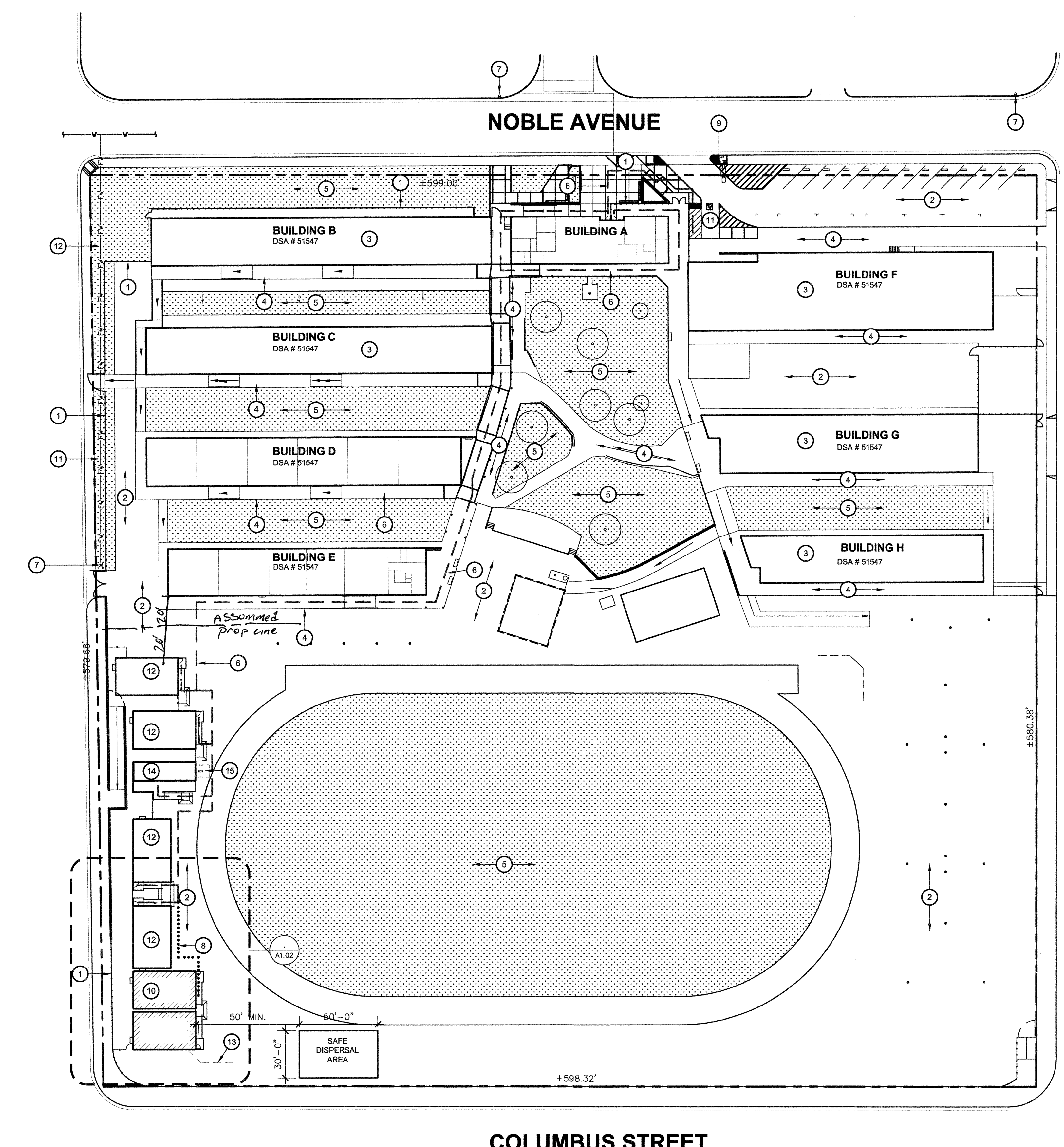
DOOR SCHEDULE KEY

Stamp(s):

Job No.: **5223**

Sheet No.: **T1.01**

Release: -



**OVERALL SITE PLAN
TWO PORTABLE CLASSROOMS**

SCALE: 1" = 40'

KEY NOTES

1. (E) CHAIN LINK FENCE AND GATE TO REMAIN
2. (E) A.C. PAVING TO REMAIN
3. (E) BUILDING TO REMAIN (NO WORK)
4. (E) CONCRETE WALK TO REMAIN (NO WORK)
5. (E) TURF AND IRRIGATION TO REMAIN
6. EXISTING ACCESSIBLE PATH OF TRAVEL TO REMAIN, VERIFY IN FIELD
7. EXISTING FIRE HYDRANT PER DSA APP 03-117025
8. PROPOSED ACCESSIBLE PATH OF TRAVEL (P.O.T.) REFER TO ACCESSIBILITY NOTE, THIS SHEET
9. (E) SITE ENTRANCE TOW AWAY SIGNAGE PER DSA APP NO
10. (N) MODULAR CLASSROOM ON WOOD FOUNDATION INSTALLED PER MANUFACTURERS DRAWINGS
11. (E) ACCESSIBLE PARKING STALL AND SIGNAGE, PER DSA APP. 03-117025
12. (E) MODULAR CLASSROOM, NO WORK
13. (E) BACKSTOP TO BE REMOVED, PATCH ASPHALT BACK FLUSH W/ EXISTING ASPHALT
14. (E) ACCESSIBLE RESTROOM, DSA APP. 03-117025
15. (E) ACCESSIBLE DRINKING FOUNTAIN, DSA APP. 03-117025

PARKING CALCULATION

EXISTING PARKING LOT #1

TOTAL STALLS PROVIDED:	20
ACCESSIBLE STALLS REQUIRED PER CBC TABLE 11B-208.2:	1
VAN SPACES REQUIRED (1 PER 6 ADA):	1
ACCESSIBLE STALLS PROVIDED:	0 REGULAR 1 VAN 1 TOTAL

FLOOD ZONE INFO

FLOOD ZONE DESIGNATION:	ZONE X (0.2%)
F.I.R.M. PANEL DESIGNATION:	06029C1840E
EFFECTIVE DATE OF F.I.R.M.:	09 / 26 / 2008
BASE FLOOD ELEVATION (BFE):	-400 FT.
COMMUNITY ORDINANCE SECTION:	BMC 15.74.040

ACCESSIBILITY NOTES

- 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 PORTION 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 PROJECTS 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 NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
- 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 1/4" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING 1/4"
 - 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: **WASHINGTON MIDDLE SCHOOL**
 Project Address: **1101 NOBLE AVE. BAKERSFIELD, CA 93305**

LOCAL FIRE AUTHORITY (LFA)

LFA Agency Name: **BAKERSFIELD FIRE DEPARTMENT**
 LFA Reviewer Name: **ERIN C. MEDINA** Title: **FIRE PLANS EXAMINER**
 Email: **cmedina@bakershfd.com** Telephone Number: **(661) 326-3682**

I have reviewed and responded to the applicable items for this project as listed below.
 Note: Only sign this form when it is signed onto the site plan. A loose form is not acceptable to DSA.

LFA Reviewer's Signature: *Erin C. Medina* Date: **8/16/16**

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 19, 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.				X

Signature of School District Official: _____ Date: _____

Print the School District Official's Name: _____

5 The location(s) of the proposed post indicator valve and fire department connection meet the requirements of this jurisdiction.

6 The location(s) of the detector check valve assembly meet the requirements of this jurisdiction.

7 Is the project located in a hazard severity zone area? (CBC, Chapter 7A, Section 701A.) Yes No

Check type if "Yes": Moderate High Very High WFA (If one of these boxes is checked, the project design must meet the requirements of Chapter 7A.)

8 COMMENTS (note deficiencies): _____

DSA 810 (rev 05-12-14)

LEGEND

- INDICATES EXISTING BUILDING TO REMAIN (NO WORK), U.N.O.
- INDICATES NEW PORTABLE BUILDING UNDER THIS APPLICATION
- HALF-TONE DASHED LINE INDICATES EXISTING ACCESSIBLE PATH OF TRAVEL
- INDICATES PROPOSED ACCESSIBLE PATH OF TRAVEL, THIS APPLICATION

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Rev. Date: _____
 Revision Description: _____

OVERALL SITE PLAN
WASHINGTON MIDDLE SCHOOL
TWO PORTABLE CLASSROOMS
 BAKERSFIELD CITY SCHOOL DISTRICT
 1101 NOBLE AVE BAKERSFIELD, CA.

Issue Date: _____
 Date: **08/16/16**
 Designer: _____
 DRC: _____
 PC: _____

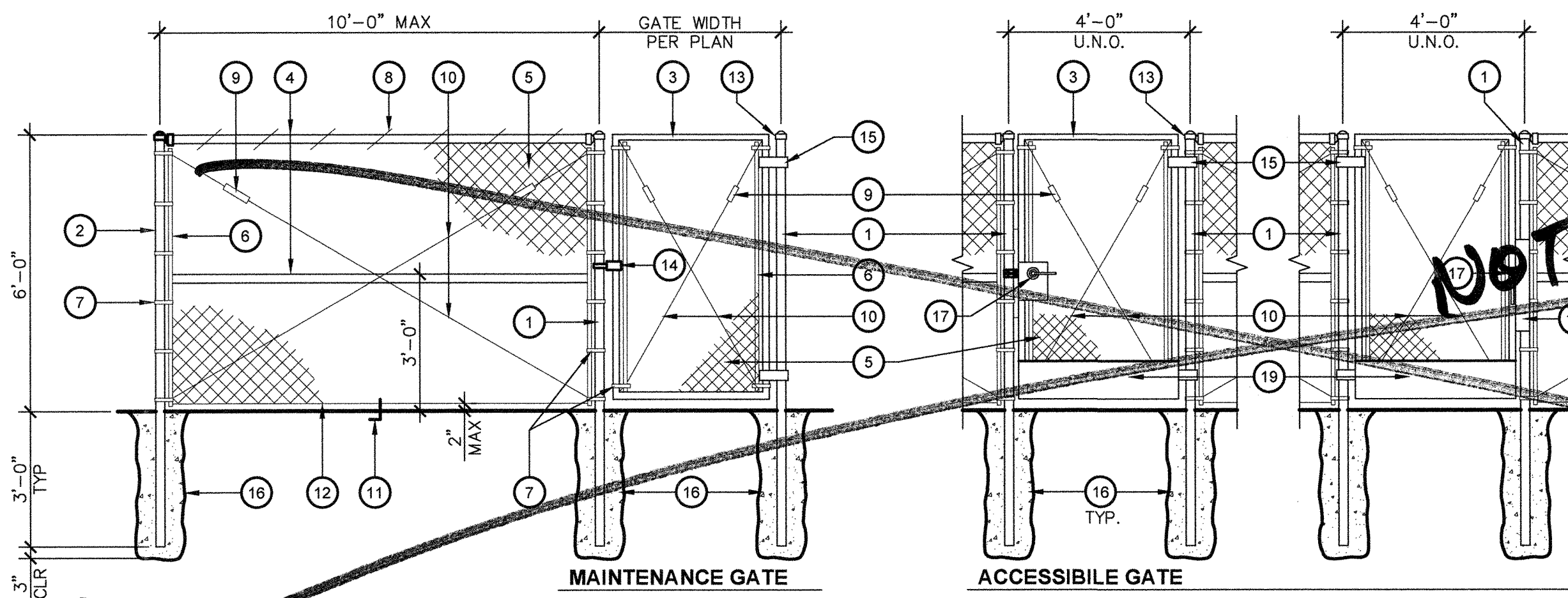
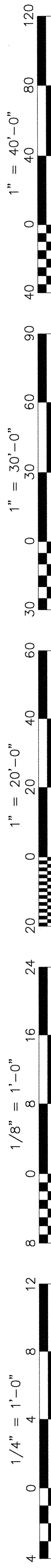
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 117154
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Stamp(s): _____

Job No.: **5223**

Sheet No.: **A1.01**

Release: _____



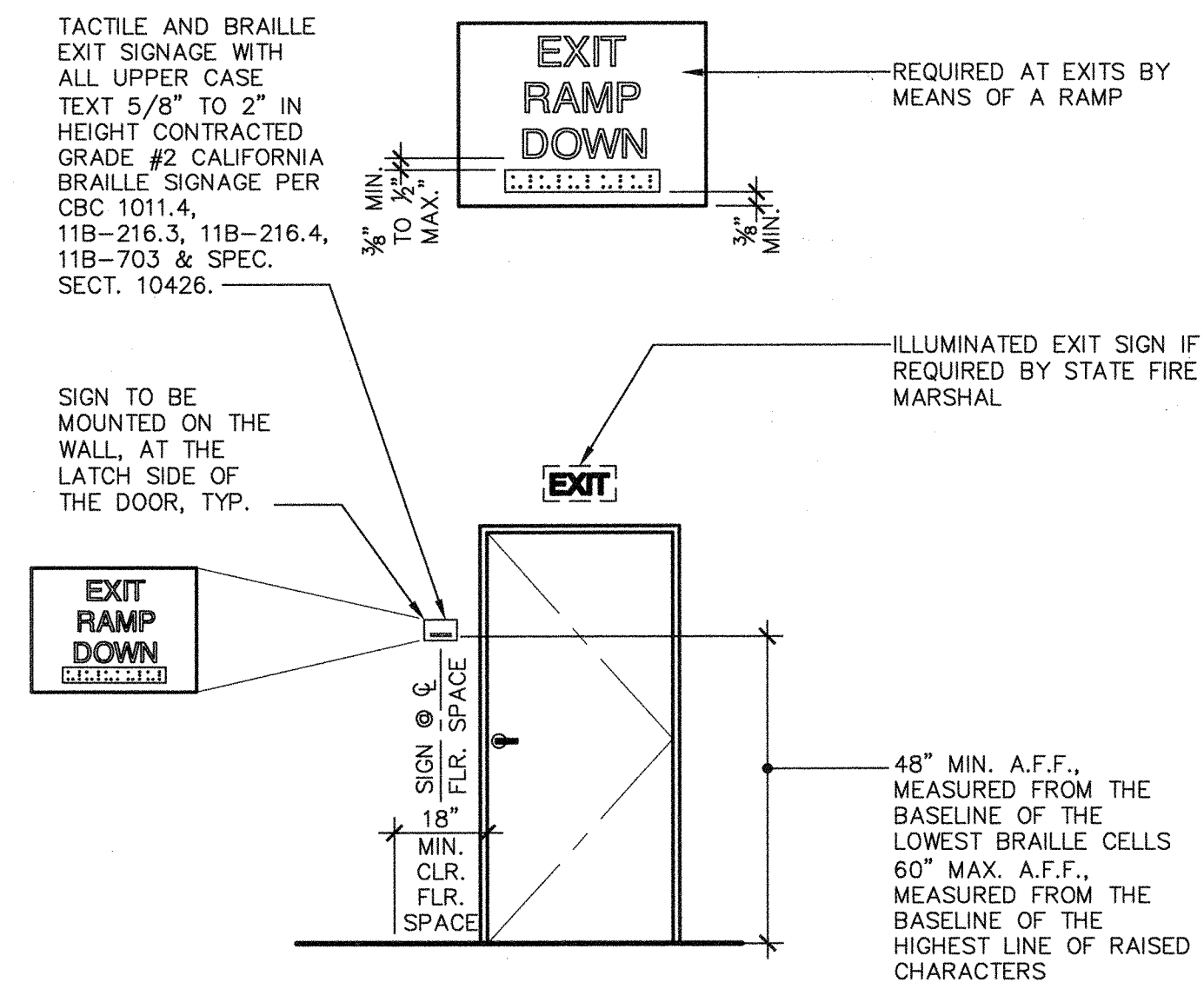
13 TYPICAL CHAIN LINK FENCE AND GATES
A1.03 ADY100-01

TYPICAL FENCE & GATE KEYNOTES

- 1 4" O.D. GALVANIZED STEEL GATE POST (9.1 lb/ft)
- 2 7/8" O.D. GALVANIZED STEEL END OR CORNER POST (5.79 lb/ft)
- 3 2" O.D. GALVANIZED STEEL GATE FRAME (2.72 lb/ft)
- 4 5/8" O.D. GALVANIZED STEEL HORIZONTAL RAIL (2.27 lb/ft)
- 5 2"x2" X 9 GAUGE GALVANIZED FENCE FABRIC WITH TURNBUCKLE TOP AND BOTTOM SELVAGE. FENCE FABRIC TO BE GALVANIZED BEFORE WEAVING (GBW)
- 6 1/4"x3/4" GALVANIZED STEEL STRETCHER BAR
- 7 GALVANIZED STEEL STRETCHER BAR TENSION BAND, MIN. OF TENSION BANDS
- 8 9 GAUGE (0.148" DIA.) GALVANIZED STEEL TIE WIRES OR HOG RINGS AT 15" MAX. SPACING. MIN. 5 TIE WIRES PER EACH 10" HORIZONTAL RAIL
- 9 GALVANIZED ADJUSTABLE TURNBUCKLE FOR 3/8" DIA. TRUSS ROD
- 10 3/8" DIA. GALVANIZED STEEL ADJUSTABLE TRUSS ROD. TRUSS RODS REQUIRED FOR ALL GATE POST PANELS AND END OR CORNER POST PANELS
- 11 3/8"x6" GALVANIZED HOOK BOLT WITH NUT IMBEDDED IN MIDWAY BETWEEN POSTS
- 12 7 GAUGE (0.177" DIA.) GALVANIZED STEEL TENSION WIRE
- 13 RAINPROOF CAP
- 14 LOCKING HASP
- 15 180° GATE HINGE, TYP
- 16 12"Ø CONCRETE POST FOOTING (TYP.)
- 17 TRIM, LEVER HANDLE & RIM CYLINDER LOCK PER DISTRICT STANDARD 34" - 44"
- 18 16ga GATE GUARD
- 19 10" HIGH x GATE WIDTH, 16 ga POWDER-COATED METAL KICK PLATE, TYP BOTH SIDES OF GATE.

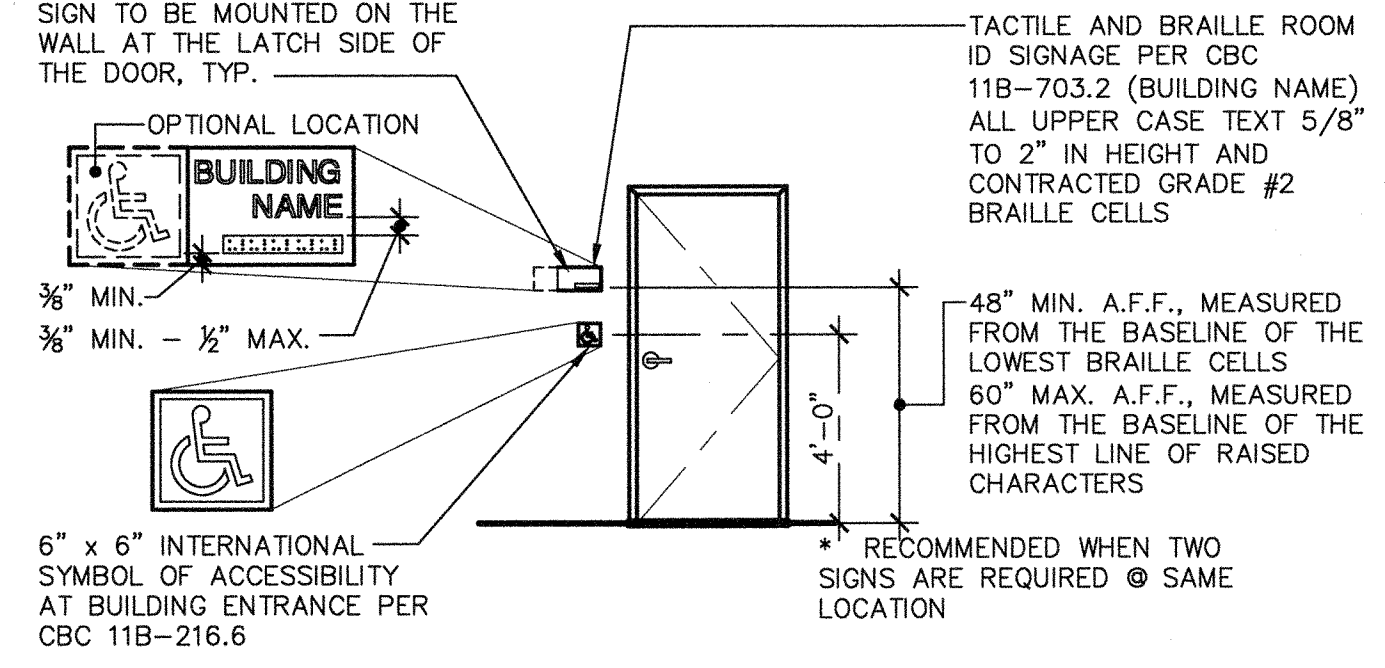
SCALE: N.T.S.

- 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



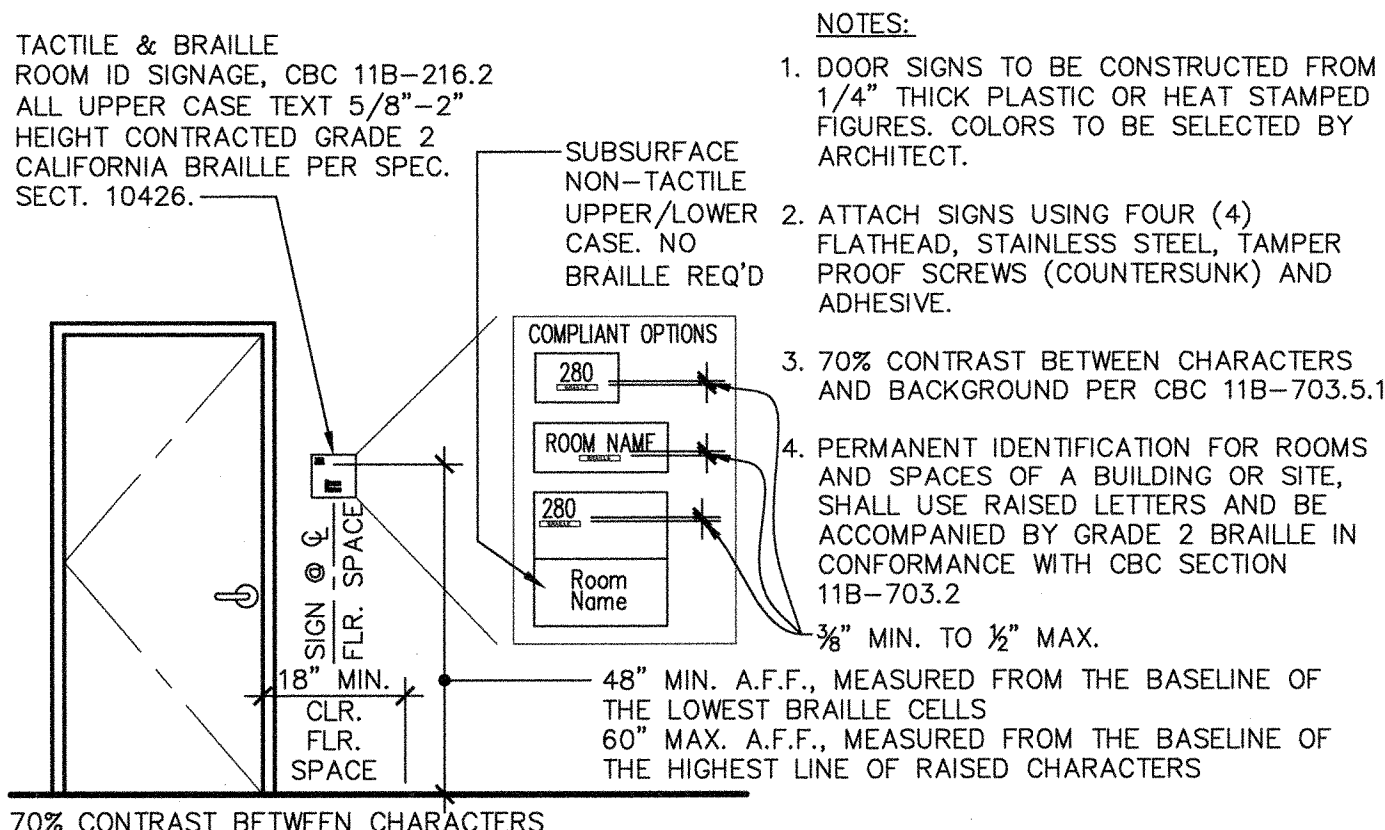
2 TYPICAL EXTERIOR DOOR SIGNAGE
A1.03 ADX200-01

- 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 PER CBC 11B-703.5.1.
 - ISA SYMBOL CAN ALSO BE PLACED ON DOOR. THE LOCATION IS NOT REGULATED.



BUILDING ENTRANCE/I.S.A. SIGNAGE
ADA100-01

SCALE: 1' = 1'-0"



4 ROOM ID SIGNAGE
A1.03 ADX100-01

SCALE: NO SCALE

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6011 N. Fremont, Suite 130 - Fresno, California 93710
Phone (559) 439-0881 Fax (559) 439-0887 E-Mail: design@somam.com
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Revision Description: _____ Rev. Date: _____
Revision Description: _____ Rev. Date: _____
Revision Description: _____ Rev. Date: _____

WASHINGTON MIDDLE SCHOOL
TWO PORTABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
1101 NOBLE AVE BAKERSFIELD, CA.

Issue Date: 06/07/16
Date: 06/07/16
Designer: _____
DR: _____
PC INITIALS: _____

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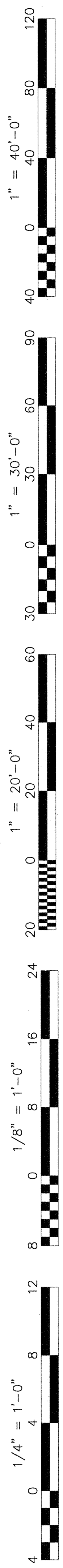
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Job No.: **5223**

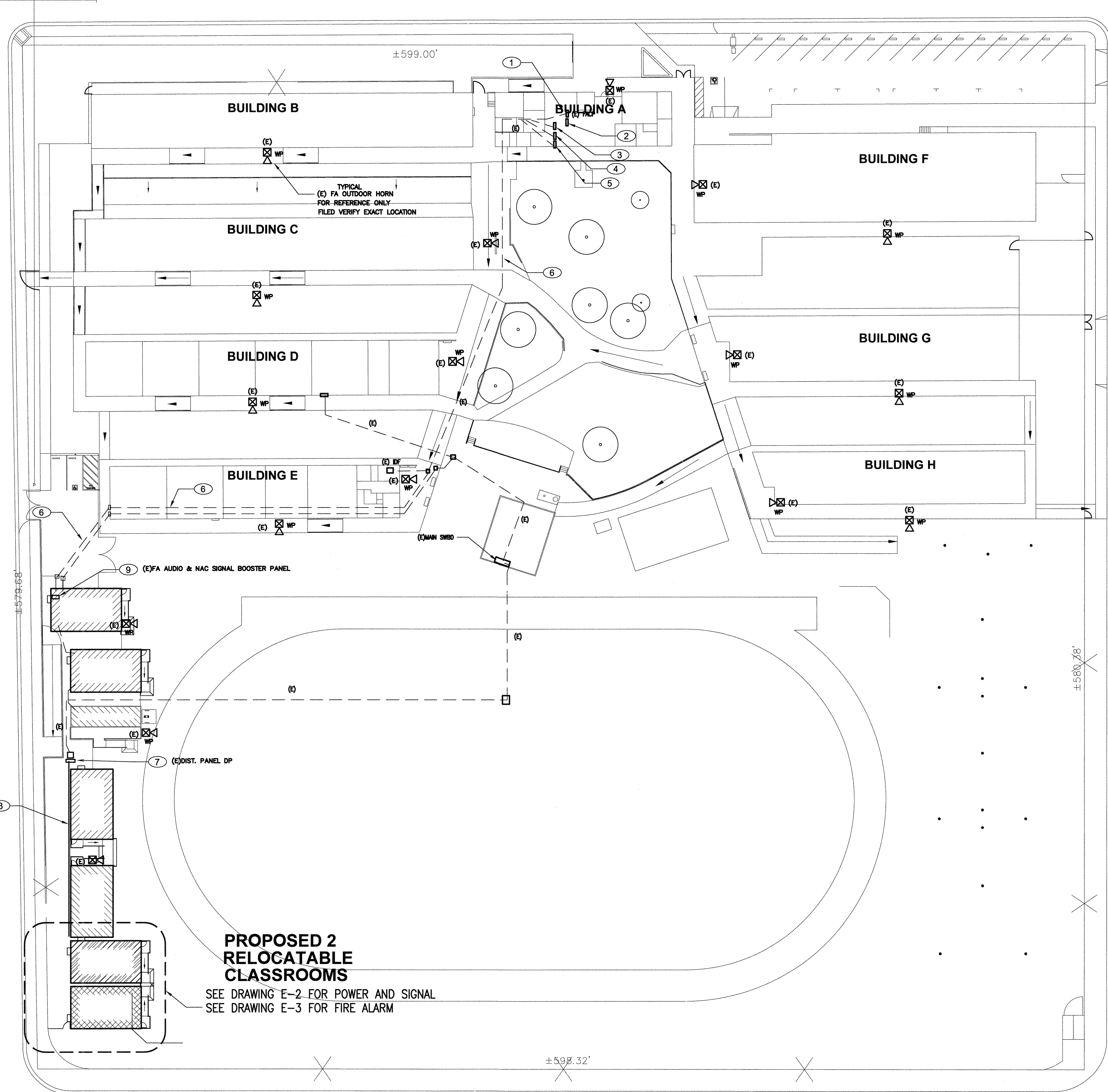
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BUCKNELL STREET



PROPOSED 2 RELOCATABLE CLASSROOMS
 SEE DRAWING E-2 FOR POWER AND SIGNAL
 SEE DRAWING E-3 FOR FIRE ALARM

- PROJECT NOTES**
- SOURCE OF POWER HAS BEEN INVESTIGATED AND IS ADEQUATE FOR THE ADDITIONAL LOAD.
 - SITE INSPECTOR IS TO WITNESS AND VERIFY GROUNDING TEST
 - CONTRACTOR TO MONITOR EXISTING FIRE ALARM SYSTEM IF IT IS INTERRUPTED OR DISCONNECTED.

- SHEET NOTES**
- APPROXIMATE LOCATION FOR EXISTING ADDRESSABLE FIRE ALARM CONTROL PANEL TO REMAIN IN SERVICE. 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 WAO SIGNAL CIRCUITS, AND FACT STANDBY CURRENT AND ALARM CURRENT. SEND THE REPORT TO OWNER AND ENGINEER FOR REVIEW, AND PLASTIC LAMINATED ONE COPY INSIDE FACP CABINET DOOR.
 - EXISTING FIRE ALARM DIGITAL VOICE COMMAND CENTER AND INTER CONNECT TO EXISTING FIRE ALARM CONTROL PANEL. SURFACE MOUNT NEXT TO (E) FACE. FILED VERIFY EXACT LOCATION.
 - APPROXIMATE LOCATION FOR EXISTING PA/IC EQUIPMENT IN ADMIN OFFICE. PROVIDE NEW CABLE AND CONNECTION FOR NEW SIGNAL DEVICES PER PLANS.
 - APPROXIMATE LOCATION FOR EXISTING COMPUTER M/D SERVER EQUIPMENT IN ADMIN OFFICE. PROVIDE NEW CABLE AND CONNECTION FOR NEW SIGNAL DEVICES PER PLANS.
 - APPROXIMATE LOCATION FOR EXISTING MASTER INTRUSION ALARM EQUIPMENT IN ADMIN OFFICE. PROVIDE NEW CABLE AND CONNECTION FOR NEW SIGNAL DEVICES PER PLANS.
 - (E) SIGNAL CONDUITS, PULL IN NEW SIGNAL CABLES FOR NEW SIGNAL DEVICES CONNECTION. FIELD VERIFY LOCATION. SEE RISER DIAGRAMS.
 - (E) DIST. PANEL DP. PROVIDE NEW MATCHING BREAKERS AND POWER CONNECTION FOR NEW PORTABLE CLASSROOM BUILDING PRE-WIRED PANELS. SEE SINGLE LINE DIAGRAMS.
 - NEW POWER CONDUIT AND FEEDERS ON EXTERIOR WALL. FILED VERIFY LOCATION. SEE SINGLE LINE DIAGRAMS.
 - EXISTING FIRE ALARM AUDIO AND NAC SIGNAL BOOSTER PANEL AND INTER CONNECT TO EXISTING FIRE ALARM CONTROL PANEL. PROVIDE CONNECTION FOR NEW FA DEVICES PER PLANS. FILED VERIFY EXACT LOCATION.
- (E) INDICATE EXISTING CONDUIT AND WIRING. FOR REFERENCE ONLY. FIELD VERIFY AS REQUIRED.

MEP COMPONENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE ODA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAILS IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1810A.1.18 THROUGH 1810A.1.28 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR REMOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HANG WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- REMOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAIL ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

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

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE ODA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR SHALL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 12.6.A, 13.6.A.6 AND 2013 CBC, SECTION 1810A.1.23, 1810A.1.24, 1810A.1.25 AND 1810A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAIL ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE ODA PRE-APPROVALS (OPM #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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 ARCHITECTURE - ENGINEERING - INTERIOR DESIGN - CONSTRUCTION MANAGEMENT
 130 Fremont, Suite 5070, San Francisco, CA 94105
 Phone (558) 434-0861 Fax (558) 326-0877 E-Mail: design@somam.com
 www.integrateddesigns.com

Rev. No.	Date	Description

SITE PLAN - ELECTRICAL

Project Name & Address:
WASHINGTON MIDDLE SCHOOL
2 RELOCATABLE CLASSROOMS
 BAKERSFIELD CITY SCHOOL DISTRICT
 1101 NOBLE AVE., BAKERSFIELD, CA 93305

Issue Date: 00/00/16
 Date: 06/05/16
 Designer: J CHONG
 DR: J CHONG
 PC: J CHONG

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 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 117154
 DATE JUN 20 2016
 TRACKING #: DSA TRACKING NO

SITE PLAN - ELECTRICAL

SCALE: 1" = 30' - 0"

CONSULTING ENGINEERS
JOHN CHONG ENGINEERING
 1017 E. FEGATLER AVE, FRESNO CA 99710
 (559) 925-9286 • FAX 257-0441
 joengineer@aol.com

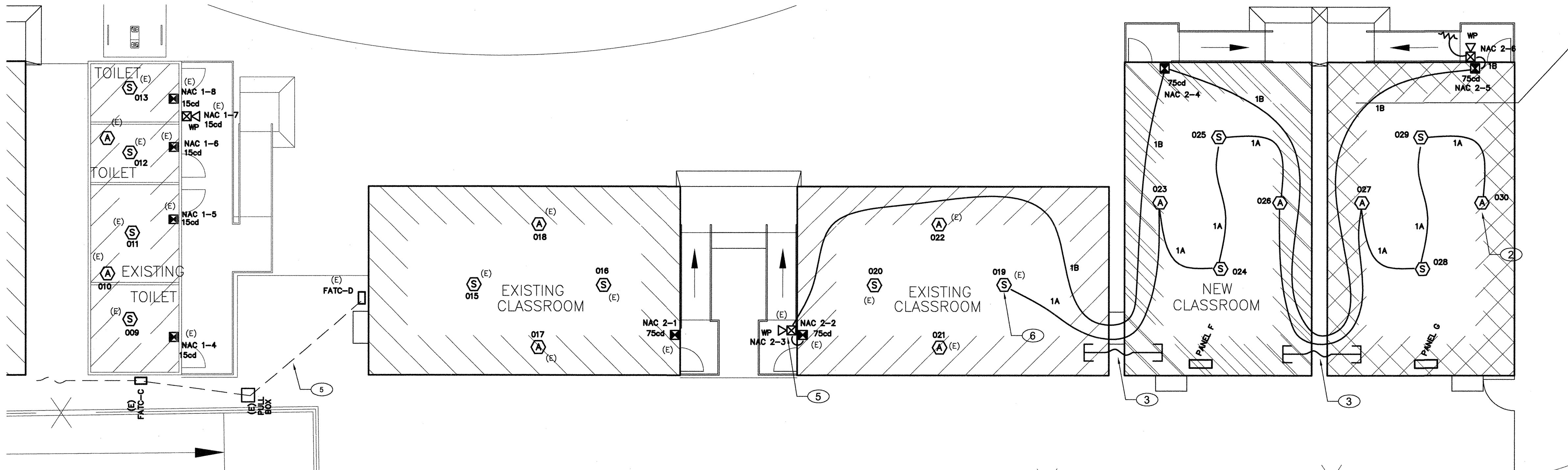
REGISTERED PROFESSIONAL ENGINEER
 JOHN S. CHONG
 E 14419
 Exp. 6/30/2018
 ELECTRICAL
 STATE OF CALIFORNIA

Job No.: **5223**

Sheet No.: **E-1**

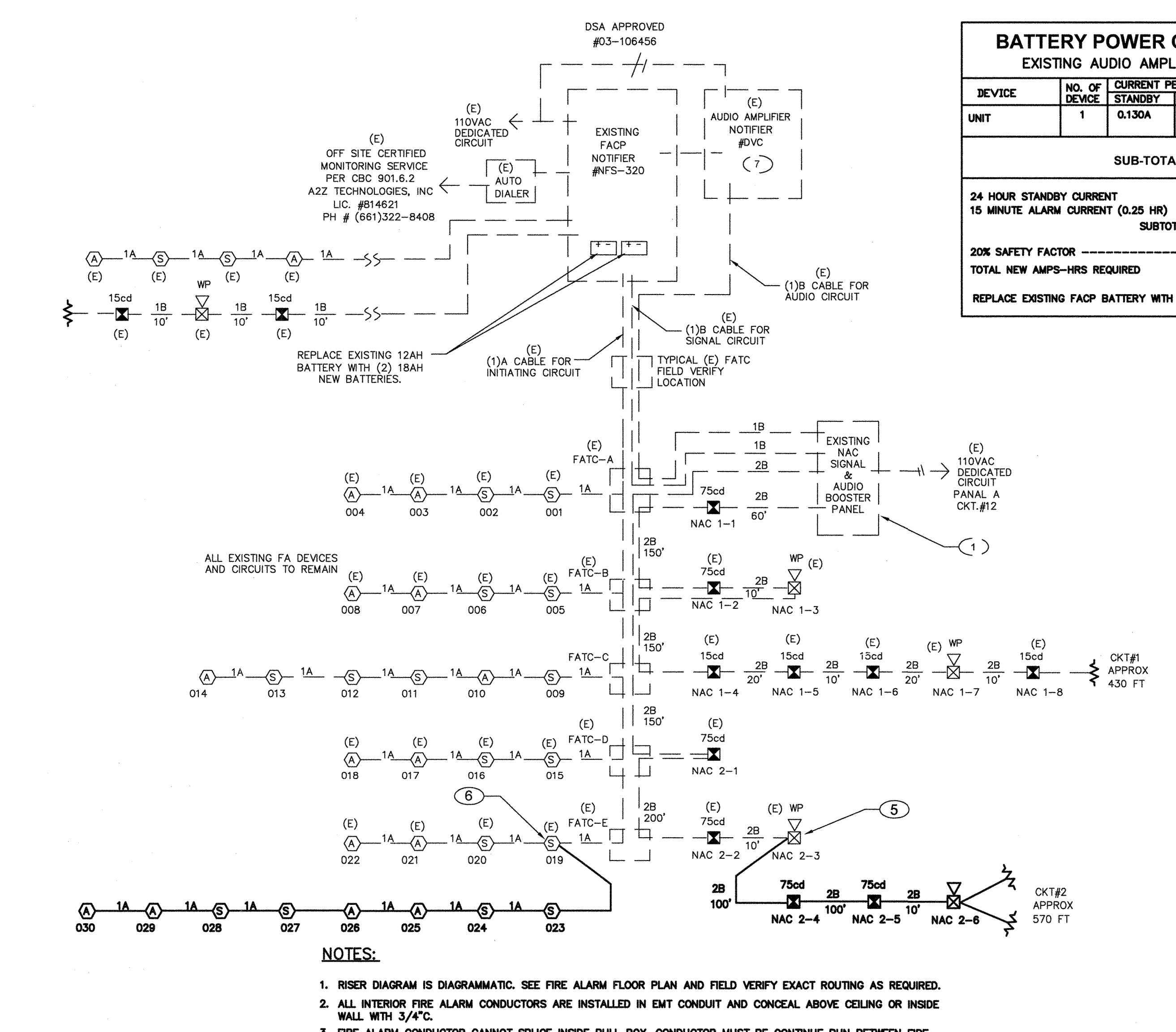
Release:

1" = 40'-0"
1" = 30'-0"
1" = 20'-0"
1" = 1'-0"
1/8" = 1'-0"
1/4" = 1'-0"



FIRE ALARM PLAN

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



FIRE ALARM RISER DIAGRAM

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

N.T.S.

BATTERY POWER CALCULATIONS EXISTING FACP

DEVICE	NO. OF DEVICES	CURRENT PER DEVICE	STANDBY CURRENT	LED CURRENT
EXISTING FIELD MEASURE			0.350A	0.365A
SMOKE DETECTOR	4	0.0003A	0.0012A	0.026A
HEAT DETECTOR	4	0.0003A	0.0012A	0.026A
SUB-TOTAL			0.3524A	0.407A
24 HOUR STANDBY CURRENT			8.458AH	
15 MINUTE ALARM CURRENT (0.25 HR)			0.102AH	
SUBTOTAL			8.560AH	
20% SAFETY FACTOR			1.212AH	
TOTAL NEW AMPS-HRS REQUIRED			10.272AH	

REPLACE EXISTING FACP BATTERY WITH NEW (2) 12AH BATTERIES

BATTERY POWER CALCULATIONS EXISTING AUDIO AMPLIFIER

DEVICE	NO. OF DEVICES	CURRENT PER DEVICE	STANDBY CURRENT	LED CURRENT
UNIT	1	0.130A	1.0A	1.0A
SUB-TOTAL			0.130A	1.0A
24 HOUR STANDBY CURRENT			3.120AH	
15 MINUTE ALARM CURRENT (0.25 HR)			0.250AH	
SUBTOTAL			3.370AH	
20% SAFETY FACTOR			0.674AH	
TOTAL NEW AMPS-HRS REQUIRED			4.044AH	

REPLACE EXISTING FACP BATTERY WITH NEW (2) 12AH BATTERIES

FA CABLE SCHEDULE

TYPE	DESCRIPTION
A	INITIATING CIRCUIT CABLE 2#16 AWG SOLID COPPER PVC JACKET POWER LIMITED FPLR CABLE VIA MIN. 3/4" CONDUIT INSTALLATION. WEST PENN #0990 OR EQUAL.
B	NAC SIGNAL CIRCUIT CABLE 2#12 AWG SOLID COPPER PVC JACKET POWER LIMITED FPLR CABLE VIA MIN. 3/4" CONDUIT INSTALLATION. WEST PENN #A0227 OR EQUAL.

BATTERY POWER CALCULATIONS EXISTING NAC SIGNAL & AUDIO BOOSTER PANEL

DEVICE	NO. OF DEVICES	CURRENT PER DEVICE	STANDBY CURRENT	ALARM CURRENT
EXISTING	1	0.120A	10.26A	0.120A
OUTDOOR SPEAKER	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 75cd	2	---	0.157A	---
AUDIO/VISUAL 110cd	0	---	0.197A	---
SYNC MODULES	0	---	0.045A	---
1.4W SPEAKER	14	---	0.01A	---
SUB-TOTAL			0.120A	10.784A
24 HOUR STANDBY CURRENT			2.880AH	
15 MINUTE ALARM CURRENT (0.25 HR)			2.681AH	
SUBTOTAL			5.571AH	
20% SAFETY FACTOR			1.114AH	
TOTAL AMPS-HRS REQUIRED			6.685AH	

REPLACE EXISTING FACP BATTERY WITH NEW (2) 12AH BATTERIES

VOLTAGE DROP CALCULATION

WORST CASE VOLTAGE DROP AT THE LAST DEVICE

VD = VOLTAGE DROP
I = TOTAL LOAD
K = 21.6
CM = DISTANCE TO THE LOAD
CM = CIRCULAR MILLS (CROSS SECTION OF 12 AWG = 6530)
V = VOLTAGE (24vdc)
VD = K * I * CM * 2

SIGNAL CKT NO.	AMPERES	APPROX LENGTH	RESISTIVITY 2PM	WIRE AREA CM	VOLTS DROPPED	% VOLTS DROP	
0KT. A	0.571A	570'	21.6	12	6530	1.077V	4.5%

SIGNAL CIRCUIT LOAD SUMMARY

OUTDOOR SPEAKER	VISUAL 15cd	SPK/AMP/FRM 15cd	SPK/AMP/FRM 30cd	SPK/AMP/FRM 75cd	SPK/AMP/FRM 110cd	MINI HORN	SYNC MODULE	1.4W SPEAKER
0	0	0	0	3	0	0	0	0.571A

FIRE ALARM SYMBOLS AND SCHEDULE

ITEM	DESCRIPTION	MODEL NUMBER	CSFM NUMBER	MOUNT	BACK BOX
[FACP]	(E) FACP FOR REFERENCE ONLY	NOTIFIER #NFS-320	7165-0028:243	+60"	EQUIPMENT CABINET
[NAC]	NAC SIGNAL AND AUDIO BOOSTER PANEL	WHEELLOCK #SPB-80/4	6911-0785:157	+60"	EQUIPMENT CABINET
[DVC]	DIGITAL VOICE COMMAND CENTER INTERCONNECT WITH (E) FACP IN ADMIN OFFICE	NOTIFIER #DVC SBB-C4 ADDR-C4 (#FS2-640)	7165-0028:243	+60"	EQUIPMENT CABINET
[S]	SPEAKER STROBE WITH EVACUATION SPEAKER	NOTIFIER #SPSV WR	7320-1653:201	+80"	4"SQ X 2 1/2"D
[WP]	OUTDOOR EVACUATION SPEAKER WITH WEATHERPROOF BOX	NOTIFIER #SPRK MMBB	7320-1653:201	+90"	4"SQ X 2 1/2"D
[S]	ADDRESSABLE CEILING SMOKE DETECTOR WITH BASE	NOTIFIER #SP-851/B710P	7272-0028:206	CEILING	4"SQ X 2 1/2"D
[A]	ATTIC HEAT DETECTOR 180F TEMP WITH BASE	NOTIFIER #ST-851H/B710P	7270-0028:196	ATTIC	4"SQ X 2 1/2"D
[A]	FIRE ALARM CABLE POWER LIMITED	WEST PENN AQ SERIES	7161-0859:0101		
[Z]	END OF LINE RESISTOR	N/A	N/A	LAST DEVICE	4"SQ X 2 1/2"D

F.A. MONITORING NOTES

1. 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 UIJFX OR UIJUS BY UNDERWRITERS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 2011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.

COMPLETE AUTOMATIC FIRE ALARM PLAN SUBMITTAL

1. 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.

2. 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 2013 C.F.C. SECTION 210 (C.F.C. SECTIONS 1006.2.4.2.2.1.1 AND 1008.2.4.2.2.1.5)

SHEET NOTES

- EXISTING FIRE ALARM SIGNAL AND AUDIO BOOSTER PANEL AND CONNECT TO (E) FACP PER RISER DIAGRAM. EXISTING 110V POWER CONNECTION AND DEDICATED CIRCUIT FROM PANEL A-12.
- LOCATE HEAT DETECTOR IN ATTIC AND SURFACE MOUNT ON THE BOTTOM OF RAFTER. DETECTOR COVERAGE WILL BE DERIVED 50% ACROSS THE RAFTER. FIELD VERIFY LOCATION WITH GENERAL CONTRACTOR AND PROVIDE ATTIC HEAT DETECTOR IN EACH BAY OF STRUCTURAL.
- PROVIDE 3/4" WEATHERPROOF FLEX CONDUIT BETWEEN BUILDING.
- EXISTING FIRE ALARM DIGITAL VOICE COMMAND CENTER AND INTER CONNECT TO EXISTING FIRE ALARM CONTROL PANEL AND SURFACE MOUNT NEXT TO (E) FACE. FIELD VERIFY EXACT LOCATION.
- EXTEND EXISTING NAC SIGNAL CIRCUIT TO NEW BUILDING PER PLANS. FIELD VERIFY EXACT LOCATION.
- EXTEND EXISTING INITIATING CIRCUIT TO NEW BUILDING PER PLANS. FIELD VERIFY EXACT LOCATION.

F.A SYSTEM SCOPE OF WORK

- PROVIDE AUTOMATIC FIRE ALARM SYSTEM WITH VOICE EVACUATION SPEAKERS FOR THE 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

- APPLICABLE STANDARD 2013 NFPA 72
- INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN APPROVED BY DSA.
- COMPLETION OF THE INSTALLATION OF THE SYSTEMS, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.
- A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
- ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.
- DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
- PENETRATIONS THROUGH RATED ASSEMBLIES, REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER LAB TESTING CRITERIA. APPROVED TYPE OF MATERIALS SHALL BE IDENTIFIED WITHIN THE SPECIFICATION WITHIN THE FIRE ALARM SECTION.
- ALL MOUNTED VISUAL NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.
- ALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 80" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THAN 6" TO A HORIZONTAL STRUCTURE.
- AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECBELS (Db) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 DBa ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPYABLE SPACE WITHIN THE BUILDING.
- AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.
- THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
- VISUAL DEVICES SHOULD NOT EXCEED 2 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISUAL DEVICES WITHIN 5' FROM EACH OTHER SHALL BE SYNCHRONIZED.
- UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATERTIGHT FITTINGS AND WIRE TO BE APPROVAL FOR WET LOCATIONS.
- ALL FIRE ALARM WIRING SHALL BE FLP OR PFLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THHN OR THWN.
- PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
- SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
- ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILING, UNDER FLOORS AND IN WALLS IN A MANNER AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
- FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED THE WEIGHT OF 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
- A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE 'ON' POSITION. THE CIRCUIT BREAKER SHALL BE LABELED 'FIRE ALARM CIRCUIT CONTROL'. CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS.
- THE INSTALLING CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION PER NFPA 72, FIGURE 10.18.2.1.1.
- CONTROL PANELS, REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48"
- THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
- SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
- OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.

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101 E. DECATUR AVE, FRESNO, CALIFORNIA 93710
Phone (559) 438-0081 Fax (559) 438-0087 E-Mail: design@somam.com
www.integrateddesigns.com

Project Name & Address
**WASHINGTON MIDDLE SCHOOL
2 RELOCATABLE CLASSROOMS**
BAKERSFIELD CITY SCHOOL DISTRICT
1101 NOBLE AVE., BAKERSFIELD, CA 93305

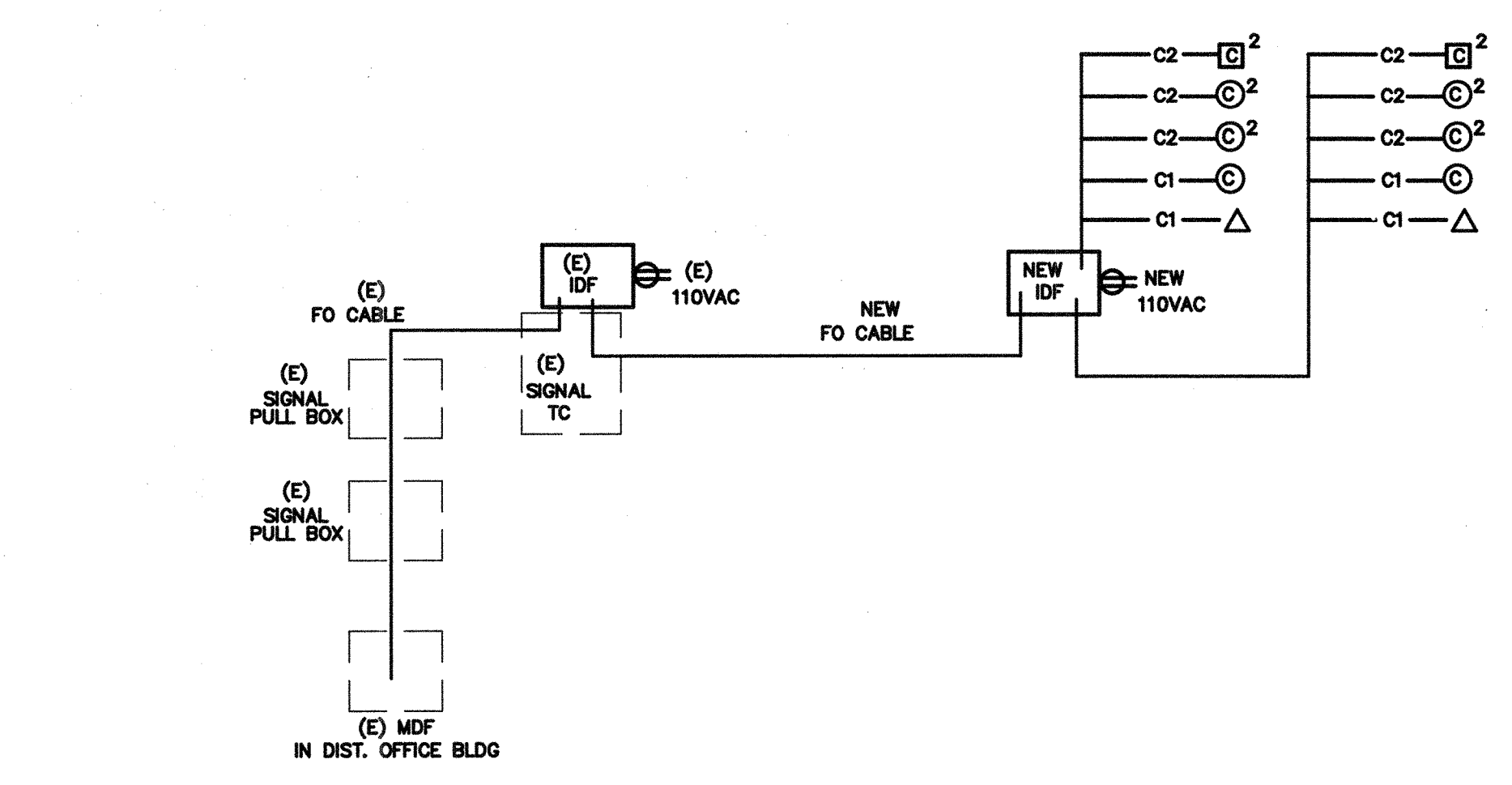
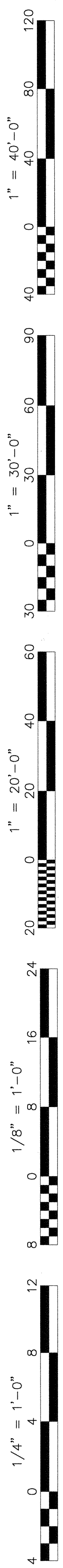
Issue Date: 06/00/16
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DR: J CHONG
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CONSULTING ENGINEERS
JOHN CHONG ENGINEERING
101 E. DECATUR AVE, FRESNO CA 93710
(559) 215-9266 • FAX 251-3411
jchong1near@aol.com

REGISTERED PROFESSIONAL ENGINEER
JOHN S. CHONG
E 14419
Exp. 8/30/2018
ELECTRICAL
STATE OF CALIFORNIA



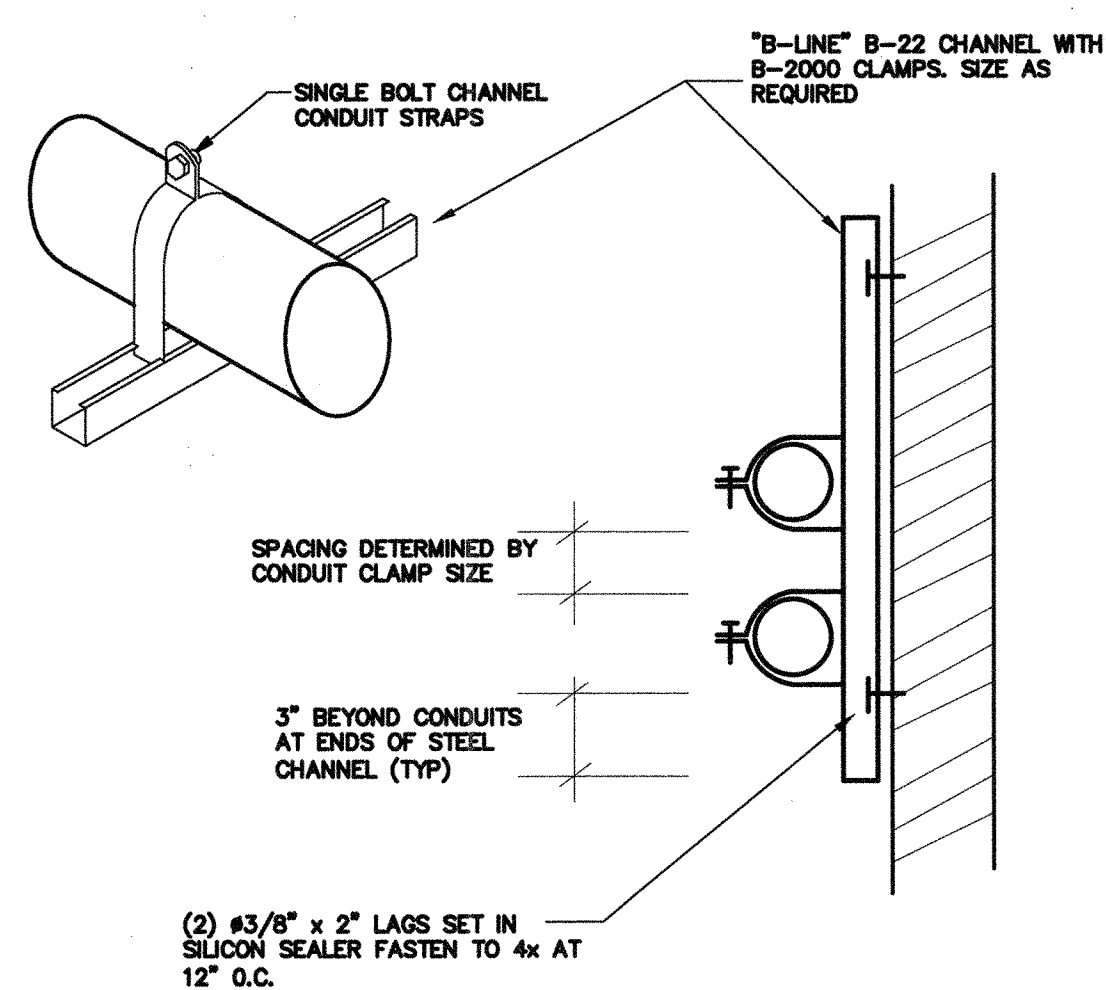
FIBER OPTIC CABLE
THREE MULTIMODE PAIRS (SIX STRANDS) AND THREE SINGLE-MODE PAIRS (SIX STRANDS)
OPTICAL CABLE COMPANY # DX 12/0650-6W358/UC-6SYM-C/YMD/900-OFNR OF EQUAL
PLATE CABLE
SENPA24-BL-BER-PV OR EQUAL
CABLE TESTING
ALL FIBER OPTIC CABLE MUST BE TESTED TO SUPPORT 1000BASE-FX FULL DUPLEX STANDARDS.
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-C2950G-24 W/ WS-C5484 GBIC
TP CISCO WS-C2950-24
CABINETS SOUTH WESTERN DATA PRODUCT SWE 4000-18UBDLK OR EQUAL
JACKS ALLEN TEL AT5-18 OR EQUAL
FACEPLATE ALLEN TEL AT30-2-09 OR EQUAL
PATCH PANEL ALLEN TEL ATPNL-24 OR EQUAL

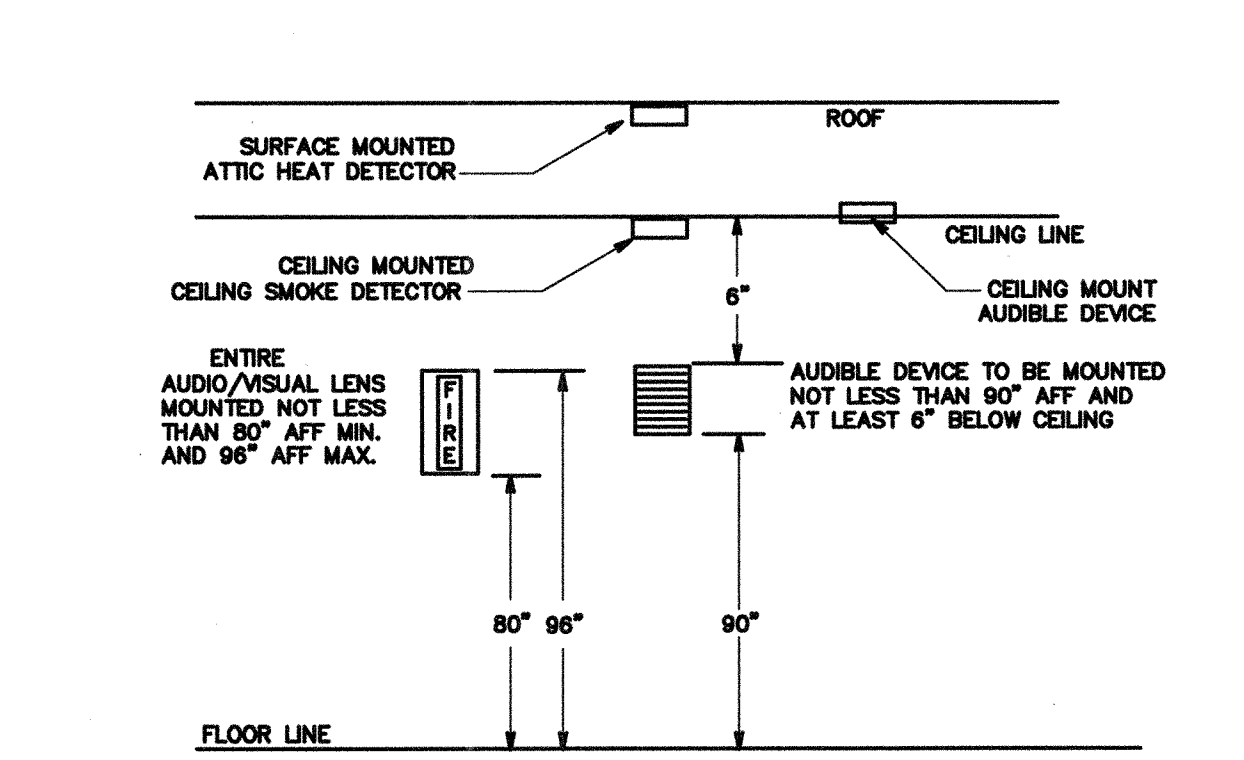
LABELING IDENTIFICATION
ALL INSTALLED EQUIPMENT, CABLES, TERMINATIONS, ETC. WILL BE PERMANENTLY AND UNIQUELY MARKED. CABLES WILL BE MARKED USING A CONVENTION THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION. LAN TERMINATIONS WILL SIMILARLY BE MARKED TO UNIQUELY IDENTIFY THEM WHILE PROVIDING THE SOURCE AND 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.

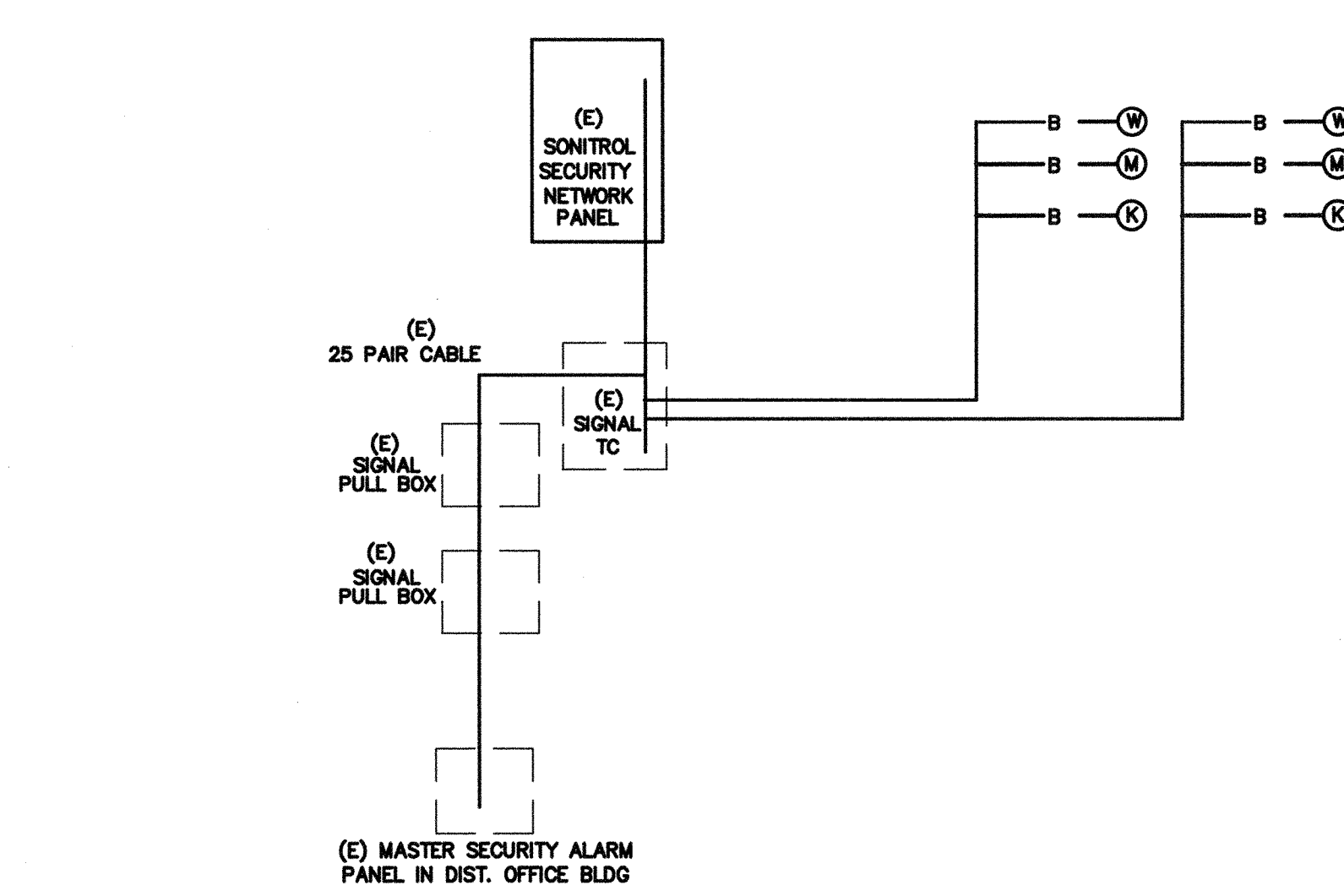
7 DATA COMMUNICATION SYSTEM RISER DIAGRAM N.T.S.



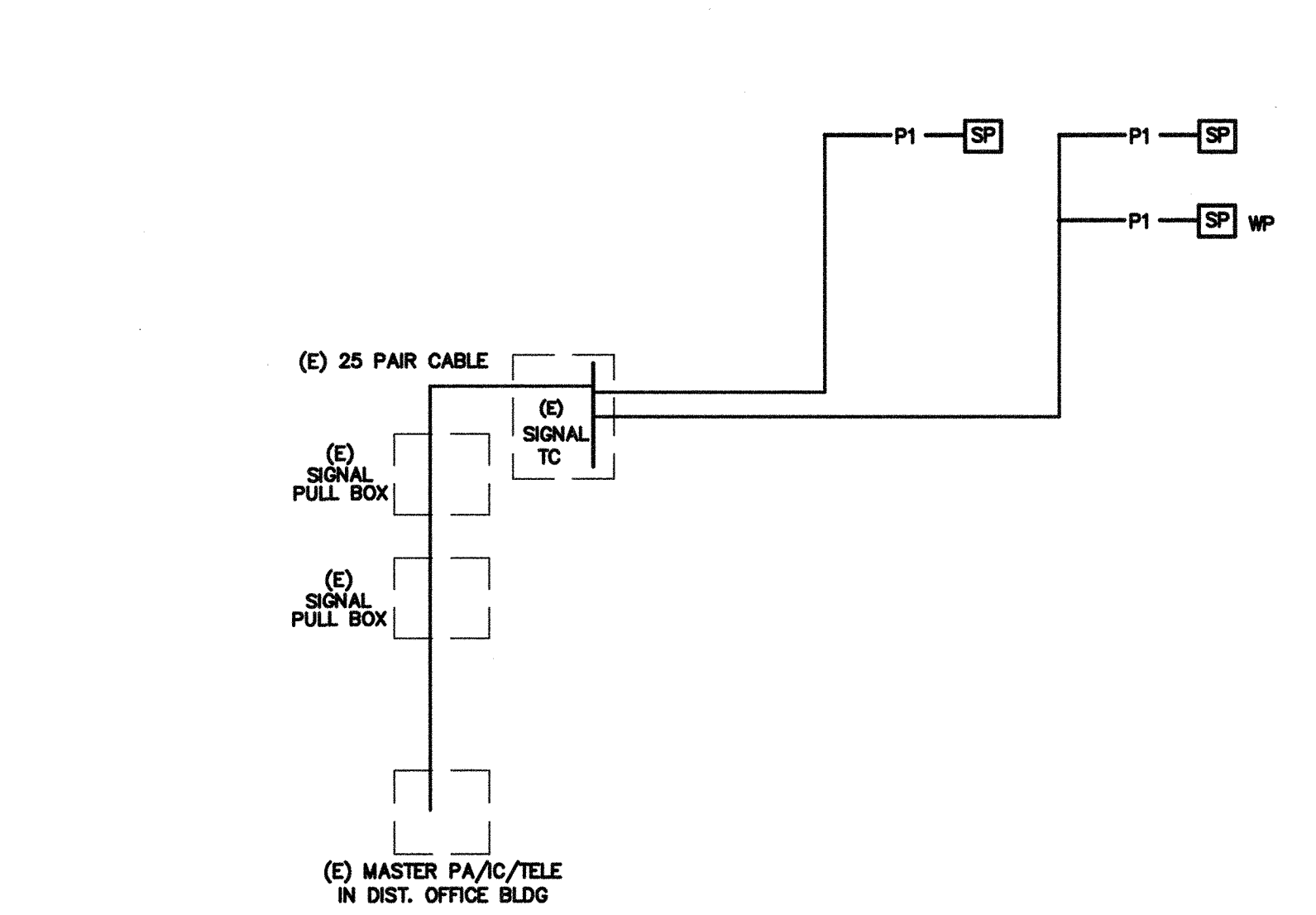
6 CONDUIT SUPPORT DETAIL N.T.S.



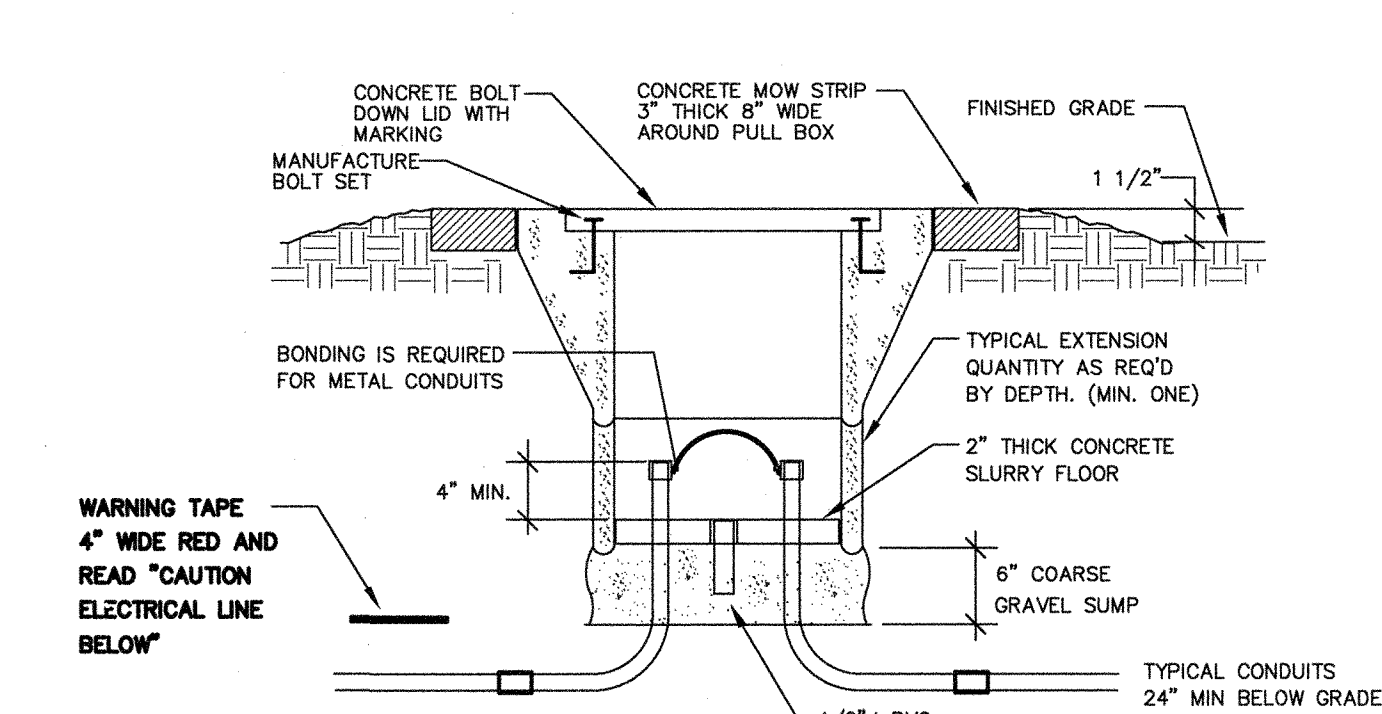
8 TYPICAL FIRE ALARM DEVICES MT'D DETAIL N.T.S.



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

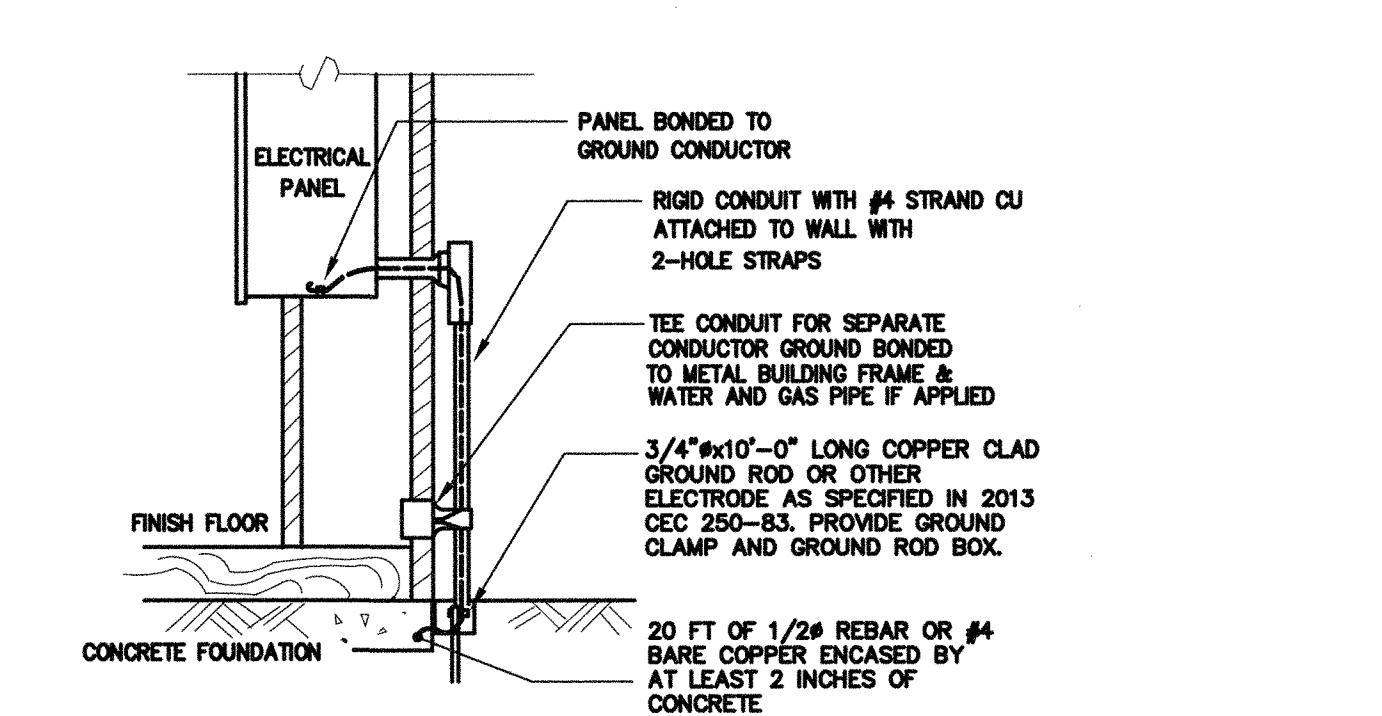


2 PA/IC/TELE SYSTEM RISER DIAGRAM N.T.S.



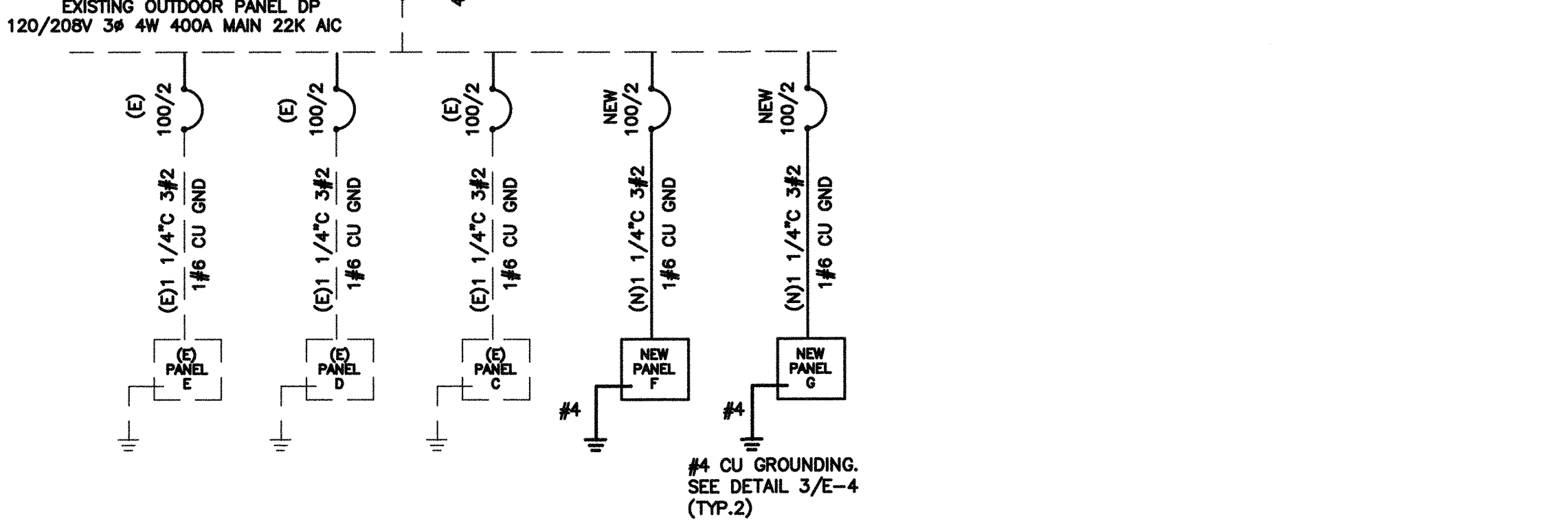
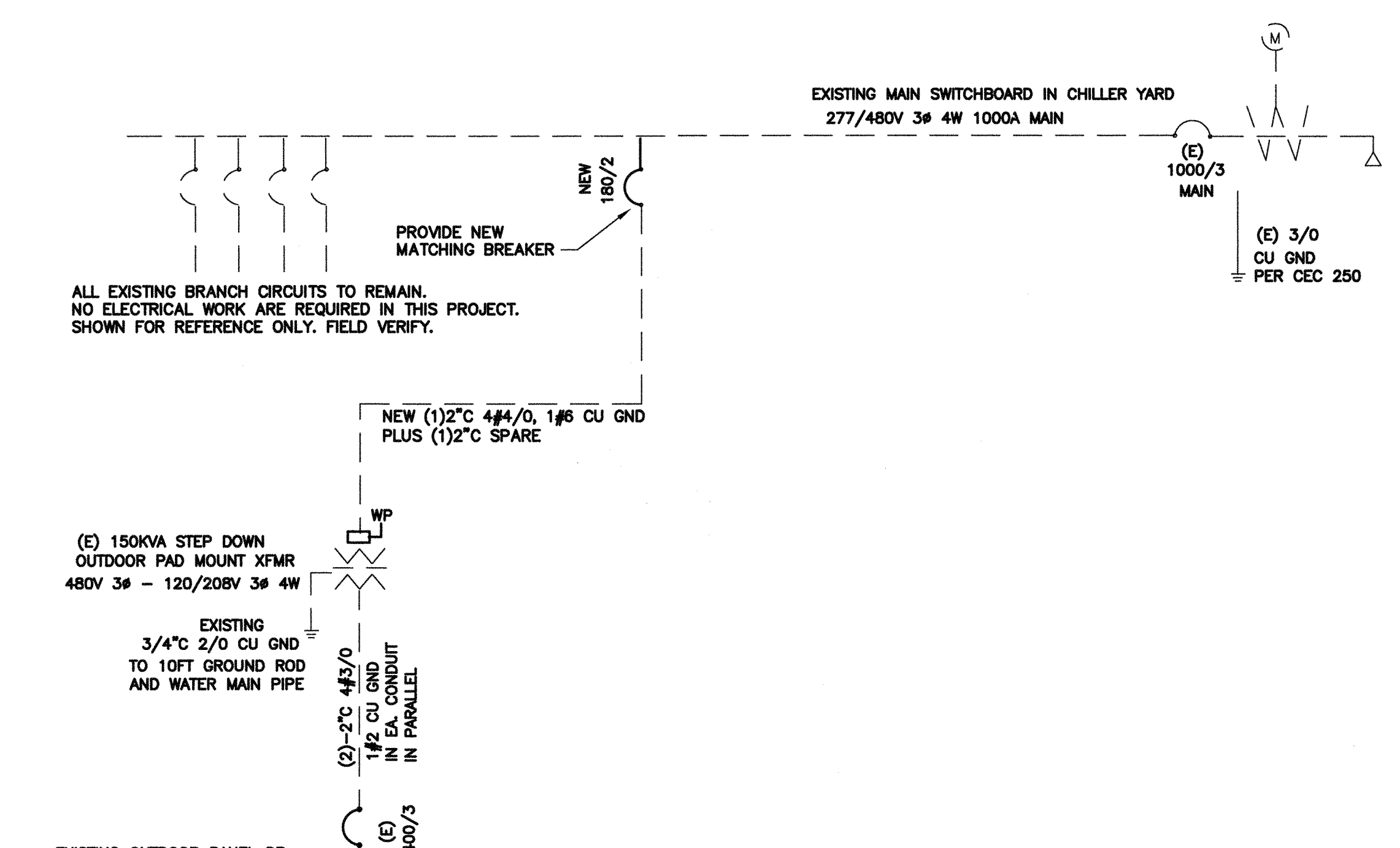
NOTES:
WHERE PULL BOX IS LOCATED WITHIN 30" OF A FOUNDATION OR SIDE WALK, PULL BOX SHALL BE SET FLUSH WITH THE ADJACENT SURFACE, MOW STRIP CONCRETE SHALL BE POURED FLUSH WITH FOUNDATION OR SIDE WALK.

4 PULL BOX AT OPEN YARD DETAIL N.T.S.



NOTES:
1. SIZE OF CONDUCTORS SHALL COMPLY WITH 2013 CEC TABLE 250-66.
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL BUILDING FRAME PER 2013 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 EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (2013 CEC 250-84).
5. FIELD INSPECTOR SHALL WITNESS GROUNDING TEST.

3 GROUNDING DETAIL N.T.S.



NOTES:
1. PROVIDE NEW MATCHING BREAKERS, FEEDERS AND PANELS PER PLANS.
2. ALL NEW CONDUCTOR SHALL BE 75°C 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, XFMR O.C.P.C. PANEL, ETC. CONDUCTORS INSTALLED IN U.G OR WET LOCATIONS SHALL BE MARKER 'W'. PER 2013 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. STEEL BACK BOX SHALL BE PROVIDE FOR ALL NEW ELECTRICAL DEVICES SUCH AS SWITCH, OUTLET AND CONDUCTOR SPLICE.
5. 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.

1 SINGLE LINE DIAGRAM N.T.S.

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Phone (559) 438-0861 Fax (559) 438-0867 E-Mail: design@somam.com
www.integrateddesigns.com

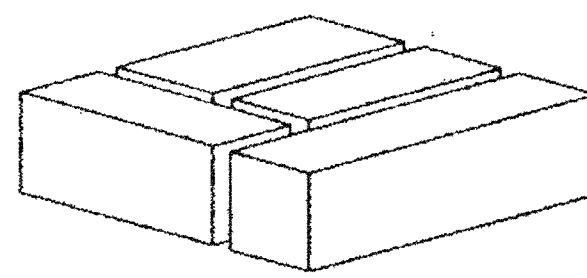
Issue Date: 00/00/16
Date: 06/05/16
Designer: J CHONG
DR: J CHONG
PC: J CHONG

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
117154
DATE JUN 20 2016
TRACKING #: DSA TRACKING NO

Job No.: 5223
Sheet No.: E-4
Release:

CONSULTING ENGINEERS
JOHN CHONG ENGINEERING
1011 E. DECATUR AVE. FRESNO CA 93710
(559) 315-9266 • FAX 315-3441
jchong@eao1.com

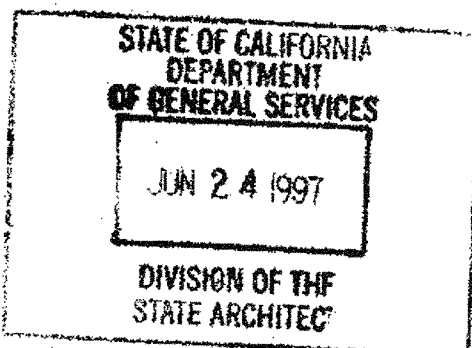
REGISTERED PROFESSIONAL ENGINEER
JOHN S. CHONG
E 14419
Exp. 6/30/2018
ELECTRICAL
STATE OF CALIFORNIA



MSI

MODULAR STRUCTURES INTERNATIONAL, Inc.

920 CITRUS AVE. RIVERSIDE, CA. 92507
PHONE (909) 788-3035 FAX (909) 788-1523



FROM STOCKPILE TO
SITE SPECIFIC
RELOCATION PCKGE.

24' X 40'

RELOCATABLE CLASSROOM BUILDING

PC #323

G.E. CAPITAL MODULAR SPACE 300 BUILDINGS STOCKPILE

APPLICABLE CODES - NEW CONSTRUCTION

NFPA 13- AUTOMATIC SPRINKLER SYSTEMS,	1994 EDITION
NFPA 14- STANDPIPES SYSTEMS,	1993 EDITION
NFPA 17A- WET CHEMICAL SYSTEMS,	1990 EDITION
NFPA 24- PRIVATE FIRE MAINS,	1992 EDITION
NFPA 253- CRITICAL RADIANT FLUX OF COVERING SYSTEMS,	1989 EDITION
NFPA 2001- CLEAN AGENT FIRE EXTINGUISHING SYSTEMS,	1994 EDITION
NFPA 72 - NATIONAL FIRE ALARM CODE	1993 EDITION

1994 UBC AND 1995 CALIFORNIA AMENDMENTS (95 CALIFORNIA BUILDING CODE - PART 12, TITLE 24, CCR)
 1993 UEC AND 1995 CALIFORNIA AMENDMENTS (95 CALIFORNIA ELECTRICAL CODE - PART 3, TITLE 24, CCR)
 1994 UMC AND 1995 CALIFORNIA AMENDMENTS (95 CALIFORNIA MECHANICAL CODE - PART 4, TITLE 24, CCR)
 1994 UPC AND 1995 CALIFORNIA AMENDMENTS (95 CALIFORNIA PLUMBING CODE - PART 5, TITLE 24, CCR)
 1994 UNIFORM FIRE CODE WITH STATE AMENDMENTS (CALIFORNIA FIRE CODE - PART 9, TITLE 24, CCR)
 1994 BUILDING STANDARDS CODE (1995 STATE REFERENCED STANDARDS CODE - PART 12, TITLE 24, CCR)
 TITLE 19, C.C.R., PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS.

OMIT	PAGE	DESCRIPTION	OMIT	PAGE	DESCRIPTION
	T	TITLE SHEET		S-1	STRUCTURAL GENERAL NOTE
	G-1	GENERAL SPECIFICATIONS			
	G-3	ARCHITECTURAL STANDARD DETAILS		S-5A	DOUBLE SLOPE COLD ROLLED/TRUSS RIGID FRAME
	G-4	PLUMBING GENERAL NOTE AND DETAILS		S-10	FLOOR CONSTRUCTION (40' & 50' PSF)
	A-1-24	24'x40' FLOOR PLAN		S-11	FLOOR CONSTRUCTION DETAILS
	A-1-36	36'x40' FLOOR PLAN		S-20	SINGLE OR DOUBLE ROOF PITCH
	A-1-48	48'x40' FLOOR PLAN		S-25	STEEL FRAMING DETAIL
	A-2-24	24'x40' EXTERIOR ELEVATION		S-26	STEEL FRAMING DETAIL
	A-2-36	36'x40' EXTERIOR ELEVATION		S-30	GENERAL INT. AND EXT. WALL CONSTRUCTION DETAILS
	A-2-48	48'x40' EXTERIOR ELEVATION		S-40	GENERAL ROOF CONSTRUCTION LAYOUT
	A-3-24	24'x40' ROOF PLAN		S-50	ROOF CONSTRUCTION DETAILS FOR 'C' CHANNEL WITH 22 GA. METAL ROOFING
	A-3-36	36'x40' ROOF PLAN		S-52	ROOF CONSTRUCTION DETAILS FOR 'C' CHANNEL WITH PLYWOOD
	A-3-48	48'x40' ROOF PLAN		S-60	ROOF CONSTRUCTION DETAILS FOR COLD ROLLED WITH METAL ROOFING
	A-4-24	24'x40' INTERIOR ELEVATION		S-62	ROOF CONSTRUCTION DETAILS FOR COLD ROLLED AND PLYWOOD ROOFING
	A-4-36	36'x40' INTERIOR ELEVATION		S-70	STEEL TRUSS FOR DOUBLE PITCH ROOF
	A-4-48	48'x40' INTERIOR ELEVATION		F-1	WOOD FOUNDATION
	A-6-24	24'x40' REFLECTED CEILING PLAN & DETAILS			
	A-6-36	36'x40' REFLECTED CEILING PLAN & DETAILS			
	A-6-48	48'x40' REFLECTED CEILING PLAN & DETAILS			
	M-1-24	24'x40' MECHANICAL PLAN		R-3	RAMP FRAMING PLAN AND DETAILS
	M-1-36	36'x40' MECHANICAL PLAN		R-2	STEEL STAIR DETAILS
	M-1-48	48'x40' MECHANICAL PLAN			
	E-1-24	24'x40' ELECTRICAL PLAN			
	E-1-36	36'x40' ELECTRICAL PLAN			
	E-1-48	48'x40' ELECTRICAL PLAN			

BUILDING DATA

OCCUPANCY	E-1 AND E-2	
TYPE OF CONSTRUCTION	V - N	
WIND LOAD	70 MPH. EXP. 'C'	
FLOOR LIVE LOAD	50 PSF	50 PSF + 20 PSF PARTITIONS + 100 PSF FLOOR L.L.
ROOF LIVE LOAD	20 PSF (REDUCIBLE FOR AREA)	30 PSF
BUILDING AREA	960, 1440 & 1920 SQ. FT.	
STRUCTURAL DESIGN	RIGID FRAME	

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ARCHITECT APPROVAL

MODULAR STRUCTURES INTERNATIONAL, INC.
920 CITRUS AVE. RIVERSIDE, CALIFORNIA 92507
PHONE: (909) 788-3035 FAX: (909) 788-1523

STRUCTURAL ENGINEERS STAMP

REGENCY ENGINEERING & CONSULTING GROUP
17165 W. KAMAH, SUITE # 108
IRVINE, CA 92714
TELEPHONE: (714) 866-9799
FAX: (714) 866-9795
A SUBSIDIARY OF REGENCY COMPANY, INC.

STATE AGENCY APPROVAL

PROJECT
24'x40', 36'x40' & 48'x40'
MODULAR CLASSROOM BUILDINGS
G.E. CAPITAL MODULAR SPACE

TITLE
TITLE SHEET AND BUILDING DATA

JOB # 96-1310

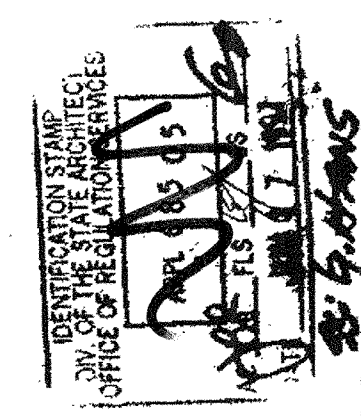
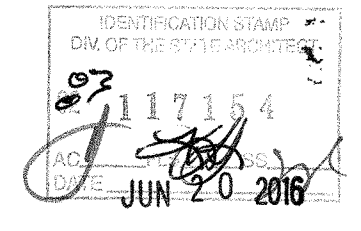
DATE 12/9/96

DRAWN BY B.N.

SCALE NONE

APPROVED

REVISIONS
 Δ 2/4/97
 Δ 3/17/97
 Δ 4/25/97 MSI REV.



PLOT DATE: 04/28/97

SHEET NO. T

PC-323

GENERAL SPECIFICATIONS

A. MATERIALS AND WORKMANSHIP:

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED.

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

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

B. GENERAL DESIGN REQUIREMENTS:

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH A METAL IDENTIFICATION TAG 3" x 1 1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

- A. D.S.A. APPROVAL NUMBER
B. DESIGN WIND LOAD
C. DESIGN ROOF LIVE LOAD
D. DESIGN FLOOR LIVE LOAD
E. BUILDER'S NAME
F. PLANT INSPECTOR/AD MARK

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

EACH 12'-0" WIDE MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LOOPS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE, SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

C. FRAMING: ROOF, WALLS AND FLOOR:

FRAMING MEMBERS SHALL BE OF THE GRADE AND SIZE CALLED FOR ON THE STRUCTURAL PLANS.

D. MOISTURE BARRIER:

ALL WEATHER-EXPOSED SURFACES SHALL HAVE A WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING. SUCH BARRIER SHALL BE EQUAL TO THAT PROVIDED FOR IN THE U.B.C. STANDARD NO. 141 FOR KRAFT WATERPROOF FELT. BARRIER SHALL BE FREE FROM HOLES AND BREAKS OTHER THAN THOSE CREATED BY FASTENERS AND CONSTRUCTION SYSTEM DUE TO ATTACHING OF THE BUILDING PAPER.

E. ZBAR:

ALL HORIZONTAL JOINTS IN SIDING SHALL BE PROTECTED BY GALVANIZED Z BAR- 3/4 x 6/8 x 3/4" FLASHING.

FLASHING NEED NOT BE USED WHERE SHORING MEETS THE UNDERSIDE OF AN EXPOSED METAL FRAME, AND THE SHORING IS RECESSED SUFFICIENTLY TO PROTECT THE TOP EDGE OF PLYWOOD.

F. ROOF OVERHANGS:

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

G. ENTRY LANDING AND RAMPS:

EACH MODULE SHALL HAVE A LANDING(S) AND RAMP(S) TO CONFORM TO TITLE 24, C.C.R. SECTION 1007. THE LANDING(S) AND RAMP(S) STRUCTURE INCLUDING HANDRAIL AND WHEEL GUIDES, PREFABRICATED METAL LANDINGS AND RAMPS SHALL BE BUILT IN SECTIONS THAT ARE DEMOUNTABLE FOR MOVING AND REINSTALLATION AT A NEW SITE. THERE SHALL BE SUFFICIENT CROSS BRACING UNDER THE RAMP SURFACE TO PREVENT BOUNCING OR OIL CHANNING ON THE RAMP SURFACE. DESIGN SHALL BE SUCH THAT HEIGHT ADJUSTMENT CAN BE MADE AT THE INSTALLATION SITE. RAMP SHALL HAVE 30RD RESISTANT METAL OR WOOD SURFACE.

H. ELECTRICAL MATERIALS:

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

ACCEPTABLE CONDUIT:

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

ALL CONDUITS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND SHALL BE SECURED IN CONFORMANCE WITH C.E.C. FIELD BENDS SHALL BE AVOIDED WHEREVER POSSIBLE. WHERE BENDS MUST BE MADE, USE AN APPROPRIATE "HICKEY" OR BENDING MACHINE. REAM AND DEBUR ALL CONDUIT PRIOR TO INSTALLATION AND TERMINATE IN APPROPRIATE BUSHINGS OR CONNECTORS. JACKET WIRING SHALL BE #14 MIN. COPPER TYPE TW, THW, THWN AS APPLICABLE. CONDUIT FILL SHALL NOT EXCEED REQUIREMENTS OF C.E.C. A SEPARATE GROUNDING CONDUCTOR SHALL BE PULLED THROUGHOUT THE ENTIRE SYSTEM. CARE SHALL BE TAKEN TO AVOID DAMAGE TO WIRE OR INSULATION DURING PULLING. POWERED SOAPSTONE OR A PULLING COMPOUND SUCH AS "YELLOW 77" LUBRICANT MAY BE USED IF NECESSARY.

GENERAL NOTES:

ALL WORK TO BE IN ACCORDANCE WITH REQUIREMENTS OF CALIFORNIA BUILDING CODE, TITLE 24, PART 2.3, 4.5, 9 AND TITLE 24, PART 1, GROUP 1. A COPY OF THESE REGULATIONS SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.

PLANS AND SPECIFICATIONS: CHANGES IN PLANS AND SPECIFICATIONS SHALL BE MADE BY THE ADDENDUM OR CHANGE ORDER, SIGNED BY THE ARCHITECT AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. CHANGE ORDERS SHALL ALSO BE SIGNED BY THE OWNER PRIOR TO APPROVAL BY DSA.

TESTING: TESTS OF MATERIALS SHALL BE BY A PERSON OR TESTING LABORATORY SELECTED BY THE OWNER WITH THE APPROVAL OF DSA AND ARCHITECT. THE OWNER SHALL BE RESPONSIBLE FOR THE COST OF TESTING, EXCEPT FOR THE RETESTING REQUIRED BY THE FAILURE OF ANY MATERIAL TO PASS.

RELOCATION AT THE SITE: THE BUILDING SHALL BE TRANSPORTED, ERECTED AND SET ON FOUNDATION AS REQUIRED BY A LICENSED TRANSPORTER. ALL REQUIRED FINISH WORK SHALL BE COMPLETED BY SKILLED LABOR OF THE MANUFACTURER/CONTRACTOR, BUT WILL NOT INCLUDE UTILITIES SERVICE CONNECTION.

SIZE: THE OWNER, UNLESS OTHERWISE SHOWN ON THE APPROVED PLANS, WILL PROVIDE SITE(S) SATISFACTORY TO THE ARCHITECT OR ENGINEER FOR THE INSTALLATION OF THE RELOCATABLE BUILDING(S) THAT ARE LEVEL AND HAVE STABLE SOIL CONDITIONS WITH ADEQUATE SITE DRAINAGE, EXCEPT IF DESIGNATED IN THE CONTRACT DOCUMENTS AS THE RESPONSIBILITY OF THE MANUFACTURER/CONTRACTOR. IF ADDITIONAL GRADING AND/OR LEVELING IS NECESSARY FOR PROPER INSTALLATION OF MODULAR UNITS, THE ADDITIONAL CHARGE WILL BE THE RESPONSIBILITY OF THE OWNER.

UTILITIES: THE OWNER WILL BE RESPONSIBLE FOR ANY AND ALL UTILITY, FIRE ALARM OR SPECIAL ELECTRICAL SIGNAL SYSTEM CONNECTIONS EXCEPT IF DESIGNATED IN THE CONTRACT DOCUMENTS AS THE RESPONSIBILITY OF THE MANUFACTURER/CONTRACTOR.

FIRE EXTINGUISHER: UL2A-100B, PRESSURE TYPE, MAX. 4# TO EXTINGUISHER HANDLE - SEE SPECIFICATION SHEET.

BUILDING INSULATION: SHALL COMPLY WITH CALIFORNIA QUALITY STANDARDS FOR INSULATING MATERIAL. FLAME SPREAD - MAX. 25, SMOKE DEVELOP - MAX. 450 CBC SEC. 1510. SEE SPECIFICATION SHEET.

FIRE ALARM SYSTEM: - SEE SPECIFICATION SHEET

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO CALIFORNIA BUILDING CODE SECTION 305.9, AND CALIFORNIA ELECTRICAL CODE ARTICLE 760, CALIFORNIA FIRE CODE, ARTICLE 10.1, 1993 EDITION NFPA 72, NATIONAL FIRE ALARM CODE.

2. INSTALLATION OF THE FIRE PROTECTIVE SIGNALING SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBER FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY DSA.

3. UPON COMPLETION OF THE INSTALLATION OF THE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY.

4. ALARMS - SECTION 3504.1, CALIFORNIA BUILDING CODE. IF EMERGENCY WARNING SYSTEMS ARE REQUIRED, THEY SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNING SHALL HAVE A FREQUENCY OF NOT MORE THAN 60 FLASHES PER MINUTE. (A) LOCATE PER CBC 3504.1, SECTION 2-4.8.1

K. GROUNDING OF BUILDING COMPONENTS

1. THE OWNER, UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS, SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY GROUNDING OF THE BUILDING ELECTRICAL SYSTEM PER CBC 250-81, 250-83 AND 250-84. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY GROUNDING OF THE METAL PORTION BUILDING COMPONENTS (METAL FRAMED STEEL RAMP, ETC.) TO MEET THE REQUIREMENTS OF IRC NO. 9-1, ISSUED BY O.S.A. 3. THE PROJECT INSPECTOR SHALL WITNESS AND VERIFY THE GROUNDING TESTS.

L. MECHANICAL

1. FACTORY-MADE AIR DUCTS: FACTORY-MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF C.M.C. STANDARD NO. 10-1. EACH PORTION OF A FACTORY-MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE WITH C.M.C. STANDARD NO. 10-1 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING.

2. INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN BUILDINGS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE DENSITY OF NOT MORE THAN 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVES AS NORMALLY APPLIED.

3. MATERIAL EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME-SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE-DEVELOPMENT RATING OF NOT MORE THAN 50.

4. AIR FILTERS: AIR FILTERS SHALL BE LISTED UNITS PER U.F.C. STANDARD NO. 9-6. AIR FILTERS SHALL COMPLY WITH ALL REQUIREMENTS OF STATE STANDARD NO. 12-71-1. SHALL COMPLY WITH CMC 403 CLASS II.

5. PIPE AND TUBING INSULATION AND COVERING ON PIPE AND TUBING SHALL HAVE A FLAME SPREAD-RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH CBC SECTION 707.2

VARIABLE SPECIFICATIONS

1. FOUNDATION
1) 50PSF PT WOOD PADS
2) 125PSF PT WOOD PADS
3) CONCRETE PSF

2. FOUNDATION VENTS
PROVIDE ONE SQUARE FOOT OF NET FREE FLOW AREA PER 150 SQUARE FEET OF FOUNDATION PERIMETER.
1) SCREEN METAL
2) OTHER

3. RAMPS, LANDING AND STAIRS
1) PORTABLE STEEL MODULES
2) CONCRETE, PROVIDE STEEL HANDRAILS
3) OTHER

4. ROOF OVERHANGS
1) 5'-0" AT FRONT, 2'-0" AT REAR
2) 5'-0" AT BOTH FRONT AND REAR
3) OTHER

5. DROP SOFFIT
1) MATCH RAFTER SIZE
2) OPEN SOFFIT
3) CLOSED SOFFIT
4) OTHER

6. EXTERIOR PLYWOOD SIDING (STRUCTURAL)
EXTERIOR SIDING MUST MEET MINIMUM STRUCTURAL REQUIREMENTS SPECIFIED IN GENERAL SPECIFICATIONS PARAGRAPH 2.
1) 5/8" 4#8 DURATEMP APA RATED SIDING GROOVED AT 8" O.C. OR EQUIV.
2) 5/8" 4#8 MDO APA 303-0L GROOVED AT 8" O.C.
3) 5/8" 4#8 71-11 APA 303 GROOVED AT 8" O.C.
4) OTHER

7. PLYWOOD SHORING (NON-STRUCTURAL)
1) 5/8" NON-GROOVED DURATEMP APA RATED SIDING, OR EQUIV.
2) 5/8" MDO APA 303-0L GROOVED AT 8" O.C.
3) OTHER

8. FASCIA AND CLOSE-UP TRIM (NON-STRUCTURAL)
1) 1/2" THICK TEXTURED HARDBOARD
2) OTHER

9. DOOR, WINDOW AND CORNER TRIM (NON-STRUCTURAL)
1) 1# RESIN W/SPRUE
2) OTHER 1/2" THICK TEXTURED HARDBOARD

10. GUTTERS AND DOWN SPOUTS
PROVIDE ONE SET PER BUILDING MODULE
1) 2# GA GALVANIZED STEEL
2) HEAVY DUTY DOWN-SPOUTS 2# GA.
3) OTHER

11. PAINT
EXPOSED STEEL PAINTED WITH PRIMER FOR WEATHER PROTECTION THEN WITH ALUM FINISH OVER SHOP PRIMER USING ENAMEL DURN EDWARDS OR EQUIV. EXPOSED WOOD PAINTED WITH 1-FLAT LATEX PRIMER, 1-FLAT LATEX FINISH COAT.

12. ROOFING
1) 22 GA GALVANIZED STEEL STANDING SEAM, FIRE RATED PER UBC STANDARD 32-7 CLASS-B.
2) 26 GA GALVANIZED STEEL STANDING SEAM, FIRE RATED PER UBC STANDARD 32-7 CLASS-B.
3) 30 GA GALVANIZED STEEL STANDING SEAM, FIRE RATED PER UBC STANDARD 32-7 CLASS-B.
4) BASE SHEET FINISHED GRADE 25-30# ASPHALT COATED
5) EDGE FLASHING 26 GA. GALVANIZED
6) OTHER

13. INSULATION
SEE GENERAL NOTES FOR STANDARDS AND FIRE RATINGS.
1) R11 AT FLOOR AND WALLS; R19 AT ROOF
2) OTHER
3) SOUND INSULATION (SEE FLOOR PLAN FOR LOCATION)

14. EXTERIOR DOORS
1) STEEL JOIST, STEEL CRAFTED OR EQUIV.; HOLLOW METAL
2) STEEL 3070 1-3/4" THK, 18GA FACE SHEETS, SOUND DEADENED,
3) STEEL 3070 1-3/4" THK, 18GA FACE SHEETS, SOUND DEADENED,
4) OTHER

15. INTERIOR DOORS
1) SC WOOD 3088 STANDARD CAL. WOOD OR EQUIV.
2) SC WOOD 3070 1-3/4" THK, EMBOSSED HARDBOARD FACE SHEETS, FINISHED
3) OTHER

16. FRAMES
STEEL KNOCKDOWN 3088 STANDARD OR 3070 (OPTIONAL), 18GA, 3 ANCHORS PER JAMB
1) PREFINISHED DARK BRONZE
2) PAINTED SELECTED COLOR
3) OTHER

17. LOCKSETS AND LATCHSETS
FINISH #28 BRUSHED CHROME
1) 07090 CLASSROOM SCHLAGE OR EQUIV. (LEVER HANDLE)
2) 0405 PRIVACY SCHLAGE OR EQUIV. (LEVER HANDLE)
3) 0105 PASSAGE SCHLAGE OR EQUIV. (LEVER HANDLE)
4) 17090 CLASSROOM SCHLAGE OR EQUIV. (DUMB HANDLE)
5) PANIC HARDWARE, VON DUPRIN 99L OR EQUIV. WITH RIM CYLINDER
6) OTHER

18. BUTTS
SOLID BRASS OR BRONZE, 3 PER DOOR, FINISH #28 BRUSHED CHROME
1) HAGAR B0131 NRP 4-1/2"x4-1/2"
2) OTHER

19. CLOSURES
ADJUST TO 8.5# OPERATING PRESSURE FOR EXTERIOR, OR 5.0# FOR INTERIOR, FINISH BRUSHED ALUMINUM.
1) DORMA P7601
2) NORTON 1801 OR EQUIV.
3) OTHER

20. THRESHOLDS
MAXIMUM 1/2" HEIGHT
1) PEMKO 271A (BRUSHED ALUMINUM)
2) OTHER

21. BOTTOM SWEEPS
1) PEMKO 2184V (BRUSHED ALUMINUM WITH VINYL SEAL)
2) OTHER

22. WEATHER-STRIPPING
1) FOAM FILLED VINYL, FRICTION FIT INTO PREPARED FRAME
2) PEMKO 2789P (BRUSHED ALUMINUM WITH VINYL SEAL)
3) OTHER

23. STOPS
1) FLOOR MOUNTED HAGAR 287F OR EQUAL 3" HEIGHT (EXTERIOR), OR EQUIV.
2) WALL MOUNTED HAGAR 238W OR EQUAL, BUMPER (INTERIOR)
3) FLOOR MOUNTED QUALITY 431 OR EQUAL, DOME (INTERIOR)
4) OTHER

24. OPTIONAL EXTRA ITEMS AND HARDWARE
1) VISION LIGHTS SIZE: _____ CLASS: _____
2) LOUVERS SIZE: _____ CLASS: _____
3) OTHER _____

25. WINDOWS
HORIZONTAL SLIDING, 50% VENTING, ANODIZED ALUMINUM FRAME. PERFORMANCE RATED PER ANA 63101-88 FOR COMMERCIAL USE AND MEDIUM EXPOSURE. NAIL-ON FIN FASTENED DIRECTLY TO FRAMING AND BEHIND SIDING MATERIAL. REMOVABLE SCREEN AT VENT SASHES. LAMINATED OR TEMPERED GLAZING TO BE NOTED ON FLOOR PLAN. DUAL GLAZED WINDOWS TO HAVE MINIMUM 1/4" AIR SPACE AND 1/8" GLASS (SEE FLOOR PLAN FOR SIZES)

FRAMES:
1) CLEAR ANODIZED
2) OTHER _____

GLAZING:
1) DUAL, 3/16" GRAY TINT
2) DUAL, 1/4" GRAYLITE 14
3) DUAL, OBSOURED
4) SINGLE, 3/16" GRAY TINT
5) SINGLE, 1/4" GRAYLITE 14
6) SINGLE, OBSOURED
7) OTHER _____

26. INTERIOR WALL COVERINGS
APPLIED OVER MINIMUM 1/2" GYPSUM BOARD, OR MINIMUM 3/8" (*ORIENTED STRAND BOARD, EXPOSED SURFACES FIRE RATED PER ASTM E-84, FLAME SPREAD MAXIMUM 200, SMOKE DEVELOPED MAXIMUM 450. (*PROVIDE FIRE BLOCCING WHEN 3/8" OSB IS USED AS BACKING MATERIAL.)
1) TAGBOARD: VINYL WALL COVERING TO BE CLASS 1 DOMSTAR GYPSUM OR EQUIV., LAMINATED ONTO 1/2" INDUSTRIAL INSULATION BOARD, 4'-0"x8'-0", LONG EDGES BEVELED.
2) FRP: FIBERGLASS REINFORCED PLASTIC PANELS, 4'-0"x8'-0", WITH COLOR MATCHED PVC MOLDINGS OVER 1/2" GYPSUM
3) OTHER _____

27. CEILING GRID
SUSPENDED SYSTEM, PERFORMANCE RATED ASTM C835 HEAVY DUTY
1) DOWN OX EXPOSED SYSTEM, STEEL, PREFINISHED WHITE
2) DX-28 MAIN RUNNER HEAVY DUTY DX-424 CROSS RUNNER HEAVY DUTY
3) ARMSTRONG PRELUDE EXPOSED SYSTEM, STEEL, PREFINISHED WHITE
4) 700X-WH MAIN RUNNER HEAVY DUTY 700X-WH CROSS RUNNER HEAVY DUTY
5) CHICAGO METALLIC 200 SERIES EXPOSED SYSTEM, STEEL, PREFINISHED WHITE
6) 200-01 MAIN RUNNER HEAVY DUTY 1214-01 CROSS RUNNER HEAVY DUTY
7) OTHER _____

28. CARPET
DIRECT GLUE-DOWN, PERFORMANCE RATED PER STATE OF CALIFORNIA SPECIFICATION 7220-211-01. (GROUP 1, TYPE A, CLASS 24) 4600 MIN. DENSITY. THE CARPET IS TO HAVE A MINIMUM CRITICAL FLUX OF 25 WATTS/M2.
1) 26oz.
2) 28oz.
3) OTHER _____
4) FACTORY INSTALLATION: 2-1/2" W ALUMINUM THRESHOLD AT MODULE JOINTS, AS REQUIRED
5) ON SITE INSTALLATION: BUTT SEAMS

29. VINYL SHEET FLOORING
MINIMUM LAYER .050" THICK, PERFORMANCE RATED PER ASTM F1303-90 TYPE-II, GRADE-1, CLASS-A, AND ASTM F970 125PSI, FIRE RATED PER ASTM E648 FLAMMABILITY CLASS-1, AND ASTM E662 SMOKE DENSITY MAXIMUM 450. (0-2.5 PCMB SPRAY)
1) ARMSTRONG CLASSIC CORCOR, SANDOVAL PATTERN, 6'-0" WIDE, OR EQUIV.
2) OTHER _____
3) FACTORY INSTALLATION: 2-1/2" W ALUMINUM THRESHOLD AT MODULE JOINTS, AS REQUIRED
4) ON SITE INSTALLATION: BUTT SEAMS

30. VINYL COMPOSITION TILE
12" SQUARE, MINIMUM 1/8" THICK, PERFORMANCE RATED PER ASTM F1066, COMP-1, CLASS-2, AND ASTM F970 75PSI, FIRE RATED PER ASTM E648 FLAMMABILITY CLASS-1, AND ASTM E662 SMOKE DENSITY MAXIMUM 450. (0-2.5 PCMB SPRAY)
1) ARMSTRONG STANDARD EXCELON, OR EQUIV.
2) OTHER _____
3) FACTORY INSTALLATION: 2-1/2" W ALUMINUM THRESHOLD AT MODULE JOINTS, AS REQUIRED
4) ON SITE INSTALLATION: BUTT SEAMS

31. TOP SET BASE
1) BURKE MOLDED RUBBER 1/8" THICK, 4" HEIGHT, COVE STYLE
2) #602-P, OR EQUIV.
3) OTHER _____

32. CHALKBOARDS / MARKER BOARDS
TWO 4'-0"x8'-0" BOARDS MOUNTED SIDE BY SIDE, U.N.O.
1) MARKER BOARD, PLASTIC WHITE LAMINATE
2) CHALKBOARD, MATTE BAKED ENAMEL WRITING SURFACE
3) CHALKBOARD, WATTE PORCELAIN WRITING SURFACE
4) OTHER _____

33. FIRE EXTINGUISHER
PRESSURIZED, WITH CHARGE INDICATOR DIAL, MOUNTING HANDLE AT +48" MAX. A.F.F., NEAR EXTERIOR DOOR
1) UL RATED 2A10BC
2) OTHER _____

34. HEAT PUMPS AND THERMOSTATS
THERMOSTAT MOUNTED AT +34" (SEALED) SIDE APPROACH, +48" (NOT SEALED) A.F.F. NEAR RETURN AIR GRILL, WHITE ROGERS 1F92 WITH WH UNITS AND 1F90 WITH WAO UNITS, OR EQUIV.
1) BARD WH42-LA08 (LOOKOUT)
2) BARD WH48-A10
3) BARD WH48-LA10 (LOOKOUT)
4) BARD WAG40A-AS4C (HG / ELECTRIC)
5) BARD WAG40A-AS4C (LPG / ELECTRIC)
6) OTHER _____

35. HVAC UNIT TO CONFORM TO CURRENT SMACNA STANDARDS, AIR 240-77, AND HVAC UL LISTING. PROVIDE POSITIVE MEANS OF DISCONNECT PER SEC. 308 C.M.C. (BARD, INTERTHERM, MARVAIR, OR EQUIV.)

36. DUCTWORK
WITHIN 3'-0" OF THE HVAC UNIT, PROVIDE SHEET METAL DUCTING
1) NONMETALLIC OPTION: IN SEMI-CONCEALED ACCESSIBLE LOCATIONS BEYOND 3'-0" FROM THE HVAC UNIT, PROVIDE FLEXIBLE ROUND 2" -FLY POLYESTER DUCT WITH COILED WIRE REINFORCING AND 1-1/2" FIBERGLASS INSULATION AND POLYETHYLENE JACKET, OR RIGID 1" FIBERGLASS BOARD WITH FOIL VAPOR BARRIER FORMED INTO RECTANGULAR DUCTS. PLATE Joints (0-26) SMOKE (0-30)
2) SHEET METAL OPTION: PROVIDE GALVANIZED SHEET METAL DUCTWORK WITH 1" FIBERGLASS INSULATION WITH VAPOR BARRIER.
3) OTHER _____

37. REGISTER & DIFFUSERS
MIN. (2) 4-WAY, GARNES, TITUS, COOLEY, COLEMAN KRUEGER OR EQUIV. - COMMERCIAL GRADE

38. ELECTRICAL PANELS
SEE ELECTRICAL PANEL SCHEDULE FOR SIZE.
1) SINGLE PHASE POWER
2) THREE PHASE POWER

39. ELECTRICAL OUTLETS
LOCATE PER FLOOR PLANS AT +15" MIN. - 18" MAX. A.F.F. U.O.N.
1) 20 AMP OUTLETS, LEVITON 5014 OR EQUIV.
2) OTHER _____

40. EXTERIOR LIGHTING
1) INCANDESCENT, WEATHER-PROOF VANDAL-RESISTANT HOUSING, WITH BOWTIE LAMP, FAIL-SAFE 100-100 OR EQUIV. (03636)
2) FLUORESCENT, WEATHER-PROOF VANDAL-RESISTANT HOUSING, WITH TWO 2WATT LAMPS, FAIL-SAFE 1F9-142 OR EQUIV.
3) OTHER _____

41. INTERIOR LIGHTING
PLASTIC LENS FIRE RATING CONFORMING TO CURRENT CBC SECTION 5208. ACRYLIC PRISMATIC, BUILT-IN REFLECTION HOUSING, SWITCHES PHS 501 OR EQUIV.
1) LAY-IN 3-LAMP, FLUORESCENT, 2'-0" x 4'-0", WITH 34 WATT ENERGY SAVER LAMPS, LITHONIA 26T-240 OR EQUIV.
2) LAY-IN 2-LAMP, FLUORESCENT, 2'-0" x 4'-0", WITH 34 WATT ENERGY SAVER LAMPS, LITHONIA 26T-240 OR EQUIV.
3) LAY-IN 4-LAMP, FLUORESCENT, 2'-0" x 4'-0", WITH 34 WATT ENERGY SAVER LAMPS, LITHONIA 26T-440 OR EQUIV.
4) 50 FT. CANDLES AT 30" AFF.
5) OTHER _____

42. CLOCK
1) 12" DIAMETER, ACQUITRE 2012BE OR EQUIV.
2) REC. EAGLE OR EQUIV.
3) OTHER _____

43. FIRE ALARM SYSTEM
1) PROVIDE 1/2" EMT CONDUIT AND COVERED METAL JUNCTION BOXES, LOCATE PER ELECTRICAL FLOOR PLAN, FOR FUTURE WIRE AND EQUIPMENT BY OTHERS.
2) OTHER _____

44. COMMUNICATIONS SYSTEM
1) SPECIFY: _____

45. CASEWORK - WOOD WORK INSTITUTE OF AMERICA (WCI) CUSTOM GRADE
1) WOOD
2) SOLID OAK FACE FRAMES, FLAT PANEL, OAK DOORS AND DRAWER FRONTS, CLEAR LACQUER FINISH, MELAMINE/PARTICLE BOARD BOXES, WITH LAMINATE COUNTER TOPS, LAYOUT PER FLOOR PLAN AND CASEWORK ELEVATIONS. TOPS FORMER W/4" SPLASH, UNO.
3) LAMINATE.
4) FULL OVERLAY STYLE DOORS AND DRAWER FRONTS, MELAMINE/PARTICLE BOARD BOXES, WITH LAMINATE COUNTER TOPS, LAYOUT PER FLOOR PLAN AND CASEWORK ELEVATIONS
5) OTHER _____

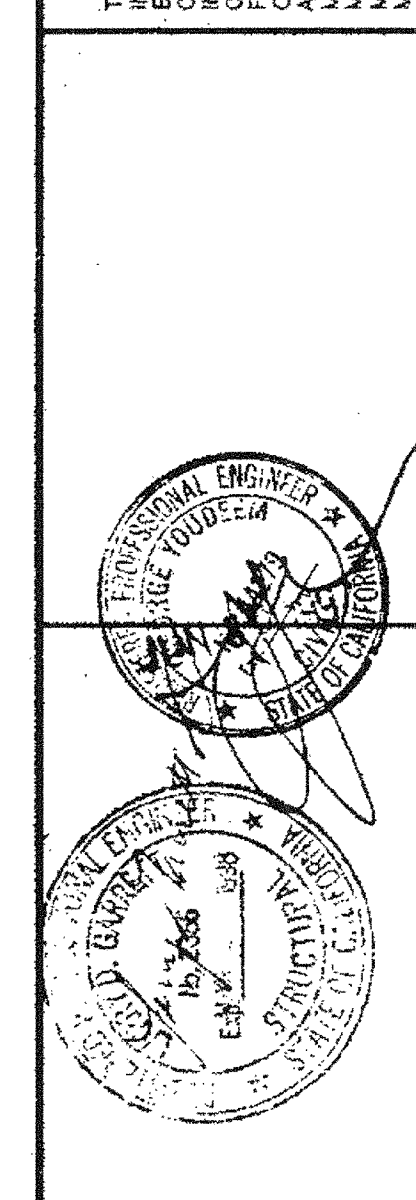
46. PLUMBING
1) SEE ATTACHED PLUMBING AND RESTROOM ACCESSORIES SPECIFICATIONS. SEE SHEET P1

47. RESTROOM ACCESSORIES
1) SEE ATTACHED PLUMBING AND RESTROOM ACCESSORIES SPECIFICATIONS. SEE SHEET P1

48. ROOF CONSTRUCTION (CLASS A) Roofing
1) SINGLE PITCH
2) DOUBLE PITCH
3) 22 GA. METAL
4) PLYWOOD ROOF WITH
5) 26 GA. METAL
6) 30 GA. METAL
7) BUILT UP ROOF

49. OPTIONS
1) METAL STUDS FRAMING
2) RESTROOMS
3) CONCRETE FOUNDATION
4) WOOD FOUNDATION

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PROJECT: 24' X 40' MODULAR CLASSROOM BUILDING TITLE: GENERAL SPECIFICATIONS AND ARCHITECTURAL GENERAL NOTES

JOB # 96-1310 DATE 12/9/96 DRAWN BY B.N. SCALE NONE APPROVED NONE REVISIONS: 2/4/97, 3/17/97, 3/24/97 MSI REV., 4/25/97 MSI REV.

PLOT DATE: 04/28/97 SHEET NO. G-1

GENERAL PLUMBING SPECIFICATIONS

A. PLUMBING EQUIPMENT, FIXTURE AND ACCESSORIES:
FURNISH AND INSTALL ALL PIPING, VALVES, VENTS, STOPS, AND TRAPS
REQUIRED TO CONNECT ALL FIXTURES AND EQUIPMENT. PROVIDE ALL
ELECTRICAL CONNECTIONS AS REQUIRED.

B. MATERIALS AND WORKMANSHIP:
ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY
PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE
NEW AND OF THE TYPES AND GRADE SPECIFIED.

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

IN EACH OF THE SECTIONS FOLLOWING, ONE OF THE ITEMS MUST BE CHECKED AS BEING
APPLICABLE TO THIS BUILDING. ALL ITEMS NOTED AS STRUCTURAL MUST MEET THE
MINIMUM STRUCTURAL REQUIREMENTS SET FORTH IN THE STRUCTURAL PAGES AND NOTES.

VARIABLE PLUMBING SPECIFICATIONS

- WATER CLOSETS
 HANDICAP 18" TANK/BOWL, 3 GPF, KOHLER K-3527-ET OR EQUAL
 (HANDICAP FOR ADULT, HIGH SCHOOL AND MIDDLE SCHOOL)
 STANDARD 14" TANK/BOWL, 3 GPF, KOHLER K-3520-ET OR EQUAL
 (HANDICAP FOR ELEMENTARY SCHOOL AND GENERAL USE)
 WALL HUNG FV/BOWL, 1 GPF, KOHLER K-4430-ET WITH ZURN Z-6000
 FLUSH VALVE OR EQUALS
 OTHER _____

- URINALS
 WALL HUNG, 1.0 GPF, KOHLER K-5018 WITH ZURN Z-6003 FLUSH
 VALVE OR EQUALS
 OTHER _____

- LAVATORIES
 WALL HUNG, 14x12, GERBER 12-354 WITH DELTA FAUCET 523 .5gpm
 OR EQUALS, HC ACCESSIBLE
 WALL HUNG, 18x17, GERBER 12-314 WITH DELTA FAUCET 523 .5gpm
 OR EQUALS, HC ACCESSIBLE
 WALL HUNG, 20x18, KOHLER K-2032 WITH DELTA FAUCET 523 .5gpm
 OR EQUALS, HC ACCESSIBLE
 OTHER _____

- SINKS
 CLASSROOM 25x17, 18GA. STAINLESS STEEL, JUST CRA-1725-A-GR,
 WITH KOHLER K-7895 LEVER HANDLE COLD ONLY GOOSENECK FAUCET,
 AND HAWS 5056 LEVER HANDLE DRINKING BUBBLER OR EQUALS
 CLASSROOM 31x18, 18GA. STAINLESS STEEL, JUST CRA-1831-A-GR,
 WITH KOHLER K-7894 LEVER HANDLE HOT & COLD GOOSENECK
 FAUCET & HAWS 5056 LEVER HANDLE DRINKING BUBBLER OR EQUALS
 KITCHEN DOUBLE BOWL, 33x21, MINIMUM 20GA. STAINLESS STEEL,
 JUST DL-2133-B-GR WITH KOHLER K-15171-CP SINGLE HANDLE
 SWING SPOUT HOT AND COLD FAUCET OR EQUALS
 OTHER _____

- GARBAGE DISPOSERS
 BATCH-FEED, 3/4HP, IN-SINK-ERATOR #17 OR EQUAL
 CONTINUOUS FEED, 1/2HP, IN-SINK-ERATOR BADGER-V OR EQUAL

- DRINKING FOUNTAIN
 WALL HUNG, STAINLESS STEEL, HANDICAP ACCESSIBLE, PUSH
 BOTTOM OPERATION, HAWS 1118 OR EQUAL
 OTHER _____

- WATER HEATERS
 2.5 GALLON, 120V RHEEM #1VP25 OR EQUAL
 6 GALLON, 120V RHEEM #1VP65 OR EQUAL
 10 GALLON, 120V UNDER COUNTER, RHEEM #1VP105 OR EQUAL
 20 GALLON, 120V UNDER COUNTER, RHEEM #1VP205 OR EQUAL
 OTHER _____

- GRAB BARS
 ONE EACH 36" AND 42" LONG PER HANDICAP WC, 1-1/2" DIAMETER,
 STAINLESS STEEL, CONCEALED VANDAL RESISTANT MOUNTING,
 BOBRICK B-6206 OR EQUAL
 OTHER _____

- TOILET PAPER DISPENSERS
 ROLL TYPE, STAINLESS STEEL, CONCEALED VANDAL RESISTANT
 MOUNTING AND SPINDLE, BOBRICK B-685.60 OR EQUAL
 FOLDED TISSUE TYPE, STAINLESS STEEL, CONCEALED VANDAL
 RESISTANT MOUNTING AND LOCK, BOBRICK B-272 OR EQUAL
 OTHER _____

- PAPER TOWEL DISPENSERS
 FOLDED TISSUE TYPE, STAINLESS STEEL, CONCEALED VANDAL
 RESISTANT MOUNTING AND LOCK, BOBRICK B-262 OR EQUAL
 OTHER _____

- SOAP DISPENSERS
 LIQUID TYPE, STAINLESS STEEL, CONCEALED VANDAL RESISTANT
 MOUNTING AND LOCK, BOBRICK B-2111 OR EQUAL
 OTHER _____

- MIRRORS
 18x30, 1/4" PLATE GLASS, STAINLESS STEEL CHANNEL FRAME,
 CONCEALED VANDAL RESISTANT MOUNTING, BOBRICK B-165 OR EQUAL
 OTHER _____

- RESTROOM PARTITIONS
 FLOOR MOUNTED AND OVERHEAD BRACED, LAYOUT PER FLOOR PLAN
 STEEL WITH BAKED ENAMEL FINISH, KNICKERBOCKER OR EQUAL
 OTHER _____

- EXHAUST/VENTILATOR FAN
 SWITCH CONTROLLED AT MAX. 48" A.F.F., HANDICAP ACCESSIBLE WITH
 WEATHERPROOF SCREENED WALL CAP
 CEILING/WALL FAN - 50cfm, 2.0ones, BROAN 688 OR EQUAL
 WALL VENTILATOR - 180cfm, 5.0ones, BROAN 509 OR EQUAL
 OTHER _____

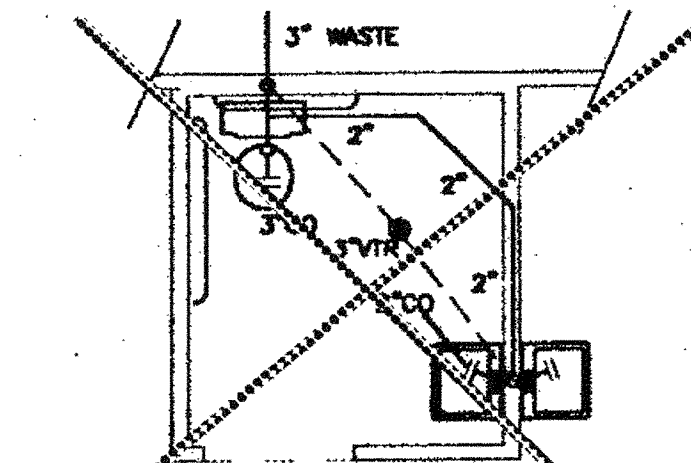
- OPTIONAL EXTRA ITEMS AND HARDWARE
 SPECIFY: _____

PLUMBING NOTES

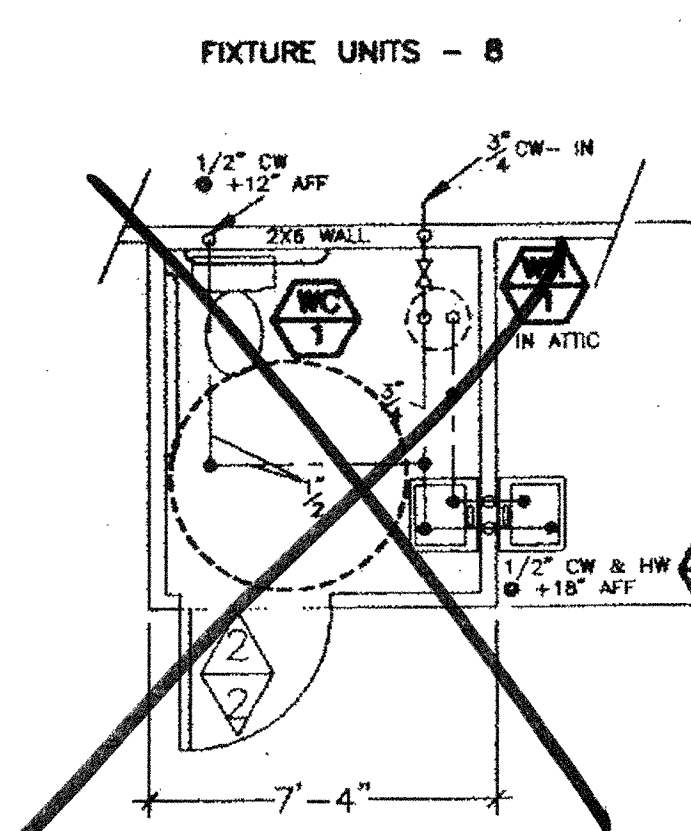
- ALL VENTS TO ROOF AND VENT RISER CONNECTIONS TO BE OFFSET ABOVE
 CEILING FROM WALLS IN ORDER TO PREVENT PENETRATION THROUGH TOP PLATES.
- ALL WASTE DROPS IN WALLS TO BE OFFSET PRIOR TO WALL BOTTOM PLATES.
- FOR ALLOWABLE CUTTING/NOTCHING/BORED HOLES IN 2x WALL STUDS AND JOISTS,
 SEE TYPICAL DETAILS ON STRUCTURAL SHEETS.
- TOILET CURBS ON FLOORS: FOR TOILET ROOMS WITH MORE THAN TWO (2) FIXTURES
 IN RELOCATABLE BUILDINGS, PROVIDE A CONTINUOUS VINYL FLOORING, 2xSTRONG
 "TRINK" BOARD OR EQUAL WITH FULLY SEALED JOINTS, VINYL FLOORING TO EXTEND
 A MIN. OF SIX (6) INCHES UP THE STUD WALL FROM THE FINISH FLOOR LEVEL.
 (REF. SEC. 2317 CBC, AND IR 25-5 D.S.A.)
- ALL INTERIOR COLD AND HOT WATER IS OVERHEAD PIPING EXCEPT AT INSIDE
 WALLS UNLESS OTHERWISE NOTED.
- ALL DRAIN AND SEWER FITTINGS BELOW FLOOR LINE SITE INSTALLED.
- SEWER/WATER STUD OUTS SHALL BE LOCATED WITHIN THE ALLOWABLE AREA AS
 SHOWN ON PLANS AND CONNECTIONS SHOULD BE EASILY ACCESSIBLE FOR
 FUTURE RELOCATION. STUD OUT HEIGHT SHOULD BE COORDINATED WITH BUILDING
 MANUFACTURER AND SITE CONTRACTOR/OWNER.

DIMENSION	
	A
TOILET CENTERLINE FROM WALL	18"
TOILET SEAT HEIGHT	17"-19"
GRAB BAR HEIGHT (SIDE)	33"-36"
TOILET PAPER IN FRONT OF TOILET	12" MAX.
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.
DISPENSER OR MIRROR HEIGHT	40" MAX.
LAVATORY/SINK TOP HEIGHT	34" MAX.
LAVATORY/SINK KNEE CLEARANCE	29" MIN.
URNAL UP HEIGHT	17" MAX.
URNAL FLUSH HANDLE HEIGHT	44" MAX.
DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.
RAMP/STAIR HANDRAIL HEIGHT	34"-38"

A = ADULT DIMENSIONS (AGE 12 AND OVER)



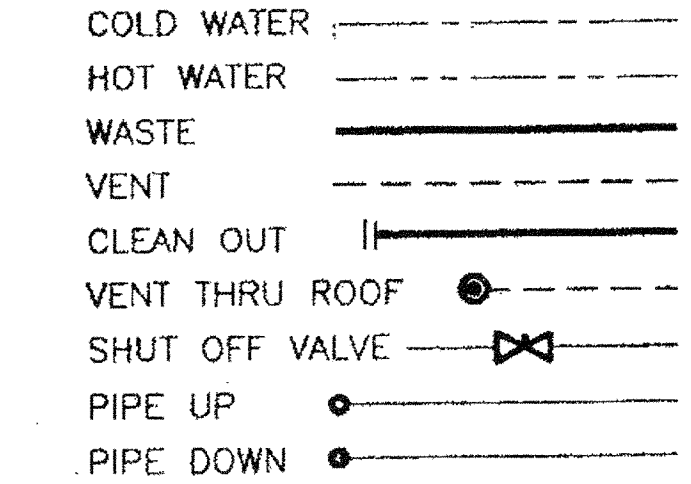
WASTE & VENT PLUMBING



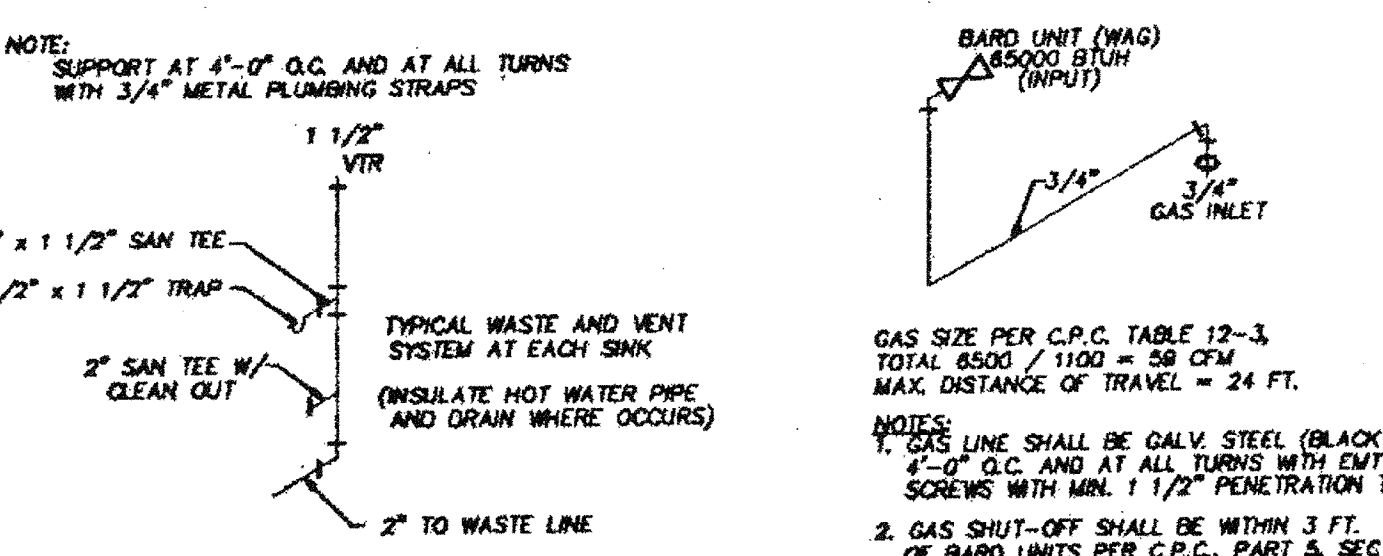
SUPPLY PLUMBING

DEVELOPED LENGTH - 40'
 ASSUMED WATER PRESSURE 46 - 60 PSI
 FIXTURE UNITS - 9

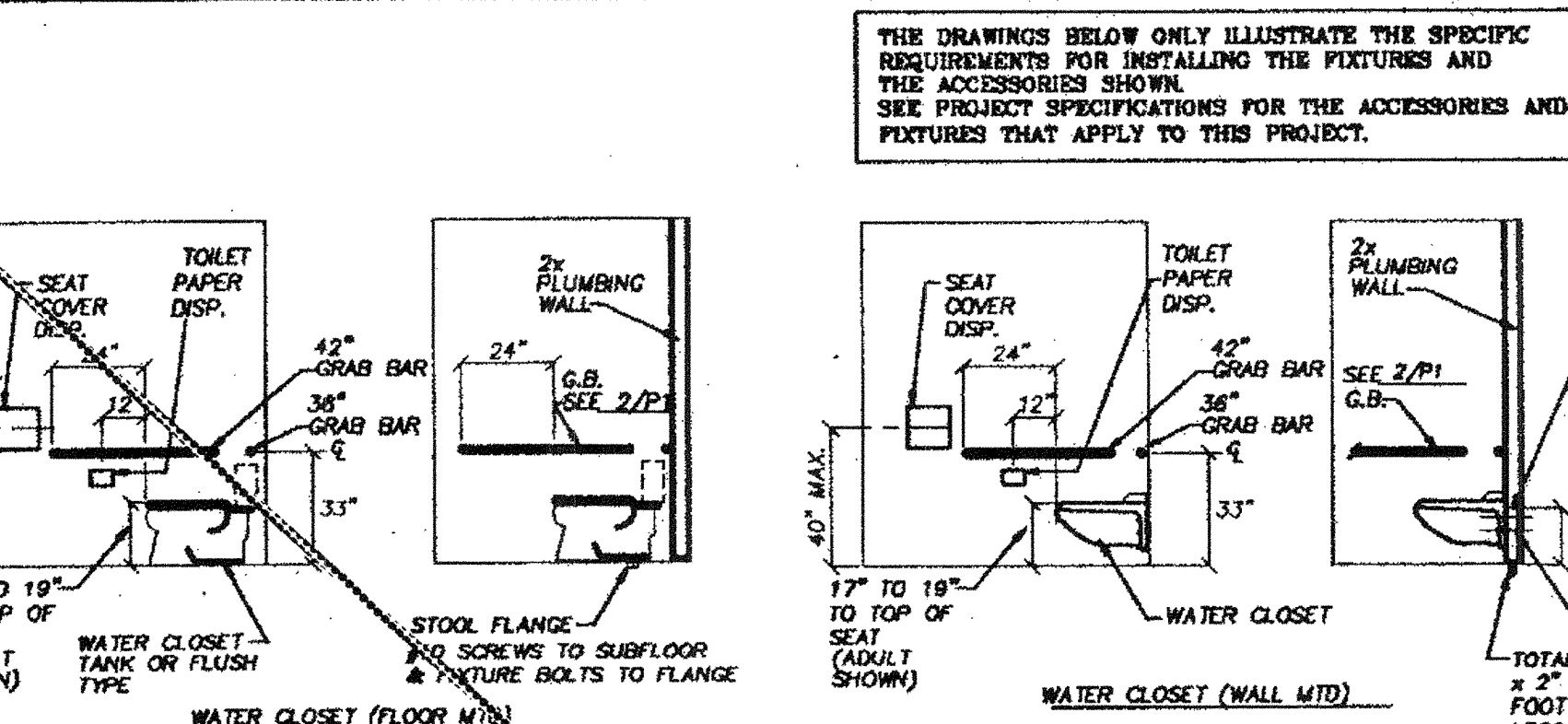
PLUMBING LEGEND



FIXTURE SCHEDULE					
SYMBOL	DESCRIPTION	WASTE	VENT	C.W.	H.W.
WC	VITREOUS CHINA FLOOR MOUNTED SIPHON JET TANK TYPE WATER CLOSET WITH ELONG OPEN FRONT SEAT. FIXTURE SHALL BE LOW VOLUME FLUSH TYPE. INSTALL FIXTURE IN COMPLIANCE WITH STATE REQUIREMENTS FOR THE PHYSICALLY HANDICAPPED.	3"	2"	1/2"	-
LV	20" x 17" VITREOUS CHINA WALL MOUNTED LAVATORY, 1/2" ANGLE STOPS WITH SUPPLY AND WALL ESCUTCHEON. CHROME PLATE P-TRAP. INSTALL IN ACCORDANCE WITH STATE REQUIREMENTS FOR THE PHYSICALLY HANDICAPPED.	2"	1-1/2"	1/2"	1/2"
WH	6 GALLON ELECTRIC WATER HEATER WITH P & T THRU FLOOR TO OUTSIDE OF STRUCTURE. WATER HEATER SHALL BE ENERGY COMMISSION APPROVED.	-	-	3/4"	3/4"

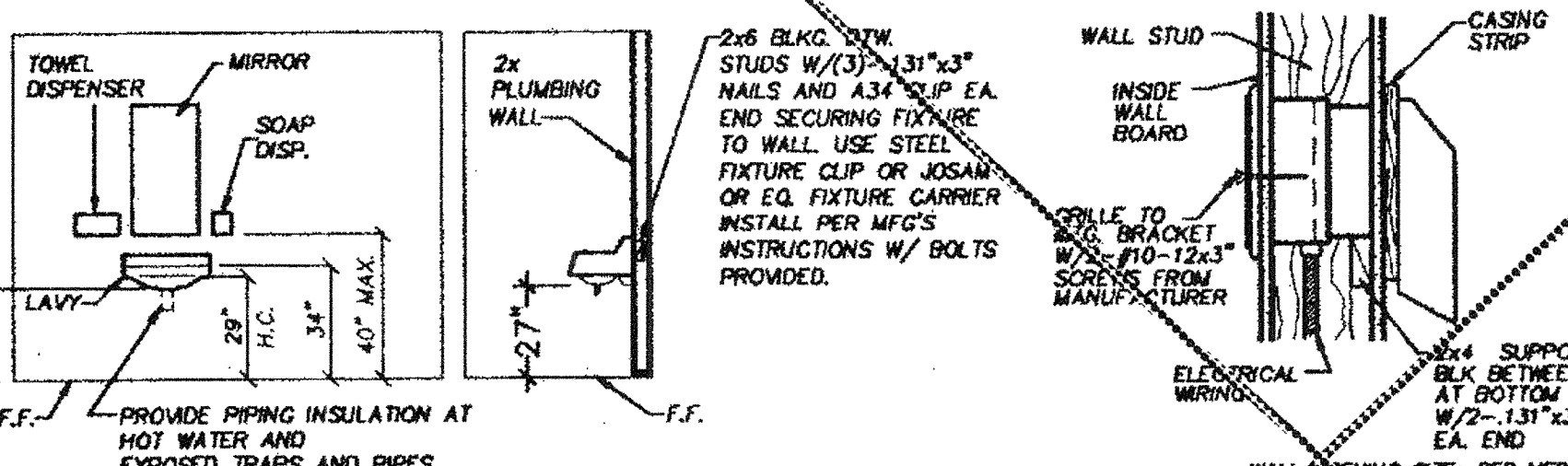


PLUMBING FOR OPTIONAL SINK



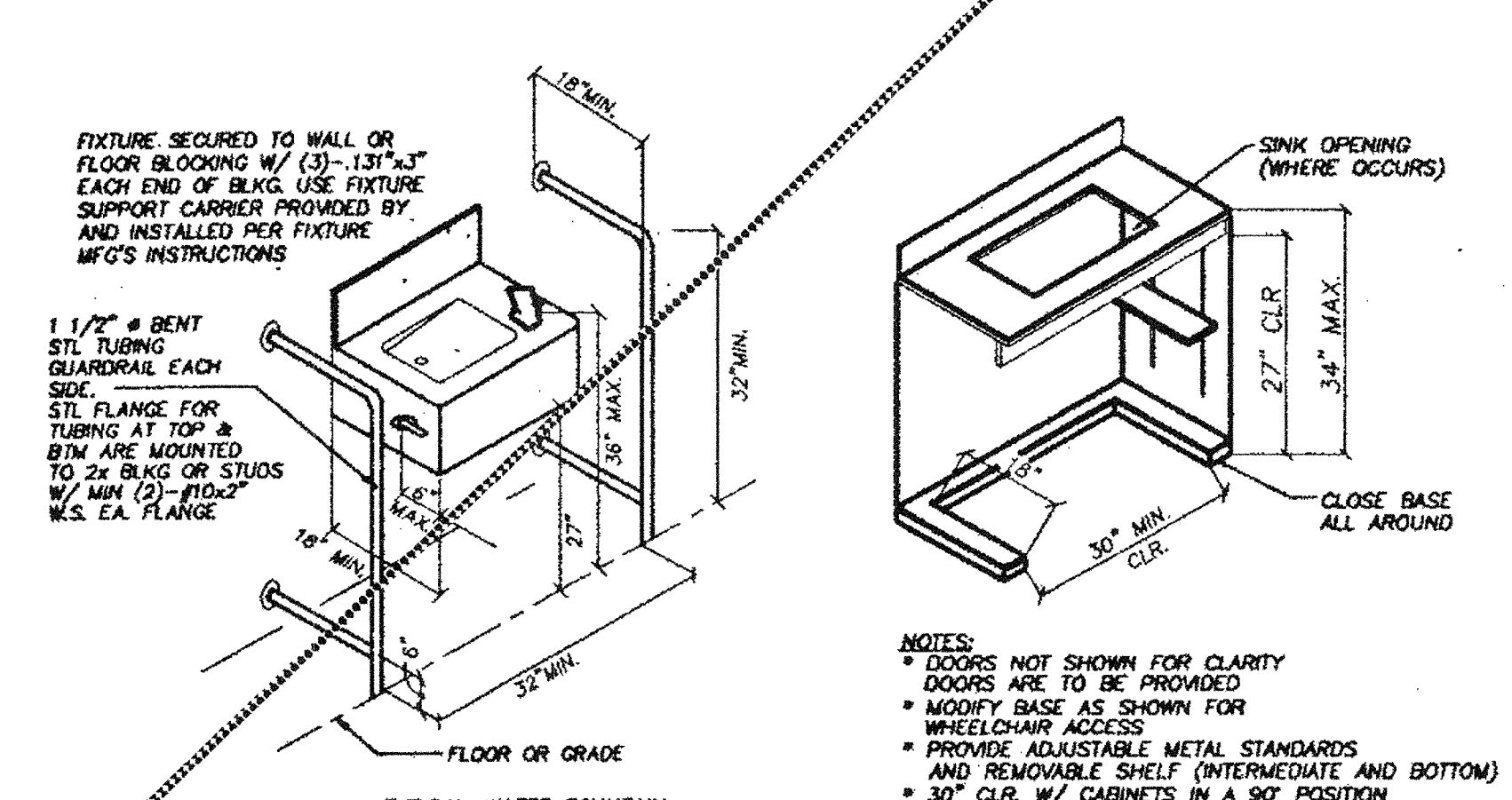
ACCESS/ATTACH DETAIL

[] SEE VARIABLE ITEM NO. 1
 [] NOT USED THIS PROJECT



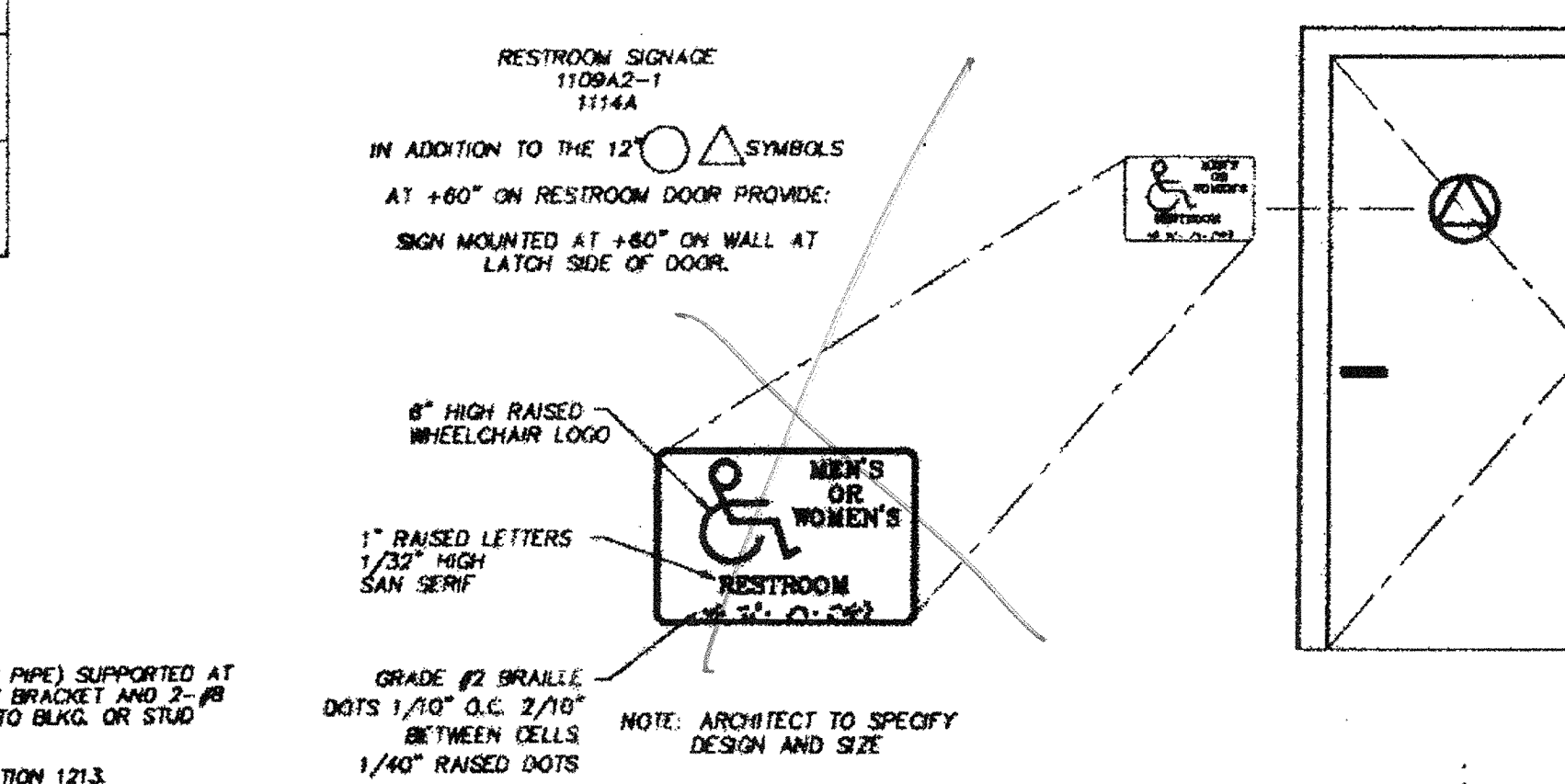
ACCESS/ATTACH DETAIL

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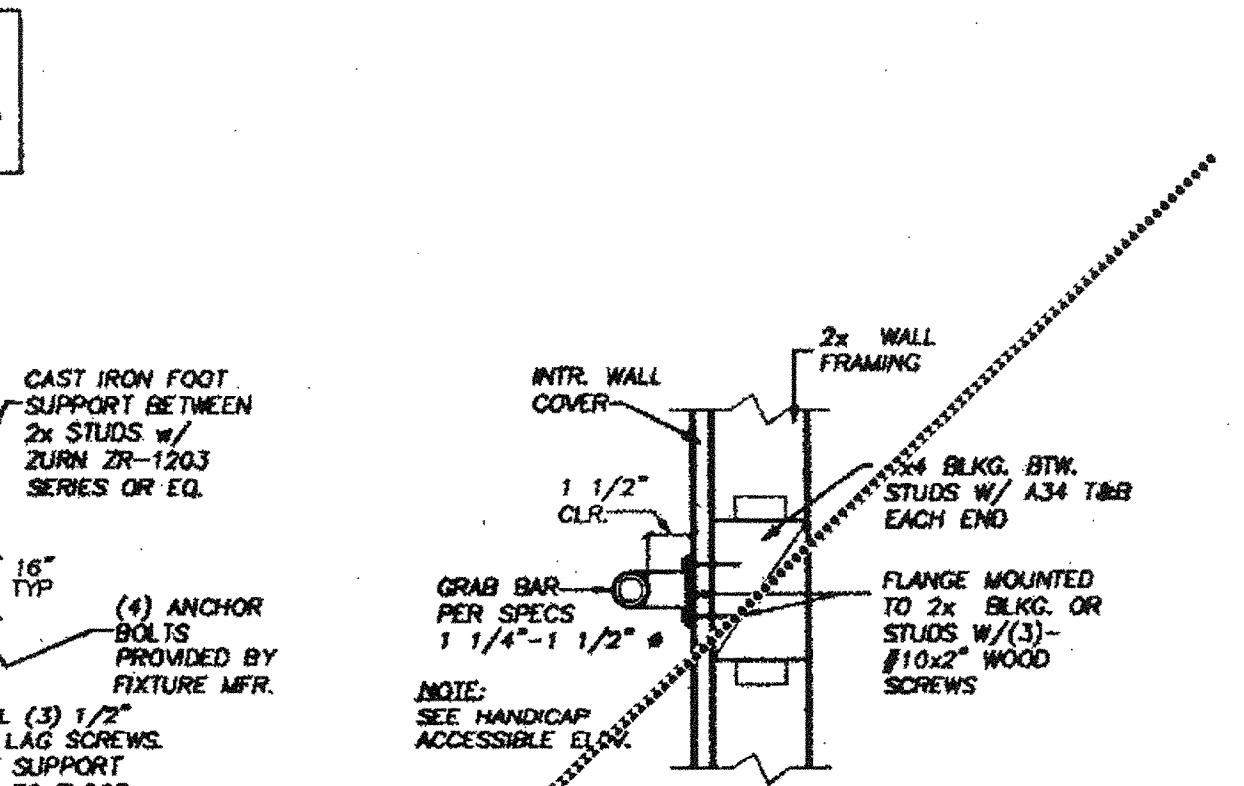


ACCESS WATER FOUNTAIN

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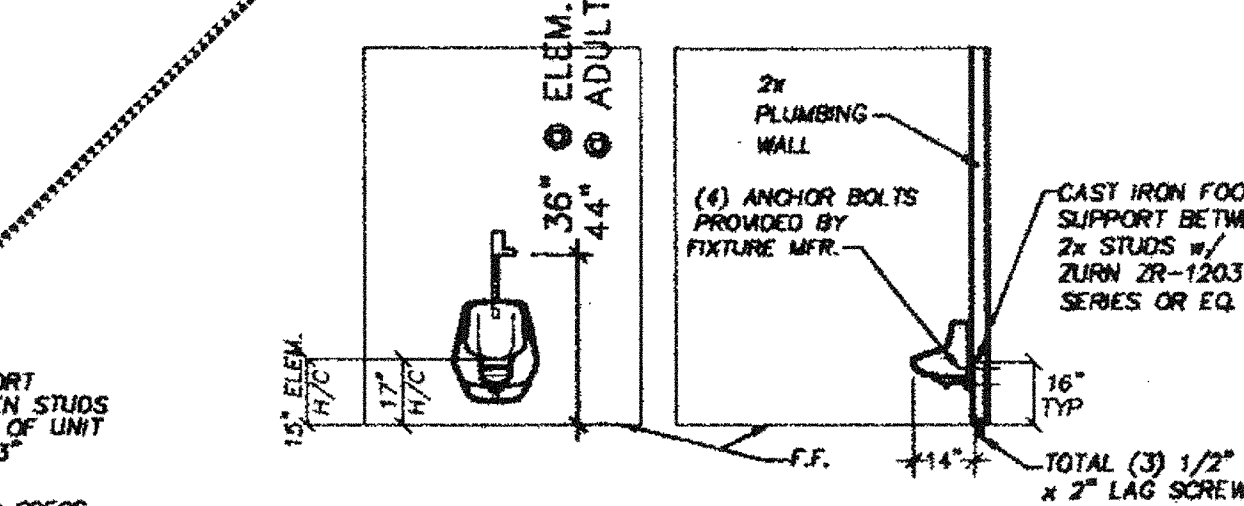


SIGNAGE



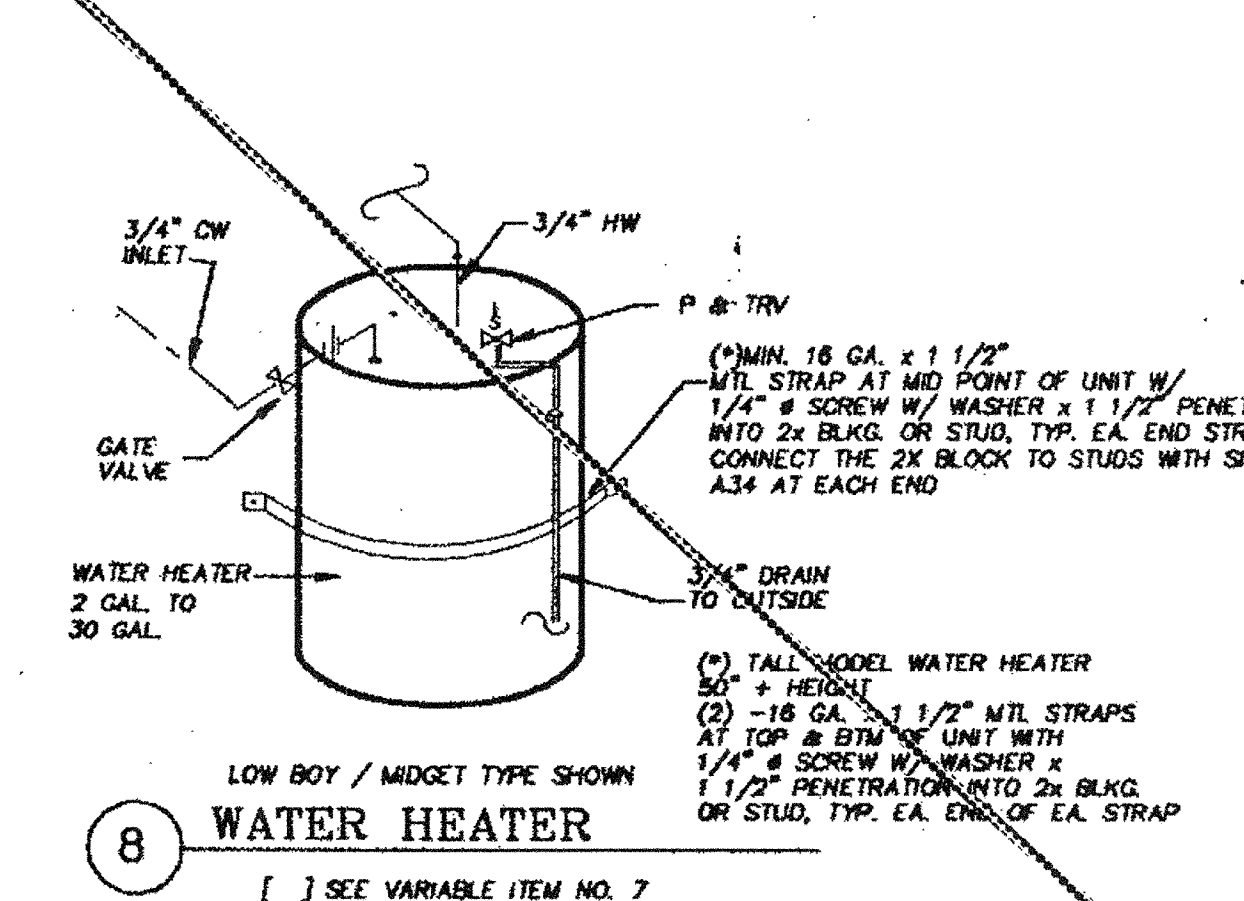
ATTACHMENT DETAIL

[] USED THIS PROJECT W/ 1A & 1B
 [] NOT USED THIS PROJECT



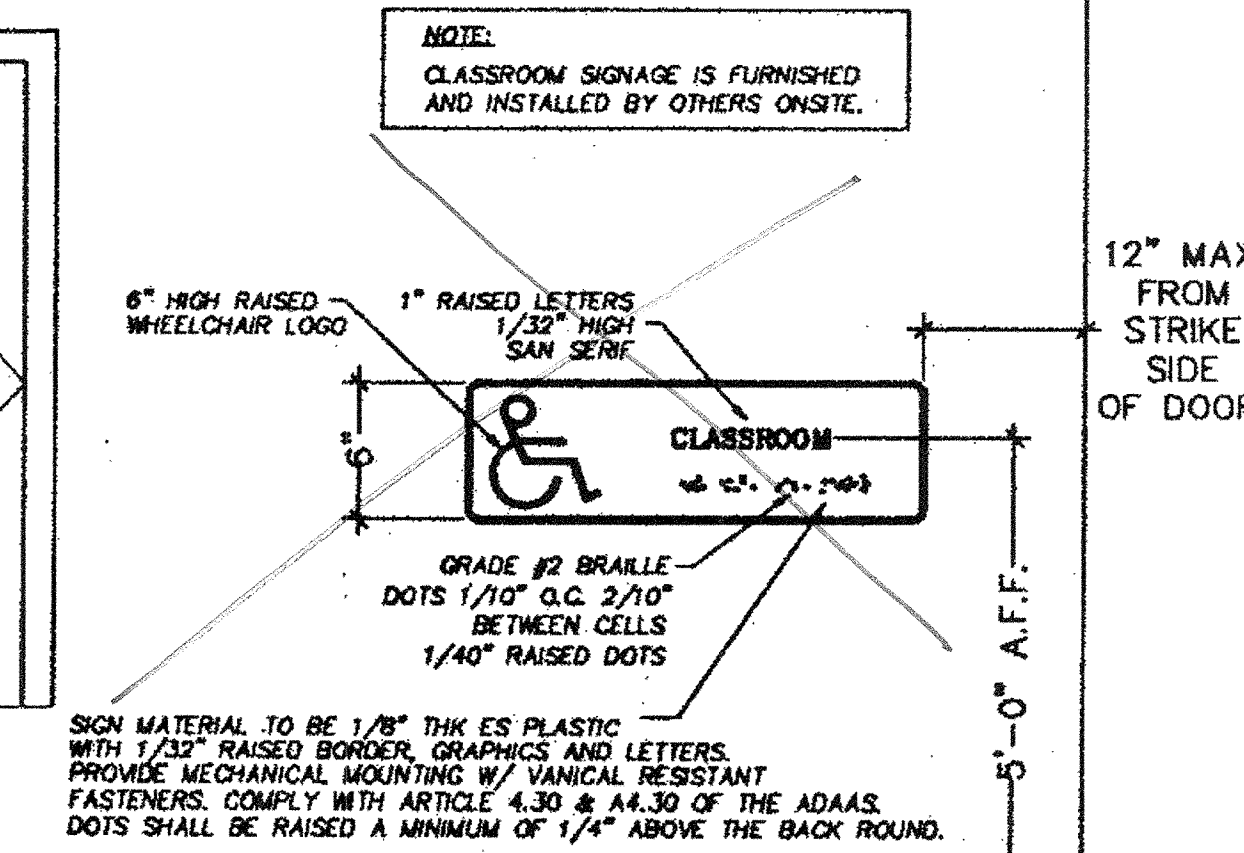
ACCESS/ATTACH DETAIL

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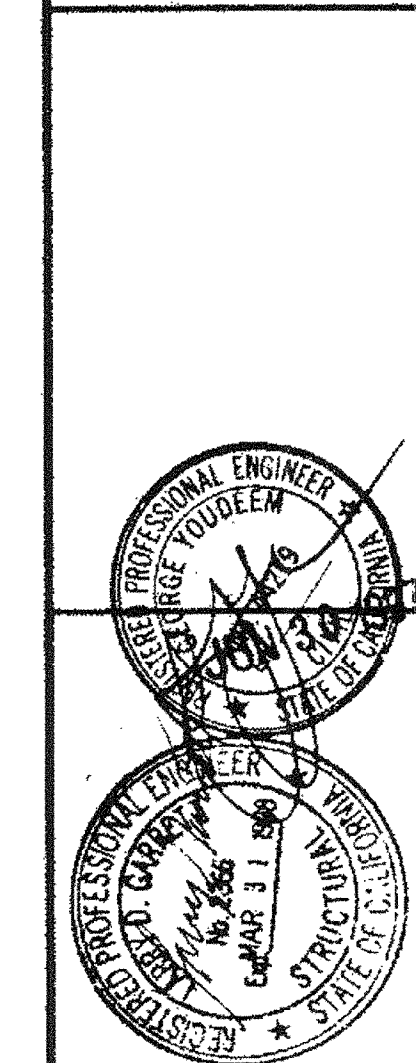
WATER HEATER

[] SEE VARIABLE ITEM NO. 7
 [] NOT USED THIS PROJECT



CLASSROOM SIGNAGE

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 17166 VON KARMAN, SUITE # 108
 TELEPHONE: (714) 268-3799
 FAX: (714) 268-3795

STATE AGENCY APPROVAL
 PROJECT
 24'x40', 36'x40', & 48'x40'
 MODULAR CLASSROOM BUILDING
 TITLE
 PLUMBING GENERAL NOTES & DETAILS

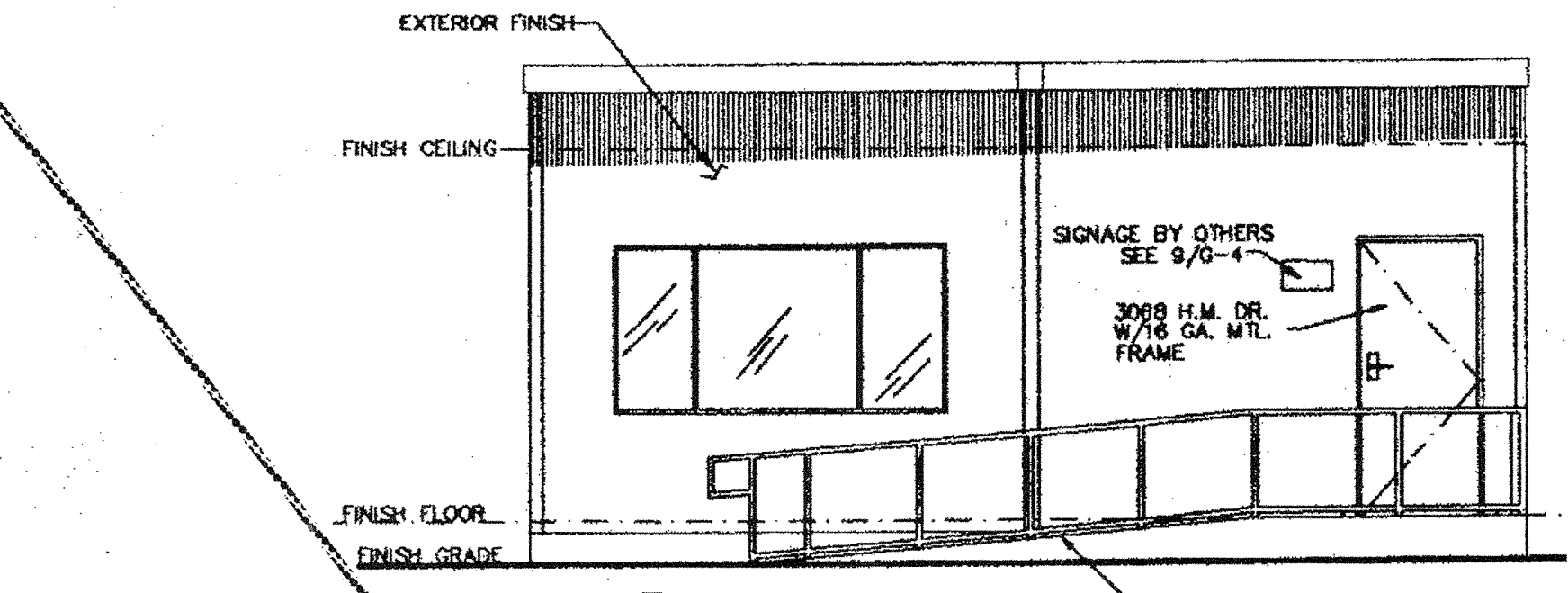
JUN 20 2018
 STATE AGENCY APPROVAL
 JOB # 96-1310
 DATE 12/9/96
 DRAWN BY B.N.
 SCALE NONE
 APPROVED
 REVISIONS:
 2/4/97
 3/17/97
 4/25/97 MSI REV.
 PLOT DATE: 04/28/97
 SHEET NO. G-4

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 880 CRAIG AVE. WILSONVILLE, OREGON 97157
 PHONE: (503) 768-3038 FAX: (503) 768-1033

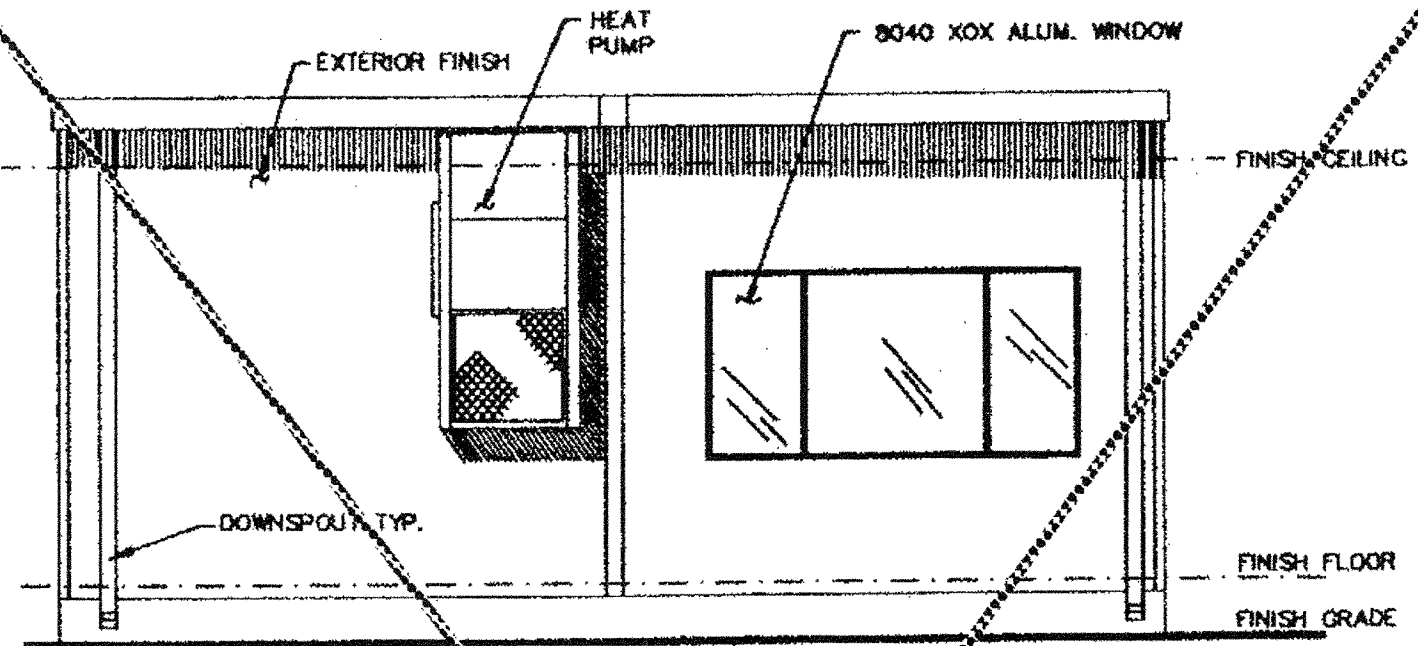
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STATE AGENCY APPROVAL
 PROJECT
 24'x40', 36'x40', & 48'x40'
 MODULAR CLASSROOM BUILDING
 TITLE
 PLUMBING GENERAL NOTES & DETAILS

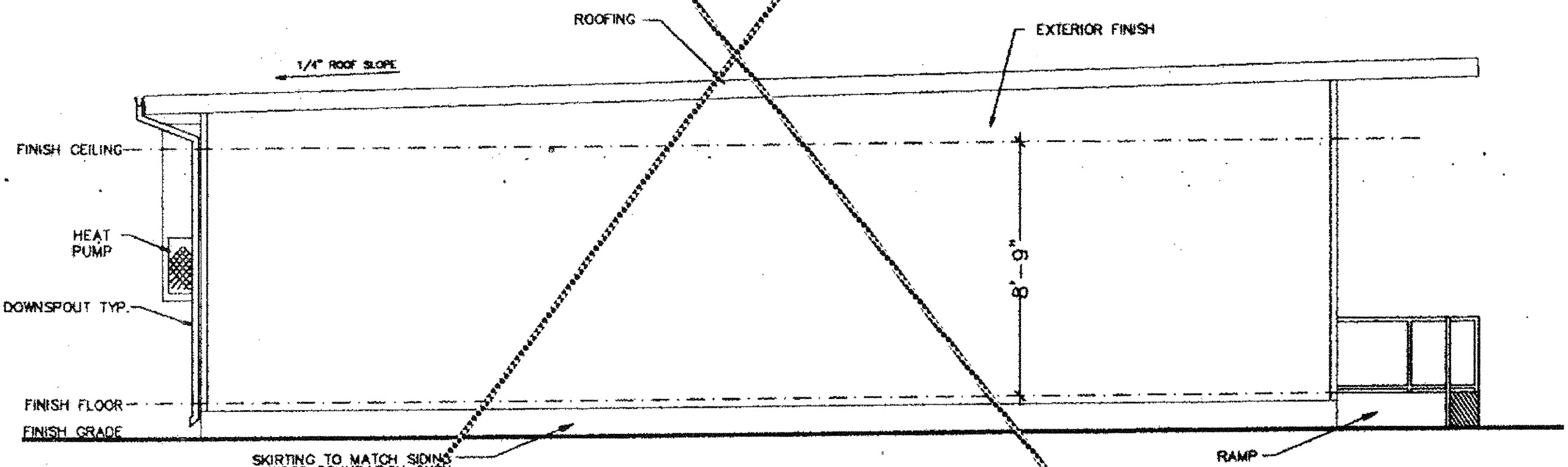
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 JOB # 96-1310
 DATE 12/9/96
 DRAWN BY B.N.
 SCALE NONE
 APPROVED
 REVISIONS:
 2/4/97
 3/17/97
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 PLOT DATE: 04/28/97
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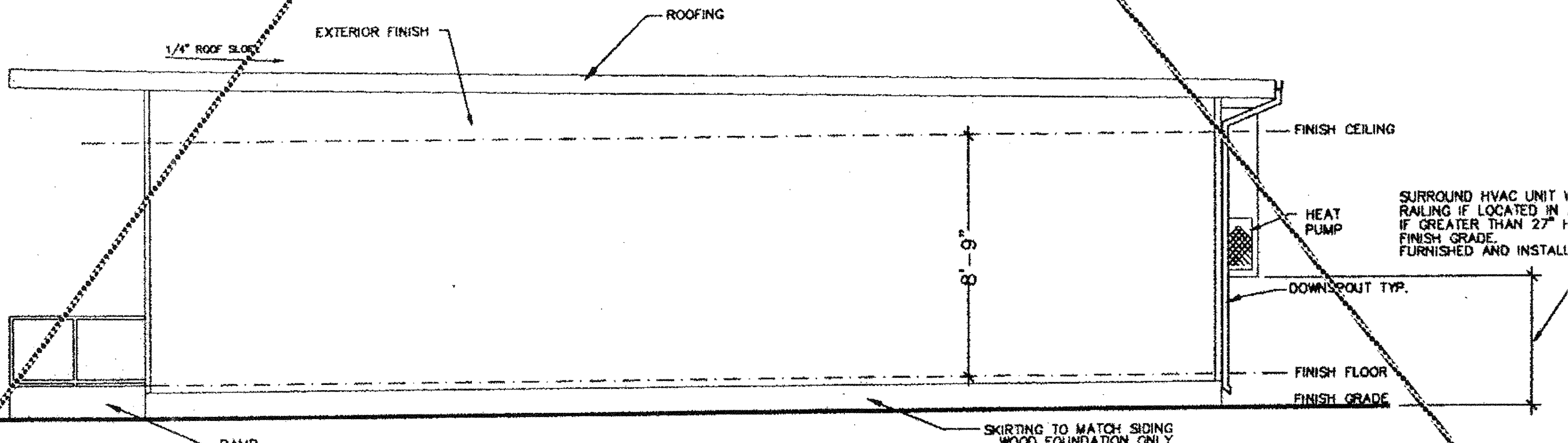
ELEVATION A
(SEE SHEET A-2 FOR DUAL SLOPE ROOF ELEVATIONS.)



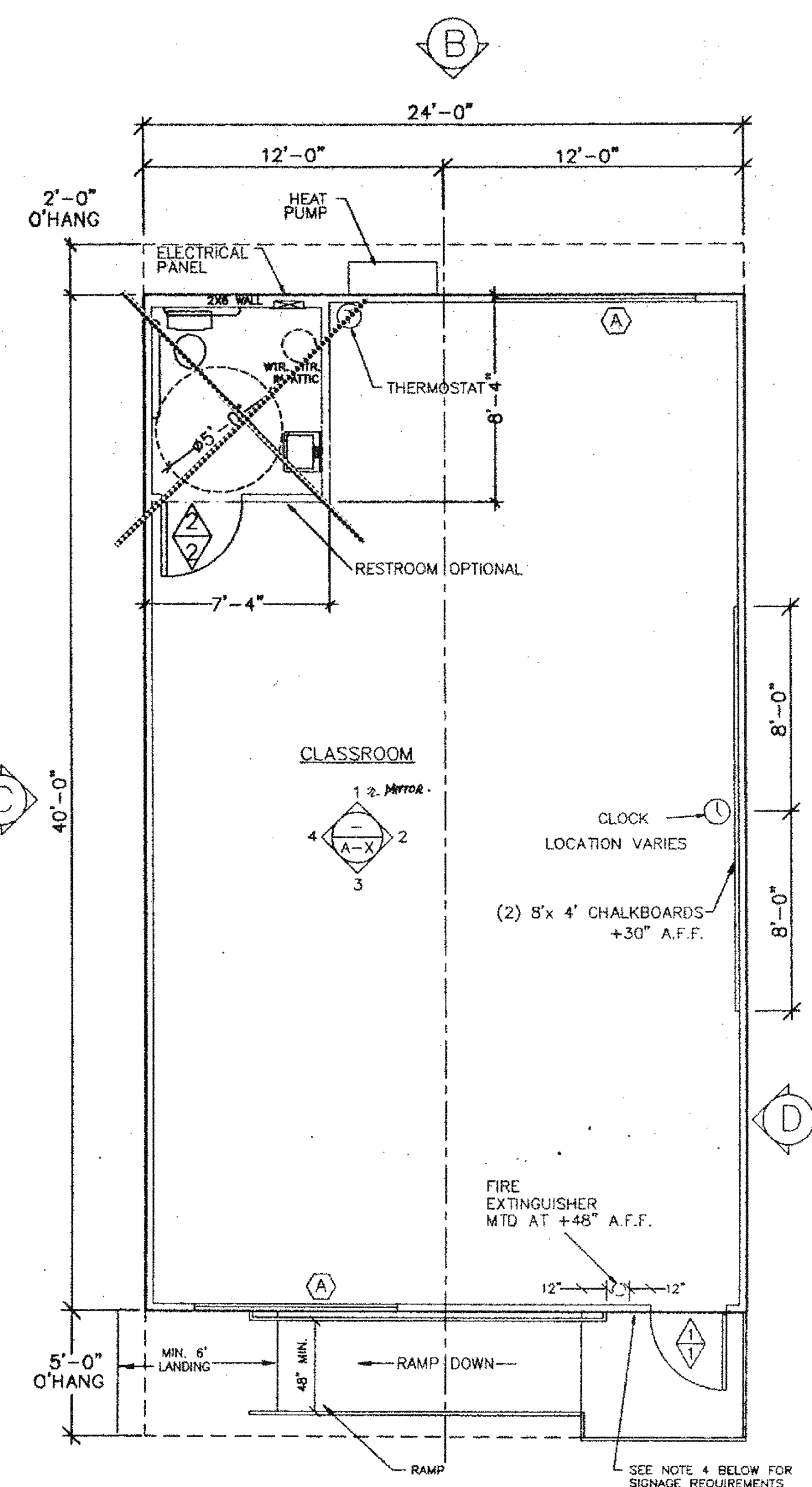
ELEVATION B
(SEE SHEET A-2 FOR DUAL SLOPE ROOF ELEVATIONS.)



ELEVATION C
(SEE SHEET A-2 FOR DUAL SLOPE ROOF ELEVATIONS.)



ELEVATION D
(SEE SHEET A-2 FOR DUAL SLOPE ROOF ELEVATIONS.)



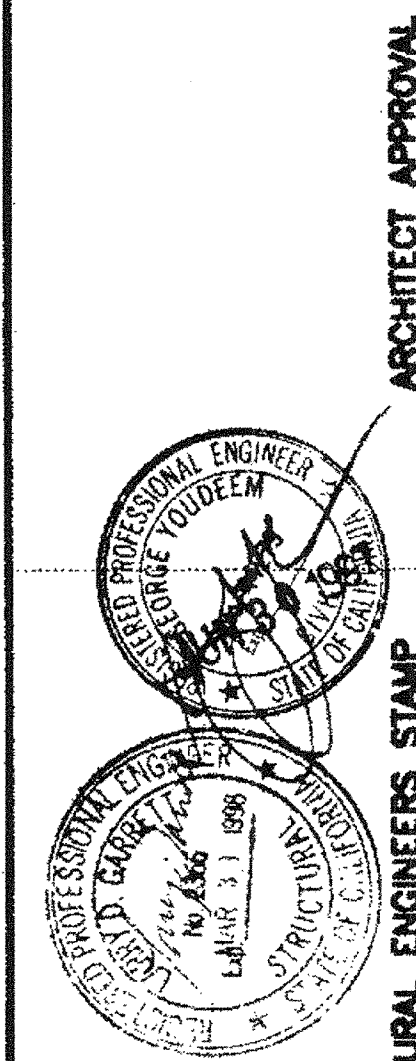
NOTE:
FLOOR PLAN SHOWN IS 'B' BUILDING
'A' BUILDING IS OPPOSITE HANDED

FLOOR PLAN

- ◊ INDICATES DOOR TYPE SEE SHEET C-1
- ◊ INDICATES HARDWARE TYPE
- Ⓐ INDICATES WINDOW TYPE- SEE SHEET C-1

- NOTES:**
- MANUFACTURER SHALL MECHANICALLY ATTACH METAL TAG TO EXTERIOR OF BUILDING SHOWING OSA APPLICATION NUMBER, MANUFACTURERS NAME, UNIT SERIAL NUMBER, DESIGN LIVE LOADS FOR FLOOR AND ROOF, AND THE DESIGN WIND LOAD.
 - WALL AND CEILING FINISHES SHALL BE MIN. CLASS I MATERIAL
 - FIBERGLAS INSULATION SHALL HAVE THE FOLLOWING:
FLAME SPREAD 0-25
SMOKE DEVELOPED, FUEL CONTRIBUTED 0-450
 - SIGNAGE REQUIRED PER APPLICABLE CODES LISTED ON SHEET T-1 PROVIDED AND INSTALLED BY OTHERS ONSITE.
 - ANY ROOM HAVING AN OCCUPANT LOAD OF 50 OR MORE WHERE FIXED SEATS ARE NOT INSTALLED, AND WHICH IS USED FOR CLASSROOM, ASSEMBLY, DINING OR SIMILAR PURPOSE SHALL HAVE THE CAPACITY OF THE ROOM POSTED IN A CONSPICUOUS PLACE NEAR THE MAIN EXIT OF THE ROOM. POSTING SHALL BE BY MEANS OF A DURABLE SIGN HAVING CONTRASTING COLOR FROM THE BACKGROUND TO WHICH IT IS ATTACHED.
 - MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8-1/2 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED NOT TO EXCEED 15 POUNDS.

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JUN 20 2016

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DIVISION OF PROFESSIONAL SERVICES
OFFICE OF REGULATION SERVICES
APR 6 6 55 AM '97
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APR 29 1997

MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
17165 VON KARMAN, SUITE # 108
IRVINE, CALIFORNIA 92614
TELEPHONE: (714) 263-3799
FAX: (714) 263-3795
A SUBSIDIARY OF REGENCY COMPANY, INC.

REGENCY ENGINEERING & CONSULTING GROUP
17165 VON KARMAN, SUITE # 108
IRVINE, CALIFORNIA 92614
TELEPHONE: (714) 263-3799
FAX: (714) 263-3795
A SUBSIDIARY OF REGENCY COMPANY, INC.

PROJECT
24'X40' MODULAR CLASSROOM BUILDING

TITLE
FLOOR PLAN & EXTERIOR ELEVATIONS

JOB # 96-1310
DATE 11/21/96
DRAWN BY
SCALE
APPROVED
REVISIONS
2/4/97
3/17/97 DSA REV.
3/24/97 MSI REV.
3/31/97 MSI REV.
4/25/97 MSI REV.
PLOT DATE: 04/28/97
SHEET NO. A-1-24

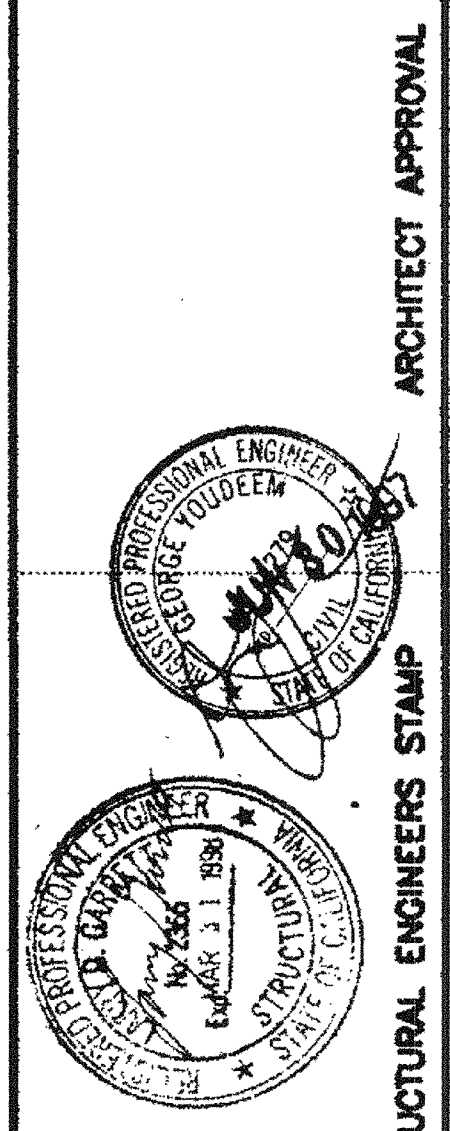
PC-323

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 880 ORANGE AVE. IRVINE, CALIFORNIA 92614
 PHONE: (949) 761-3035 FAX: (949) 761-1665

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REGENCY ENGINEERING & CONSULTING GROUP
 10000 CALIFORNIA BLVD # 106
 IRVINE, CALIFORNIA 92614
 TELEPHONE: (714) 263-3799
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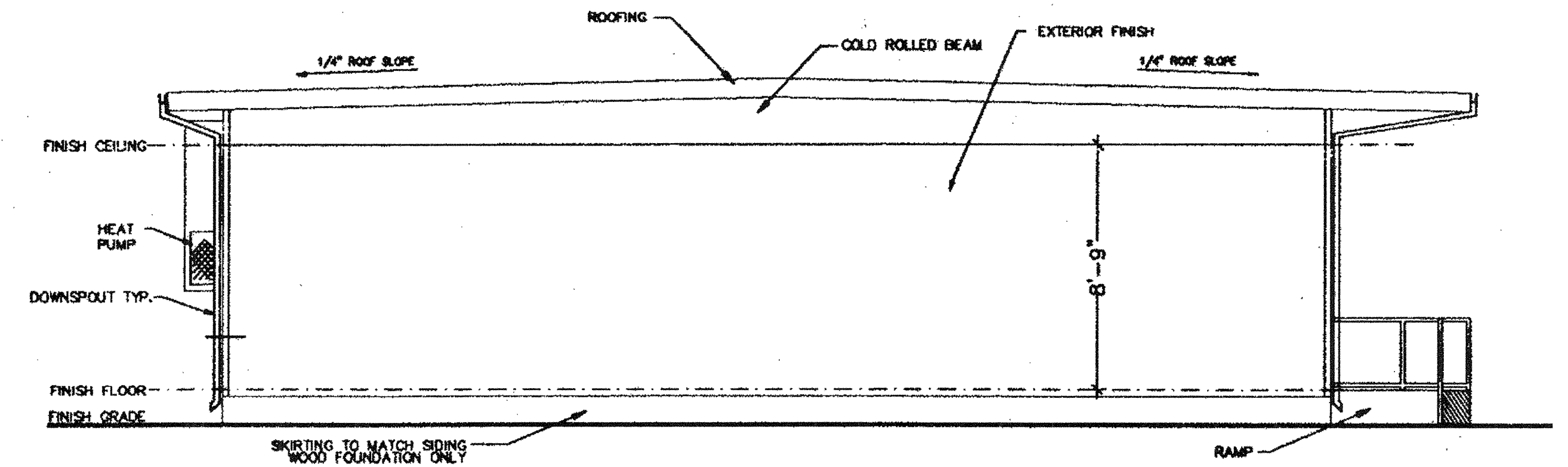
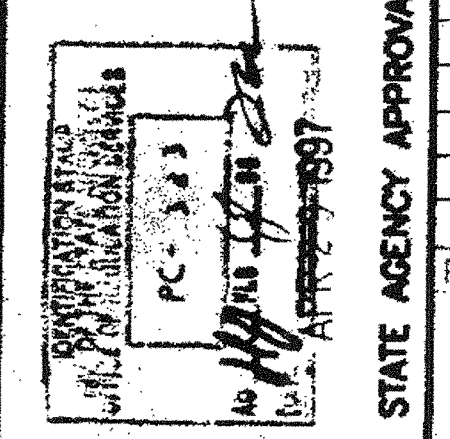
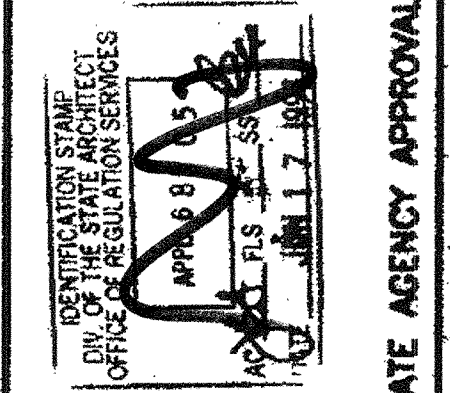
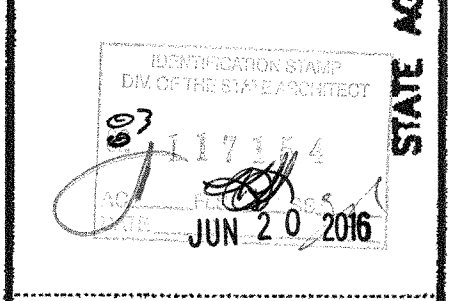
STATE AGENCY APPROVAL

STATE AGENCY APPROVAL

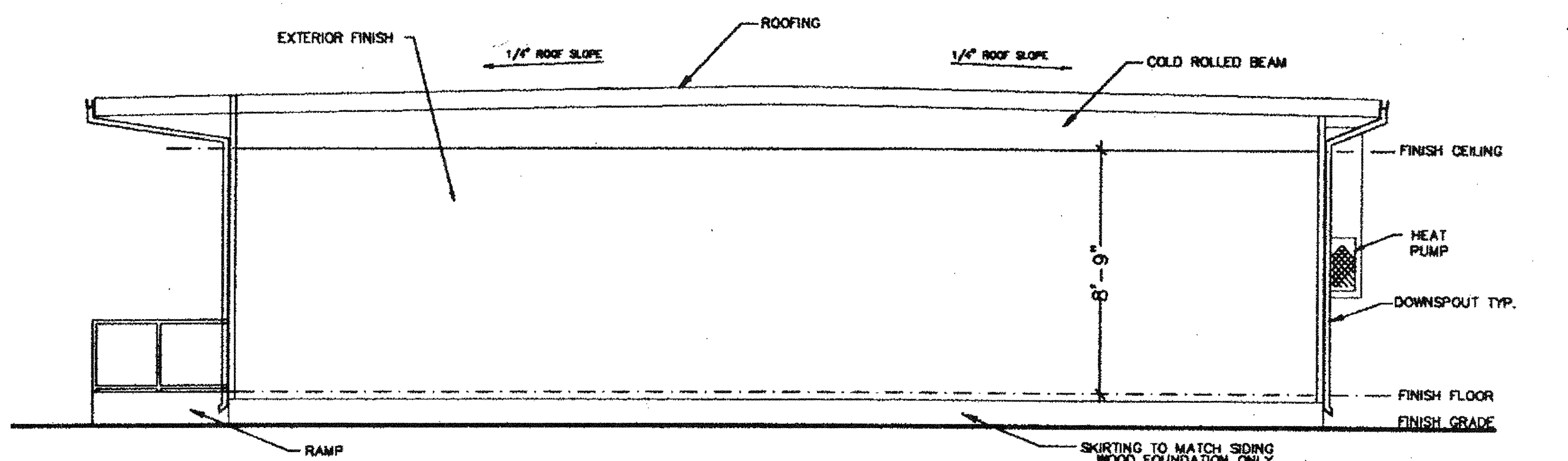
PROJECT: 24'x40' MODULAR CLASSROOM BUILDING
 TITLE: EXTERIOR ELEVATIONS (DUAL PITCH ROOF)
 JOB #: 96-1310
 DATE: 11/21/96
 DRAWN BY:
 SCALE:
 APPROVED:

REVISIONS
 Δ 2/4/97
 Δ 3/17/97 DSA REV.
 Δ 3/24/97 MSI REV.
 Δ 3/31/97 MSI REV.
 Δ 4/25/97 MSI REV.

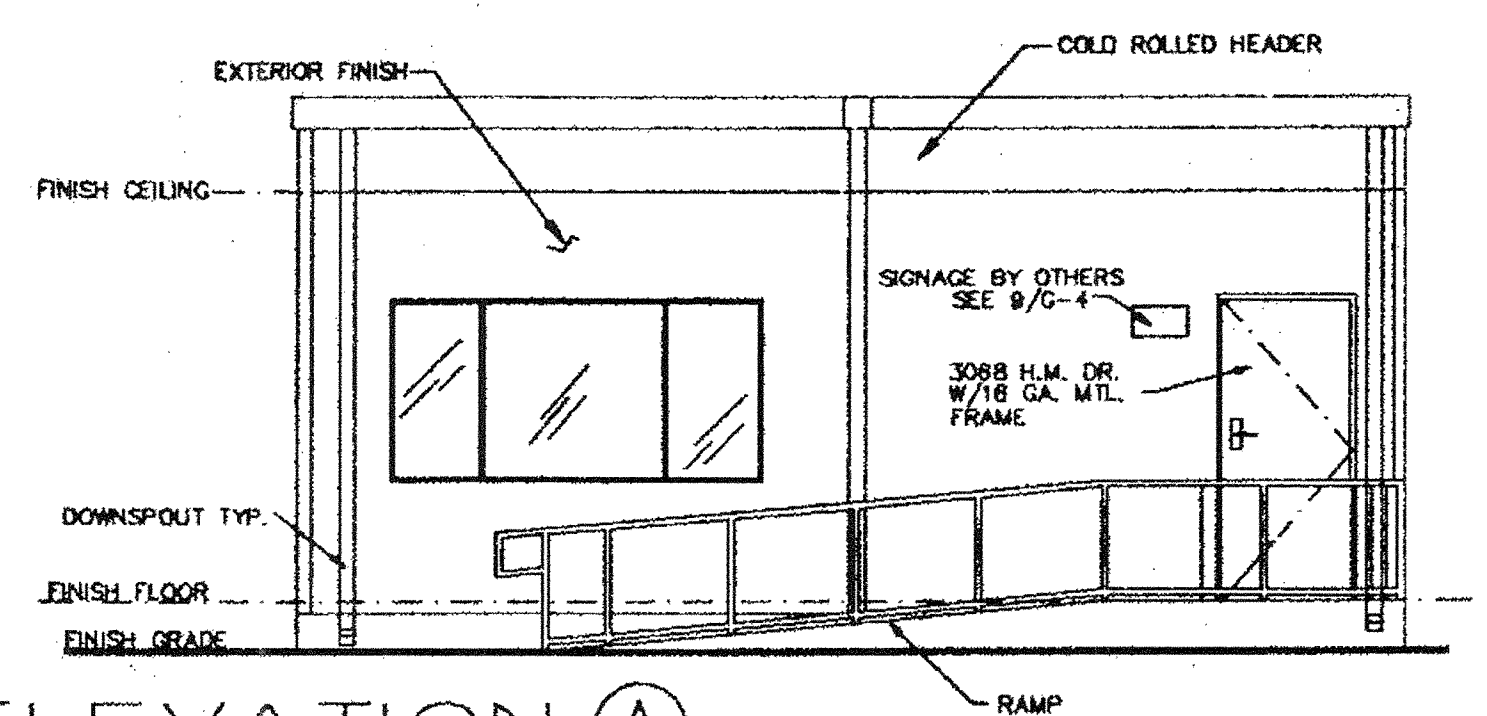
PLOT DATE: 04/28/97
 SHEET NO.
 A-2-24



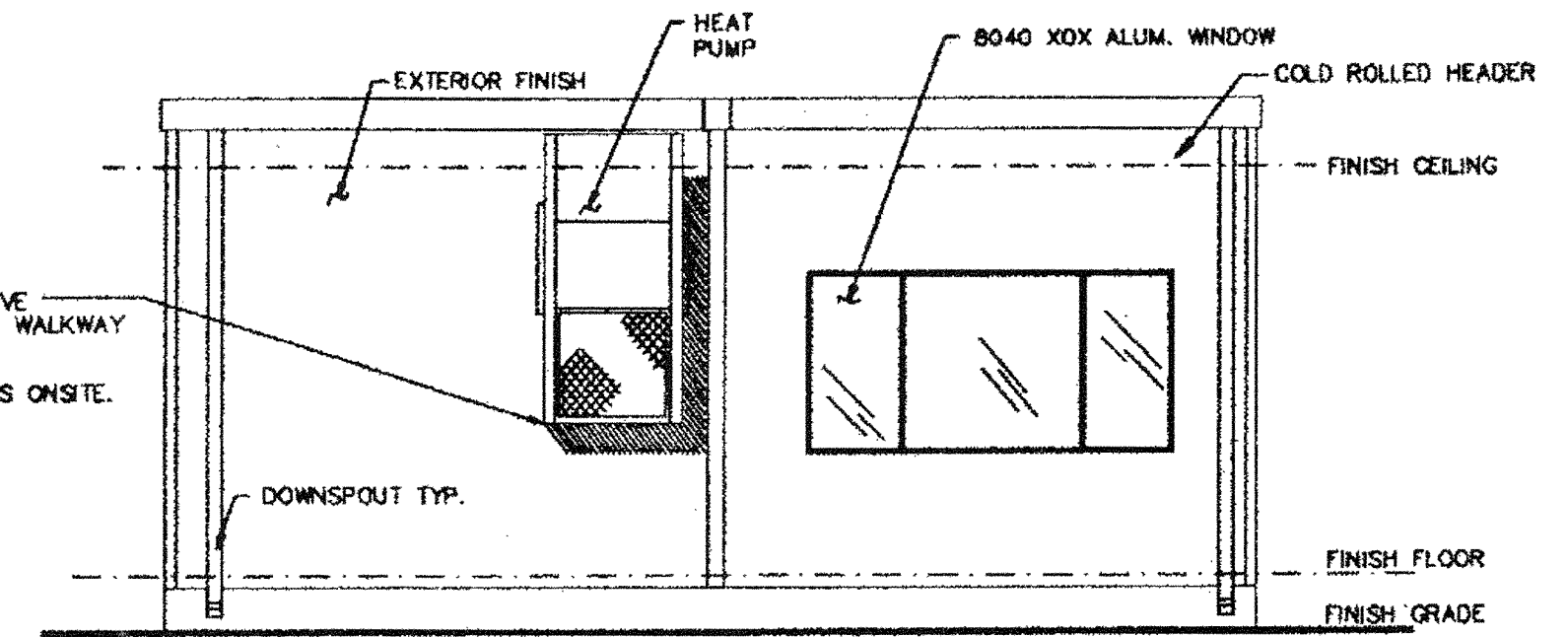
ELEVATION C
 (SEE SHEET A-1 FOR MONO SLOPE ROOF ELEVATIONS.)



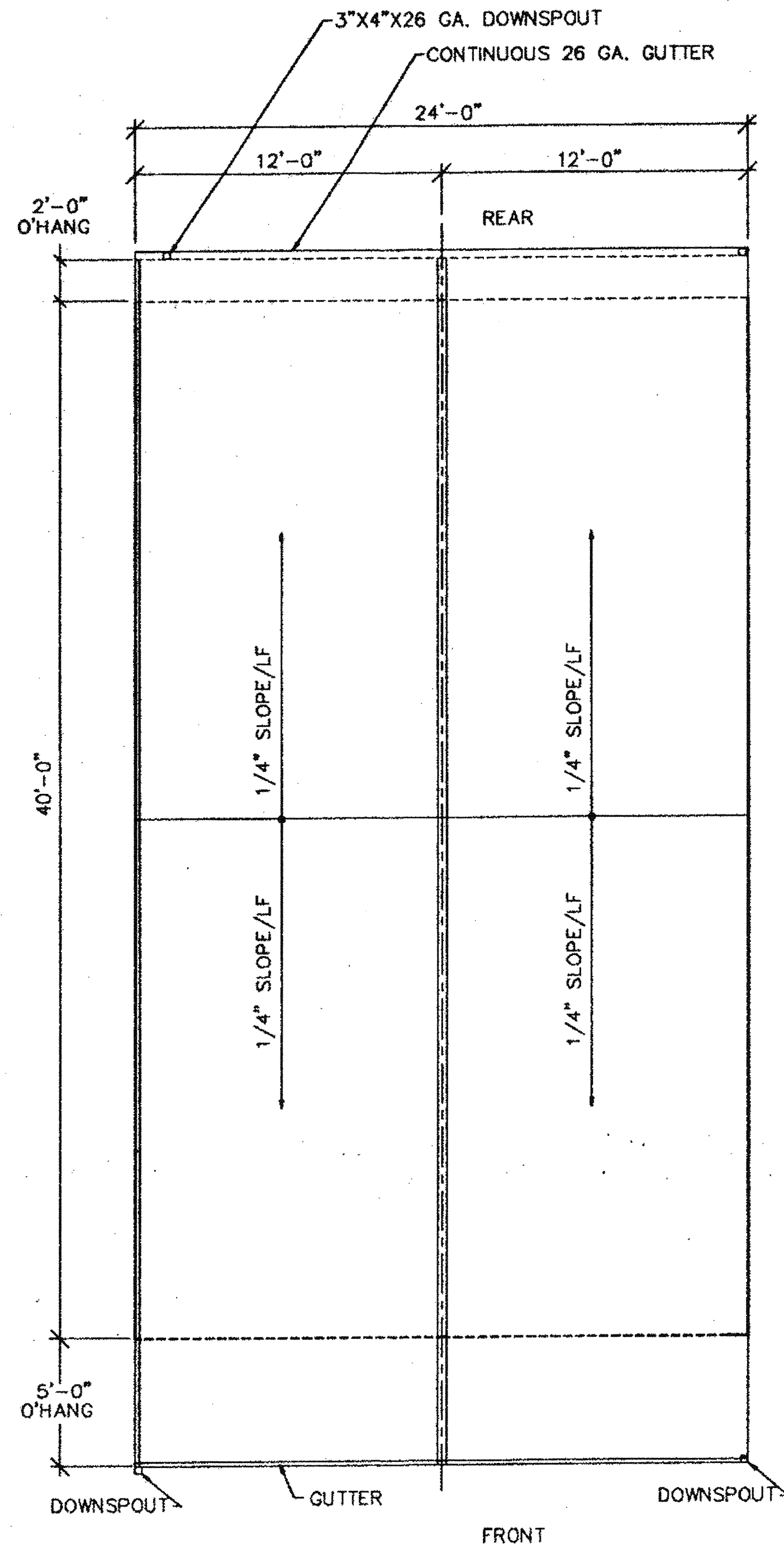
ELEVATION D
 (SEE SHEET A-1 FOR MONO SLOPE ROOF ELEVATIONS.)



ELEVATION A
 (SEE SHEET A-1 FOR MONO SLOPE ROOF ELEVATIONS.)

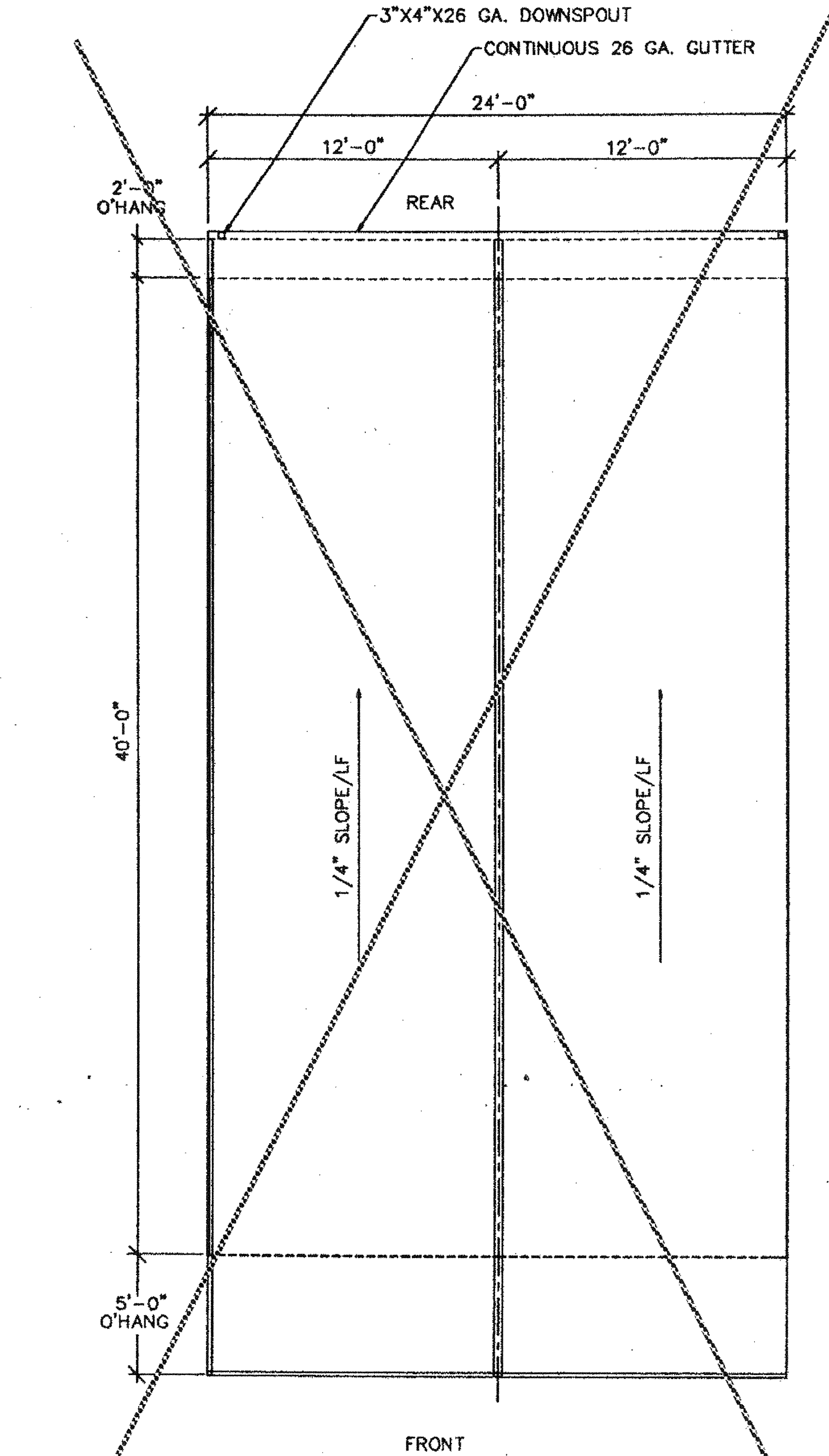


ELEVATION B
 (SEE SHEET A-1 FOR MONO SLOPE ROOF ELEVATIONS.)



DUAL PITCH ROOF PLAN

SEE SHEET G-1 FOR ROOFING MATERIALS

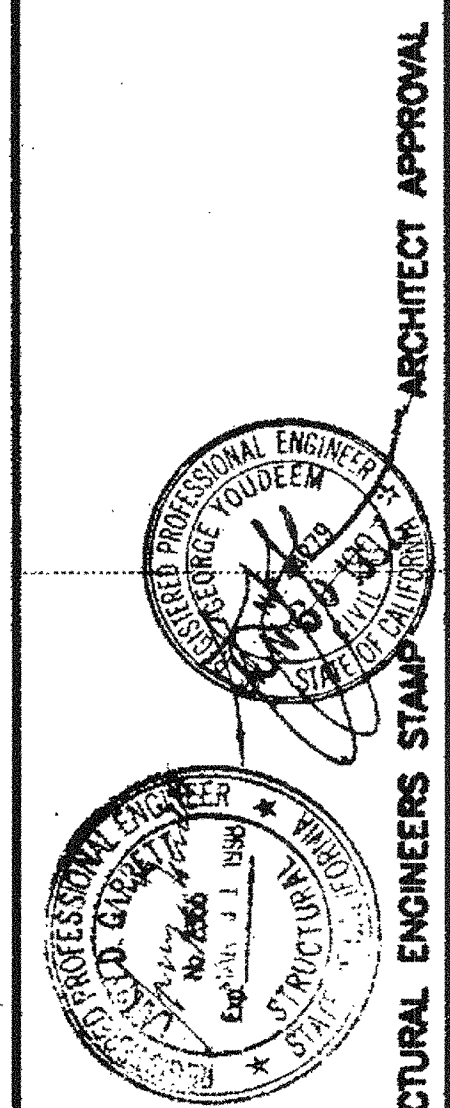


MONO PITCH ROOF PLAN

SEE SHEET G-1 FOR ROOFING MATERIALS

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

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180 CRAIG AVE. WESTPORT, CALIFORNIA 92087
PHONE: (609) 763-3035 FAX: (609) 763-1663

REGENCY ENGINEERING & CONSULTING GROUP
1000 W. 10TH AVE. SUITE # 108
HAVERHILL, CALIFORNIA 92041
TELEPHONE: (714) 263-3799
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JUN 17 1997

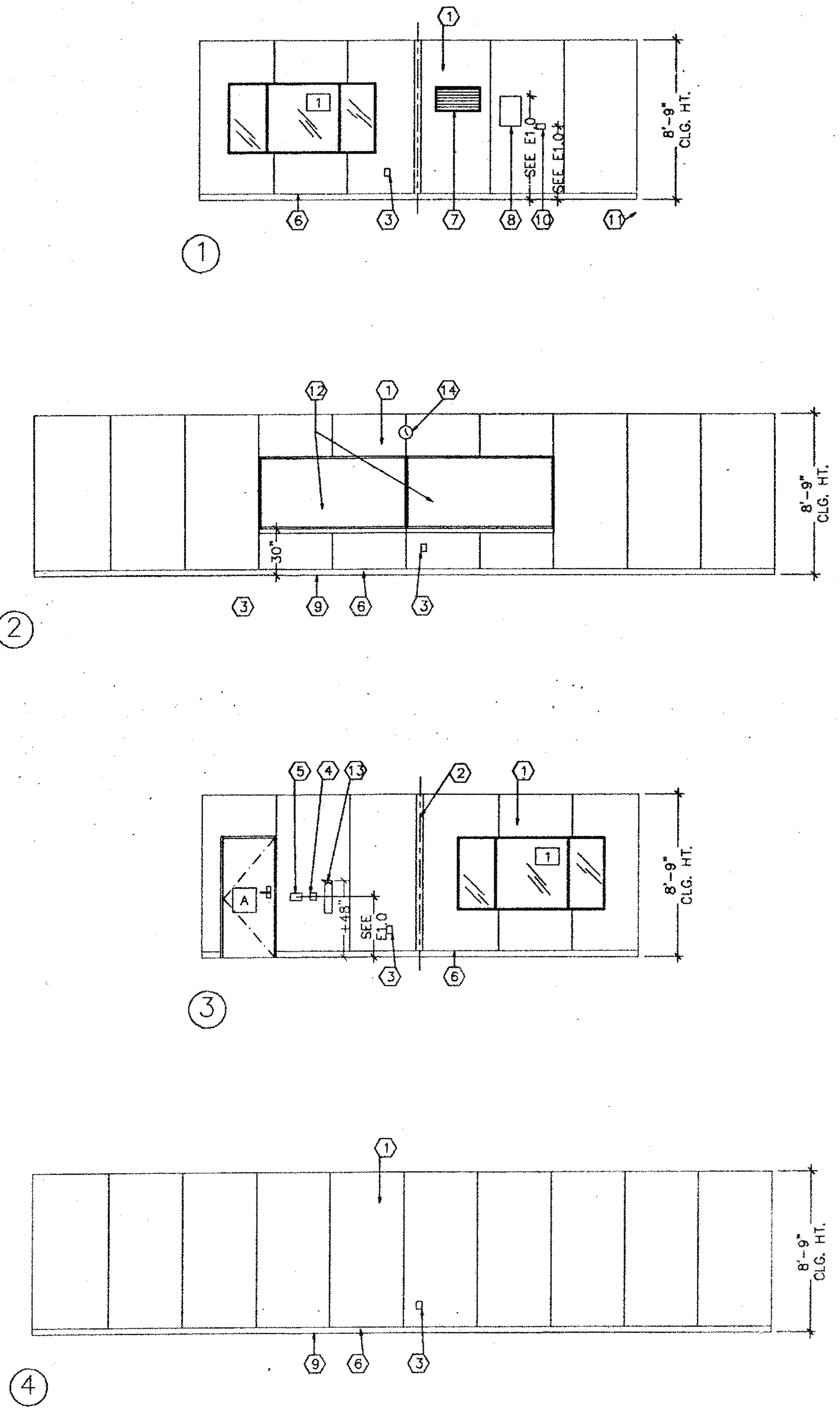
STATE AGENCY APPROVAL
APR 29 1997

PROJECT	24'X40' MODULAR CLASSROOM BUILDING
TITLE	ROOF PLANS (MONO AND DUAL PITCH)
JOB #	96-1310
DATE	11/21/96
DRAWN BY	
SCALE	
APPROVED	
REVISIONS	
Δ	2/4/97
Δ	3/17/97 DSA REV.
Δ	3/24/97 MSI REV.
Δ	3/31/97 MSI REV.
Δ	4/25/97 MSI REV.
PLOT DATE:	04/28/97
SHEET NO.	

A-3-24

PC-323

24x40



NOTES:

- 1 EXTERIOR DOOR (SEE DOOR SCHEDULE SHT. A5.0)
- A EXTERIOR WINDOW (SEE WINDOW SCHEDULE SHT. A5.0)
- 1 TYPICAL INTERIOR FINISH (SEE FINISH SCHEDULE SHT. A5.0)
- 2 CLOSURE AT MODULAR JOINT
- 3 DUPLEX WALL RECEPTACLE +18" AFF TO CENTER (SEE E1.0)
- 4 FIRE ALARM PULL STATION (SEE E1.0) MOUNT AT 48" AFF.
- 5 LIGHT SWITCH (SEE E1.0)
- 6 TOP SET BASE (TYPICAL) SEE FINISH SCHEDULE
- 7 RETURN AIR GRILL
- 8 ELECTRICAL PANEL (SEE E1.0)
- 9 FINISH FLOOR
- 10 THERMOSTAT SEE MECH. DWGS. AND SHT. E1.0
- 11 MODULAR JOINT
- 12 8'-0" X 4'-0" MARKERBOARD
- 13 FIRE EXTINGUISHER: 5 LBS. DRY CHEM W/ 2A -10BC UL RATING. MOUNT ON WALL, HANDLE AT +48" AFF
- 14 12" DIA. ELECTRIC CLOCK (SEE SHT. E1.0)

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 PHONE: (909) 788-3035 FAX: (909) 788-1823

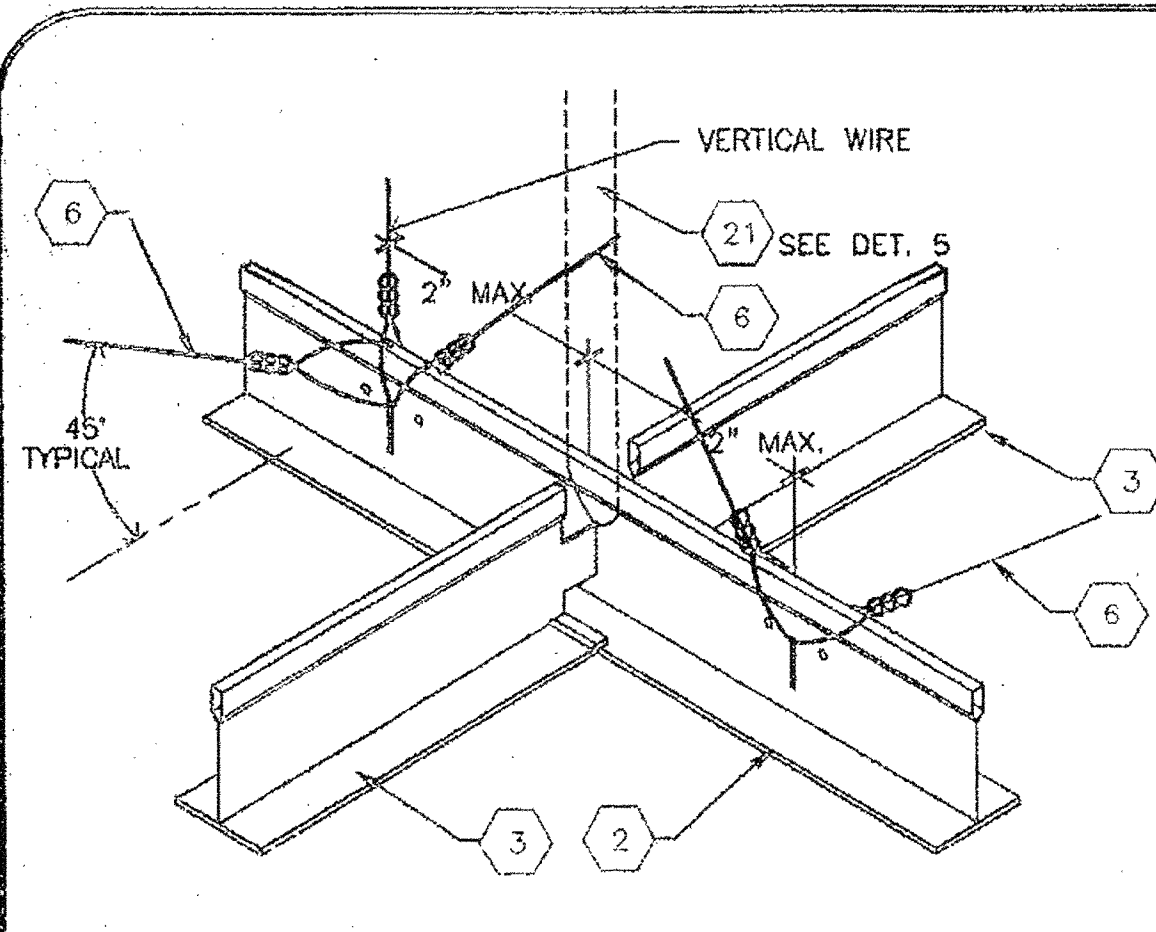
REGENCY ENGINEERING & CONSULTING GROUP
 17165 VON KARMAN, SUITE # 108
 IRVINE, CALIFORNIA 92614
 TEL: (714) 953-3799
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STATE AGENCY APPROVAL
 PROJECT 24'X40' MODULAR CLASSROOM BUILDING
 TITLE INTERIOR ELEVATIONS

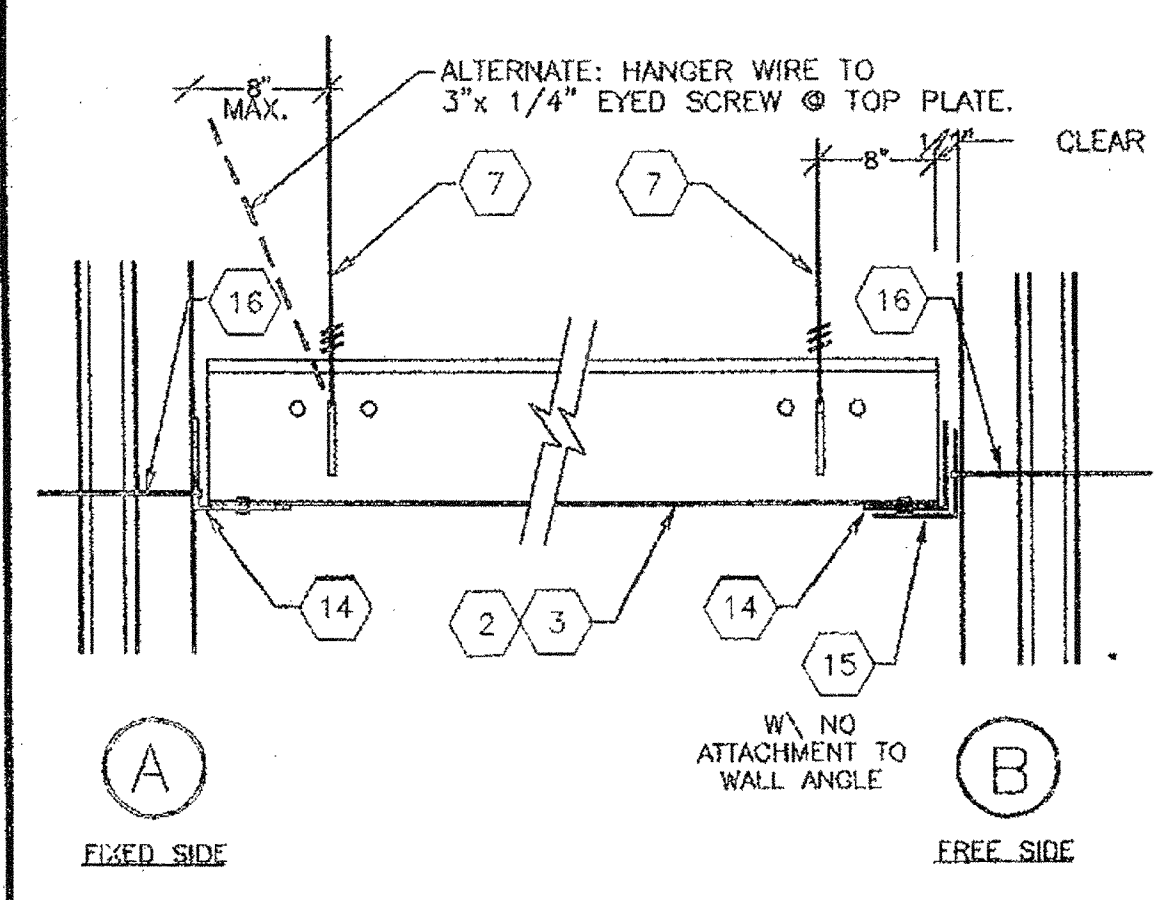
STATE AGENCY APPROVAL
 JOB # 96-1310
 DATE 11/21/96
 DRAWN BY
 SCALE
 APPROVED

REVISIONS
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 3/17/97 DSA REV
 3/24/97 MSI REV
 3/31/97 MSI REV
 4/25/97 MSI REV

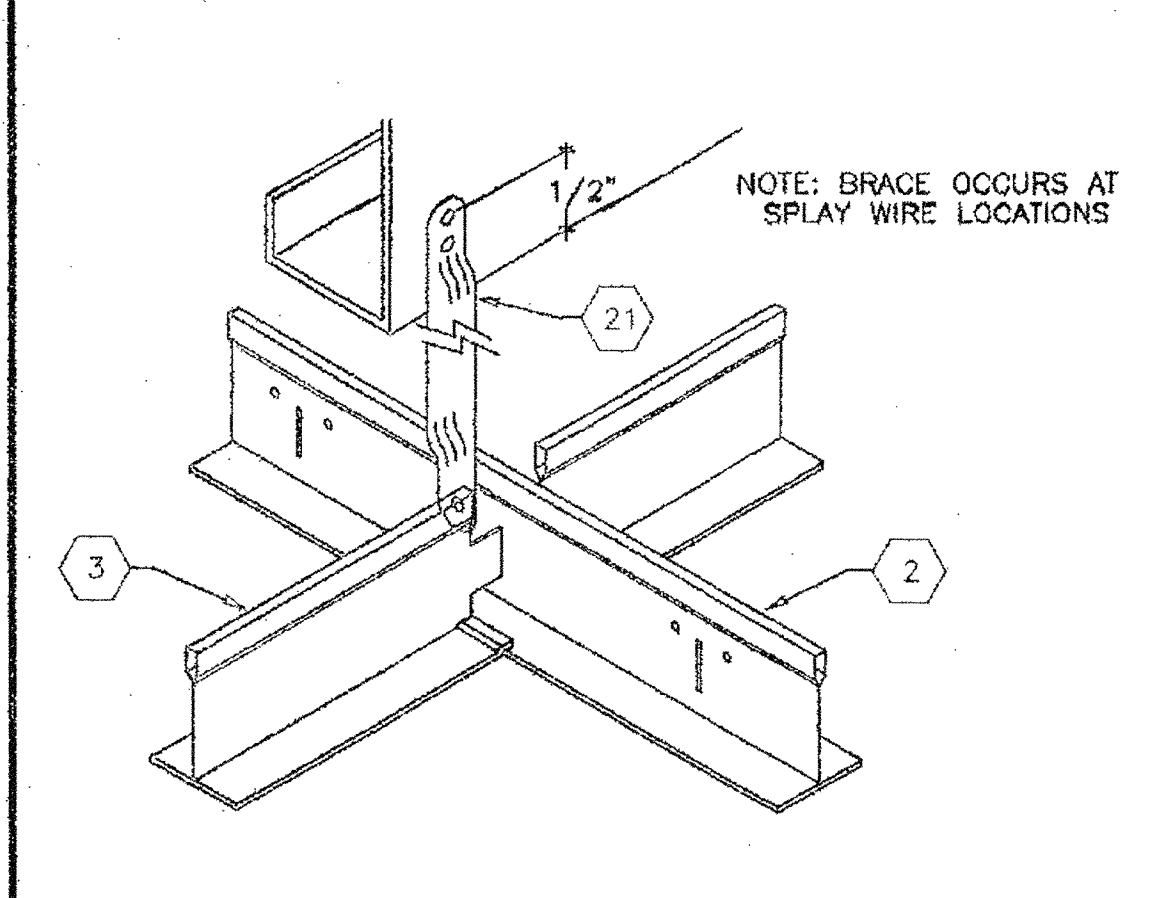
STATE AGENCY APPROVAL
 PLOT DATE: 04/28/97
 SHEET NO. A-4-24



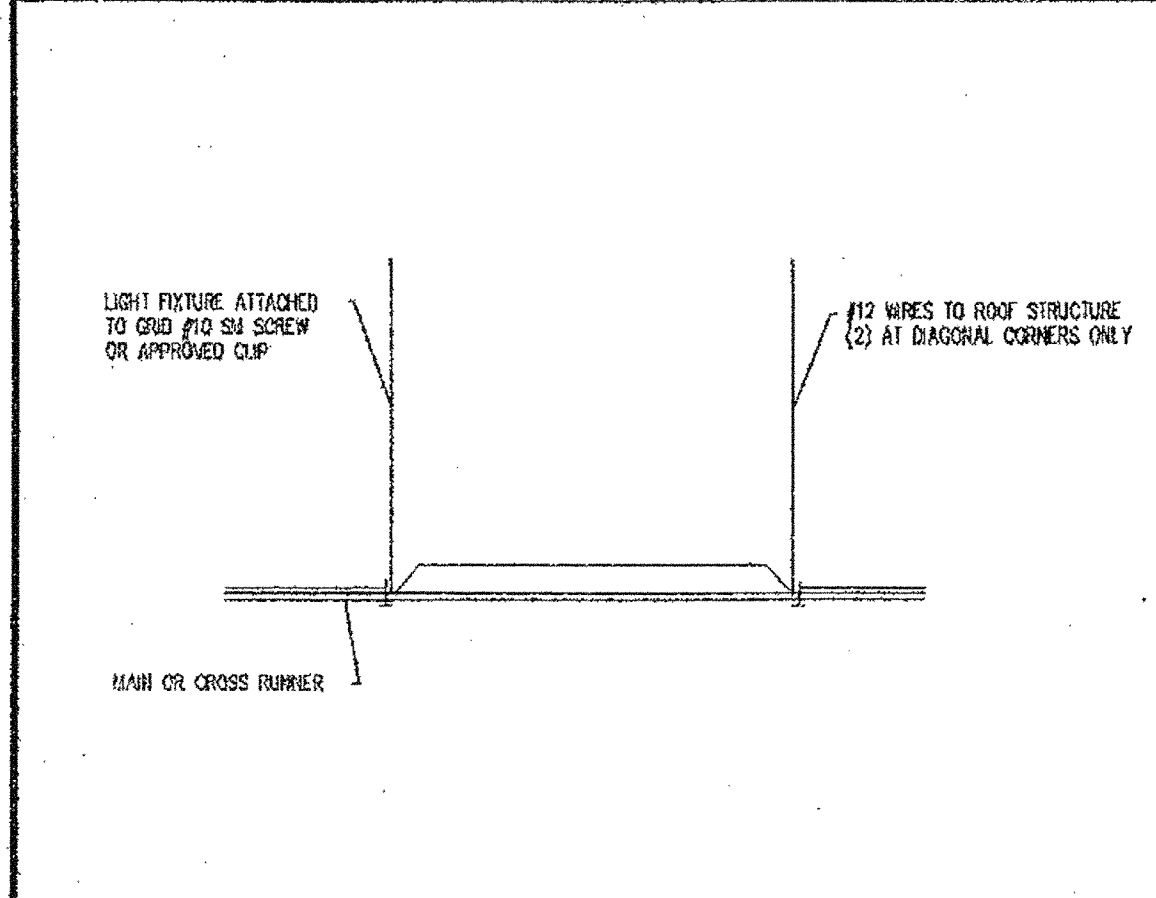
1 SPLAY WIRE



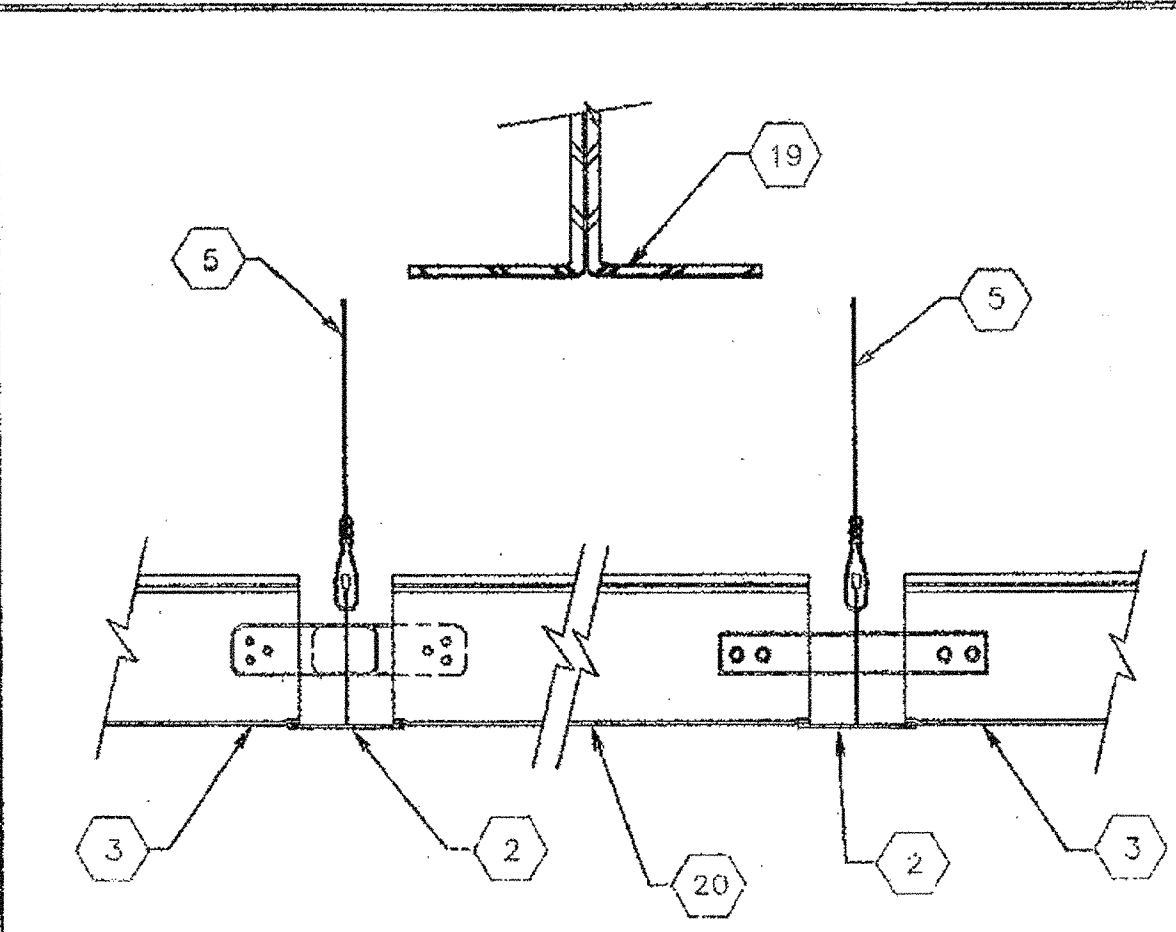
3 GRID AT WALL



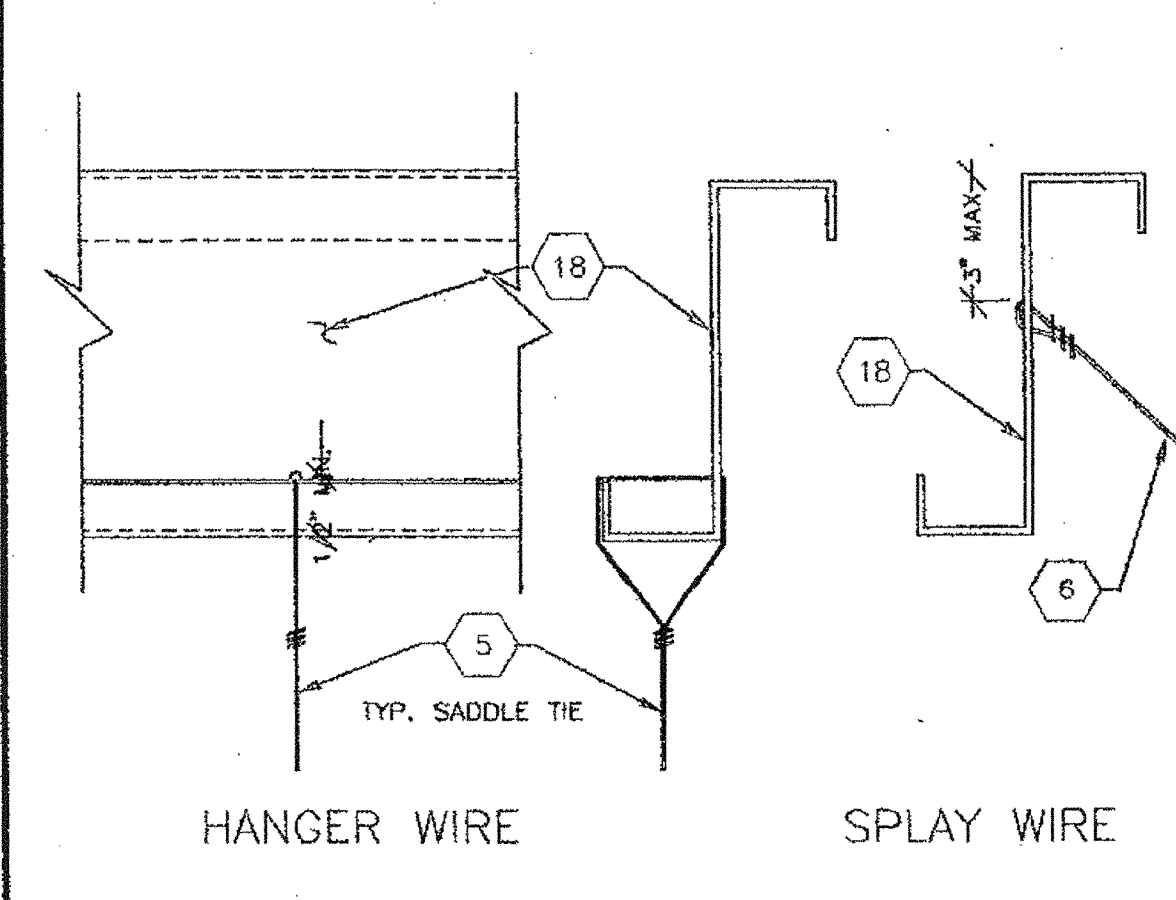
5 VERTICAL BRACE



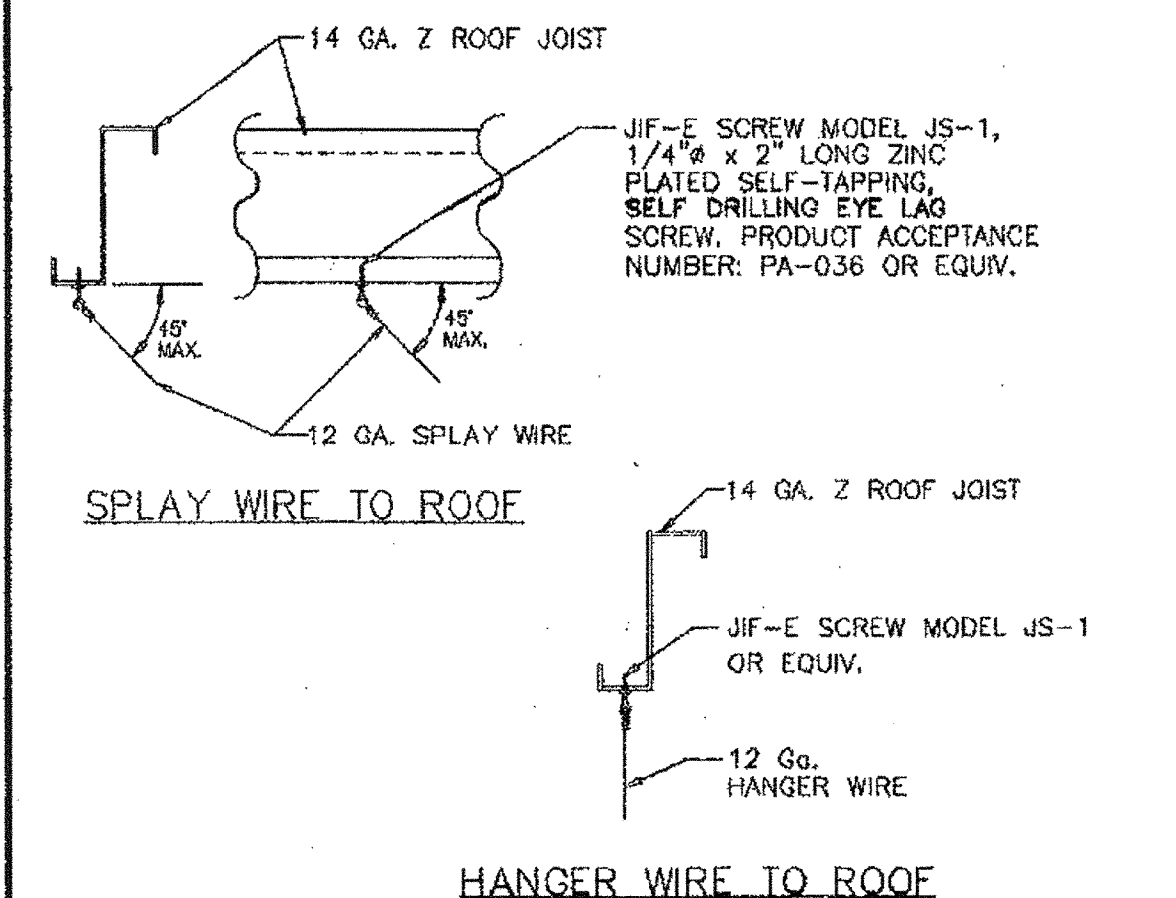
7 LIGHTING FIXTURE DETAIL NYS



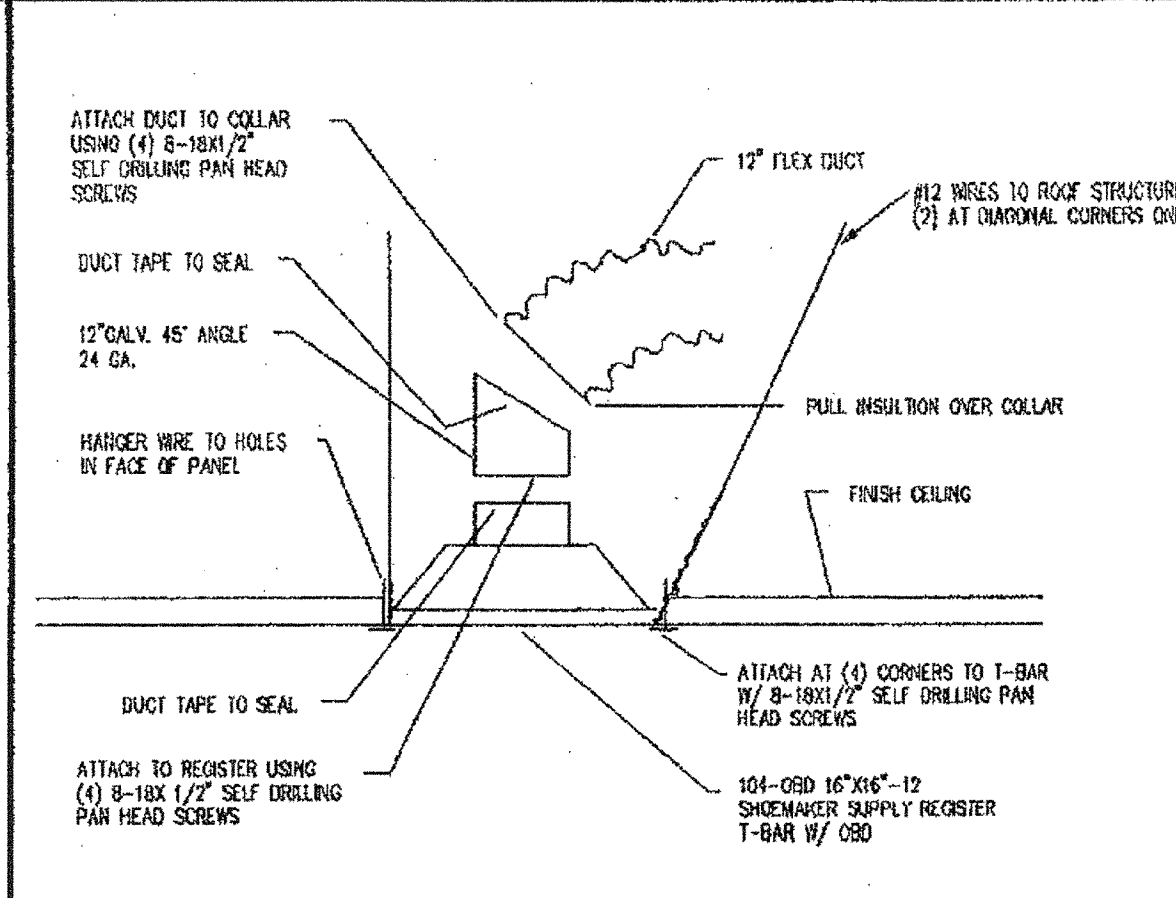
2 GRID AT MODLINE



4 WIRE ATTACHMENT



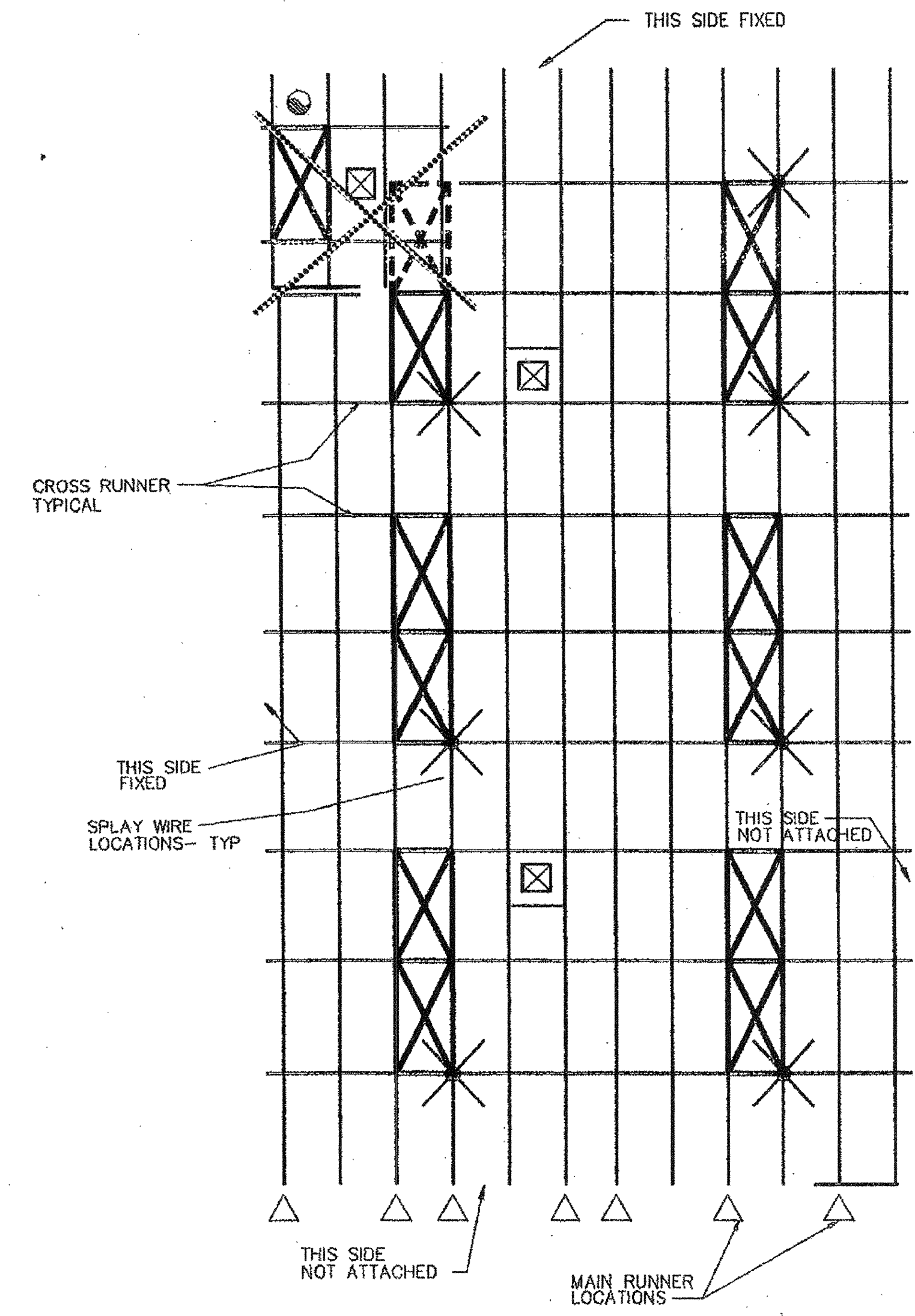
6 ALTERNATE WIRE ATTACHMENT



8 REGISTER BOX DETAIL NYS

KEY NOTES

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



REFLECTED CEILING PLAN

LEGEND

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

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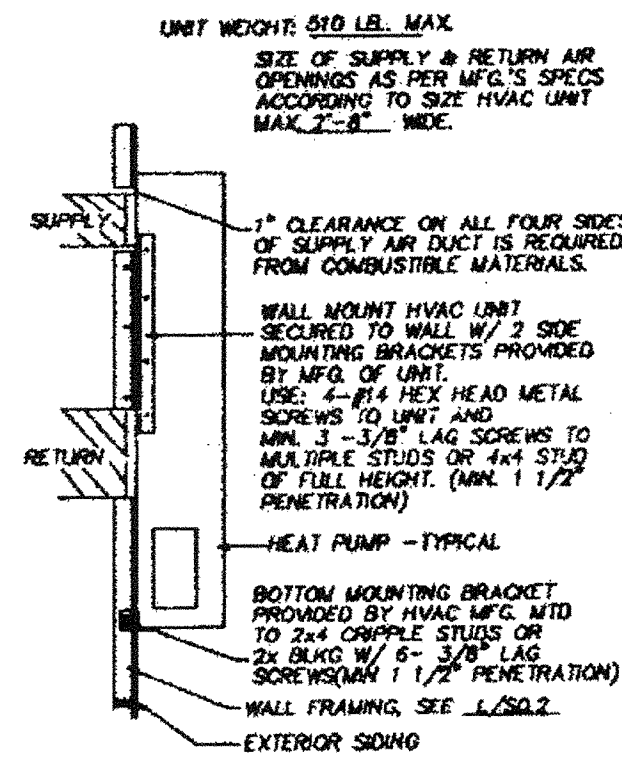
ARCHITECT APPROVAL
 STRUCTURAL ENGINEERS STAMP
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 JUN 20 2016

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 MODULAR STRUCTURES INTERNATIONAL, INC.
 980 CENTRAL EXP. HWY. SUITE 108
 IRVINE, CALIFORNIA 92614
 PHONE: (949) 768-3035 FAX: (949) 768-0823

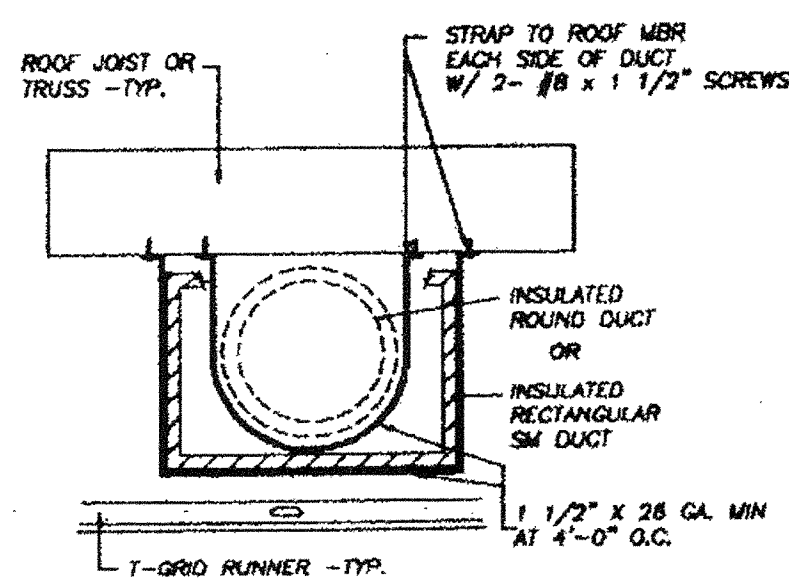
REGENCY ENGINEERING & CONSULTING GROUP
 17165 VON KARMAN, SUITE # 108
 IRVINE, CALIFORNIA 92614
 PHONE: (714) 662-3720
 A SUBSIDIARY OF REGENCY COMPANY, INC.

PROJECT: 24'X40' MODULAR CLASSROOM BUILDING
 TITLE: REFLECTED CEILING PLAN

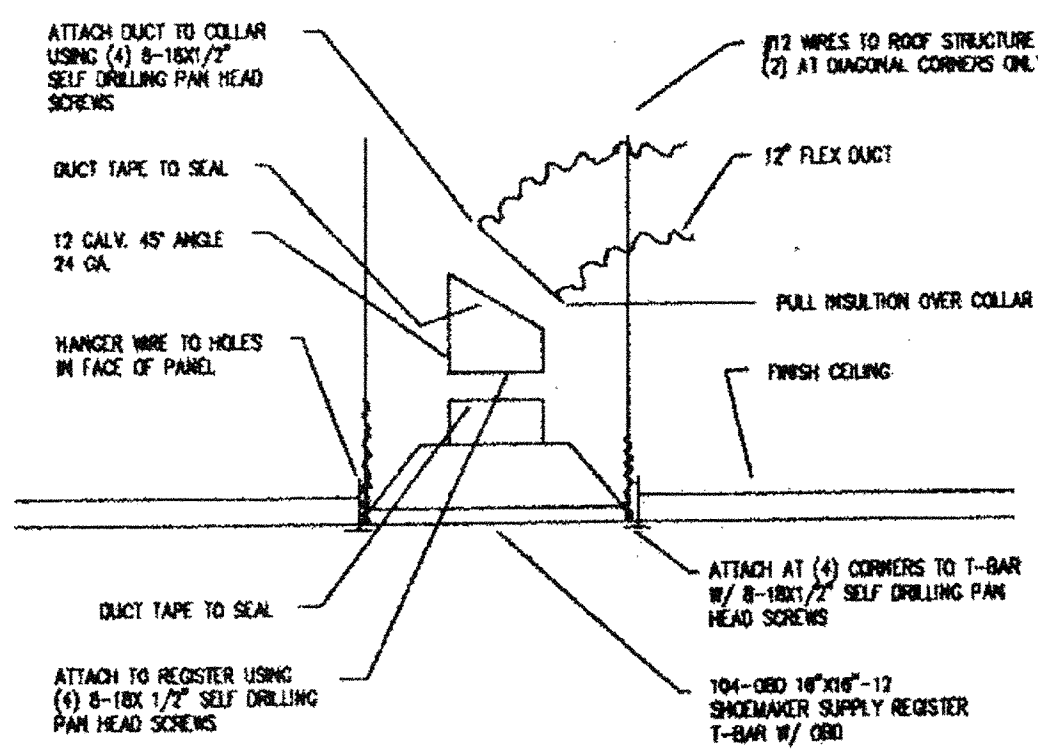
JOB #: 96-1310
 DATE: 11/21/96
 DRAWN BY:
 SCALE:
 APPROVED:
 REVISIONS:
 2/4/97
 3/17/97 DSA REV.
 3/24/97 MSI REV.
 3/31/97 MSI REV.
 4/25/97 MSI REV.
 PLOT DATE: 04/28/97
 SHEET NO. A-6-24



HVAC MOUNTING
 SCALE 3/4" = 1'-0"



DUCT MOUNTING
 SCALE 1" = 1'-0"



REGISTER BOX DETAIL
 NTS

EQUIPMENT & MATERIAL SCHEDULE

HP 1 HEAT PUMP 'BARD' WALLMOUNT, WH421-LA08YX4, OR EQUIV. 41,500 NOM. BTUH COOLING CAPACITY 41,000 NOM. BTUH HEATING CAPACITY FROM COMPRESSOR OR 27,300 NOM. BTUH HEATING CAPACITY FROM HEAT STRIP BUT NOT BOTH MCA 46, MOCP 50, 1500 CFM @ .3 ESP, UNIT WEIGHT 510 LB. 230 VOLT, 60 CYCLE, SINGLE PHASE

INTERIOR DUCTWORK- FLEX DUCT W/ 1" INSULATION- CLASS I U.L.-181

LEGEND

- Ⓢ THERMOSTAT - WHITE ROGERS 1F92-71 MOUNT AT +48" A.F.F.
- ⊠ 16"x16" LAY-IN, 4-WAY OPPOSED BLADE SUPPLY AIR DIFFUSER (750 CFM)

MECHANICAL NOTES

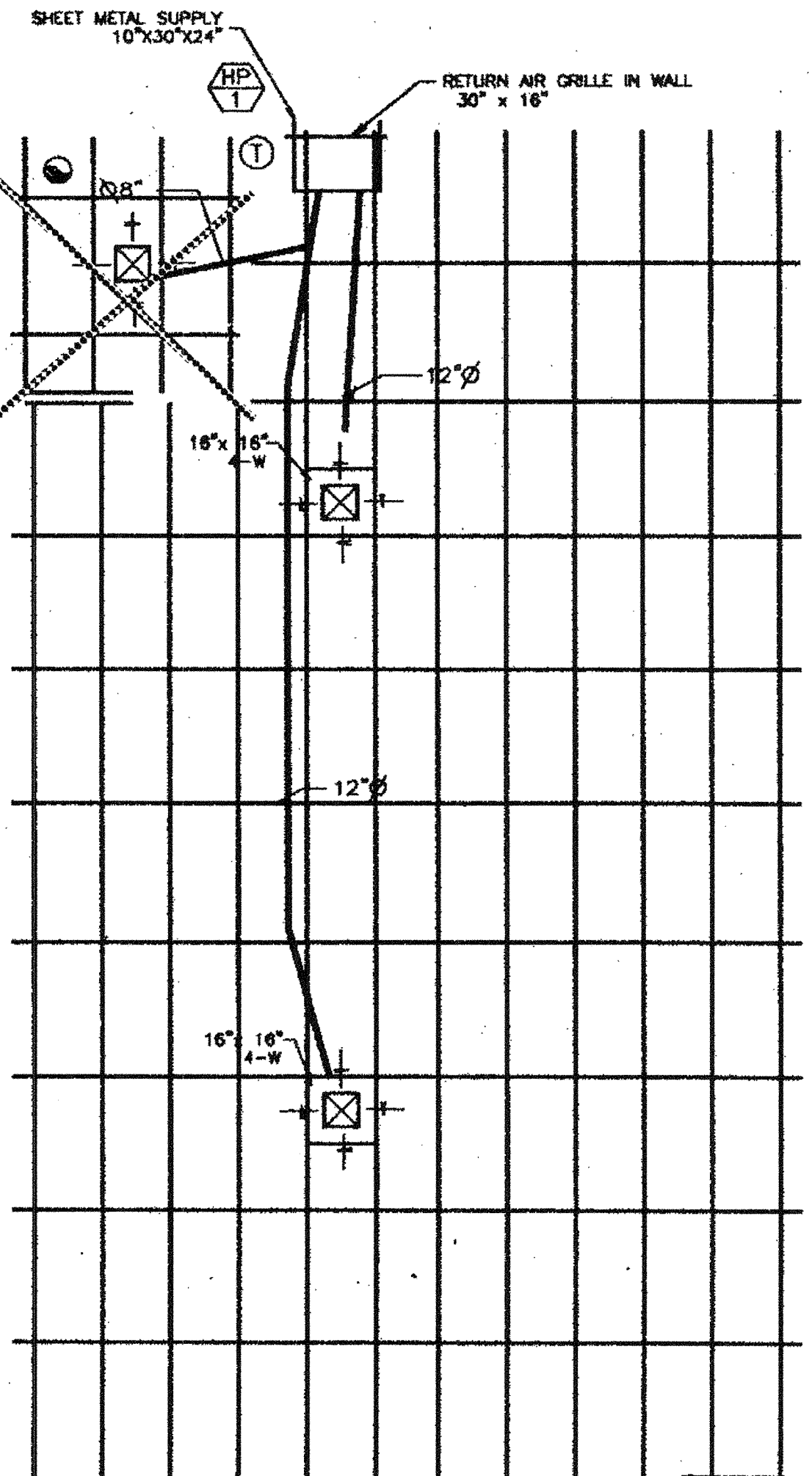
ROUND FLEX DUCT SHALL BE 'GLASS FLEX' ABL-181 OR EQUAL U.L. LISTED CLASS I FLEXIBLE DUCT WITH 13/16" THICK FIBERGLASS INSULATION, NON-PERFORATED LINER AND ADJUSTABLE SHEET METAL COLLARS.

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

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

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

TAP	RANGE
240	253-216
208	220-187



MECHANICAL PLAN

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STRUCTURAL ENGINEERS STATE OF CALIFORNIA

PROFESSIONAL ENGINEER

PROFESSIONAL ENGINEER

STATE AGENCY APPROVAL

STATE OF CALIFORNIA

JUN 20 2016

STATE AGENCY APPROVAL

STATE OF CALIFORNIA

JUN 17 1997

STATE AGENCY APPROVAL

STATE OF CALIFORNIA

APR 29 1997

MSI
 MODULAR STRUCTURES INTERNATIONAL, INC.
 880 OFFICE AVE. MENLO PARK, CALIFORNIA 94027
 PHONE: (650) 786-3355 FAX: (650) 786-1888

ARCHITECT APPROVAL

REGENCY ENGINEERING & CONSULTING GROUP
 10800 FERNVA 92016 # 108
 TELEPHONE: (714) 263-3799
 FAX: (714) 263-3795
 A SUBSIDIARY OF REGENCY COMPANY, INC.

STATE AGENCY APPROVAL

PROJECT: 24'x40' MODULAR CLASSROOM BUILDING

JOB #: 96-1310

DATE: 11/21/96

DRAWN BY:

SCALE:

APPROVED:

REVISIONS

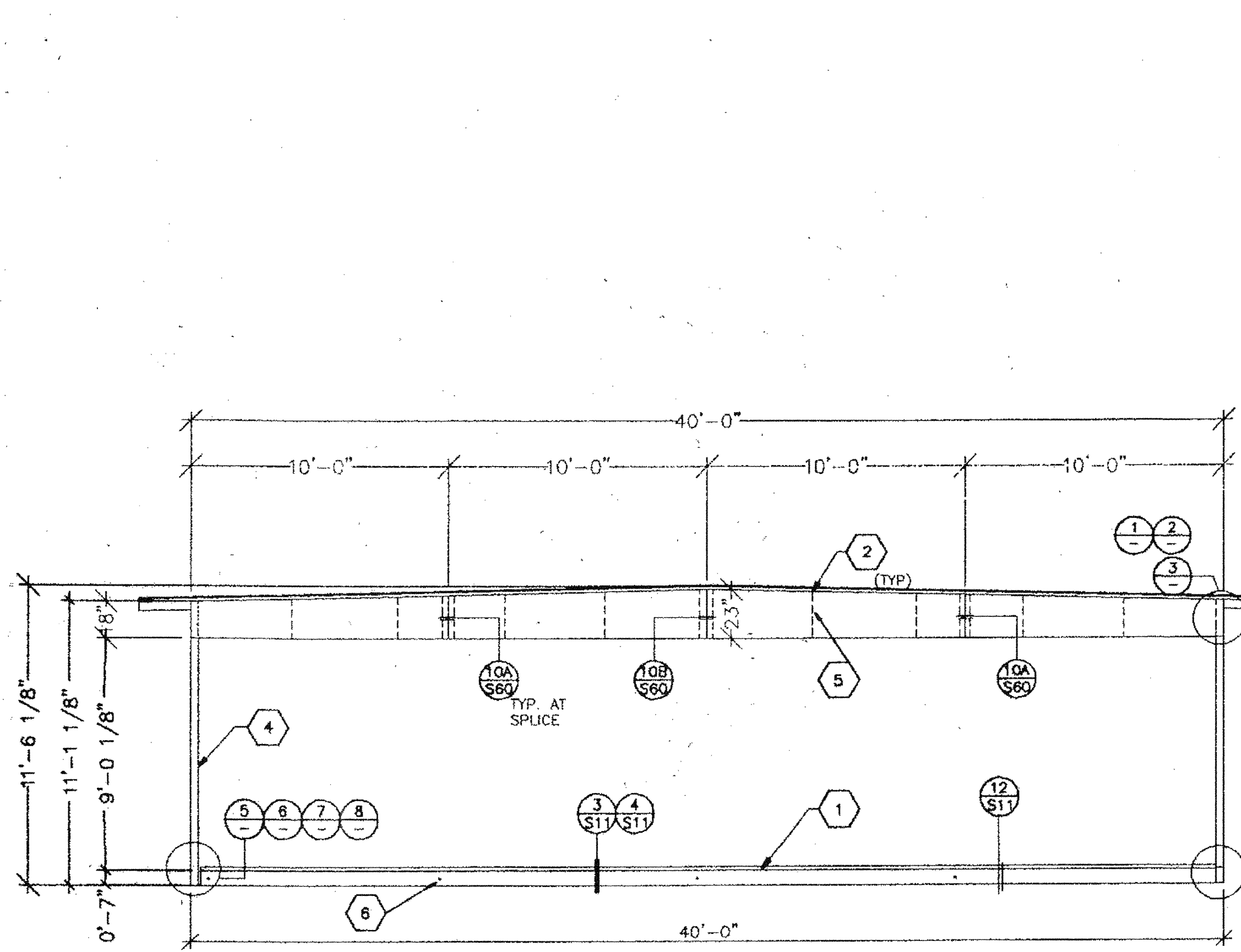
Δ	2/4/97
Δ	3/17/97 DSA REV.
Δ	3/24/97 MSI REV.
Δ	3/31/97 MSI REV.
Δ	4/25/97 MSI REV.

PLOT DATE: 04/28/97

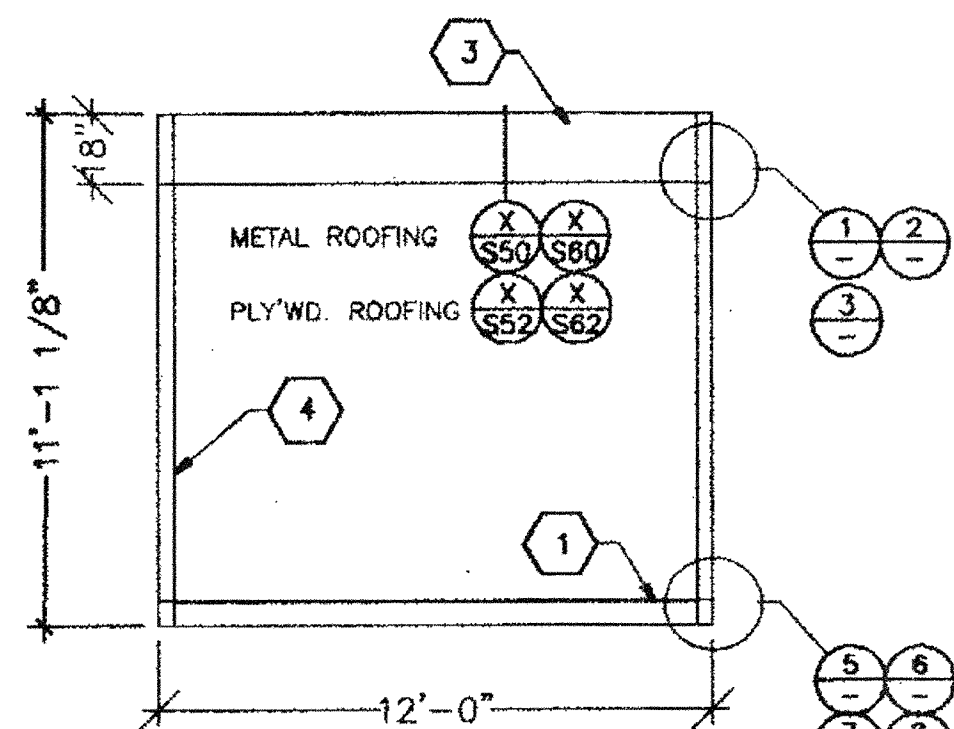
SHEET NO. M-1-24

TITLE: MECHANICAL PLAN

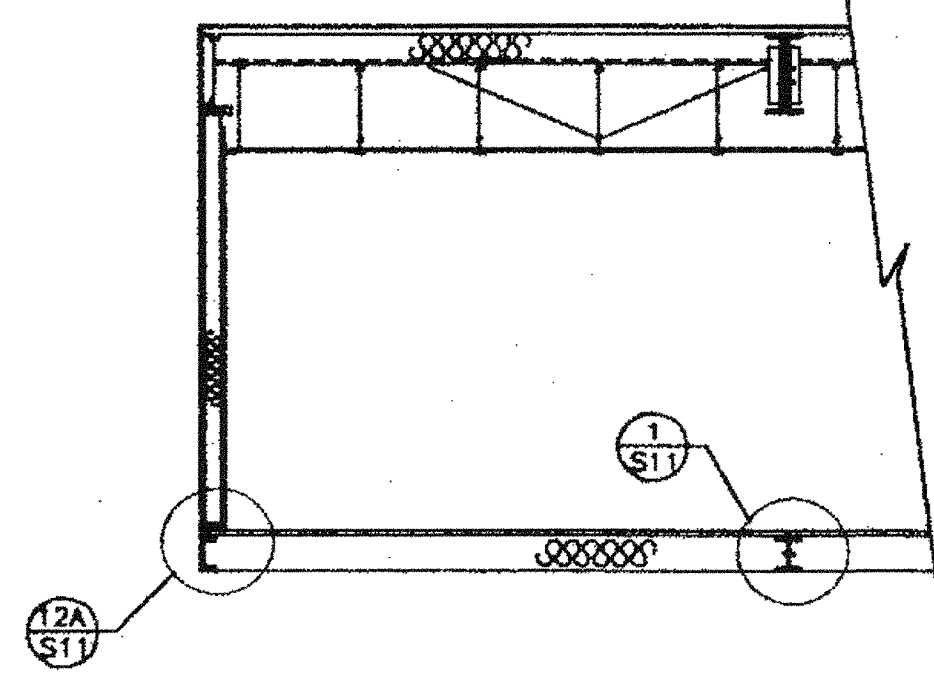
24x40



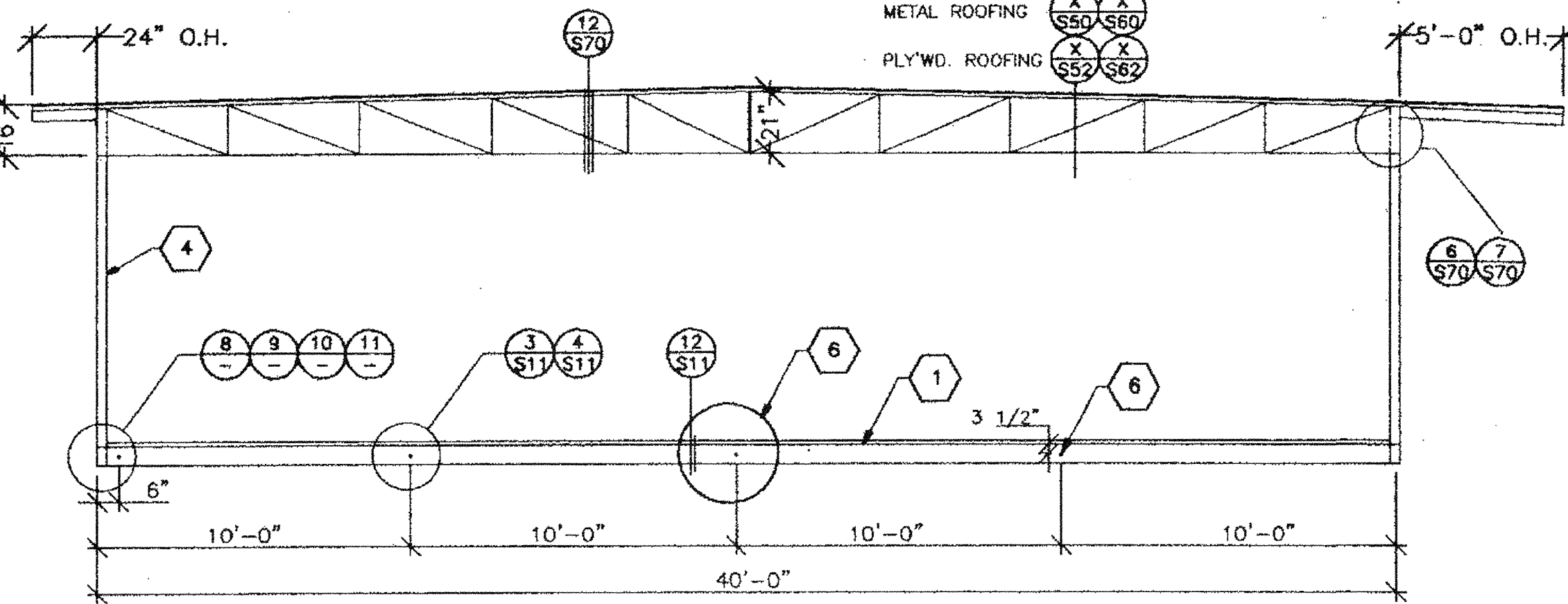
SIDEWALL STRUCTURAL ELEVATION



RIGID ENDWALL FRAME



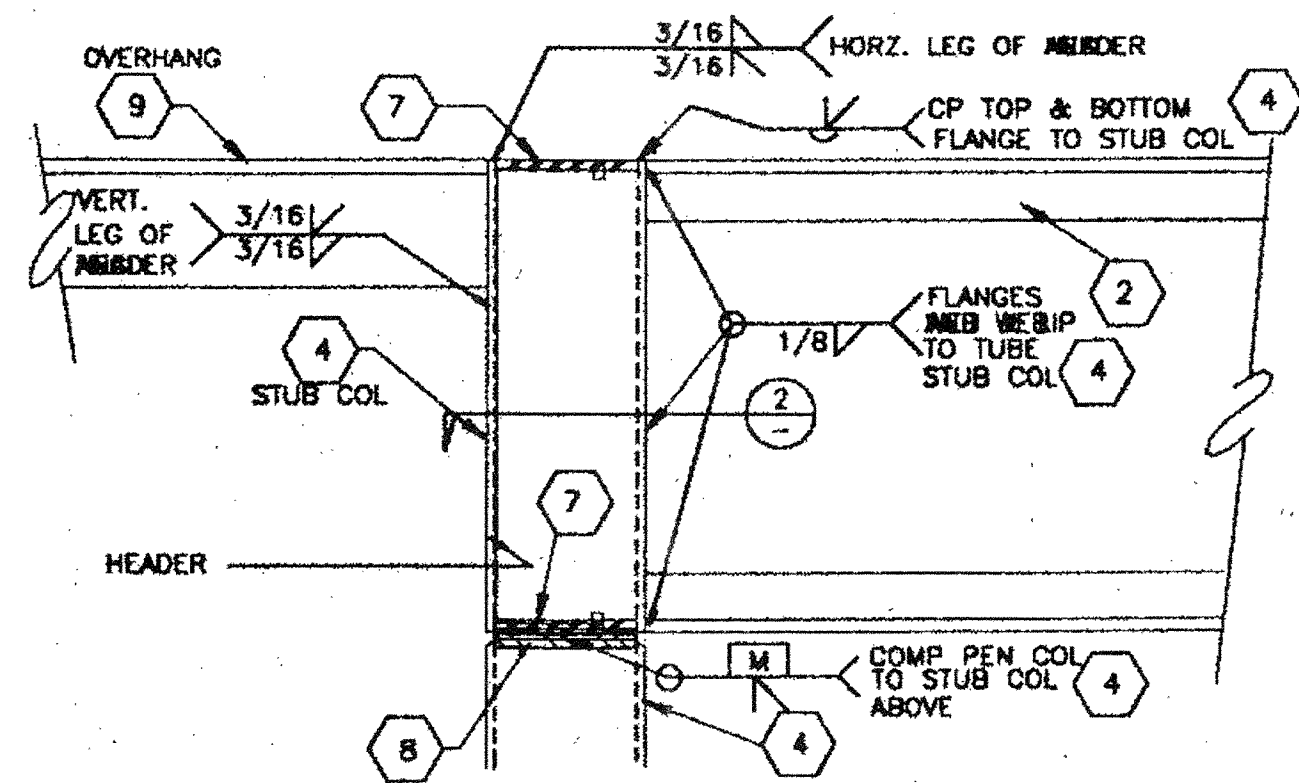
MULTI WIDE CROSS SECTION



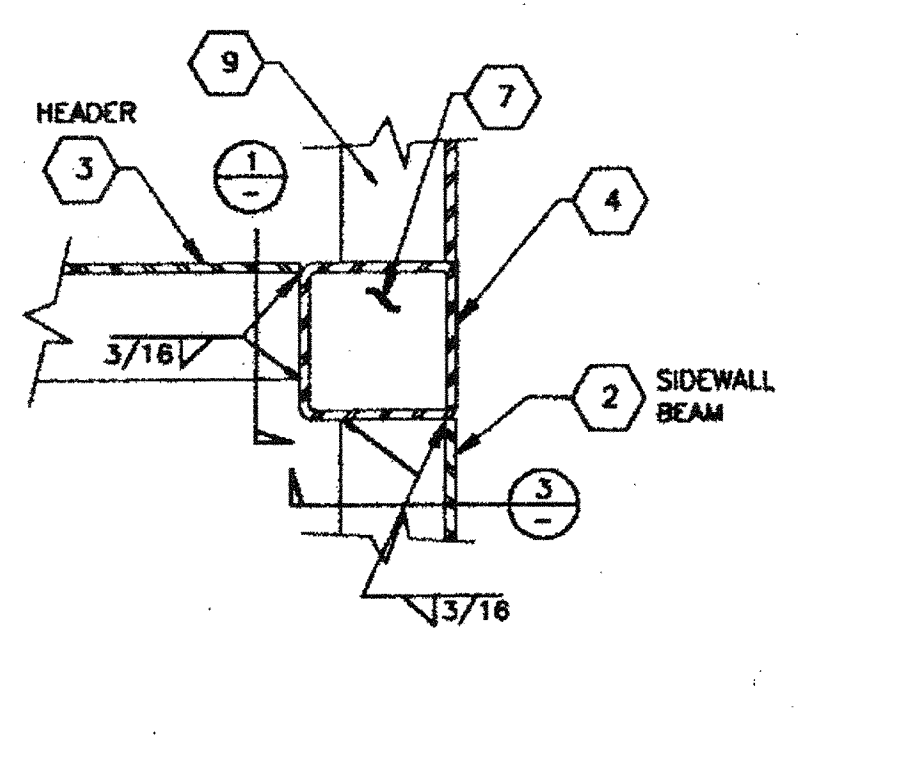
LONGITUDINAL CROSS SECTION

STRUCTURAL CROSS SECTIONS (COLD ROLLED)

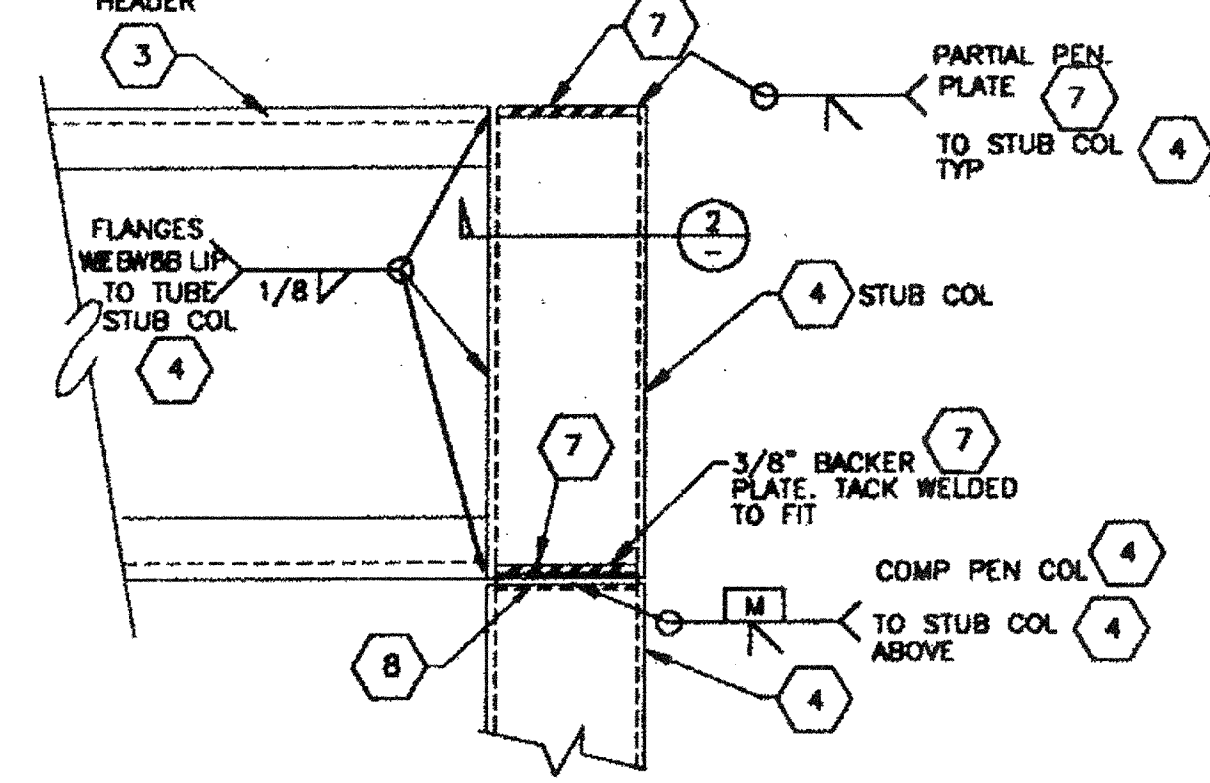
SCALE 1/4" = 1'-0"



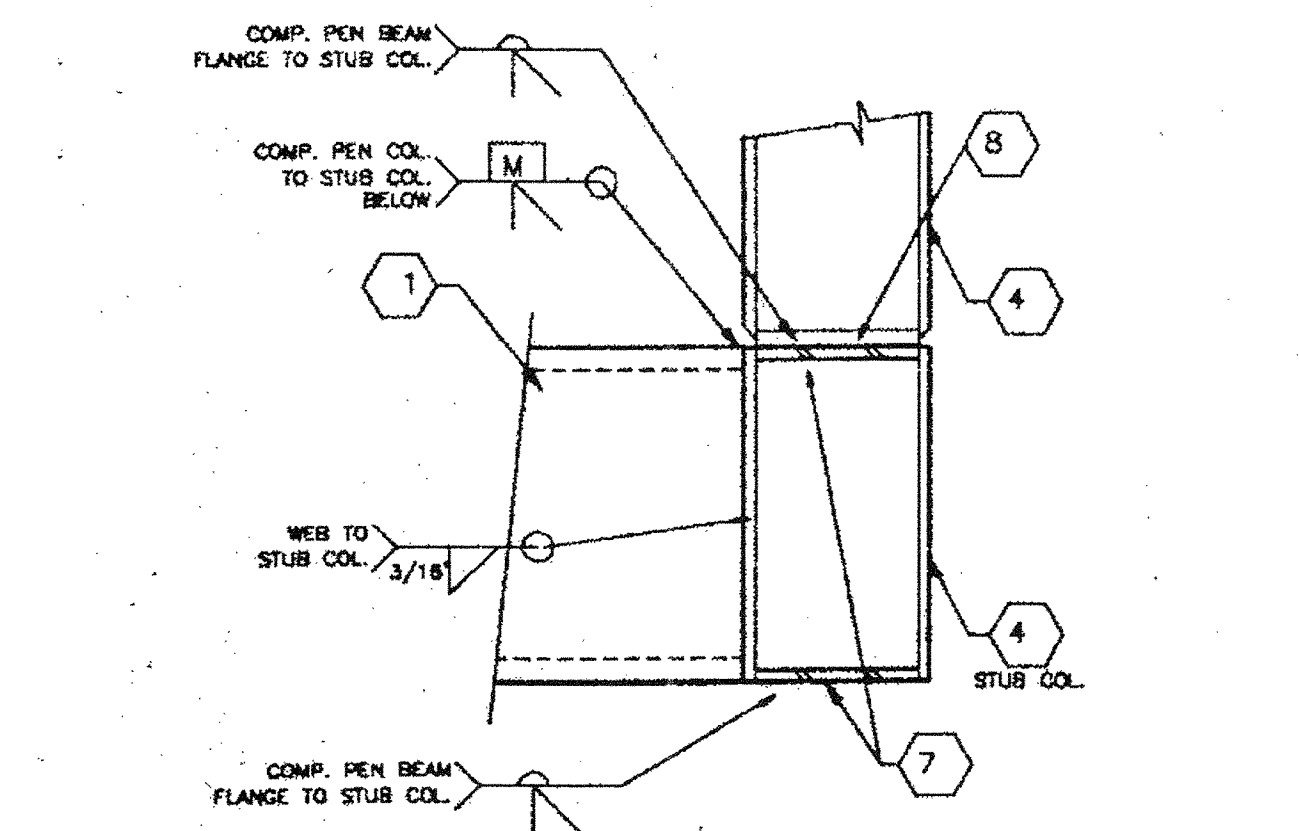
1 POST CONN. @ ROOF LONGITUDINAL



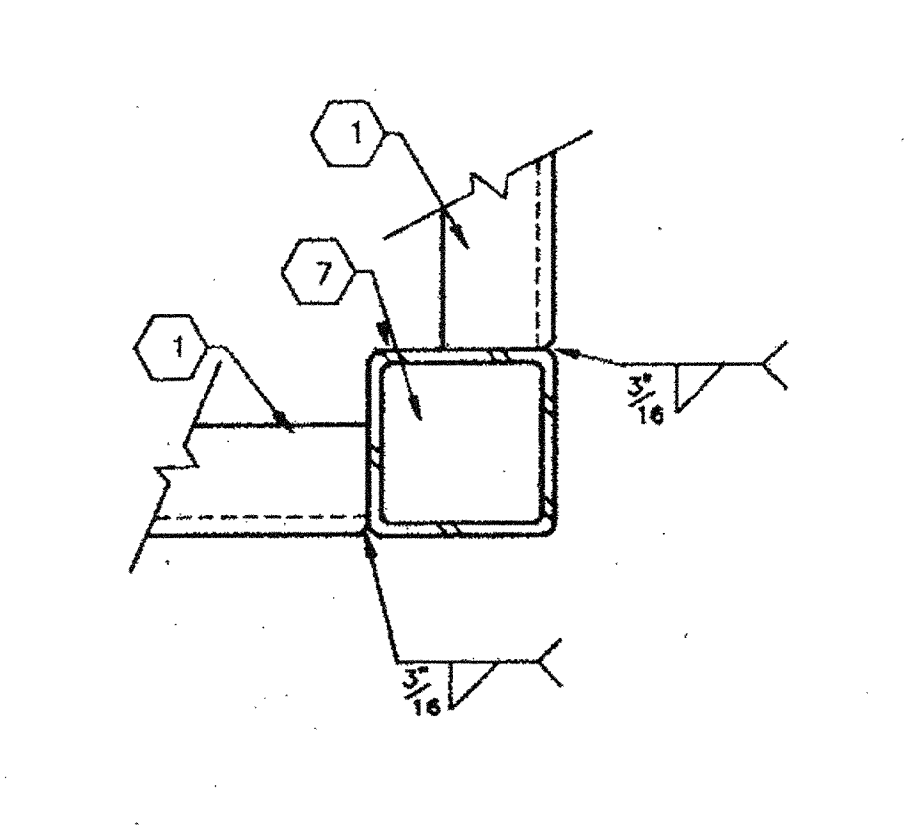
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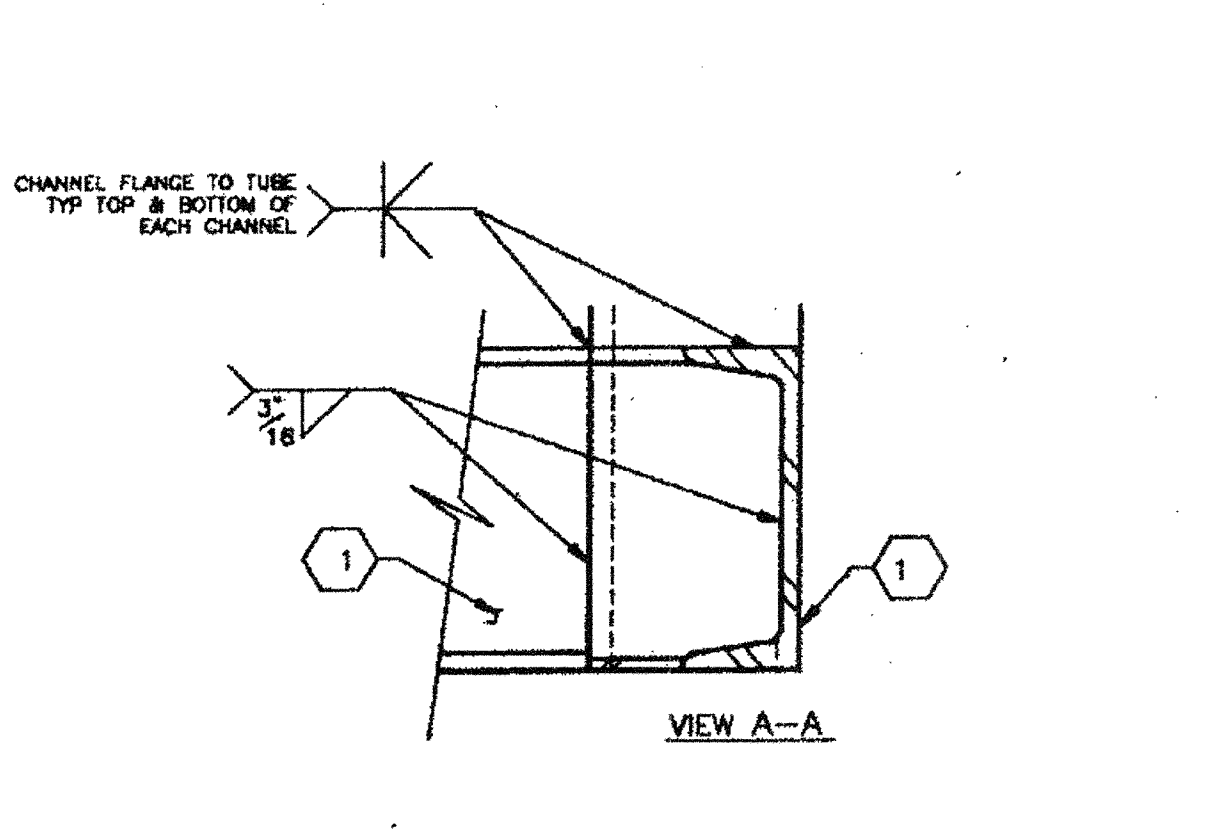
3 POST CONN. @ ROOF TRANSVERSE



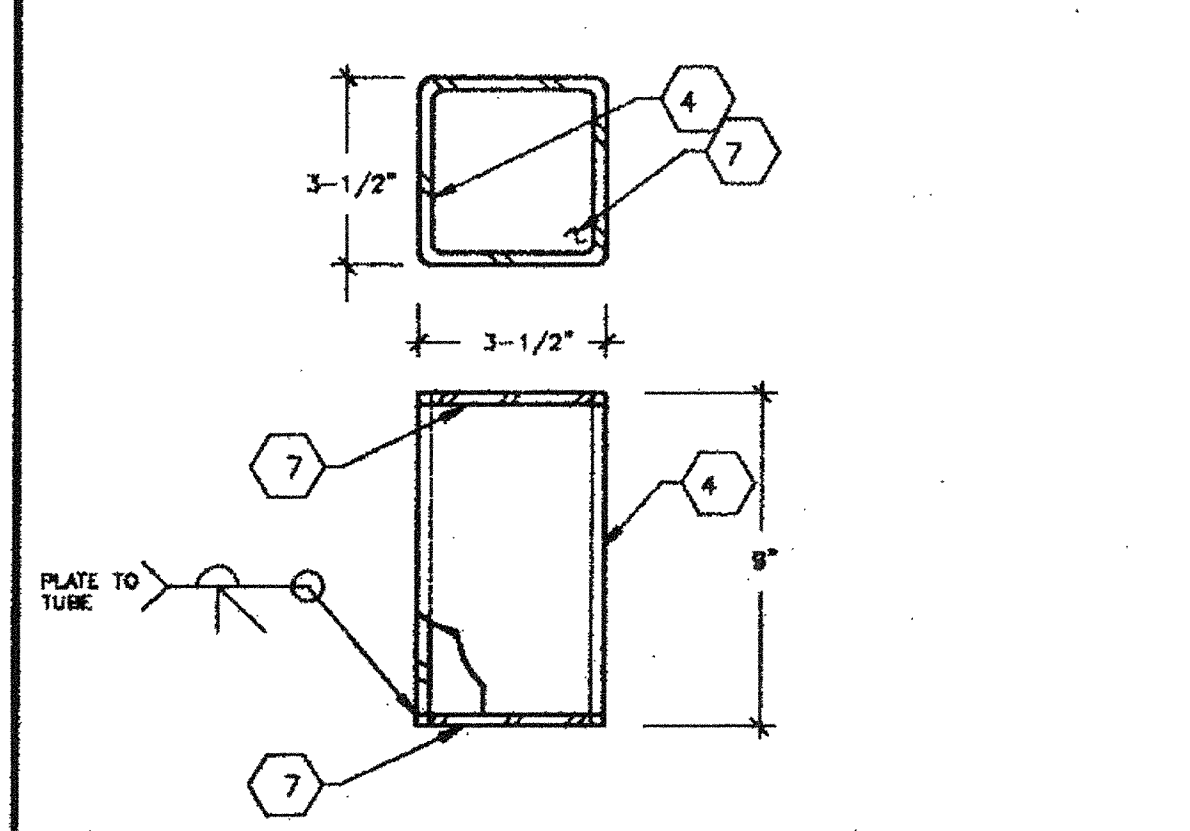
5 COLUMN CONN. @ FLOOR



6 CORNER CONNECTION @ FLOOR



7 STUB TUBE TO FLOOR FRAME



8 TUBE PLATE WELDMENT

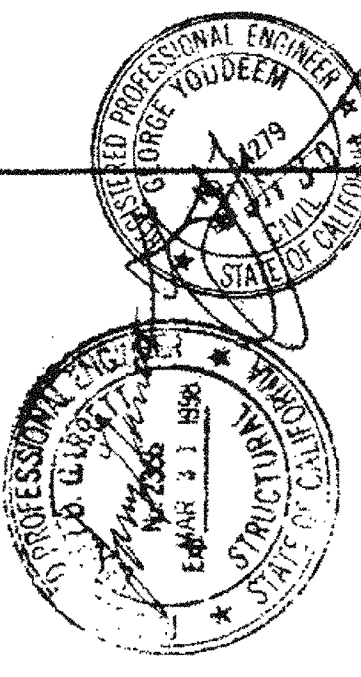
KEYNOTES

NOTES

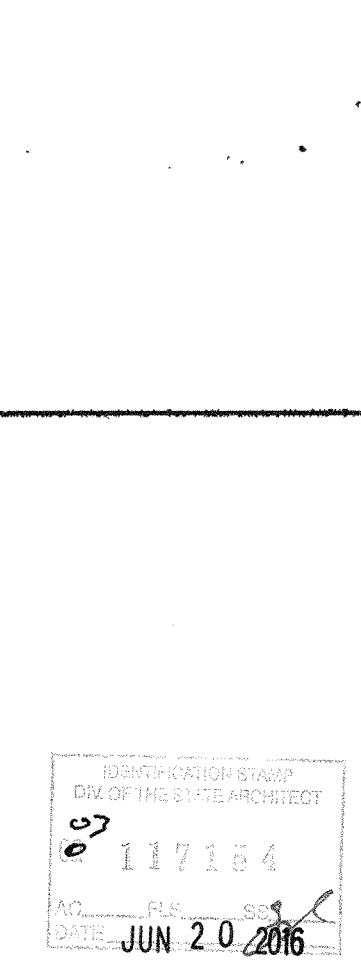
- [7"x 9.8 lb PERIMETER FLOOR FRAME
- [18 X 23 X 18 X 3 1/2 X 10 GA.
- [18 X 3 1/2 12 GA. HEADER
- 3 1/2"x 3 1/2"x 3/16" TUBE STEEL COLUMN ON ALL DETAILS OF NOTES
- 1/4" x FULL HEIGHT STIFFENER IN CHANNEL AT PURLIN LOCATION, SEE SHEET S-5
- 5/8" MACHINE BOLT @ MODULE CONNECTION LOCATIONS AT 8 FT. O.C. AT ROOF AND 10 FT. O.C. AT FLOOR (TYPE 1)
- 1/4" PLATE FILLED INSIDE TUBE COLUMN AND WELD IN PLACE
- 3/8" CAP PLATE FITTED INSIDE TUBE COLUMN AND WELD IN PLACE
- 4 X 3 X 3/8" AT PERIMETER ROOF OVERHANG

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 PHONE: (800) 768-3038 FAX: (800) 768-1883

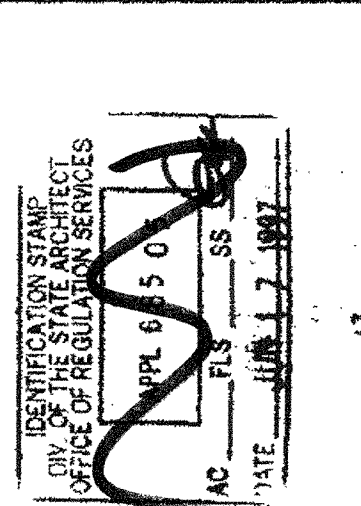


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 1706 VON KARMAN, SUITE # 108
 IRVINE, CA 92714
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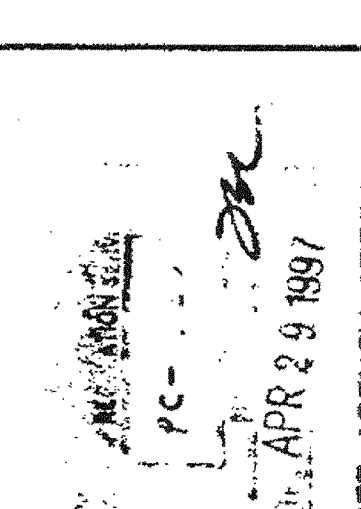


PROJECT
 24'x40', 36'x40', & 48'x40'
 MODULAR CLASSROOM BUILDING

TITLE
 DOUBLE SLOPE COLD ROLLED/
 TRUSS RIGID FRAME



JOB # 96-1310
DATE 4/1/97
DRAWN BY MDT
SCALE NONE
APPROVED

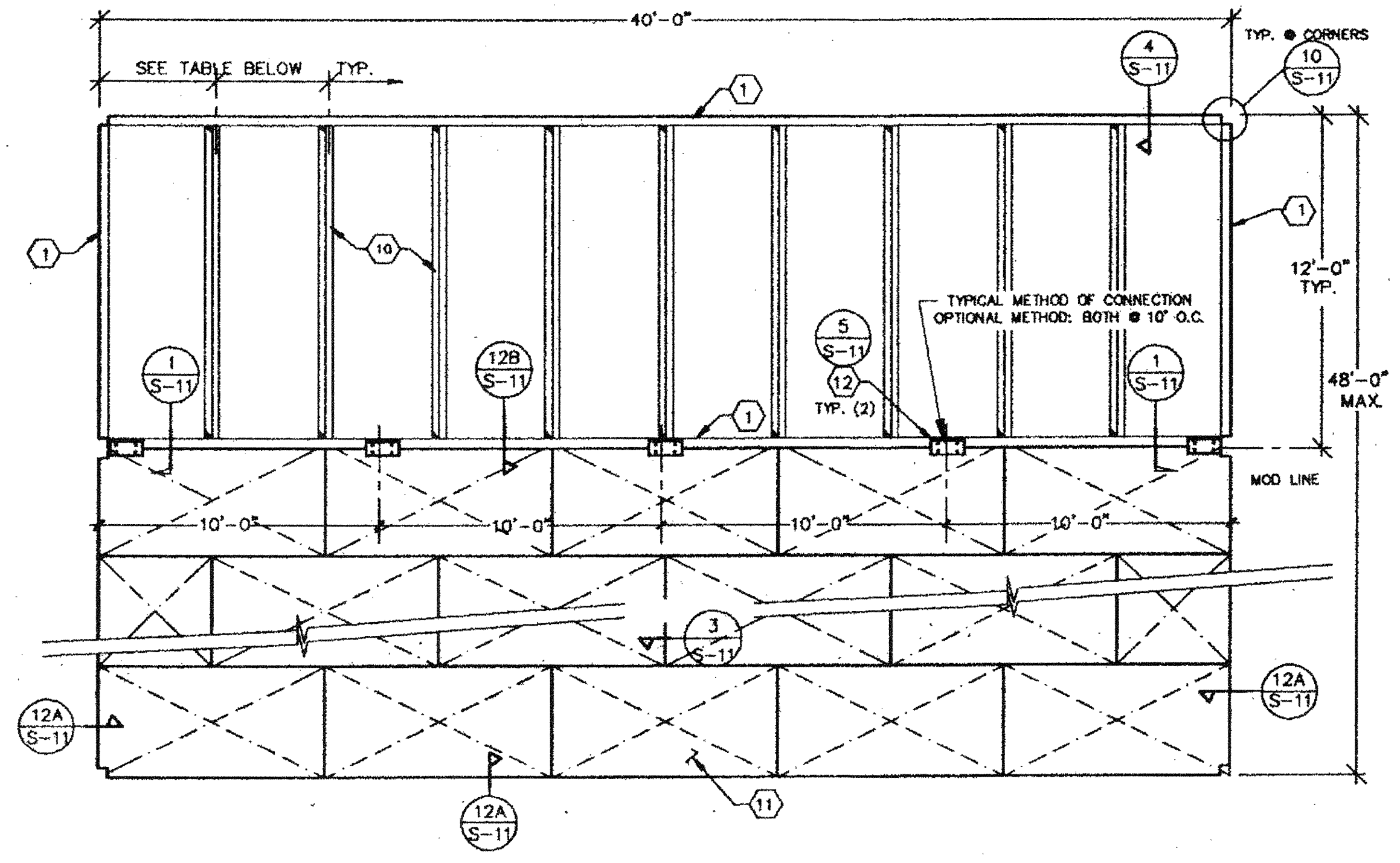


REVISIONS
 4/25/97 MSI REV.

APPROVED

PLOT DATE: 04/28/97
SHEET NO.

S-5A



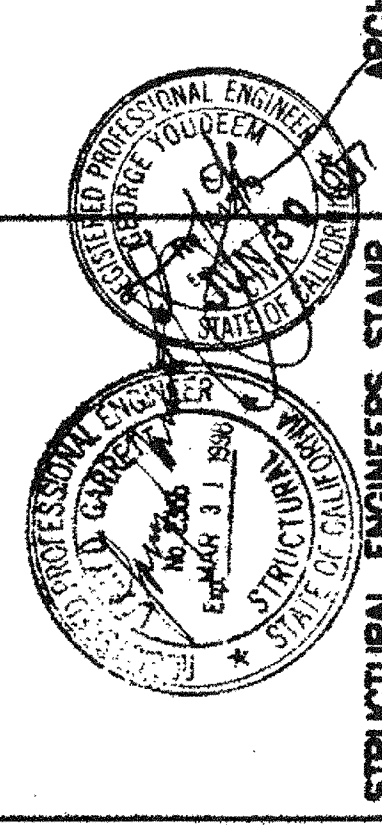
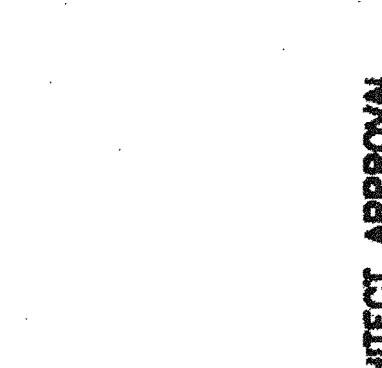
FLOOR FRAMING PLAN

TABLE 1

FLOOR LOAD	JOIST SPACING
50 PSF	48" O.C.
50 + 20 PSF	32" O.C.
100 PSF	24" O.C.
50 PSF + 20 PSF OR 2000 LBS	16" O.C.

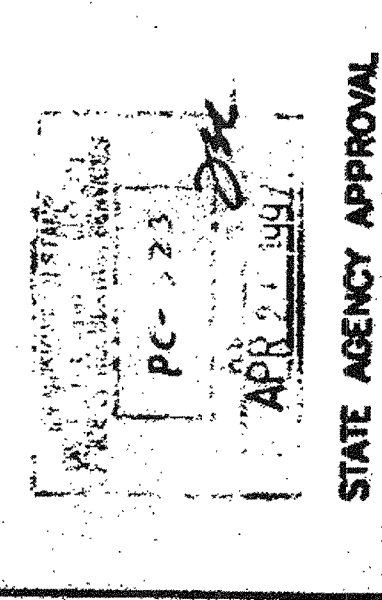
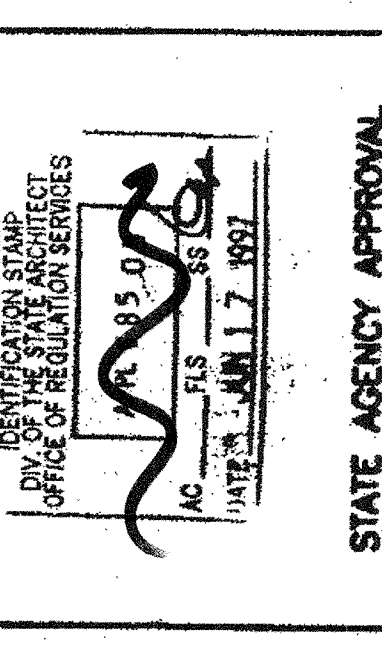
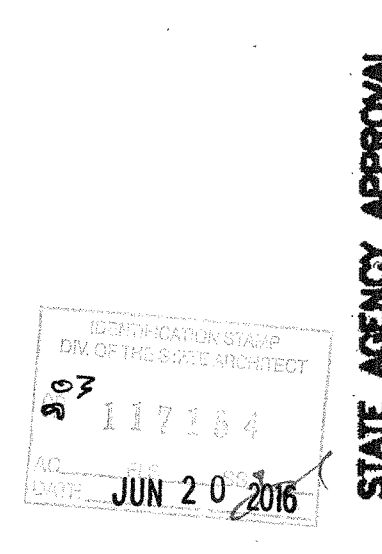
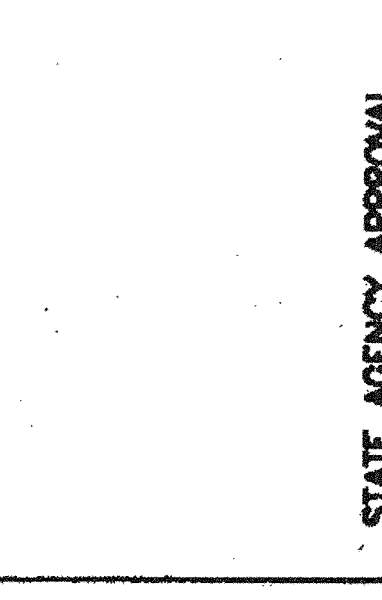
- NOTES**
- [7" x 9.8 lb STEEL CHANNEL PERIMETER FRAME
 - Z 7" x 1.5 W X 1" LIP X 11 GADE STEEL FLOOR JOIST
 - FLOOR SHEATHING- 1-1/8" APA RATED STURO-I-FLOOR OR EQUAL, P.S. 1-83 T & G EDGES, 48" SPAN RATING, ATTACH TO STEEL FRAMING WITH .170/.192 PIN AT 10" O.C. FIELD AND BOUNDARY 6" O.C. OR #10-24 X 1 3/4 SELF TAP SCREW @ 6" O.C. BOUNDARY & EDGES AND 10" O.C. FIELD.
 - 6" x 14" x 12 Ga. PLATE WITH (6) #10-34 X 1 3/4 X 2-1/2" FLAT HEAD SELF TAP SCREWS INTO STEEL CHANNEL FLOOR FRAME (TYPE II)

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 880 Orange Ave. Redwood, California 94067
 Phone: (415) 768-3035 Fax: (415) 768-1833

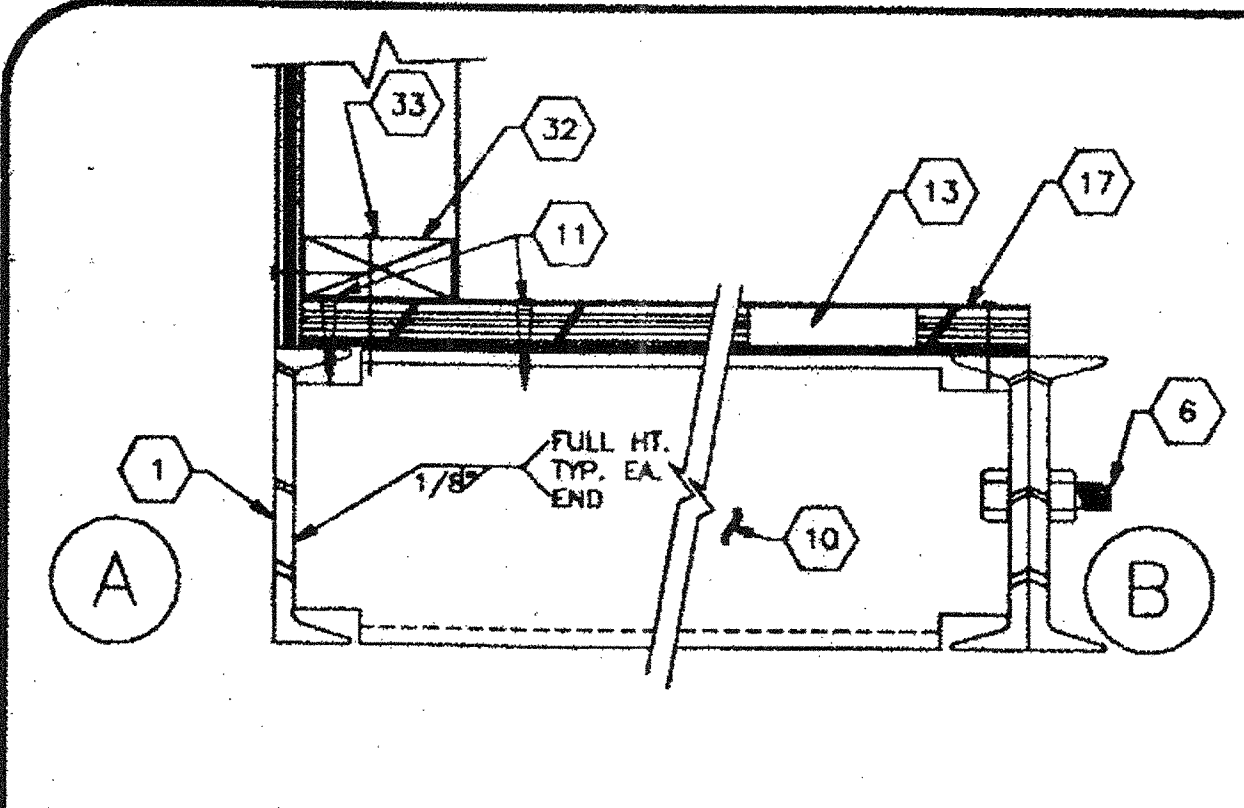
REGENCY ENGINEERING & CONSULTING GROUP
 1000 W. 10th St., Suite # 108
 Irvine, CA 92614
 Telephone: (714) 263-3789
 Fax: (714) 263-3795
 A SUBSIDIARY OF REGENCY COMPANY, INC.



STATE AGENCY APPROVAL
 PROJECT
 24' X 40', 36' X 40', & 48' X 40'
 MODULAR CLASSROOM BUILDING
 TITLE
 FLOOR CONSTRUCTION

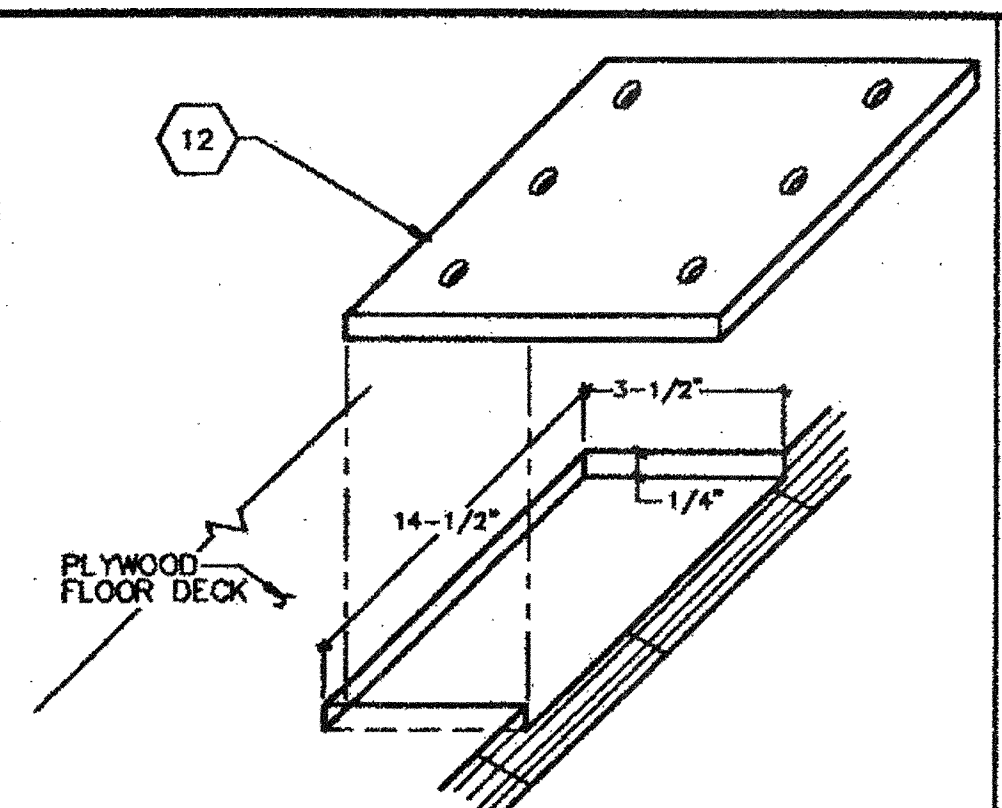
JOB # 96-1310
 DATE 12/9/96
 DRAWN BY B.N.
 SCALE NONE
 APPROVED

REVISIONS
 A 2/4/97
 B 4/1/97 B.Q.
 C 4/25/97 MSI REV.
 PLOT DATE: 04/28/97
 SHEET NO.
S-10



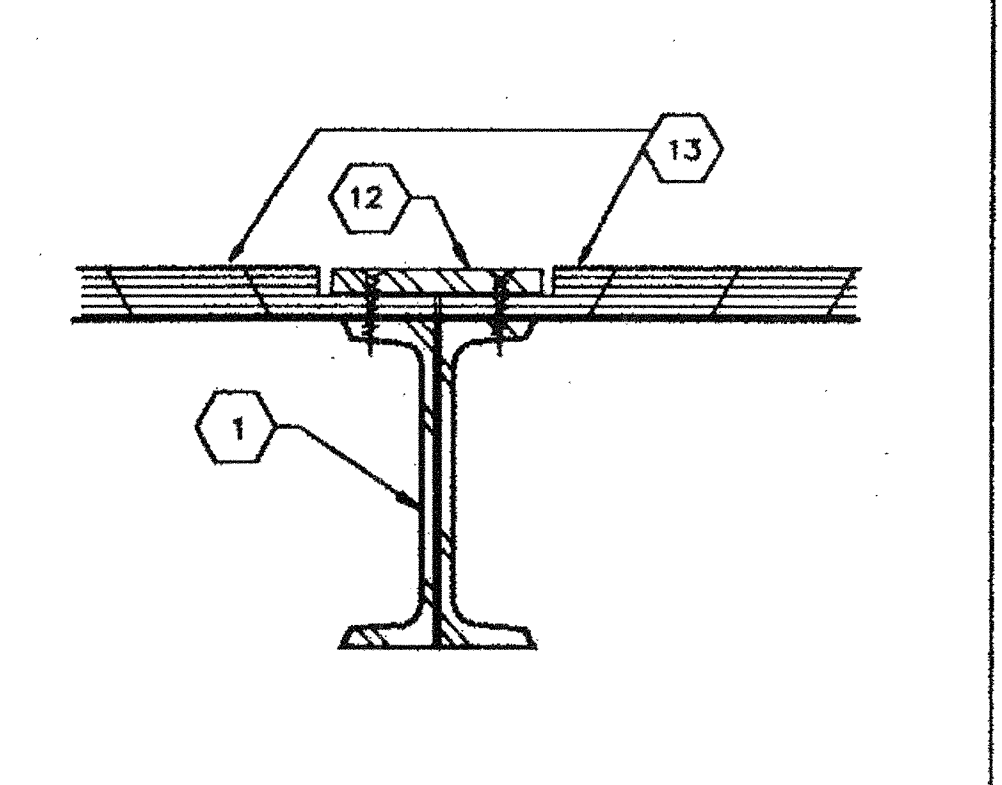
12 PERIMETER FLOOR

8

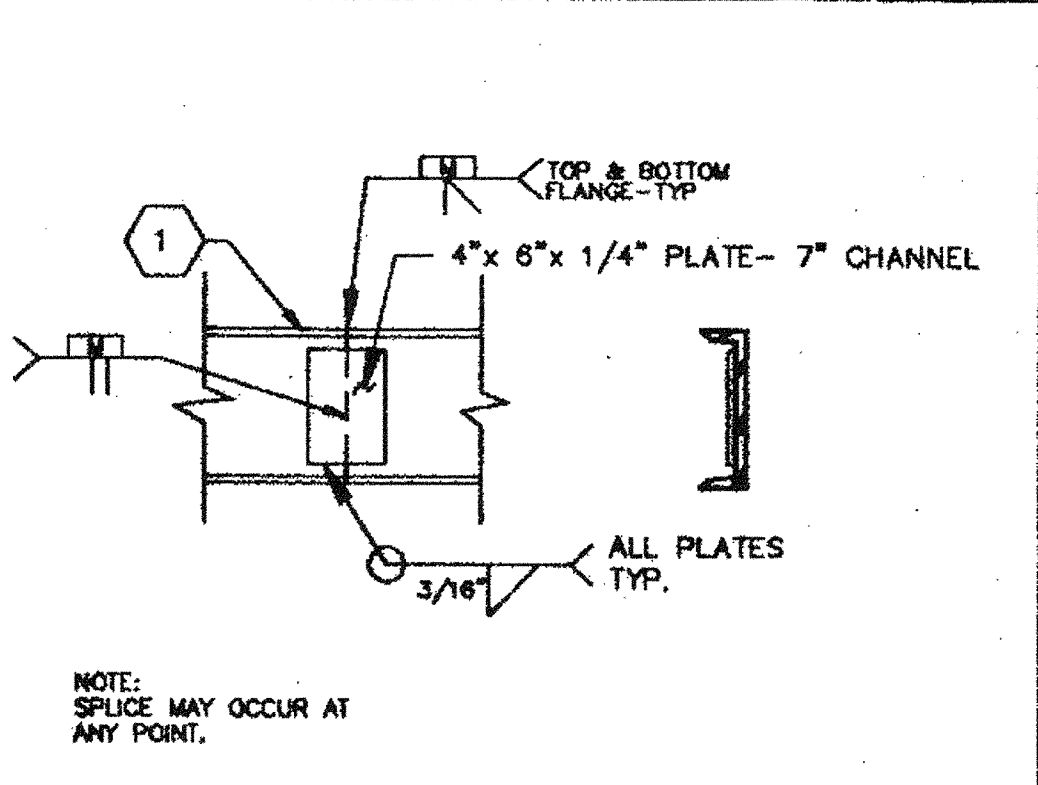


5 MOD LINE CONN. PLATE TYPE II

1 MOD CONN. @ FLR. TYPE I.



6 MOD CONN. @ FLR. TYPE II.



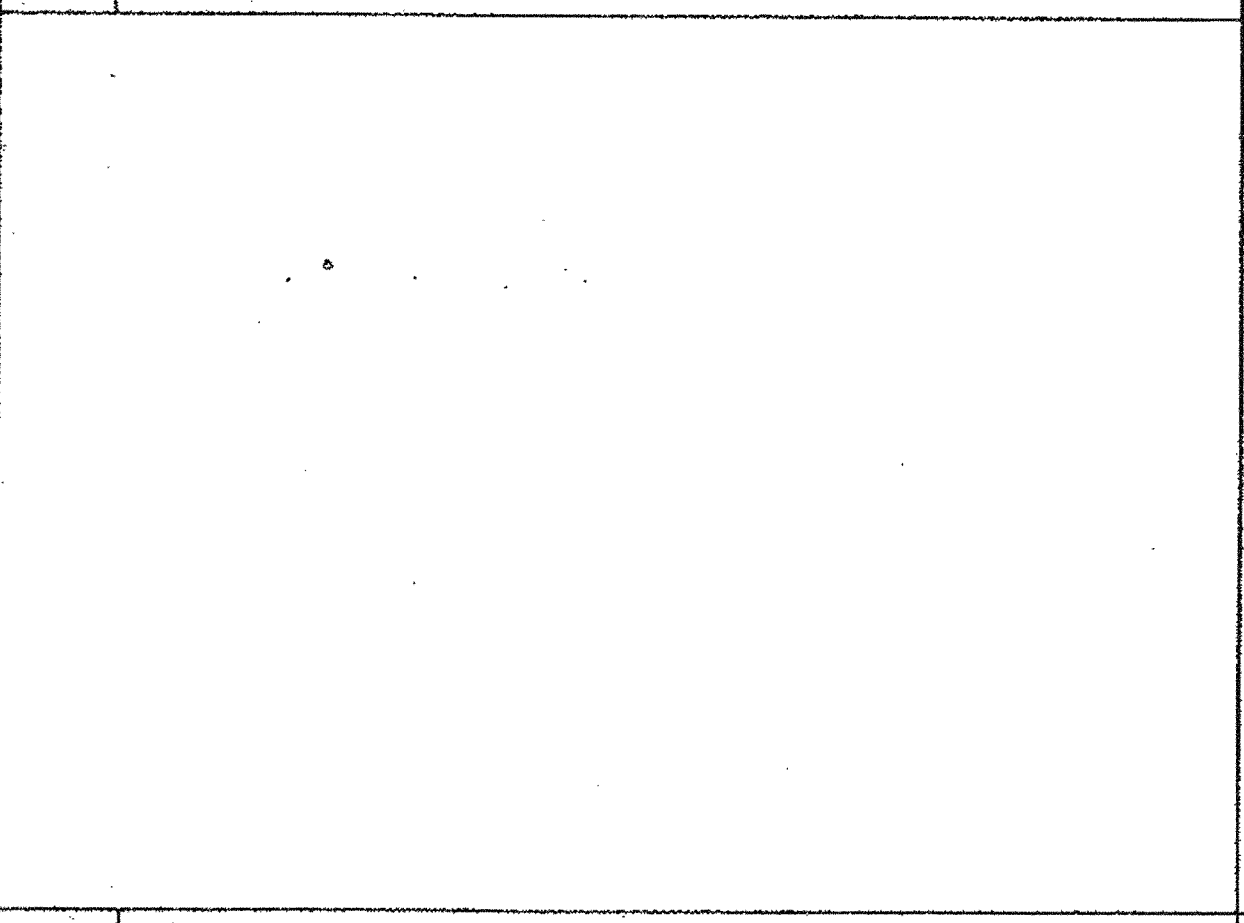
2 CHANNEL SPLICE

13

9

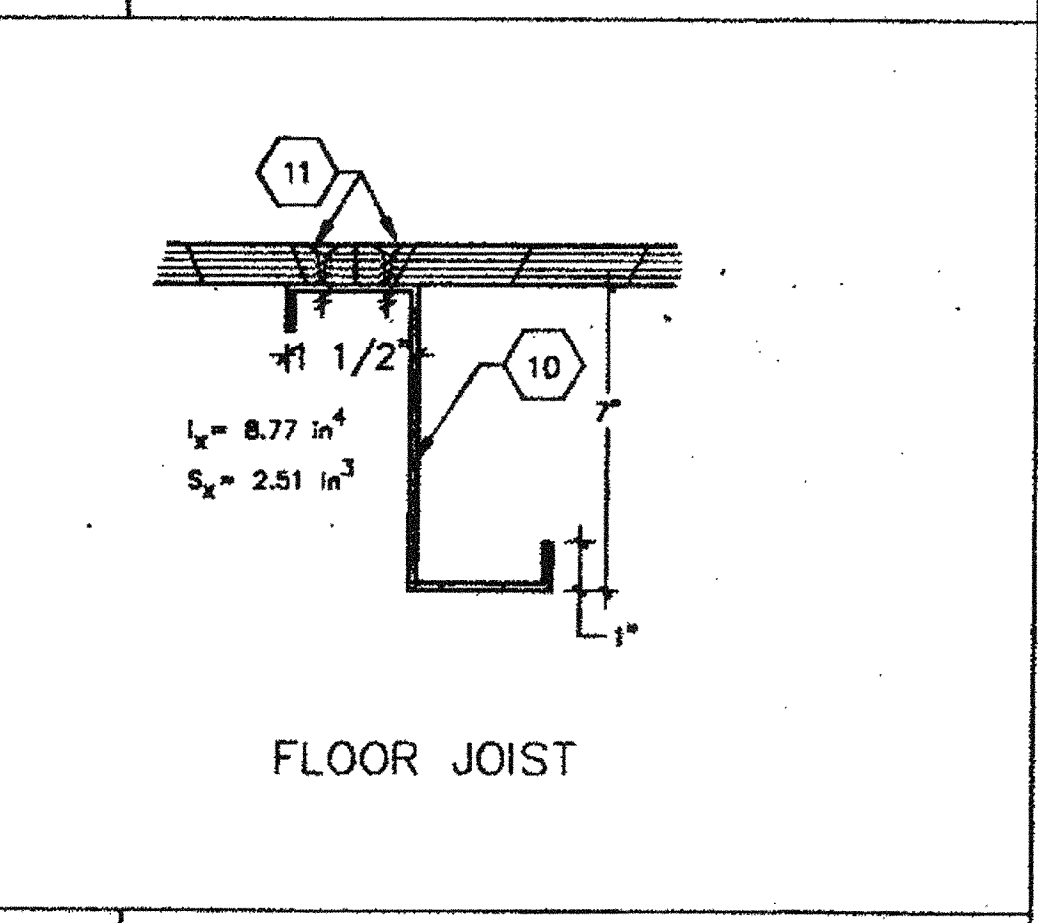
6 MOD CONN. @ FLR. TYPE II.

2 CHANNEL SPLICE

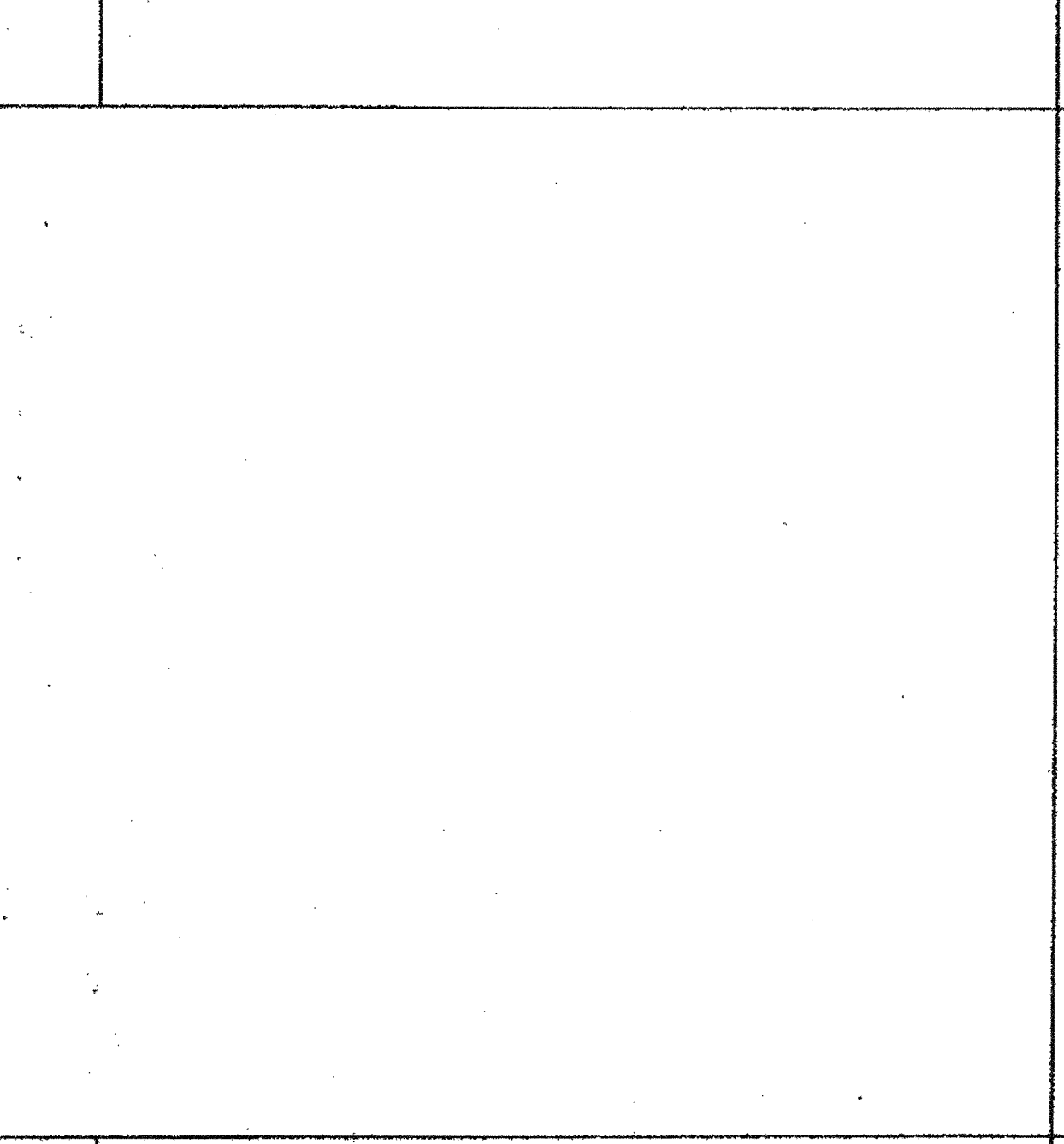


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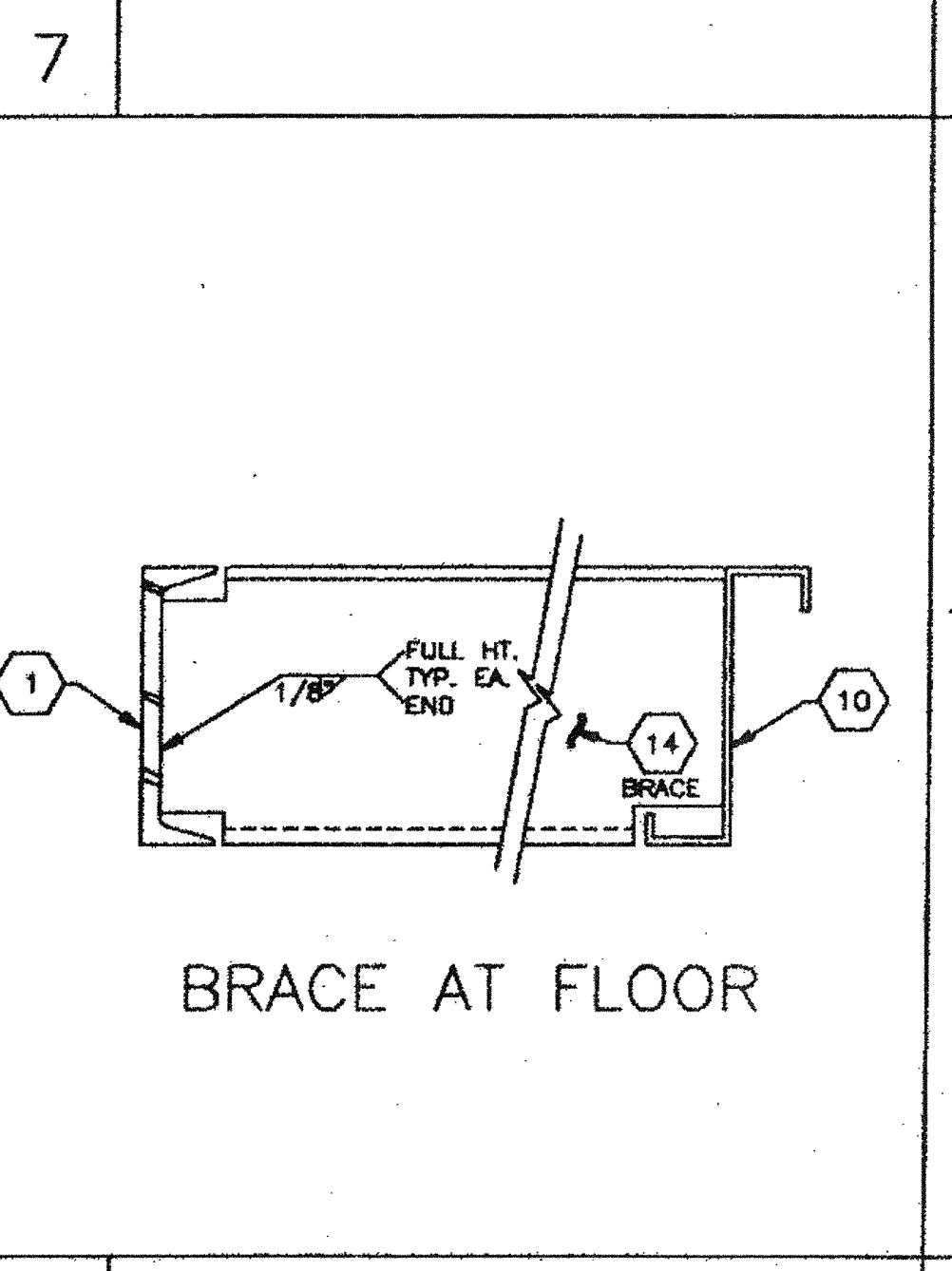
7 TYPICAL JOISTS



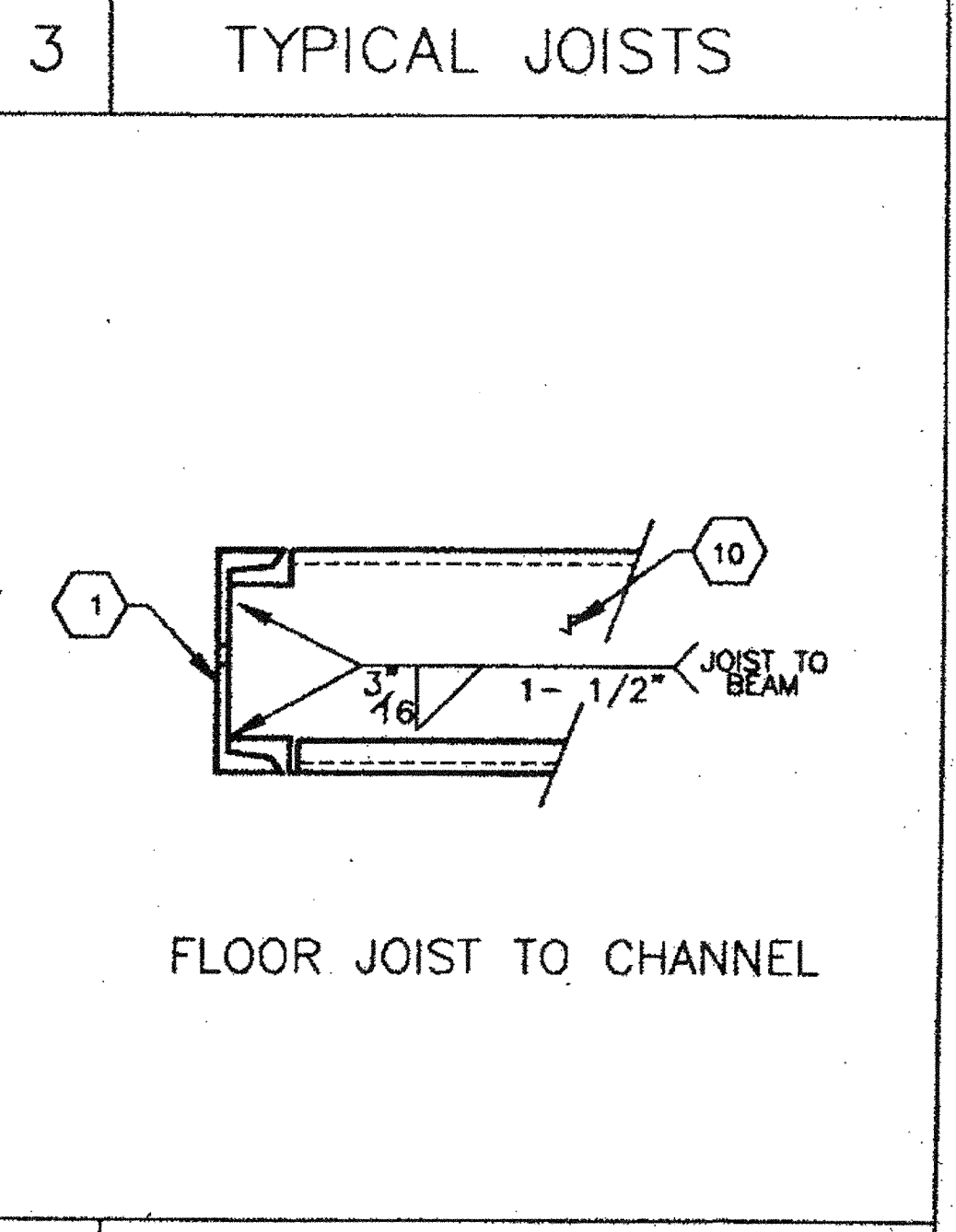
3 TYPICAL JOISTS



15 INSULATION @ FLOOR



11 BRACE AT FLOOR



4 FLOOR JOIST DETS.

- KEYNOTES
- [7"x 9.8 lb PERIMETER FLOOR FRAME
 - 5/8" MACHINE BOLT @ MODULE CONNECTION LOCATIONS AT 8 FT. O.C. AT ROOF AND 10 FT. O.C. AT FLOOR
 - 2 7" X 11 GA. FLOOR JOIST
 - FLOOR SHEATHING-- 1-1/8" APA RATED STURD-I-FLOOR OR EQUAL, P.S. 1-83 T & G EDGES, 48" SPAN RATING; ATTACH TO STEEL FRAMING WITH 170/192 PH OR #10-24 X 1 3/4 SELF TAP SCREW @ 8" O.C. BOUNDARY & EDGES AND 10" O.C. FIELD
 - 8" X 14" X 12 Gd. PLATE WITH (6) #10-34 X 1 3/4 X 2-1/2" FLAT HEAD SELF TAP SCREWS INTO STEEL CHANNEL FLOOR FRAME (TYPE II)
 - 5" DIA. HOLE AT BOLT LOCATION. (CONN. TYPE I)
 - 7" X 11 Gd. STEEL BRACE WELDED TO PERIMETER FRAME AND FLOOR JOIST.
 - N/A
 - N/A
 - AT MODULE JOINT TAKE PLYWOOD TO EDGE OF CHANNEL. AT PERIMETER, HOLD PLYWOOD BACK AS INDICATED.
 - R-11 INSULATION ON "SEAL TITE" TYPE HW POLYMAX UNDERBELLY OR EQUAL WITH BIDIRECTIONAL POLYESTER FIBERS.
 - 2X4 BOTTOM PLATE
 - .131 X 3 1/4# NAIL (8d NAIL) AT 8" O.C.

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MSI
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1800 OTTAWA AVE. WESTPORT, CALIFORNIA 94007
PHONE: (408) 748-3038 FAX: (408) 748-1833

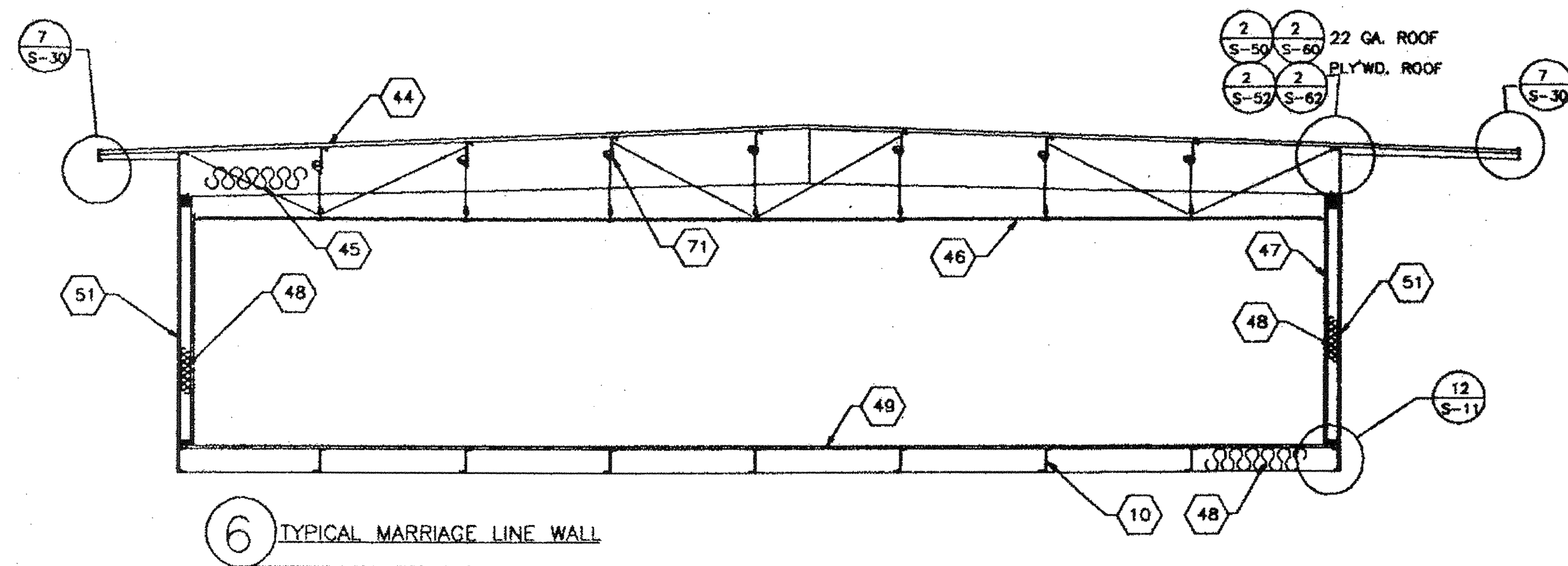
REGENCY ENGINEERING & CONSULTING GROUP
17186 VON KARMAN, SUITE # 108
IRVINE, CALIFORNIA 92614
TELEPHONE: (714) 983-3799
FAX: (714) 983-3795
A SUBSIDIARY OF REGENCY COMPANY, INC.

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

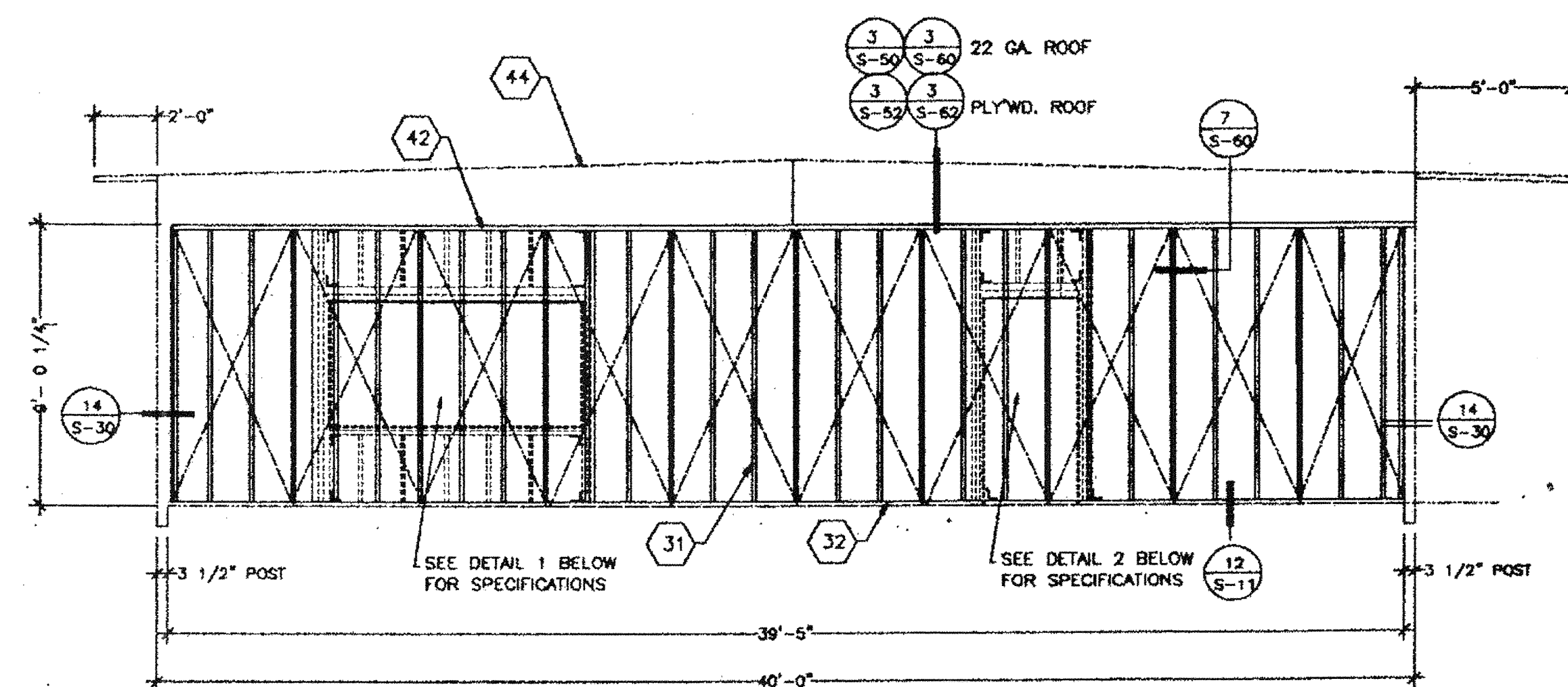
TITLE
FLOOR CONSTRUCTION DETAILS

JOB # 96-1310
DATE 12/9/96
DRAWN BY B.N.
SCALE NONE
APPROVED

REVISIONS
▲ 2/4/97
▲ 4/25/97 MSI REV.
PLOT DATE: 04/28/97
SHEET NO.
S-11

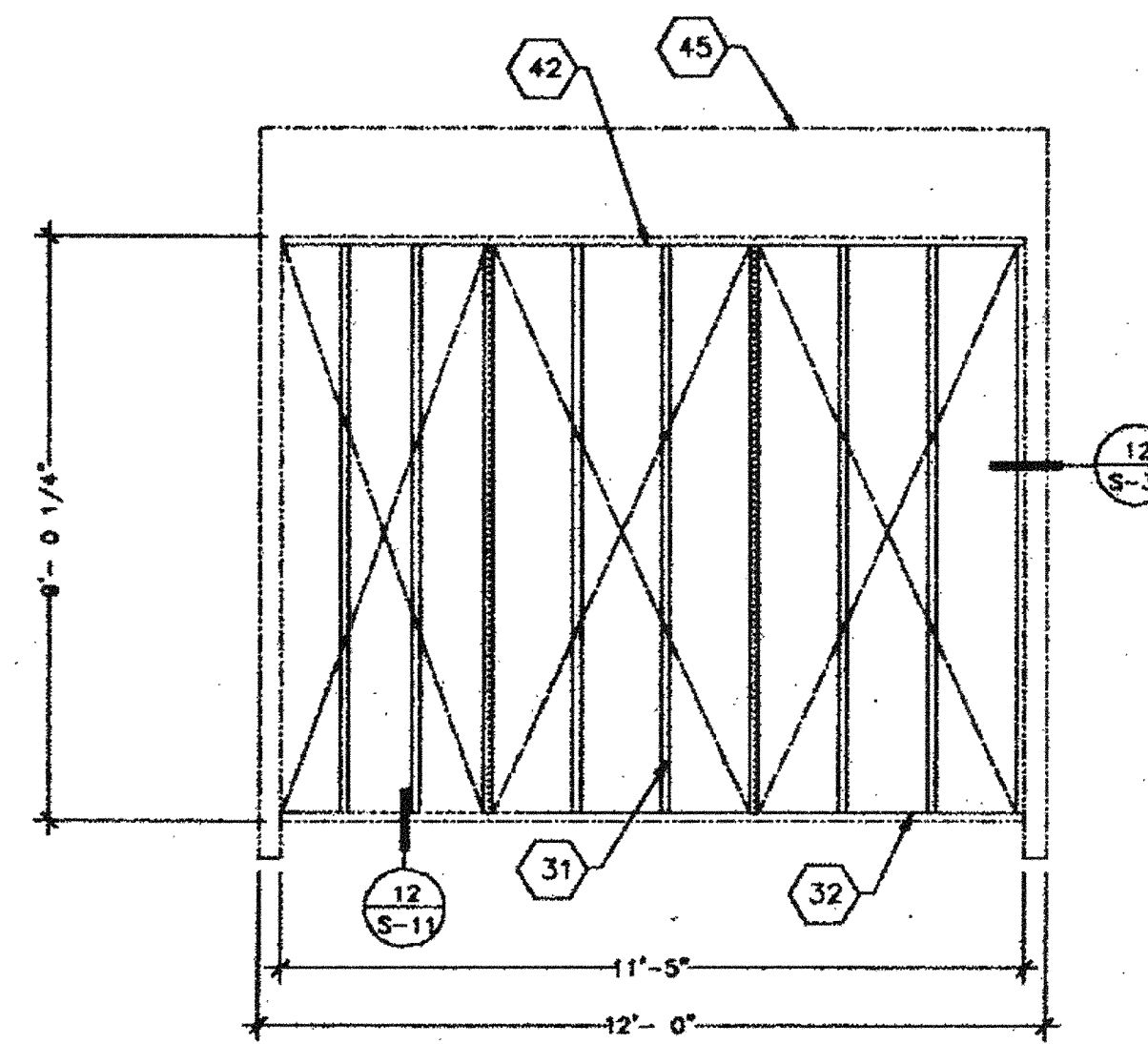


6 TYPICAL MARRIAGE LINE WALL

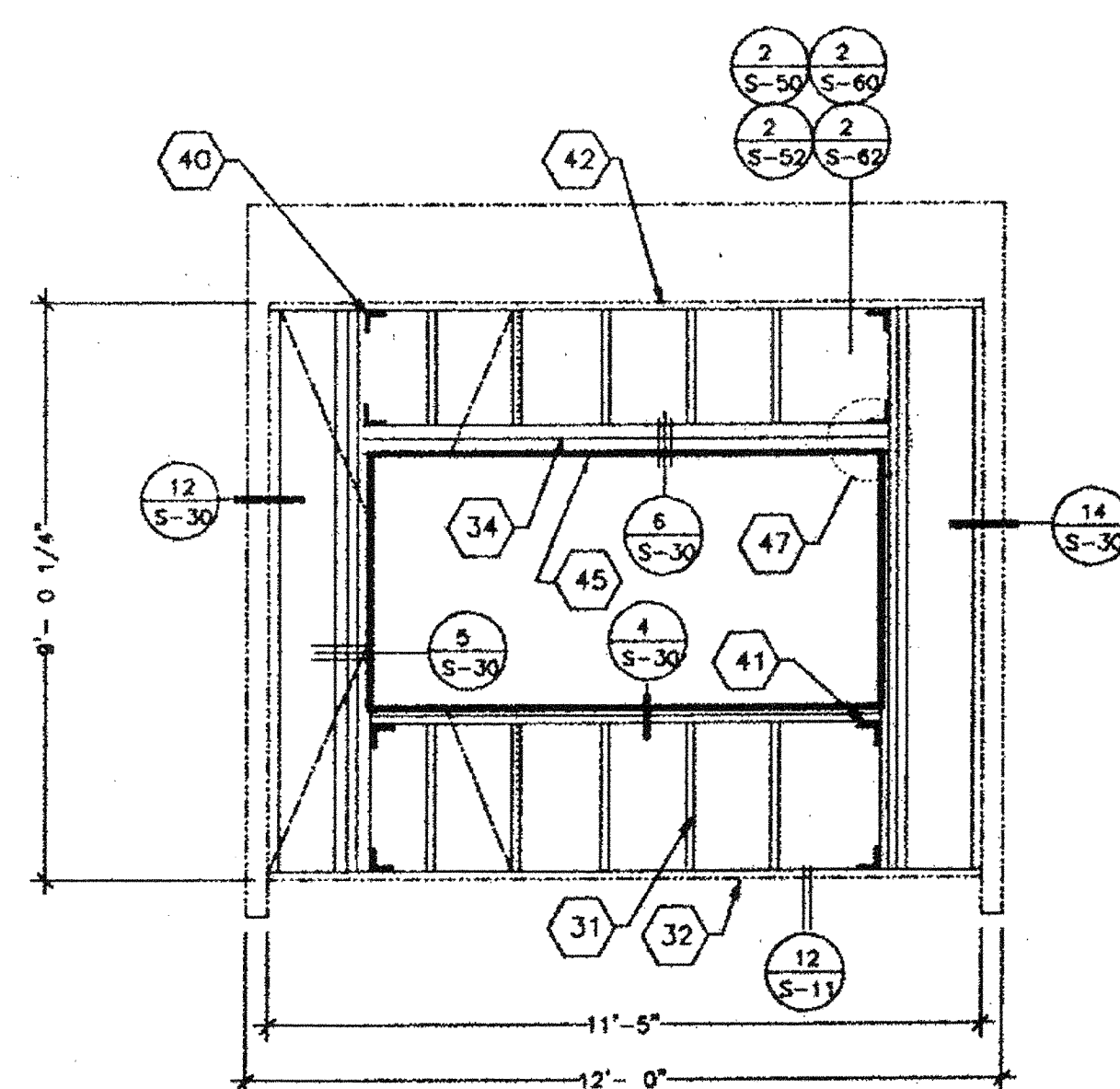


4 TYPICAL SIDEWALL

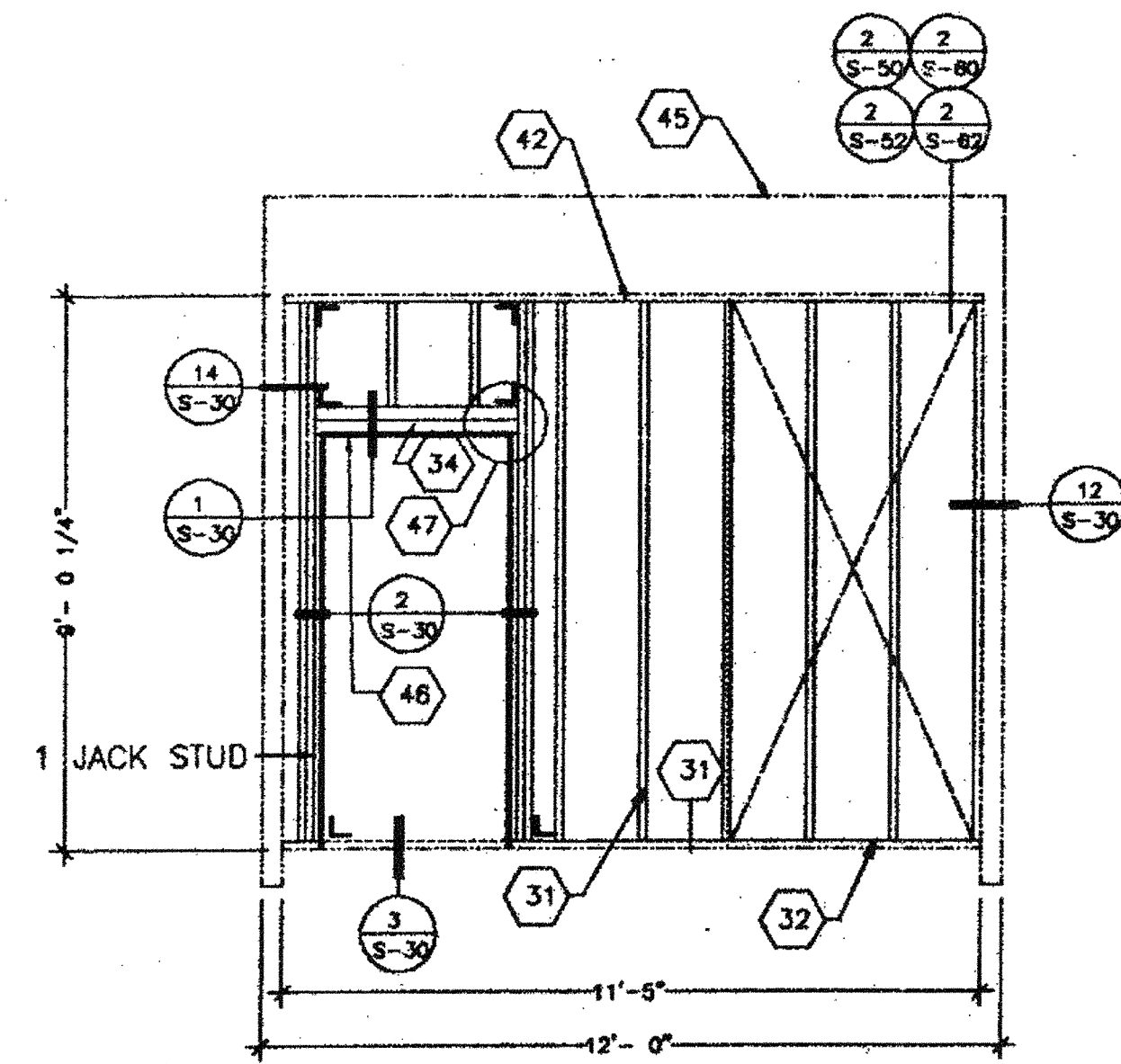
NOTE:
DOORS AND WINDOWS MAY BE INSTALLED
IN SIDEWALL AT ANY POINT IN ANY
COMBINATION.



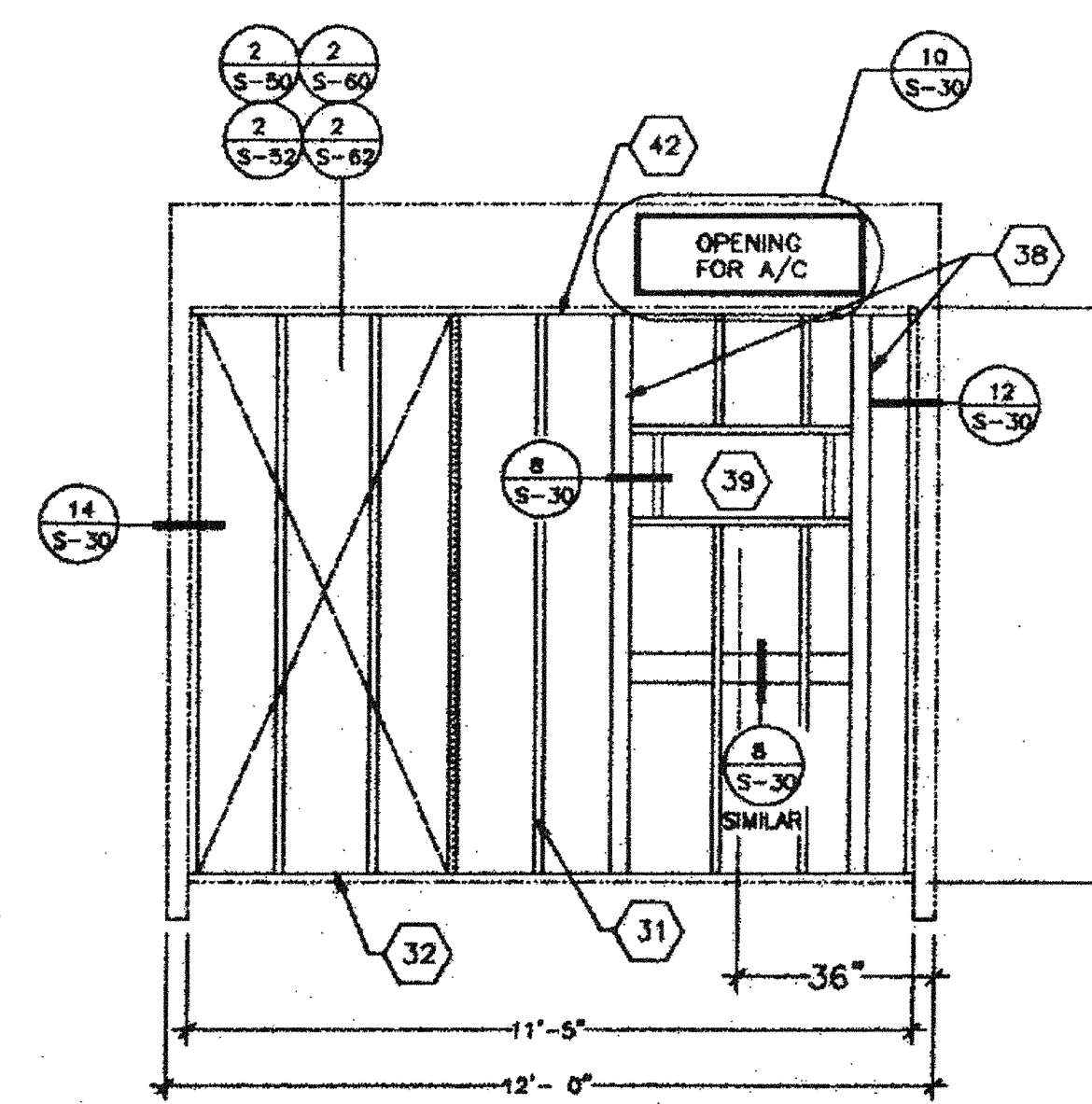
5 TYPICAL BLANK WALL



1 TYPICAL ENDWALL WITH WINDOW



2 TYPICAL ENDWALL WITH DOOR

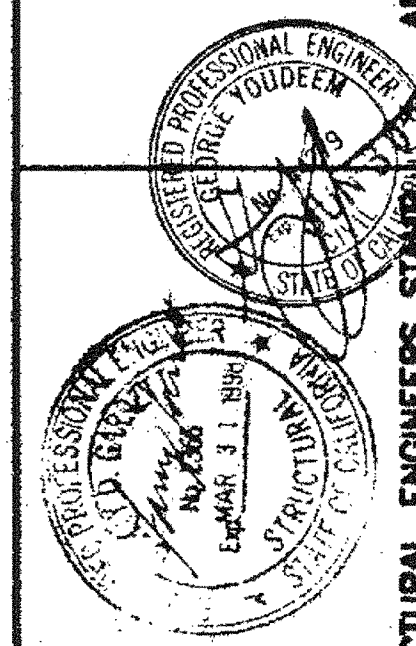


3 TYPICAL ENDWALL WITH A/C

KEYNOTES

- 10 STEEL FLOOR JOIST- SEE SHEET S-11
- 31 STUDS- 2x4 H.F. STUD GRADE @ 16" O.C.
- 32 TOP AND BOTTOM PLATE- 2x4 H.F. STD & BETTER.
- 34 WINDOW HEADER- (2) 2x4 H.F. #2 FLAT.
- 35 FRAME FOR 8'-0"x 4'-0" WINDOW: USE (3) FULL HEIGHT HEM FIR 2x4 STUDS WITH (1) 2x4 TRIMMER BOTH SIDES AND (2) 2x4 FLAT FOR WINDOW SILL.
- 36 FRAME FOR 3'-0"x 6'-8" OR 7'-0" DOOR. USE (2) FULL HEIGHT 2x4 JAMB STUDS WITH (1) 2x4 TRIMMER BOTH SIDES, & (2) 2x4 FOR HEADER.
- 37 NAIL THRU VERTICAL STUD INTO HORIZONTAL HEAD OR SILL WITH MIN. (4) .131 X 3 1/4" NAILS PER CONNECTION. TYPICAL AT CORNERS OF ALL OPENINGS.
- 38 4x4 H.F. #2 POST
- 39 SEE SHEET G-1 FOR A/C SIZE AND TONAGE.
- 40 TYPICAL 'SIMPSON' A35 CLIPS (4) PLACES TO TOP AND BOTTOM PLATES.
- 41 TYPICAL 'SIMPSON' A35 CLIPS (4) PLACES TO WINDOW SILL AND HEADER OR (2) PLACES TO DOOR HEADER.
- 42 2x4 PLATE- H.F. STD,GRD,OR BETTER.
- 43 FIRE BLOCKING. SEE SECTION 708 OF 1994 C.B.C.
- 44 ROOF SHEATHING. SEE ROOF SECTION
- 45 R-19 FIBERGLASS INSULATION.
- 46 SUSPENDED CEILING
- 47 TYPICAL INTERIOR FINISH- SEE SHEET G-1
- 48 R-11 FIBERGLASS INSULATION.
- 49 PLYWOOD FLOOR SHEATHING- SEE SHEET S-11
- 51 PLYWOOD SIDING/SHEATHING- SEE SHEET G-1 FOR MATERIAL. NAIL SIDING WITH CORROSION RESISTANT 8d NAILS @ 8" BOUNDARY & EDGES, 12" FIELD.
- 71 STEEL ROOF JOIST- SEE SHEET S-40

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MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
1800 CHINA AVE. - SUITE 108
IRVINE, CA 92714
PHONE: (949) 768-3333 FAX: (949) 768-1033

REGENCY ENGINEERING & CONSULTING GROUP
IRVINE, CA 92714
TELEPHONE: (714) 965-8789
FAX: (714) 268-3795
A SUBSIDIARY OF REGENCY COMPANY, INC.

STATE AGENCY APPROVAL

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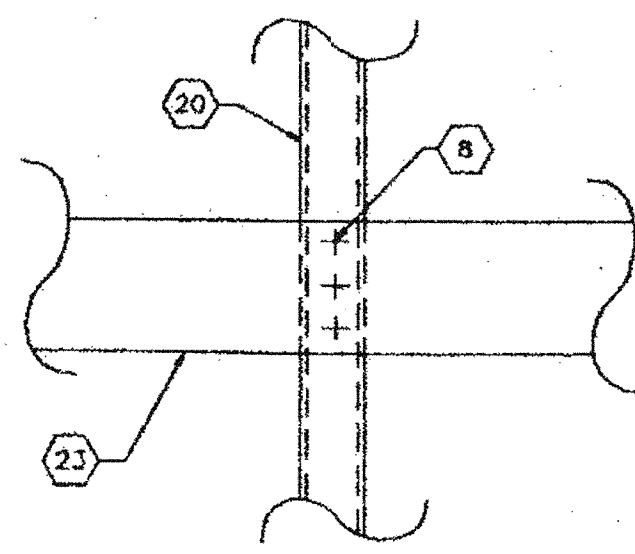
STATE AGENCY APPROVAL

PROJECT
24'X40', 36'X40' & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
TYPICAL EXTERIOR WALL
CONSTRUCTION FOR SINGLE
OR DOUBLE ROOF PITCH.

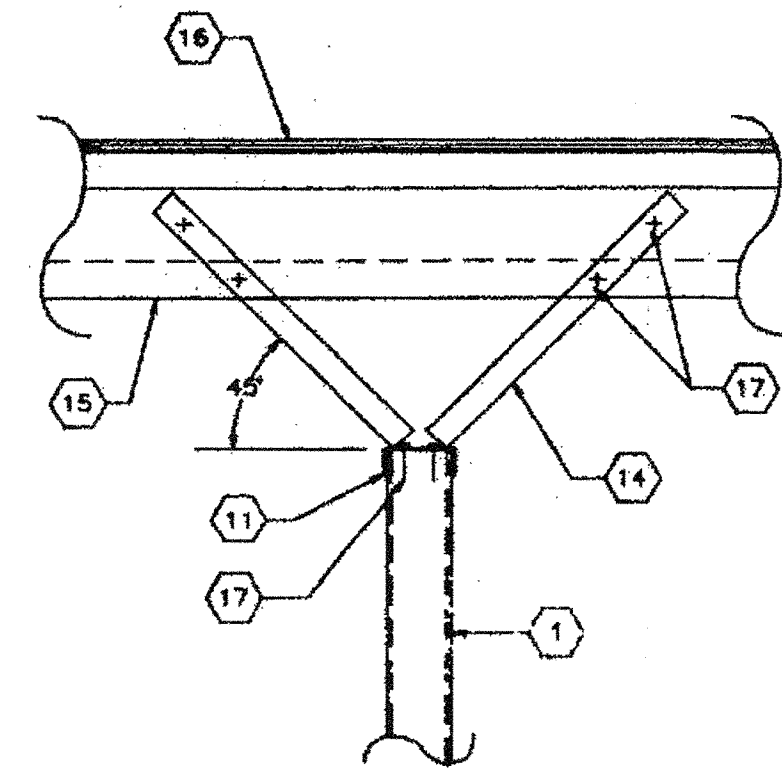
JOB # 96-1310
DATE 12/9/96
DRAWN BY B.N.
SCALE NONE
APPROVED
REVISIONS
Δ 2/4/97
Δ 4/15/97 MDT
Δ 4/25/97 MSI REV.

PLOT DATE: 04/28/97
SHEET NO.
S-20



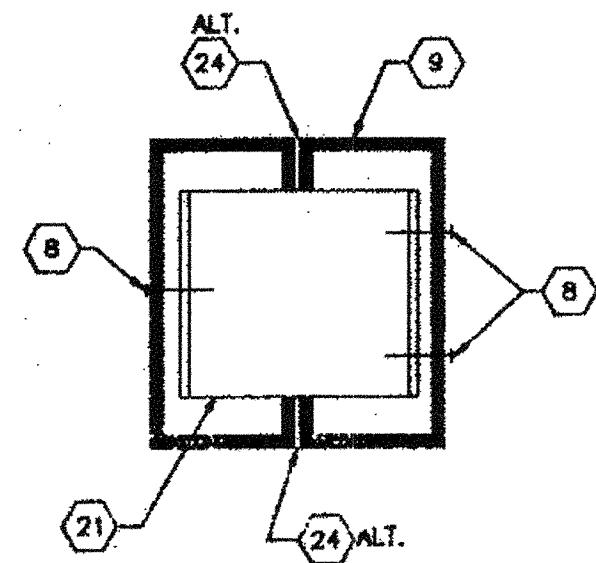
TYP. STRAP TO STUD

13



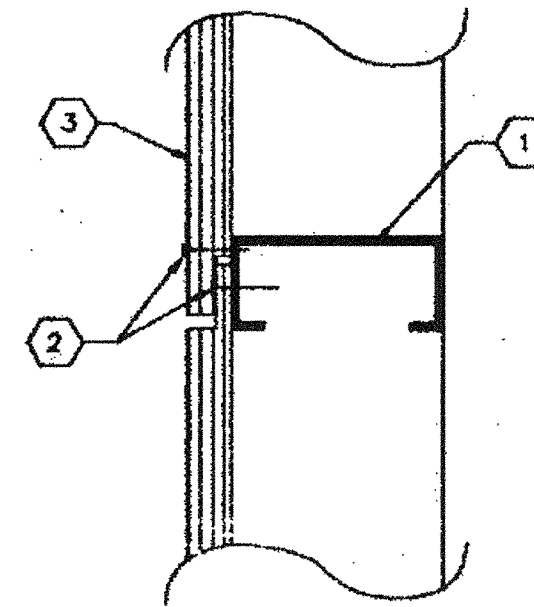
PARTITION CONNECTION PERPENDICULAR

9



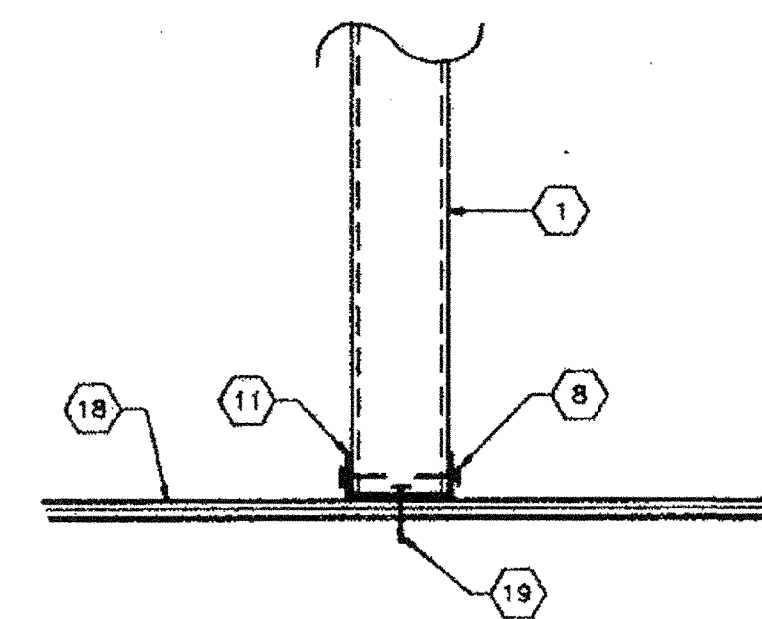
TYP. JAMB STUD CONNECTION

5



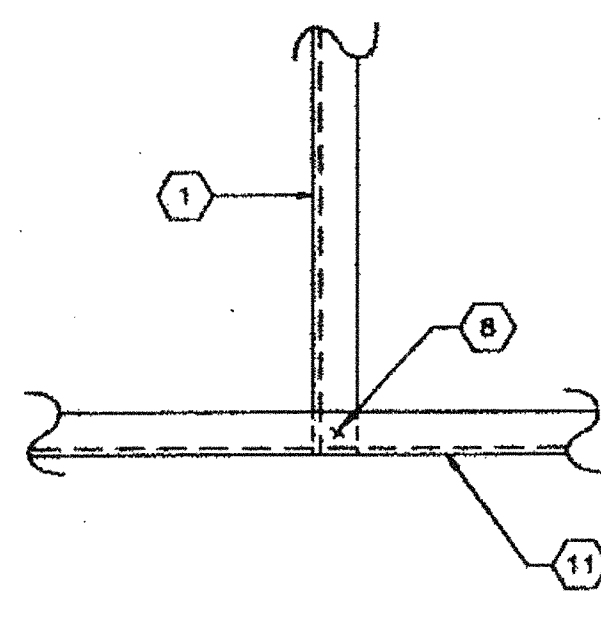
VERTICAL PLYWOOD EDGES

1



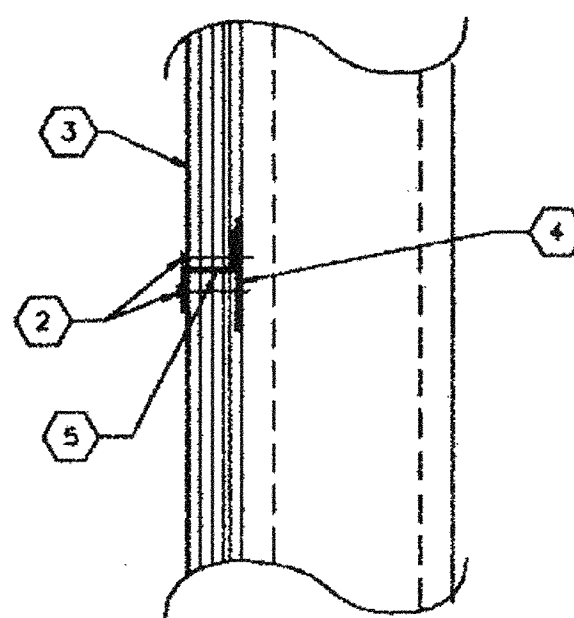
PARTITION CONNECTION TO SILL

10



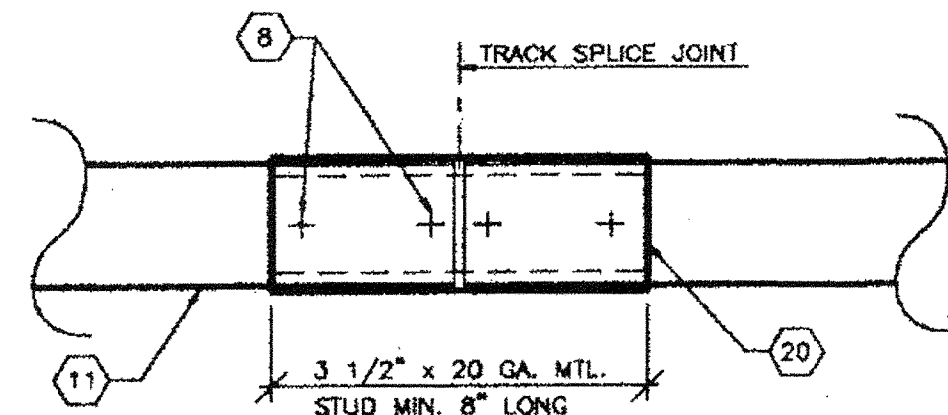
TYP. STUD TO TRACK CONNECTION

6



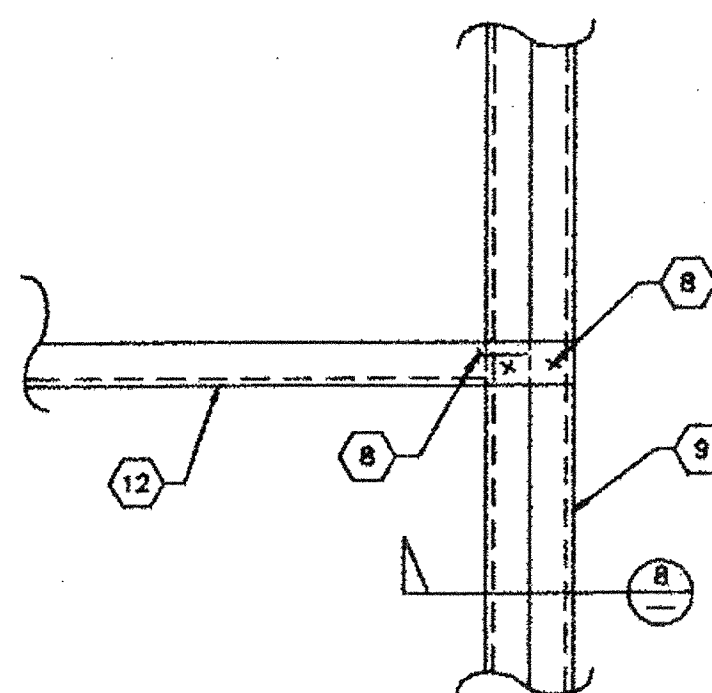
HORIZONTAL PLYWOOD EDGES

2



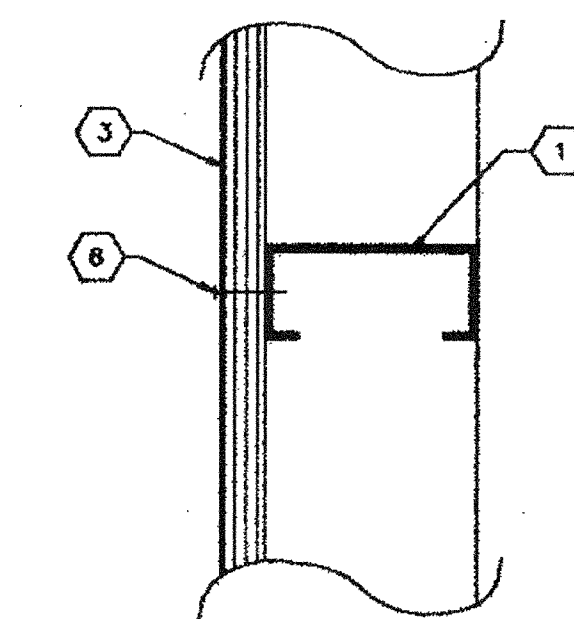
DETAIL

14



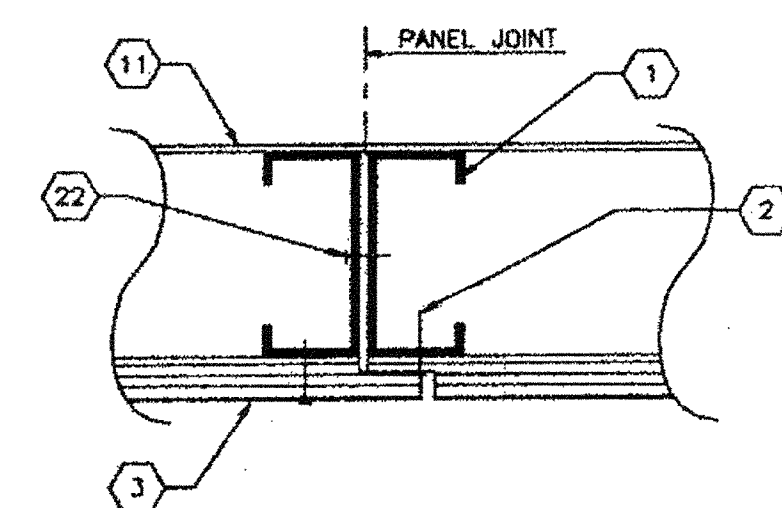
TYP. STUD TO TRACK CONNECTION

7



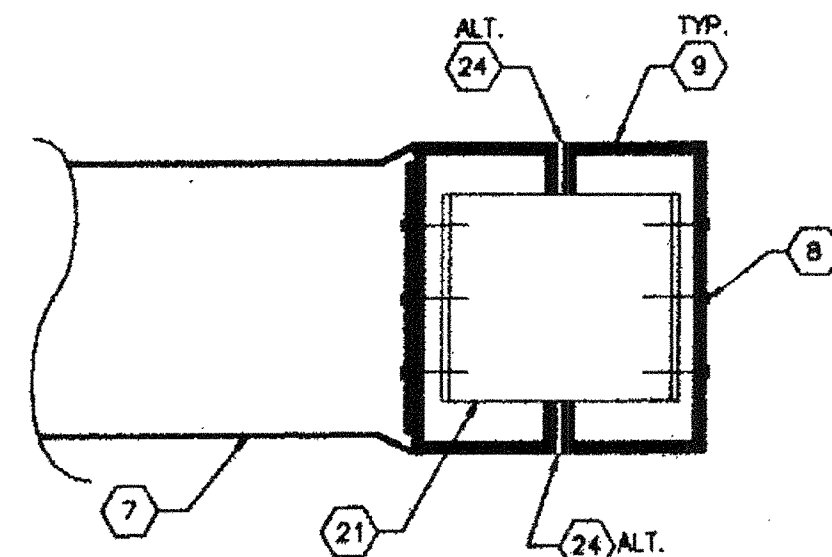
HORIZONTAL PLYWOOD EDGES

3



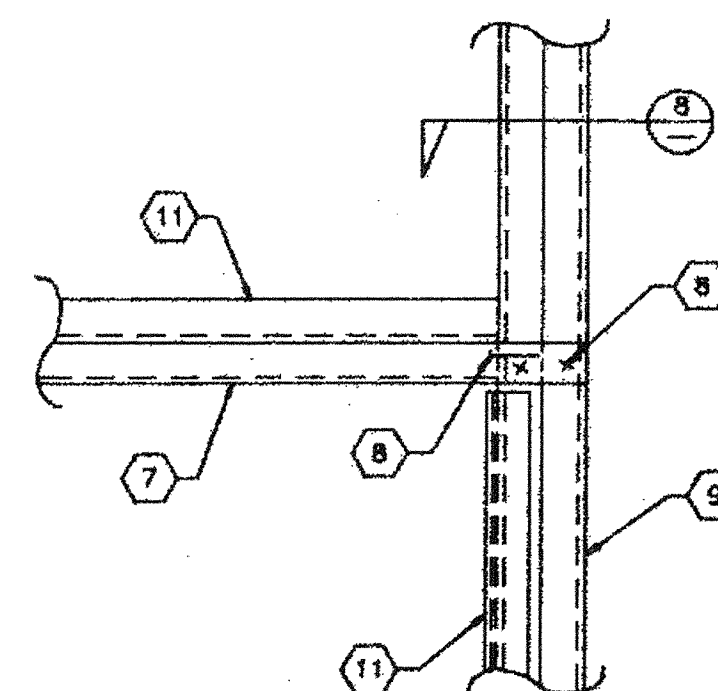
DETAIL

15



TYP. HEADER TO JAMB & SILL TO JAMB

8



SECTION AT STUD

4

DETAIL

16

WALL PANEL JOINT

12

SECTION AT JAMB / HDR. CONNECTION

8

HEADER DETAIL

4

- NOTES:
- A. EXTERIOR PLYWOOD ATTACHED TO STUDS W/ CORROSION RESISTANT SCREWS.
 - B. PROVIDE MOISTURE BARRIER BEHIND SIDING.

KEYNOTES

1. 3 1/2" x 20 GA. METAL STUD AT 16" O.C. MAX.
2. #8 STSMS EN AT 6" O.C. MAX.
3. EXTERIOR FINISH (SEE FINISH SCHEDULE).
4. 20 GA. x 2 1/2" CONTINUOUS STRAP.
5. 28 GA. S.N. "Z" FLASHING.
6. #8 STSMS FM AT 12" O.C. MAX.
7. HEADER (SEE OPENING SCHEDULE) COPE & BEND WEB FOR ATTACHMENT TO JAMB STUDS.
8. #6 STSMS WAFER HD.
9. JAMB STUD (SEE OPENING SCHEDULE FOR TYPE AND QUANTITY).
- 10.
11. 3 1/2" x 20 GA. TRACK.
12. 3 1/2" x 20 GA. TRACK AS HEADER OR SILL (SEE OPENING SCHEDULE) COPE AND BEND WEB FOR ATTACHMENT TO JAMB STUDS.
- 13.
14. 3 1/2" x 1 1/2" x 12 GA. AT 8" O.C. STAGGERED.
15. ROOF PURLIN (SEE STRUCTURAL ROOF FRAME).
16. PLYWOOD ROOF DECK.
17. #10 STSMS.
18. PLYWOOD SUB FLOOR.
19. 16d AT 8" O.C. MAX.
20. 3 1/2" x 20 GA. METAL STUD.
21. 20 GA. JAMB CLIP "L" AT 24" O.C. MAX.
22. #6 STSMS AT 24" O.C. MAX.
23. 20 GA. x 4" WIDE STRAP.
24. ALTERNATE WELDING 1" AT 18" O.C. IS AN ACCEPTABLE ALTERNATE TO BOXING AND SCREWING.

OPENING SCHEDULE				ROUGH OPENING	
OPENING	HEADER	SILL	JAMB	HEIGHT	WIDTH
3068/4068	1-3 1/2" x 20 GA. S	1-3 1/2" x 20 GA. S	2-3 1/2" x 20 GA. S	81 1/4"	38"
8040	2-3 1/2" x 20 GA. S	2-3 1/2" x 20 GA. S	2-3 1/2" x 20 GA. S	48 1/8"	96 1/8"

LIGHT GAUGE STEEL PROPERTIES				
MEMBER	TYPE	MAJOR AXIS		
		A	S _x	I _x
3 1/2 X 20 GA. S	STUD	0.251 IN ²	0.278 IN ⁴	0.487 IN ⁸
3 1/2 X 20 GA. T	TRACK	0.158 IN ²	0.123 IN ⁴	0.215 IN ⁸

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MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
 17105 W. VON KARMAN, SUITE # 106
 THERMISTONE, CALIFORNIA, 92587
 PHONE: (951) 768-3000 FAX: (951) 768-1003

REGENCY ENGINEERING & CONSULTING GROUP
 17105 W. VON KARMAN, SUITE # 106
 THERMISTONE, CALIFORNIA, 92587
 TELEPHONE: (714) 943-9708
 FAX: (714) 943-9705
 A SUBSIDIARY OF REGENCY COMPANY, INC.

PROJECT
 24'X40', 36'X40', & 48'X40'
 MODULAR CLASSROOM BUILDING

TITLE
 STEEL FRAMING DETAILS

JOB # 96-1310

DATE 12/9/96

DRAWN BY B.N.

SCALE NONE

APPROVED

REVISIONS

SHEET NO.
S-25

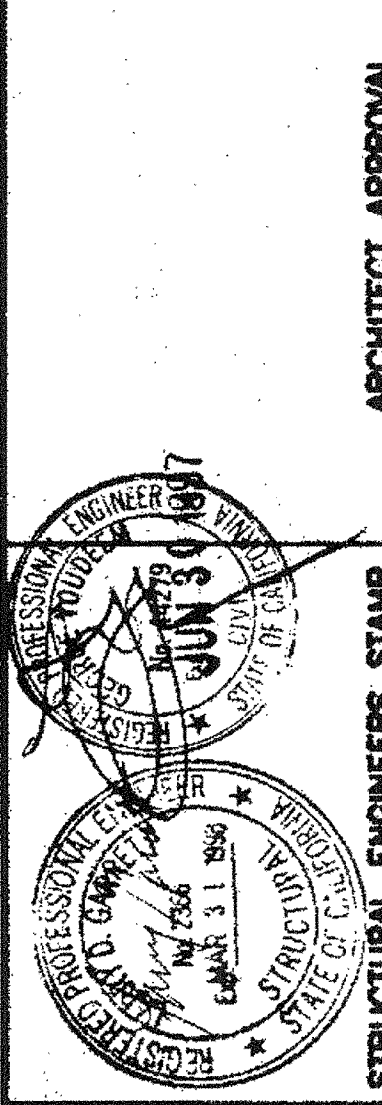
PC-323

DETAIL	13	DETAIL	9	WALL AT ROOF HEADER	5
DETAIL	14	DETAIL	10	HEADER / SILL WITH DOUBLE TRACK	6
DETAIL	15	DETAIL	11	JAMB STUDS AT COLUMN	7
DETAIL	16	DETAIL	12	WALL AT FLOOR	8

KEYNOTES

1. 3 1/2" x 20 GA. METAL STUD.
2. 3 1/2" x 20 GA. TRACK.
3. STEEL TUBE COLUMN.
4. SHOP FORMED SPACER.
5. #10 STSMS WAFFER HD. AT 24" O.C.
6. AEROSMITH AKN 0.145" SHOT PIN OR #10 SMS AT 24" O.C. MAX.
7. STANDING SEAM ROOFING.
8. ROOF BEAM.
9. ROOF PURLIN.
10. 186 BOX AT 10" O.C. MAX. ALTERNATE #10 x 1 1/2" W.S.
11. PLYWOOD FLOOR DECK.
12. FLOOR JOIST OR BLOCKING.
13. FLOOR BEAM.
14. ROOF HEADER.
15. #6 STSMS WAFER HD.
16. JAMB STUDS SEE OPENING SCHEDULE.
17. ROOF BEAM.

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MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
 888 OTIS AVE. WILMINGTON, CALIFORNIA 92707
 PHONE: (909) 796-3030 FAX: (909) 796-1833

ARCHITECT APPROVAL
 STRUCTURAL ENGINEERS STAMP
 REGISTRY OF PROFESSIONAL ENGINEERS
 STATE OF CALIFORNIA
 JUN 3 1997
 REGENCY ENGINEERING & CONSULTING GROUP
 17165 VON KARMAN, SUITE # 108
 IRVINE, CA 92714
 TELEPHONE: (714) 268-3799
 FAX: (714) 268-3795
 A SUBSIDIARY OF REGENCY COMPANY, INC.

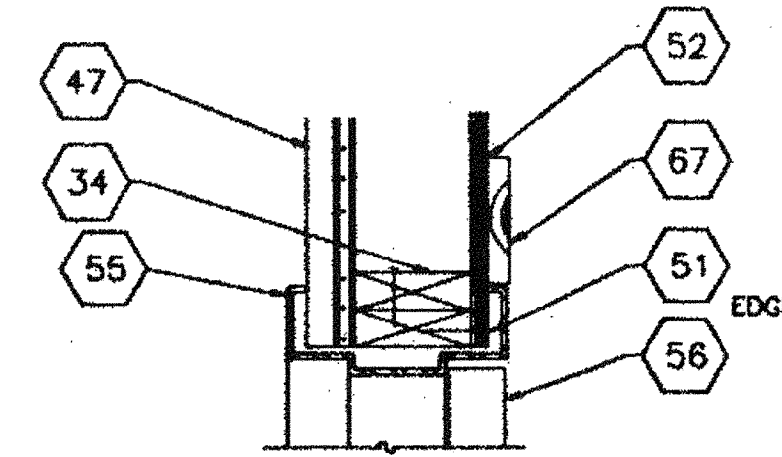
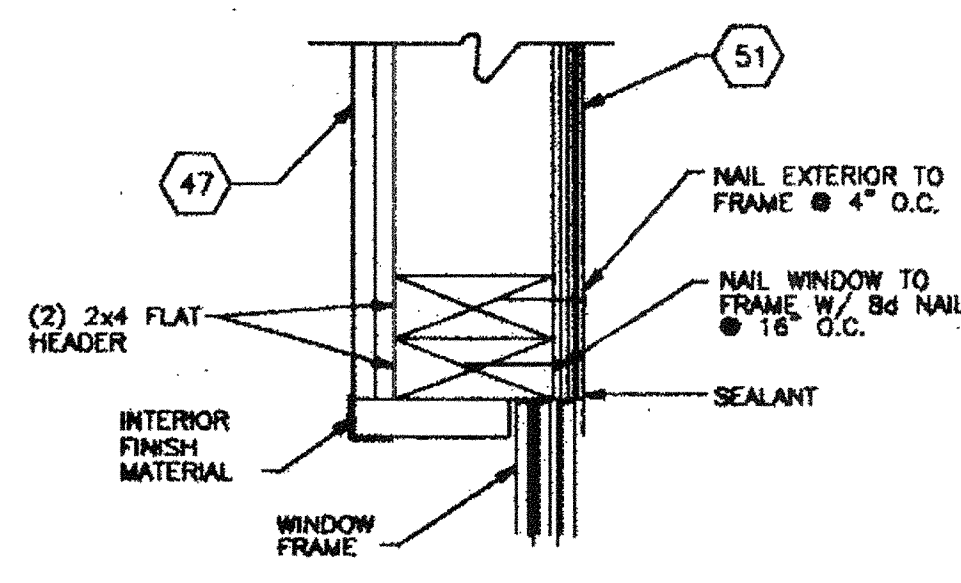
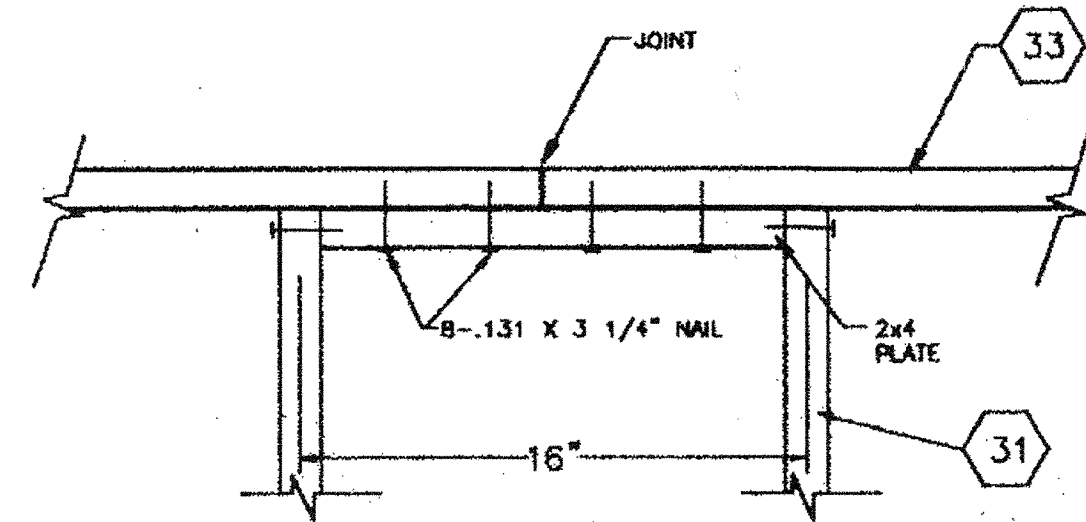
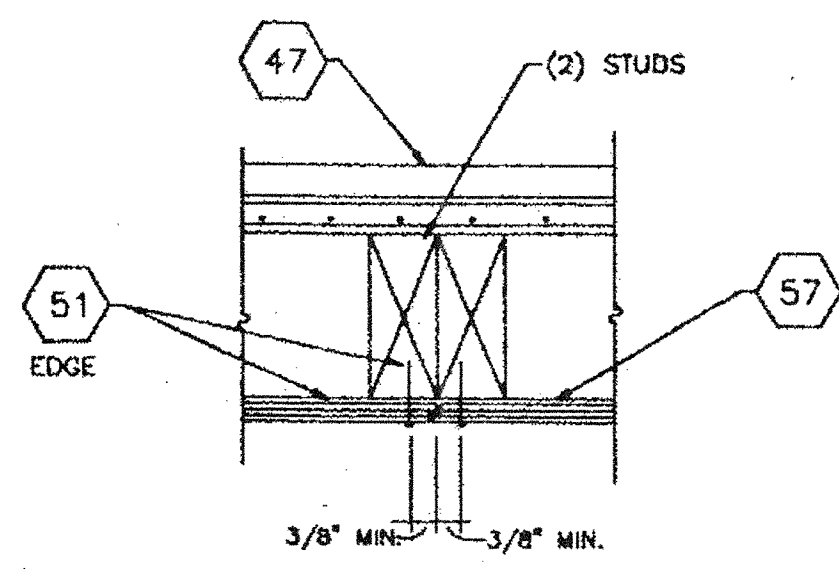
STATE AGENCY APPROVAL
 PROJECT
 24'X40', 36'X40', & 48'X40'
 MODULAR CLASSROOM BUILDING
 TITLE
 STEEL FRAMING DETAILS
 JUN 20 2016

STATE AGENCY APPROVAL
 OFFICE OF THE STATE ARCHITECT
 DIVISION OF REGISTERED ARCHITECTS
 APR 5 2016
 JUN 17 1997

STATE AGENCY APPROVAL
 APR 29 1997

JOB #	96-1310
DATE	12/9/96
DRAWN BY	B.N.
SCALE	NONE
APPROVED	
REVISIONS	
SHEET NO.	S-26

PC-323



KEYNOTES

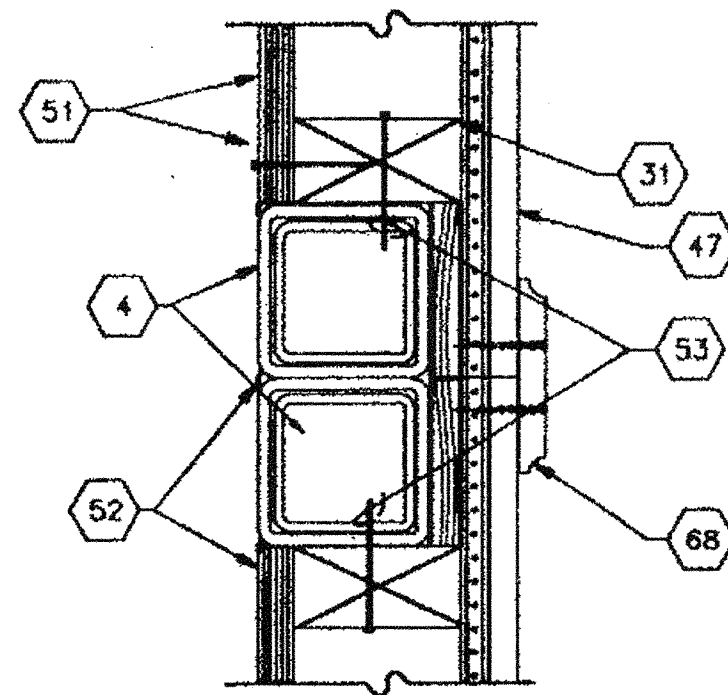
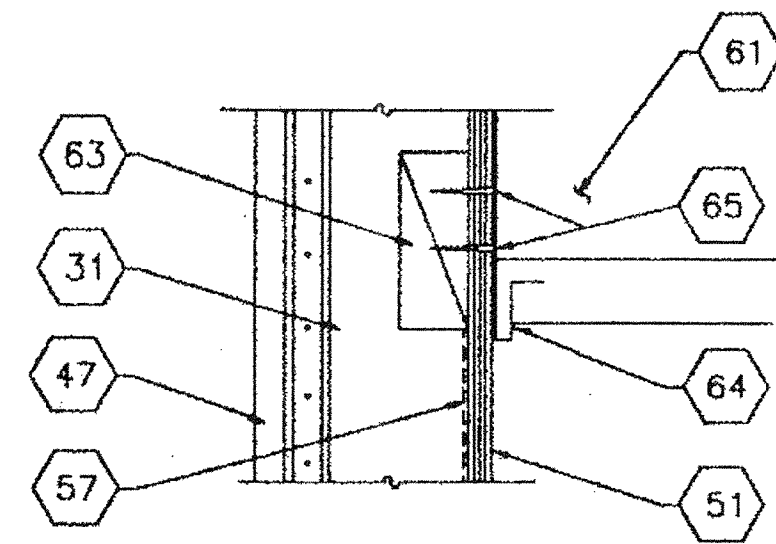
1. STEEL FLOOR CHANNEL
4. STEEL TUBE COLUMN - SEE SHEET S-5
10. STEEL FLOOR JOIST
11. FLOOR SHEATHING
31. 2x4 FULL HT STUDS
32. 2x4 TOP & BOTTOM PLATE
33. GALV METAL FLASHING
34. HEADER - (2) 2x4 H.F. STD GRADE FLAT
47. TYPICAL INTERIOR FINISH - SEE SHEET G-1 FOR MATERIALS
51. EXTERIOR PLYWOOD SIDING/SHEATHING - NAIL W/ CORROSION RESISTANT (.131 X 3 1/4" NAILS) 8d BOX NAILS AT 6" O.C. BOUNDARY & EDGES, AND 12" O.C. FIELD WITH MOISTURE BARRIER. SEE SHEET G-1 FOR MATERIALS.
52. SEALANT
53. 'HILTI' DMS7-PB @ 24" O.C. (OR RAMSET 1514 SD) OR .171 PIN AT 24" O.C.
54. 2x4 TRIMMER
55. HOLLOW METAL DOOR FRAME
56. METAL DOOR
57. WATERPROOF MEMBRANE
58. 16d NAIL OR .144 PIN AT 16" O.C.
59. DOOR BOTTOM W/ WEATHER STRIP
60. ALUM THRESHOLD
61. WALL MTD. A/C
62. 4x4 H.F. #2 POST (OR BETTER)
63. 2x8 BLOCK BETWEEN STUDS, ATTACH TO STUDS W/ (2) 16d BOX NAILS EA. END
64. 11 GA x 24" LONG STEEL BOTTOM BRACKET
65. 3/8" DIA x 2-1/2" LAG BOLTS
66. 3/4" SPACER-PLYWOOD
67. 1x4 TRIM (OPTIONAL)
68. VINYL WRAPPED CLOSE-OFF BATT. ATTACH W/ #8x2 1/4" PAN HEAD WOOD SCREWS STAGGERED 24" O.C. AND (2) SCREWS TOP AND BOTTOM
69. 3 1/4"x1"x4"-6" C x 10 GA. CHANNEL TOP & BOTTOM.
71. ROOF JOIST, SEE SHEET S-40

16 PANEL JOINT

11 TOP PLATE SPLICE

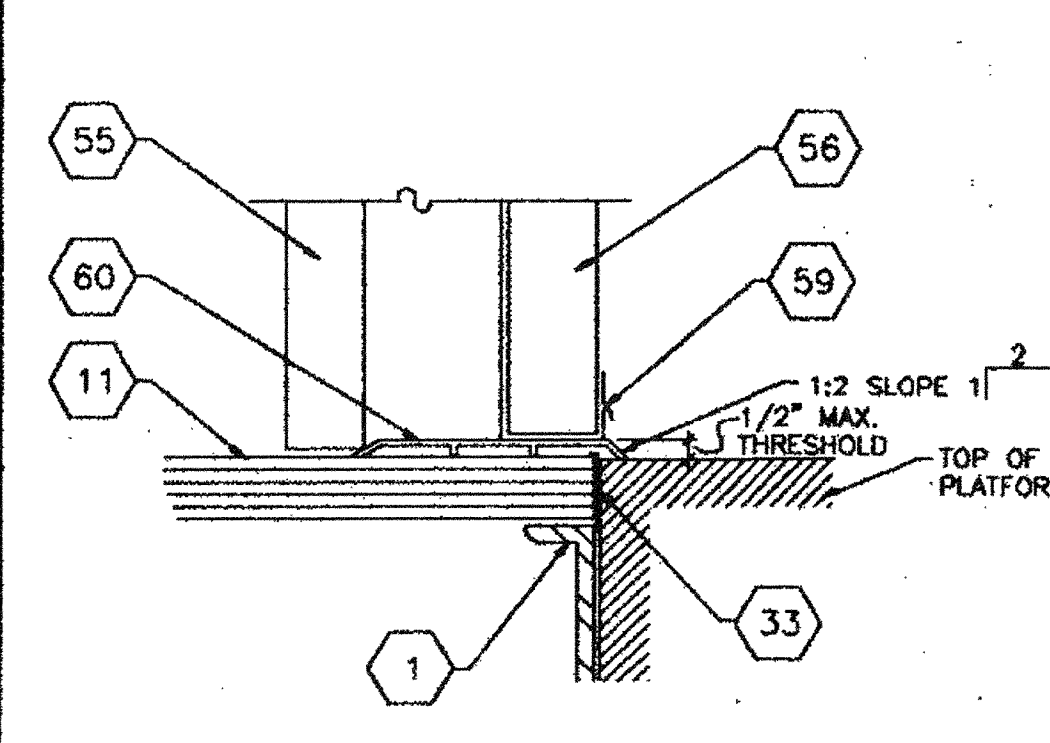
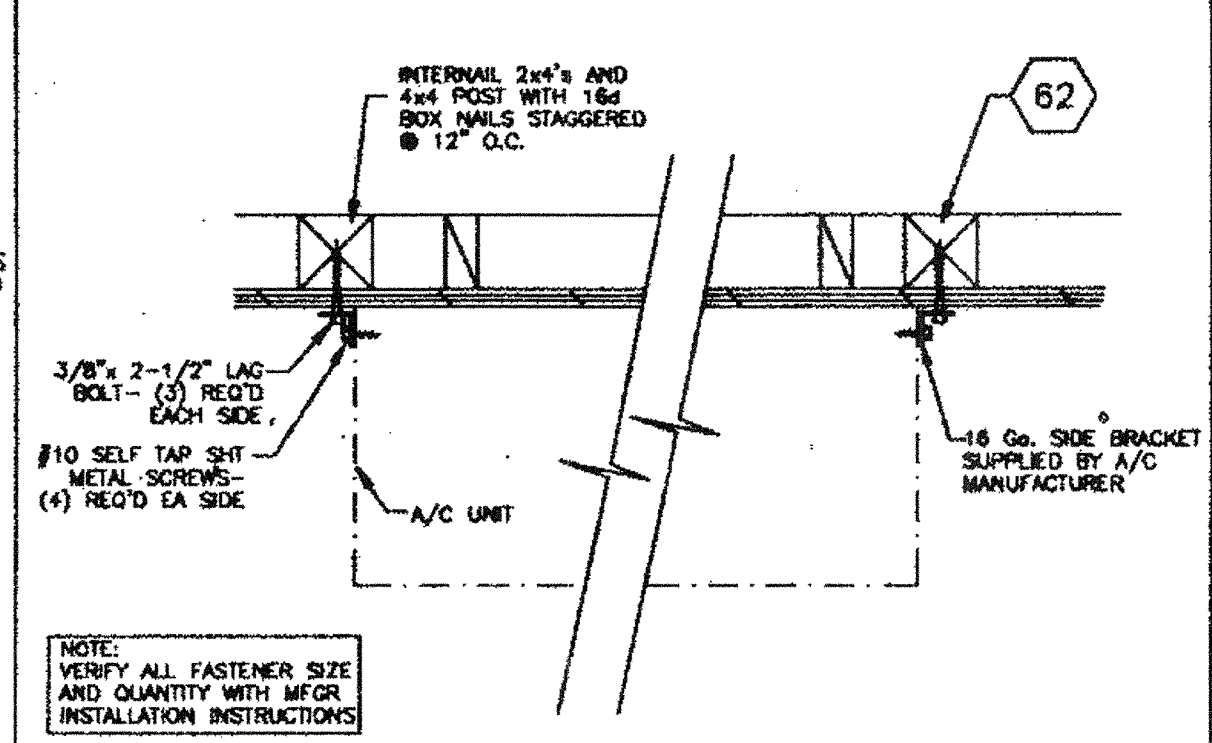
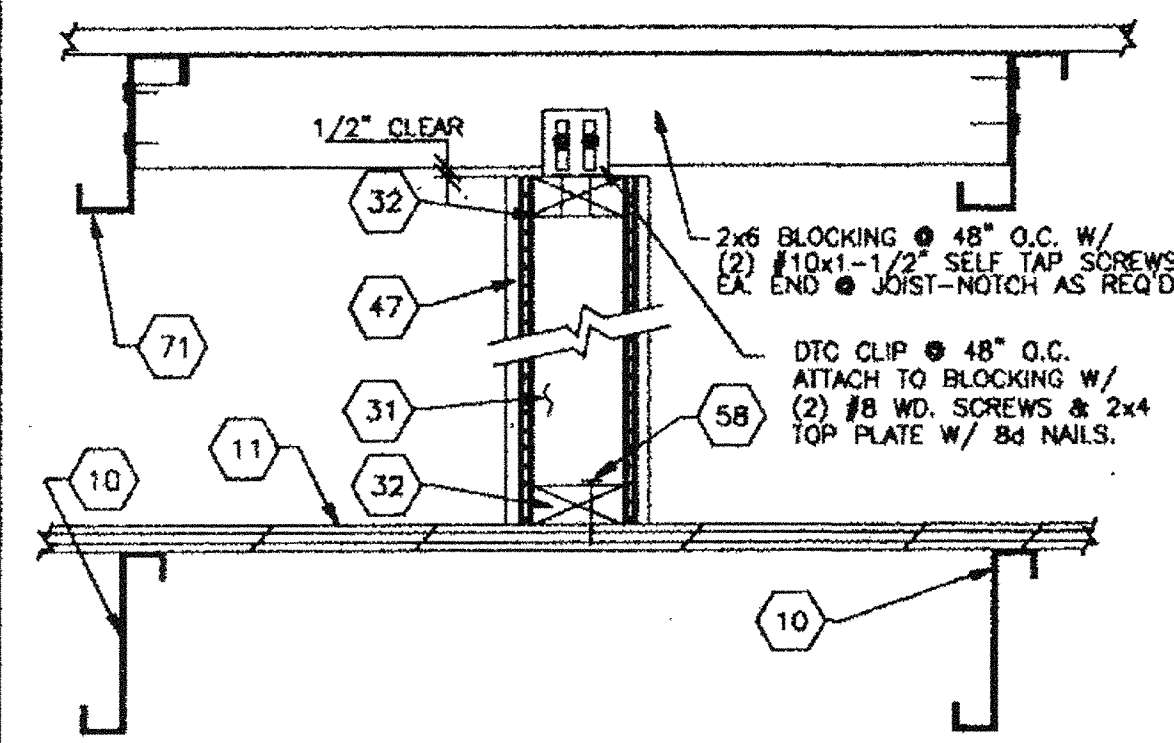
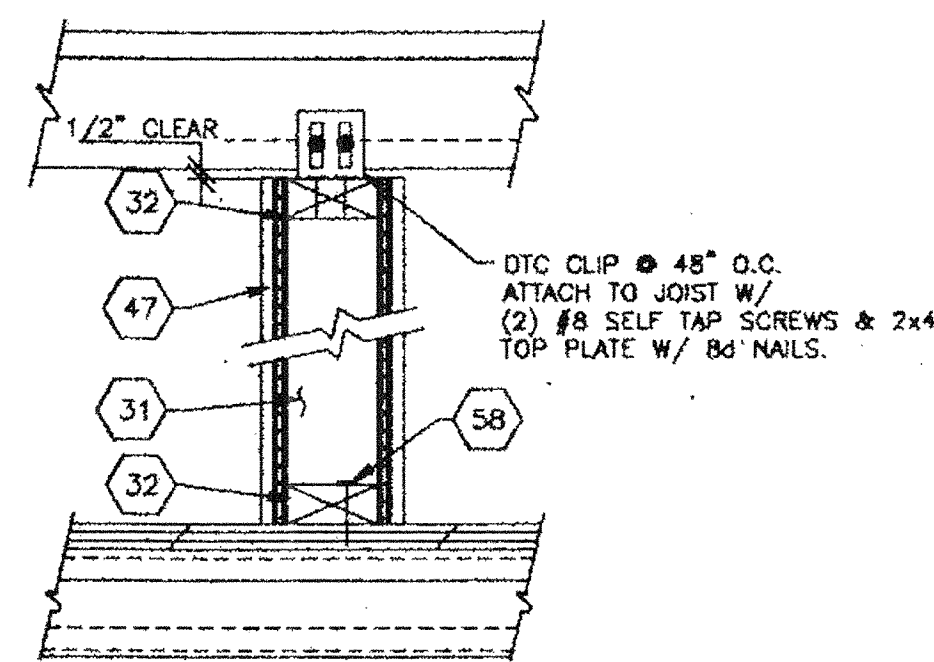
6 WINDOW HEADER

1 DOOR HEAD



7

2 DOOR JAMB



17 A/C BOTTOM BRACKET

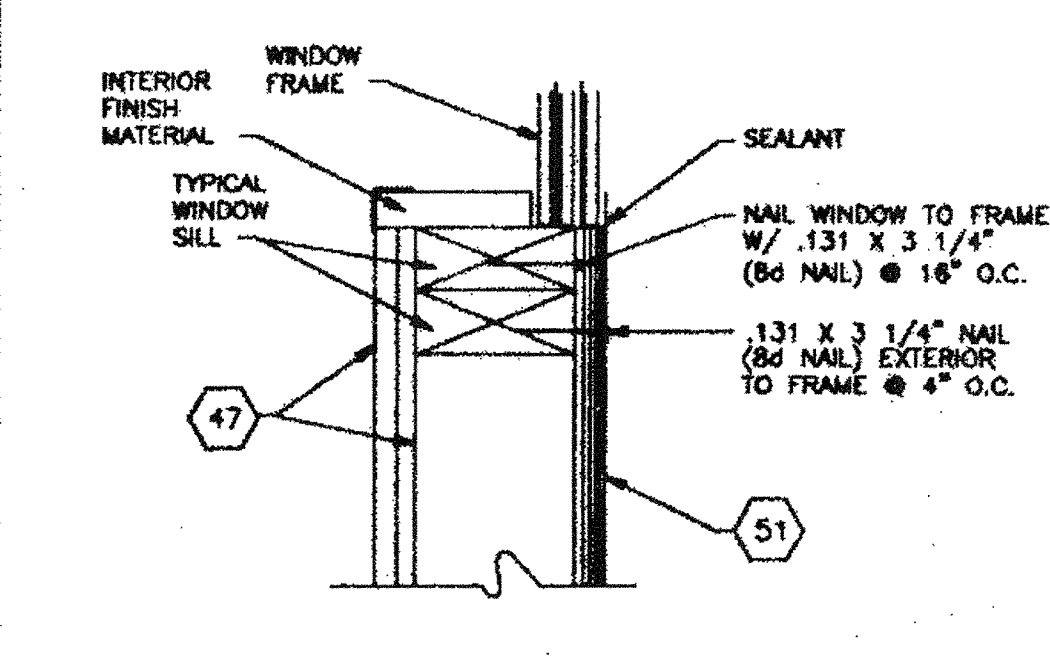
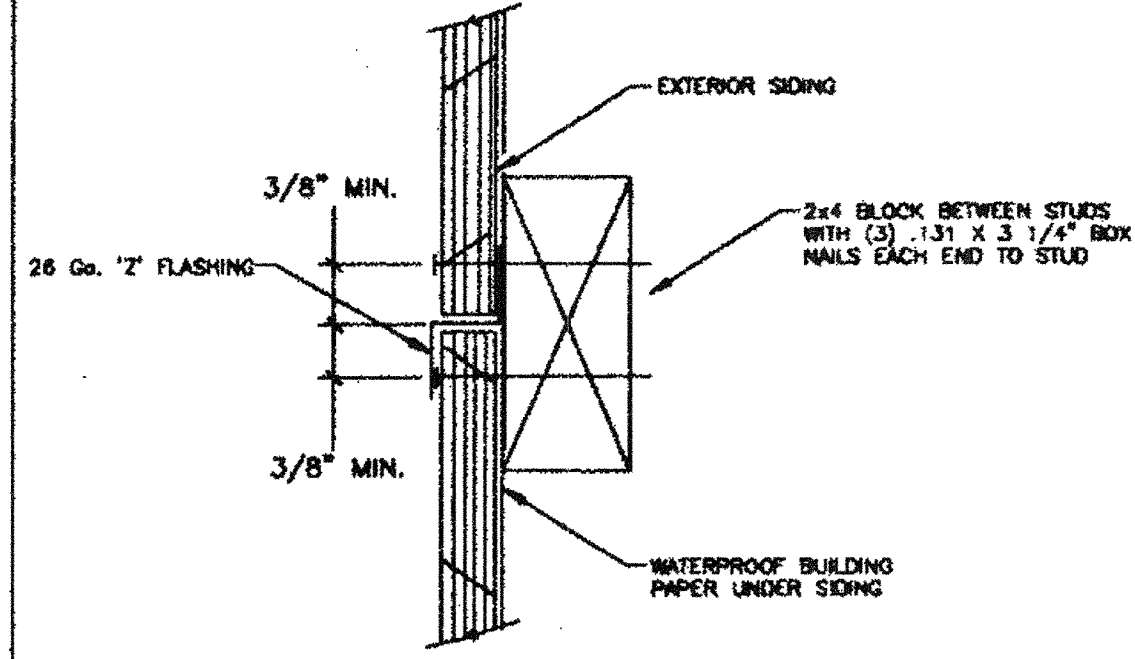
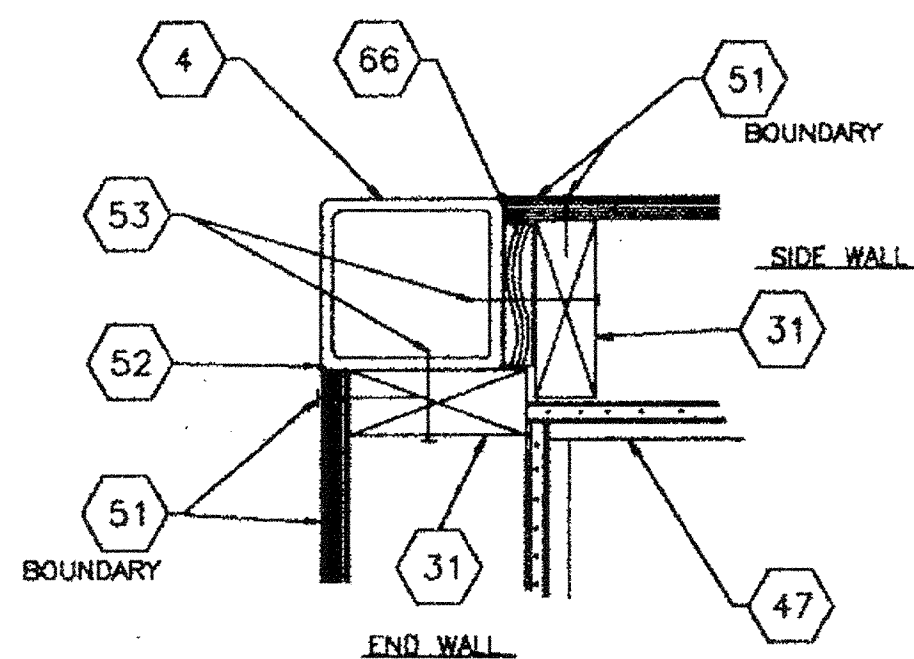
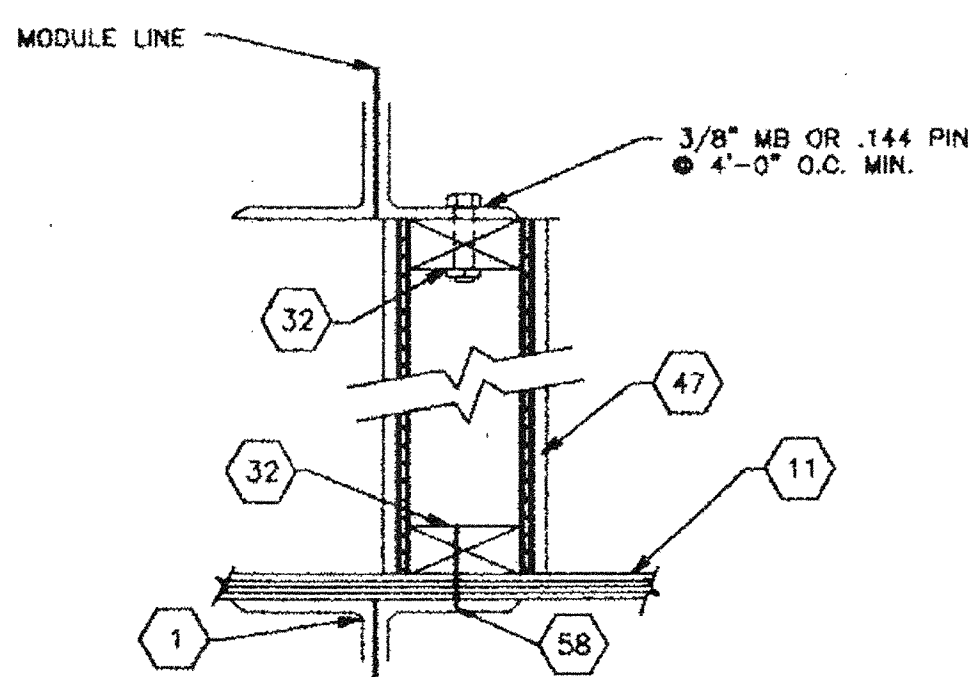
12 COLUMN AT MODULE LINE

18 INTERIOR WALL ATTACHMENT

13 INTERIOR WALL ATTACHMENT

8 A/C SIDE BRACKETS

3 THRESHOLD

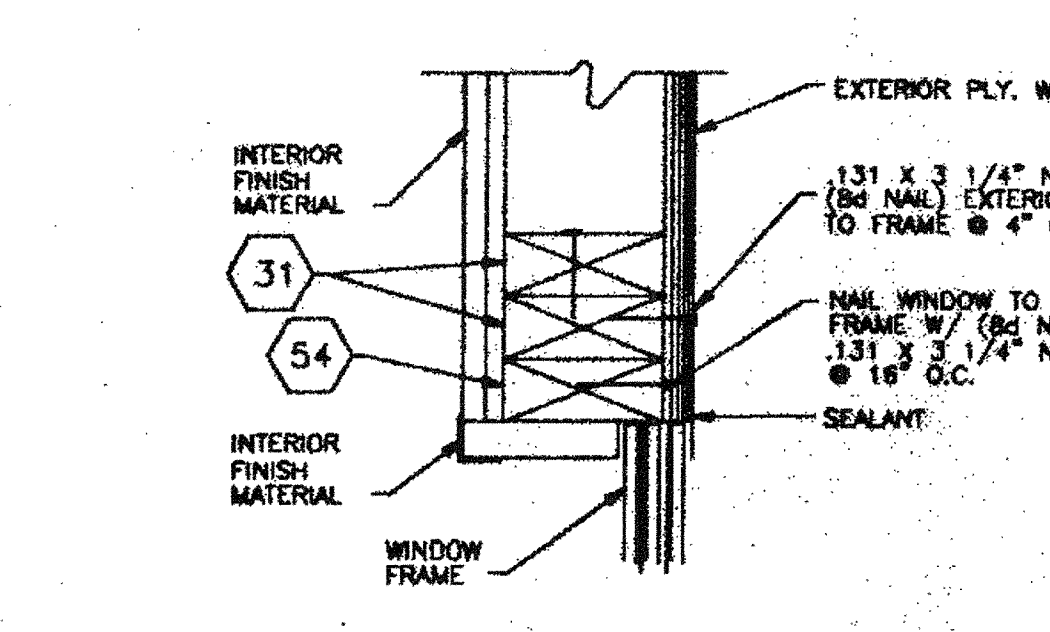
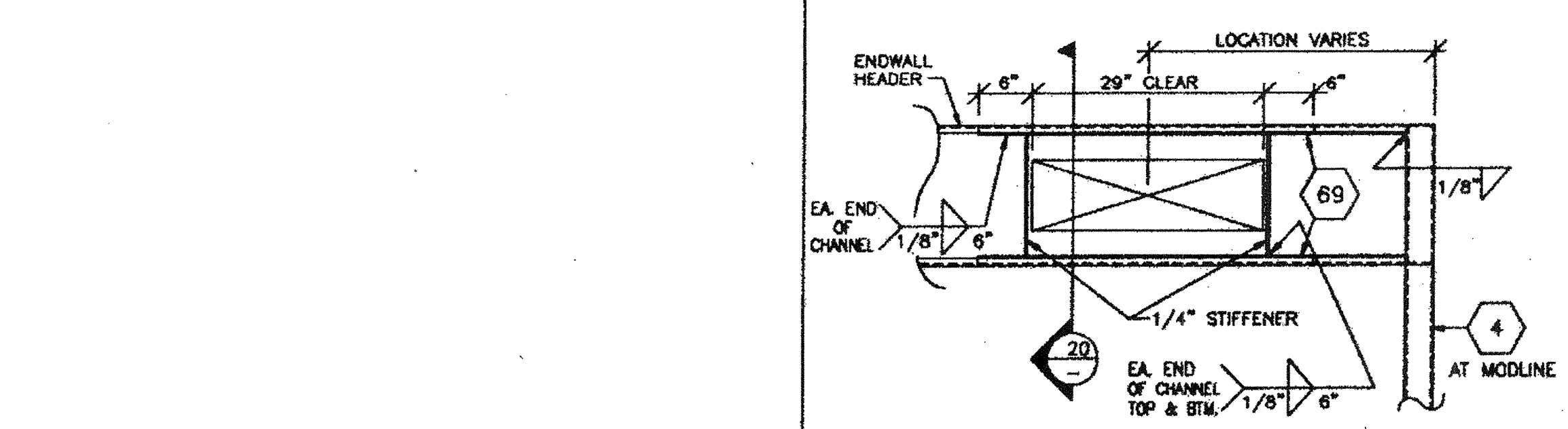
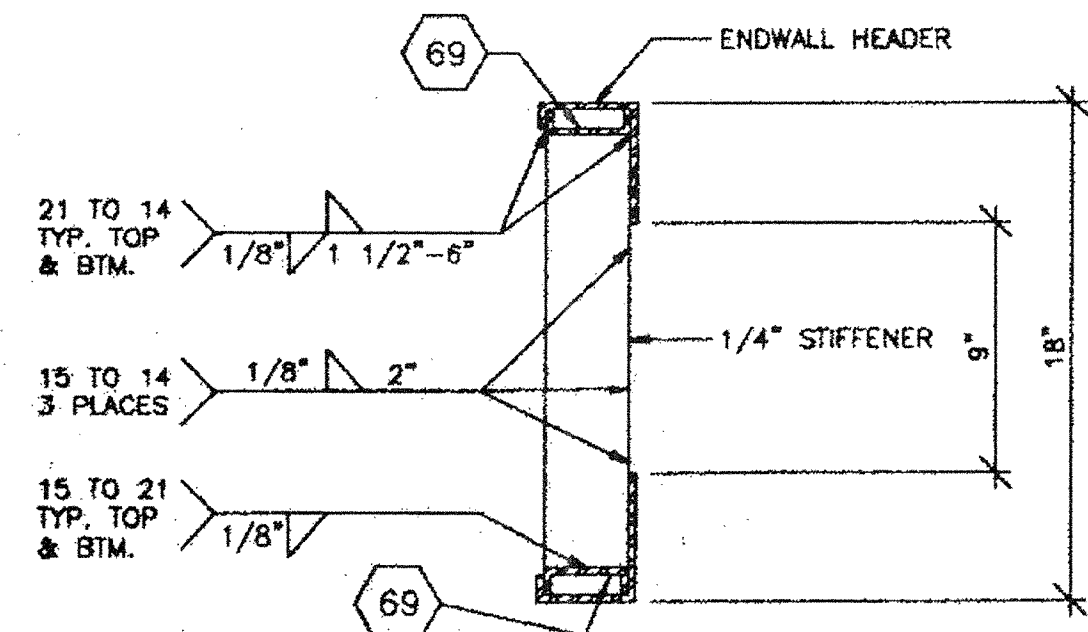


19 INT. WALL ATTACH @ MOD LINE

14 COLUMN AT CORNER

9 PANEL SPLICE

4 WINDOW SILL



20 A/C OPENING IN HEADER

15

10 A/C OPENING IN HEADER

5 WINDOW JAMB

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MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
17108 VON KAMLAN, SUITE # 108
TOLSON, CALIFORNIA 94707
PHONE: (415) 768-3038 FAX: (415) 768-1083

REGENCY ENGINEERING & CONSULTING GROUP
17108 VON KAMLAN, SUITE # 108
TOLSON, CALIFORNIA 94707
TELEPHONE: (714) 263-3799
FAX: (714) 263-3765
A SUBSIDIARY OF REGENCY COMPANY, INC.

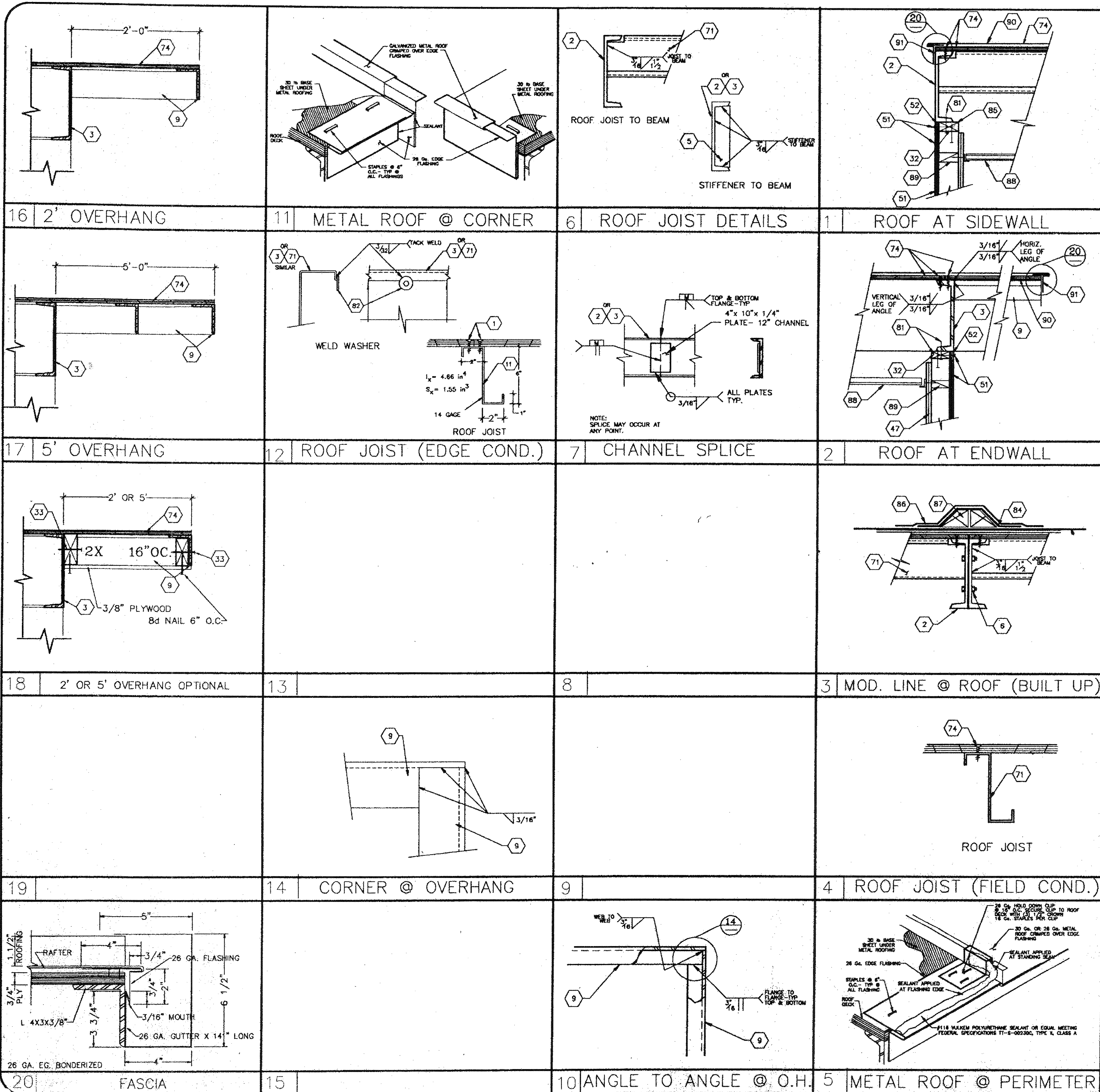
PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
GENERAL INTERIOR AND EXTERIOR
WALL CONSTRUCTION DETAILS

JOB # 96-1310
DATE 12/9/96
DRAWN BY B.N.
SCALE NONE
APPROVED
REVISIONS
2/4/97
4/15/97 MDT
4/25/97 MSI REV.
PLOT DATE: 04/28/97
SHEET NO.

S-30

PC-323



- KEYNOTES
- [12" x 20.7 # CHANNEL FOR 20 PSF ROOF, [15" x 33.9 FOR 30 PSF ROOF
 - [12" x 20.7 LB. ROOF HEADER
 - 1/4" FULL HEIGHT STIFFENER @ 4'-0" O.C. OR AT ROOF JOIST.
 - 5/8" MACHINE BOLT AT MODULE LINE.
 - 4" x 3" x 3/8" @ PERIMETER OF ROOF OVERHANG.
 - 2X4 D.F. TOP PLATE - INTERNAL TO 2X4 CONT. PLATE W/ .131 x 3 1/4" BOX NAILS @ 8" O.C.
 - INTERIOR FINISH - SEE SHEET G-1.
 - TYP. EXTERIOR FINISH - SEE SHEET G-1.
 - 6" x 2" W x 1" LIP x 14 GA. ROOF JOIST
 - 30 GAGE, 26 GAGE OR BUILD UP ROOF OVER ROOF SHEATHING - 3/4" C-D EXPOSURE 1, 48/24 SHAP RATING, PS 1-74, APA RATED OR EQUAL, SQUARE EDGE W/ PLYWOOD CLIPS @ 16" O.C. ON UNSUPPORTED EDGES; ATTACH TO STEEL FRAMING WITH #10 x 2" SELF TAP SCREWS OR .170 PIN @ 6" O.C. BOUNDARY & EDGES AND 12" O.C. FIELD.
 - 2X4 H.F. CONT. PLATE- ATTACH TO CHANNEL W/ 0.1708 SHOT PIN @ 16" O.C. OR 3/8" BOLT AT 24" O.C. MIN.
 - FIBERGLASS BASE 12" WIDE NAIL EDGE 12" O.C.
 - MINERAL SURFACE CAP SHEET 18" WIDE SET IN COLD PROCESS CEMENT, NAIL AS REQUIRED, SPOT COAT NAIL HEADS.
 - CONTINUOUS WOOD CANT STRIP; EXTEND ROOFING TO TOP OF CANT STRIP
 - SUSPENDED CEILING
 - 2X4 BLOCK @ CEILING LINE
 - ROOFING MATERIAL 26 GAGE, 30 GAGE OR BUILT UP ROOFING
 - 26 GA. FLASHING

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

STATE AGENCY APPROVAL

PROJECT

24'x40', 36'x40', & 48'x40' MODULAR CLASSROOM BUILDING

TITLE

ROOF CONSTRUCTION DETAILS FOR 'C' CHANNEL AND PLYWOOD

JUN 20 2016

STATE AGENCY APPROVAL

DATE 12/9/96

DRAWN BY B.N.

SCALE NONE

APPROVED

REVISIONS

2/4/97

4/25/97 MSI REV.

STATE AGENCY APPROVAL

APR 20 1997

PLOT DATE: 04/28/97

SHEET NO.

MSI

MODULAR STRUCTURES INTERNATIONAL, INC.

880 GROSS RD. INGLEWOOD, CALIF. 90307

PHONE: (800) 785-3035 FAX: (800) 785-1923

REGENCY ENGINEERING & CONSULTING GROUP

17165 VON KARMAN, SUITE # 108

IRVINE, CA 92714

TELEPHONE: (714) 968-3799

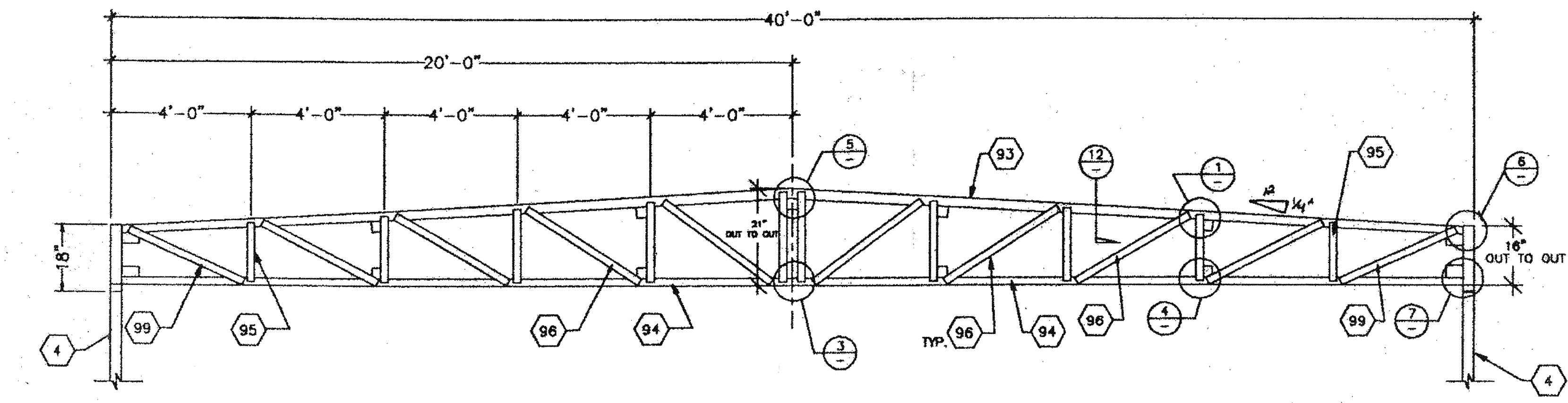
FAX: (714) 263-3795

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PC-323

ROOF CONSTRUCTION DETAILS FOR 'C' CHANNEL AND PLYWOOD

S-52



TRUSS ELEVATION

CAMBER TRUSS 1/2" @ MIDSPAN

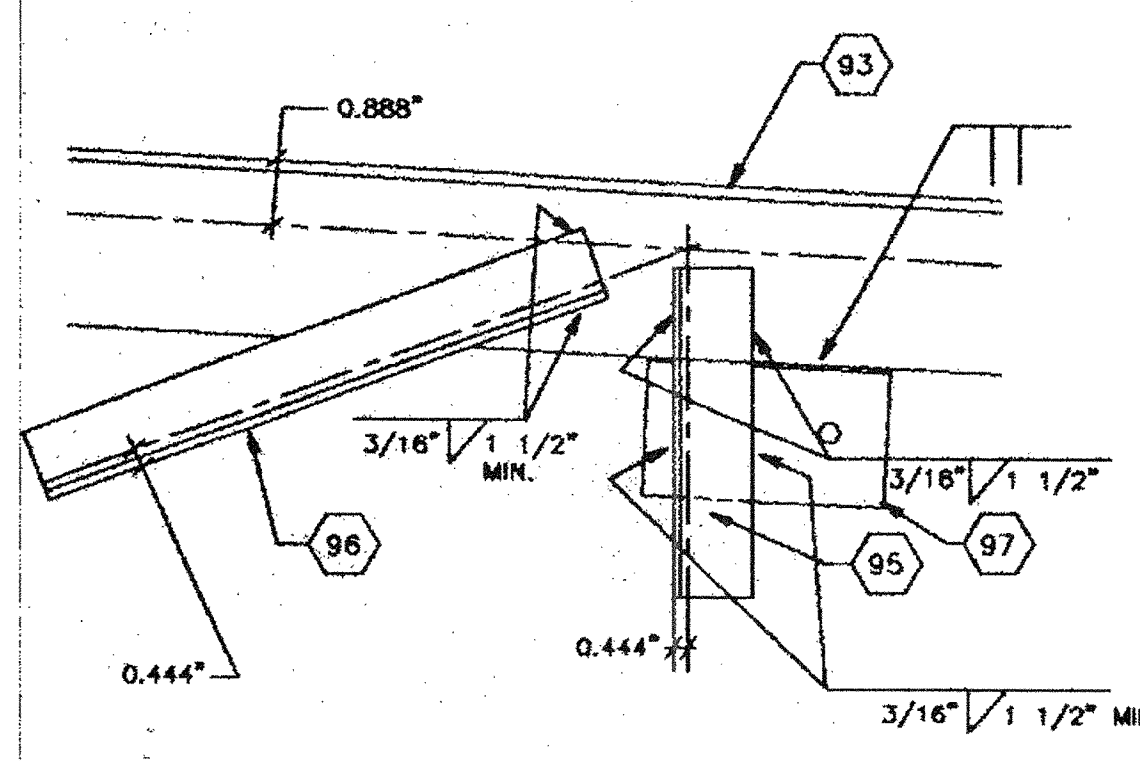
A

KEYNOTES

- 4. 3 1/2"x3 1/2"x3/16" STEEL TUBE
- 6. 5/8" MACHINE BOLT FOR MODULE CONNECTION
- 7. 1/4" CAP PLATE
- 71. ROOF JOIST
- 93. < 3"x3"x3/8" TOP CHORD.
- 94. < 3"x3"x3/8" 1/2" CHAMBER AT MIDPOINT
- 95. < 1 1/2"x1 1/2"x3/16" VERTICAL MEMBER
- 96. < 1 1/2"x1 1/2"x3/16" DIAGONAL MEMBER TYP.
- 97. 3/8"x3"x1/2" PLATE WITH 11/16" HOLE FOR 5/8" MACHINE BOLT LOCATE PLATES @ 8'-0" O.C. FOR MODULE CONNECTION. SEE DETAIL '8.
- 98. 1 1/2"x1 1/2"x3/16" BRACE @ EVERY OTHER JOIST
- 99. 1 1/2"x1 1/2"x3/16" END DIAGONAL (WITH 4" OF 3/16" FILLET WELD EACH END)

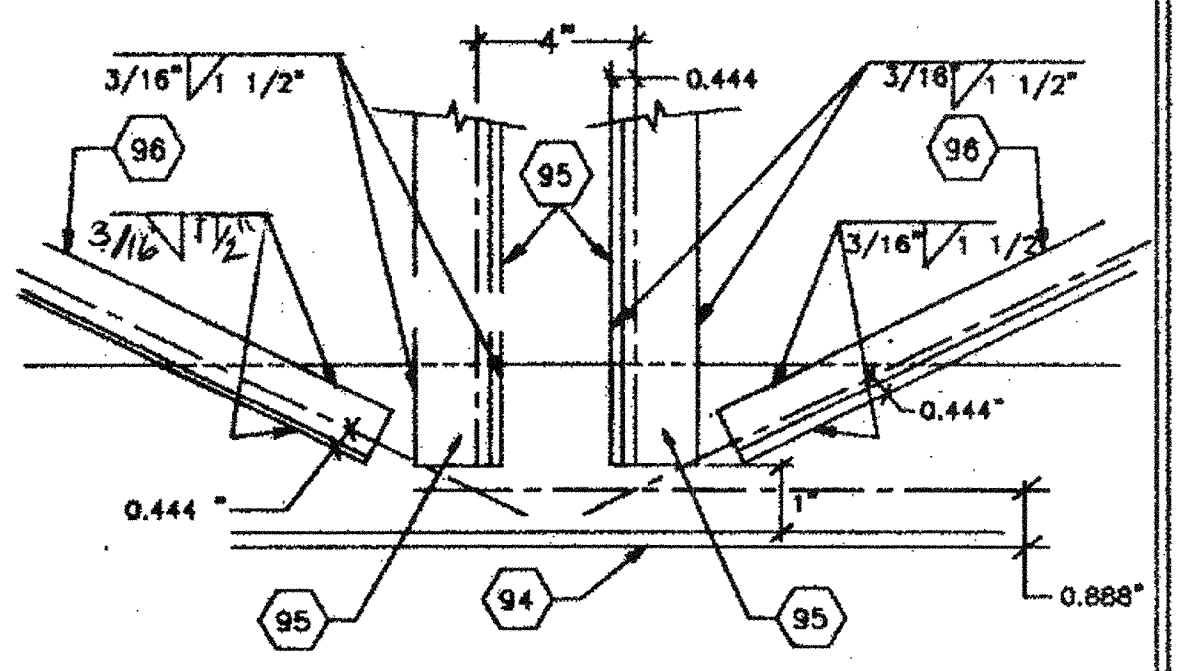
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MODULAR STRUCTURES INTERNATIONAL, INC.
 1000 S. GARDEN AVENUE, SUITE 100
 IRVINE, CA 92714-2883
 TELEPHONE (714) 263-3700
 FACSIMILE (714) 263-3705
 PROJECT: (601) 788-3325 FILE: (601) 788-1033



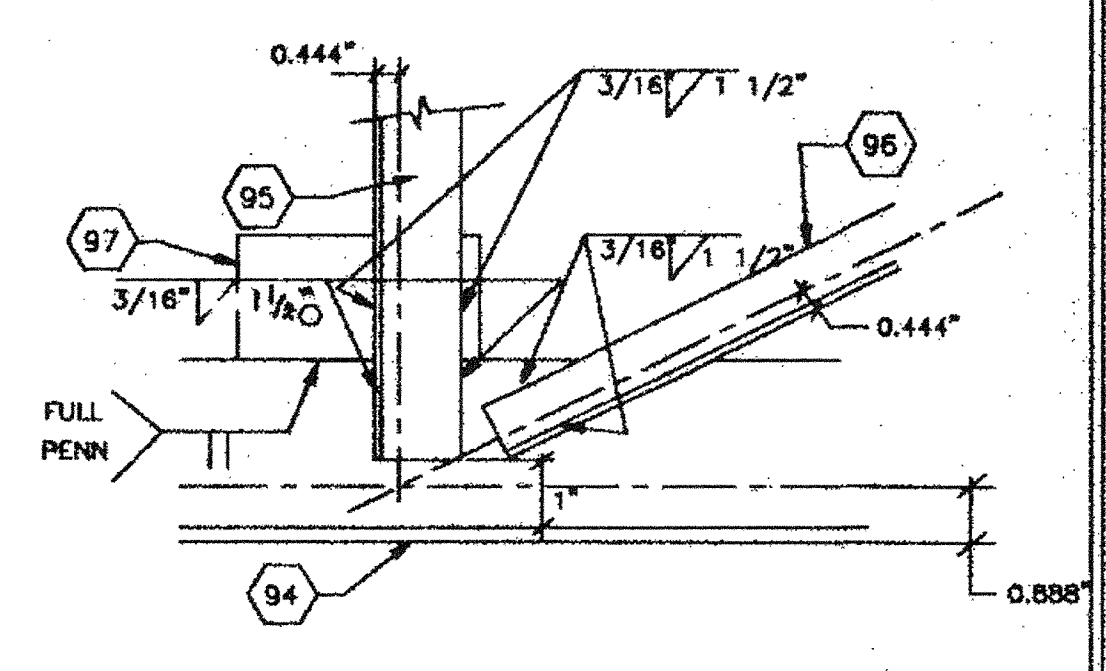
VERT. & DIAG. TOP CHORD

1



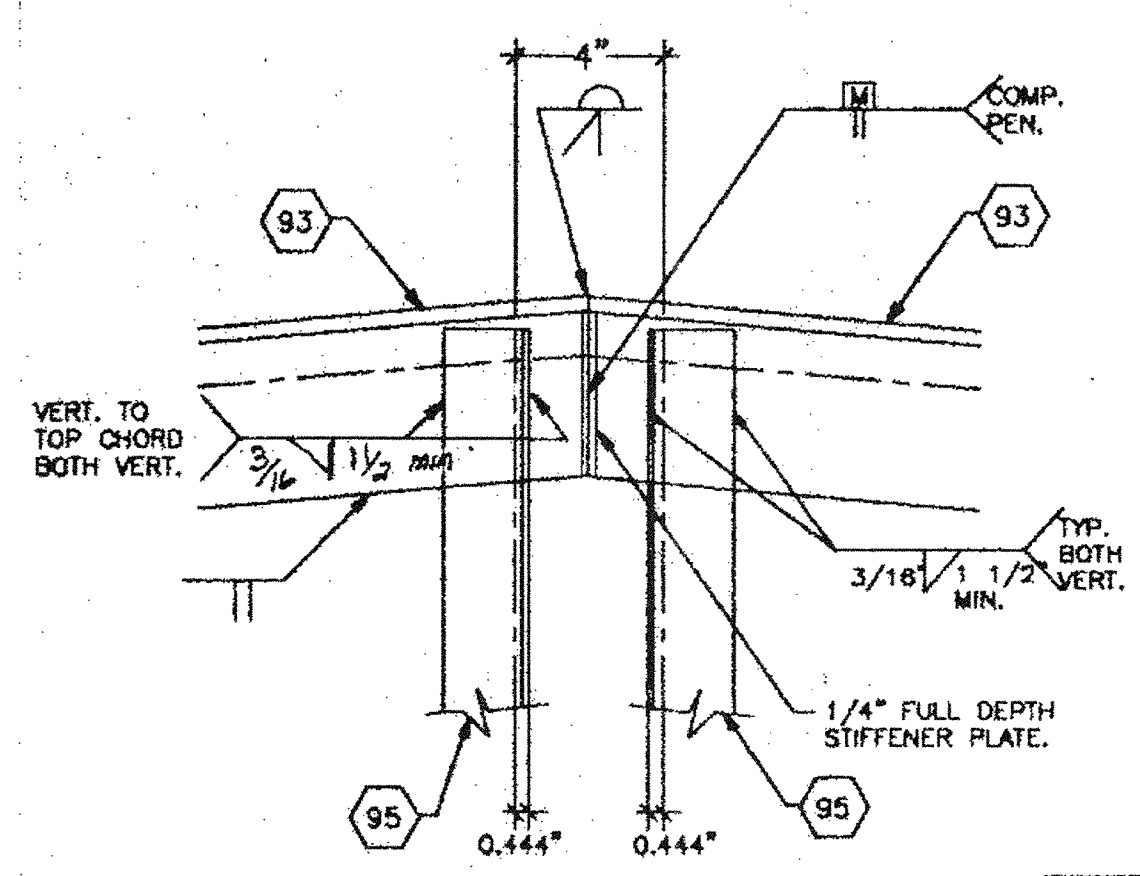
BOTTOM CHORD AT MIDSPAN

2



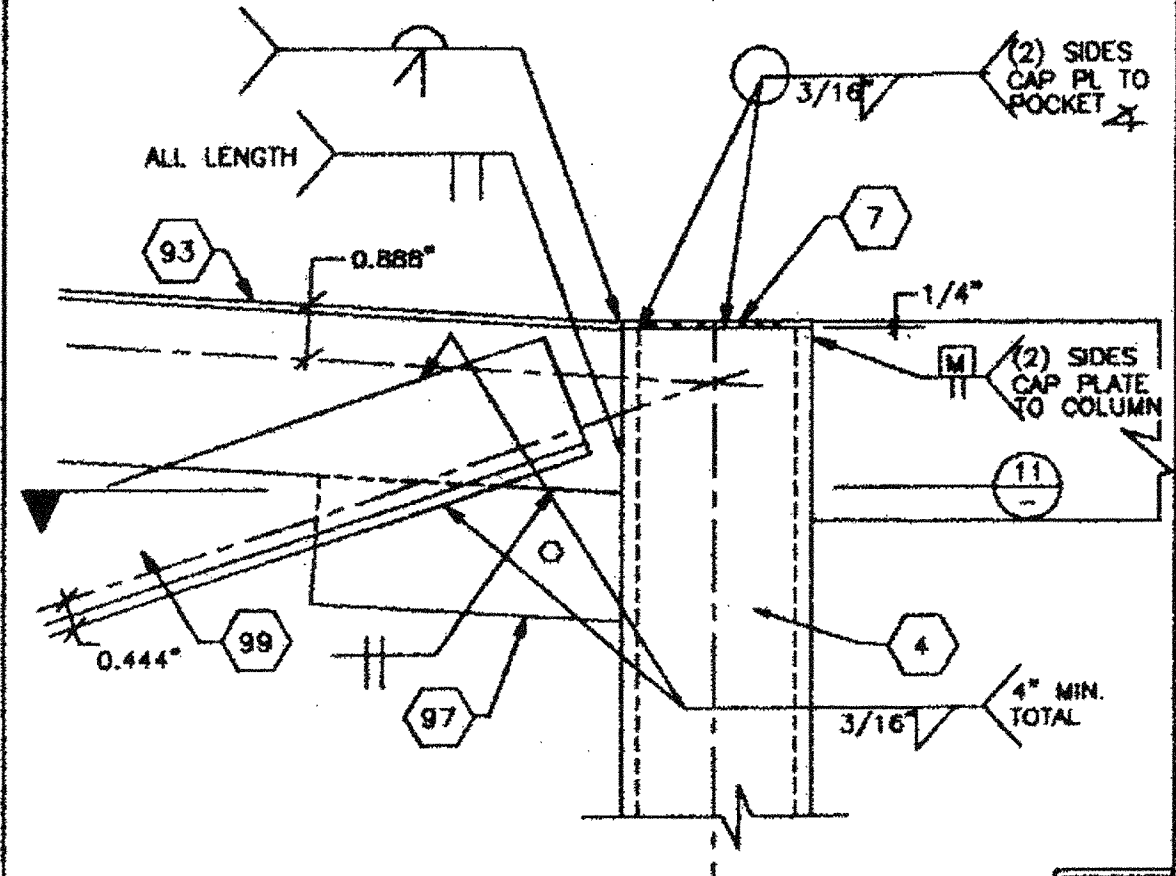
VERT & DIAG TO BOTTOM CHORD

3



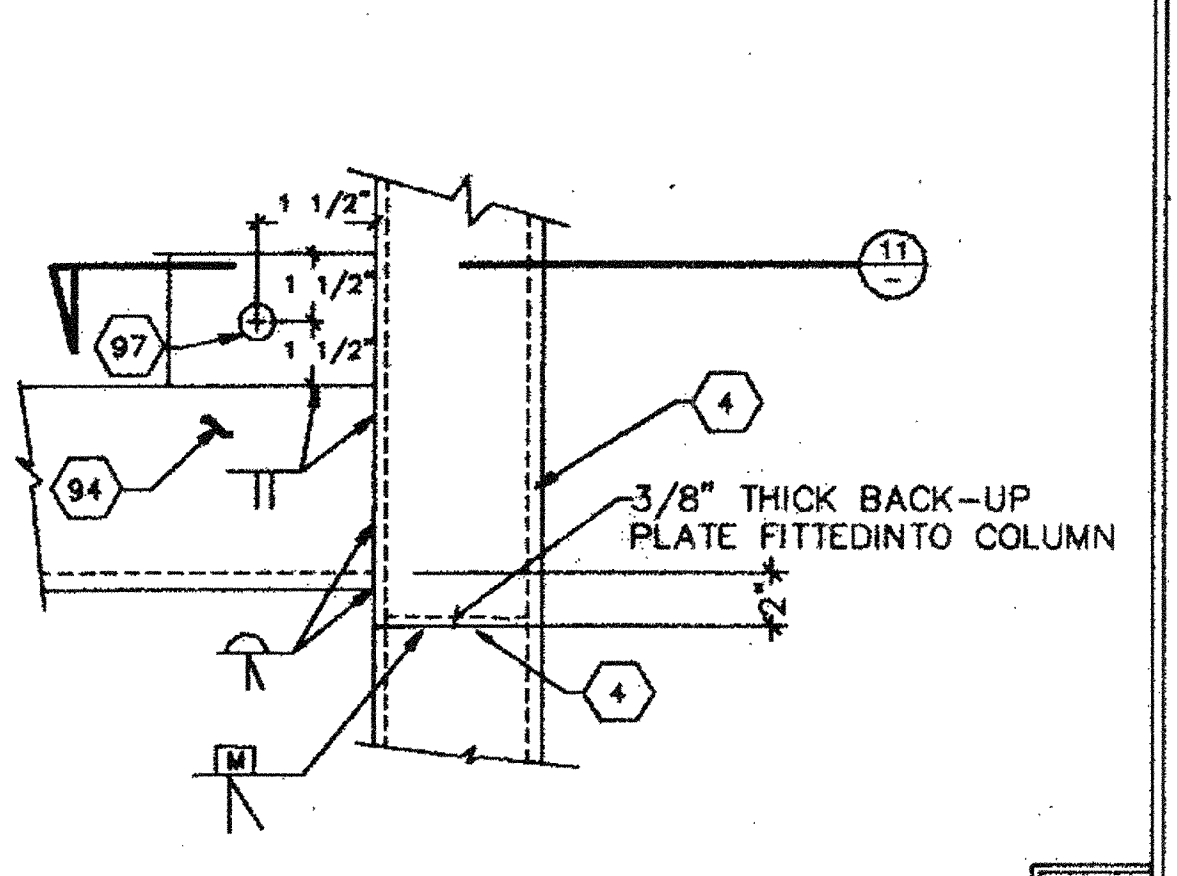
TOP CHORD AT MIDPOINT

4



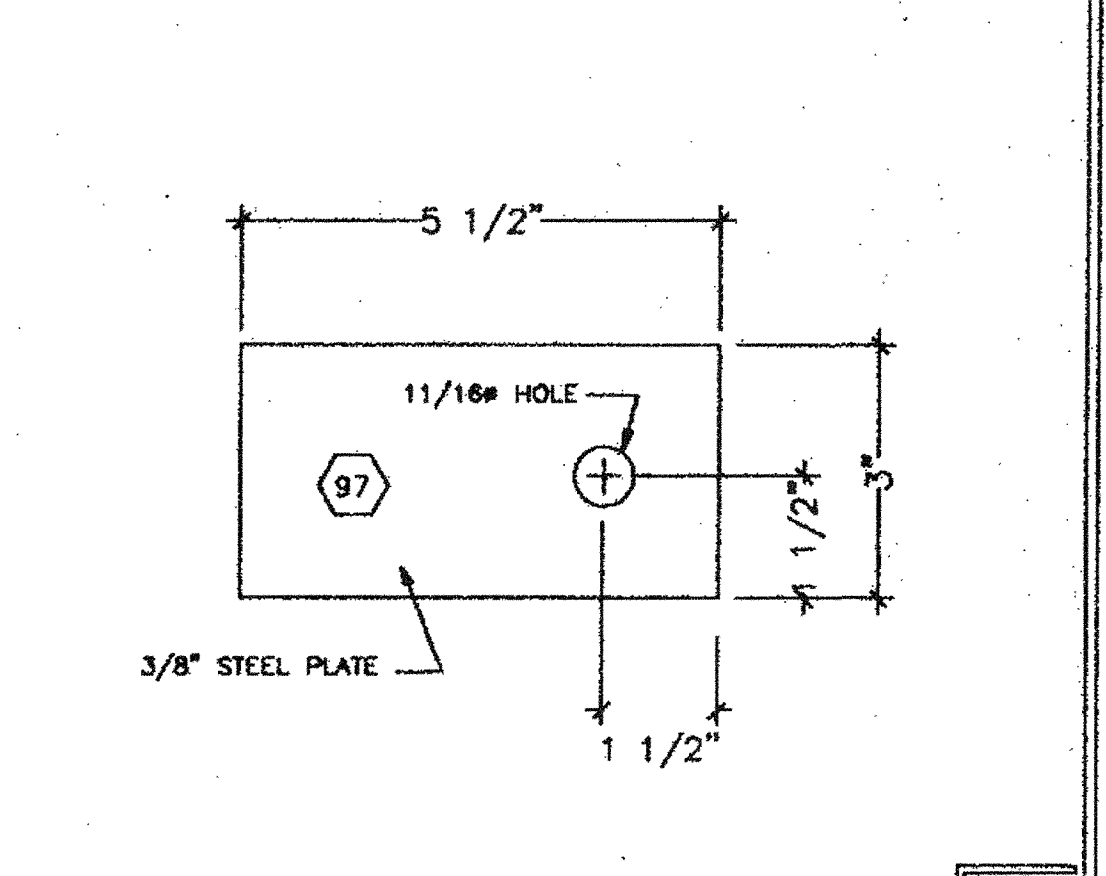
POST CONN TO TRUSS

5



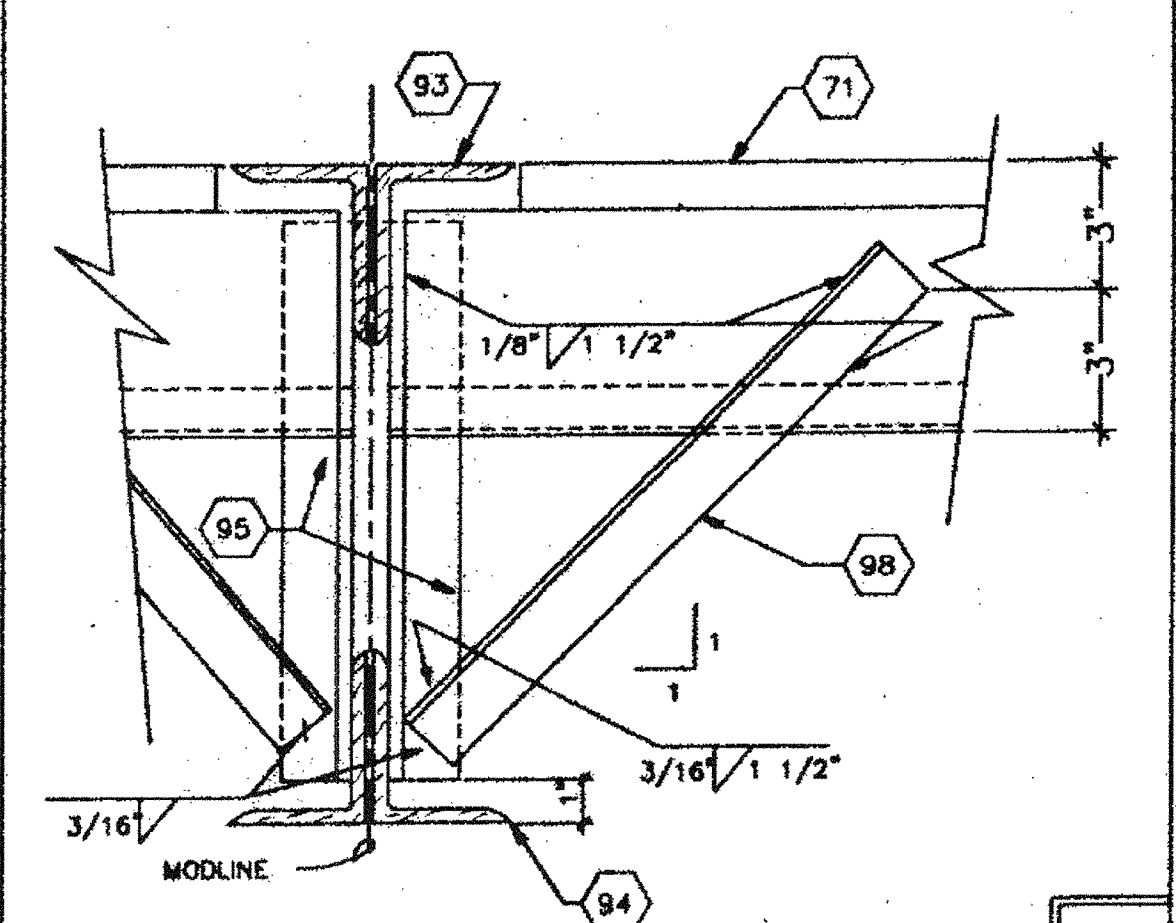
POST CONN TO TRUSS

6



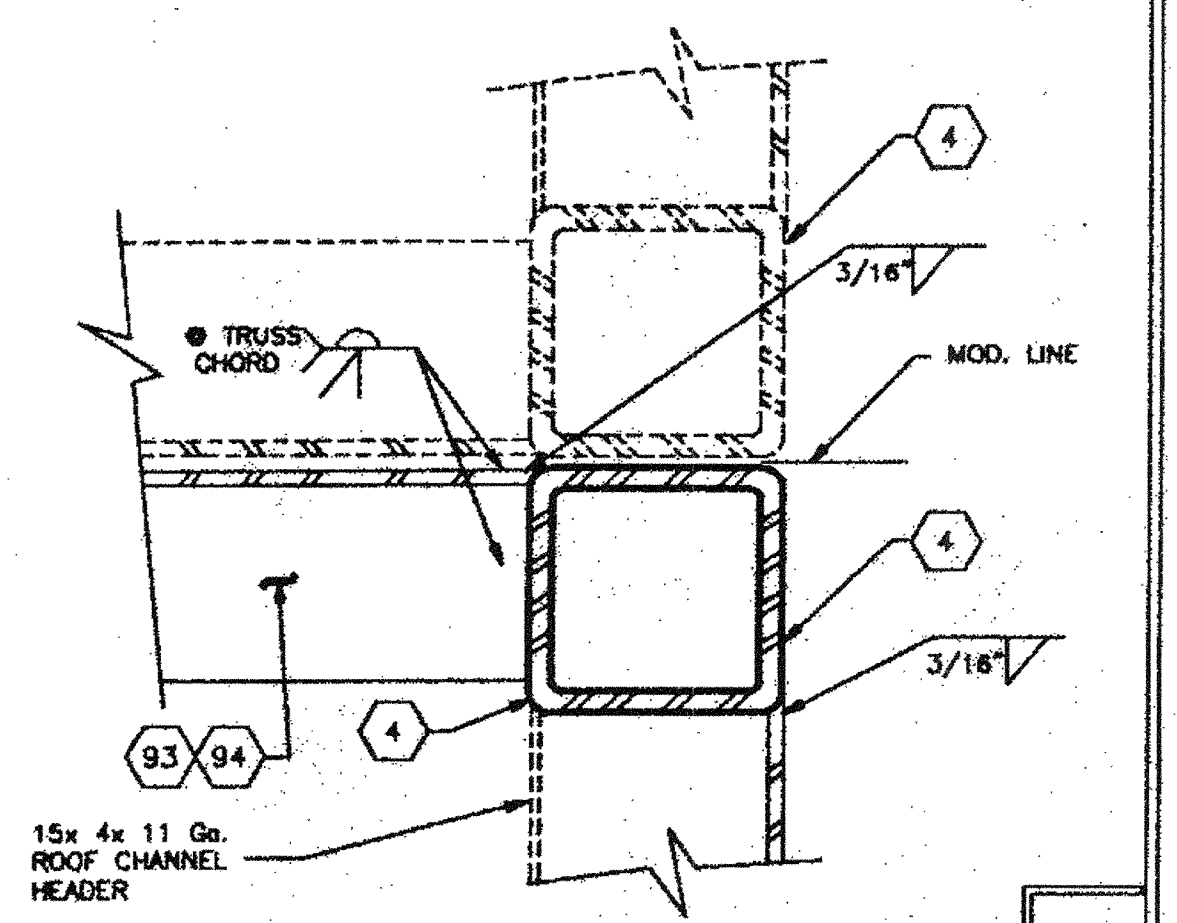
TIE PLATES

7



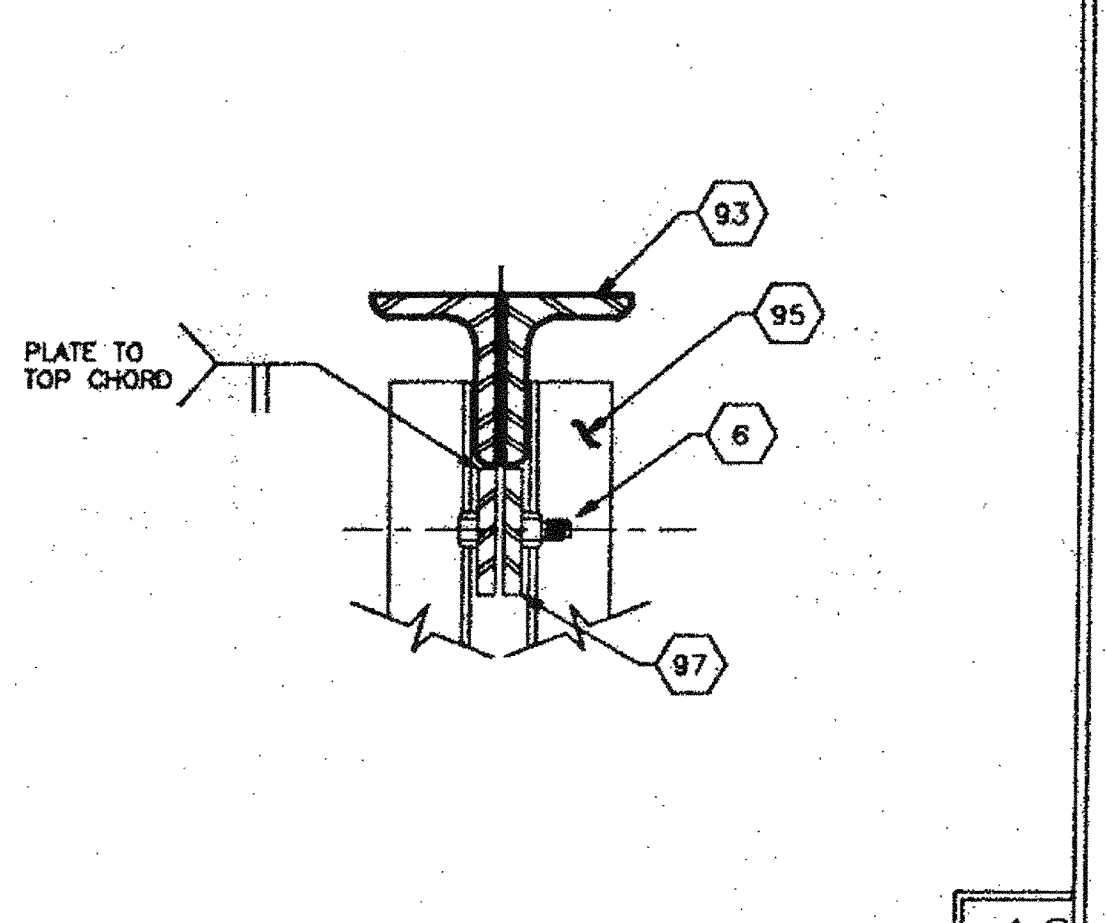
TRUSS TO ROOF JOIST BRACING

8



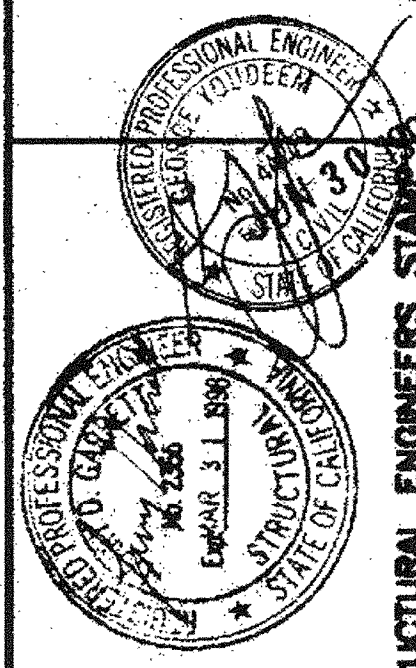
MODULE CONN AT TOP/BOT. CORD

9



MODULE CONNECTION

10



REGENCY ENGINEERING & CONSULTING GROUP
 1000 S. GARDEN AVENUE, SUITE # 100
 IRVINE, CA 92714-2883
 TELEPHONE (714) 263-3700
 FAX (714) 263-3705
 A SUBSIDIARY OF REGENCY COMPANY, INC.

STATE AGENCY APPROVAL
 JUN 20 2016

PROJECT
 24'X40', 36'X40' & 48'X40'
 MODULAR CLASSROOM BUILDING

TITLE
 STEEL TRUSS SECTION DETAILS,
 FOR DOUBLE PITCH ROOF

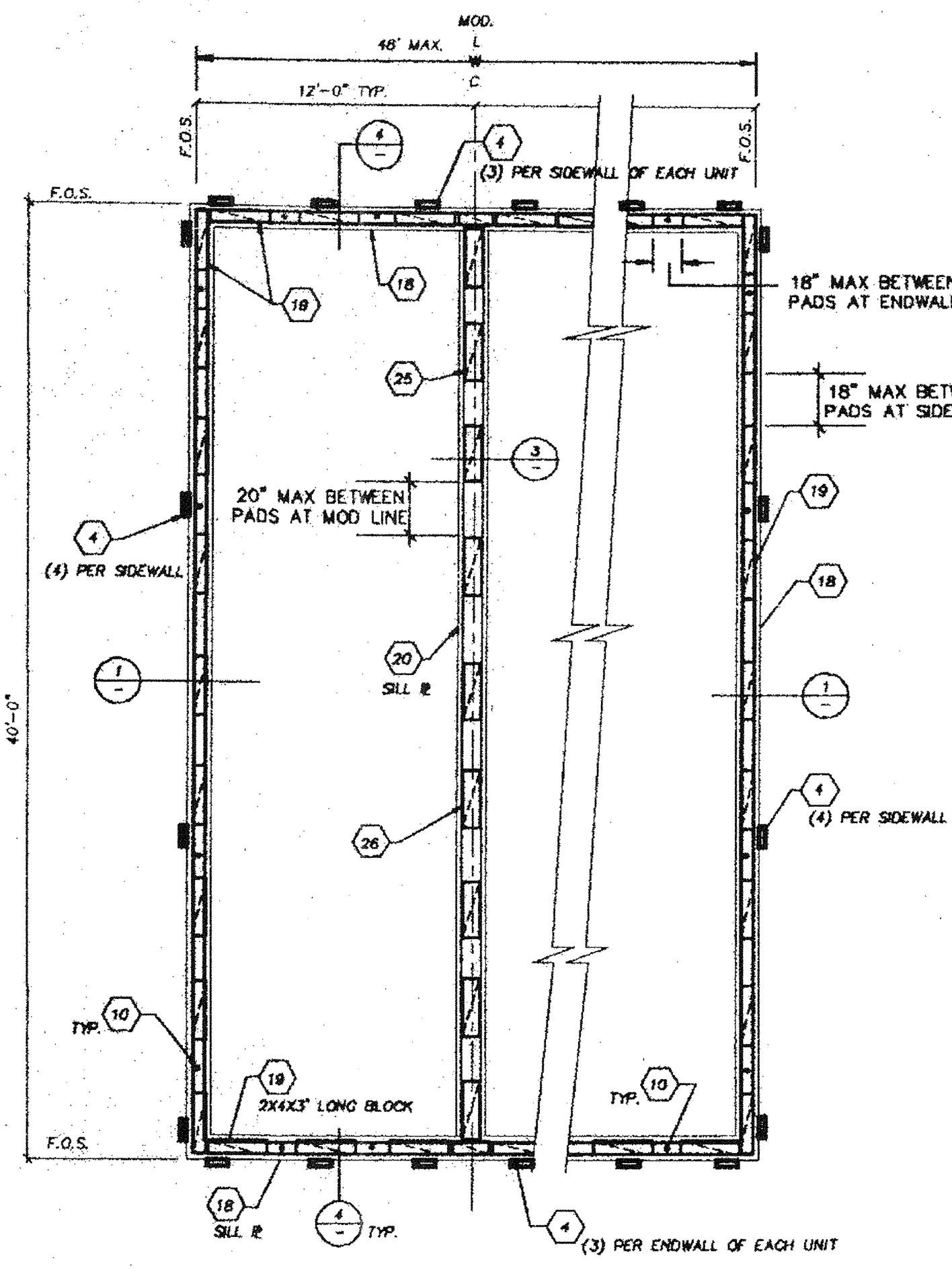
STATE AGENCY APPROVAL
 JUN 17 1997

JOB # 96-1310
 DATE 12/9/96
 DRAWN BY B.N.
 SCALE NONE
 APPROVED

STATE AGENCY APPROVAL
 APR 24 1997

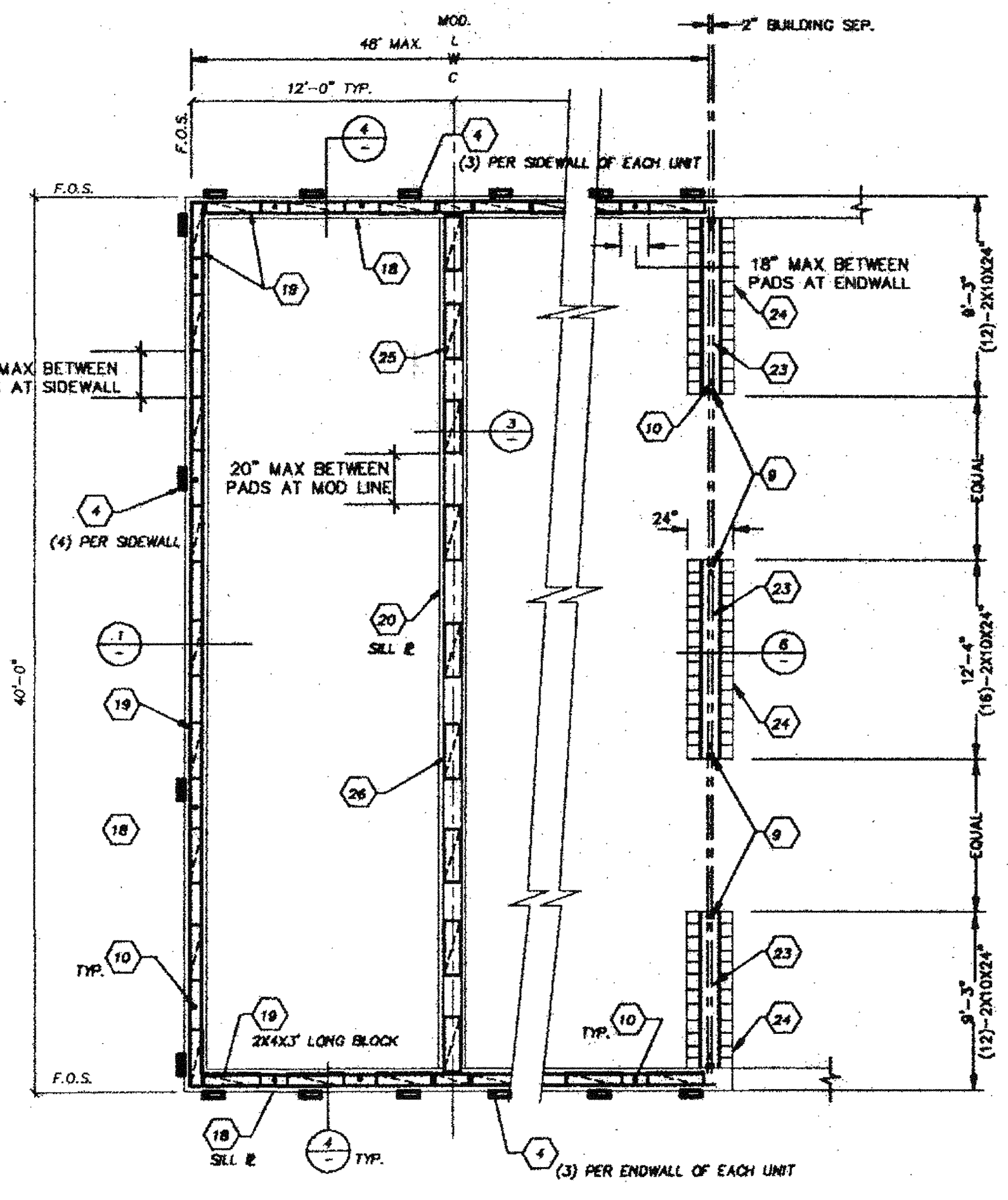
REVISIONS
 2/4/97
 4/25/97 MSI REV.

PLOT DATE: 04/28/97
 SHEET NO.
S-70



50 P.S.F. AND 50+20 P.S.F. FLOOR LIVE LOAD
SOIL PRESSURE: 1000 PSF

1 MULTI-WIDE FOUNDATION PLAN

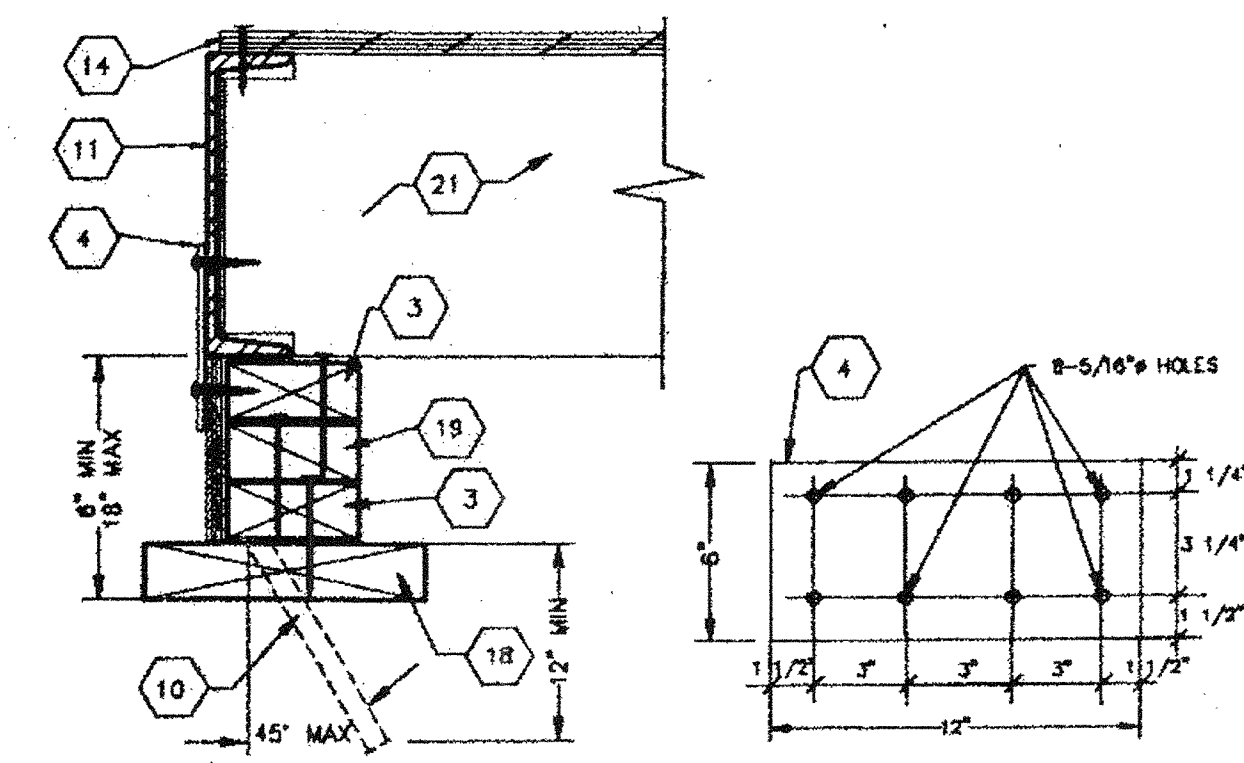


50 P.S.F. AND 50+20 P.S.F. FLOOR LIVE LOAD
SOIL PRESSURE: 1000 PSF

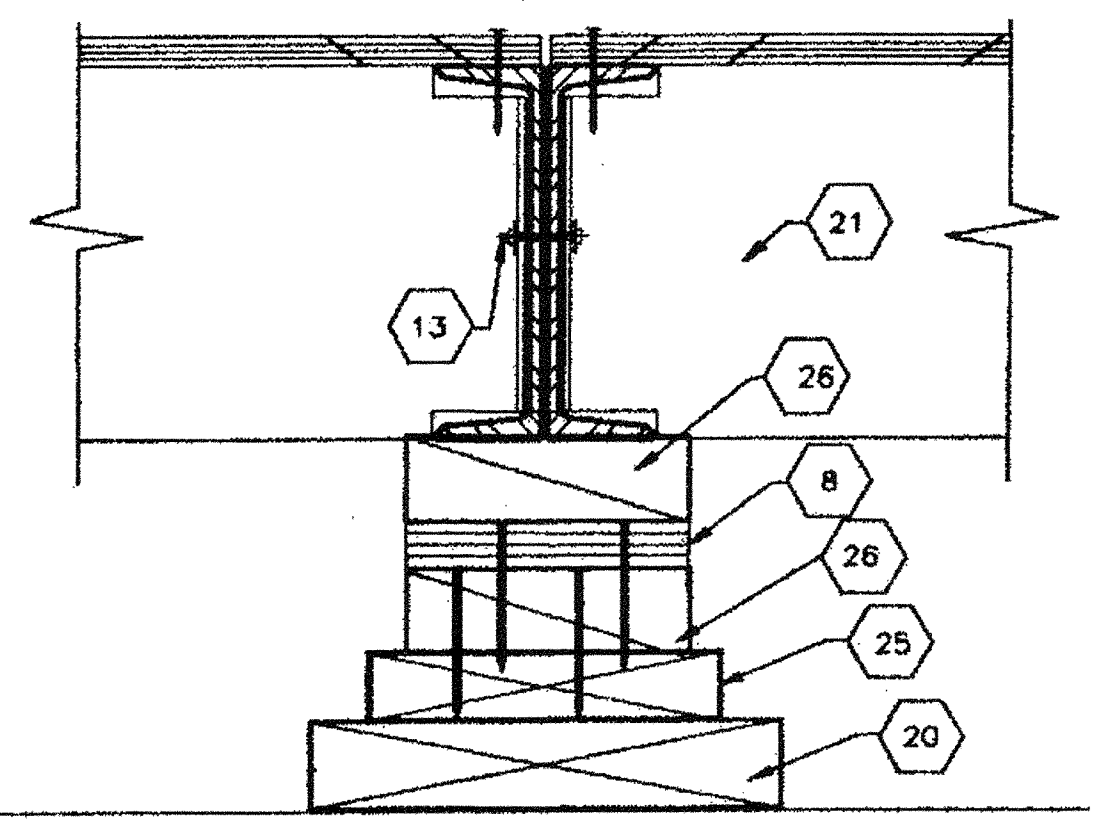
1 FOUNDATION PLAN @ ADJACENT BUILDING

KEYNOTES

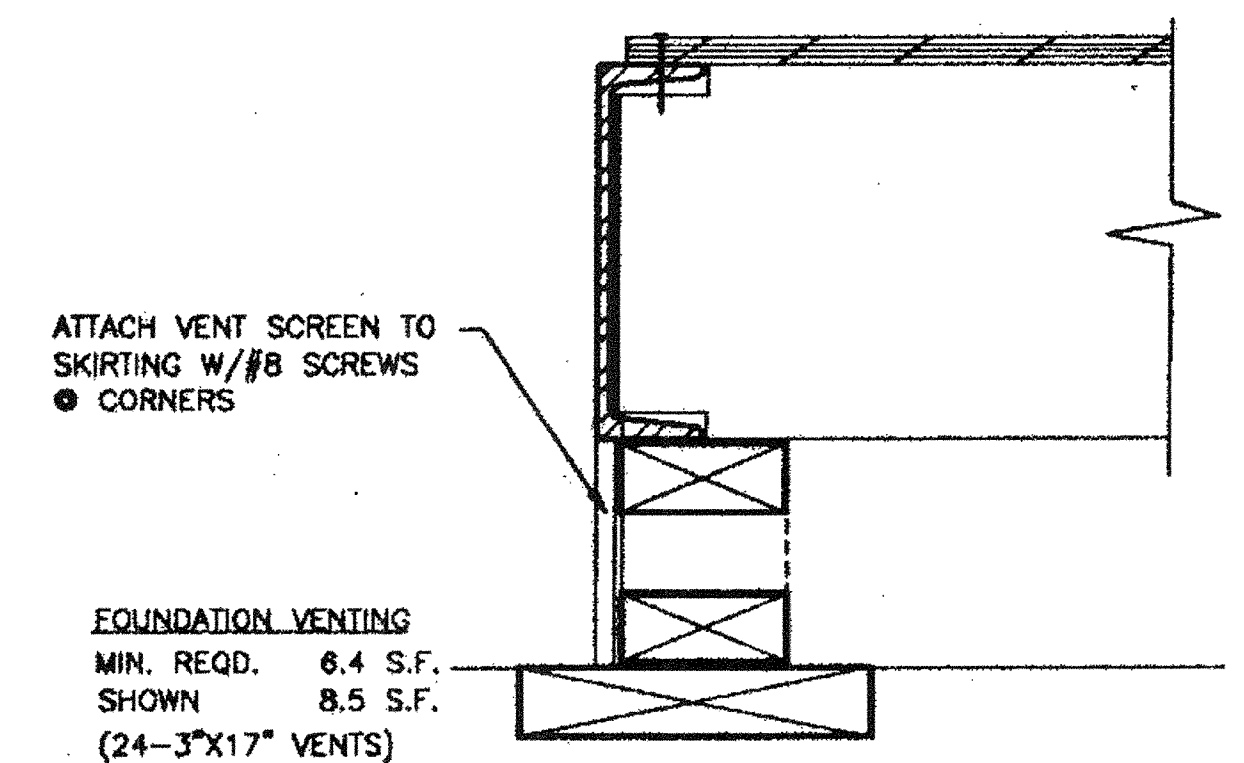
1. MAXIMUM SOIL BEARING PRESSURE - 1000 PSF.
2. ALL FOUNDATION LUMBER SHALL BE H.F. #2. ALL LUMBER IN CONTACT WITH GRADE SHALL BE STAMPED "FOR GRAD CONTACT". ALL FOUNDATION NAILS SHALL BE CORROSION RESISTANT PER U.L.C. STANDARD 25. 1717.
3. 2X CONTINUOUS, INTERNAL TO EACH PAD WITH 16d BOX NAILS @ 5" O.C. STAGGERED.
4. THE PLATE - 12"x6" X 10G. PLATE W/ (8) 5/16" HOLES AS SHOWN FOR (4) 1/4" X 3/4" LONG SELF TAP SCREWS INTO CHANNEL & (4) 1/4" X 3" LAG BOLTS.
5. 5/8" PLYWOOD PERIMETER SKIRTING, NAIL TO FOUNDATION PADS WITH 8d BOX NAILS @ 12" O.C. TOP AND BOTTOM.
6. NOT USED.
7. TAPERED SHIMS - NAIL TO FOUNDATION PADS WITH 16d BOX NAILS @ 12" O.C. NAIL 2X12 FOUNDATION PLATE TO TAPERED SHIMS WITH 16d BOX NAILS @ 12" O.C. STAGGERED ALONG EACH TAPERED SHIM.
8. PLYWOOD OR WOOD SHIM - MIN. 8" LONG, MAX. 16" BETWEEN SHIMS, NAIL TO PLATES WITH MIN. (3) 16d BOX NAILS PER SHIM MAX. 1-1/2" SHIM HEIGHT AT ANY LOCATION.
9. 1 1/16" HOLE IN PURLIN FOR 5/8" X 4" LAG BOLT AT 4'-0" O.C.
10. DRIVE 1" DIA. X 15" G.I. PIPE @ 10'-0" O.C. MAX. DRILL SILL PLATE 1-1/4" MAX. PIPE MAY BE DRIVEN AT MAX. 45 ANGLE TO VERTICAL.
11. STEEL FLOOR CHANNEL.
13. 5/8" MACHINE BOLT @ MODULE CONNECTION.
14. PLYWOOD FLOOR DECK, ATTACH PLYWOOD FLOORING TO STEEL CHANNEL WITH #10 X 1 1/2 S.T.S.
15. PLYWOOD STRIP - 3/4" X 3" X 8" PIECE W/ (2) #12 X 2-1/4" FLAT HEAD WOOD SCREWS EACH END.
17. NOT USED.
18. CONNECTIONS 2X10 P.T.H.F. SILL PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2X6 BLOCK LOCATION.
19. 2X6X 3'-0" LONG BLOCKS. NAIL BLOCKS TOGETHER WITH 16d BOX NAILS @ 4" O.C. AND (2) 16d NAILS AT EACH END.
20. CONTINUOUS 2X12 P.T.H.F. SILL PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2X8 BLOCK LOCATIONS.
21. FLOOR JOIST OR BLOCK BETWEEN FLOOR JOIST.
22. 2X8X CONTINUOUS, NAIL BLOCK TO SILL PLATE W/ 16d BOX NAILS AT 4" O.C. AND (2) 16d NAILS AT EACH END.
23. CONTINUOUS 2X12X(SEE PLAN), NAIL (2) 16d AT EACH END AND 12" O.C.
24. 2X10X24" LONG SILL PADS, P.T.H.F. (SEE PLANE FOR QUANTITY 10 AT ENDS & 12 AT INTERIOR)
25. CONTINUOUS 2X8 H.F. PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2X6 BLOCK LOCATIONS.
26. 2X6X3'-0" LONG BLOCKS. NAIL BLOCKS TOGETHER WITH 16d BOX NAILS @ 4" O.C. AND (2) 16d NAILS AT EACH END.



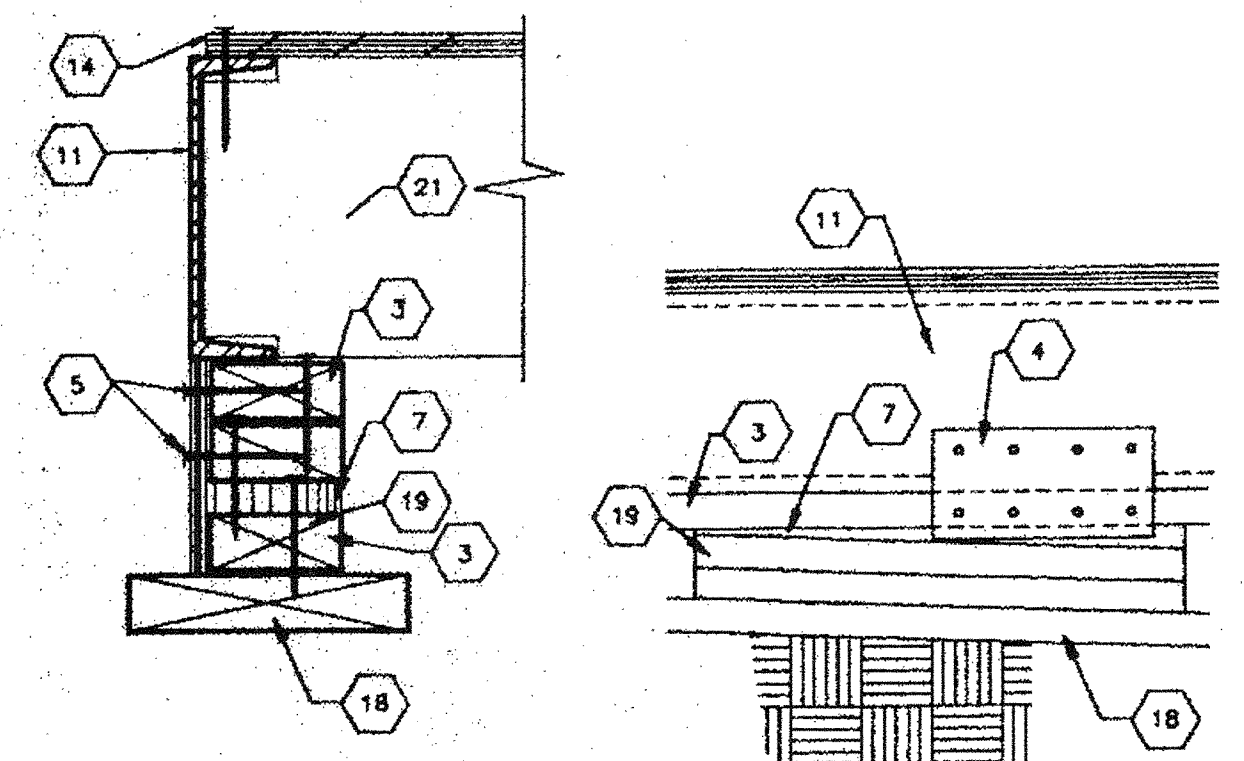
FOUNDATION AT SIDEWALL



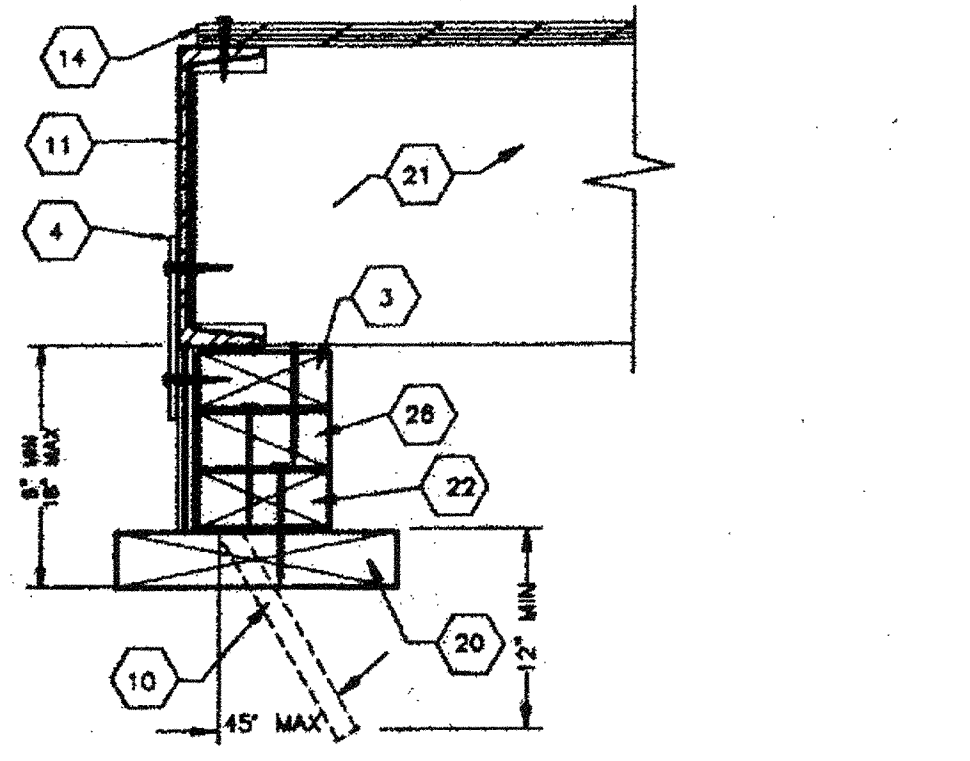
1 FOUNDATION AT MOD LINE



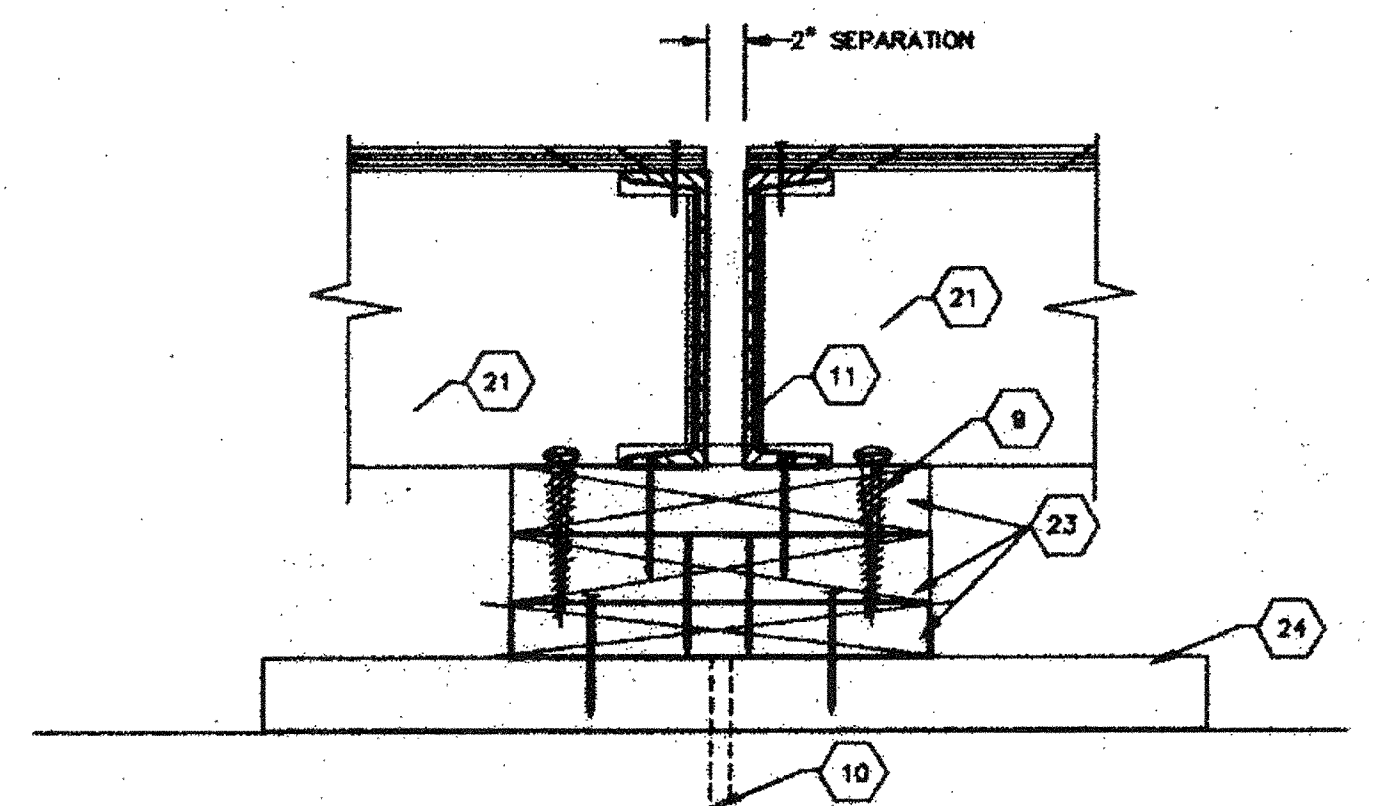
3 FOUNDATION VENTING



2 SHIMMING AND SKIRTING (SIDEWALL SHOWN)



2 FOUNDATION AT ENDWALL

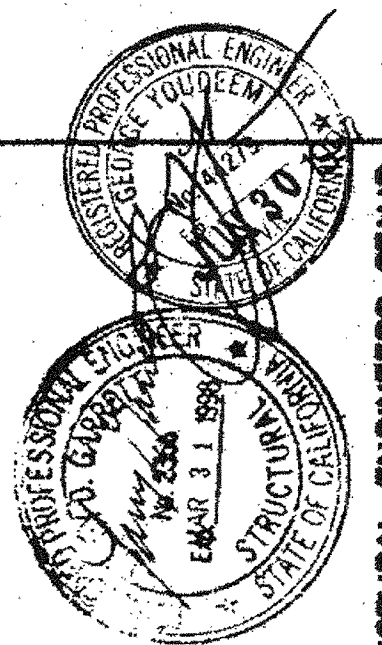


4 COMMON PAD

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MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
280 OTTAWA AVE. WILMINGTON, CALIFORNIA 92097
PHONE: (609) 748-3000 FAX: (609) 748-1633

PC-323



ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

STATE AGENCY APPROVAL

STATE AGENCY APPROVAL

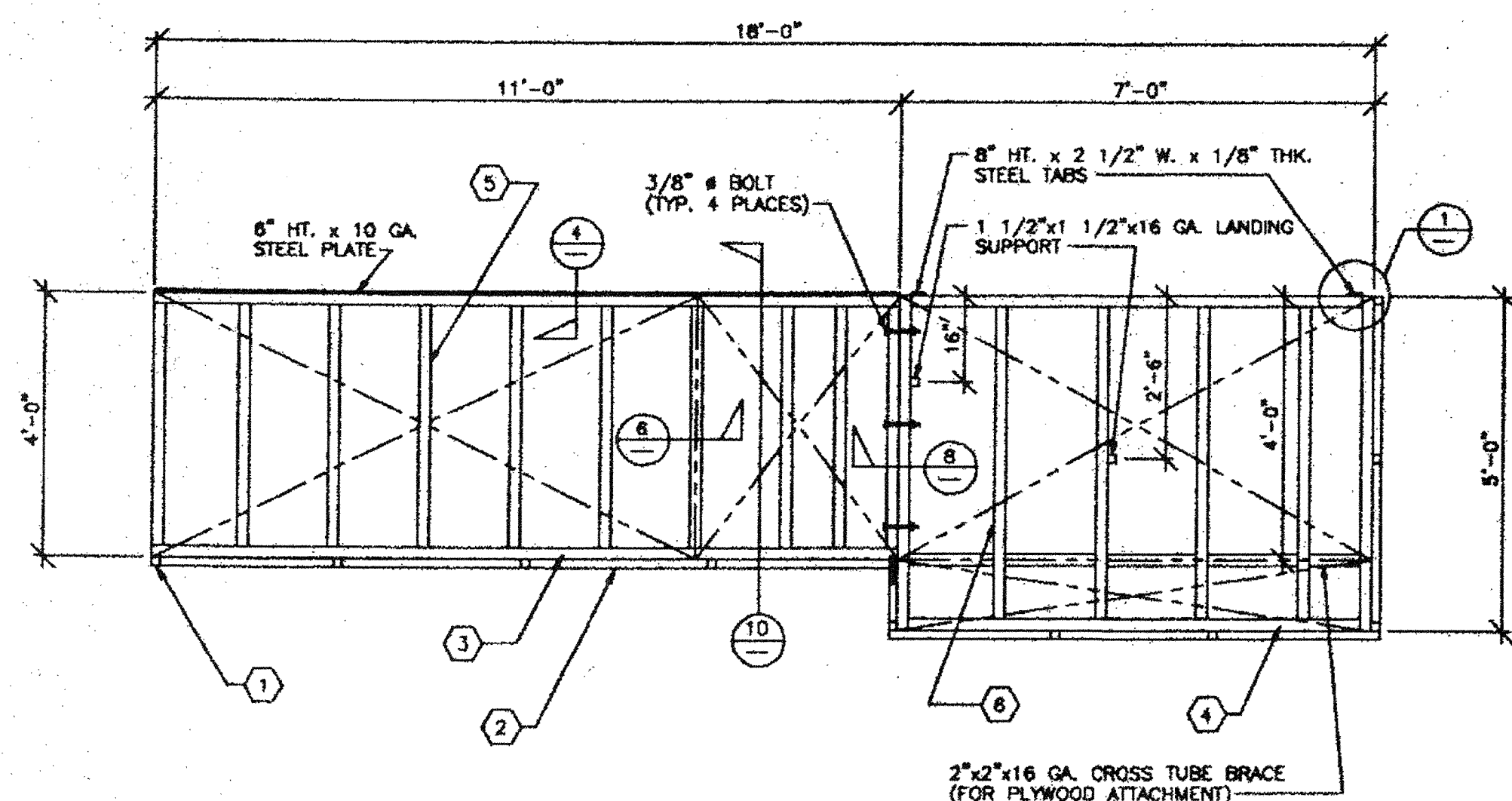
STATE AGENCY APPROVAL

STATE AGENCY APPROVAL

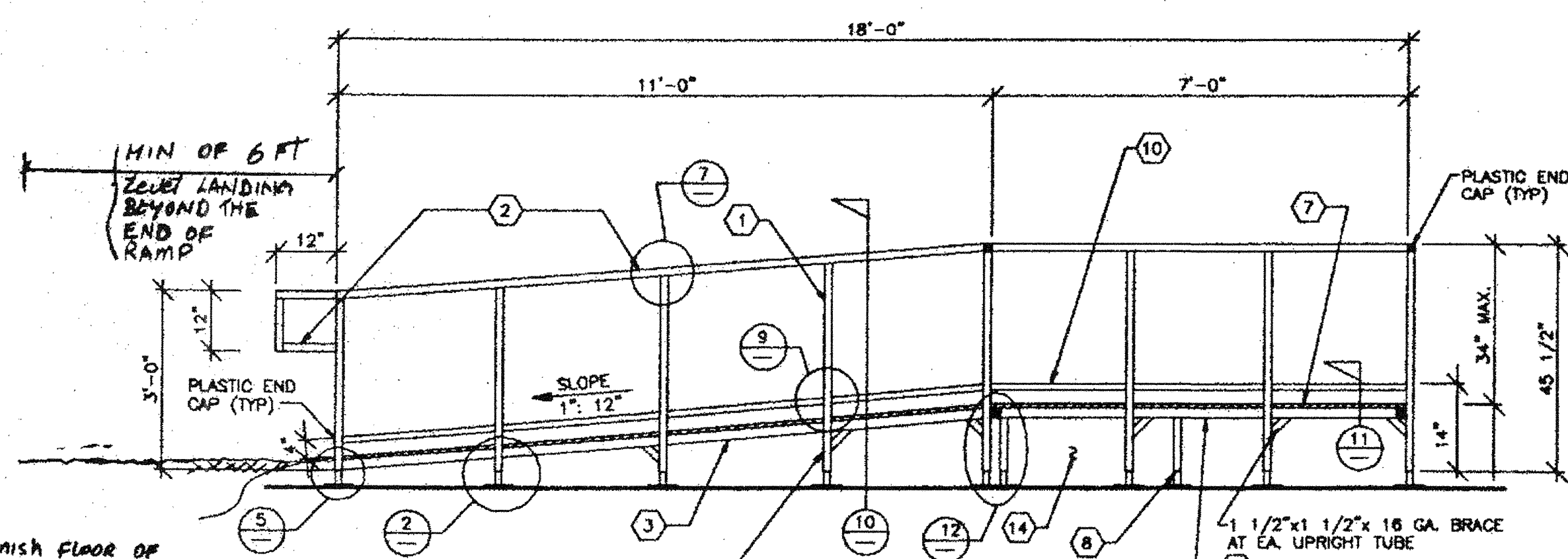
REGENCY ENGINEERING & CONSULTING GROUP
17165 VON KARMAN SUITE # 108
IRVINE, CA 92714-3989-3799
FAX: (714) 965-3795
A SUBSIDIARY OF REGENCY COMPANY, INC.

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING
TITLE
WOOD FOUNDATION

JOB #	96-1310
DATE	12/9/96
DRAWN BY	B.N.
SCALE	NONE
APPROVED	
REVISIONS	
Δ	4/1/97
Δ	4/25/97
PLOT DATE	04/28/97
SHEET NO.	F-1

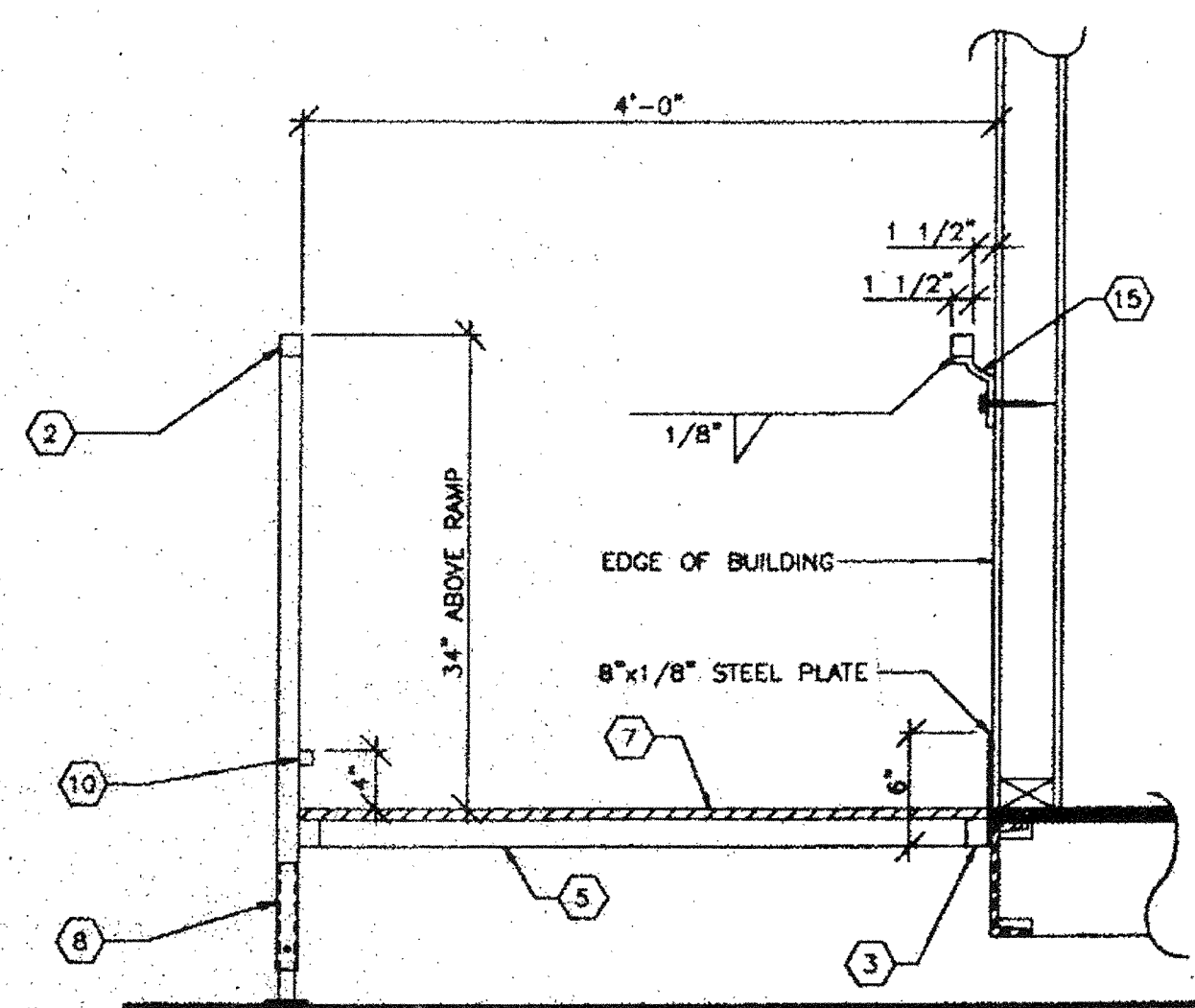


FRAMING PLAN
SCALE: 1/2" = 1'-0"

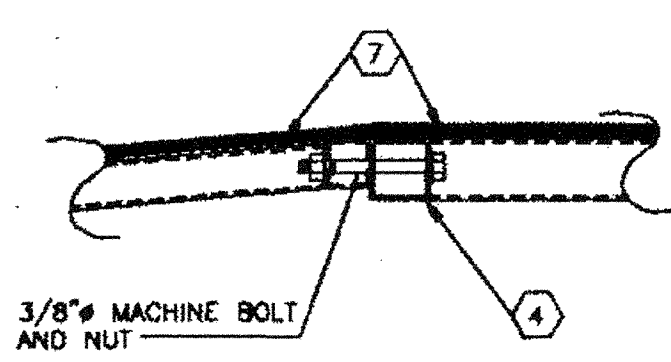


FRONT ELEVATION
SCALE: 1/2" = 1'-0"

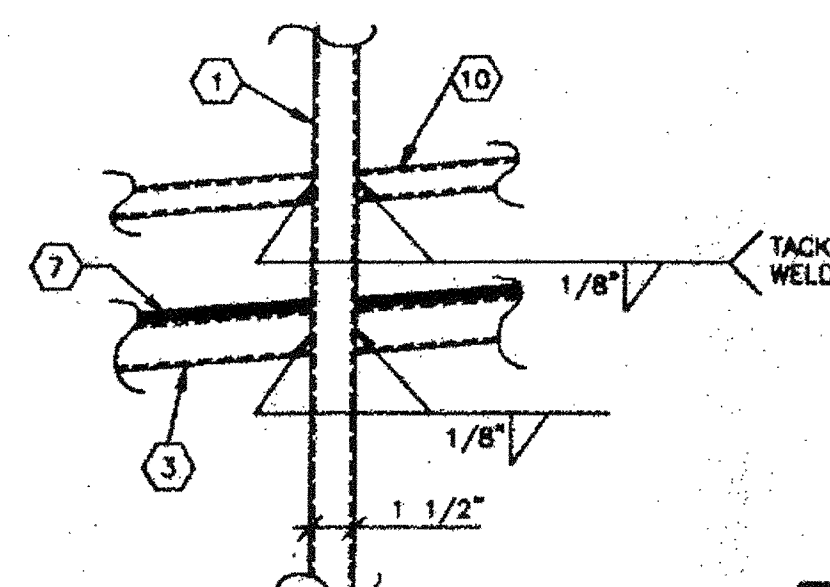
THE FINISH FLOOR OF RAMP MUST RISE FLAT SURFACE OF FINISH GRADE OF THE SITE SEE DETAIL 5 & DETAIL 3



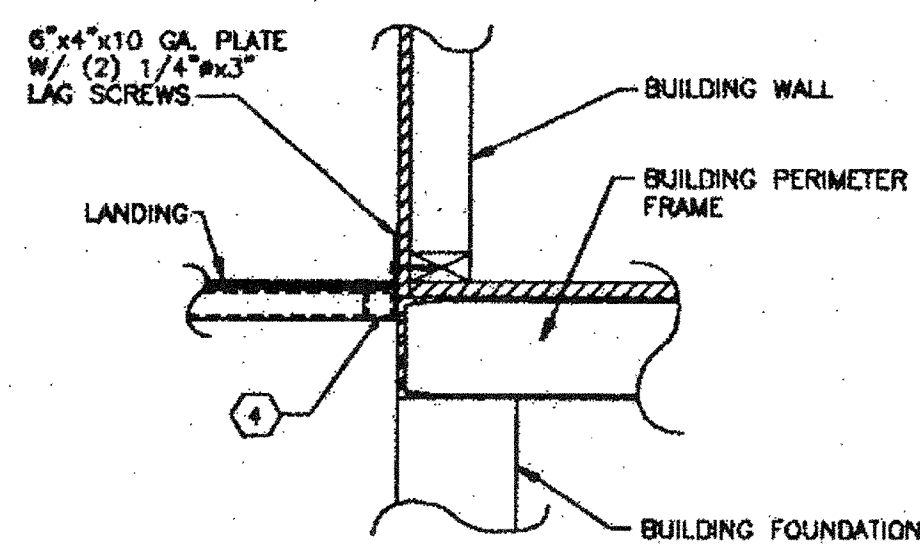
SECTION AT RAMP



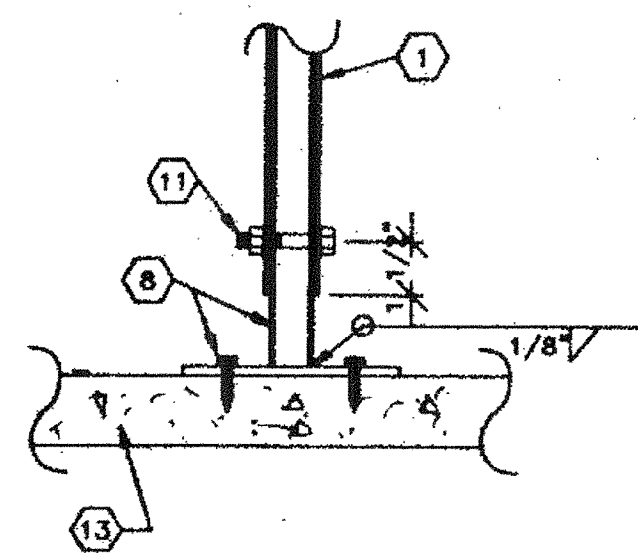
RAMP / LANDING TRANSITION



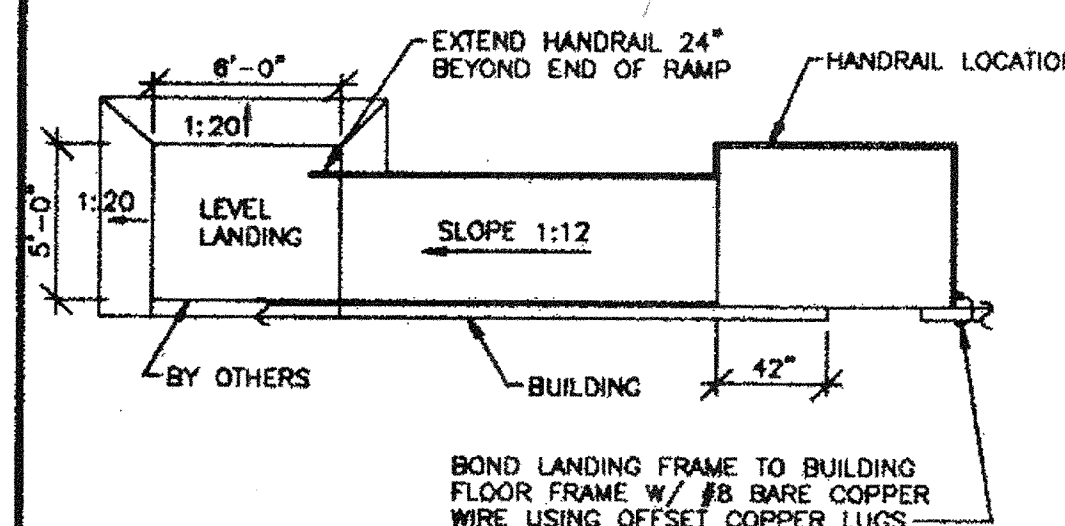
VERTICAL POST CONN.



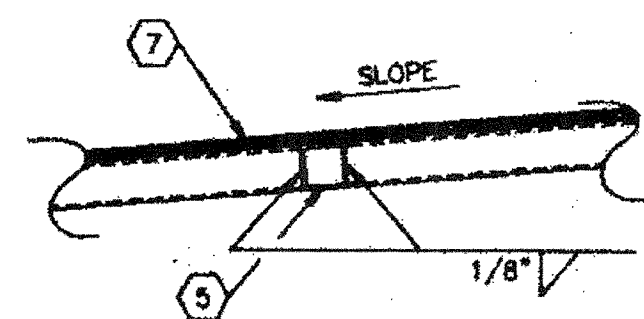
LANDING TO BUILDING



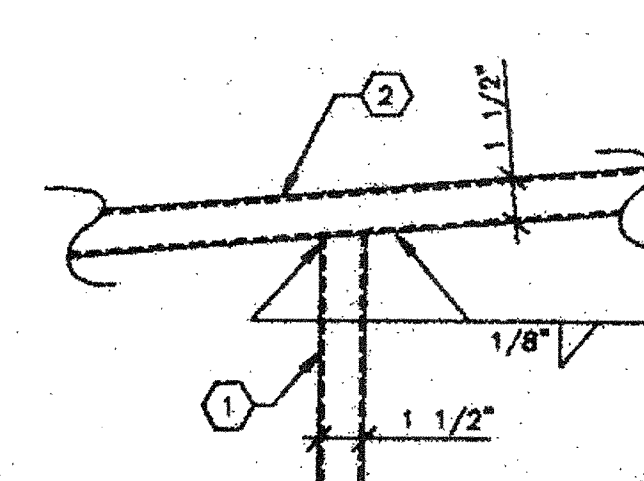
BASE



HANDRAIL LOCATIONS



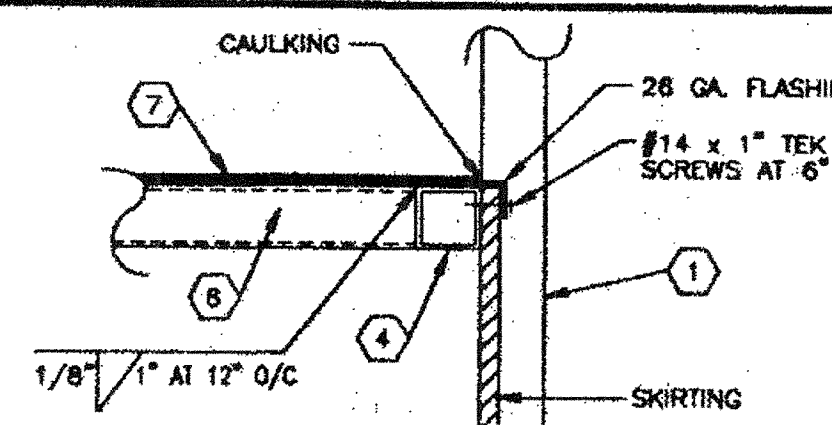
DECK & JOIST CONN.



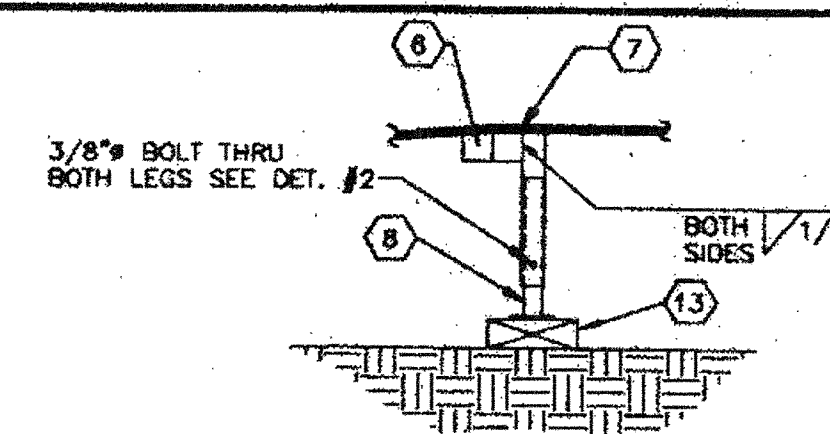
POST TO HANDRAIL

KEY NOTES

1. UPRIGHT TUBE - 1 1/2" x 1 1/2" x 12 GA. SQ. TUBE.
2. HANDRAIL TUBE - 1 1/2" x 1 1/2" x 16 GA. SQ. TUBE
3. RAMP PERIMETER TUBE - 1 1/2" x 1 1/2" x 16 GA. SQ. TUBE
4. LANDING PERIMETER TUBE - 2" x 2" x 16 GA. SQ. TUBE
5. RAMP CROSS TUBE - 1 1/2" x 1 1/2" x 16 GA. SQ. TUBE
6. LANDING CROSS TUBE - 2" x 2" x 16 GA. SQ. TUBE
7. 3/4" PLYWOOD DECK W/ NON SKID SURFACE (TUF TREAD OR EQUAL)
8. ADJUSTABLE LEGS - 1 1/4" x 1 1/4" 16 GA. SQ. TUBE W/ 3/8" x 1/4" THK. BASE PLATE WELDED TO LEG BASE PLATE TO HAVE (2) 5/16" HOLES FOR 1/4" LAG BOLTS.
9. SUPPORT PLATE - 1 1/4" x 1/8" THICK PLATE
10. WHEELCHAIR RAIL - 1" x 1" SQ. TUBE TACK WELDED TO UPRIGHT MEMBERS.
11. 3/8" DIA. MACHINE BOLTS.
12. 6"x10"x10GA. PLATE W/ (2) 1/4"x3" LAG SCREWS.
13. CONT. SILL PLATE 2x6 P.T.H.F.
14. SKIRTING - SAME AS BUILDING FINISH
15. HANDRAIL MOUNTING BRACKET W/ 3/8" x 4" LAG BOLT TO STUD OR BLOCK.
16. DRIVE 1" DIA. x 15" G.I. PIPE AT 10'-0" MAX. DRILL SILL PLATE 1 1/2" DIA. MAX. HOLE. PIPE MAY BE DRIVEN AT A MAX. OF 45° ANGLE W/ VERTICAL.
17. THE STRENGTH OF STEEL TUBES IS 46000 PSI OR HIGHER.

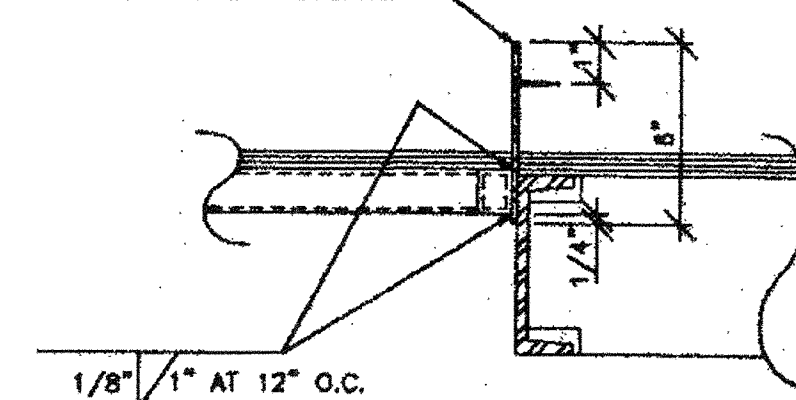


SKIRT FLASHING



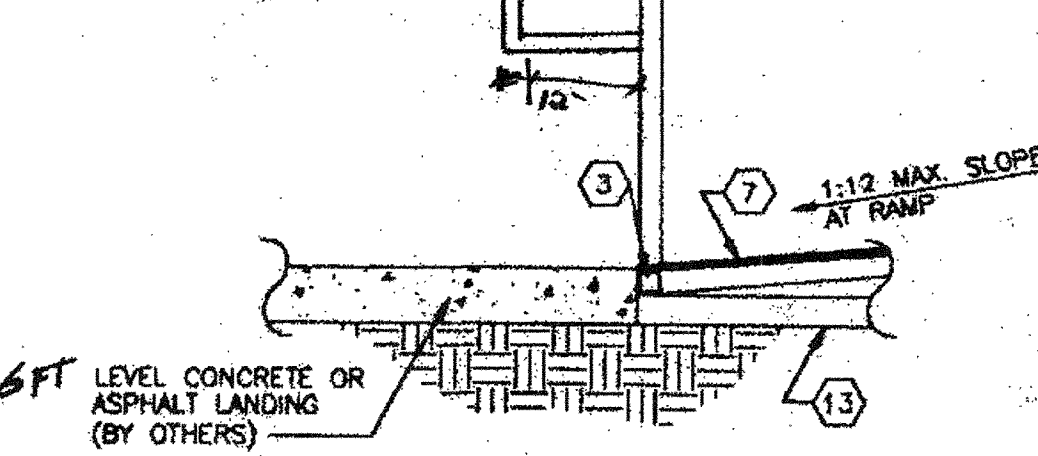
BASE LEG

6"x10 GA. PLATE W/ 3/8"x3" LAG SCREWS AT 9" O.C INTO STRUCTURAL WOOD MEMBERS OR #14x1 1/2" SELF TAP SCREWS AT 12" O.C INTO STRUCTURAL STEEL MEMBERS.



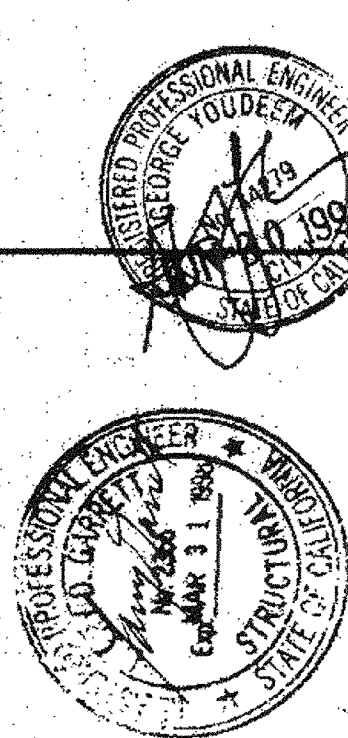
RAMP TO BUILDING

NOTE: RAMP TERMINATES 3 1/8" ABOVE GRADE. TRANSITION FROM END OF RAMP BY DISTRICT.

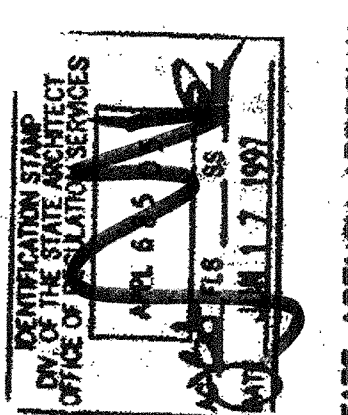


CONC. LANDING TO RAMP

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JUN 20 2016



PC-323
APR 29 1997

MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
600 GRIFFIN AVE. REDWOOD CITY, CALIFORNIA 94067
PHONE: (415) 708-2000 FAX: (415) 708-1883

ARCHITECT APPROVAL
STRUCTURAL ENGINEERS STAMP
REGENCY ENGINEERING & CONSULTING GROUP
17066 VON KARMAN, SUITE # 108
IRVINE, CA 92714
TEL: (714) 953-3766
FAX: (714) 953-5100
A SUBSIDIARY OF REGISTRY COMPANY, INC.

STATE AGENCY APPROVAL
PROJECT: 24' X 40', 36' X 40', & 48' X 40' MODULAR CLASSROOM BUILDING
TITLE: RAMP & LANDING PLANS & DETAILS

JOB #	96-1310
DATE	12/9/96
DRAWN BY	B.N.
SCALE	NONE
APPROVED	
REVISIONS	

SHEET NO.
R-3

PC-323