4 RELOCATABLE CLASSROOMS
& 2 REPLACEMENT RELOCATABLE CLASSROOMS
FRANKLIN ELEMENTARY SCHOOL
BAKERSFIELD CITY SCHOOL DISTRICT
2400 TRUXTUN AVENUE
BAKERSFIELD, CA 93301

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

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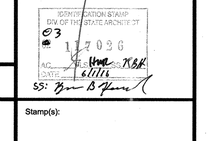
Revision:	Revision Description:	Rev. Date:	Revision:	Revision Description:	Rev. Date:

Sheet Title: TITLE SHEET

Project Name & Address: 4 RELOCATABLE CLASSROOMS & 2 REPLACEMENT RELOCATABLE CLASSROOMS FRANKLIN ELEMENTARY SCHOOL BAKERSFIELD CITY SCHOOL DISTRICT 2400 TRUXTUN AVENUE BAKERSFIELD, CA 93301

Issue Date:	Designer:	DR:	PC:
10/31/14	--	--	CJH
Date: 05/13/16			

Agency Approval Stamp:



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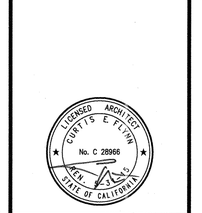


Job No.: 5142

Sheet No.: T1.01

Release: -

SCOPE OF WORK

- RELOCATION OF (4) PORTABLE CLASSROOM BUILDINGS AND METAL RAMPS AND REPLACE (2) EXISTING PORTABLE CLASSROMS AND CONSTRUCTION OF UTILITY SERVICES ON AN EXISTING ELEMENTARY SCHOOL CAMPUS.
- CONSTRUCTION OF WOOD FOUNDATIONS FOR (4) PORTABLE BUILDINGS

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS
2. 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.
3. REFER TO RELOCATABLE BUILDING MANUFACTURER'S DRAWINGS FOR ALL INFORMATION REGARDING THE RELOCATABLE BUILDINGS

ABBREVIATIONS

ABOVE	ABV						
ABOVE FINISHED FLOOR	A.F.F.	EACH	EA.	LAMINATE	LAM.	SANITARY NAPKIN DISPENSER	S.N.D.
ACCESSIBLE	A.C.C.	ELECTRIC	ELEC.	LAVATORY	LAV.	SANITARY NAPKIN RECEPTACLE	S.N.R.
ACOUSTICAL	ACOUST.,ACT.	ELECTRIC DRINKING FOUNTAIN	E.D.F.	LEFT HAND	L.H.	SCHEDULE	SCH.
ADJACENT	ADJ	ELEVATION	ELEV.,EL.	LINOLEUM	LINO.	SEAT COVER DISPENSER	S.C.D.
ADJUSTABLE	ADJUST.	EQUAL	EQ.	LONG	LG.	SECTION	SECT.
AIR CONDITIONING	A/C	EQUIPMENT	EQUIP.			SHEATHING	SHTG.
ALUMINUM	ALUM.,AL.	ESTIMATE	EST.	MACHINE BOLT	M.B.	SHEET	SHT.
ANCHOR BOLT	AB.	EXHAUST	EXH.	MACHINE SCREW	M.S.	SHEET METAL	S.M.
BENT ANCHOR BOLT	BAB.	EXHAUST FAN	E.F.	MANUFACTURER	MFGR.	SHEET METAL & AIR CONDITIONING CONTRACTOR NATIONAL ASSOCIATION	SMACNA
ANODIZED	ANOD.	EXISTING	(E)	MATERIAL	MAT.,MATL.	SHEET METAL SCREWS	S.M.S.
ARCHITECTURAL	ARCH.	EXPANSION	EXP.	MAXIMUM	MAX.	SHELVES	SH.
ASPHALT CONCRETE	A.C.	EXPANSION JOINT	E.J.	MECHANICAL	MECH.	SIMILAR	SIM.,SIM
		EXTERIOR	EXT.	MEDIUM	MED.	SINK	S.
BACKBOARD	BACKBRD.			MEMBRANE	MBNE.	SOAP DISPENSER	S.D.
BEAM	BM	FABRIC WALL COVERING	F.W.C.	METAL	MTL.	SPECIFICATION	SPEC.
BENCH MARK	B.M.	FACE OF BLOCK	F.O.B.	METAL PLANAR CEILING	M.P.C.	SPLASH	SPL.
BETWEEN	BTWN.	FACE OF CONCRETE	F.O.C.	METAL TOILET PARTITION	M.T.P.	SPLASH BLOCK	S.B.
BLOCK	BLK.	FACE OF STUD	F.O.S.	MILLIMETER	MILL.	SQUARE	SQ.
BOTTOM	BTM.,BTTM.	FACE OF WALL	F.O.W.	MINIMUM	MIN.	STAINLESS STEEL	S.S.
BUILDING	BLDG.	FACTORY FINISH	F.F.	MISCELLANEOUS	MISC.	STANDARD	STD.
		FEET/FOOT	FT.	MULLION	MULL.	STEEL	STL.
CABINET	CAB.	FEMININE NAPKIN DISPOSAL	F.N.D.			STORAGE	STOR.
CADMIUM	CAD.	FIBER GLASS	F.G.,FIBERGL.	NOT IN CONTRACT	N.I.C.	STIFFENER	STIFF.
CARPET	CPT.	FINISH	FIN.	NOT TO SCALE	N.T.S.	STRUCTURAL	STRUCT.,ST.
CARRIAGE BOLT	C.B.	FIRE EXTINGUISHER CABINET	F.E.C.	NUMBER	NO.,#	SUSPENDED	SUSP.
CAST IRON	C.I.	FIRE RATED GYP. BD.	F.R.G.B.			SUSPENDED ACOUSTIC CEILING TILE	S.A.T.C.
CEILING	CLG.,CEIL'G.	FIXED GLASS	F.G.	OPPOSITE HAND	O.H.	SWITCH	SW.
CEILING DIFFUSER	C.D.	FLAT HEAD	F.H.	OPPOSITE	OPP.		
CEILING GRILLE	C.G.	FLOOR	FLR.	ON CENTER	O.C.	TELEPHONE	TEL.,TELE.
CEILING REGISTER	C.R.	FLOOR DRAIN	F.D.	OPENING	OPG.	THICK	THK.
CEMENT	CEM.	FLUORESCENT	FLUOR.	OUTSIDE DIAMETER/DIMENSION	O.D.	THRESHOLD	THR.
CENTERLINE	C.L.	FOOTING	FTG.	OVAL HEAD	O.H.	TOILET PAPER	T.P.
CERAMIC TILE	C.T.	FOUNDATION	FDN.	OVER (ON)	O/	TOILET PAPER HOLDER	T.P.H.
CIRCUIT	CRT.	FRAMING	FRM'G.	OVERFLOW	OVFL.	TOLERANCE	TOL.
CLEANOUT	C.O.			OVERHAND	OH.	TRANSFORMER	TRANS.
CLEAR	CLR.	GAGE/GAUGE	GA.			TYPICAL	TYP.
COLD WATER	C.W.	GALVANIZE	GALV.	PAINT	PT.		
COLUMN	COL.	GALVANIZED IRON	G.I.	PAIR	PR.	UNDERWRITERS LABORATORY	U.L.
COMBINATION/COMBUSTION	COMB.	GLASS	GL.	PAPER TOWEL DISPENSER	P.T.D.	UNLESS OTHERWISE NOTED	U.O.N.
COMPOSITION, COMPOSITE	COMP.	GRAB BAR	G.B.	PLASTIC	PLAS.	URINAL	UR.
CONCRETE	CONC.	GRADE	GR.	PLATE	PL.		
CONCRETE MASONRY UNIT	C.M.U.	GROUND	GND.	PLATED	PLTD.	VENTILATE/VENTILATION	VENT.
CONDITION	COND.	GYPSUM	GYP.	PLUMBING	PLBG.	VENT THROUGH ROOF	V.T.R.
CONNECTION	CONN.	GYPSUM BOARD	G.B.,GYP.BD.	PLYWOOD	PLYWD.	VERIFY IN FIELD	V.I.F.
CONSTRUCTION	CONST.			POINT	PT.	VERTICAL	VERT.
CONSTRUCTION JOINT	C.J.	HARDWARE	HDW,HDWR.	POINT OF CONNECTION	P.O.C.	VINYL COMPOSITION TILE	V.C.T.
CONTINUOUS	CONT.	HEAD	HD.	POUND	LB.,#	VINYL WALL COVERING	V.W.C.
CONTRACTOR	CONTR.	HEADER	HDR.	POUND PER SQ. FOOT	P.S.F.	VOLUME	VOL.
COORDINATE	COORD.	HEIGHT	HT.,H.	POUND PER SQ. INCH	P.S.I.		
COUNTERSINK	CSK.	HOLLOW METAL	H.M.	QUARTER	QTR.	WATER CLOSET	W.C.
		HORIZONTAL	HORIZ.			WATER PROOF	W.P.
DEPARTMENT	DEPT.	HOT WATER	H.W.	RADIUS	R.,RAD.	WATER RESISTANT	W.R.
DEPTH, DEEP	D.	HOSE BIBB	H.B.	RAINWATER LEADER	R.W.L.	WIDTH	W.
DETAIL	DET.,DTL.			RECEPTACLE	RECEPT.	WIRE GLASS	W.GL.
DIAGONAL	DIAG.			REFLECTED	REFL'D.	WITH	W/
DIAMETER	DIA.	INCH	IN.	REFRIGERATOR	REF.	WITHOUT	W/O
DIMENSION	DIM.	INSIDE DIAMETER/DIMENSION	I.D.	REINFORCING	REINF.	WOOD	WD.
DISPENSER/DISPOSAL	DISP.	INSULATION	INSUL.	REMOVABLE	REMOV.	WOOD SCREWS	W.S.
DIVISION	DIV.	INTERIOR	INT.	REQUIRED	REQ'D.		
DOOR	DR.			RESILIENT	RES.		
DOUBLE	DBL	JAMB	JB.	REVISE, REVISION	REV.		
DOWN	DN.	JOINT	JT.	RIGHT HAND	R.H.		
DOWNSPOUT	D.S.			ROOF DRAIN	R.D.		
DRAWING	DRWG.			RUBBER TOPSET BASE	R.T.B.		
DRINKING FOUNTAIN	D.F.						

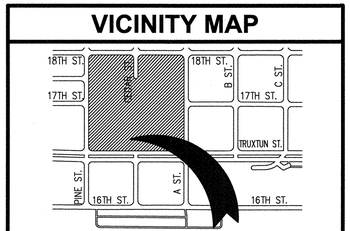
SHEET INDEX

SHT. NO.	DESCRIPTION
	GENERAL
T1.01	TITLE SHEET
	ARCHITECTURAL
A1.01	SITE PLAN
A1.02	ENLARGED SITE PLAN
A1.03	SITE DETAILS
A2.01	ENLARGED RESTROOM PLANS
A7.01	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 # 04-101527 - 24'x40' RELOCATABLE BUILDING BY "MODTECH INC." (PC-270)
A.0	TITLE SHEET
A1.0	FLOOR PLAN
A2.0	ROOF PLAN
A3.0	EXTERIOR ELEVATIONS
A4.0	INTERIOR ELEVATIONS
A5.0	SCHEDULES SHEET
A6.0	ARCHITECTURAL DETAILS (WOOD STUDS)
A6.1	ARCHITECTURAL DETAILS (WOOD STUDS)
A7.0	REFLECTED CEILING PLAN
A7.1	REFLECTED CEILING DETAILS
F1.0	FOUNDATION PLAN
F2.0	FOUNDATION DETAILS (WOOD)
S1.0	FLOOR FRAMING PLAN
S1.2	FLOOR FRAMING DETAILS (TYPICAL)
S2.0	ROOF FRAMING PLAN
S2.1	ROOF FRAMING DETAILS (TYPICAL)
S3.0	STRUCTURAL ELEVATIONS & DETAILS
S4.0	WALL FRAMING
S5.0	WALL FRAMING DETAILS
S5.1	WALL FRAMING DETAILS
M1.0	MECHANICAL (HVAC) PLAN
E1.0	ELECTRICAL PLAN
R1.0	RAMP / LANDING PLAN
R2.0	RAMP / STAIRS DETAILS

SHEET INDEX

SHT. NO.	DESCRIPTION
	STOCKPILE # 04-104946 - 24'x40' RELOCATABLE BUILDING BY "MODTECH INC." (STKP-131)
A0.01	COVER SHEET
A1.01	FLOOR PLAN
A3.01	EXTERIOR ELEVATIONS
F1.0	FOUNDATION PLAN (PC# 04-112161)
F2.0	FOUNDATION DETAILS (PC# 04-112161)
S3.01	STRUCTURAL FRAMING
E1.01	ELECTRICAL PLAN
R1.01	RAMP / LANDING
R1.02	RAMP / LANDING DETAILS
	STOCKPILE # 04-105455 - 24'x40' RELOCATABLE BUILDING BY "MODTECH INC." (STKP-76)
A.0	COVER SHEET
A1.1	FLOOR PLAN
A4.01	EXTERIOR ELEVATIONS
F1.01	FOUNDATION PLAN
F2.01	FOUNDATION DETAILS
S1.2	STRUCTURAL FRAMING
E1.03	ELECTRICAL PLAN
R1.02	RAMP / LANDING DETAILS
R5.01	RAMP / LANDING

VICINITY MAP



BAKERSFIELD CITY SCHOOL DISTRICT
FRANKLIN ELEMENTARY SCHOOL
2400 TRUXTUN AVENUE
BAKERSFIELD, CA 93301

BUILDING DATA

OCCUPANCY = E
TYPE OF CONSTRUCTION = VB (NON-SPRINKLERED)

TEMP CLASSROOMS

4 (N) CLASSROOMS @ 960 S.F. (24'x40') EA. = 3,840 S.F.

TOTAL = 3,840 S.F.

PER 2013 C.B.C. TABLE 503:
ALLOWABLE AREA = 9,500 S.F.

3,840 PROPOSED < 9,500 ALLOWABLE = OK

2 (W) CLASSROOMS @ 960 = 1920
2 (E) CLASSROOMS @ 1440 = 2880
1 (E) RESTROOM @ 480 = 480
5,280 < 9500 Allowable 5280

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 — DATE 8/12/16

NAME, TITLE, AFFILIATION
CURTIS E. FLYNN, ARCHITECT, INTEGRATED DESIGNS BY SOMAM, INC.

C-28966 — LICENSED NUMBER

05-31-15 — EXPIRATION DATE

SYMBOLS

SECTION KEY
SECTION IDENTIFICATION
SHEET NUMBER

DETAIL KEY
DETAIL NUMBER
SHEET NUMBER

INTERIOR ELEVATION KEY
ELEVATION DIRECTION
ELEVATION IDENTIFICATION
SHEET NUMBER

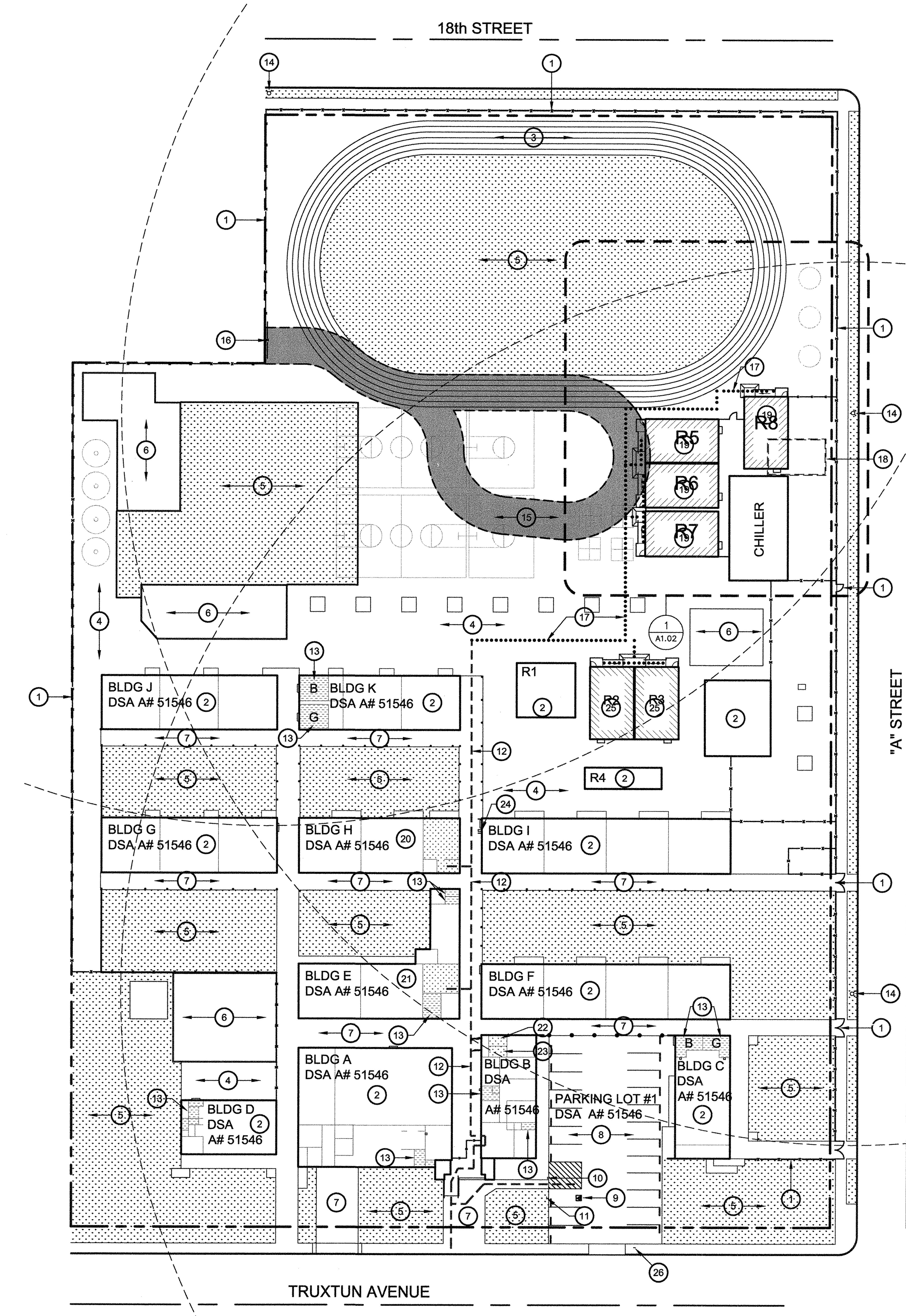
ELEVATION DATUM
INDICATES HEIGHT IN RELATION TO 0'-0"

ROOM NUMBER / FINISH TAG
ROOM NAME
ROOM NUMBER

WINDOW SCHEDULE KEY

KEYNOTE SCHEDULE KEY

DOOR SCHEDULE KEY



ACCESSIBILITY NOTE

"Path of travel (P.O.T.) as indicated is a barrier free access without any abrupt vertical changes exceeding ½" at 1:2 Maximum slope, except that level changes do not exceed ¼" vertical(11B-303 & 11B-403.4). P.O.T. is a minimum of *48" wide* (11B-403.5.1Ex3) slip resistant surface with *5% max.* slope and *1:48 max.* cross slope(11B-403.3). *Passing spaces*(11B-403.5.3) of 60"x60" min. are located not more than *200'* apart. Walks with continuous gradients have *60" in length of level areas* (11B-403.7) not more than *400'* apart. P.O.T. shall be maintained free of overhanging obstructions to 80" min(11B-307.4) and *protruding objects*(11B-307) greater than 4" projection from wall above 27" and less than 80". There is no drop-off over 4" at the edge of walk or landing unless identified by a guard, a handrail, or a warning curb at least 6" in height above the walk(11B-303.5). Architect and contractor shall verify that all barriers on the indicated path of travel have been removed."

OVERALL SITE PLAN

FRANKLIN ELEMENTARY SCHOOL

SCALE: 1" = 40'

FLOOD ZONE INFO

FLOOD ZONE DESIGNATION:	ZONE X (0.2%)
F.I.R.M. PANEL DESIGNATION:	06029C2282E
EFFECTIVE DATE OF F.I.R.M:	09 / 26 / 2008
BASE FLOOD ELEVATION (BFE):	~400 FT.
COMMUNITY ORDINANCE SECTION:	BMC 15.74.040

PARKING CALCULATION

PARKING LOT #1, APP# 51546

TOTAL STALLS PROVIDED:	22
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

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS PRIOR TO BID. IF ANY DISCREPANCIES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED IN WRITING.

B. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF LAYOUTS AND ESTABLISHED LOCATIONS OF BURIED UTILITY LINES. ANY UTILITIES REQUIRING RELOCATION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR CONTACT APPLICABLE GOVERNING AGENCIES REGARDING ARRANGEMENT AND COORDINATION OF WORK.

C. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY COMPACTION RETEST DUE TO INITIAL FAILURE.

D. PROJECT INSPECTOR SHALL BE EMPLOYED BY THE OWNER, APPROVED BY THE RESPONSIBLE ARCHITECT AND DSA.

E. A COPY OF TITLE-24, ALL PARTS APPLICABLE, TO BE KEPT AT THE JOB SITE AT ALL TIMES.

F. ADDENDA SHALL BE SIGNED BY THE ARCHITECT (RESPONSIBLE IN CHARGE) AND APPROVED BY DSA.

G. C.C.D.s SHALL BE SIGNED BY THE ARCHITECT (RESPONSIBLE IN CHARGE), OWNER AND APPROVED BY DSA.

H. TESTING LAB SHALL BE EMPLOYED BY THE OWNER, APPROVED BY THE RESPONSIBLE ARCHITECT AND DSA.

I. ALL WORK SURFACES DISTURBED OR DAMAGED BY THE CONSTRUCTION ACTIVITIES SHALL BE REPAIRED IN KIND, TEXTURED AND FINISHED TO MATCH ADJACENT SURFACES.

J. NEW CONCRETE WALKS SHALL HAVE SLOPES NOT TO EXCEED 1 IN 20 IN THE DIRECTION OF PATH OF TRAVEL. PROVIDE CONTROL JOINTS ("C.J.")AT 5'-0" o.c. MAX. AND EXPANSION JOINTS NOT TO EXCEED 30'-0" MAX. PROVIDE MEDIUM BROOM FINISH ON ALL WALKS.

K. ALL BUILDING AND ROOM NAMES INDICATED ON THESE CONSTRUCTION DOCUMENTS ARE "NOT" THE ACTUAL BUILDING/ ROOM SIGNAGE DESIGNATION. THE GENERAL CONTRACTOR SHALL FURNISH, INSTALL AND COORDINATE ALL REQUIRED SIGNAGE WITH THE OWNER/ARCHITECT PRIOR TO STARTING CONSTRUCTION.

L. GENERAL CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE RELOCATABLE BUILDING DELIVERY DATES TO THE SCHOOL SITE WITH THE MFGR.

M. THE GENERAL CONTRACTOR SHALL CONSTRUCT ALL NEW RELOCATABLE BUILDING FOUNDATIONS AS PER THE RELOCATABLE BUILDING MANUFATCTURER'S DRAWINGS AND SPECIFICATIONS.

N. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL HOOK-UPS TO THE RELOCATABLE BUILDINGS AFTER INSTALLATION HAS BEEN COMPLETED BY THE MANUFACTURER.

O. 5'-0" DEEP x 5'-0" WIDE MINIMUM LANDINGS AT DOORWAYS SHALL BE AS DETAILED AND SHALL HAVE SLOPES IN ANY DIRECTION OF NOT GREATER THAN 1/4 IN 12 SLOPE. SLOPES SHALL BE AWAY FROM DOORWAYS.

P. GENERAL/SITE CONTRACTOR SHALL FIELD VERIFY THAT EXISTING PATH OF TRAVEL (P.O.T.) IS A MINAMUM OF 4'-0" WIDE AND IS SLIP RESISTANT. IF IT IS NOT, THEN THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF RECORD AND A REMEDY OR ALTERNATE P.O.T. WILL BE PROVIDED.

Q. THE MAXIMUM DROP BETWEEN EXISTING FINISHED GRADES AND THE TOP OF THE P.O.T. SHOULD NOT EXCEED 4". IF IT DOES, PROVIDE THE NECESSARY WARNING CURB PER CBC SEC. 11B-303.5.

KEYNOTES

1. EXISTING CHAIN LINK FENCE AND GATE TO REMAIN
2. EXISTING BUILDING TO REMAIN, NO WORK
3. EXISTING TRACK STRIPING TO REMAIN
4. EXISTING A.C. PAVING TO REMAIN
5. EXISTING TURF TO REMAIN, NO WORK
6. EXISTING SAND BOX PLAY AREA TO REMAIN
7. EXISTING CONCRETE WALK WITH MEDIUM BROOM FINISH TO REMAIN
8. EXISTING A.C. PAVED PARKING LOT TO REMAIN
9. EXISTING VAN ACCESSIBLE PARKING STALL. UPGRADE PER DETAIL 15/A1.03
10. EXISTING TOW AWAY SIGN. VERIFY COMPLIANCE WITH X/A1.03 AND REPLACE IF NECESSARY. RELOCATE TO BE IMMEDIATELY ADJACENT TO PARKING LOT ENTRANCE
11. EXISTING ACCESSIBLE PARKING SIGNAGE, REPLACE WITH NEW PER 7/A1.03
12. EXISTING ACCESSIBLE PATH OF TRAVEL TO REMAIN, VERIFY IN FIELD
13. EXISTING NON-ACCESSIBLE RESTROOM PER DSA #51546 TO REMAIN. PROVIDE NEW ACCESSIBLE RESTROOM DIRECTIONAL SIGNAGE PER 11/A1.03
14. EXISTING FIRE HYDRANT TO REMAIN
15. EXISTING 20' WIDE FIRE TRUCK ACCESS LANE OVER EXISTING PAVING, APPROVED BY THE LOCAL JURISDICTION
16. EXISTING 20' WIDE CHAIN LINK FIRE TRUCK ACCESS GATE. PROVIDE NEW KNOX PAD LOCK PER KERN COUNTY STANDARDS IF ONE DOES NOT EXIST
17. PROPOSED ACCESSIBLE PATH OF TRAVEL (P.O.T.) REFER TO ACCESSIBILITY NOTE, THIS SHEET
18. EXISTING CONCRETE CURB AND SAND AREA TO BE DEMOLISHED. INSTALL NEW A.C. PAVING FLUSH WITH EXISTING ADJACENT PAVING
19. NEW MODULAR CLASSROOM ON WOOD FOUNDATION w/ METAL RAMPS INSTALLED PER MANUFACTURERS DRAWINGS
20. EXISTING BOYS RESTROOM PER DSA #51546. SEE 2/A2.01 FOR ACCESSIBILITY UPGRADES
21. EXISTING GIRLS RESTROOM PER DSA #51546. SEE 1/A2.01 FOR ACCESSIBILITY UPGRADES
22. EXISTING MENS RESTROOM PER DSA #51546. SEE 3, 4/A2.01 FOR ACCESSIBILITY UPGRADES
23. EXISTING WOMENS RESTROOM PER DSA #51546. SEE 3, 4/A2.01 FOR ACCESSIBILITY UPGRADES
24. EXISTING ACCESSIBLE DRINKING FOUNTAIN PER DSA #51546. VERIFY ADA COMPLIANCE AND UPGRADE, AS NECESSARY, PER 12/A1.03.
25. REPLACE EXISTING RELOCATABLE CLASSROOM WITH NEW RELOCATABLE CLASSROOM
26. (E) SITE ENTRANCE SIGN, REPLACE WITH NEW SIGN PER DETAIL 16/A1.03

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 PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS 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.

LOCAL FIRE AUTHORITY REVIEW

DSA 810 LOCAL FIRE AUTHORITY REVIEW

To facilitate the Division of the State Architect's (DSA) approval of the Fire/Life 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 relevent 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:	FRANKLIN ELEMENTARY SCHOOL
Project Address:	2400 TRUXTUN AVENUE BAKERSFIELD, CA 93301

LOCAL FIRE AUTHORITY (LFA)

LFA Agency Name:

LFA Reviewer Name: BAKERSFIELD FIRE DEPT. Title: FIRE PLANS EXAMI[illegible]

Email: EMEDINA@BAKERSFIELDFIRE.US 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 imaged onto the site plan. A loose form is not acceptable to DSA.

LFA Reviewer's Signature: [signature] Date: 1/14/15

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

	Description	Y	N	NA	NR
1	Where an elevator does not meet medical emergency service cab size, per the California Building Code (CBC), use of stairways for emergency rescue and patient transport is acceptable.			X	
2	Access roads, fire lane markings, pavers and gate entrances are in accordance with Title 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. Signature of School District Official: ______ Date: ______ Print the School District Official's Name: ______			X	
5	The location(s) of the proposed post indicator valve and fire department connection meet the requirements of this jurisdiction.			X	
6	The location(s) of the detector check valve assembly meet the requirements of this jurisdiction.			X	
7	Is the project located in a hazard severity zone area? (CBC, Chapter 7A, Section 701A.) ☐ Yes ☐ No Check type if "Yes": ☐ Moderate ☐ High ☐ Very High ☐ WIFA (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)
- INDICATES NEW PORTABLE BUILDING UNDER THIS APPLICATION
- INDICATES EXISTING FIRE TRUCK ACCESS OVER AC PAVING
- INDICATES EXISTING RESTROOM TO BE UPGRADED FOR ADA COMPLIANCE
- INDICATES EXISTING NON-ACCESSIBLE RESTROOM TO REMAIN. NO WORK
- HALF-TONE DASHED LINE INDICATES EXISTING ACCESSIBLE PATH OF TRAVEL
- INDICATES PROPOSED ACCESSIBLE PATH OF TRAVEL, THIS APPLICATION

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6011 N. Fresno, Suite 130 – Fresno, California 93710
Phone (559) 436-0881 Fax (559) 436-0887 E-Mail: design@somam.com
www.integrateddesigns.com

Revision:	Revision Description:	Rev. Date:

Sheet Title: OVERALL SITE PLAN

Project Name & Address: 4 RELOCATABLE CLASSROOMS
FRANKLIN ELEMENTARY SCHOOL
BAKERSFIELD CITY SCHOOL DISTRICT
2400 TRUXTUN AVENUE BAKERSFIELD, CA 93301

Issue Date:	10/31/14
Date:	05/06/16
Designer:	--
DR:	--
PC:	CJH

Agency Approval Stamp:

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
03 117026
AC FLS
DATE 6/1/16

Stamp(s):

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

Job No.: 5142

Sheet No.: A1.01

Release: -

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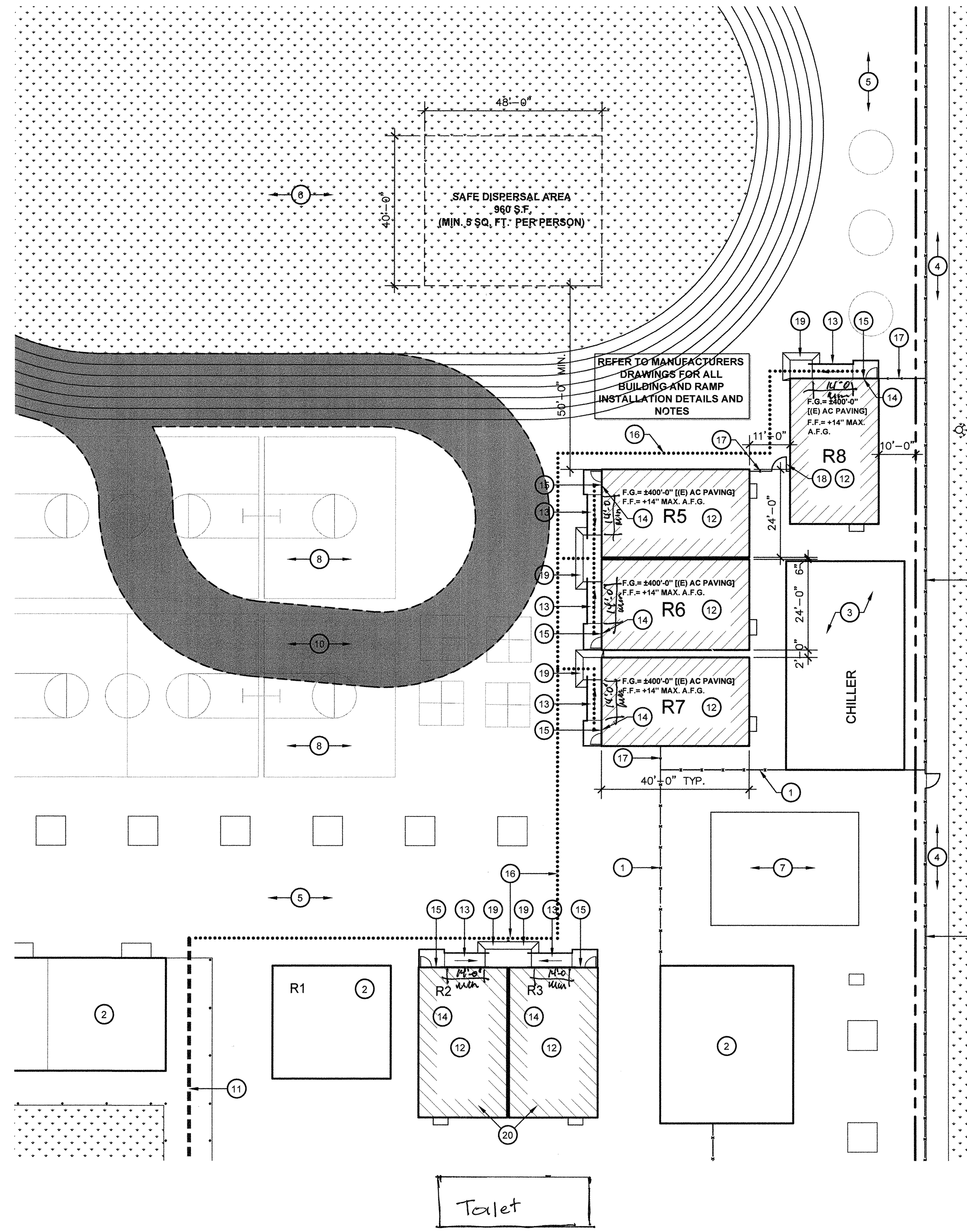

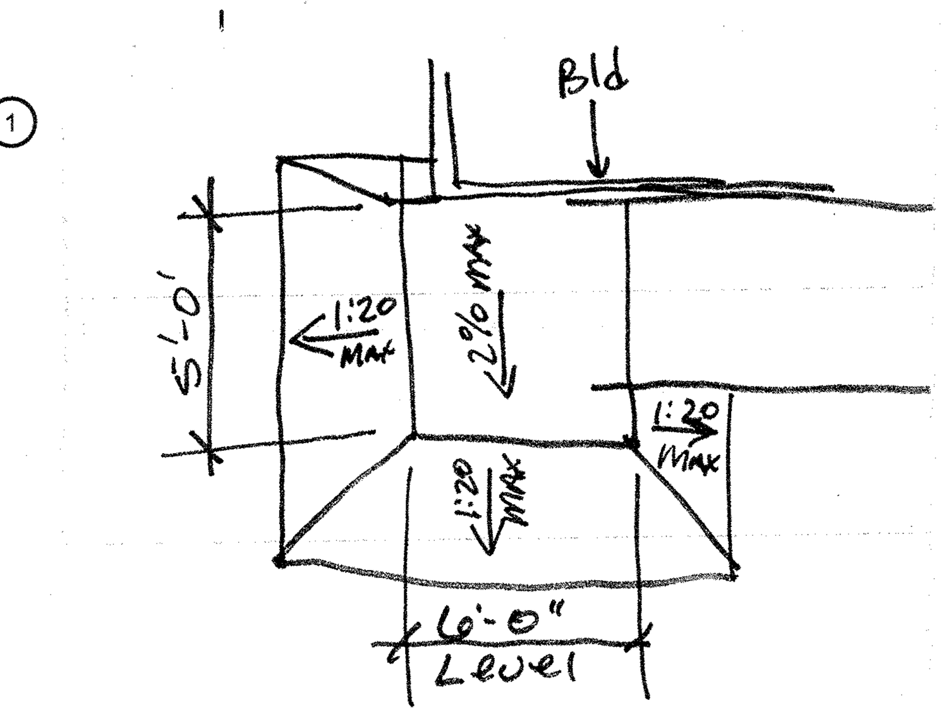

19/A1.02 Ramp Landing

ENLARGED SITE PLAN

FRANKLIN ELEMENTARY SCHOOL

SCALE: 1" = 20'

Franklin
Page 1 of 1

California Water Service Company
Fire Flow Test

Test Date: 8/28/2015 Test Time: 10:15 Approved Date:
District: BAKERSFIELD Zone: Low Plat: 31-35
General Location:
Address: 2400 Truxtun AVE
Cross Street: 17th ST
Requested By: Bakersfield City School District
Purpose Of Test: Fire
Conducted By: Jack Moore and Joel Huntington
Witnessed By C.W.S. Co: Dan Perez
Others:

Location 1 Hydrant #: 2650 Address: 100 yards N 17th St on A St

Outlet No.	Size Outlet	PITOT	Observed	Static Pressure	Residual Pressure	Flow Observed	Flow Avail.@
1	4	24	2104	72	58	2104	4274
2	0	0	0				
3	0	0	0				
4	0	0	0				
			Total Flow Observed Available @20:			2104	4274

Remarks: Fire Flow 2110 gpm
Static/Residual Location: On A St 400' N of Truxtun

Note:
Regardless of the results of this test, California Water Service Company assumes no liability be that stated in the following excerpt from the P.U.C. Tariff Schedule: "The utility (California Water Service Company) will supply only such water at such pressure as may be available from time as a result of its normal operation of the system."

http://engwebserver/fireflow/QRYFIREFLOWDETAILS.ASP?ID=16715 9/1/2015

KEY NOTES

1. EXISTING CHAIN LINK FENCE AND GATE TO REMAIN
2. EXISTING BUILDING TO REMAIN. NO WORK
3. EXISTING UTILITY ENCLOSURE TO REMAIN. NO WORK
4. EXISTING CONCRETE WALKWAY TO REMAIN. NO WORK
5. EXISTING A.C. PAVING TO REMAIN. NO WORK
6. EXISTING LANDSCAPE AREA TO REMAIN. NO WORK
7. EXISTING PLAYBOX TO REMAIN. NO WORK
8. EXISTING PLAYCOURT TO REMAIN. NO WORK
9. EXISTING FIRE HYDRANT TO REMAIN
10. EXISTING 20' WIDE FIRE TRUCK ACCESS LANE OVER EXISTING AC PAVING, APPROVED BY THE LOCAL JURISDICTION
11. EXISTING ACCESSIBLE PATH OF TRAVEL TO REMAIN, VERIFY IN FIELD
12. NEW TEMPORARY PORTABLE BUILDINGS ON RAISED WOOD FOUNDATIONS WITH METAL RAMP SUPPLIED BY MANUFACTURER.
13. NEW METAL RAMP PER 2/R1.01
14. NEW TACTILE EXIT SIGN PER DETAIL 2C/A1.03
15. NEW ROOM IDENTIFICATION AND ISA SIGNAGE, REFER TO DETAILS 3, 4/A1.03
16. PROPOSED ACCESSIBLE PATH OF TRAVEL PER THIS APPLICATION. SEE ACCESSIBILITY NOTES, SHEET A1.01
17. NEW SECTION OF CHAIN LINK FENCE. MATCH AND/OR TIE-IN TO EXISTING
18. NEW 4'-0" CHAIN LINK MAINTENANCE ACCESS GATE
19. NEW A.C. PAVED TRANSITION PER 19/A1.02.
20. REPLACE EXISTING MODULAR CLASSROOM WITH NEW MODULAR CLASSROOM.

GENERAL NOTES

A. DETERIORATION OR EXISTING NON-COMPLIANT CONSTRUCTION:

IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CBC IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, THE CONDITION MUST BE CORRECTED IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS. A C.C.D. OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.

*PER DSA IR 16-1, SEC. 5.4

B. CONTRACTOR SHALL ADJUST ALL DOOR CLOSERS TO A MAXIMUM OPENING FORCE OF 5 LBF

SERIAL NUMBER SCHEDULE

CLSRM	STKP #	SERIAL #
R2	04-104946	59874/59875
R3	04-104946	59876/59877
R5	04-101527	41758 / 41759
R6	04-101527	41760 / 41761
R7	04-105455	47940-01/47940-02
R8	04-105455	47947-01/47947-02

SAFE DISPERAL

TEMP CLASSROOMS
4 (N) CLASSROOMS @ 960 S.F. (24'x40') EA. = 3,840 S.F.

3,840 S.F. / 20 S.F. PER OCCUPANT	= 192 OCCUPANTS
192 OCCUPANTS x 5 S.F. / OCCUPANT	= 960 S.F. REQ'D
960 S.F. PROVIDED	= OK

LEGEND

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

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www.integrateddesigns.com

Revision:	Revision Description:	Rev. Date:	Revision:	Revision Description:	Rev. Date:

Sheet Title: ENLARGED SITE PLAN

Project Name & Address:
4 RELOCATABLE CLASSROOMS
FRANKLIN ELEMENTARY SCHOOL
BAKERSFIELD CITY SCHOOL DISTRICT
2400 TRUXTUN AVENUE BAKERSFIELD, CA 93301

Issue Date: 10/31/14
Date: 04/15/16
Designer: --
DR: --
PC: CJH

Agency Approval Stamp:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
03 117026

Stamp(s):

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

Job No.: 5142

Sheet No.: A1.02

Release: -

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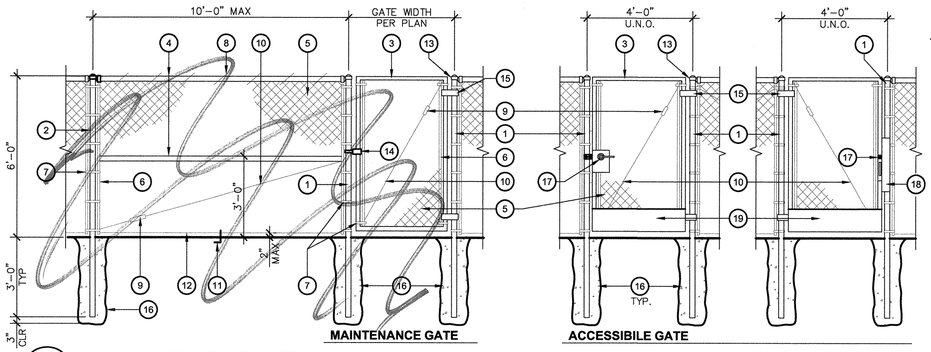


13 CHAINLINK FENCE AND GATE

A1.03 ADY100-01

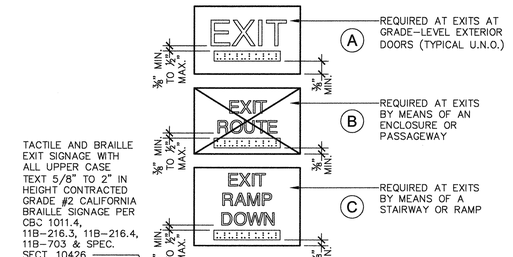
SCALE: 3/8" = 1'-0"

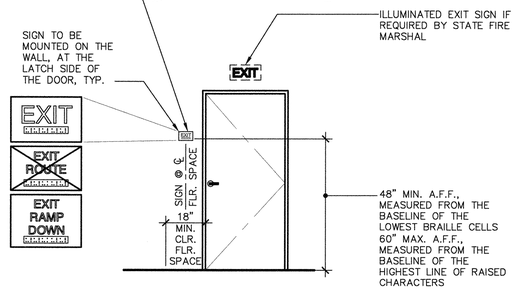
TYPICAL FENCE & GATE KEYNOTES

1. 4" O.D. GALVANIZED STEEL GATE POST (9.1 lb/ft)
2. 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. 1 5/8" O.D. GALVANIZED STEEL TOP RAIL (2.27 lb/ft) & BRACE RAIL, WHERE OCCURS.
5. 2"x2" MESH x 9 GAUGE GALVANIZED FENCE FABRIC WITH KNUCKLED 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 6 TENSION BANDS
8. 9 GAUGE (0.148" DIA.) GALVANIZED STEEL TIE WIRES OR HOG RINGS AT 15" MAX. SPACING. MIN. 8 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
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:
1. DOOR SIGNS TO BE CONSTRUCTED FROM 1/4" THICK PLASTIC OR HEAT STAMPED FIGURES. COLORS TO BE SELECTED BY ARCHITECT.
2. ATTACH SIGNS USING FOUR (4) FLATHEAD, STAINLESS STEEL, TAMPER PROOF SCREWS, (COUNTERSUNK,) AND ADHESIVE.
3. 70% CONTRAST BETWEEN CHARACTERS AND BACKGROUND

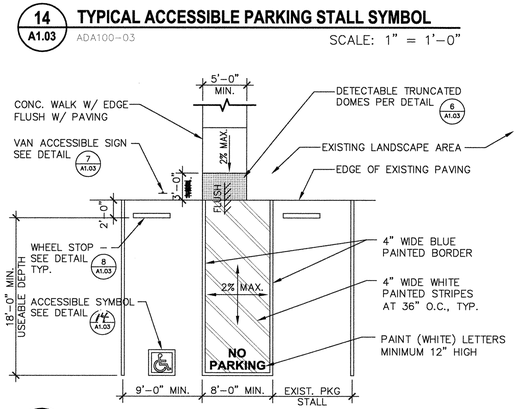




2 TYPICAL EXTERIOR DOOR SIGNAGE

A1.03 ADX200-01

SCALE: 3/8" = 1'-0"



14 TYPICAL ACCESSIBLE PARKING STALL SYMBOL

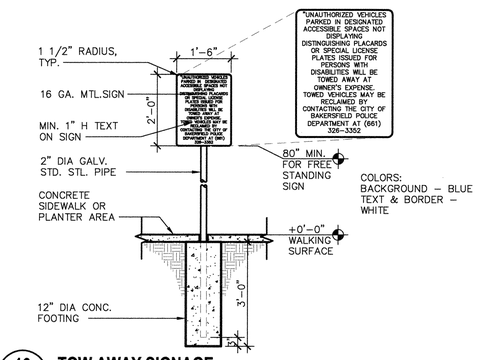
A1.03 ADA100-03

SCALE: 1" = 1'-0"

15 VAN ACCESSIBLE SINGLE PARKING STALL

A1.03 ADA100-13S

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



16 TOW AWAY SIGNAGE

A1.03 ADX100-10

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

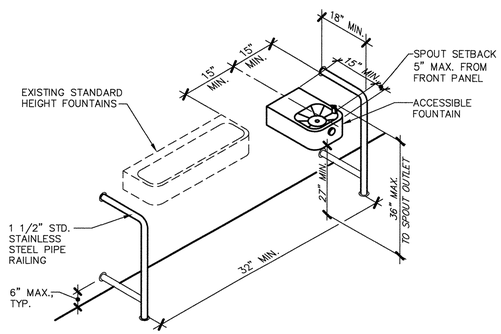
NOTES:
1. SIGNS TO BE CONSTRUCTED FROM 16 GA. METAL, PAINTED WITH BLUE ENAMEL FINISH WITH ISA SYMBOL, TEXT AND DIRECTIONAL ARROW IN A CONTRASTING COLOR
2. WHERE APPLICABLE, ATTACH SIGNS TO 2"ø GALV. STL. PIPE WITH TAMPER RESISTANT HARDWARE

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

11 ACCESSIBLE RESTROOM DIRECTIONAL SIGNAGE

A1.03 ADA100-04

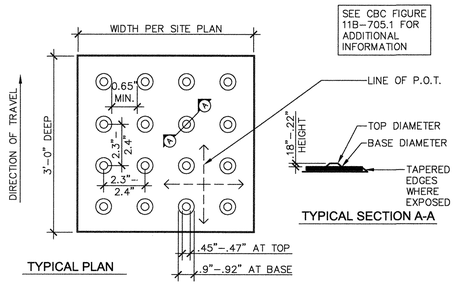
SCALE: 3" = 1'-0"



12 DRINKING FOUNTAINS AT BUILDING I

A1.03 ADA000-12A

SCALE: 1' = 1'-0"



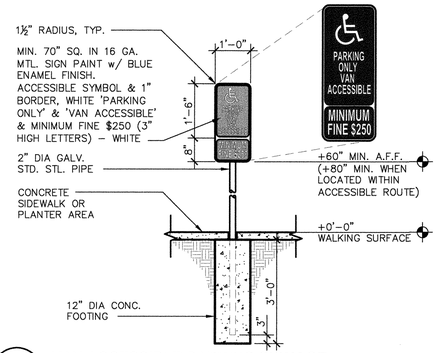
TYPICAL PLAN

TYPICAL SECTION A-A

6 TRUNCATED DOMES

A1.03 ADA100-23

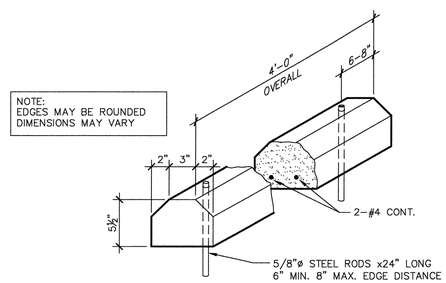
SCALE: NO SCALE



7 VAN ACCESSIBLE PARKING SIGNAGE

A1.03 ADA100-30

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

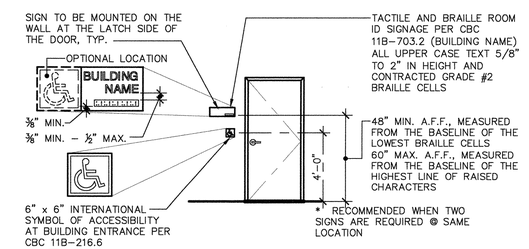


8 WHEEL STOP

A1.03 ADS100-31

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

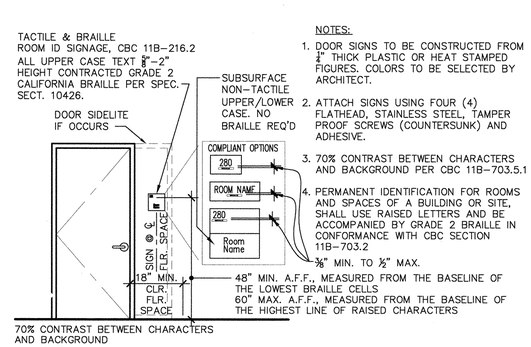
NOTES:
1. DOOR SIGNS TO BE CONSTRUCTED FROM 1/4" THICK PLASTIC OR HEAT STAMPED FIGURES. COLORS TO BE SELECTED BY ARCHITECT.
2. ATTACH SIGNS USING FOUR (4) FLATHEAD, STAINLESS STEEL, TAMPER PROOF SCREWS (COUNTERSUNK) AND ADHESIVE.
3. 70% CONTRAST BETWEEN CHARACTERS AND BACKGROUND PER CBC 11B-703.5.1.
4. ISA SYMBOL CAN ALSO BE PLACED ON DOOR. THE LOCATION IS NOT REGULATED.



3 ROOM ID SIGNAGE

A1.03 ADX100-01

SCALE: NO SCALE



NOTES:
1. DOOR SIGNS TO BE CONSTRUCTED FROM ¼" THICK PLASTIC OR HEAT STAMPED FIGURES. COLORS TO BE SELECTED BY ARCHITECT.
2. ATTACH SIGNS USING FOUR (4) FLATHEAD, STAINLESS STEEL, TAMPER PROOF SCREWS (COUNTERSUNK) AND ADHESIVE.
3. 70% CONTRAST BETWEEN CHARACTERS AND BACKGROUND PER CBC 11B-703.5.1
4. PERMANENT IDENTIFICATION FOR ROOMS AND SPACES OF A BUILDING OR SITE, SHALL USE RAISED LETTERS AND BE ACCOMPANIED BY GRADE 2 BRAILLE IN CONFORMANCE WITH CBC SECTION 11B-703.2
5. ⅜" MIN. TO ½" MAX.

4 BUILDING ENTRANCE/I.S.A. SIGNAGE

A1.03 ADA100-01

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

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Phone (559) 436-0881 Fax (559) 436-0887 E-Mail: design@somam.com
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Revision: | Rev. Date: | Revision Description:

Project Name & Address:
4 RELOCATABLE CLASSROOMS
FRANKLIN ELEMENTARY SCHOOL
BAKERSFIELD CITY SCHOOL DISTRICT
2400 TRUXTUN AVENUE BAKERSFIELD, CA 93301

Sheet Title: **SITE DETAILS**

Issue Date:	Designer:	PC:
10/31/14	---	CJH
Date: 05/06/16	DR: ---	

Agency Approval Stamp:

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
03 117036
ACCESS COMPLIANCE

Stamp(s):

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

Job No.: **5142**

Sheet No.: **A1.03**

Release: -

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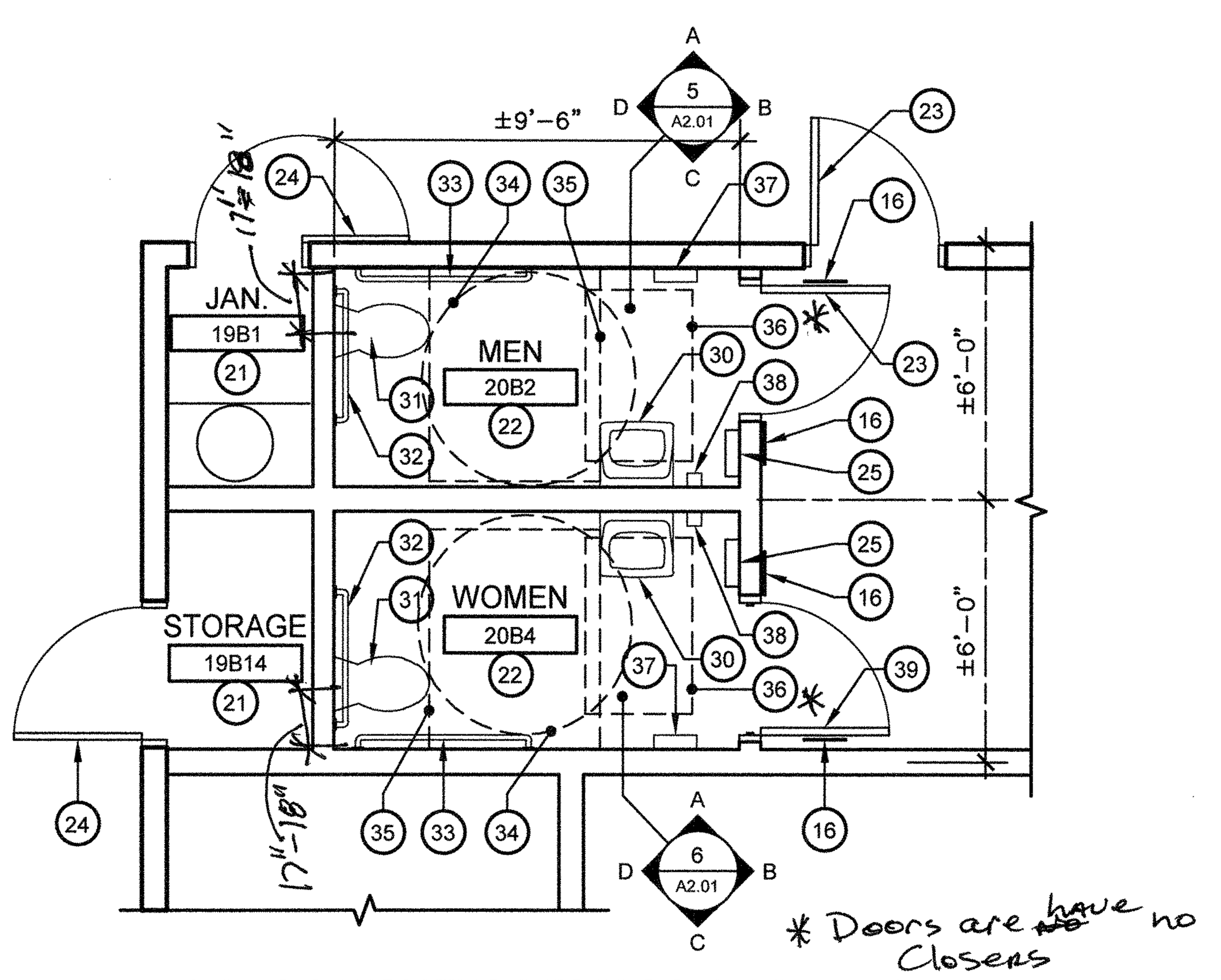
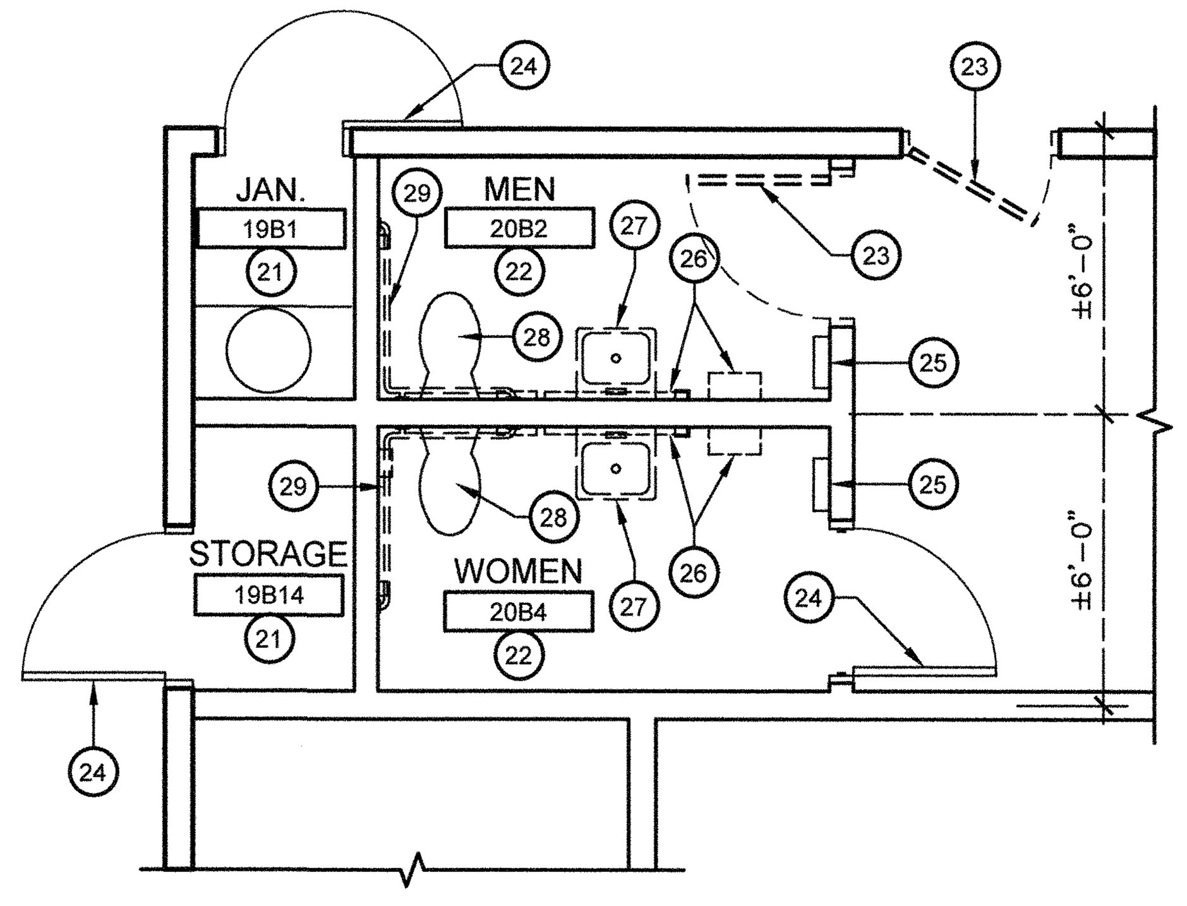
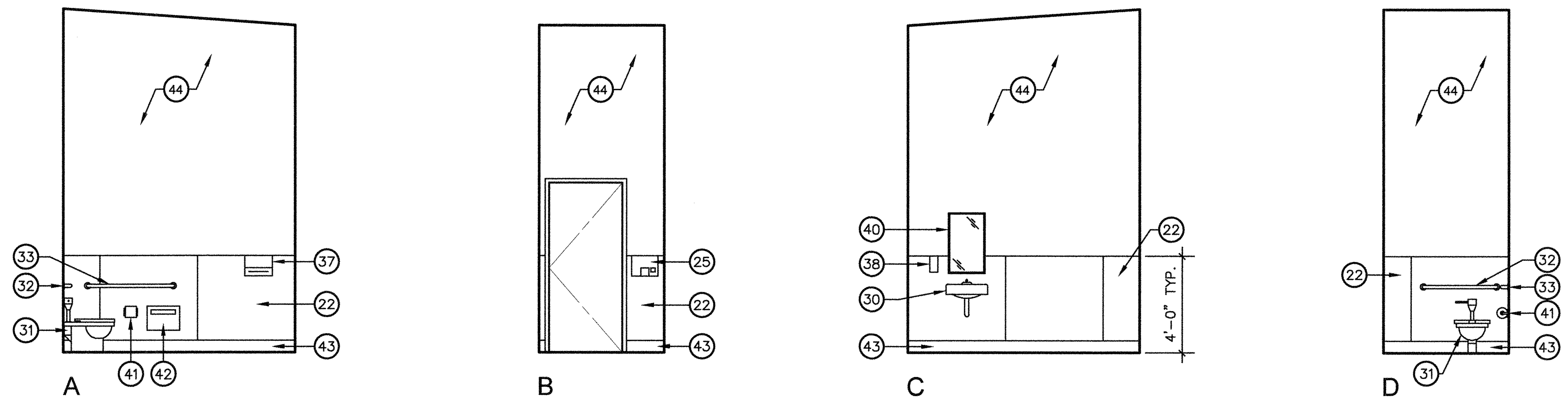
RICHARD DELLANINI



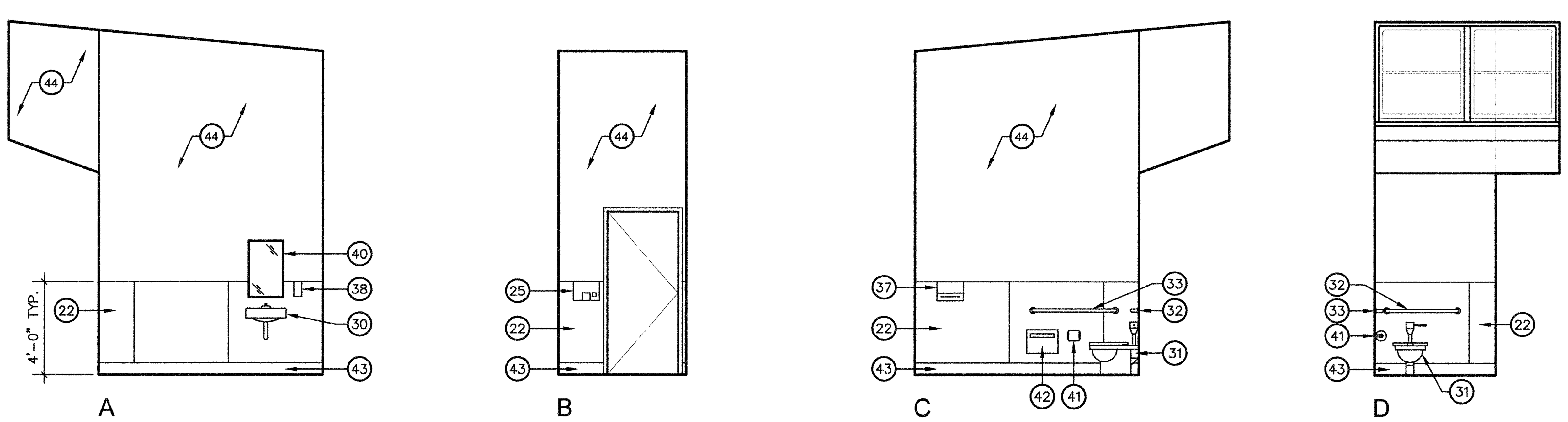
4 MENS & WOMENS RESTROOM NEW PLAN
1/4" = 1'-0"



3 MENS & WOMENS RESTROOM DEMO PLAN
1/4" = 1'-0"

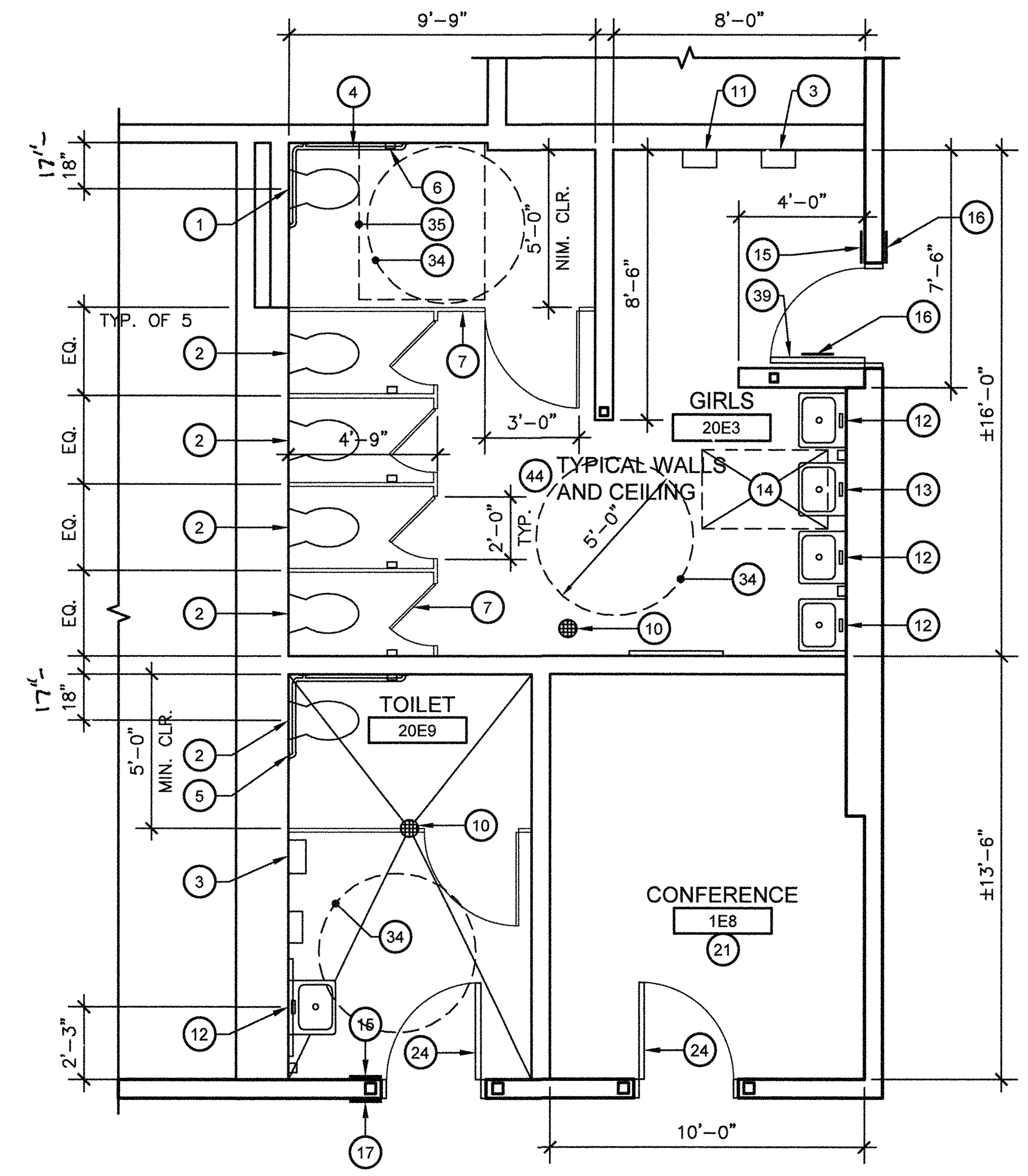


5 MENS RESTROOM ELEVATIONS
1/4" = 1'-0"

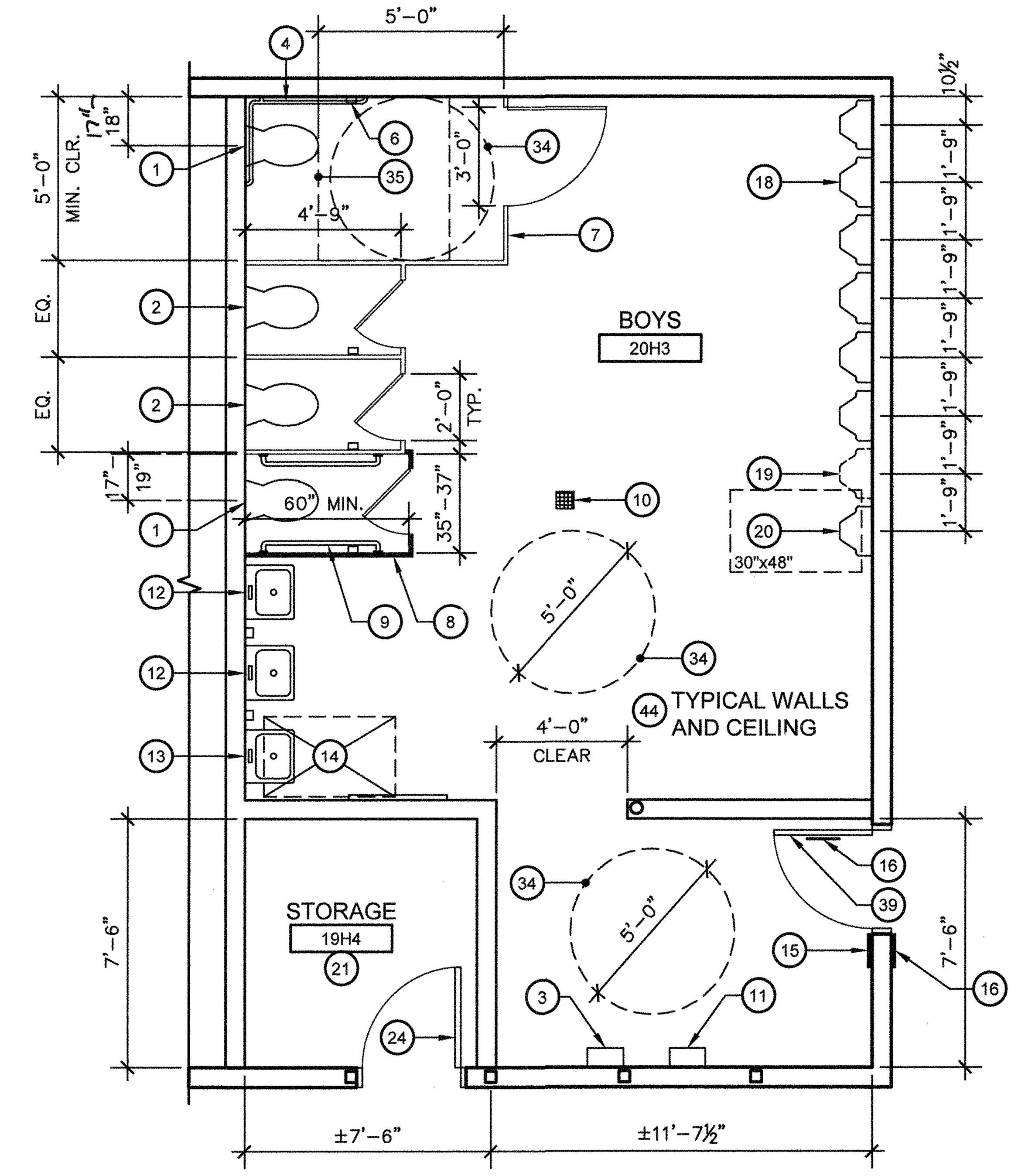


6 WOMENS RESTROOM ELEVATIONS
1/4" = 1'-0"

* See Details 2,3 & 9/A7.01 for mounting Heights ALL Restrooms



1 GIRLS RESTROOM, BUILDING E
1/4" = 1'-0"



2 BOYS RESTROOM, BUILDING H
1/4" = 1'-0"

ENLARGED RESTROOM PLANS

FRANKLIN ELEMENTARY SCHOOL

SCALE: AS NOTED

KEY NOTES

1. EXISTING TOILET. REMOVE AND REPLACE WITH NEW ADA ACCESSIBLE MODEL. SEE SPECS
2. EXISTING TOILET TO REMAIN. NO WORK
3. EXISTING ELECTRIC HAND DRYER TO REMAIN. NO WORK
4. EXISTING CONTINUOUS ADA GRAB BAR. VERIFY DIMENSIONAL COMPLIANCE WITH 2/A7.01. MODIFY AS NECESSARY
5. EXISTING CONTINUOUS ADA GRAB BAR TO REMAIN. NO WORK
6. RELOCATE EXISTING TOILET PAPER AND SEAT COVER DISPENSERS TO COMPLY WITH 2/A7.01
7. EXISTING TOILET PARTITION TO REMAIN. VERIFY AND UPGRADE HARDWARE AT ACCESSIBLE STALL, AS NECESSARY, PER 4/A7.01
8. REPLACE PORTION OF EXISTING TOILET PARTITION PANELS AND DOOR WITH NEW IN NEW LOCATION, AS DIMENSIONED, TO CREATE AMBULATORY ACCESSIBLE STALL
9. NEW 42" MIN. GRAB BAR AT AMBULATORY ACCESSIBLE STALL, TYPICAL BOTH SIDES
10. EXISTING FLOOR DRAIN TO REMAIN. NO WORK
11. EXISTING PAPER TOWEL DISPENSER TO REMAIN. VERIFY MOUNTING HEIGHT FOR ADA COMPLIANCE PER 3/A7.01
12. EXISTING LAVATORY TO REMAIN. NO WORK
13. EXISTING LAVATORY. VERIFY ADA COMPLIANCE WITH 9/A7.01. MODIFY AS NECESSARY
14. VERIFY EXISTING 30"x48" ADA CLEAR FLOOR SPACE AT LAVATORY PER 9/A7.01
15. NEW TACTILE EXIT SIGN PER 2A/A1.03
16. NEW ACCESSIBLE RESTROOM SIGNAGE PER 1/A7.01
17. NEW ACCESSIBLE RESTROOM DIRECTIONAL SIGNAGE PER 11/A1.03
18. EXISTING URINAL TO REMAIN. NO WORK
19. REMOVE EXISTING URINAL TO OBTAIN ADA CLEAR FLOOR AREA AT ADJACENT URINAL. CAP PIPES IN WALL AND PATCH TILE TO MATCH EXISTING
20. EXISTING FLOOR MOUNTED URINAL. VERIFY ADA COMPLIANCE PER 2/A7.01
21. EXISTING ROOM TO REMAIN. NO WORK
22. EXISTING WALL SUBSTRATE TO BE PATCHED AND REPLACED IN KIND AFTER INSTALLATION OF NEW FIXTURES. INSTALL NEW FRP SURFACE, AS SHOWN, PRIOR TO INSTALLATION OF NEW OR RELOCATED ACCESSORIES
23. EXISTING DOOR. REVERSE SWING AND REINSTALL. INSTALL NEW ADA HARDWARE. PATCH AND PAINT EXISTING FRAME
24. EXISTING DOOR TO REMAIN. NO WORK
25. EXISTING ELECTRIC HAND DRYER. REMOVE AND REINSTALL IN PLACE AFTER INSTALLATION OF NEW WALL FINISH
26. EXISTING RESTROOM ACCESSORIES TO BE REMOVED AND REINSTALLED IN NEW LOCATIONS AS SHOWN PER 4, 5 AND 6/A2.01
27. EXISTING LAVATORY TO BE REMOVED
28. EXISTING TOILET TO BE REMOVED
29. EXISTING CONTINUOUS GRAB BAR TO BE REMOVED
30. NEW ADA ACCESSIBLE LAVATORY PER 9A/7.01
31. NEW ADA ACCESSIBLE TOILET PER 2/A7.01
32. NEW 36" MIN. ADA GRAB BAR PER 6/A7.01
33. NEW 42" MIN. ADA GRAB BAR PER 6/A7.01
34. 60" Ø MIN. CIRCULAR TURNING SPACE
35. 60" W. x 48" D. MIN. MANEUVERING SPACE IN FRONT OF WATER CLOSET
36. 30" W. x 48" D. MIN. CLEAR FLOOR SPACE AT LAVATORY
37. NEW POSITION OF REINSTALLED PAPER TOWEL DISPENSER
38. NEW POSITION OF REINSTALLED SOAP DISPENSER
39. NEW ADA HARDWARE AT EXISTING DOOR, SEE SPECS
40. NEW POSITION OF REINSTALLED MIRROR
41. NEW POSITION OF TOILET PAPER DISPENSER
42. NEW POSITION OF SEAT COVER DISPENSER
43. 6" COVED BASE AT NEW SHEET VINYL FLOORING 12/A7.01.
44. PAINT P 12B

GENERAL NOTES

A. VERIFY HEIGHTS OF ALL RESTROOM ACCESSORIES FOR ADA COMPLIANCE. RELOCATE AS NECESSARY TO COMPLY WITH 3/A7.01
B. FIELD VERIFY EXISTING DIMENSIONS SHOWN FOR ADA COMPLIANCE. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES

LEGEND

------ EXISTING ITEMS TO BE REMOVED

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Revision Description:
Revision:

Sheet Title: ENLARGED RESTROOM PLANS

Project Name & Address: 4 RELOCATABLE CLASSROOMS
FRANKLIN ELEMENTARY SCHOOL
BAKERSFIELD CITY SCHOOL DISTRICT
2400 TRUXTUN AVENUE BAKERSFIELD, CA 93301

Issue Date: 10/31/14
Date: 04/14/16
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No. C 28966
REN. 5-31-15
STATE OF CALIFORNIA

Job No.: 5142

Sheet No.: A2.01

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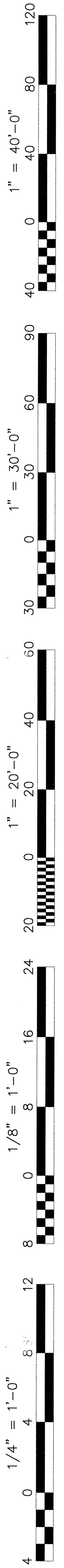
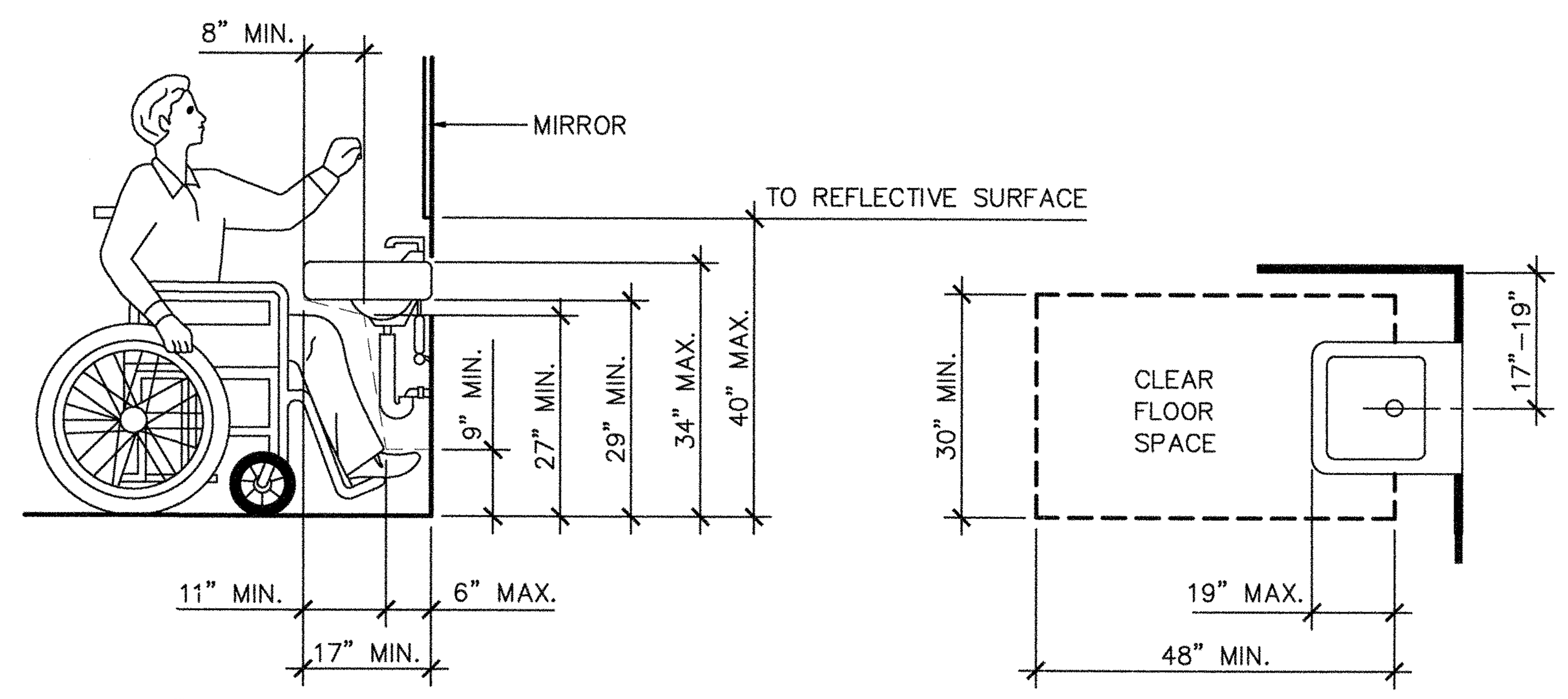
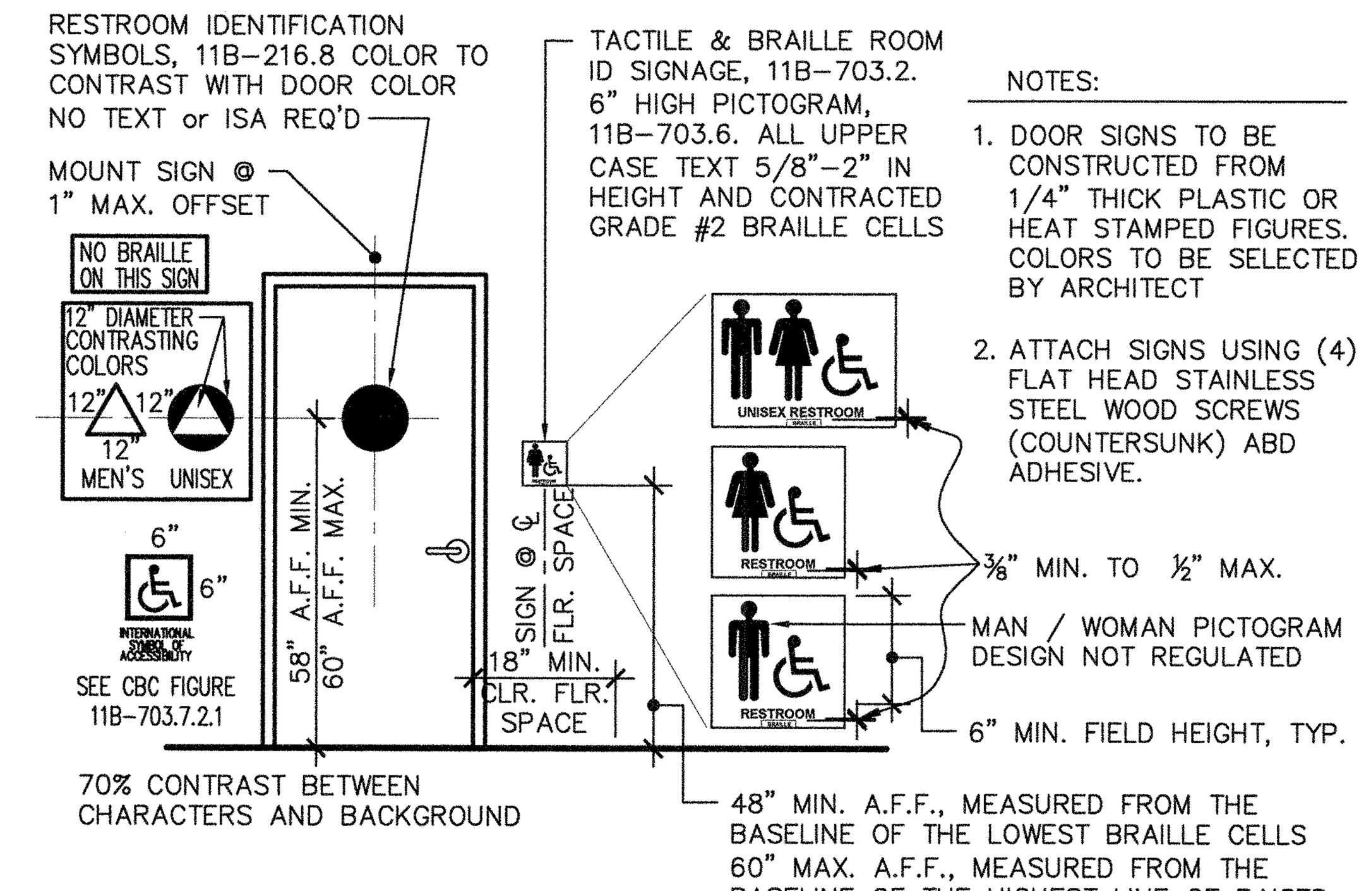




NOTES:

1. NO SHARP OR ABRASIVE SURFACES SHALL BE PRESENT UNDER LAVATORIES.
2. ALL PIPES UNDERNEATH LAVATORIES SHALL BE INSULATED TO PROTECT AGAINST CONTACT FROM THE PERSONS USING THE FIXTURE. (REFER TO SPECIFICATIONS)
3. THE LOWER REFLECTIVE EDGE OF MIRRORS SHALL NOT EXCEED 40 INCHES ABOVE THE FINISHED FLOOR.
4. ACCEPTABLE FAUCETS SHALL INCLUDE PUSH ELECTRONIC AND LEVER MECHANISM. FAUCETS WITH SELF-CLOSING VALVES SHALL REMAIN OPEN FOR NO LESS THAN 10 SECONDS. SEE PLUMBING DRAWINGS.
5. ACCESIBLE FAUCET CONTROLS SHALL BE PUSH TYPE WITH 5 LBS MAX. OPERATING FORCE.

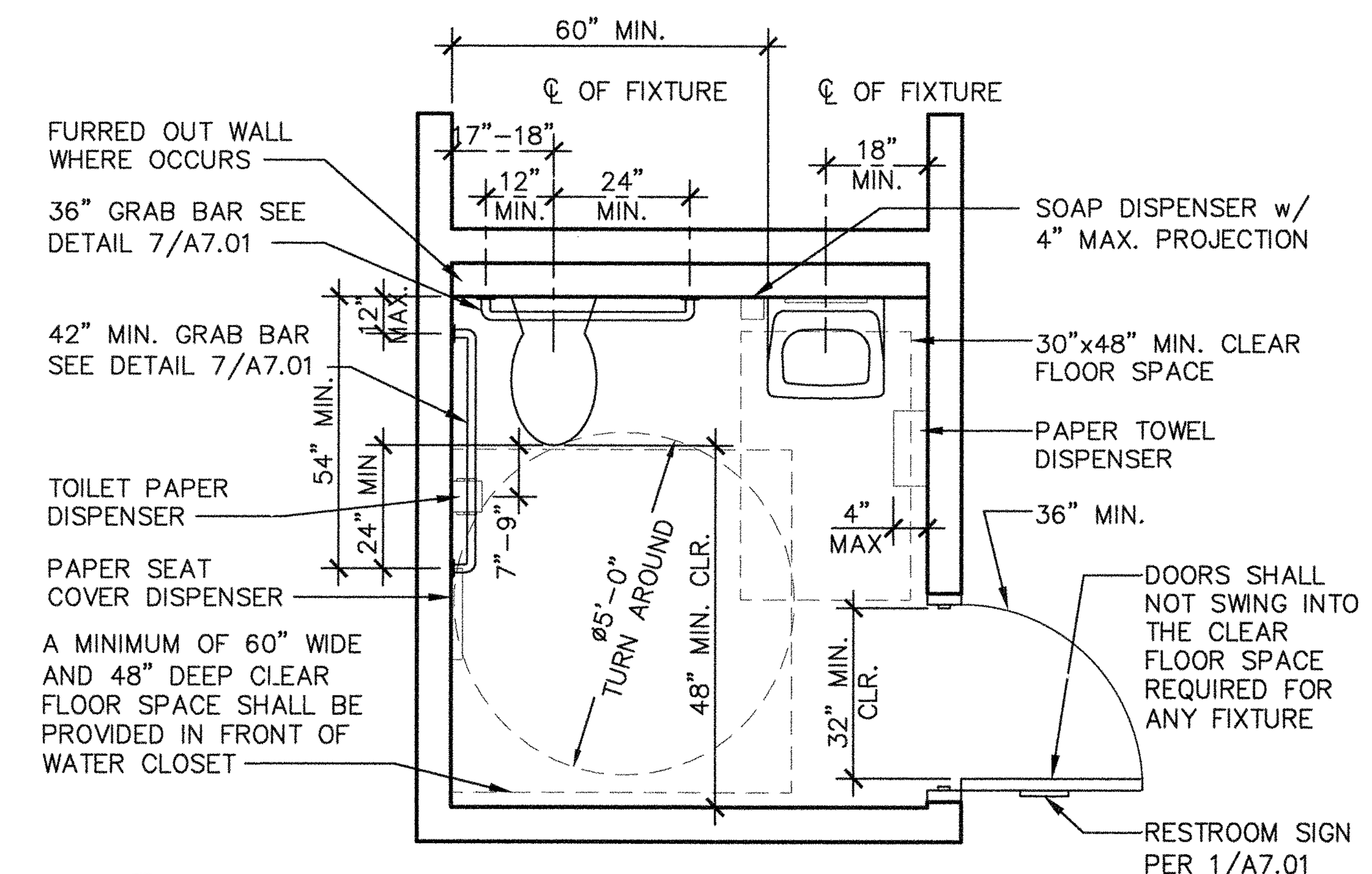
9 KNEE AND TOE CLEARANCE @ ACCESSIBLE LAVATORY
A7.01 ADA200-10 SCALE: 1' = 1'-0"



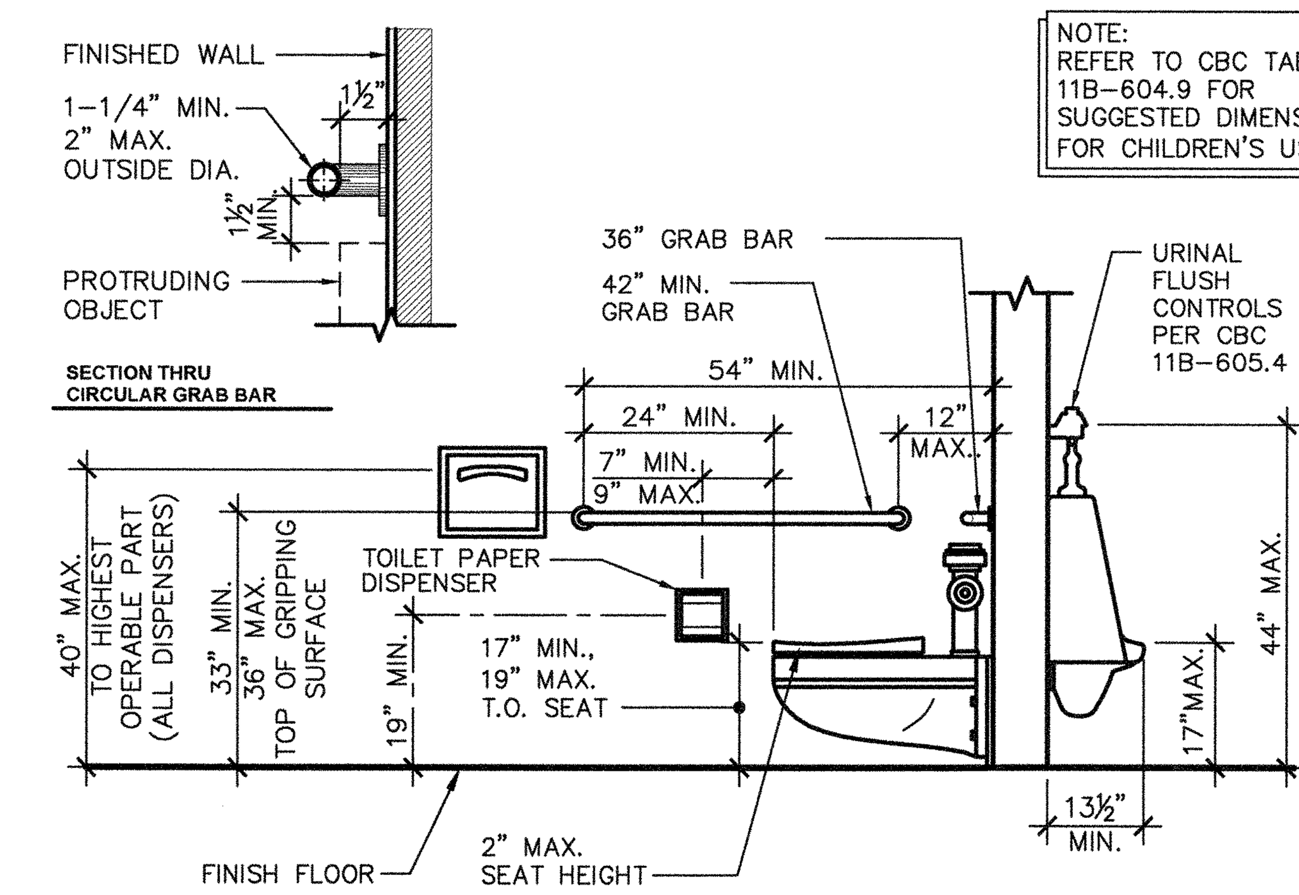
NOTES:

1. DOOR SIGNS TO BE CONSTRUCTED FROM 1/4" THICK PLASTIC OR HEAT STAMPED FIGURES. COLORS TO BE SELECTED BY ARCHITECT
2. ATTACH SIGNS USING (4) FLAT HEAD STAINLESS STEEL WOOD SCREWS (COUNTERSUNK) ABD ADHESIVE.

1 RESTROOM SIGNAGE
A7.01 ADA000-01 SCALE: 1' = 1'-0"

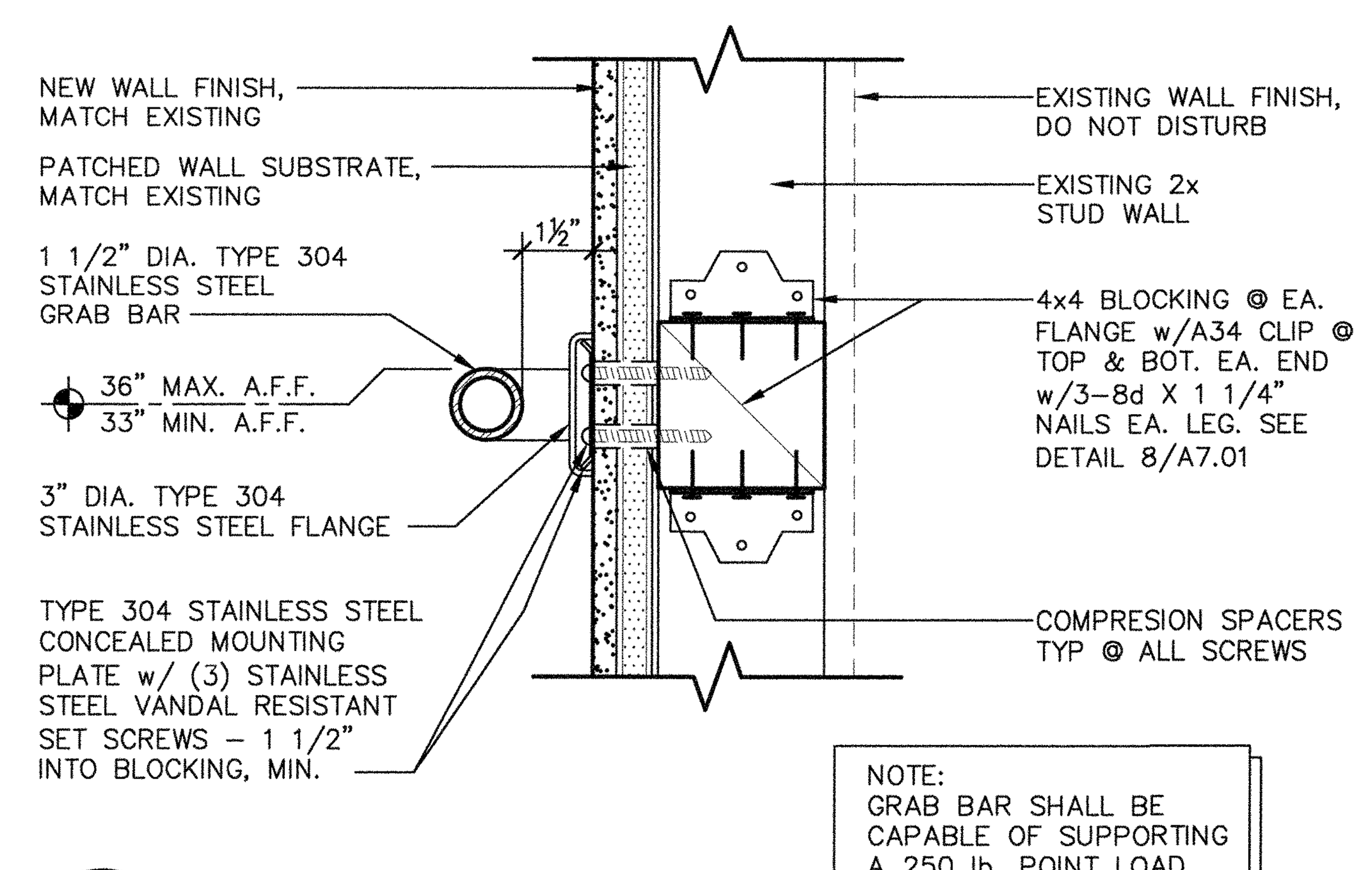


6 MINIMUM ACCESSIBLE SINGLE OCCUPANCY TOILET
A7.01 ADK200-03 SCALE: 1' = 1'-0"



NOTE: REFER TO CBC TABLE 11B-604.9 FOR SUGGESTED DIMENSIONS FOR CHILDREN'S USE

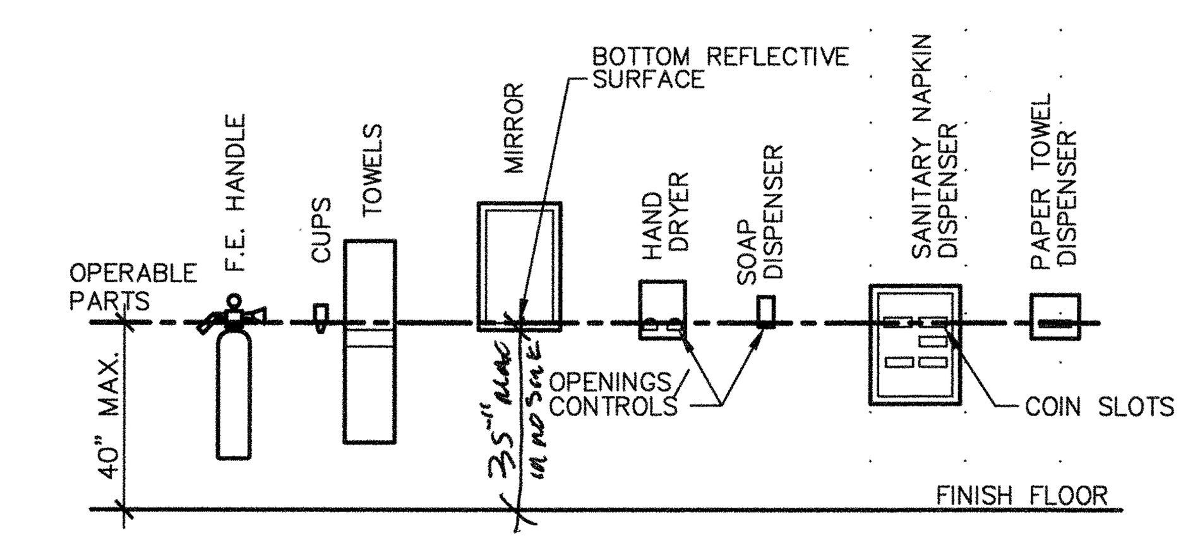
2 ACCESSIBLE MOUNTING HEIGHTS
A7.01 ADA200-12 SCALE: 1' = 1'-0"



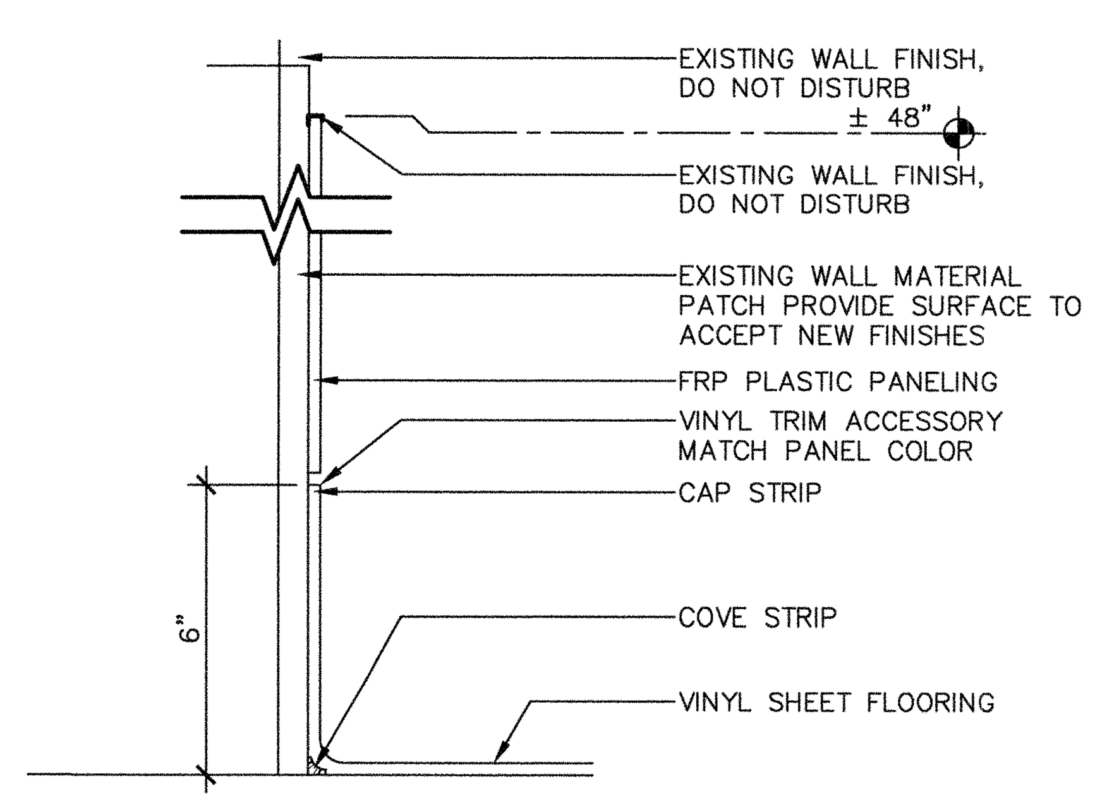
NOTE: GRAB BAR SHALL BE CAPABLE OF SUPPORTING A 250 lb. POINT LOAD

7 GRAB BAR ANCHORAGE
A7.01 ADM240-01 SCALE: 1' = 1'-0"

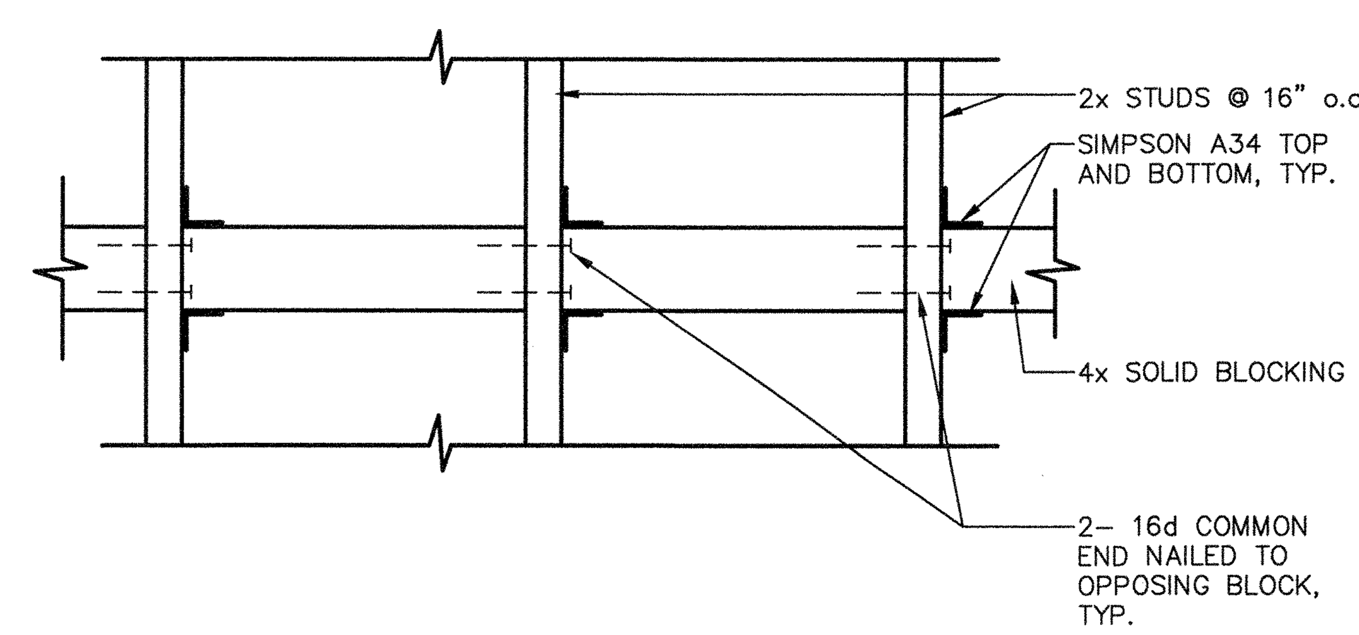
NOTE: DISPENSERS @ 4" MAX. PROJECTION FROM WALL



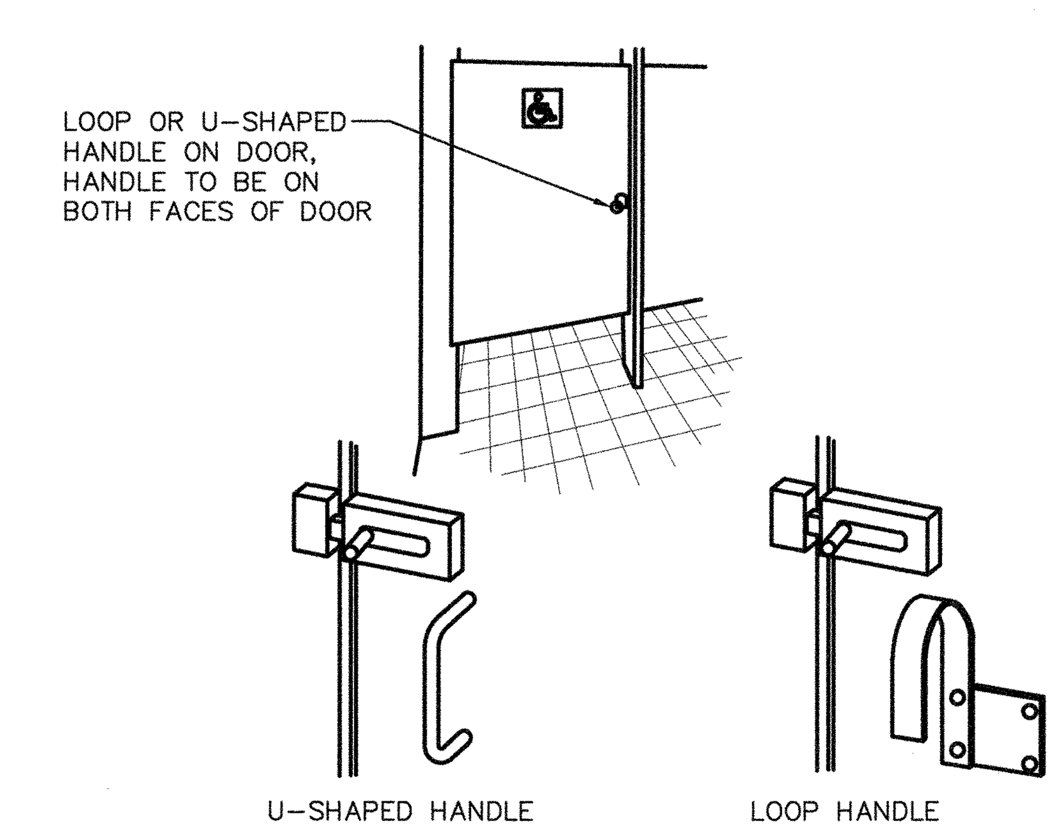
3 MOUNTING HEIGHTS FOR TOILET RM ACCESSORIES
A7.01 ADA200-13 SCALE: 1' = 1'-0"



12 VINYL SHEET FLOORING (COVE BASE)
A7.01 ADB240-02 SCALE: 1' = 1'-0"



8 TYPICAL BACKING @ WOOD STUDS
A7.01 ADB240-01 SCALE: 1' = 1'-0"



4 ACCESSIBLE TOILET DOOR HARDWARE
A7.01 ADA200-14 SCALE: 1' = 1'-0"

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Rev. Date:	Revision:	Revision Description:

Sheet Title: **DETAILS**

Project Name & Address:
4 RELOCATABLE CLASSROOMS
FRANKLIN ELEMENTARY SCHOOL
BAKERSFIELD CITY SCHOOL DISTRICT
2400 TRUXTUN AVENUE BAKERSFIELD, CA 93301

Issue Date:	10/31/14
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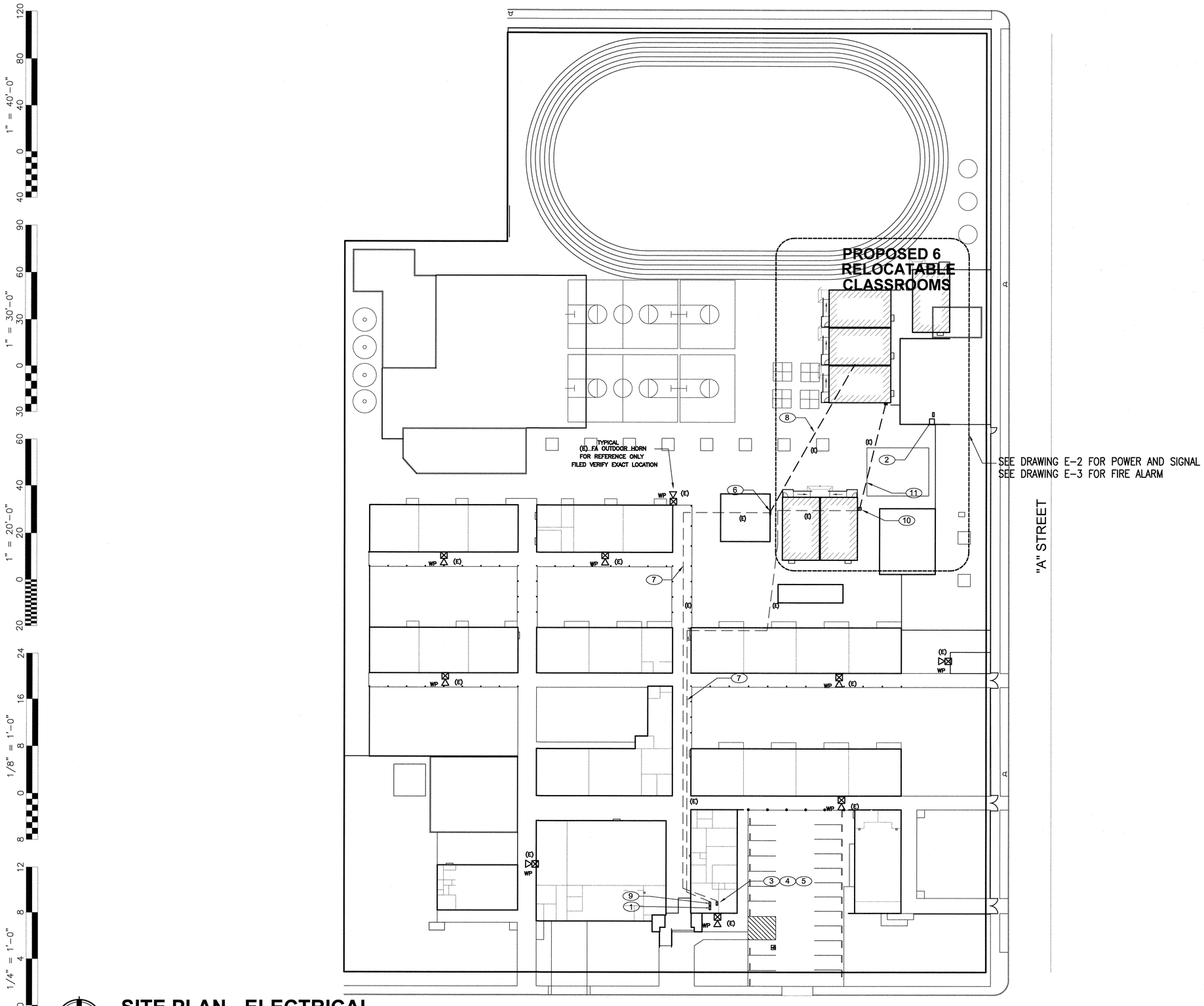

SITE PLAN - ELECTRICAL

SCALE : 1" = 30' - 0"

SHEET NOTES

1. 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 NAC SIGNAL CIRCUITS, AND FACP STANDBY CURRENT AND ALARM CURRENT. SEND THE REPORT TO OWNER AND ENGINEER FOR REVIEW, AND PLASTIC LAMINATED ONE COPY INSIDE FACP CABINET DOOR.
2. APPROXIMATE LOCATION FOR EXISTING PAD MOUNT TRANSFORMER AND DISTRIBUTION PNAEL. PROVIDE NEW CONDUIT, FEEDERS AND POWER CONNECTION FOR NEW RELOCATABLE CLASSROOM BUILDINGS PER PLANS. SEE SINGLE LINE DIAGRAM.
3. APPROXIMATE LOCATION FOR EXISTING PA/TC/TELEPHONE EQUIPMENT IN ADMIN OFFICE. PROVIDE NEW CABLE AND CONNECTION FOR NEW SIGNAL DEVICES PER PLANS.
4. APPROXIMATE LOCATION FOR EXISTING COMPUTER MDF SERVER EQUIPMENT IN ADMIN OFFICE. PROVIDE NEW CABLE AND CONNECTION FOR NEW SIGNAL DEVICES PER PLANS.
5. APPROXIMATE LOCATION FOR EXISTING MASTER INTRUSION ALARM EQUIPMENT IN ADMIN OFFICE. PROVIDE NEW CABLE AND CONNECTION FOR NEW SIGNAL DEVICES PER PLANS.
6. (E) SIGNAL TC ON EXTERIOR WALL. SEE RISER DIAGRAMS.
7. (E) EMT SURFACE MOUNT SIGNAL CONDUITS, PULL IN NEW SIGNAL CONDUCTORS PER PLANS. SEE RISER DIAGRAMS.
8. (E) U.G SIGNAL CONDUITS, FIELD VERIFY EXISTING STUB OUT LOCATION. PULL IN NEW SIGNAL CONDUCTORS PER PLANS. SEE DRAWING E-2 & E-3 FOR MORE INFORMATION.
9. FURNISH AND INSTALL A NEW FIRE ALARM DIGITAL VOICE COMMAND CENTER AND INTER CONNECT TO EXISTING FIRE ALARM CONTROL PANEL. SURFACE MOUNT NEXT TO (E) FACP. FILED VERIFY EXACT LOCATION. SEE FA DRAWING E-3 RISER DIAGRAM.
10. EXISTING FA JUNCTION BOX ON EXTERIOR WALL. EXTEND NEW UNDERGROUND CONDUIT AND CONDUCTORS TO NEW FA DEVICES PER PLANS. SEE DRAWING E-3 FOR MORE INFORMATION.
11. EXISTING UNDERGROUND FA CONDUIT, FIELD VERIFY EXISTING STUB OUT LOCATION. PULL IN NEW FA CONDUCTORS PER PLANS. SEE DRAWING E-2 & E-3 FOR MORE INFORMATION.

(E) INDICATE EXISTING CONDUIT AND WIRING. FOR REFERENCE ONLY, FIELD VERIFY AS REQUIRED.

PROJECT NOTES

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

MEP COMPONENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DEDAILS IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A. 1.28 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHEN 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 DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

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

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DEDAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL 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 12.8.6, 13.6.5.6 AND 2013 CBC, SECTION 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ON OF THE OSHPD PRE-APPROVALS (OPA #) 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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Revision	Revision Description	Rev. Date

Sheet Title: SITE PLAN - ELECTRICAL

Project Name & Address:
6 RELOCATABLE CLASSROOMS
FRANKLIN ELEMENARY SCHOOL
BAKERSFIELD CITY SCHOOL DISTRICT
2400 TRUXTUN AVE., BAKERSFIELD, CA

Issue Date:	Designer:	DR:	PC:
00/00/16	J CHONG	J CHONG	CJM
Date: 5/31/16			

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No. C 28966
REN. 5-31-15
STATE OF CALIFORNIA

Job No.: 5142

Sheet No.: E-1

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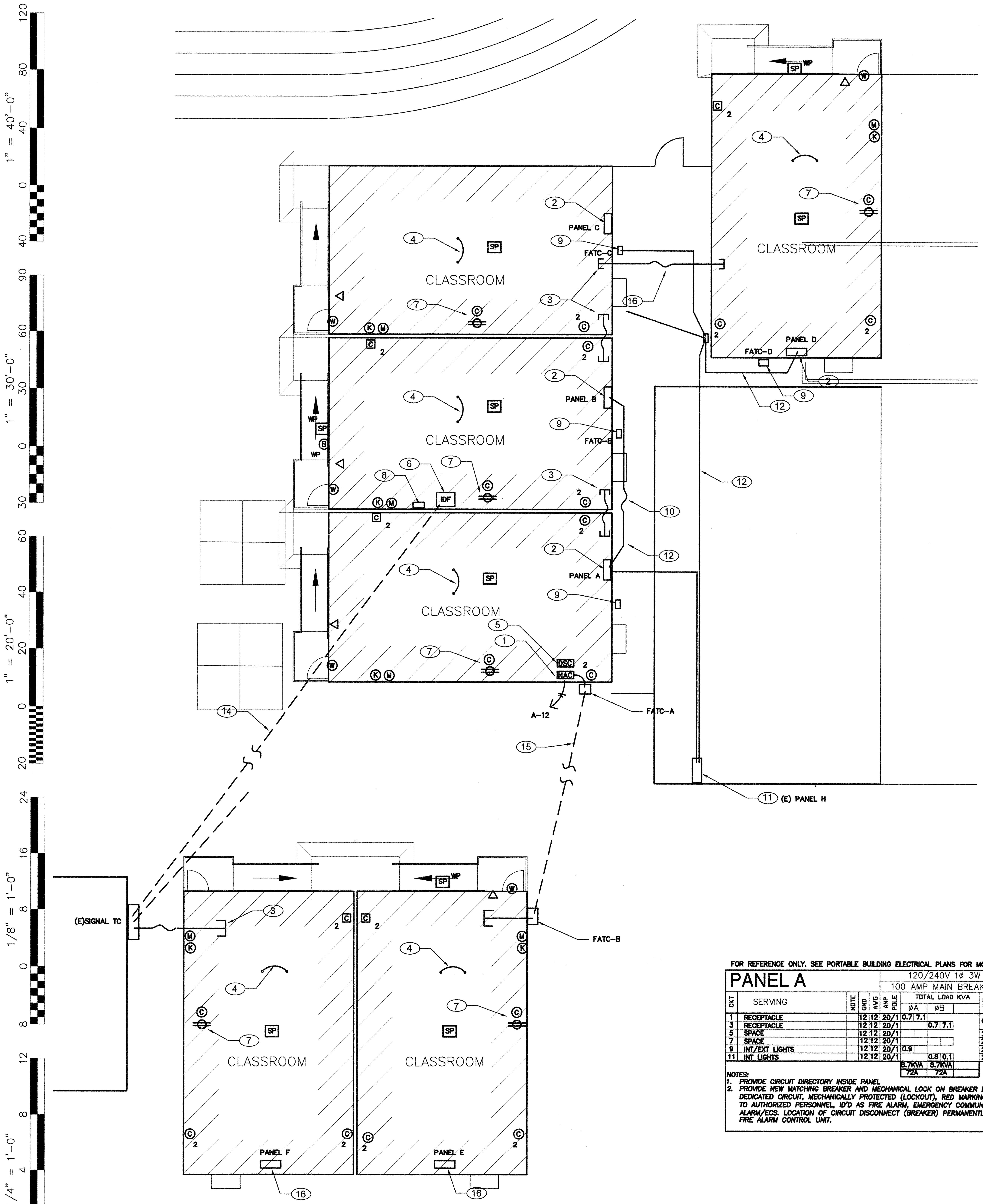


POWER AND SIGNAL PLAN

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

FIRE ALARM SEQUENCE OF OPERATIONS

	ACTIVATE ALARM FACP	ACTIVATE ALARM AT REMOTE ANNUNCIATOR	ACTIVATE TROUBLE SIGNAL AT FACP	ACTIVATE TROUBLE SIGNAL AT REMOTE ANNUNCIATOR	ACTIVATE SUPERVISORY SIGNAL AT FACP	ACTIVATE SUPERVISORY SIGNAL AT REMOTE ANNUNCIATOR	SEND ALARM OFF-SITE VIA COMMUNICATOR	SEND SUPERISORY SIGNAL OFF-SITE VIA COMMUNICATOR	SEND SUPERISORY SIGNAL OFF-SITE VIA COMMUNICATOR	ACTIVATE AUDIBLE/VISIBLE SIGNALS	ACTIVATE WATER FLOW BELL	PRIMARY FLOOR RECALL	SECONDARY FLOOR RECALL	ELECATOR SHUNT TRIP	SHUTODWN HVAC UNITS	SHUT FIRE/SMOKE DAMPERS	CLOSE FIRE DOORS	RESET 120VAC INITIATING DEVICES	ACTIVATE BATTER BACK-UP	DEACTIVATE AUDIBLE SIGNALS	DEACTIVATE VISIBLE SIGNALS	RESET 24V 4-WIRE DEVICES	SYSTEM NORMAL
MANUAL PULL STATION	X	X					X			X							X						
SMOKE DETECTORS:																							
ALL (EXCEPT LISTED BELOW)	X	X					X			X							X						
PRIMARY FLOOR LOBBY	X	X					X			X			X				X						
ALL OTHER LOBBIES	X	X					X			X		X					X						
ELEVATOR MACHINE ROOM	X	X					X			X			X				X						
ELEVATOR SHAFT	X						X			X		X					X						
HEAT DETECTORS:																							
ALL (EXCEPT LISTED BELOW)	X	X					X			X							X						
ELEVATOR MACHINE ROOM	X	X					X			X				X			X						
ELEVATOR SHAFT	X	X					X			X				X			X						
DUCT DETECTOR					X	X			X						X	X							
FIRE SPRINKLER WATERFLOW SWITCH	X	X					X			X	X						X						
FIRE SPRINKLER TAMPER SWITCH					X	X			X														
POST INDICATOR VALVE					X	X			X														
WIRING CONDITIONS:																							
SIGNALING LINE CIRCUIT (SLC)-																							
WIRE-TO-WIRE SHORT			X	X				X															
SINGLE OPEN			X	X				X															
SINGLE GROUND			X	X				X															
INITIATING DEVICE CIRCUIT (IDC)-																							
WIRE-TO-WIRE SHORT	X	X					X			X							X						
SINGLE OPEN			X	X				X															
SINGLE GROUND			X	X				X															
NOTIFICATION APPLIANCE CIRCUIT (NAC)-																							
WIRE-TO-WIRE SHORT			X	X																			
SINGLE OPEN			X	X																			
SINGLE GROUND			X	X																			
LOSS OF 120VAC POWER			X	X				X											X				
SIGNAL SILENCE																				X	X		
RESET FACP																		X		X	X	X	X

NOTE: SOME SEQUENCE OF OPERATIONS SHOWN MAY NOT APPLY

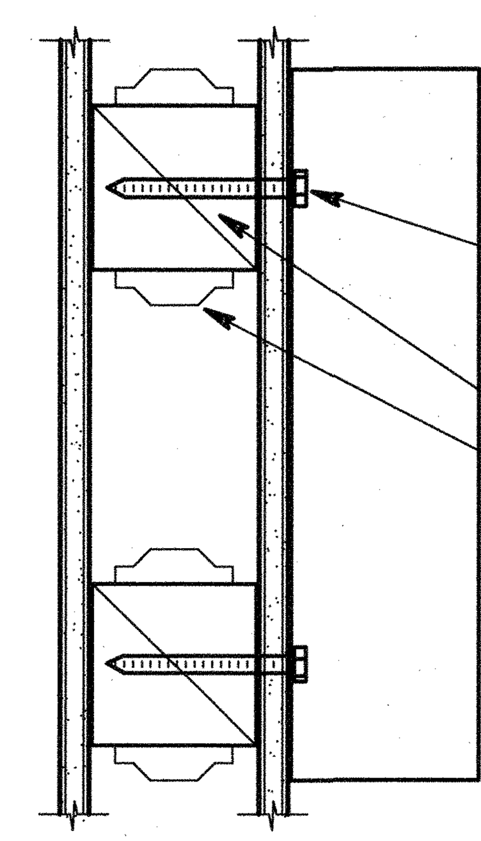
FOR REFERENCE ONLY. SEE PORTABLE BUILDING ELECTRICAL PLANS FOR MORE INFORMATION.

PANEL A

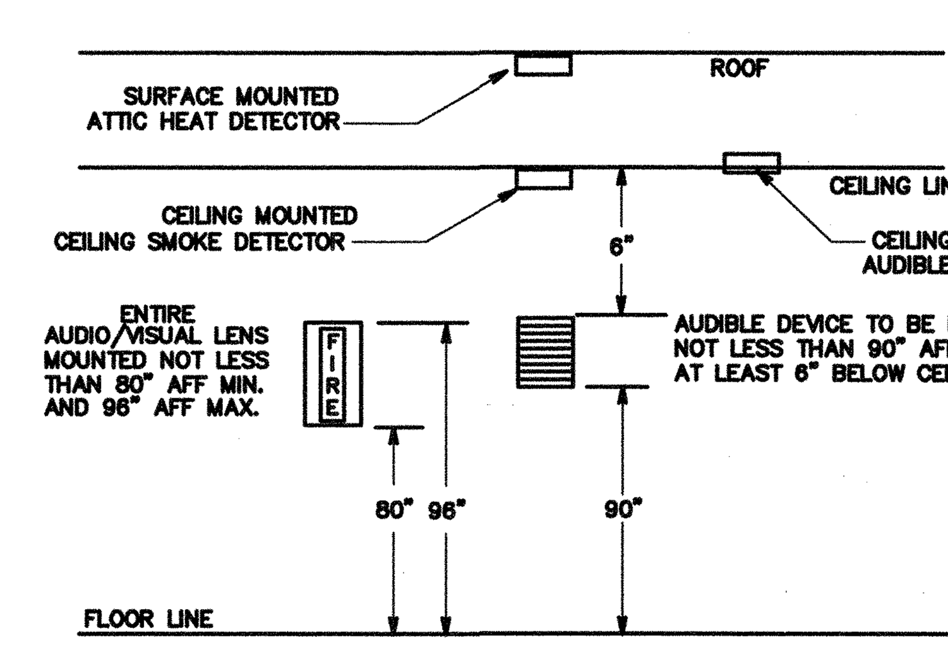
120/240V 1Ø 3W — REAR — FLUSH
100 AMP MAIN BREAKER — 10,000 AIC — NEMA 1

CKT	SERVING	NOTE	GND	AWG	AMP POLE	TOTAL LOAD KVA ØA		ØB		AMP POLE	AWG	GND	NOTE	SERVING	CKT
1	RECEPTACLE		12	12	20/1	0.7	7.1			60/2	8	10		HVAC 3.5 TON	2
3	RECEPTACLE		12	12	20/1			0.7	7.1						4
5	SPACE		12	12	20/1					20/1	12	12		SPACE	6
7	SPACE		12	12	20/1					20/1	12	12		SPACE	8
9	INT/EXT LIGHTS		12	12	20/1	0.9				20/1	12	12		SPACE	10
11	INT LIGHTS		12	12	20/1			0.8	0.1	20/1	12	12	2	FIRE ALARM NAC PANEL	12
						8.7KVA		8.7KVA							
						72A		72A							

NOTES:
1. PROVIDE CIRCUIT DIRECTORY INSIDE PANEL
2. PROVIDE NEW MATCHING BREAKER AND MECHANICAL LOCK ON BREAKER PER NFPA 72, 10.6.5.2: DEDICATED CIRCUIT, MECHANICALLY PROTECTED (LOCKOUT), RED MARKING, ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL, ID'D AS FIRE ALARM, EMERGENCY COMMUNICATIONS OR FIRE ALARM/ECS. LOCATION OF CIRCUIT DISCONNECT (BREAKER) PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.



2 SURFACE MOUNTED IDF DETAIL
N.T.S



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

SHEET NOTES

1. APPROXIMATE LOCATION FOR NEW FIRE ALARM SIGNAL AND AUDIO BOOSTER PANEL. PROVIDE 110V POWER CONNECTION AND DEDICATED CIRCUIT FROM PANEL A-12. SEE DRAWING E-3 FOR MORE INFORMATION.
2. PROVIDE POWER CONNECTION FOR RELOCATABLE BUILDING PRE-WIRED PANEL. SEE SINGLE LINE DIAGRAM ON DRAWING E-4.
3. PROVIDE 2"C EMT BETWEEN BUILDINGS AND STUB INTO BUILDING CEILING CAVITY FOR SIGNAL WIRING RACEWAY. CORE DRILL AND SEAL EXTERIOR WALL AS REQUIRED. PULL BACK PA/IC/TELE CABLE TO ADMIN OFFICE MASTER EQUIPMENT FOR NEW DEVICES CONNECTION. SEE RISER DIAGRAMS.
4. PROVIDE #6 COPPER GROUNDING CONDUCTOR AND BOND TO EACH SECTION STRUCTURAL STEEL BEAM, FIELD VERIFY EXACT LOCATION WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
5. NEW SECURITY ALARM PANEL AND SYSTEM, PROVIDE 110V POWER CONNECTION AND INTERCONNECTION TO (E) MASTER EQUIPMENT IN ADMIN OFFICE. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM.
6. NEW IDF AND CABINET SURFACE MOUNTED BELOW CEILING. PROVIDE 110V POWER CONNECTION, DATA SWITCH, FO CABLE AND DATA CABLE PATCH PANEL FOR NEW DATA OUTLET CONNECTION. PROVIDE FO CABLE TO (E) MDF IN ADMIN OFFICE FOR INTERCONNECTION. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM.
7. DATA AND POWER OUTLET AT CEILING FOR SMART BOARD. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM.
8. PROVIDE 50 PAIR PUNCH DOWN BLOCK AND SURFACE MOUNTED BELOW CEILING FOR INTERCOM / TELEPHONE WIRING TERMINATION.
9. PROVIDE NEW FA PULL BOX, SEE DRAWING E-3 FOR MORE INFORMATION.
10. PROVIDE FLEX CONDUIT RACEWAY BETWEEN BUILDINGS AS REQUIRED.
11. (E) PANEL H, PROVIDE NEW CONDUITS AND FEEDERS FOR NEW PRE-WIRED PANEL POWER CONNECTION. SEE SINGLE LINE DIAGRAM.
12. NEW SURFACE MOUNTED POWER CONDUITS AND FEEDERS. SEE SINGLE LINE DIAGRAM.
13. NEW 24"x24"x4" NEMA3R SIGNAL TC SURFACE MOUNTED ON EXTERIOR WALL. PROVIDE (2) 2"C STUB INTO BUILDING ATTIC CAVITY. SEE SIGNAL RISER DIAGRAM.
14. EXISTING U.G SIGNAL CONDUITS TO REMAIN AND REUSE PER PLANS. REROUTE AND REPULL NEW CONDUCTORS AS REQUIRED. SEE RISER DIAGRAMS.
15. EXISTING FA UNDERGROUND CONDUIT TO REMAIN AND REUSE. FIELD VERIFY LOCATION WITH OWNER AND GENERAL CONTRACTOR, PULL IN NEW FA CABLE PER PLANS.
16. DISCONNECT AND REMOVE EXISTING PORTABLE BUILDING PANEL, REUSE EXISTING FEEDERS AND RECONNECT TO NEW PORTABLE BUILDING PRE WIRED PANEL PER PLANS. FIELD VERIFY LOCATION WITH OWNER AND GENERAL CONTRACTOR PRIOR TO DEMOLITION.

SIGNAL AND COMM. LEGEND

SECURITY ALARM SYSTEM

- DSC — DIGITAL SECURITY ALARM CONTROL PANEL. MODEL SONITROL (64ZONE). INTERFACE WITH EXISTING BUILDING MASTER SECRITY ALARM PANEL AS REQUIRED.
- (K) — LCD KEYPAD – MATCH EXISTING EQUIPMENT AS REQUIRED.
- (M) — DUAL TECHNOLOGY CEILING MOUNT DETECTOR. MATCH EXISTING EQUIPMENT AS REQUIRED.
- (B) — EXTERIOR BELL (SIREN) – DSC#SD15W WITH WEATHERPROOF BACKBOX AND TAMPER SWITCH.
- (W) — DOOR CONTACT SWITCH. RECESS ABOVE DOOR JAMB AT OPEN SIDE.
- —B— INDOOR SECURITY ALARM CABLE. WEST PENN #241
- —B1— OUTDOOR SECURITY ALARM CABLE. WEST PENN #AQC224

COMMUNICATION (TELEPHONE/INTERCOM) SYSTEM

- ▽ — HANDSET/IP PHONE – FIELD VERIFY MODEL NO. AND MATCH EXISTING MASTER EQUIPMENT AS REQUIRED.
- SP — CEILING SPEAKER – RAULAND #US0221 W/ACC1000 BAFFLE. PROVIDE BACKBOX AND CEILING SUPPORT AS REQUIRED
- SP WP — OUTDOOR SPEAKER – ATLAS #APF15 HORN W/XFMR AND LOWELL (#CB84 FOR SURFACE, #P875X FOR RECESS) BACK BOX W/SQLK GRILL
- —T— OUTDOOR TELE/IC CABLE. 22AWG SOILD COPPER 12 PAIR SHIELDED AND 12 PAIR UNSHIELDED CABLE.
- —T1— INDOOR TELEPHONE CABLE. CAT.3 22AWG SOILD COPPER 4UTP SHIELDED CABLE.
- —P1— OUTDOOR PA/IC CABLE – WEST PENN #AQC-369

DATA COMMUNICATION SYSTEM

- C 2 — DATA OUTLET – LEVITON CAT 5E (DUAL RECEPTACLE RED IN COLOR FOR ADMINISTRATIVE)
- (C) 2 — DATA OUTLET – LEVITON CAT 5E (DUAL RECEPTACLE BLUE IN COLOR FOR INSTRUCTIONAL)
- —FO— FIBER OPTIC CABLE VIA INNER DUCT WITH J-HOOK IN ATTIC AND 2"C FOR OUTDOOR. SEE RISER DIAGRAM FOR MODEL NO.
- —C1— (ONE) CAT 5E 22AWG 4UTP. SEE RISER DIAGRAM FOR MODEL NO.
- —C2— (TWO) CAT 5E 22AWG 4UTP. SEE RISER DIAGRAM FOR MODEL NO.

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

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Revision: | Revision Description: | Rev. Date:

Sheet Title: POWER AND SIGNAL PLAN

Project Name & Address: 6 RELOCATABLE CLASSROOMS FRANKLIN ELEMENARY SCHOOL BAKERSFIELD CITY SCHOOL DISTRICT 2400 TRUXTUN AVE., BAKERSFIELD, CA

Issue Date: 00/00/16 | Date: 5/31/16 | Designer: J CHONG | DR: J CHONG | PC: CJM

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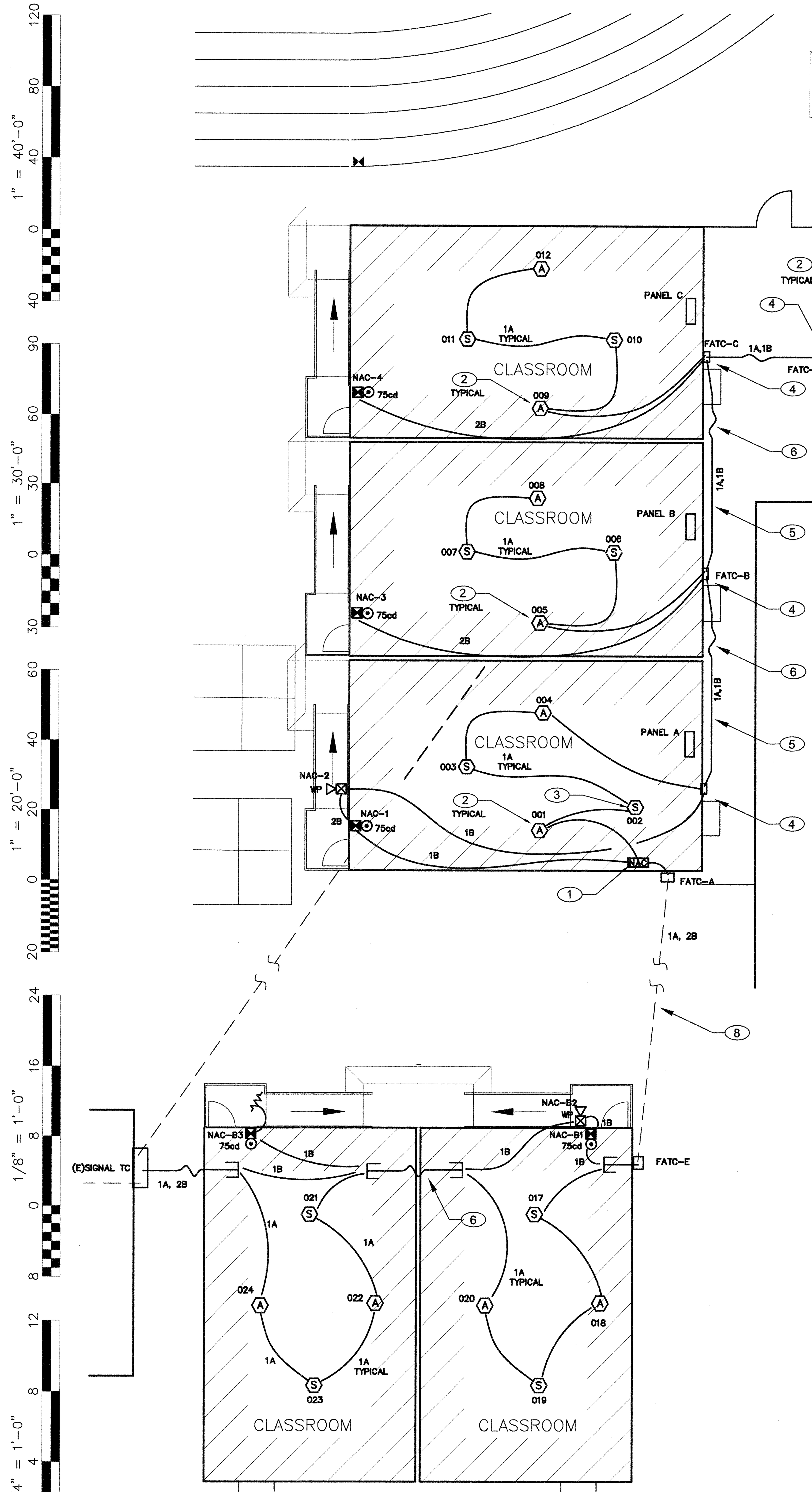
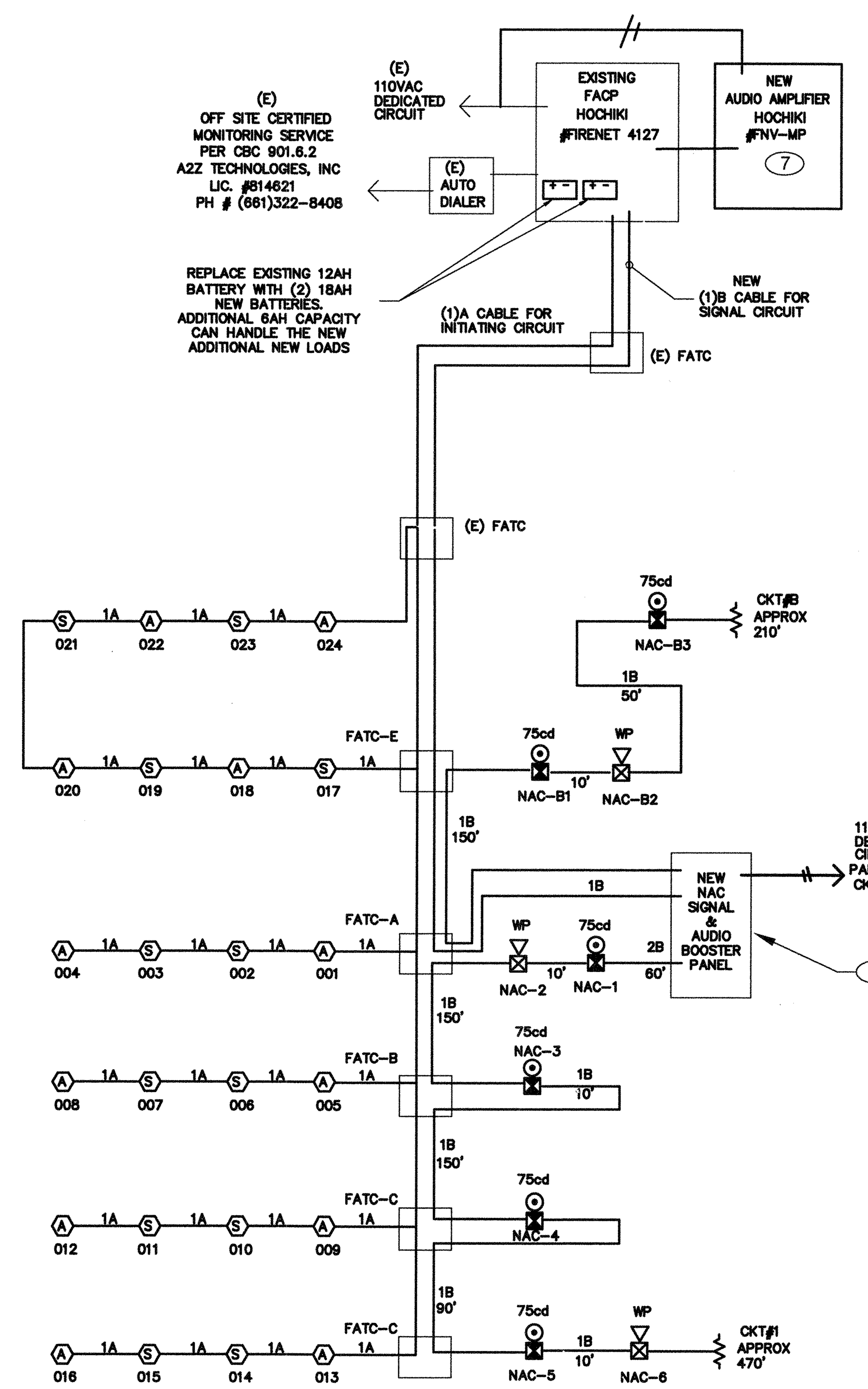


FIRE ALARM PLAN

SCALE : 1/8" = 1' – 0"



NOTES:

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.

(1) FIRE ALARM RISER DIAGRAM

N.T.S

FIRE ALARM SYMBOLS AND SCHEDULE

ITEM	DESCRIPTION	MODEL NUMBER	CSFM NUMBER	MOUNT	BACK BOX
	EXISTING FACP (FOR REFERENCE ONLY)	HOCHIKI #FIRENET 4127	7165–0410:0159	+60"	EQUIPMENT CABINET
	VOICE EVACUATION PANEL	HOCHIKI IEVAX50	6911–0410:0176	+60"	EQUIPMENT CABINET
	NAC SIGNAL & VOICE VAC BOOSTER PANEL SIGNAL EXPENDER	WHEELOCK #SPB 80/4	6911–0785:0157	+60"	EQUIPMENT CABINET
	SPEAKER STROBE 15cd 30cd 75cd 110cd	HOCHIKI #HSSPKWLP	7320–0410:0195	+80"	4"SQ X 2 1/2"D
WP	OUTDOOR SPEAKER	NOTIFIER #SPRK	7320–1652:0201	+90"	4"SQ X 2 1/2"D
S	ADDRESSABLE CEILING SMOKE DETECTOR WITH BASE	HOCHIKI #ALK–V /YBN–NSA–4	7272–0410:0173	CEILING	4"SQ X 2 1/2"D
A	ATTIC HEAT DETECTOR 190°F TEMP WITH BASE AND MONITOR MODULE	HOCHIKI #DFE 190°/HSC–XXXL #FRCME–4	7270–0410:0119 7300–0410:0150	ATTIC	4"SQ X 2 1/2"D
	FIRE ALARM CABLE POWER LIMITED	WEST PENN AQ SERIES	7161–0859:0101		
	END OF LINE RESISTOR	N/A	N/A	LAST DEVICE	4"SQ X 2 1/2"D

BATTERY POWER CALCULATIONS
NEW NAC SIGNAL & AUDIO BOOSTER PANEL

DEVICE	NO. OF DEVICE	CURRENT PER DEVICE STANDBY	CURRENT PER DEVICE ALARM	STANDBY CURRENT	ALARM CURRENT
UNIT	1	0.120A	9A	0.120A	9A
OUTDOOR SPEAKER	3	—	0.050A	—	0.150A
MINI HORN	0	—	0.025A	—	0.000A
VISUAL 15cd	0	—	0.041A	—	0.000A
SPEAKER/STROBE 15cd	0	—	0.078A	—	0.000A
SPEAKER/STROBE 30cd	0	—	0.096A	—	0.000A
SPEAKER/STROBE 75cd	6	—	0.180A	—	1.080A
SPEAKER/STROBE 110cd	0	—	0.224A	—	0.000A
SYNC MODULES	0	—	0.045A	—	0.000A
SUB-TOTAL				0.120A	10.230A

24 HOUR STANDBY CURRENT 2.880AH
15 MINUTE ALARM CURRENT (0.25 HR) 2.558AH
SUBTOTAL ———————— 5.438AH
20% SAFETY FACTOR ———————— 1.088AH
TOTAL AMPS–HRS REQUIRED 6.526AH
PROVIDE BATTERY WITH (2) NEW 7AH BATTERY

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

BATTERY POWER CALCULATIONS
EXISTING FACP

DEVICE	NO. OF DEVICE	CURRENT PER DEVICE STANDBY	CURRENT PER DEVICE LED	STANDBY CURRENT	LED CURRENT
EXISTING	FIELD MEASURE	0.3A	3.7A	0.3A	3.5A
SMOKE DETECTOR	12	0.0003A	0.0065A	0.0036A	0.078A
HEAT DETECTOR	12	0.0003A	0.0065A	0.0036A	0.078A
SUB-TOTAL				0.3072A	3.656A

24 HOUR STANDBY CURRENT 7.373AH
15 MINUTE ALARM CURRENT (0.25 HR) 0.914AH
SUBTOTAL ———————— 8.287AH
20% SAFETY FACTOR ———————— 1.657AH
TOTAL NEW AMPS–HRS REQUIRED 10.044AH

REPLACE EXISTING BATTERY WITH (2)18AH BATTERIES

VOLTAGE DROP CALCULATION
WORST CASE VOLTAGE DROP AT THE LAST DEVICE

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

$$VD = \frac{K * I * 2L}{CM}$$

SIGNAL CKT NO.	AMPERES	APPROX LENGTH	RESISTIVITY OHM	WIRE AWG	AREA CM	VOLTS DROPPED	% VOLTS DROP
CKT. 1	0.82A	470'	21.6	12	6530	1.275V	5.3%
CKT. B	0.410A	210'	21.6	12	6530	0.285V	1.2%

SIGNAL CIRCUIT LOAD SUMMARY

	OUTDOOR SPEAKER 0.050A	VISUAL 15cd 0.041A	SPEAKER/STROBE 15cd 0.078A	SPEAKER/STROBE 30cd 0.096A	SPEAKER/STROBE 75cd 0.180A	SPEAKER/STROBE 110cd 0.225A	MINI HORN 90dba 0.025A	SYNC MODULE 0.045A	TOTAL
CKT. #1	2	0	0	0	4	0	0	0	0.82A
#B	1	0	0	0	2	0	0	0	0.410A

FA CABLE SCHEDULE

TYPE	DESCRIPTION
A	INITIALING CIRCUIT CABLE 2#16 AWG SOLID COPPER PVC JACKET POWER LIMITED FPLR CABLE, FOR INDOOR VIA J–HOOK AND OUTDOOR VIA MIN. 3/4" CONDUIT INSTALLATION. WEST PENN #D990 OR EQUAL. CSFM# 7161–0859:0101
B	NAC SIGNAL CIRCUIT CABLE 2#12 AWG SOLID COPPER PVC JACKET POWER LIMITED FPLR CABLE, FOR INDOOR VIA J–HOOK AND OUTDOOR VIA MIN. 3/4" CONDUIT INSTALLATION. WEST PENN #AQ227 OR EQUAL. CSFM# 7161–0859:0101

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 1006.2.4.2.2.1.5)

SHEET NOTES

(1) PROVIDE NEW FIRE ALARM SIGNAL AND AUDIO BOOSTER PANEL AND CONNECT TO (E) FACP PER RISER DIAGRAM. PROVIDE 110V POWER CONNECTION AND DEDICATED CIRCUIT FROM PANEL A–24. PROVIDE FIRE ZONE MAP, MEASURE ACTUAL LOAD CURRENT AND VOLTAGE DROP FOR EACH NAC SIGNAL CIRCUITS, AND STANDBY CURRENT AND ALARM CURRENT. SEND THE REPORT TO OWNER AND ENGINEER FOR REVIEW, AND PLASTIC LAMINATED ONE COPY INSIDE CABINET DOOR. SEE FA RISER DIAGRAM FOR DETAIL.

(2) LOCATE HEAT DETECTOR IN ATTIC AND SURFACE MOUNT ON THE BOTTOM OF RAFTER. DETECTOR COVERAGE WILL BE DERATED 50% ACROSS THE RAFTER. FIELD VERIFY LOCATION WITH GENERAL CONTRACTOR AND PROVIDE ATTIC HEAT DETECTOR IN EACH BAY OF STRUCTURAL.

(3) EXISTING CEILING SMOKE DETECTOR 5 FEET FROM EXISTING NAC SIGNAL EXPANDER PANEL. SEE DSA APPL#03–115601 FA DRAWINGS.

(4) NEW FATC ON BUILDING EXTERIOR WALL. EXTEND NEW FA CONDUIT AND WIRING TO NEW BUILDINGS PER PLANS. FIELD VERIFY LOCATION.

(5) 3/4"C FA CONDUIT ON BUILDING EXTERIOR WALL. FIELD VERIFY LOCATION.

(6) PROVIDED 3/4" WEATHERPROOF FLEX CONDUIT BETWEEN BUILDING.

(7) PROVIDE NEW FIRE ALARM DIGITAL VOICE COMMAND CENTER AND INTER CONNECT TO EXISTING FIRE ALARM CONTROL PANEL AND SURFACE MOUNT NEXT TO (E) FACE. FILED VERIFY EXACT LOCATION.

(8) EXISTING UNDERGROUND FA CONDUIT, PULL IN NEW FA CABLE PER PLANS. FIELD VERIFY LOCATION WITH OWNER AND GENERAL CONTRACTOR PRIOR TO INSTALLATION.

F.A SYSTEM SCOPE OF WORK

1. PROVIDE AUTOMATIC FIRE ALARM SYSTEM WITH VOICE EVACUATION SPEAKERS FOR THE NEW CLASSROOM BUILDINGS PER PLANS.
2. EXISTING FACP IS 24VDC ADDRESSABLE, AND CLASS B WIRING SYSTEM. AND WITH OFF SITE MONITORING SERVICE VIA AUTO DUAL LINE DIALER AND TELEPHONE LINES.
3. 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.
4. COMPLETE FIRE ALARM DRAWING SUBMITTAL IS PROVIDED.

FIRE ALARM NOTES

1. THE SYSTEMS SHALL CONFORM TO CALIFORNIA ELECTRICAL CODES ARTICLE 760, CALIFORNIA FIRE CODE ARTICLE 10 AND CALIFORNIA BUILDING CODE, SECTION 305.9.
2. FIRE ALARM CIRCUITS SHALL BE RUN IN EMT CONDUIT PER SPECIFICATIONS.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.
4. NO SPLICE SHALL BE PERMITTED IN PULLBOXES. ALL WIRE SHALL BE RUN CONTINUOUS BETWEEN TERMINAL CABINETS.
5. ALL PENETRATIONS IN FIRE–RATED ASSEMBLIES SHALL BE SEALED IN COMPLIANCE WITH CHAPTER 7, C.B.C.
6. AUDIBLE SIGNALS INTENDED FOR OPERATION IN THE PRIVATE MODE SHALL HAVE A SOUND LEVEL OF NOT LESS THAN 45 dBA AT 10 FT OR MORE THAN 130dBA AT THE MINIMUM HEARING DISTANCE FORM THE AUDIBLE APPLIANCE. AN AVERAGE SOUND LEVEL GREATER THAN 115 dBA REQUIRES THE USE OF A VISIBLE SIGNAL APPLIANCES. IF AUDIBILITY LEVEL DOES NOT MEET THE REQUIREMENT AT THE TIME OF TESTING, NEW AUDIBLES AND REVISED PLANS WILL BE REQUIRED.
7. NEW FIRE ALARM AUDIBLES SHALL BE TAMPO CODE 3.
8. A CERTIFICATE OF COMPLETION SHALL BE PROVIEDE TO THE OWNER PER NFPA 72 AND THE CALIFORNIA FIRE CODE.
9. AN APPROVED FIRE ALARM SYSTEM SHALL BE INSTALLED AS SET FORTH IN THE CALIFORNIA FIRE CODE IN GROUP, DIVISION 1, 2, AND 2.1 OCCUPANCIES. (303.9, CBC)
10. THE ALARM SYSTEM SHALL BE INSTALLED, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATIONS.
11. THE FIRE ALARM SYSTEM SHALL CONFORM TO CALIFORNIA ELECTRICAL CODE AND ARTICLE 91. INSTALLATION OF THE SYSTEM SHALL NOT BEGIN UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING SFM LISTING NUMBERS FOR EACH COMPONENT HAVE BEEN APPROVED BY DSA. UPON COMPLETION OF THE INSTALLATION. A TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE INSPECTOR OF RECORD.
12. ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 dBA ABOVE THE AVERAGE AMBIENT NOISE MEASURE @ 10' BUT/NOT LESS THAN 110dBA IN TOTAL THROUGHOUT. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS.
13. THE ALARMS SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ) NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHAL APPROVED AND LISTED.

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 UUFX OR UUJS BY UNDERWRITERS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BY ARRANGED BY OWNER.

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Revision: | Revision Description: | Rev. Date:

Sheet Title: FIRE ALARM PLAN

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BAKERSFIELD CITY SCHOOL DISTRICT
2400 TRUXTUN AVE., BAKERSFIELD, CA

Issue Date: 00/00/16
Date: 5/31/16
Designer: J CHONG
DR: J CHONG
PC: CJM

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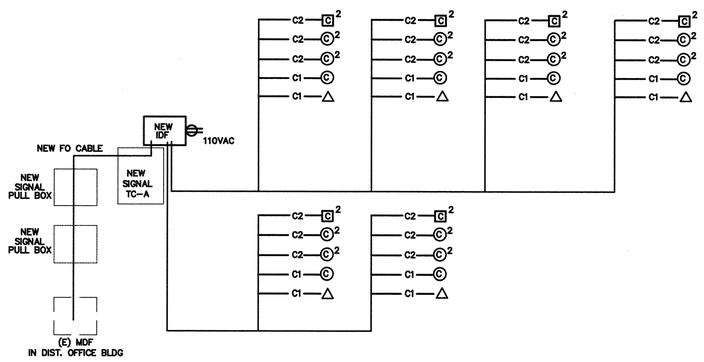


FIBER OPTIC CABLE
THREE MULTIMODE PAIRS (SIX STRANDS) AND THREE SINGLE-MODE PAIRS (SIX STRANDS)
OPTICAL CABLE COMPANY # DX 12/065D-6W3SB/1UC-6SYMC-YMD/900-OFNR OF EQUAL

CATSE CABLE
5ENP4P24-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.

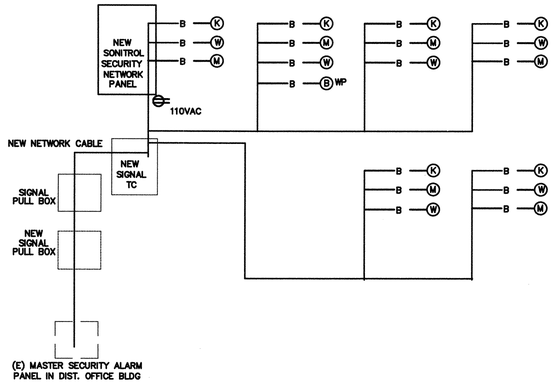
IDF SWITCH EQUIPMENT

F/O	CISCO WS-C2950G-24 W/ WS-C5484 GBIC
TP	CISCO WS-C2950-24
CABINETS	SOUTH WESTERN DATA PRODUCT SWE 4000-18UDBLK OR EQUAL
JACKS	ALLEN TEL AT55-16 OR EQUAL
FACEPLATE	ALLEN TEL AT3O-2-09 OR EQUAL
PATCH PANEL	ALLEN TEL ATPNL-24 OR EQUAL

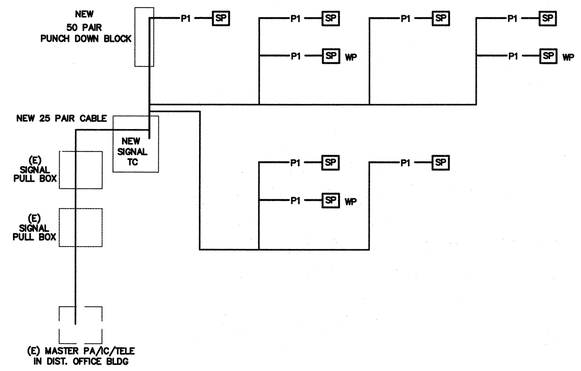
LABELING IDENTICATION
ALL INSTALLED EQUIPMENT, CABLES, TERMINATIONS, ETC. WILL BE PERMANENTLY AND UNIQUELY MARKED. CABLES WILL BE MARKED USING A CONVENTION THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION. LAN TERMINATIONS WILL SIMILARLY BE MARKED TO UNIQUELY IDENTIFY THEM WHILE PROVIDING THE SOURCE AND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

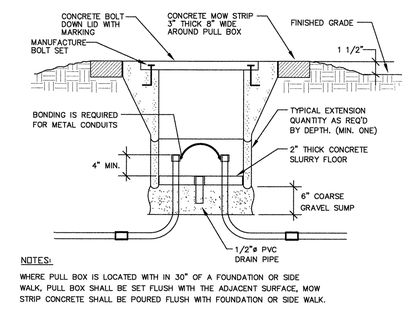
7 DATA COMMUNICATION SYSTEM RISER DIAGRAM
N.T.S



5 SECURITY ALARM SYSTEM RISER DIAGRAM
N.T.S

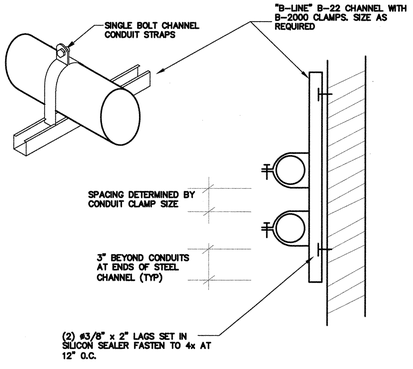


2 PA/IC/TELE SYSTEM RISER DIAGRAM
N.T.S

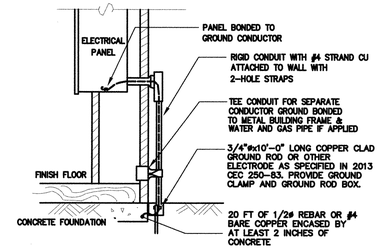


NOTES:
WHERE PULL BOX IS LOCATED WITH IN 30" OF A FOUNDATION OR SIDE WALK, PULL BOX SHALL BE SET FLUSH WITH THE ADJACENT SURFACE, MOW STRIP CONCRETE SHALL BE POURED FLUSH WITH FOUNDATION OR SIDE WALK.

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

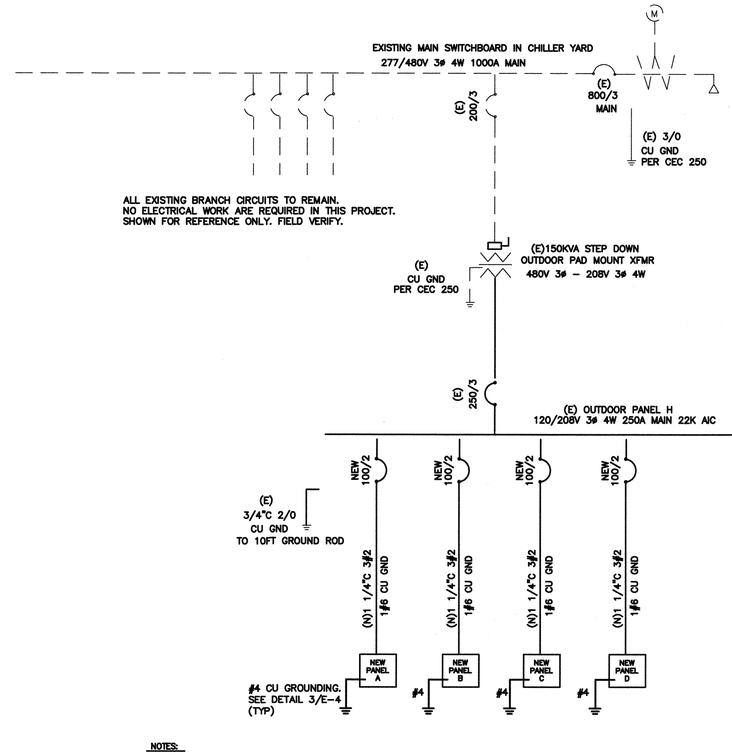


6 CONDUIT SUPPORT DETAIL
N.T.S



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 EXCEED 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (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/DERATED 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 GRAD 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

CONSULTING ENGINEERS
JOHN CHONG ENGINEERING
1057 E. DECATUR AVE. FRESNO CA 93720
(559) 325-3388 • FAX 251-3401
jcengineer@aol.com

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

integrated designs by SOM&M, Inc.
ARCHITECTURE · ENGINEERING · INTERIOR DESIGN · CONSTRUCTION MANAGEMENT
6011 N. Fresno, Suite 130 – Fresno, California 93710
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www.Integratedsdesigns.com

Revision:	Revision Description:	Rev. Date:	Revision:	Rev. Date:	Revision Description:	Rev. Date:

Sheet Title: DETAILS AND SYSTEM DIAGRAMS

Project Name & Address:
6 RELOCATABLE CLASSROOMS
FRANKLIN ELEMENARY SCHOOL
BAKERSFIELD CITY SCHOOL DISTRICT
2400 TRUXTUN AVE., BAKERSFIELD, CA

Issue Date:	Date:	Designer:	DR:	PC:
00/00/16	5/31/16	J CHONG	J CHONG	CJM

Agency Approval Stamp:
FILE #: 15-6
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-117026
AC. FLS SS
DATE 6/1/16
TRACKING #: DSA TRACKING NO

Stamp(s):

LICENSED ARCHITECT
CURTIS E. FLYNN
No. C 28966
REN. 5-31-19
STATE OF CALIFORNIA

Job No.: 5142

Sheet No.: E-4

Release:

JOB #3275

RELOCATABLE BUILDING(S)

FOR

WILLIAMS SCOTSMAN

PC-270

24' x 40'

BUILDING DATA

BUILDING SIZE	24' X 40'
OCCUPANCY	E - 2
TYPE OF CONSTRUCTION	V - N
WIND LOAD	80 MPH. EXP. "C"
FLOOR LIVE LOAD	50 PSF [redacted]
ROOF LIVE LOAD	20 PSF
BUILDING AREA	960 SF
STRUCTURAL DESIGN	RIGID FRAME

APPLICABLE CODES

- TITLE 24, CCR, PART 2, 1995 CBC (94 UBC W/95 CA AMENDMENTS)
- 1994 UBC & 1997 CA AMENDMENTS (95 CBC - PART 2, TITLE 24, CCR)
- 1993 NEC & 1997 CA AMENDMENTS (95 CEC - PART 3, TITLE 24, CCR)
- 1994 UMC & 1997 CA AMENDMENTS (95 CMC - PART 4, TITLE 24, CCR)
- 1994 UPC & 1997 CA AMENDMENTS (95 CPC - PART 5 TITLE 24, CCR)
- 1994 UNIFORM FIRE CODE W/ STATE AMENDMENTS (CALIFORNIA FIRE CODE -1995- PART 9, TITLE 24, CCR)
- 1994 BUILDING STANDARDS CODE (95 STATE REFERENCED STANDARDS CODE - PART 12, TITLE 24, CCR)
- TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS.

SYMBOLS

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

N 58

1. MODTECH HEREBY CERTIFIES THAT NO ASBESTOS CONTAINING PRODUCTS OR MATERIALS ARE USED IN THE CONSTRUCTION OF THIS BUILDING.
2. N.I.C. MEANS NOT INCLUDED IN MODTECH'S CONTRACT.
3. AS ALTERNATE FOR HOT PIN ATTACHMENTS, USE #10 S.T.S.M.S. AT SAME SPACING
4. SPECIFICATIONS SUBJECT TO CHANGE DUE TO PRODUCT IMPROVEMENT.

SHEET INDEX

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101197
MAR 08 1999
ACP: T. Schnable
FLS: P. Allaire
SS: G. Hams
REVISED
FLS: P. Allaire
ACP: D. Ferguson
SS: G. Hams

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
03 117036
AC FLS SS RBH
DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101527
AC FLS SS
DATE SEP 02 1999
ACP: G. Rook
Kd Errevis

WITH THE SIGNING OF TH... DRAWINGS, WE ACKNOWLEDGE THAT WE HAVE REVIEWED THESE PLANS AND SPECI... AND HAVE FOUND THEM TO BE IN GENERAL COMPLIANCE WITH THE ... DRAWINGS, SPECIFICATIONS AND ASSOCIATED ADDENDA. WHEN THESE PLANS AND ... SPECIFICATIONS HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITECT, ... SHALL PRESIDE OVER CONFLICTING AREAS IN THE SAID DRAWINGS AND SPECIFICATIONS ... ANY ADD... THERETO.

REVISED

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	Division of the State Architect
1 2 3 4 5			REGISTERED PROFESSIONAL ENGINEER S. V. MISTRY No. S3462 STRUCTURAL STATE OF CALIFORNIA 02/02/99		IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-270 AC FLS SS DATE FEB 19 1999

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

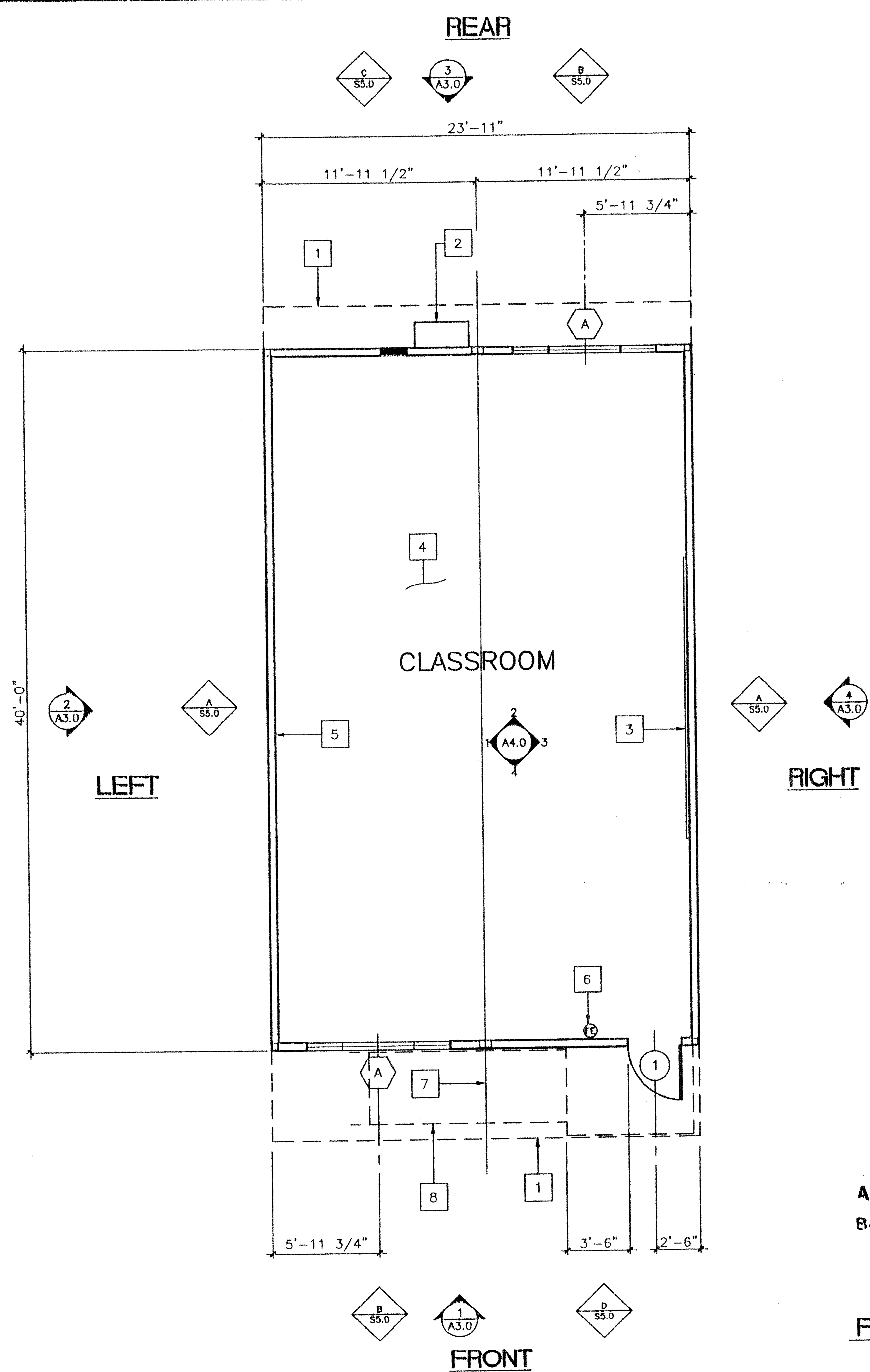
PROJECT NUMBER

TITLE SHEET

DRAWN BY: RVF
DATE: 2-2-99
CHECKED BY:
DATE:
MODTECH PROJECT NO: 3275
MODTECH Index No.

A.0

PROJECT NO. 3275 PC-PC-270



A-SHOWN
B-OPPOSITE

FLOOR PLAN 24' X 40'
SCALE: 1/4" = 1'

KEY NOTES

1	ROOF OVERHANG
2	HVAC UNIT HV
3	2- 8'X4' MARKER BOARDS (SEE SPEC'S. FOR TYPE)
4	FINISH FLOORING: (SEE FINISH SCHED.) A5.0
5	TYPICAL INTERIOR FINISH (SEE FINISH SCHEDULE) A5.0
6	FIRE EXTINGUISHER – 5 LBS. DRY CHEMICAL WITH 2A-10BC U.L. RATING ON WALL MTD. BRACKET. HANDLE AT 48" A.F.F.
7	MODLINE (M TYPICAL)
8	RAMP (SEE R1.0 & R2.0)

NOTES

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

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04 101527
SEP 02 1999

FILE PATH: -A10.DWG

PROJECT NO. XXXX

BASED ON PC-270

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL AC FLS SS DATE

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

PROJECT NUMBER: XXXX

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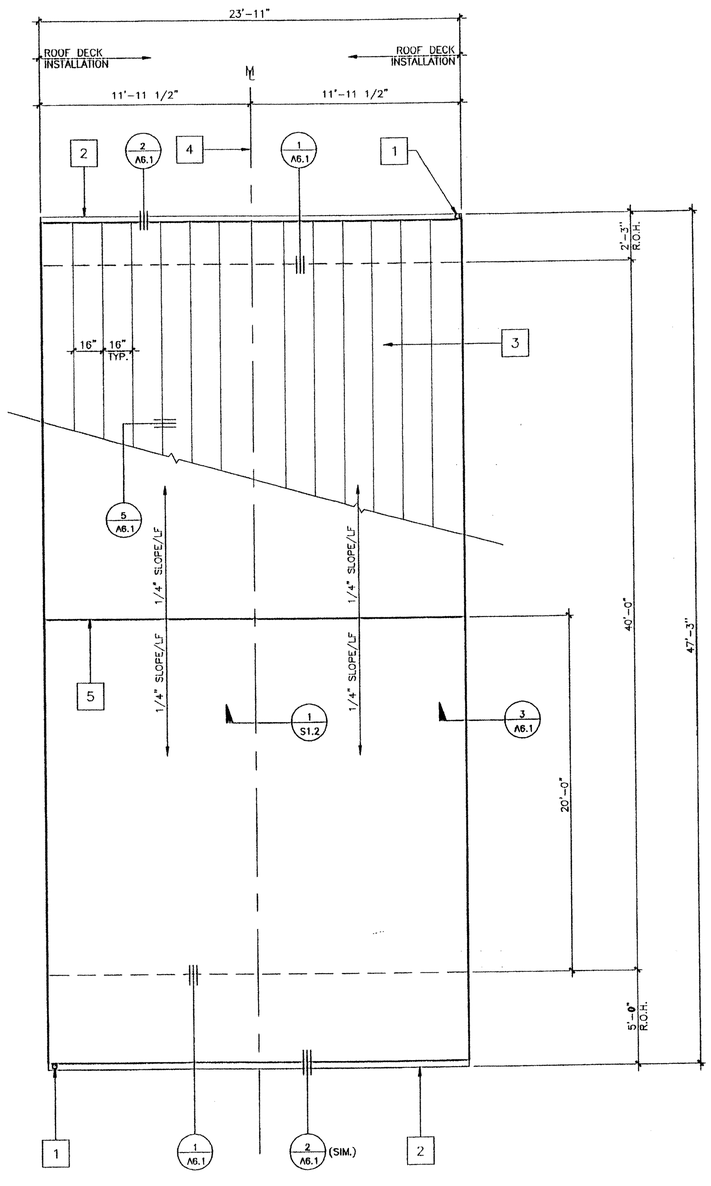
DRAWN BY: --
DATE: --
CHECKED BY:
DATE:
MODTECH PROJECT NO: XXXX
MODTECH Index No.

FLOOR PLAN

A1.0

REAR



LEFT

RIGHT

FRONT

ROOF PLAN (DUAL SLOPE) (24'X40')

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

KEY NOTES

1. DOWNSPOUT (TYPICAL 3" X 2" X 26GA)
2. CONTINUOUS GUTTER 26GA.
3. 22GA. MIN. INTERLOCKING ROOF PANELS (TYP)
4. MODLINE
5. RIDGELINE

NOTES

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

FILE PATH: PC270A20.DWG

REVISED G2

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 101527 FLS SS JP DATE SEP 07 1999

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 03 017036 DATE 6/1/14

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal — REGISTERED PROFESSIONAL ENGINEER S. V. MISIRY No. S3413 STRUCTURAL STATE OF CALIFORNIA 02.08.99

Architects Seal

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC - 270 AC FLS SS DATE FEB 0 9 1999 REVISED

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

PROJECT NUMBER:

DRAWN BY: RVF DATE: 2-2-99
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MODTECH PROJECT NO:
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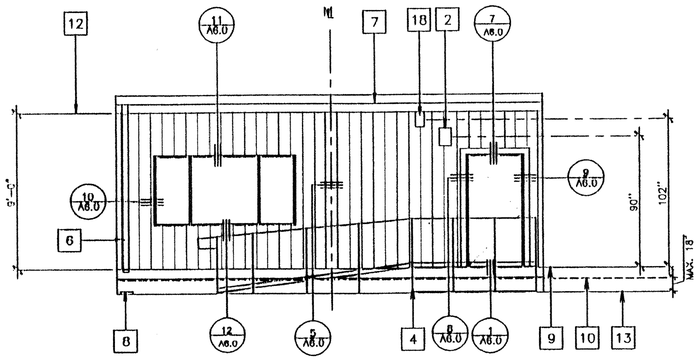
ROOF PLAN

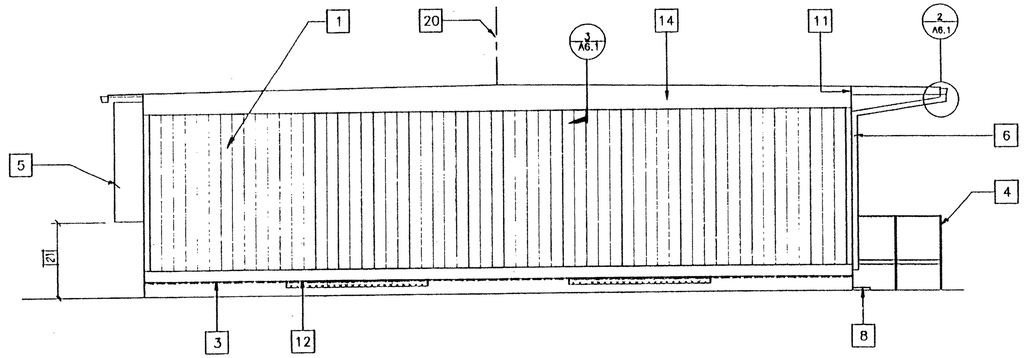
PROJECT NO. A2.0

PC-270



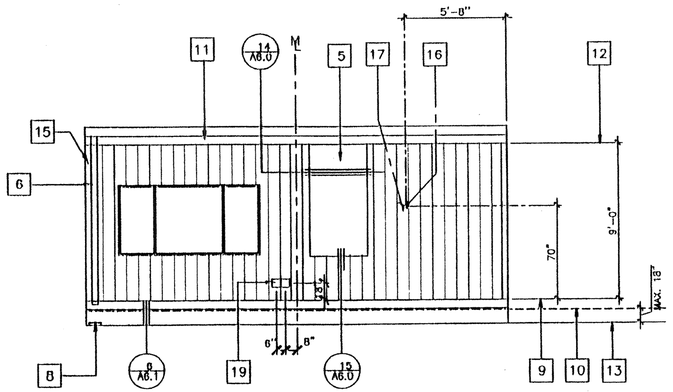
1 FRONT ELEVATION

1/4" = 1'-0"



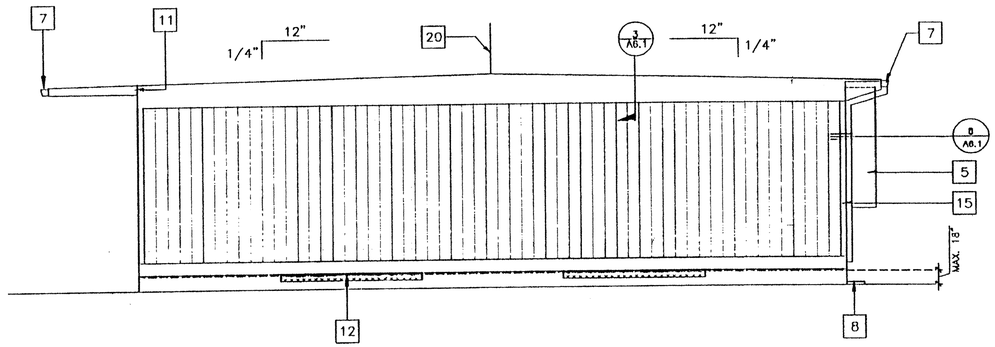
2 LEFT ELEVATION

1/4" = 1'-0"



3 REAR ELEVATION

1/4" = 1'-0"



4 RIGHT ELEVATION

1/4" = 1'-0"

"A" = SHOWN
"B" = OPPOSITE

KEY NOTES

1. TYPICAL EXTERIOR SIDING (SEE A5.0)
2. EXTERIOR LIGHT FIXTURE (SEE SPEC'S)
3. TOP OF SKIRTING
4. RAMP AND LANDING SEE SHT. R-1
5. HVAC UNIT. SEE (HV)
6. DOWNSPOUT (TYP.) FOR (2). FASTEN TO BLD'G. TYP 3 PLACES (SEE 8/A6.1)
7. CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOWN ON ROOF PLAN) SEE A2.0
8. SPLASH BLOCK (BY OTHERS)
9. FINISH FLOOR LINE
10. BOTTOM FLANGE OF FLOOR BEAM
11. ROOF HEADER
12. VENT. SEE FOUNDATION PLAN
13. FINISH GRADE
14. ROOF BEAM SEE (STR)
15. COLUMN SEE (STR)
16. ELECTRICAL STUB-OUT SEE (EL)
17. GROUND STUB-OUT SEE (EL)
18. J BOX FOR EXT. FA HORN SEE (EL)
19. NEMA 6" X 6" GUTTER BOX SEE (EL)
20. RIDGE
21. IF UNIT IS LOCATED SO AS TO BE IN ANY PATH OF TRAVEL PROVIDE PROTECTION TO 27". (BY DISTRICT)

NOTES

1. SEE FOUNDATION PLAN FOR SIZE AND LOCATION OF UNDER FLOOR VENTS.

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JUL

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04 101527
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FILE PATH: PC270A30.DWG

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	
1			REGISTERED PROFESSIONAL ENGINEER S. Y. MISHTY No. S3413 Exp. 12-31-99 STRUCTURAL STATE OF CALIFORNIA 02/08/99		
2					
3					
4					
5					

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC - 270
AC. FLS SS
DATE FEB 19 1999
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MODTECH

MODTECH INC.
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FAX (909) 940-0427

PROJECT NUMBER:

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DATE: 2-2-99
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DATE:
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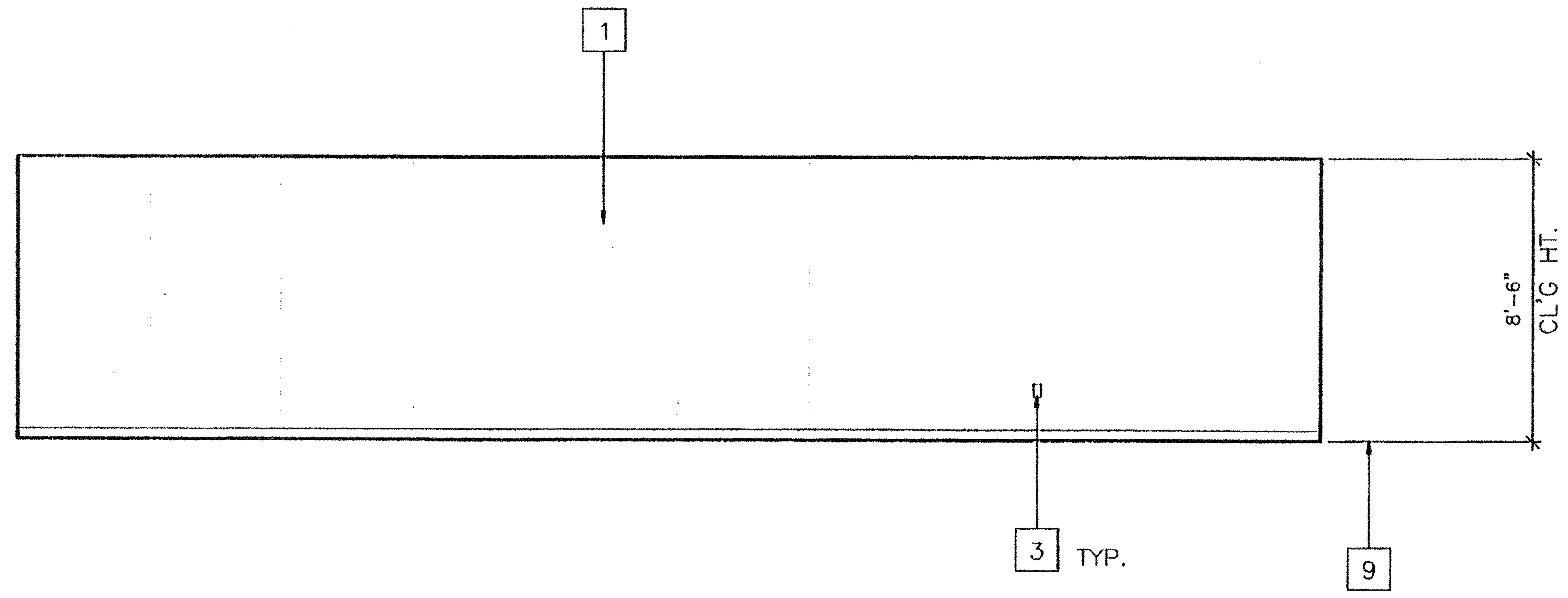
MODTECH Index No.

EXTERIOR ELEVATIONS

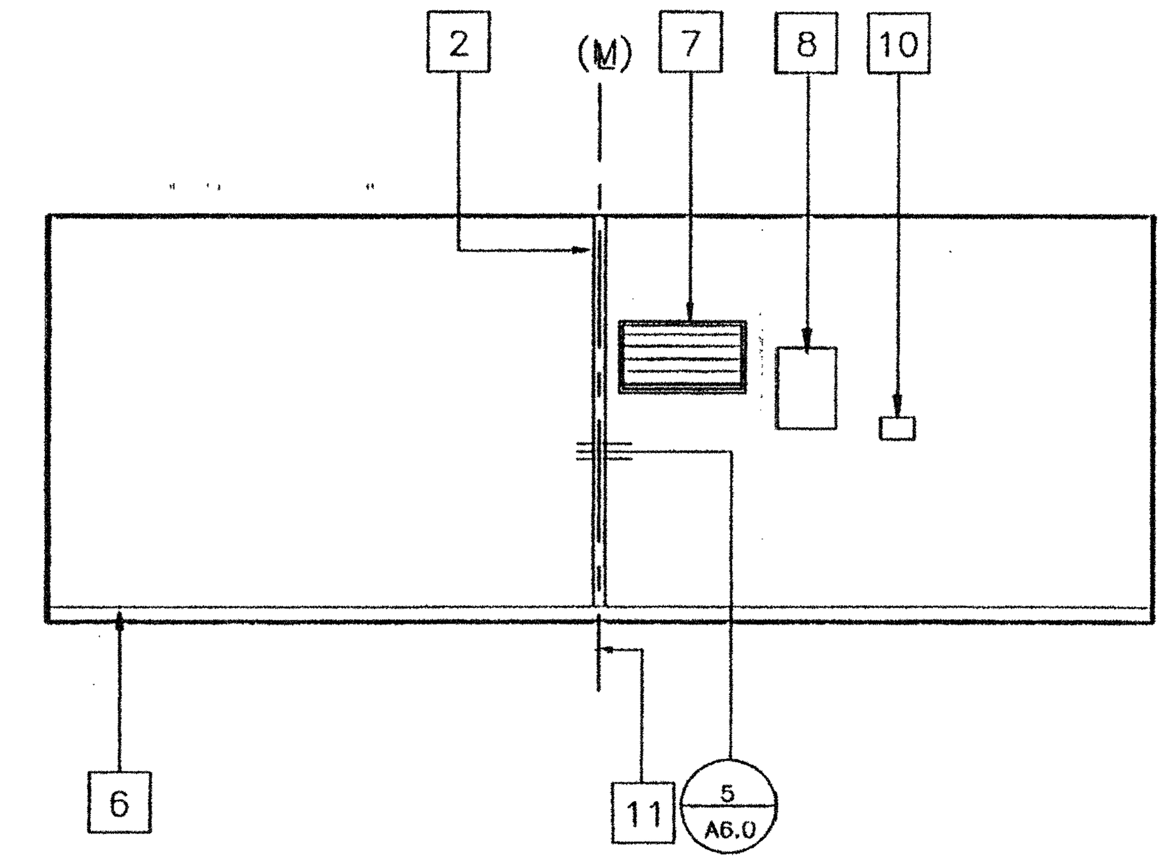
A3.0

PROJECT NO.
PC-270



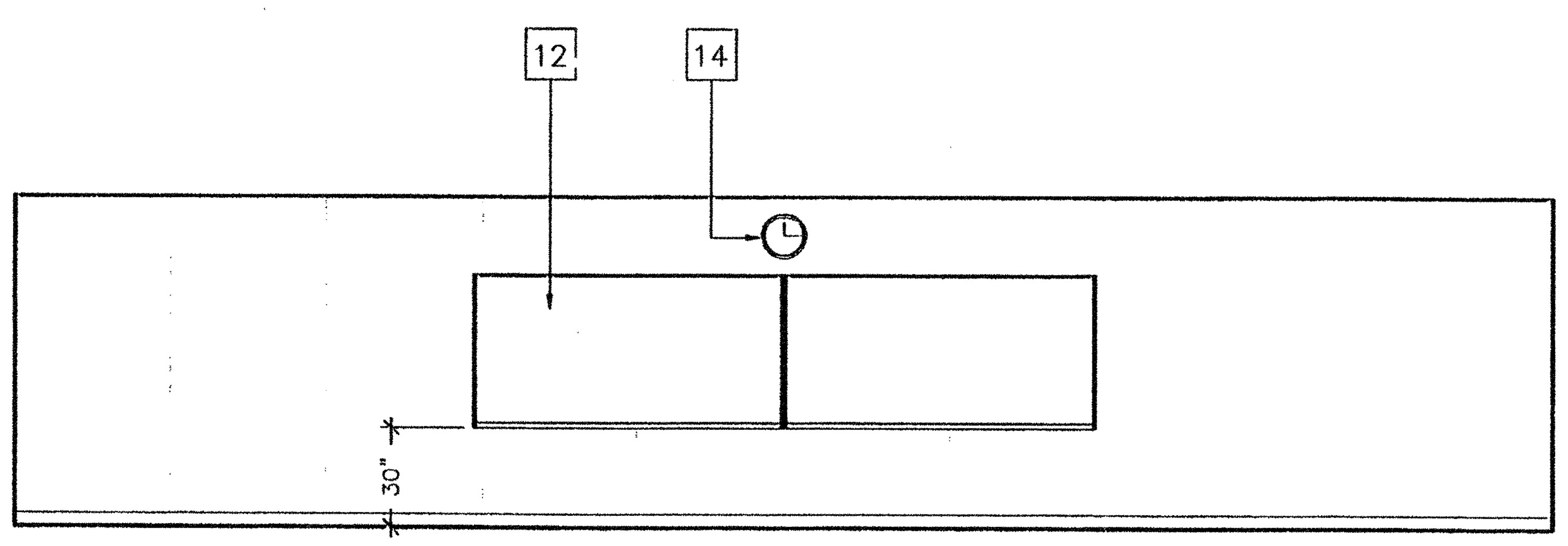
1 LEFT ELEVATION

SCALE



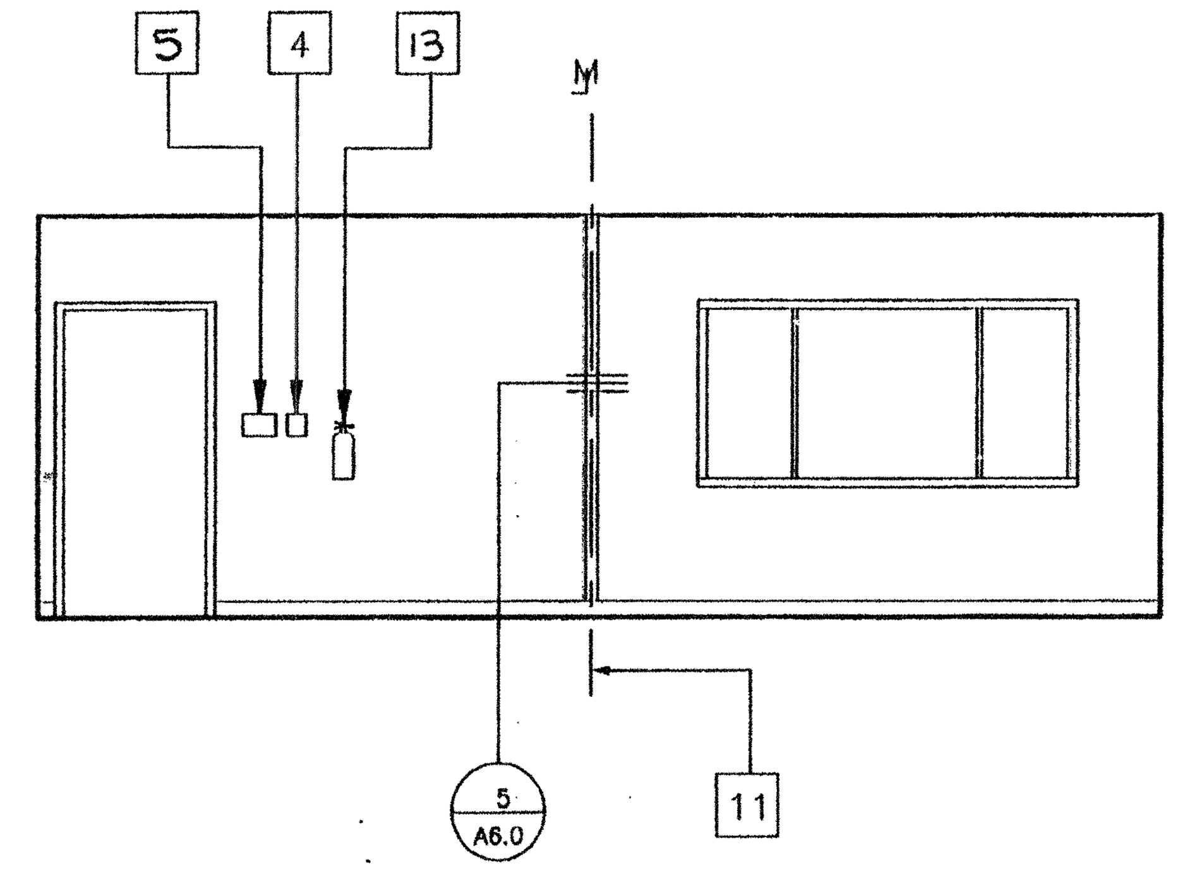
2 REAR ELEVATION

SCALE



3 RIGHT ELEVATION

SCALE



4 FRONT ELEVATION

SCALE

KEY NOTES

1	TYPICAL INTERIOR FINISH (SEE FINISH SCHEDULE SHT.A5.0)
2	CLOSURE AT MODULAR JOINT
3	DUPLEX WALL RECEPTACLE (EL)
4	FIRE ALARM PULL STATION (EL)
5	LIGHT SWITCH (EL)
6	TOP SET BASE (TYPICAL) SEE FINISH SCHED.
7	RETURN AIR GRILL
8	ELECTRICAL PANEL (EL)
9	FINISH FLOOR
10	THERMOSTAT (HV)
11	MODULAR JOINT
12	8040 MARKBOARD. TYPICAL FOR (2)
13	FIRE EXTINGUISHER: 5LBS. DRY CHEMICAL WITH 2A-10BC U.L. RATING ON WALL MTD. BRACKET, HANDLE AT 48" A.F.F.
14	12" DIA. ELECTRIC CLOCK. (EL)

REVISED JUL 1 1999

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

04 101527

SEP 0 2 1999

INTERIOR ELEVATIONS (24' X 40')

SCALE 1/4"=1'-0"

BASED ON PC 270

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	Division of the State Architect
1, 2, 3, 4, 5					IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL AC____ FLS____ SS____ DATE____

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

PROJECT NUMBER:

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DATE:
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DATE:
MODTECH PROJECT NO:

INTERIOR ELEVATIONS

MODTECH Index No. A4.0

FILE PATH:

PROJECT NO.

PC-

DOOR SCHEDULE

DOORS							FRAMES					
DOOR NUMBER	FRAME OPENING SIZE	MATERIAL	TYPE	FIRE RATING	HARDWARE SET NO.	QUANTITY	MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	JAMB THROAT	NOTE NO.
1	3'-0" X 6'-8"	HM	A	NA	1		HM	7/A6.0	8/A6.0	1/A6.0	5-1/8"	

HM – HOLLOW METAL
AL – ALUMINUM
SST – STAINLESS STEEL
STL – STEEL
WWF – WINDOW WALL FRAME
SC – SOLID CORE WOOD
HC – HOLLOW CORE WOOD
SCL – SOLID CORE WOOD W/LAMINATED PLASTIC FACES

WINDOW SCHEDULE

AMT.	TYPE	WIDTH	HEIGHT	FINISH	WIN. NO.	GLASS TYPE
2	1	8'-0"	4'-0"	ANODIZED	A	7/32" MIN. SOLAR GRAY 46%,SINGLEGLAZE

ROOM FINISH SCHEDULE

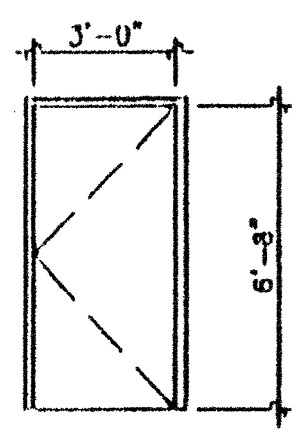
ROOM NUMBER	ROOM NAME	FINISHES								REMARKS
		FLOOR	BASE	WALLS FRONT	WALLS LEFT	WALLS REAR	WALLS RIGHT	CEILING	CEILING HEIGHT	
1	CLASSROOM	A	D	F	F	F	F	L	8'-6"	SEE SIGNAGE

A – CARPET PER STATE OF CALIF SPEC 7220-51E-04 COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN WITH 4" TOPSET BASE.
B – RESILLENT – SPECIFY OR EQUAL
C – VCT – ARMSTRONG STANDARD OR EXCELON
D – 4" BURKE
E – 6" BRIGANTINE OR SANDOVAL
F – 1/2" VINYL TACKBOARD CLASS-1 OVER 1/2" GYP. BOARD BACKING
G – 1/2" W.R. GYP. BOARD TAPE TEXTURE WITH PAINTED FINISH
H – 3/8" W.R. GYP. BOARD TAPE TEXTURE WITH PAINTED FINISH
I – 1/2" GYP. BOARD TAPE TEXTURE PAINTED WITH PAINTED FINISH
J – 3/8" GYP. BOARD TAPE TEXTURE PAINTED WITH PAINTED FINISH
K – 1/2" MARLITE OVER 1/2" W.R. GYP. BOARD
L – ACCOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)

NOTES

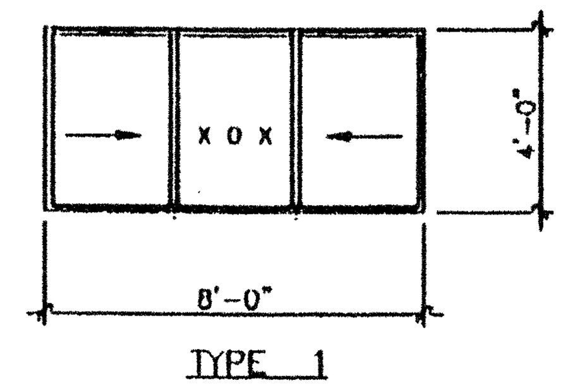
1. ALL FINISHES SHALL COMPLY WITH C.B.C. CHAPTERS 3,6,7,8, & 10 & C.F.C. & TITLE 19 C.C.R.
2. FOR DOOR AND DOOR FRAME DATA SEE SPECIFICATIONS ON SHEET A8.0.

DOOR ELEVATIONS



TYPE A

WINDOW ELEVATIONS



TYPE 1

DOOR NOTES

1. DOOR HANDLES FOR LOCKSETS TO BE CENTERED @ 38" AFF & DEADBOLTS @ 44" AFF.
2. HARDWARE TO BE OPENABLE FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
3. ALL DOORS SHALL BE 1-3/4" THICK UNO
4. DOUBLE LETTERS IN SCHEDULE, INDICATES A PAIR OF DOORS.
5. SAFETY GLASS, CLEAR
6. WIRE GLASS
7. UNDERCUT DOOR
8. FIXED LOUVER
9. FUSIBLE LINK LOUVER
10. VISION PANEL
11. CLOSURE SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 8.5 LBS @ EXTERIOR DOORS AND 5.0 LBS @ INTERIOR DOORS.

WINDOW NOTES

1. 8040 XOX ANODIZED ALUMINUM GLAZING: EXTERIOR LITE 3/16" MIN. TEMPERED GLASS OF SOLAR GRAY WITH A LITE TRANSMISSION FACTOR OF 46%. 1/4" ALUMINUM SPACER. INTERIOR LITE – 1/8 MIN. CLEAR TEMPERED. ALL OPERABLE SASH SHALL HAVE ALUMINUM SSCREENS.

FINISH NOTES

1. SUB-FLOOR PREP:

PREPARATION FOR SUB FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB FLOOR IS 2.4.1 PLYWOOD. OUTER PLY IS PLUGGED AND TOUCH SANDED, ANY DEFORMATIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTER. THE JOINT AT THE MODULEJOINING SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.

HARDWARE SCHEDULE

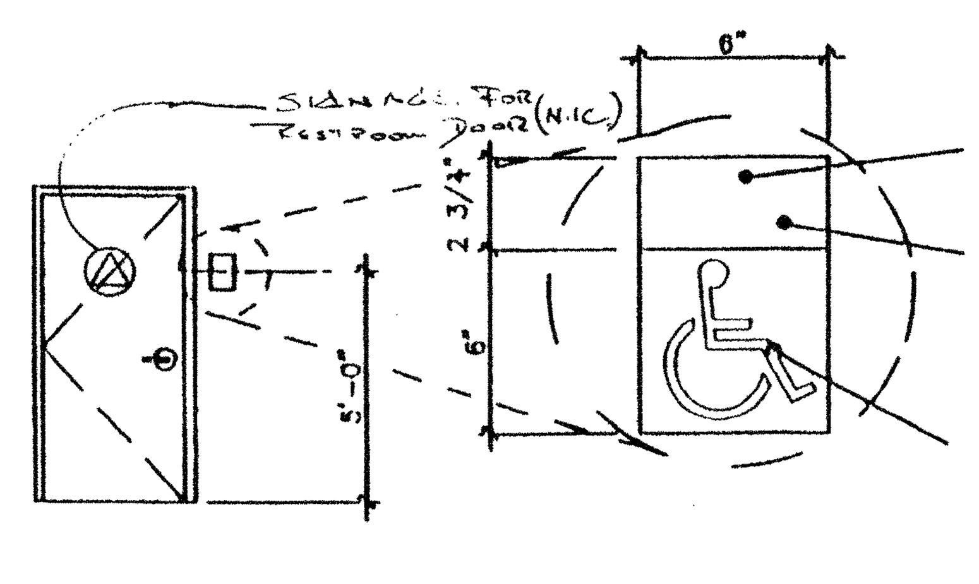
HARDWARE SET #1

- LOCKSET – SCHLAGE D70PD, RHODES LEVER, OR EQUAL
- BUTTS – 1-1/2 PAIR HAGER 1279 BB 4-1/2 x 4-1/2 NRP 26D OR EQUAL.
- CLOSER – NORTON 8500 DA / LCN 1460 OR EQUAL.
- THRESHOLD – PEMCO 271A OR EQUAL.
- DOOR BOTTOM – PEMCO 216AV OR EQUAL.
- WEATHERSTRIP – PEMCO 299AV OR EQUAL.
- DOOR STOP – QUALITY #44 OR EQUAL

HARDWARE SET #2 (INTERIOR TOILET ROOM / PRIVACY)

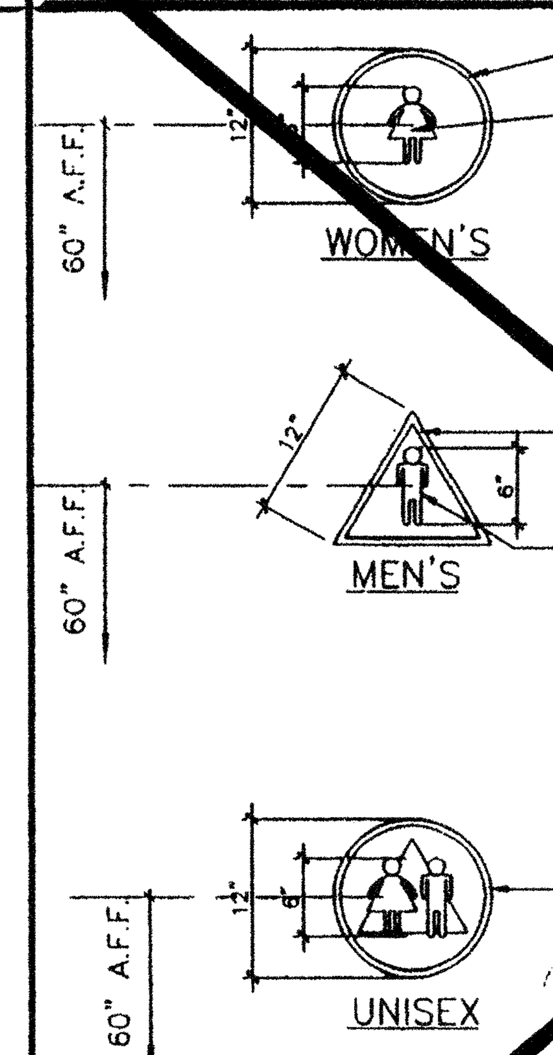
- LOCKSET – SCHLAGE D40S OR EQUAL
- BUTTS – 1-1/2 PAIR HAGER 1279 4-1/2 x 4-1/2 26D

ACCESSIBILITY SIGNAGE (BY DISTRICT)



ENTRY DOOR FROM EXTERIOR VIEW

ACCESSIBILITY SIGNAGE (AS REQUIRED - BY MODTECH)



1/2" WIDE BORDER
SUB-SURFACE IMAGE CENTERED ON SIGN

1/2" WIDE BORDER
SUB-SURFACE IMAGE CENTERED ON SIGN

1/4" THICK, 12" DIAMETER CIRCLE WITH 1/2" WIDE BORDER AND 1/4" TRIANGLE SUPERIMPOSED ON THE CENTER OF THE CIRCLE.

NOTE:

ATTACH SIGNS USING THREE (3) WOODSCREWS, COUNTERSUNK AND ADHESIVE SIGN SHALL BE CENTERED ON DOOR AND MOUNTED 60" ABOVE FLOOR. ATTACHMMENT OF SIGN SHALL BE FULLY CONCEALED AND TAMPER RESISTANT.

RADIUS CORNERS
CLEAR ACRYLIC PLASTIC
OPAQUE WHITE ACRYLIC PLASTIC BACK
PAINT BACKGROUND OF INTERIOR FACE OF CLEAR PLASTIC

TOILET SIGNAGE

SYMBOLS SHALL BE CONTRASTING IN COLOR FROM THE DOOR.

1/4" THICK, 12" DIAMETER CIRCLE FOR BOTH WOMEN/UNISEX

1/4" THICK, 12" SIDES EQUILATERAL TRIANGLE FOR MEN

REVISED JUL 1 1999
MAY 20 1999
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 101527
SEP 02 1999

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
03 117036
6/1/16

FILE PATH:

PROJECT NO.

PC-270

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	Division of the State Architect
1–6			No. S3183, STRUCTURAL, STATE OF CALIFORNIA, 02.08.99		REVISED IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-270

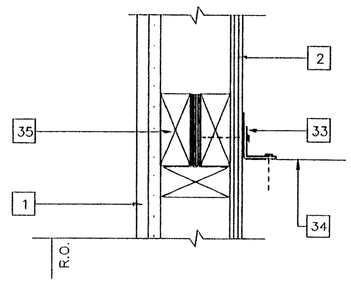
MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER:

DRAWN BY: RVF
DATE: 2-2-99
CHECKED BY: SS
DATE:
MODTECH PROJECT NO:
MODTECH Index No.

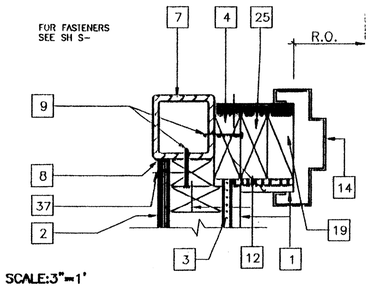
SCHEDULE SHEET

A5.0



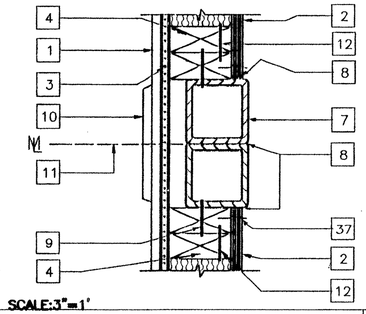
SCALE: NTS AC UNIT ATTACHMENT (SIDES)

17 UNIT ATTACHMENT



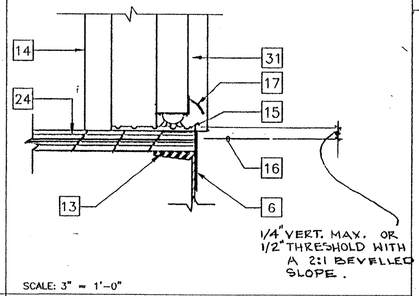
SCALE:3"=1'

13 DOOR JAMB



SCALE:3"=1'

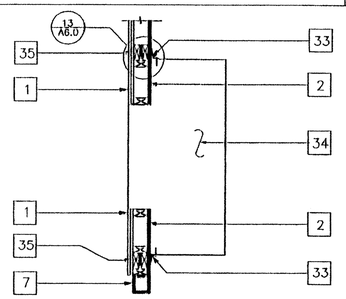
9 COLUMN • DODLINE



SCALE: 3" = 1'-0"

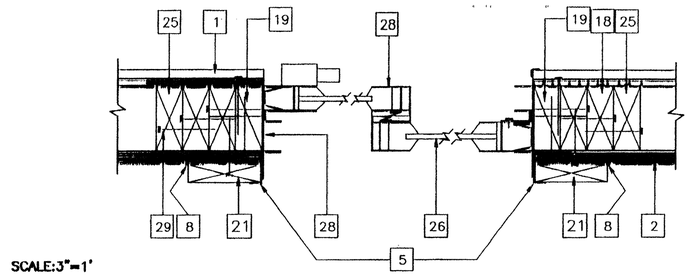
5 THRESHOLD

1



SCALE: NTS REF: SEE C/S5.0

18 A.C. UNIT (PLAN)

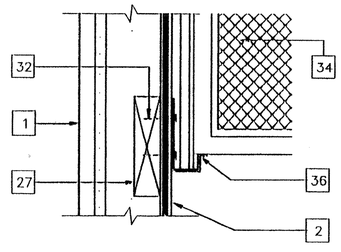


SCALE:3"=1'

14 WINDOWS SECTION • JAMBS

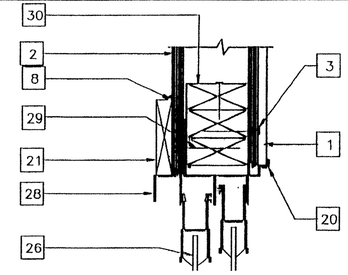
6

2



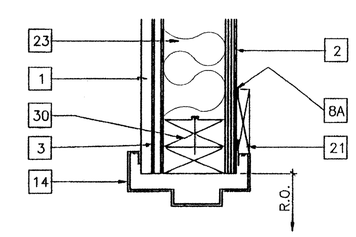
SCALE: 3"=1' REF: SEE C/S5.0

19 A.C. UNIT (BOTTOM)



SCALE: 1-1/2"=1'

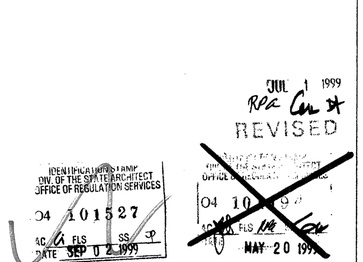
15 WINDOW HEADER



SCALE:3"=1'

11 DOOR HEADER

7



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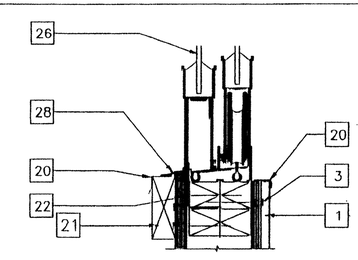
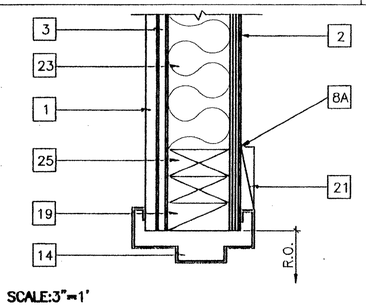


SCALE: 1-1/2"=1'

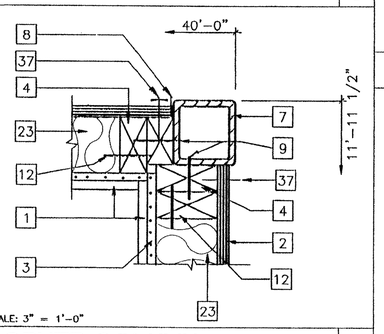
16 SILL PLATE



SCALE:3"=1'

12 DOOR JAMB

8 CORNER COLUMN



SCALE: 3" = 1'-0"

4

KEY NOTES

1. TYP. INTERIOR FINISH (SEE FINISH SCHEDULE)
2. TYPICAL EXTERIOR FINISH
3. 1/2" GYPSUM BOARD BACKING W/ 7d COOLER NAILS AT MAX 7" O.C. TYP. AT EA. STUD
4. 2X4 STUD TYP. AT 16" O.C. MAX.
5. CORNER MOLD
6. 26GA SHEET METAL FLASH 2" X 4" X LENGTH
7. TUBE STEEL COLUMN SEE [STR]
8. SEALANT TYP. (SEE SPECS.) [8A] SEALANT BEHIND TRIM
9. #10 S.T.S.M.S. AT MAX. 24" O.C. (ALT. HILTI 0.145 SHOT PIN) 2X FILLER TO COLUMN
10. VINYL CLOSURE
11. MODULE JOINT
12. 16d AT 24" O.C. FACE NAIL OR 16d AT 12" O.C. TOE NAIL (SEE SHEET S5.1)
13. FLOOR BEAM SEE [STR]
14. PRESSED STEEL FRAME (K.D. TYPE SEE A5.0)
15. ALUMINUM THRESHOLD (SEE HARDWARE SCHEDULE)
16. FINISH LANDING SEE FLOOR PLAN AND FOUNDATION FOR TYPE AND FINISH
17. DOOR BOTTOM (SEE HARDWARE SCHEDULE)
18. (2) 2X4 KING STUD (SEE SHEET S5.0)
19. 2X4 TRIMMER (SEE SHEET S5.0)
20. "Z" MOLD 26GA
21. 1X4 WOOD TRIM W/ 8d ELECTRO GALV. AT 12" O.C.
22. (2) 2X4 SILL PLATE W/ 16d AT 16" O.C.
23. INSULATION (SEE SPECS. FOR SIZE AND TYPE)
24. FINISH FLOORING (SEE FINISH SCHEDULE SHEET A5.0)
25. 2X4 JAMB STUDS (SEE SHEET S5.0) DETAILS FOR NUMBER OF STUDS REQUIRED AND NAILING SCHEDULE FOR NAILING
26. WINDOW GLAZING (SEE WINDOW SCHEDULE SHEET A5.0)
27. 2X6 LET IN (SEE WALL FRAMING SHEET S5.0)
28. ALUMINUM WINDOW FRAME WITH NAIL-ON FINISH. INSTALL W/ MIN. 3" BLDG. PAPER BETWEEN FINISH AND FRAMING. INSTALL WITH 8d AT MAX. 24" O.C.
29. 16d BOX STAGGERED AT MAX 24" O.C.
30. HEADER 12/S5.0
31. DOOR (SEE DOOR SCHEDULE) A5.0
32. 6-3/8"ø X 2" GALVANIZED LAG SCREWS
33. L 1-1/2"x1-1/2"x1/8"x18" LONG (BY HVAC MFR.) ATTACHED TO A/C W/ 4-#10 SELF TAPPING SHEET METAL SCREWS AND ATTACH TO WALL W/ 3"ø X 2" GALVANIZED LAG SCREWS
34. SIDE OF HVAC UNIT SEE [HV]
35. (3) 2X4 W/ PLYWOOD SPACER- BUILT- UP POST, 8d AT O.C. STAGGERED SPACER TO FIRST 2X4 16d AT 12" O.C. SECOND 2X4 12d AT 12" O.C. STAGGERED THIRD 2X4 ALTERNATE USE 4X4 POST
36. 11GA. X24" STEEL SUPPORT BRACKET
37. EN – 8d BOX ELECTRO GALV. AT 6" O.C.
    FN – 8d BOX ELECTRO GALV. AT 12" O.C.

NOTES

1. EN 8d ELECTRO GALV. AT 6" O.C.
2. FN Ed ELECTRO GALV. AT 12" O.C.
3. SEE SHEET S5.0 FOR TYPICAL WALL FRAMING NAILING

INSULATION MATERIALS INSULATED WITHIN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALLS, CRAWL SPACES, OR ATTICS SHALL HAVE A FLAMESPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450. EXCEPTIONS:
A: FOAM PLASTIC INSULATION SHALL COMPLY WITH SEC. 2602

B: WHEN MATERIALS ARE INSULATEDIN CONCEALED SPACES OF TYPES I, II, IV, AND V CONSTRUCTION, THE FLAME SPREAD AND SMOKE-DEVELOPED LIMITATIONS DO NOT APPLY TO FACINGS. IF THE FACING IS INSTALLED IN SUBSTANTIAL CONTACT WITH THE UNEXPOSED SURFACE OF THE CEILING, FLOOR OR WALL FINISH. (SEC. 707.3 CBC)

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER S. V. MISIRY No. S3413 Exp. 06/30/2000 STRUCTURAL STATE OF CALIFORNIA
02.08.99

Architects Seal

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC - 270
AC FLS SS
DATE FEB 10 1999
REVISED

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

PROJECT NUMBER:

© MODTECH, INC. 1999

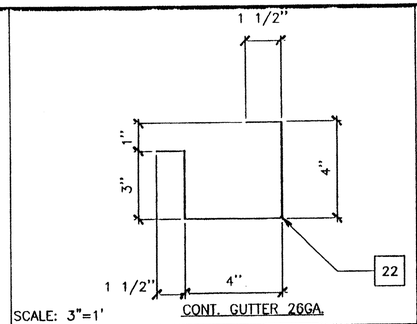
DRAWN BY: RVF DATE: 2-2-98
CHECKED BY: DATE:
MODTECH PROJECT NO:
MODTECH Index No.

ARCHITECTURAL DETAILS

A6.0

PROJECT NO. PC-270

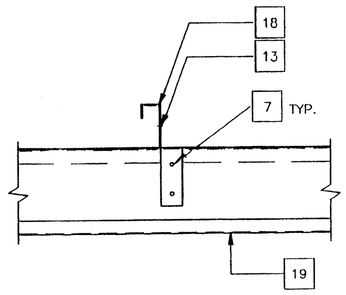
FILE PATH: PC270A60.DWG



SCALE: 3"=1'

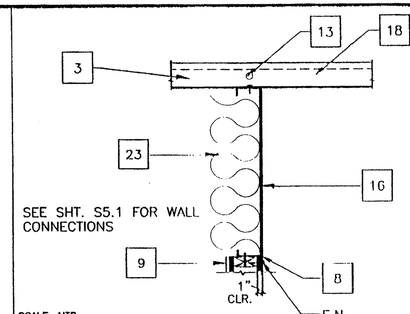
CONT. GUTTER 26GA.

17 | 13 | CONT. GUTTER AND CLOSURE | 9



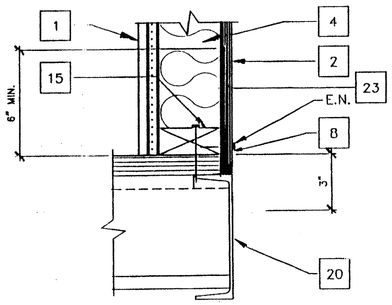
SCALE: NTS

ROOF STRAP DETAIL | 5

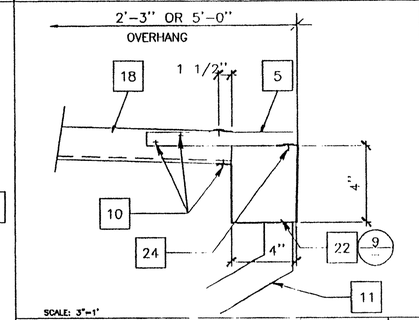


SCALE: NTS

END WALL AT ROOF | 1

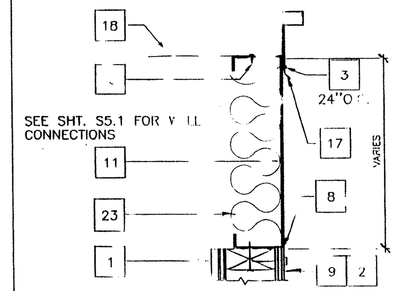


18 | 14 | 10



SCALE: 3"=1'

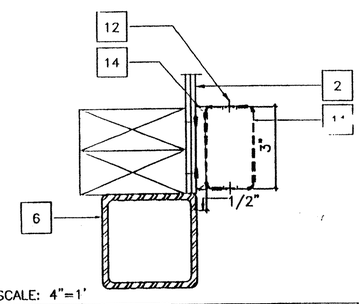
GUTTER @ ROOF HEADER | 2



SCALE: 3"=1'

NOTE: FLASHING AS SHOWN SUPPLIED BY MODTECH. SEE NOTE #: ANY OTHER FLASHING OR EXTENSIONS IS THE RESPONSIBILITY OF THE CONTRACTOR OR SCHOOL DISTRICT

19 | 15 | 11 | TYPICAL SILL @ FLOOR | 6 | ROOF FLASHING @ ROOF BM. | 3



SCALE: 4"=1'

20 | 16 | 12 | DOWNSPOUT ATTACHMENT | 8 | 4

KEY NOTES

1	TYP. INTERIOR FINISH
2	TYP. EXTERIOR FINISH
3	#14STSMS X 3/4" W/NEO WASHER 3 PER PAN MAX 6" O.C.
4	2X4 STUD TYP. 16" O.C.
5	1 1/2"X1 1/2" X 22GA ∠ CLIP AT 32" O.C.
6	TUBE STEEL SEE [STR]
7	1 1/2"X1 1/2" X 20GA COPED ANGLE W/2 #10 STSMS TO PURLIN (TYP) AT 8'-0" O.C.
8	SEALANT TYP. (SEE SPECIFICATIONS)
9	EXTERIOR WALL (SEE S5.1 FOR CONNECTIONS)
10	#14 STSMS AT EA STANDING RIB (16" OC)
11	DOWNSPOUT
12	#8 STSMS- 1 AT EA SIDE OF DOWNSPOUT TO BRACKET
13	(1) – #14 STSMS W/NEOPRENE WASHER THROUGH RIB
14	ATTACHMENT BRACKET(TYP 3 PLACES: TOP, BOTTOM & MIDSPAN W/ 2-#10 STSMS, BRACKET TO STUD)
15	2 X 4 SILL PLATE PER 4/S5.1
16	ROOF HEADER SEE [STR]
17	GI FLASHING 22GA
18	STANDING SEAM ROOF (SEE A2.0 FOR GA.)
19	ROOF PURLIN SEE [STR]
20	FLOOR BEAM SEE [STR]
21	NOT USED
22	CONTINUOUS 26GA. GUTTER (SEE 9/A6.1)
23	INSULATION (SEE SPECS FOR TYPE AND SIZE) (SEE NOTES/A6.0 FOR BURNING DATA)
24	#14 STSMS AT EACH CLIP (32" O.C.)

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 101127 AC FLS SS OTD DATE MAY 20 1999 REVISED JUL 1 1999

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 101527 AC FLS SS OTD DATE SEP 02 1999

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 03 117018 AC 1HR RSH DATE 6/1/16

FILE PATH: PC270A61.DWG

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal: REGISTERED PROFESSIONAL ENGINEER, S. V. MISIRY, No. S3913, Exp. 12-31-2000, STRUCTURAL, STATE OF CALIFORNIA, 02-08-99

Architects Seal

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-270 AC FLS SS OTD DATE FEB 10 1999 REVISED

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

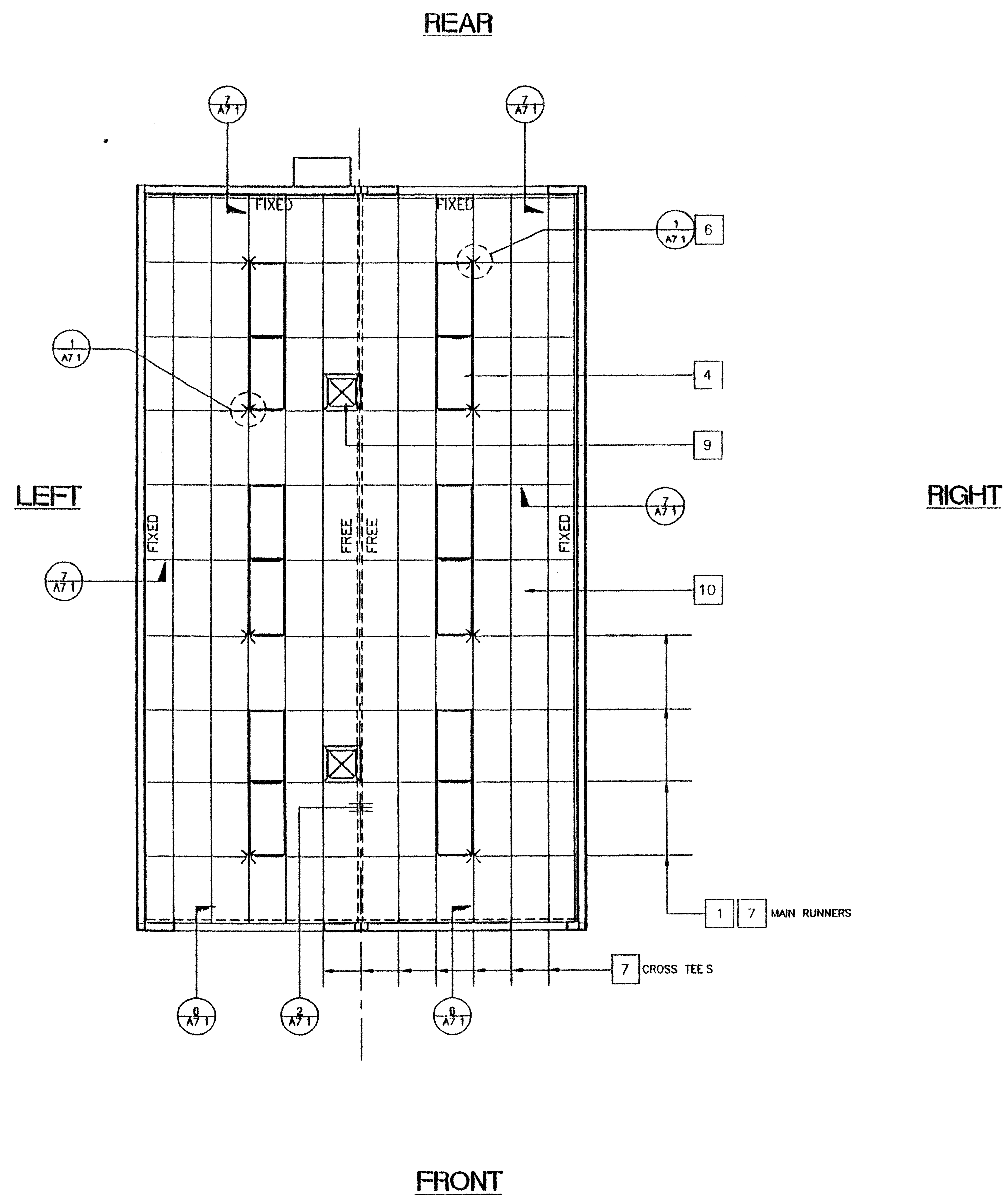
PROJECT NUMBER:

DRAWN BY: RVF
DATE: 2-2-99
CHECKED BY:
DATE:
MODTECH PROJECT NO:
MODTECH Index No.

ARCHITECTURAL DETAILS

A6.1

PROJECT NO. PC-270



REFLECTED CEILING PLAN (24'X40')

SCALE 1/4 = 1

KEY NOTES

1. MAIN RUNNERS @ 4 -0 W/12GA HANGER WIRES @ END OF EACH RUNNER
2. AT THE END OF ROWS OF RUNNERS A 12GA HANGER WIRE SHALL BE ATTACHED WITHIN 8 OF WALL OR SOFFIT
3. VERTICAL WIRES MORE THAN 1-IN-6 OUT OF PLUMB SHALL HAVE COUNTERBRACING WIRES
4. PROVIDE 2-12GA SLACK WIRES TO HOUSING OF ALL LIGHT FIXTURES AT DIAGONAL CORNERS. WIRES SHALL BE ATTACHED TO STRUCTURE OF LIGHT FIXTURES [illegible] RECESSED ATTACH FIXTURE TO GRID W/1-#8 SHEET METAL SCREW AT EACH CORNER
5. RUNNERS MAY BE ATTACHED TO WALLS OR MOLD AT 2-ADJACENT WALLS OTHER WALLS NO ATTACHMENT CLEARANCE OF 1/2 BETWEEN END OF RUNNERS AND FACE OF WALL
6. CEILING AREAS SHALL HAVE 2/4-WAY SPLAYS PER DETAIL 1 ON SHEET A7 1 IN LOCATIONS INDICATED ON DRAWINGS WIRES TAUT BUT NOT TO DISTORT GRID
7. T-BAR PART NUMBERS

	ARMSTRONG PA-041		
RUNNER MAIN	7301D		
4 CROSS TEE	7343		
2' CROSS TEE	7328		
WALL ANGLE	7800D		

8. DUCTWORK SHALL BE RIGIDLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 6 TO HANGER WIRES
9. REGISTERS SHALL BE POSITIVELY ATTACHED W/4-10GA SHEET METAL SCREWS (TYP 1 - AT EACH CORNER)
10. CEILING PANELS 2910

RPG REVISED JUL 1 1999

DIV OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 101527 DATE SEP 0 [illegible]

04 101[illegible] MAY 20 1999

LEGEND

- T & T BAR CEILING
- 2 X 4 ELEC FIXTURE RECESSED
- SUPPLY AIR DIFFUSER
- RETURN AIR DIFFUSER
- SPLAY WIRE 4 WAY
- INDICATES FIXED SIDE (SEE DETAIL 7/A7 1)
- INDICATES FREE SIDE (SEE DETAIL 6/A7 1)

FILE PATH

PROJECT NO

REVISIONS

Electrical Engineer s Seal | Mechanical Engineer s Seal | Structural Engineer s Seal | Architects Seal

02 08 99

Division of the State Architect REVISED IDENTIFICATION STAMP DIV OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-270 DATE FEB 19 1999

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

PROJECT NUMBER

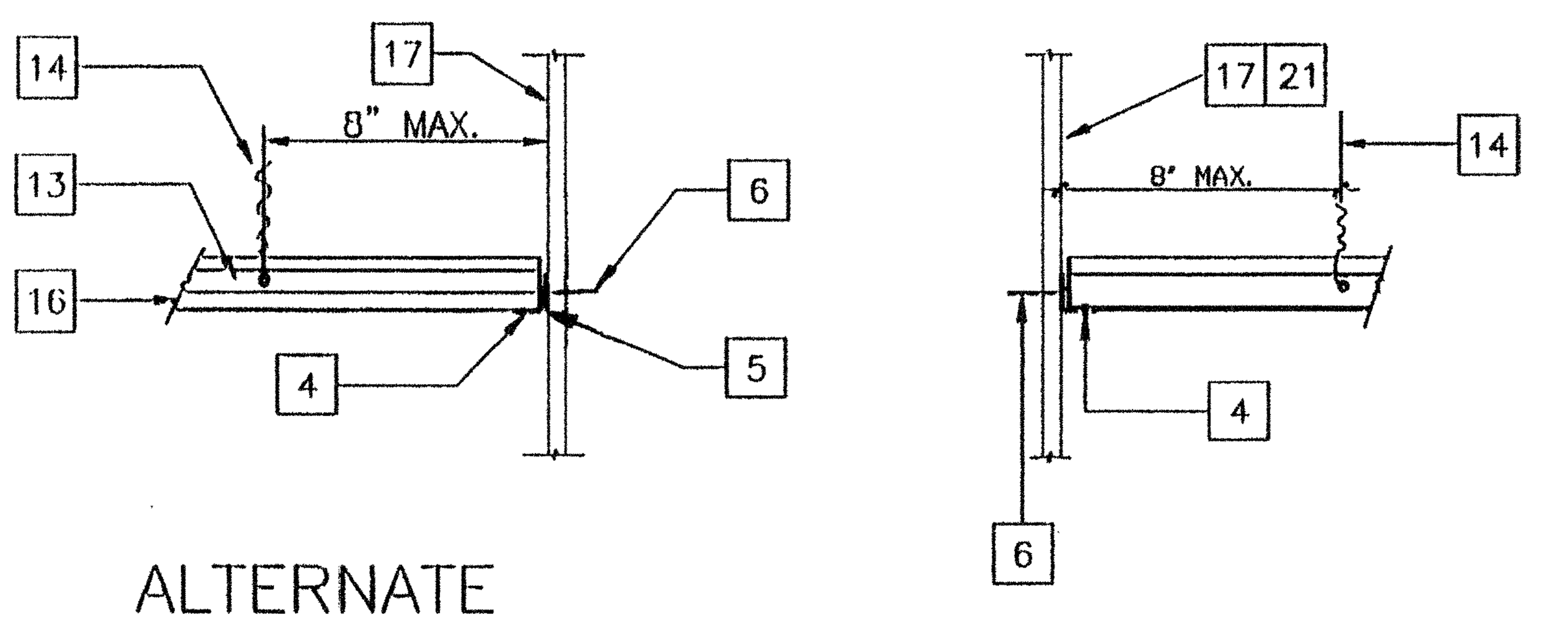
DRAWN BY RVF DATE 2-2-99 CHECKED BY SS DATE MODTECH PROJECT NO

MODTECH Index No

REFLECTED CEILING PLAN

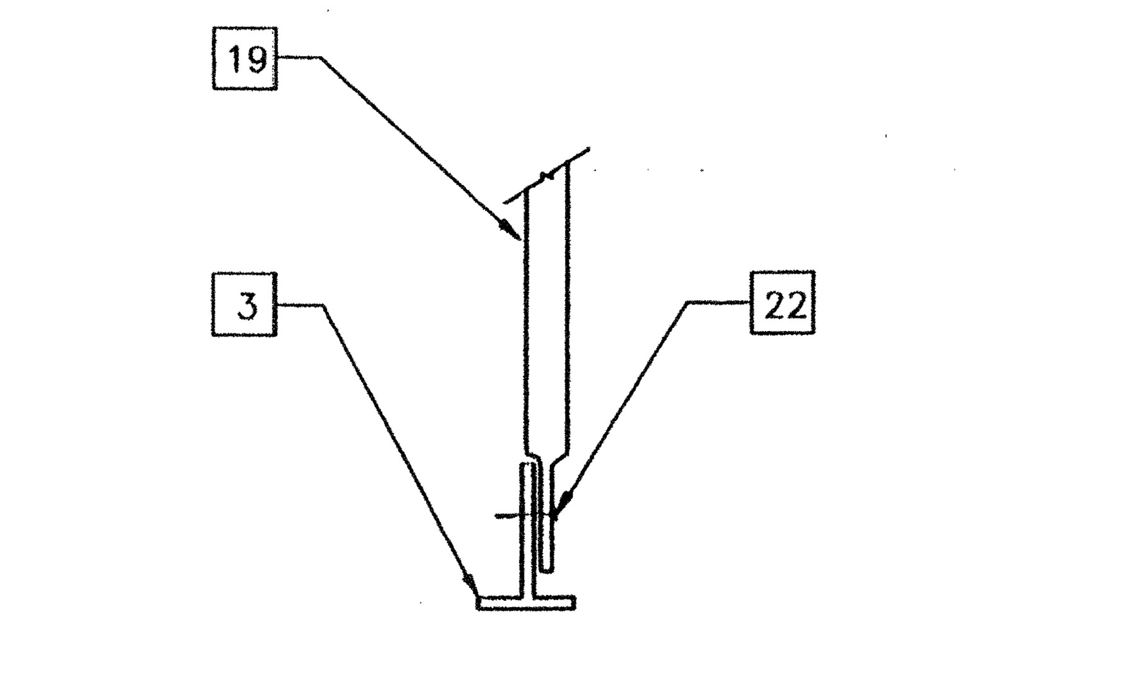
A7.0

PC-270



TYPICAL FIXED SIDE

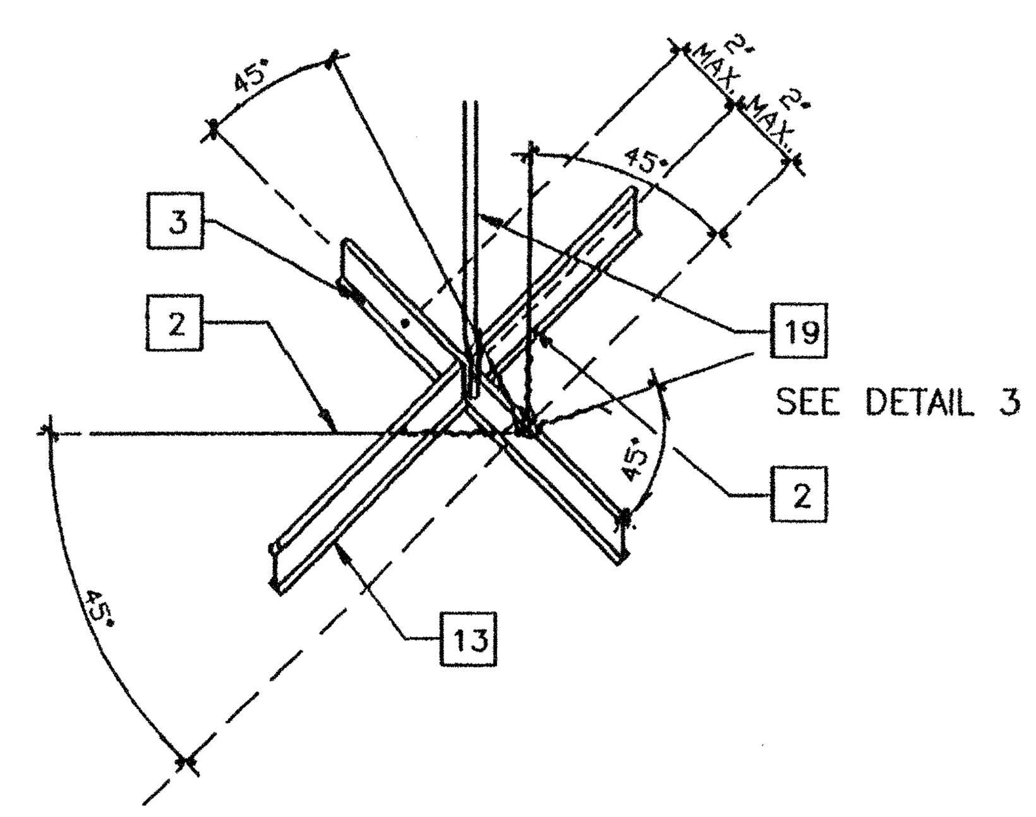
7



NOTE: CONDUIT MAY BE CRIMPED ON EITHER SIDE OF T-BAR, DEPENDING UPON CONDITION & LOCATION

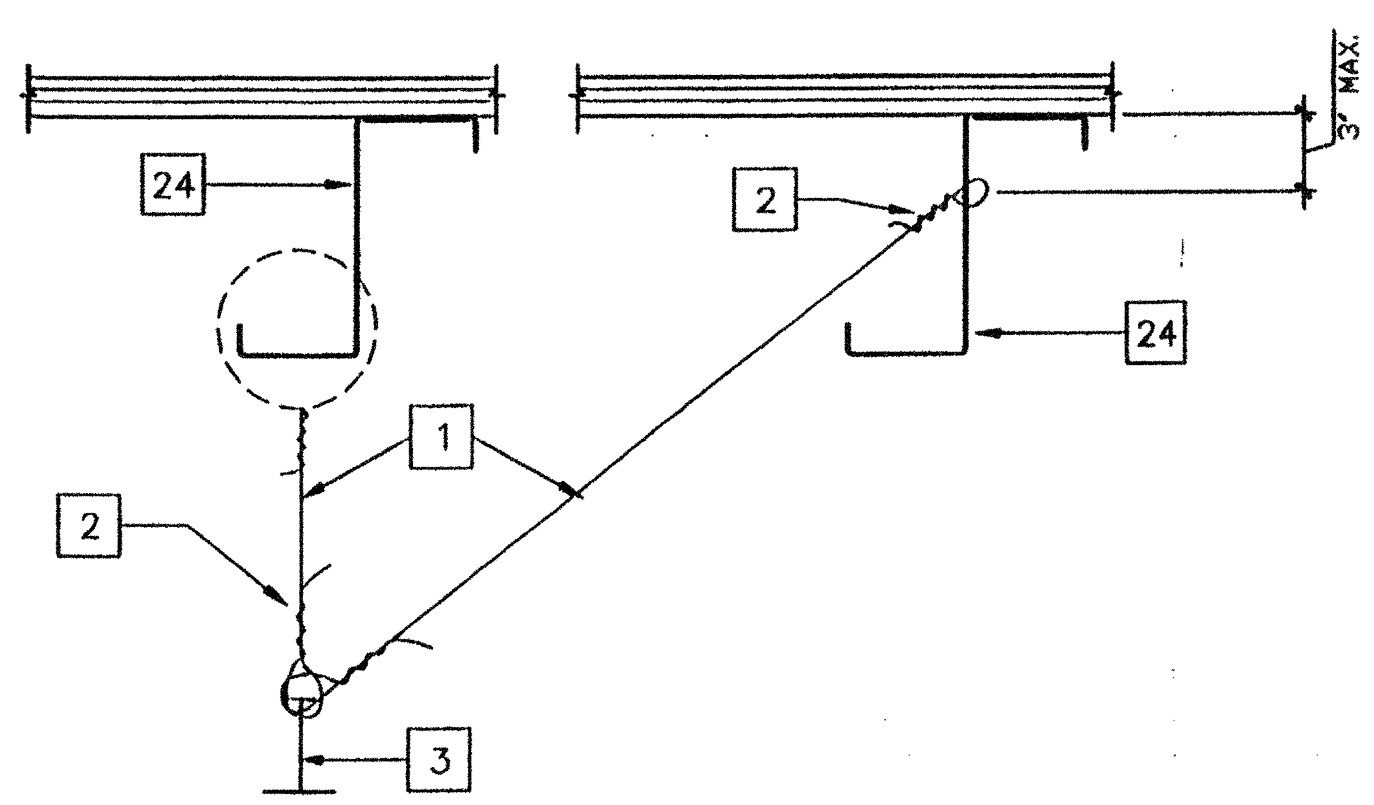
ALT. CONN. AT BOTTOM

4



SIESMIC SPLAY - 4 WAY

1



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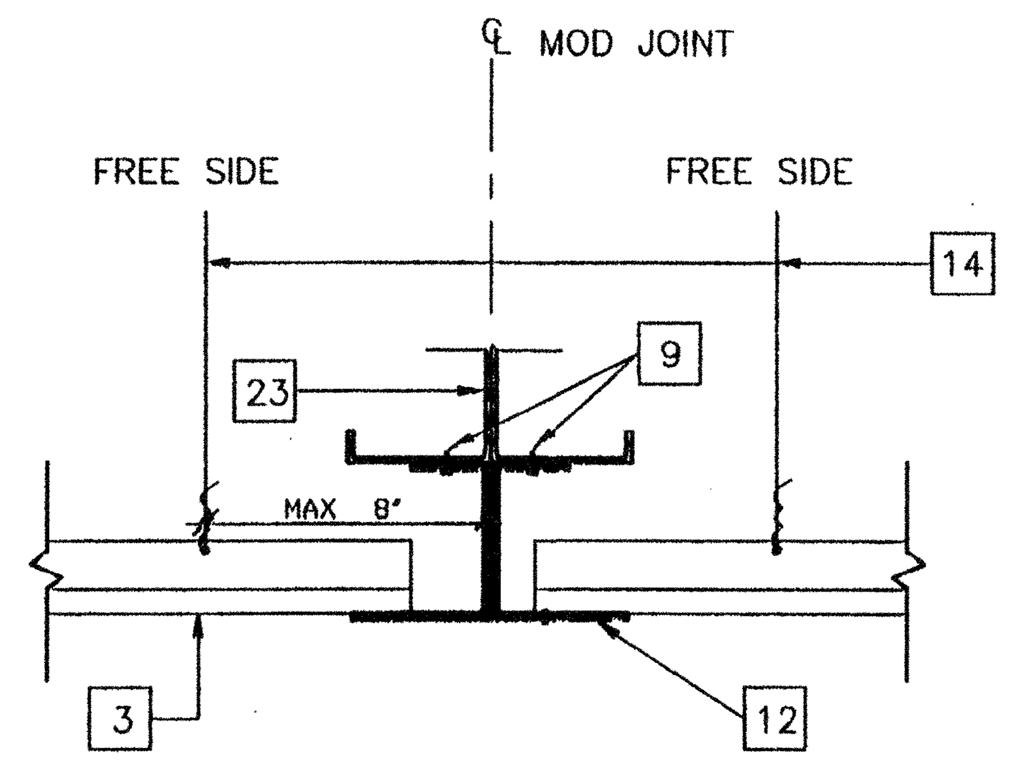
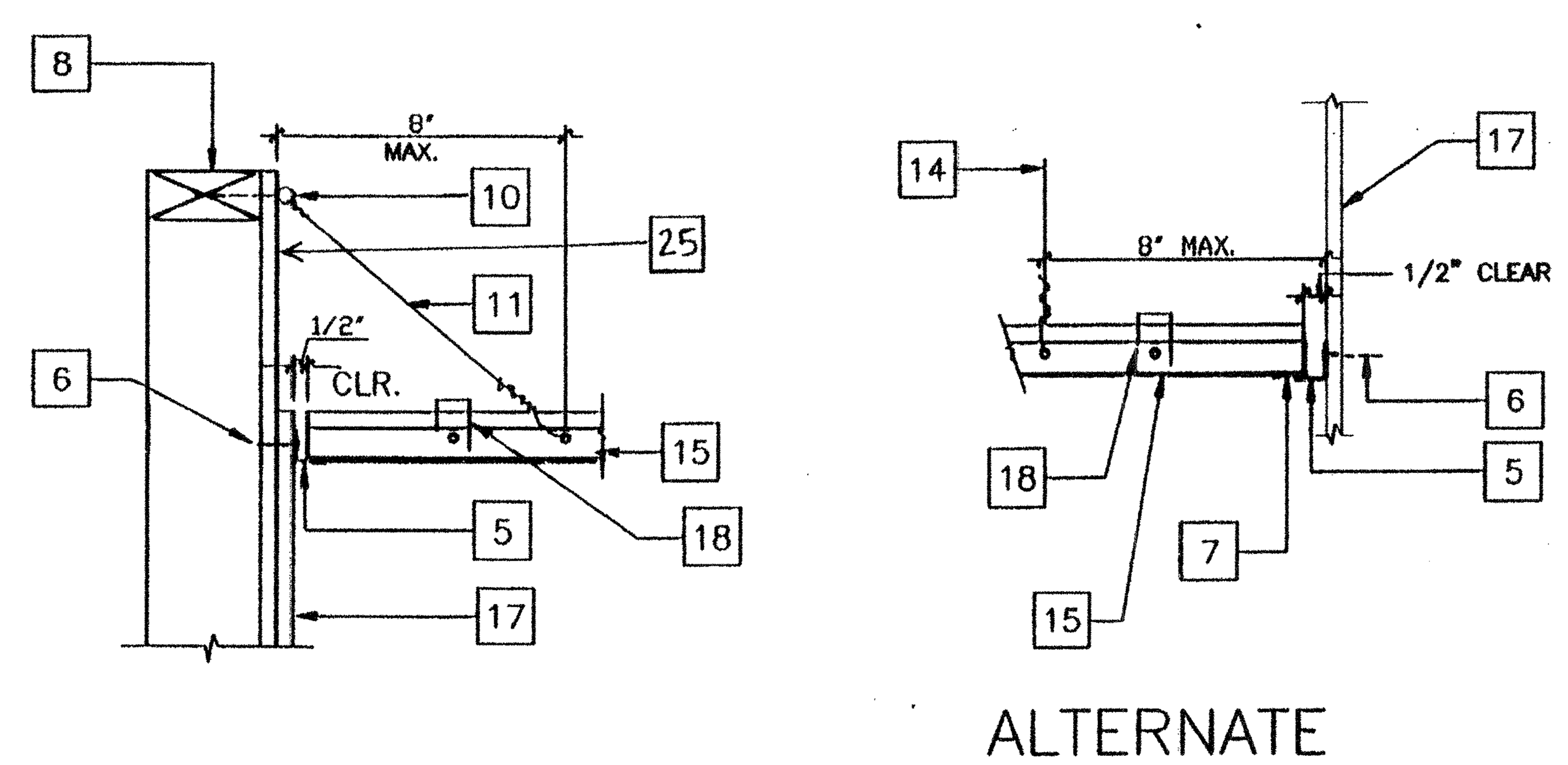


NOTE: LAY-IN CEILING TILE NOT SHOWN FOR CLARITY.

SCALE 3"=1'

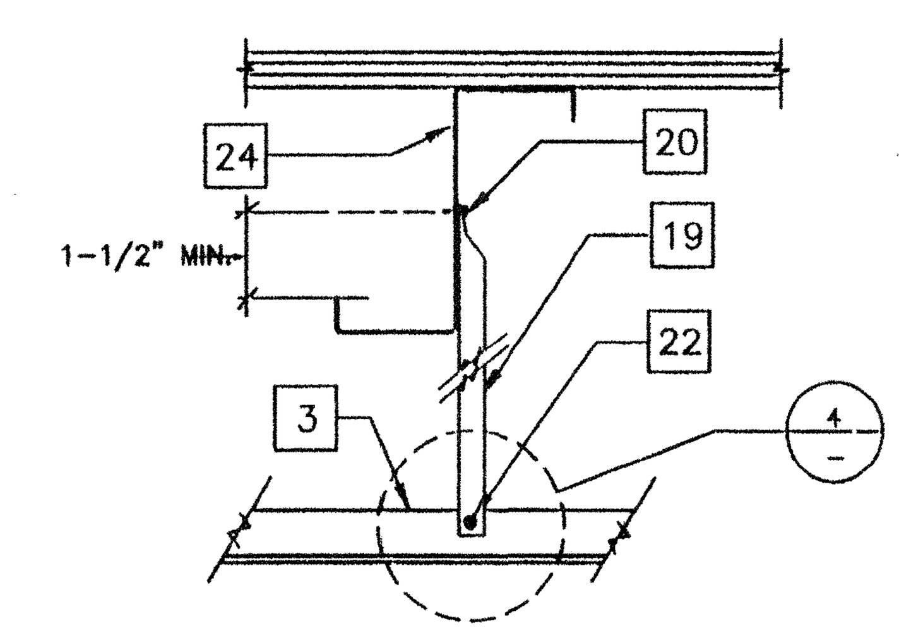
GRID AT MOD LINE

2



TYPICAL FREE SIDE

6



NOTE: CONDUIT MAY BE CRIMPED ON EITHER SIDE OF T-BAR DEPENDING UPON CONDITION & LOCATION

3

KEY NOTES

1. 12GA. HANGER OR DIAGONAL SPLAY WIRE IN PUNCHED OR DRILLED HOLE
2. 12GA. WIRE WITH 4 WRAPS IN 1 1/2" (TYP.) WIRE TO RUN PERPENDICULAR TO MAIN TEE
3. MAIN RUNNER
4. 1/8"ø POP RIVET TO EACH T-BAR
5. WALL ANGLE
6. 6d 16" @ FRAMING TO WALL STUD #8 S.T.S.M.S. WHEN METAL STUDS ARE USED
7. ANGLE WITH 1/8"ø POP RIVET TO EACH T-BAR NO CONNECTION TO WALL ANGLE
8. TOP PLATE
9. #10 S.T.S.M.S. @ 4' O.C.
10. 3" X 1/4" EYED SCREW. 1/8"ø X 2" JIF-E SCREW WHEN METAL STUDS ARE USED
11. HANGER TO WALL WHERE NO RAFTER ABOVE MAX SLOPE 1" IN 6"
12. 28 GA. JETCOAT
13. CROSS TEE
14. 12GA. HANGER WIRE AT THE END ON EACH RUNNER MIN. 4 WRAPS IN MAX 1 1/2" - SEE DETAIL #5 FOR WIRE TO PURLIN ATTACHMENT
15. MAIN RUNNERS OR CROSS TEES
16. ACOUSTICAL BOARD
17. FINISH WALL
18. HORIZONTAL STRUTS SHALL RUN CONTINUOUS AT ALL PERIMETERS, NOT POP RIVETED TO THE WALL ANGLE ARMSTRONG #7425 OR #7445 WITH SPRING STEEL SNAP TO RUNNER PER IR 47-4
19. 3/4" EMT CONDUIT - MAX 5'-2" (COMPRESSION STRUT)
20. CRIMP CONDUIT AND ATTACH TO RAFTER WITH (2) #8 TEK SCREW
21. PROVIDE SPACE AT ALL MEMBERS AT OPPOSITE WALL
22. CRIMP CONDUIT AND ATTACH TO T-BAR GRID WITH #8 TEK SCREW
23. ROOF BEAM SEE (STR)
24. ROOF PURLIN SEE (STR)
25. CARRY GYP. BRD. TO TOP PLATE FOR FIRE BLOCKING.

REVISED JUL 1 1999

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 101527 AC FLS SS DATE SEP 02 1999

FILE PATH: PC270A71.DWG

PROJECT NO. PC-270

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	Division of the State Architect
1, 2, 3, 4, 5			S. V. MISTRY No. S3413 STRUCTURAL STATE OF CALIFORNIA 02-08-99		REVISED IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-270 AC FLS SS DATE FEB 19 1999

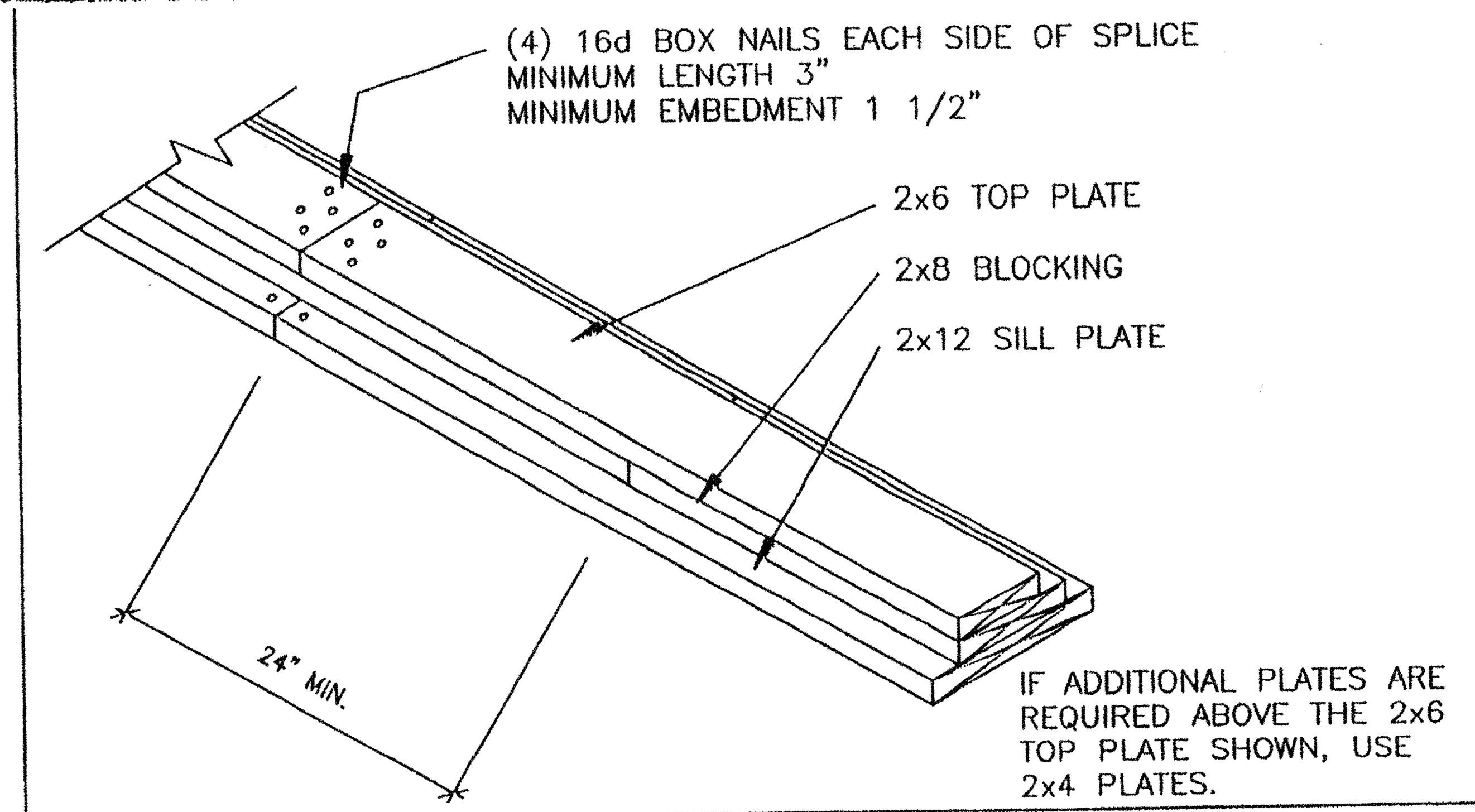
MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER:

DRAWN BY: RVF DATE: 2-2-99
CHECKED BY: SS DATE:
MODTECH PROJECT NO:
MODTECH Index No.

REFLECTED CEILING DETAILS

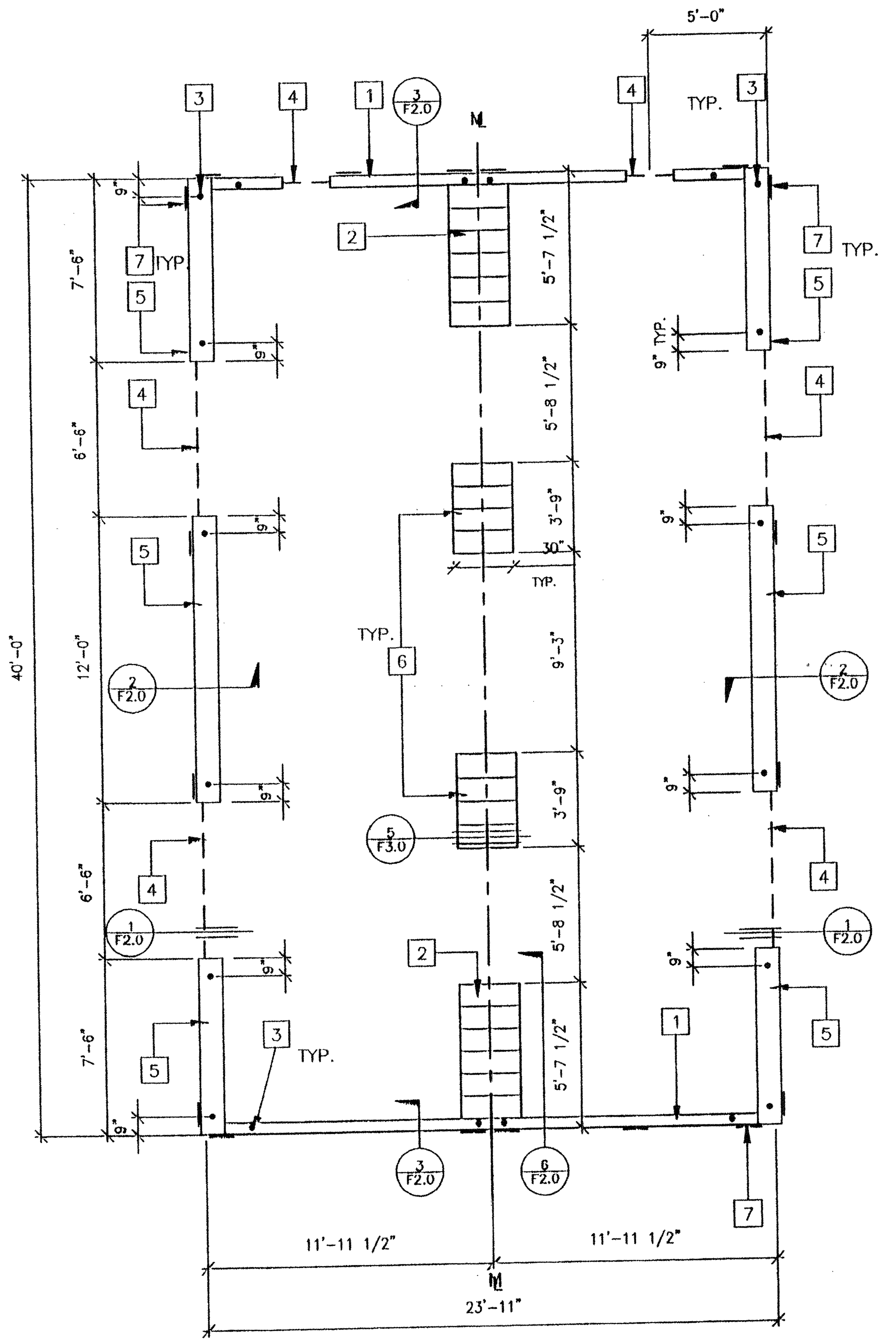
A7.1



FOUNDATION SPLICE DETAIL

KEY NOTES

1. 2"X6" SILL PLATE (END WALL)
2. 6- 2X12X30" LONG SILL PADS
3. PIPE TO GRADE (TYP.)
4. 3" HIGH BY 6'-6" LONG VENT @ SIDEWALLS
   3" HIGH BY 2'-0" LONG VENT @ ENDWALLS
5. 2X12 SILL PLATE (SIDE WALL)
6. 4-2X12X30" LONG SILL PADS
7. 6"X12"X10 GA. PLATES
   5 @ ENDWALL, 4 @ SIDEWALL
8. NOT USED
9. NOT USED



FOUNDATION - WOOD SILL

24' X 40' 50 PSF LL

SCALE 1/4" = 1'

VENT CALCS.

BLD'G SIZE 24' X 40'= 960
VENTILATION REQ'D 960 ÷ 150= 6.4SF
3"X6'-6" VENT=1.625SF X 4 = 6.5SF
3"X2'-0" = 0.5 SF X 2 = 1.0 SF
TOTAL VENTING PROVIDED = 7.5 SF

REVISED JUL 1 1999
04 101154
DATE MAY 20 1999

NOTES

1. SILL RESTRAINT: ON A.C. PAVING AND ON SOIL 1" O.D. GALVANIZED PIPE AT 10'-0" 12" PENETRATION BELOW SURFACE VERTICALLY. DRILL SILL 1-1/4" MAX. PIPE MAY BE DRIVEN MAX. OF 45° ANGLE TO VERTICAL. (18-1/2" LONG PIPE REQUIRED FOR PENETRATION AT 45° ANGLE.)
2. ON CONCRETE PAVING HILTI DS 82-P10 THRU SILL PLATE:
   END WALLS: 8" O.C.
   SIDE WALLS: 22 "O.C.
3. WHERE SHIM STOCK IS REQUIRED FOR LEVELING USE 1/4", 1/2", OR 3/4" THICK PLYWOOD SAME WIDTH AS BLOCK. P.T.
4. VERIFY DRAINAGE TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. WITH DISTRICT ARCHITECT SITE PLANS
5. ALL FOUNDATION MATERIAL SHALL BE DOUGLAS FIR
   GROUND CONTACT: LP-22 (CCA .40)
   ABOVE GROUND: LP-2 (CCA .25)
6. ALLOWABLE SOIL BEARING: 1000 PSF
7. "MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO SECOND MEMBER, AND SHALL BE NOT LESS THAN 3" IN OVERALL LENGTH"

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

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 101527

FILE PATH: PC270F10.DWG

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	Identification Stamp
1, 2, 3, 4, 5			S. V. MISTRY No. S3413 STRUCTURAL STATE OF CALIFORNIA 02.09.99		DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC - 270 DATE FEB 1999 REVISED

MODTECH INC.
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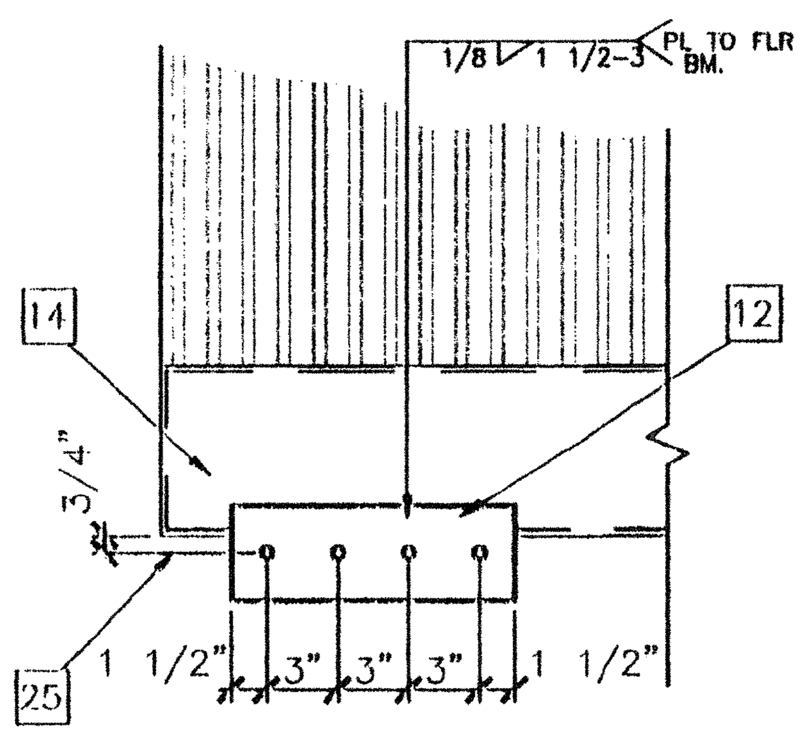
PROJECT NUMBER:

FOUNDATION PLAN

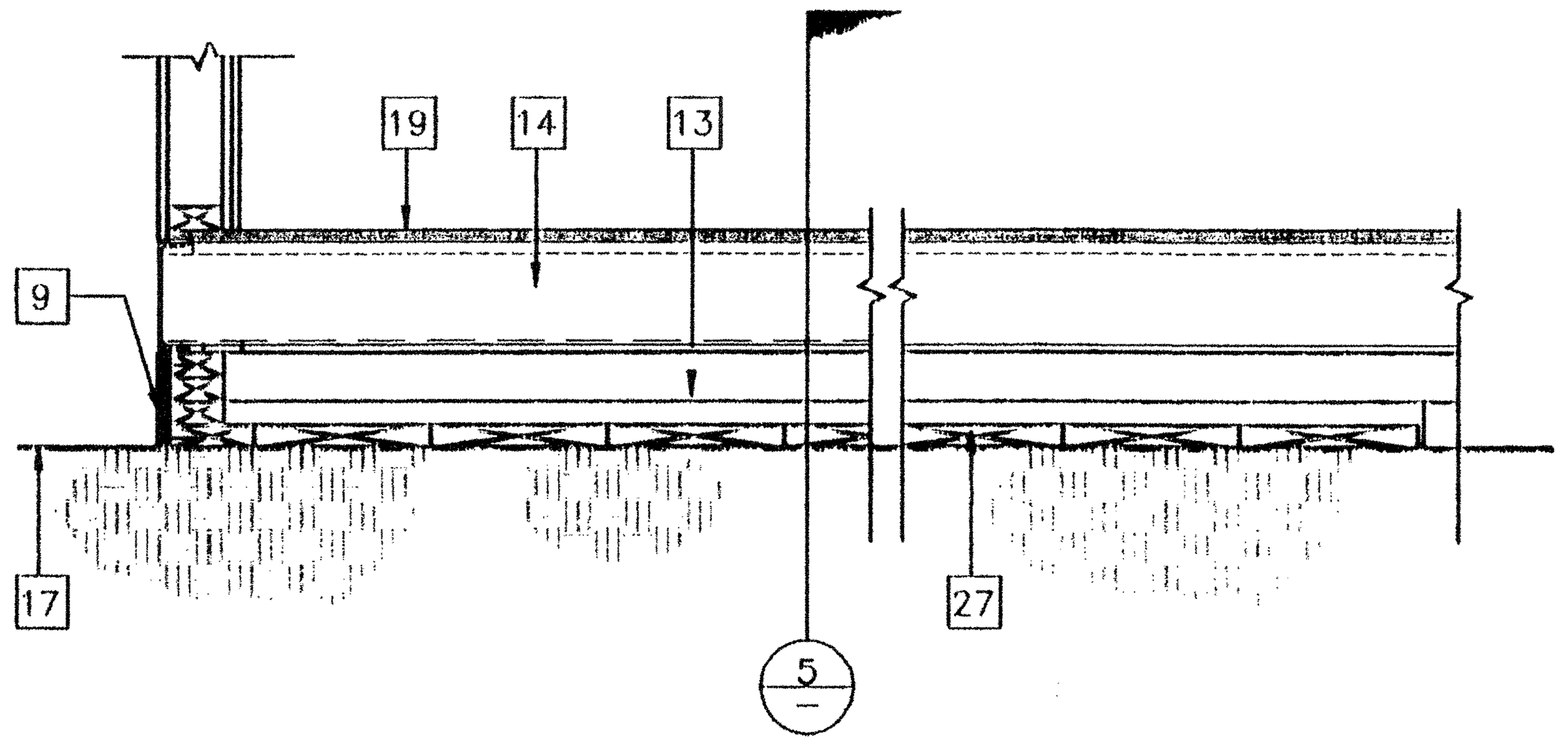
DRAWN BY: BVF DATE: 2-2-99
CHECKED BY: SS DATE:
MODTECH PROJECT NO:
MODTECH Index No.

F1.0

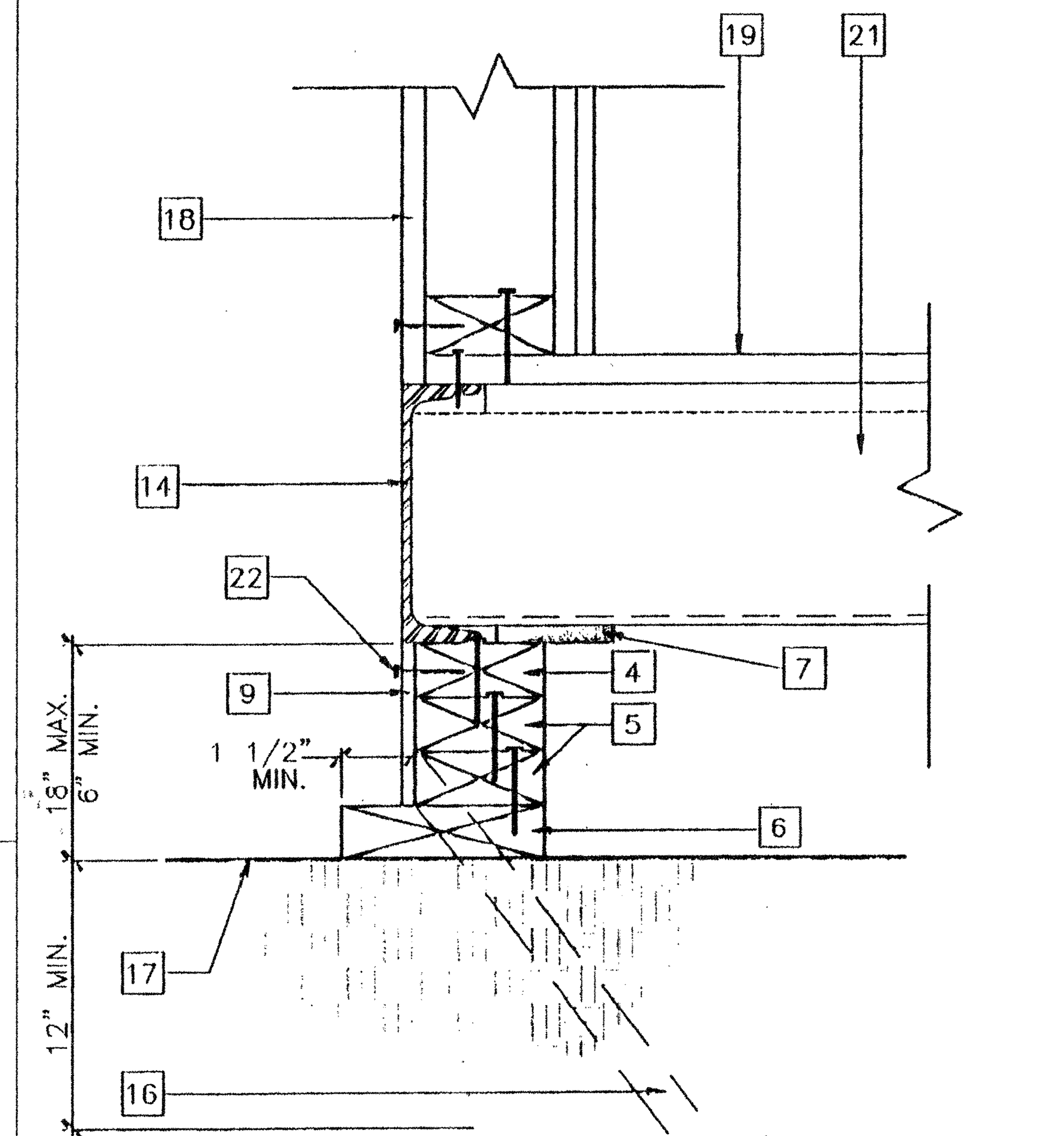
PROJECT NO. PC-270



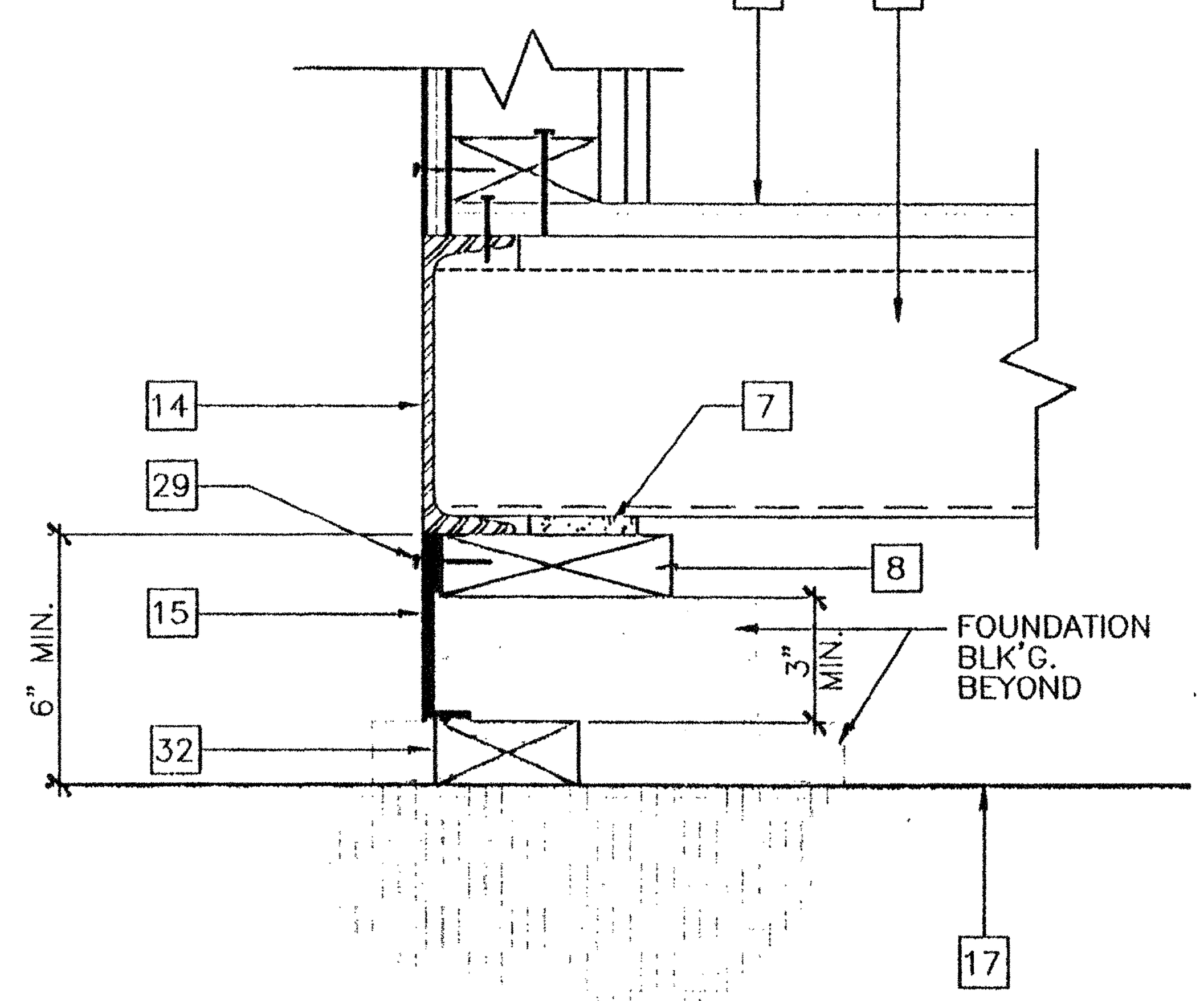
9 SCALE: 1 1/2"=1'-0"
ALTERNATE HOLD DOWN



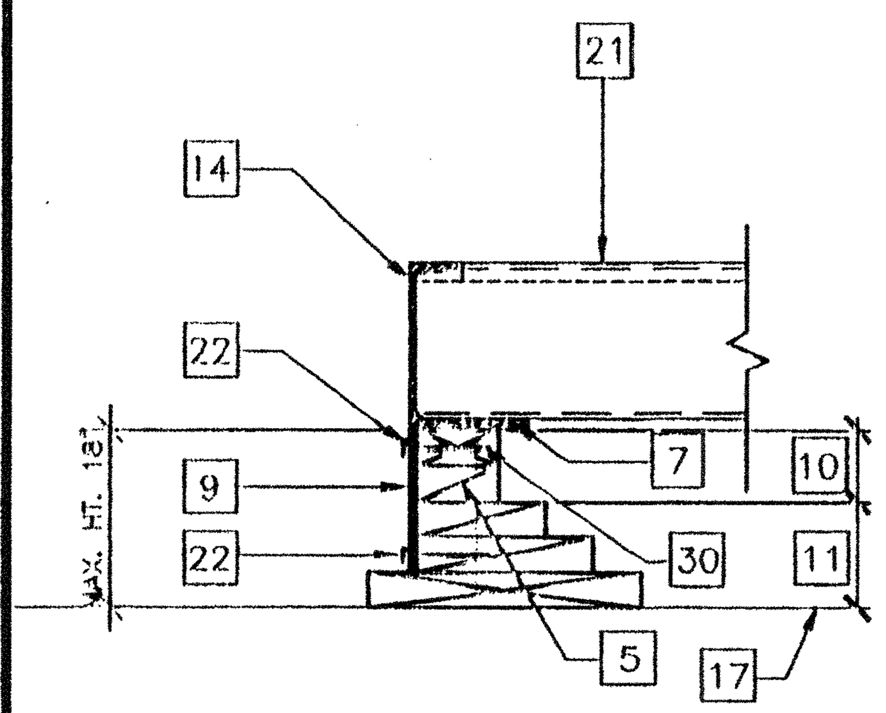
6 SCALE: 1 1/2"=1'-0"
MODLINE PAD @ END WALL



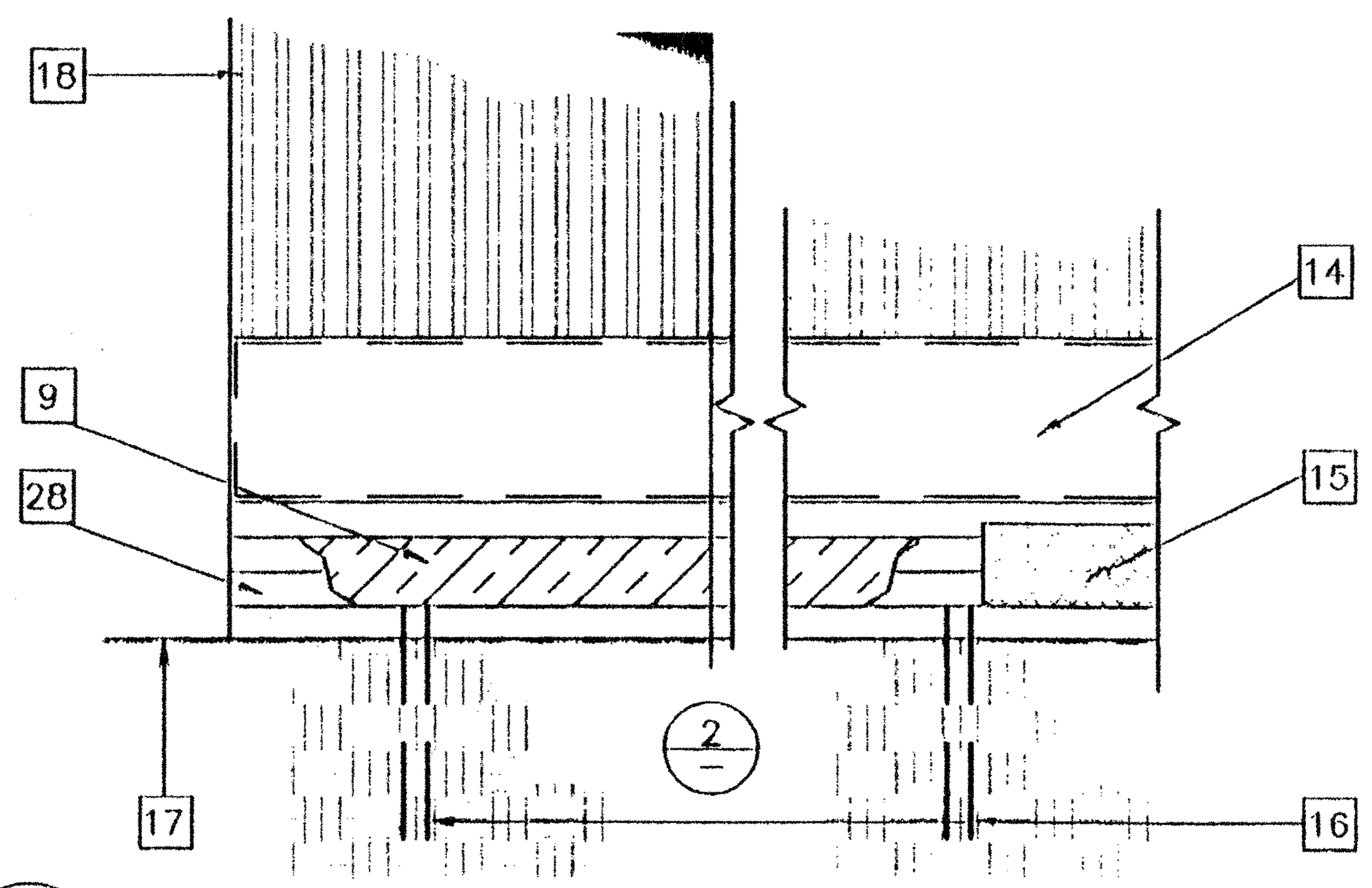
3 SCALE: 3"=1'-0"
FOUNDATION @ END WALL



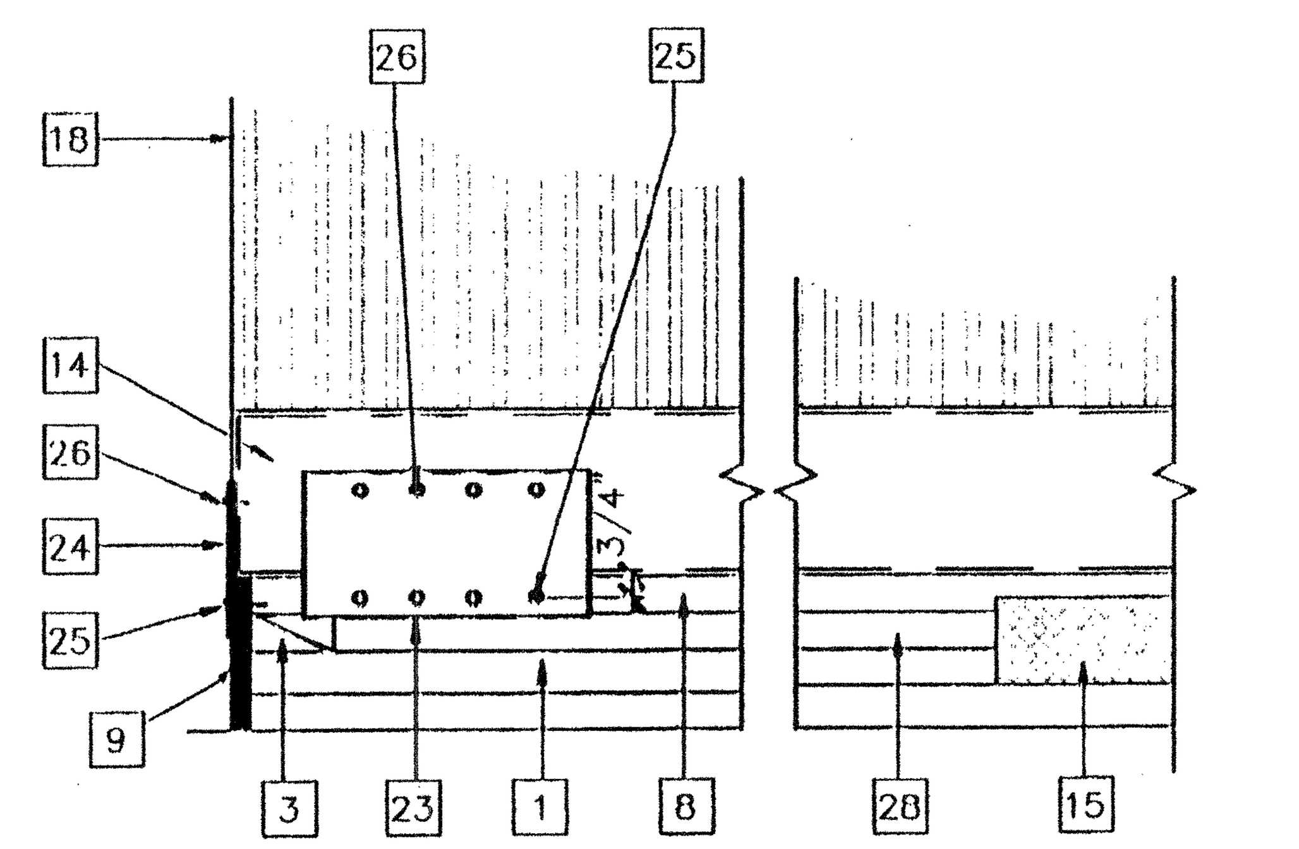
1 SCALE: 3" = 1'-0"
FOUNDATION VENT



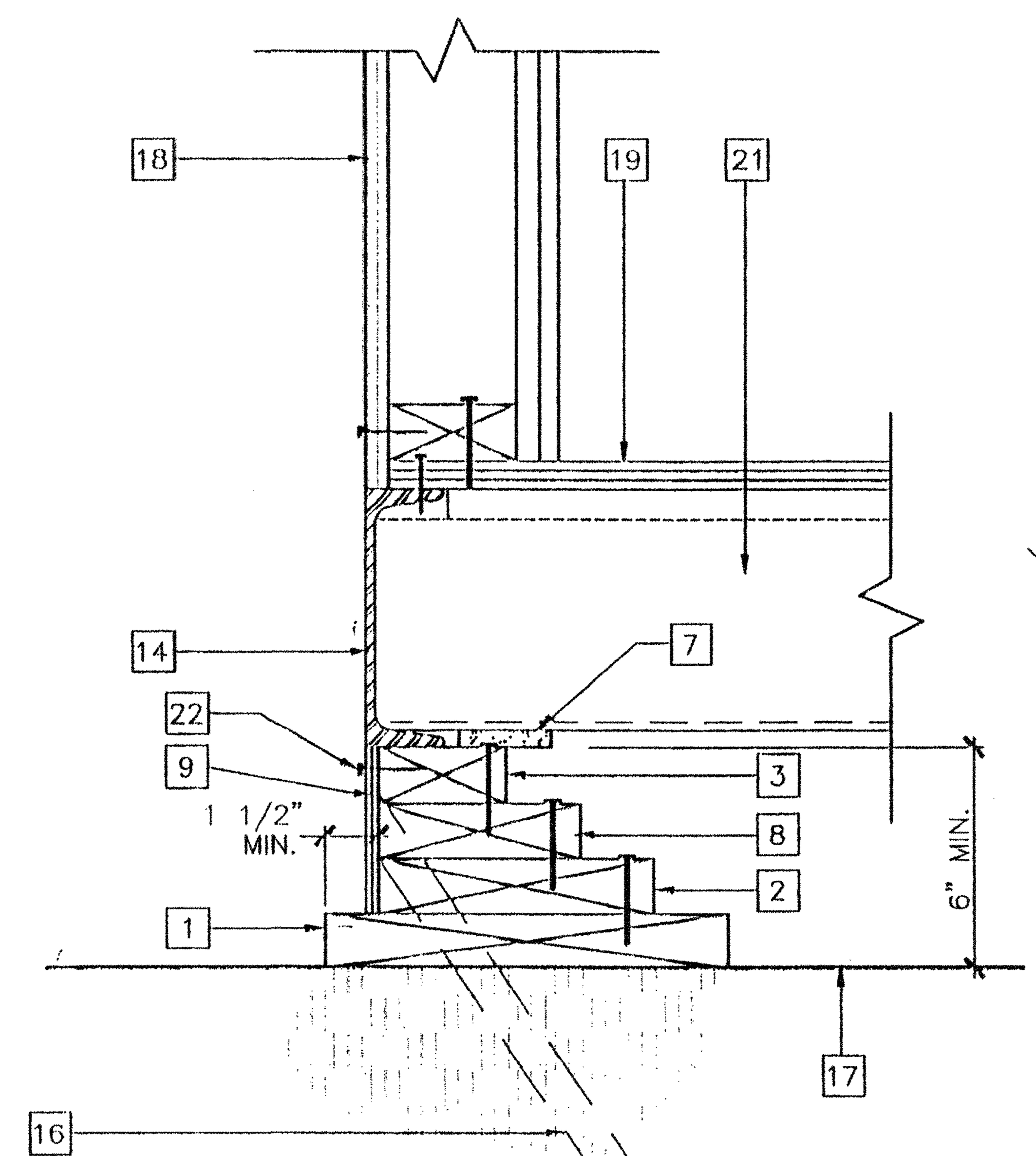
10 SCALE: 1 1/2"=1'-0"
ADD BLK'S/SHIMS TO LEVEL FOUND.



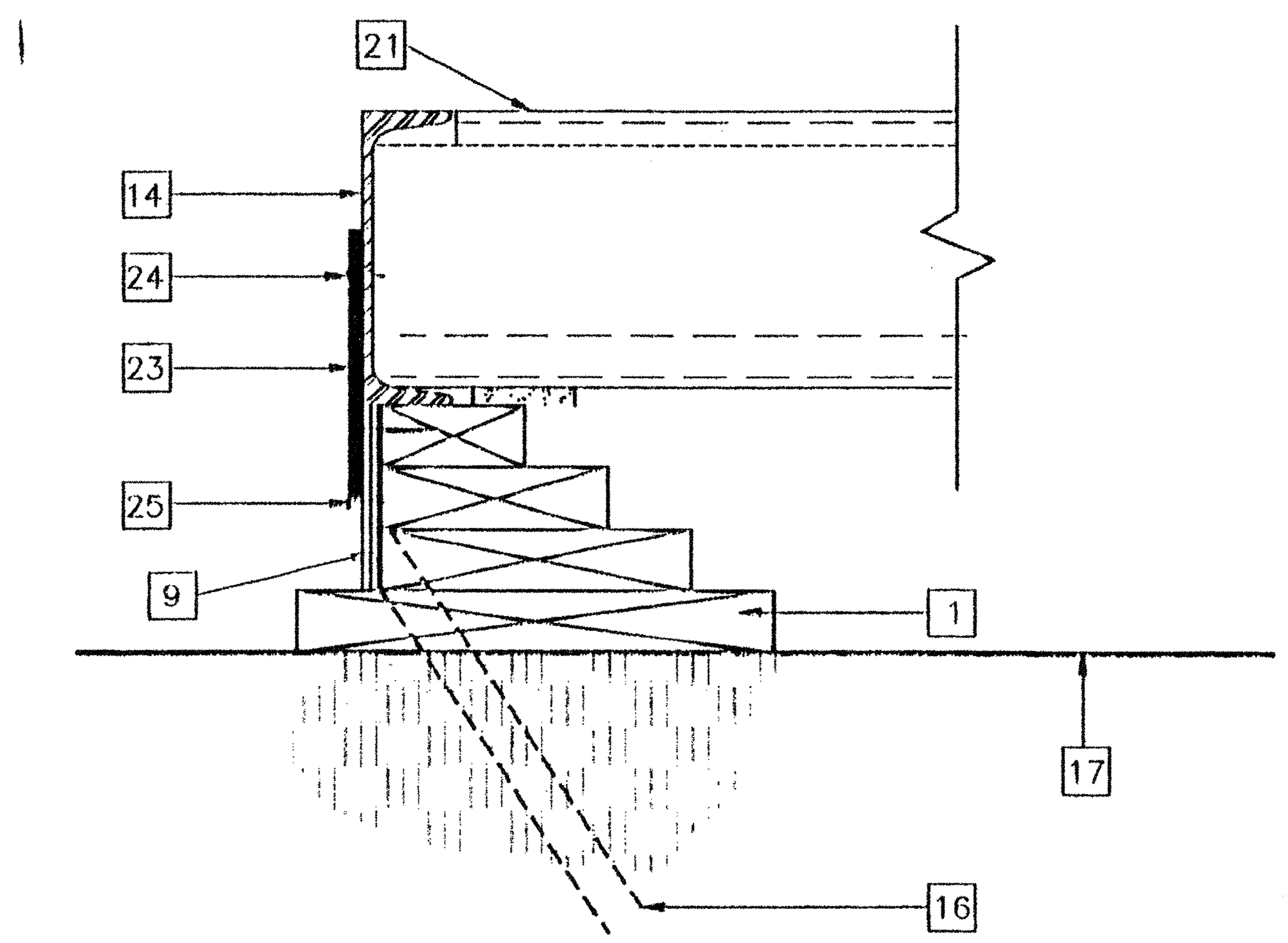
7 SCALE: 1 1/2"=1'-0"
FOUNDATION ELEVATION @ SIDE WALL



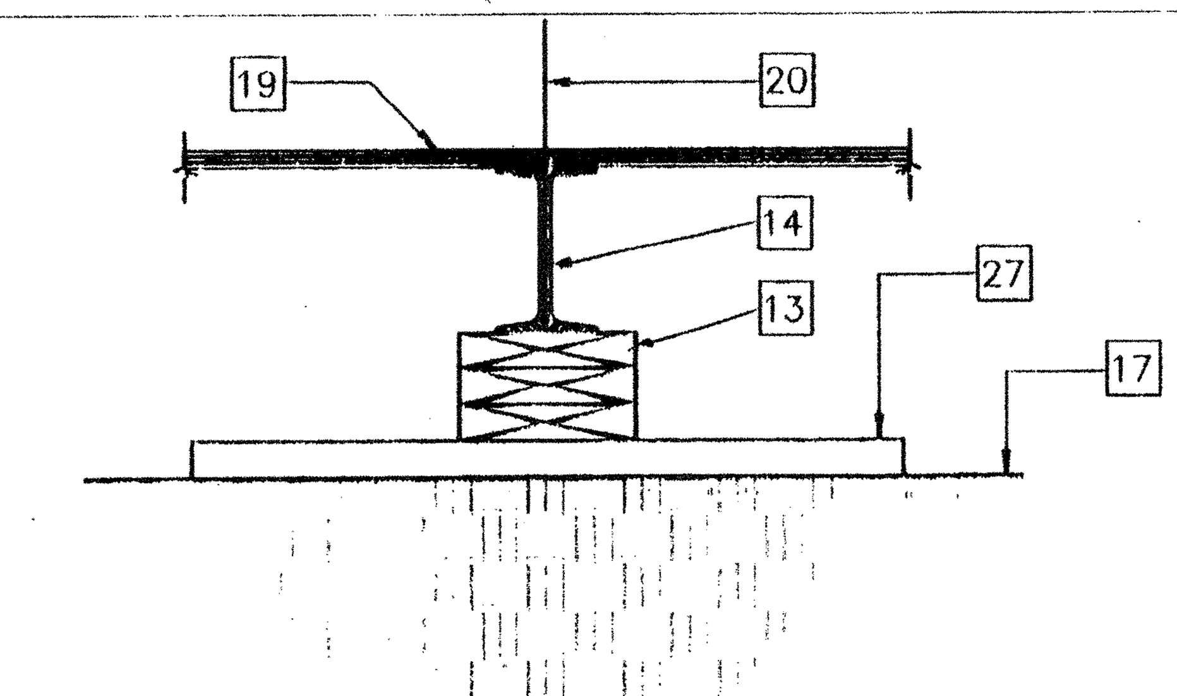
4 SCALE: 1 1/2"=1'-0"
DETAIL @ FOUNDATION CORNER



2 SCALE: 3" = 1'-0"
FOUNDATION @ SIDE WALL



8 SCALE: 3"=1'-0"
TYPICAL TIE PLATE



5 SCALE: 1 1/2"=1'-0"
FOUNDATION PAD @ MODLINE

KEY NOTES

1. 2X12 SILL PLATE SEE FOUND. PLAN FOR LENGTH
2. 2X8 TOP PLATE W/16d AT MAX. 5" O.C. TO SILL PLATE
3. 2X4 CONT. TOP PLATE W/16d AT MAX. 12" O.C.
4. 2X4 TOP PLATE CONT. W/16d AT MAX. 12" O.C.
5. 2X4 BLOCKING W/16d MAX. 12" O.C. TO SILL PLATE
6. 2X6 CONT. SILL PLATE
7. 5/8" X 2 1/2" SHIM (WHEN REQ.)
8. 2X6 BLOCKING W/16d AT MAX. 12" O.C.
9. MIN. 5/8" PLYWOOD SKIRTING W/10d BOX @ MIN. 4" O.C. AT ENDWALLS & 6" O.C. AT SIDEWALLS E.N. & TYP. 12" O.C. FN.
10. ADD BLOCKING OR SHIMS AS REQ. TO MAX. HT. SEE DETAIL #2
11. MIN. FOUNDATION HEIGHT. SEE DETAIL #2
12. 10 GA. PLATE 4" X 12"
13. 2X8 BLOCKING FACE OR TOE NAIL 16d AT MAX. 12" O.C. ADD BLKS. OR SHIMS AS REQ'D
14. FLOOR FRAME BEAM. SEE STRUCTURAL
15. VENT MIN. 3" X 6'-6" TYP. 4-PLACES = 6.5 SF. 2 VENTS AT 3" X 2'-0" = 1.0 SF. = 7.5 SQ. FT. TOTAL
16. SILL RESTRAINT 1" DIA. PIPE. SEE FOUND. PLAN FOR LOCATION – 24" LONG
17. FINISH GRADE
18. EXTERIOR FINISH
19. PLYWOOD SUBFLOOR
20. MOD-LINE
21. FLOOR-JOIST
22. EN SEE NOTE #9
23. 6" X 12" X 10GA. PLATE W/(4) #10 SMS TO FLR. & (4)1/4" DIA. X 3" LAG TO FOUND. TOP PLATE
24. 6" X 12" X 10 GA. PLATE
25. 1/4" DIA. X 3" LG. LAG SCREW TYP. 4-PLACES
26. #10 S.T.S. TYP. 4-PLACES
27. 2" X 12" X 2'-6" SILL PLATE. SEE FOUND. PLAN FOR QUANTITY REQ'D
28. 2X8 BLOCKING W/16d AT MAX. 6" O.C. MIN. 3 PER BLOCK. (MAY VARY ACCORDING TO SITE)
29. 10d GALV. BOX NAIL AT MAX. 4" O.C.
30. INSERT REQ'D 2X4 BLOCKING OR PLYWOOD SHIM W/16d AT 12" O.C. FACE NAIL
31. NOT USED
32. 2X4 P.T. BLOCK TO CLOSE OFF SPACE AND SUPPORT BOTTOM OF VENT

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 101194
AC FLS SS
DATE MAY 20 1999
REVISED JUL 1 1999

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 101527
AC FLS SS
DATE SEP 02 1999

FILE PATH: PC270F20.DWG

PROJECT NO.

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal
1			REGISTERED PROFESSIONAL ENGINEER S. V. MISTRY No. S3413 STRUCTURAL STATE OF CALIFORNIA 02/08/99	
2				
3				
4				
5				

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC - 270
AC FLS SS
DATE FEB 19 1999
REVISED

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

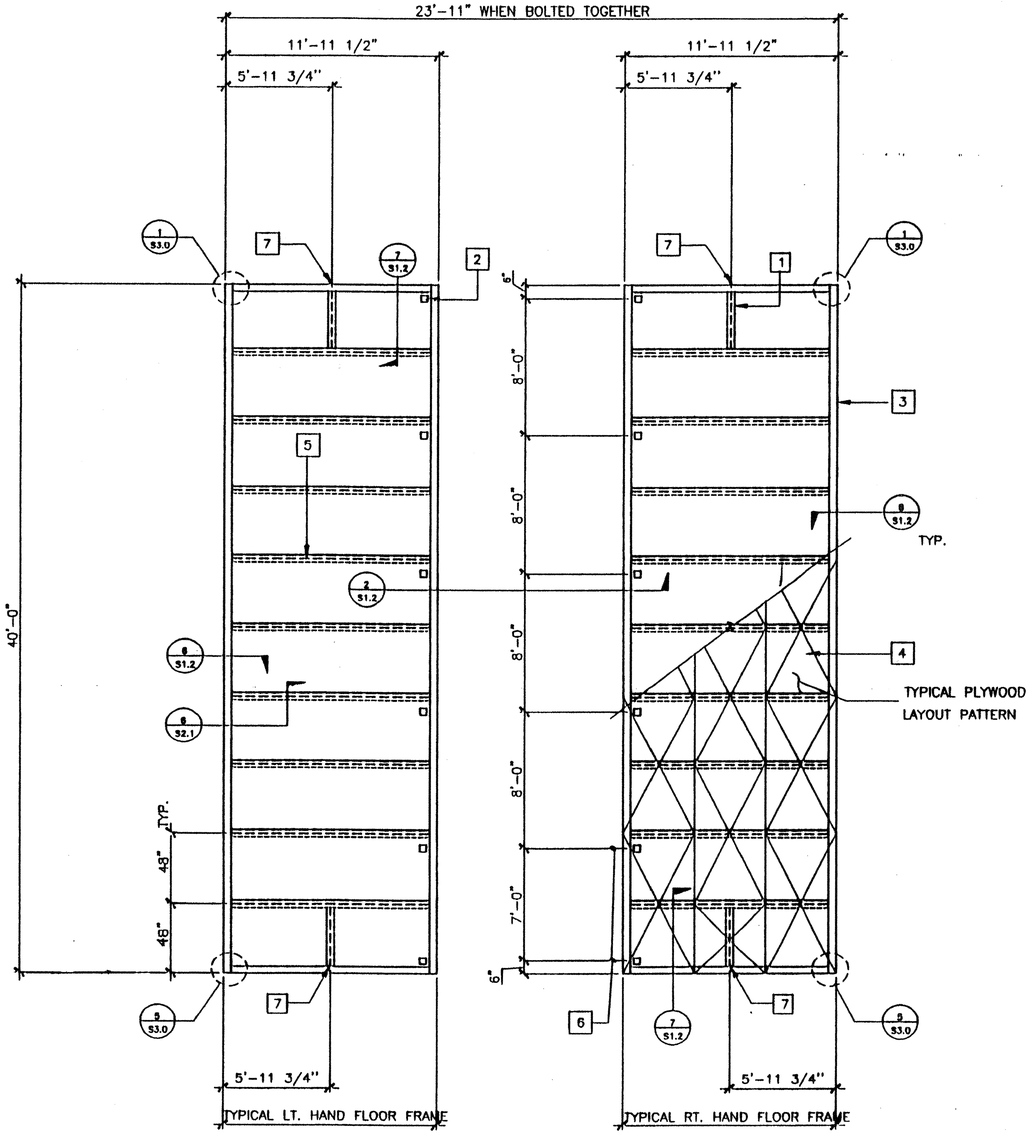
PROJECT NUMBER:

FOUNDATION DETAILS

DRAWN BY: CM
DATE: 2/2/99
CHECKED BY:
DATE:
MODTECH PROJECT NO:
MODTECH Index No.

F2.0

PC-270



FLOOR JOIST TABLE

LIVE LOAD	⌡ 6 3/8"X2 1/2" 12GA.
50 P.S.F.	48" O.C.
~~50+20 P.S.F.~~	~~32" O.C.~~

KEY NOTES

1. ⌜ 6 3/8 X 2 1/2 X 12GA. BLOCKING AT MIDSPAN OF FLOOR HDR. TYPICAL
2. 5" DIA HAND HOLES AT BOLT BM TO BM (12 PLACES) OPTIONAL 5" SQUARE HOLE
3. C 7X9.8 PERIMETER CHANNEL (TYPICAL) SEE 5/S2.1
4. PLYWOOD FLOOR SHEATHING: APA PS 1-83 1 1/8" THICK, STURD-I-FLOOR OR EQUAL W/48" O.C. SPAN RATING. ATTACHED W/#10 X 1 3/4" SELF-TAPPING FLAT HEAD SCREWS AT 6" O.C. TO PERIMETER FRAME, AEROSMITH AKN 144.0175 DRIVE PINS AT 6" O.C. SUPPORTED EDGES AND 6" O.C. FIELD TO JOIST. (TYPICAL) SEE 10/S2.1
5. ⌜ 6 3/8 X 2 1/2 X 12GA. FLOOR JOIST AT 48" O.C. ~~(32" O.C. @ stair cutout.)~~
6. TYPICAL BOLT HOLE LOCATION (SEE 2/S1.2)
7. 1"ø HOLE @ MID-DEPTH FOR HANDLING

NOTES

1. FOR L HAND & R HAND FRAME SEE S1.0
2. WELDING FIT-UP: OPENINGS = $\frac{t}{2}$ OR 1/8" MIN FOR FULL PEN ⊣⊢ AND ⊣|
   t = BASE METAL THICKNESS

REVISED
JUL 1 1999
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101504
AC FLS SS
DATE MAY 20 1999

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101527
AC FLS SS
DATE SEP 02 1999

FLOOR FRAMING PLAN

SCALE 1/4"=1'-0"

FLOOR LIVE LOAD - 50 PSF ~~50+20 P.S.F.~~

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
03 117026
AC FLS SS
DATE 6/11/03

FILE PATH: PC270S10.DWG

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal
5			REGISTERED PROFESSIONAL ENGINEER S. V. MISTRY No. 33431 Exp. 03/31/99 STRUCTURAL STATE OF CALIFORNIA 02.08.99	
4				
3				
2				
1				

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC - 270
AC FLS SS
DATE FEB 19 1999
REVISED

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

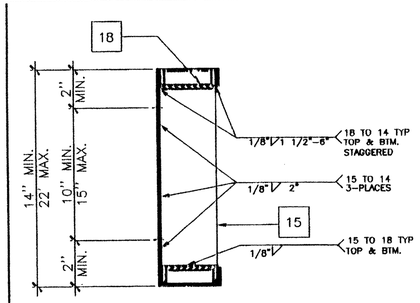
PROJECT NUMBER:

DRAWN BY: RVF DATE: 2-2-99
CHECKED BY: SS DATE:
MODTECH PROJECT NO:
MODTECH Index No.

FLOOR FRAMING PLAN

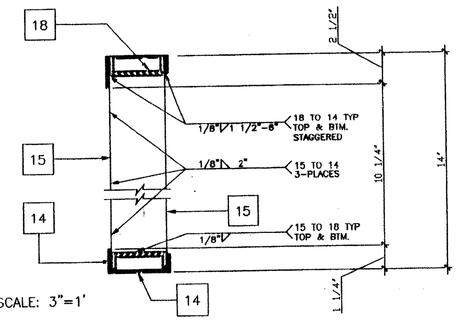
S1.0

PROJECT NO. PC-270



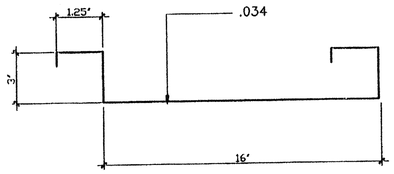
SCALE: 3"=1'

MECH. DUCT OPENING IN ROOF BM. 8



SCALE: 3"=1'

MECH. DUCT OPENING IN HEADER 4

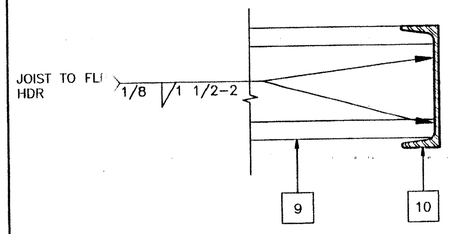


Sx(MIN) = 0.296 IN3
1x(MIN) = 0.446 IN4

Sx(MAX) = 0.33 IN3
1x(MAX) = 0.603 IN4

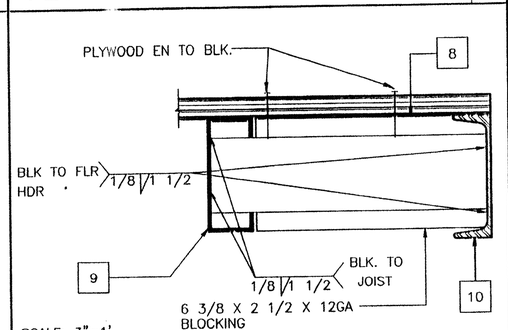
SCALE: NT

ROOF PAN (22GA.) 5



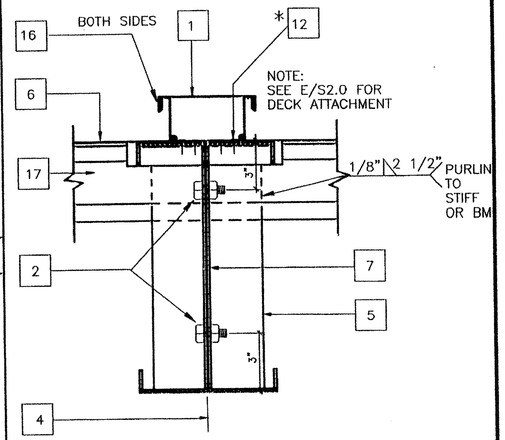
SCALE: 3"=1'

FLOOR FRAME/JOIST TO BEAM 6



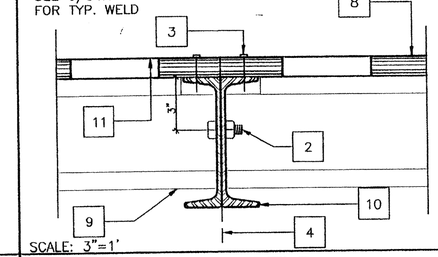
SCALE: 3"=1'

BLOCK AT MIDSPAN 7



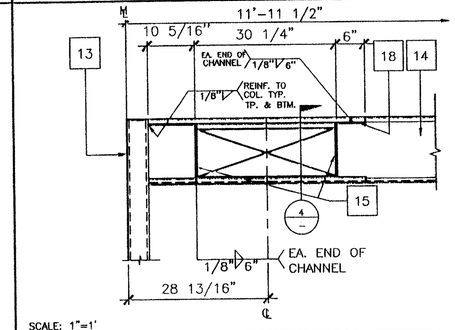
SCALE: 3"=1'

ROOFING & MODLINE 1



SCALE: 3"=1'

MODULE JOINT AT FLR. 12'-0" 2



SCALE: 1"=1'

ELEVATION-OPENING 3

KEY NOTES

1. CAP CLOSURE AT RIDGE 26GA. GALV. W/#10 TYPE FASTENERS W/NEOPRENE WASHERS TO RIB BOTH SIDES OF MODLINE. SET CAP IN SEALANT. BOTH SIDES.
2. 5/8" M.B. A307 MODULE JOINT (SEE STRUCTURAL PLAN FOR LOCATION) AT 8" O.C.
3. E.N.
4. MODULE JOINT
5. 14" THK X 3" FULL DEPTH STIFFENER PLATE AT RIDGE ONLY (SEE 9/S2.1)
6. STANDING ROOF SEAM (SEE A2.0)
7. ROOF BEAM SEE 1/S2.1 & 7/S2.1
8. PLYWOOD FLOOR SHEATHING
9. FLOOR JOIST SEE 6/S2.1
10. FLOOR BEAM SEE 5/S2.1
11. HAND HOLE AT BOLT LOCATION
12. #14 STSMS.
13. 3 1/2"X3 1/2"X1/4" STEEL TUBE COLUMN. SEE 12/S2.1
14. ROOF HEADER SEE 3/S2.1
15. 1/4" STIFFENER PLATE SEE 9/S2.1 FOR TYP. WELD
16. SEALANT
17. ROOF PURLIN SEE 2/S2.1
18. 3 1/4" X 1" X 45 11/16" LG X 10GA CHANNEL TOP AND BOTTOM OF OPENING

JUL 1 1999 for
REVISED
DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101527
AC FLS SS
DATE MAY 20 1999

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101527
AC FLS SS JP
DATE SEP 02 1999

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
S3 117036
AC FLS
DATE 6/1/16 KW

FILE PATH:: PC270S12.DWG

PROJECT NO. PC-270

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER
S. V. MISHRA
No. S3413
Exp. 02-29-99
STRUCTURAL
STATE OF CALIFORNIA
02-08-99

Architects Seal

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC - 270
AC FLS SS
DATE FEB 19 1999
REVISED

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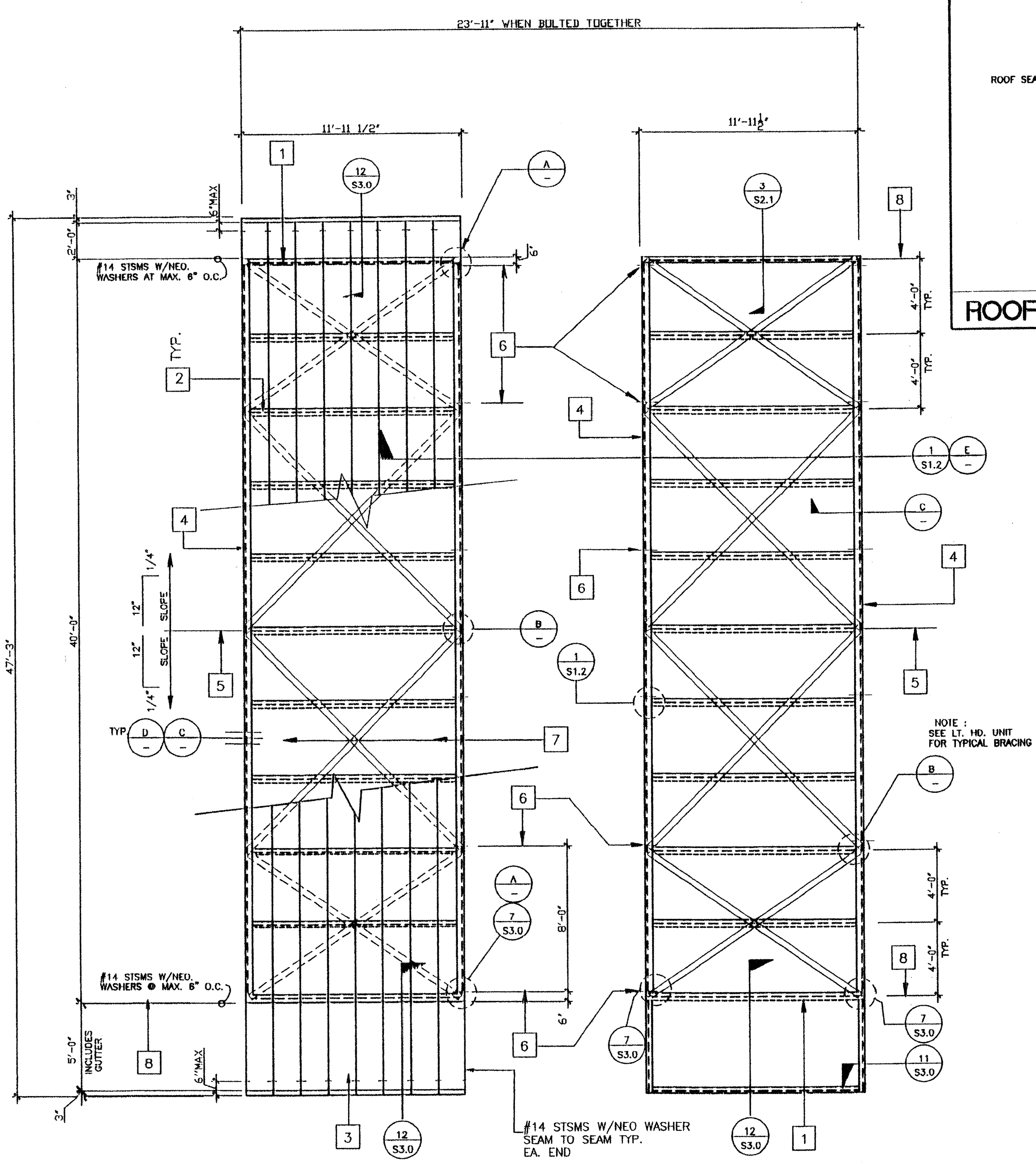
FAX (909) 940-0427

PROJECT NUMBER:

DRAWN BY: RVF
DATE: 2-2-99
CHECKED BY: SS
DATE:
MODTECH PROJECT NO:
MODTECH Index No.

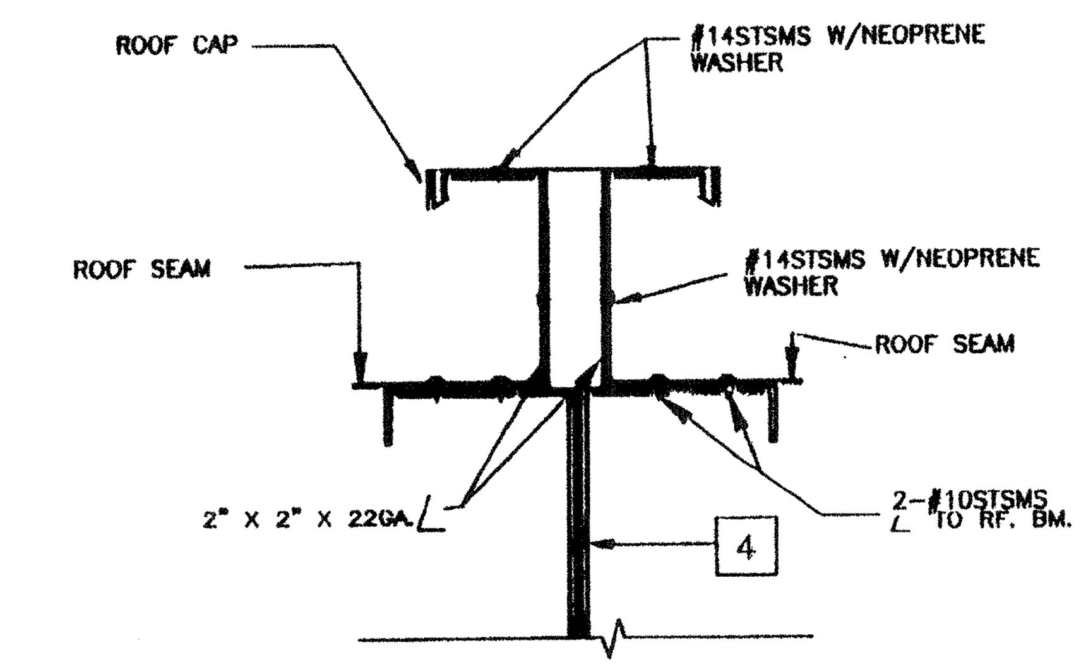
STRUCTURAL DETAILS

S1.2

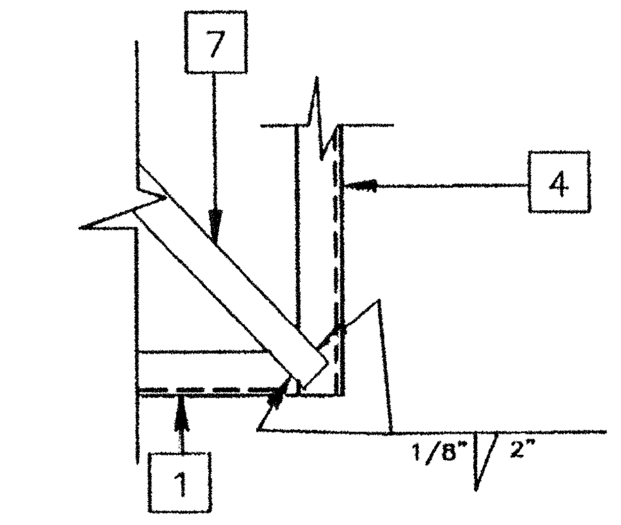


ROOF FRAMING PLAN - DUAL PITCH

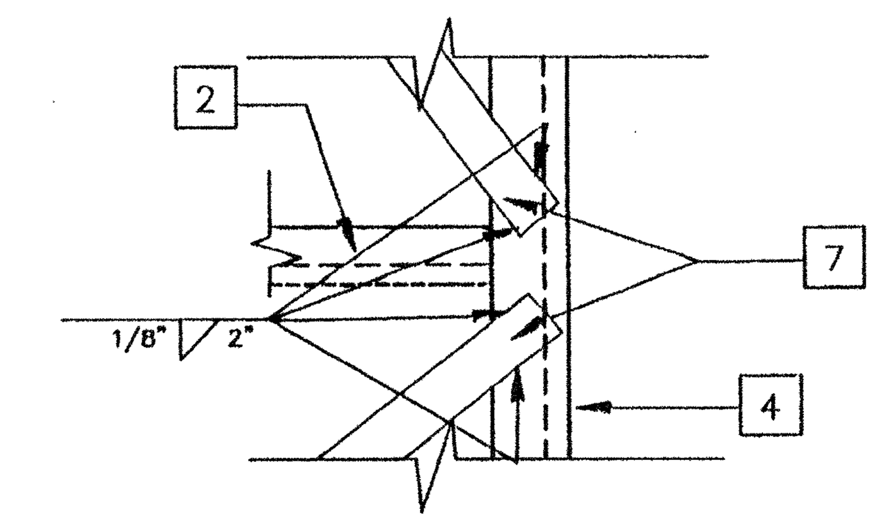
SCALE 1/4"=1'-0"



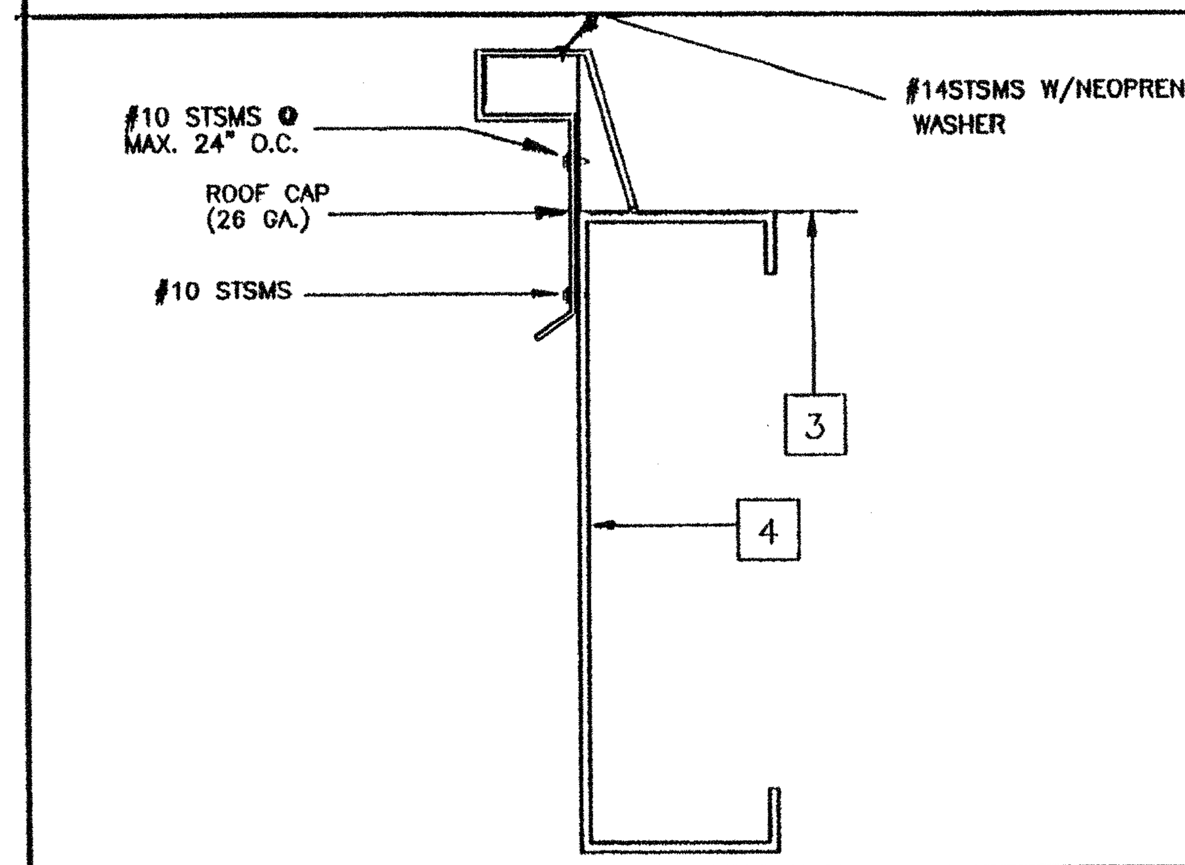
ROOF CAP AT MODLINE (ALTERN.) E



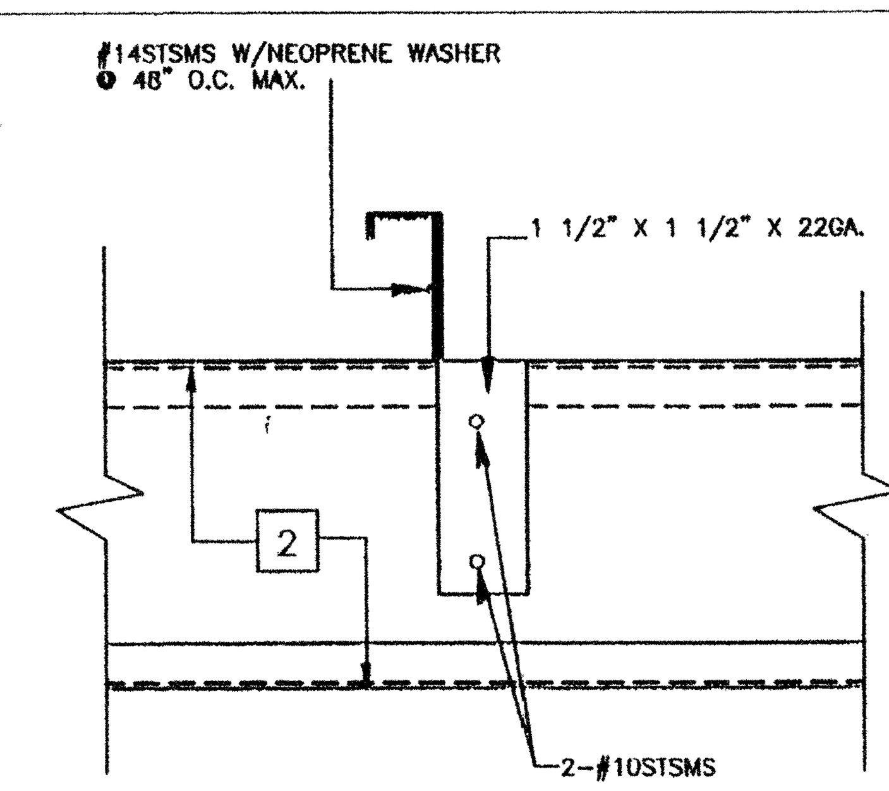
CROSS BRACING AT END WALL A



CROSS BRACING AT SIDE WALL B



ROOF STRAP AT SIDE WALL C



ROOF STRAP D

KEY NOTES

1. C 14 X 12GA. HEADER
2. 6"X2 1/2X14GA. ROOF PURLIN SEE PLAN FOR SPACING
3. 22GA. STANDING SEAM ROOFING ATTACH ROOFING TO ROOF CLIP W/#14X3/8" STSMS WITH NEOPRENE WASHERS. SPACING: 4'-0" O.C.
4. TAPERED ROOF BEAM 10GA. SEE 7/S2.1
5. RIDGE-LINE
6. 11/16Ø DRILL SEE DETAIL 1/S1.2
7. 2" X 20GA. STRAP CROSS BRACING TACK WELD TO EA. PURLIN
8. #14 X 3/4" STSMS AT ROOF HEADER W/NEO. WASHER – 3 PER PAN MAX. 6" O.C.

FILE PATH: PC270S20.DWG

REVISED JUL 1 1999 IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 101194 AC FLS SS DATE MAY 20 1999

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 101527 AC FLS SS DATE SEP 02 1999

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 03 117036

REVISIONS		
1		
2		
3		
4		
5		

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

REGISTERED PROFESSIONAL ENGINEER S. V. MISTRY No. S3413 Exp. 06/2000 STRUCTURAL STATE OF CALIFORNIA 02.08.99

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-270 AC FLS SS DATE FEB 1 9 1999 REVISED

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

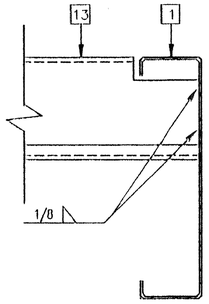
PROJECT NUMBER:

DRAWN BY: KVF DATE: 2-2-99
CHECKED BY: SS DATE:
MODTECH PROJECT NO:
MODTECH Index No.

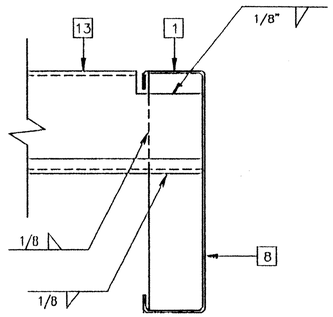
ROOF FRAMING PLAN

S2.0

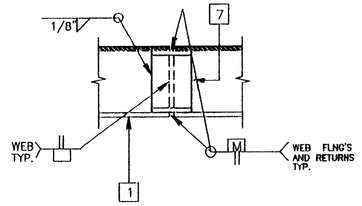
PROJECT NO. PC-270



PURLIN AT INT. SIDE WALLS | 13

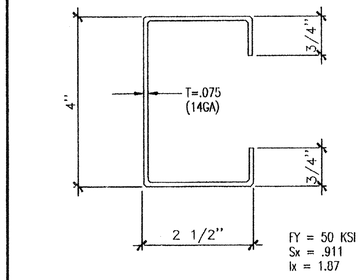


PURLIN AT EXT. SIDE WALLS | 11

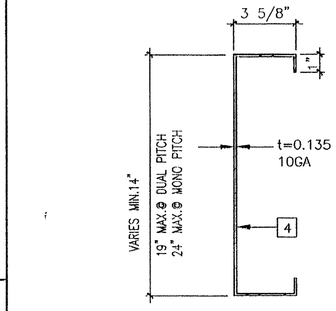


SCALE: 3"=1'

BEAM SPLICE AT RIDGE | 8

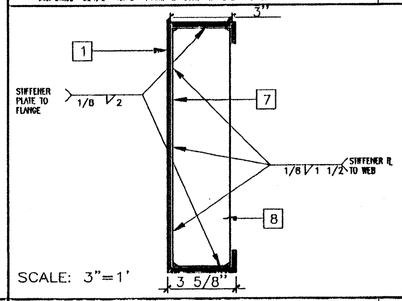


FACIA AT 5' OVEERHANG BM. | 4



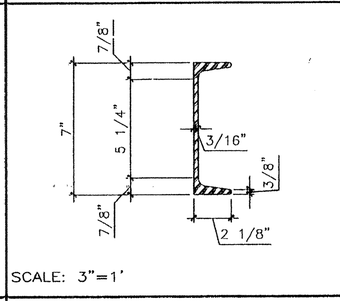
SCALE: 3"=1'

TAPERED ROOF BEAM | 1



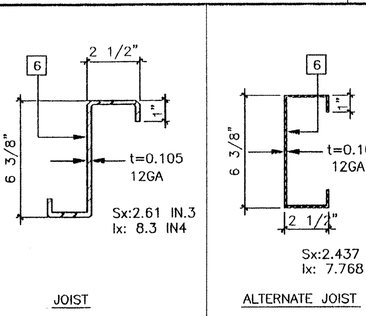
SCALE: 3"=1'

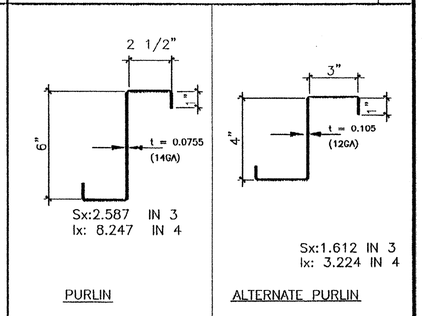
BEAM SPLICE W/STIFFENER | 9



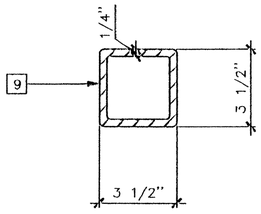
SCALE: 3"=1'

FLOOR BEAM C7X9.8 | 5



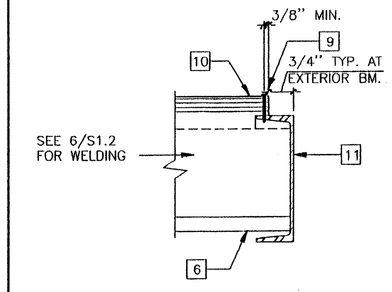


TAPERED ROOF BEAM | 1



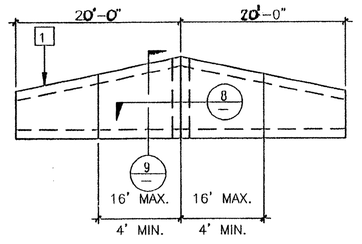
TS 3 1/2" X 3 1/2" X 1/4"

CORNER COLUMN | 12

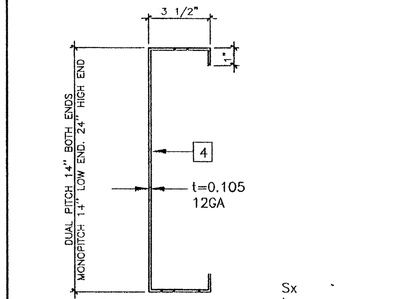


SCALE: 3"=1'

FLR LOIST AT FLOOR BEAM | 10



BM. SPLICE @ RIDGE (DUAL SLOPE) | 7



SCALE: 3"=1'

FLOOR JOIST | 6

ROOF PURLIN 3" = 1'-0" | 2

ROOF HEADER | 3

KEY NOTES

1. 10GA. TAPERED RF. BM. SEE 7/S2.1 &1/S2.1
2. NOT USED
3. TS 3 1/2"X3 1/2"X1/4" COLUMN
4. ⊏ 14"X10GA. RF. HDR. SEE 3/S2.1
5. NOT USED
6. FLOOR JOIST SEE 6/S2.1
7. 10GA. BENT PLATE BACK-UP
8. STIFFENER @ 3" X 1/4" THK.
9. #10 STSMS @ 6" O.C. (SEE S1.0)
10. PLYWOOD FLR. SHEATHING
11. FLOOR BEAM SEE 5/S2.1
12. NOT USED
13. ⊐ 6" X 2 1/2" X 14GA PURLIN
    ALT: ⊐ 4" X 3" X 12GA

FILE PATH: PC270S21.DWG

REVISED
JUL 1 1999
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101527
AC FLS SS
DATE MAY 20 1999

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101527
AC FLS SS
DATE SEP 02 1999

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
8 117026
AC FLS SS
DATE 6/11/14

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER
S. V. MISTRY
No. 53413
for
STRUCTURAL
STATE OF CALIFORNIA
02-08-99

Architects Seal

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-270
AC FLS SS
DATE FEB 19 1999
REVISED

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

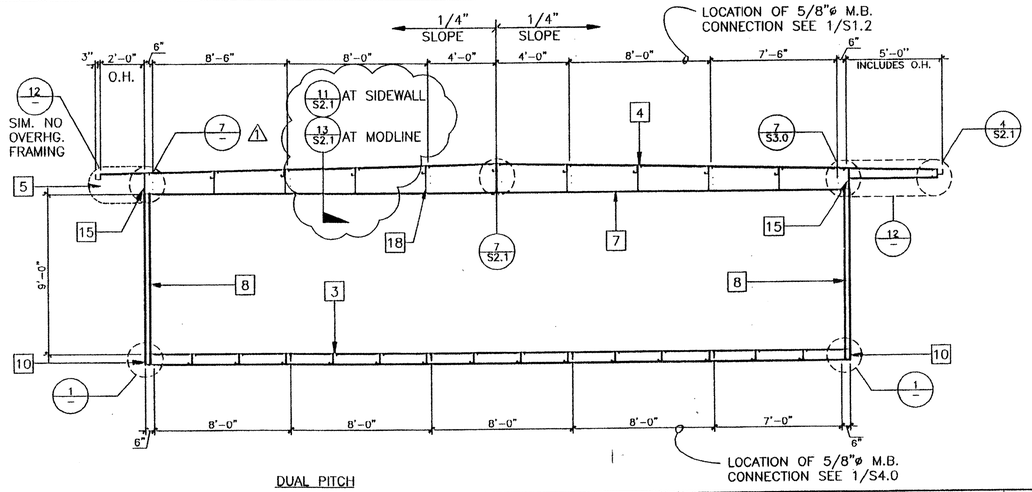
PROJECT NUMBER:

DRAWN BY: K.Y.F
DATE: 2-2-99
CHECKED BY: SS
DATE:
MODTECH PROJECT NO:
MODTECH Index No.

STRUCTURAL DETAILS

S2.1

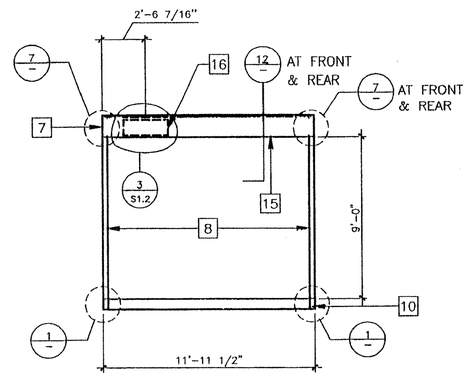
PROJECT NO.
PC-270



DUAL PITCH

B

SECTION AT SIDEWALL



A

SECTION AT ENDWALL

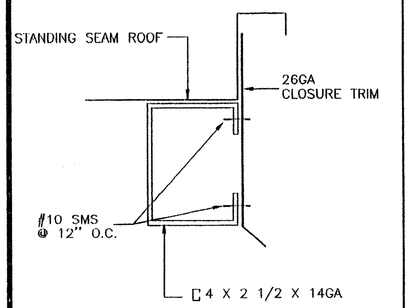
KEY NOTES

1. EN ⊕ PLYWOOD EDGES
2. 22GA STANDING SEAM ROOF
3. 6 3/8"X2 1/2"X12GA. FLR. JOIST 6/S2.1
4. 6X2 1/2"X14GA. ROOF PURLIN 2/S2.1
5. 3"X3"X3"X26GA ROOF END CLOSURE W/#10 STSMS W/NEOPRENE WASHER TOP & BOTT.
6. [7 X 9.8 FLOOR HEADER
7. [10 GA. TAPERED ROOF BEAM (SEE 3/S2.1) OR 12/S2.1 REFER TO RF. FRAMING PLAN
8. T.S. 3 1/2"X3 1/2"X1/4" COLUMN
9. BACK-UP PLATE MIN. 10 GA.
10. [7X9.8 FLOOR CHANNEL
11. 3 1/2"X3 1/2"X1/4" STEEL PLATE WELDED FLUSH TO TOP AND BOTTOM OF CHANNEL FLANGES
12. NOT USED
13. 3 1/2X3 1/2X1/4 STIFFENER ANGLE COPE TO FIT C7 X 9.8
14. ~~STIFFENER COPED~~ TS 3 1/2X3 1/2X1/4
15. [14"X3 1/2"X12GA. HEADER (SEE 3/S2.1)
16. LOCATION OF HVAC OPENING
17. 3"X3"X1/4" THICK X 1/2" LONG INSERT POST
18. 3" X 1/4" FULL DEPTH STIFFNER PLATE AT 4'-0" O.C. ALIGN WITH PURLIN EXTERIOR BAYS (SIDEWALLS) ONLY. SEE 9/S2.1 FOR WELDING SEE 11/S2.1 FOR PURLIN WELDING

REVISED JUL 1 1999
OFFICE OF REGULATION SERVICES
04 101154
AC FLS SS
DATE MAY 20 1999

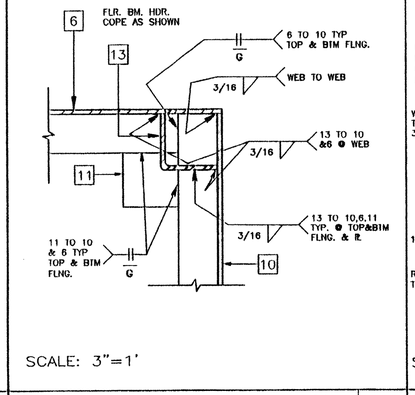
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101527
AC FLS SS
DATE SEP 02 1999

10



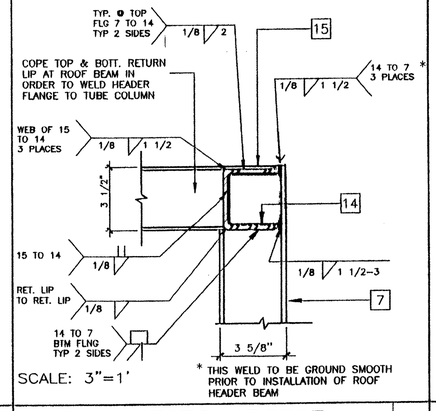
SECTION THRU OVERHANG BEAM

11



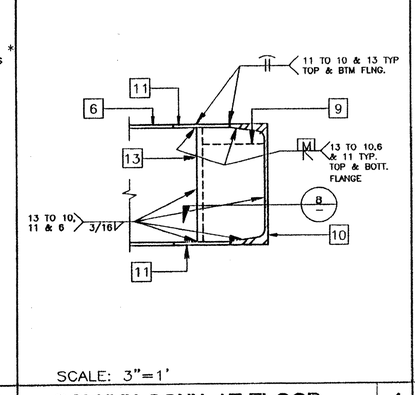
STIFFENER SECTION AT FLOOR

8



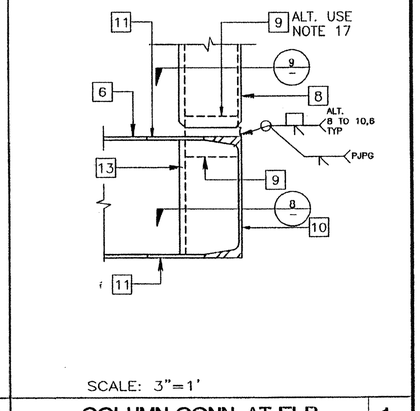
STIFFENER SECTION AT ROOF

6



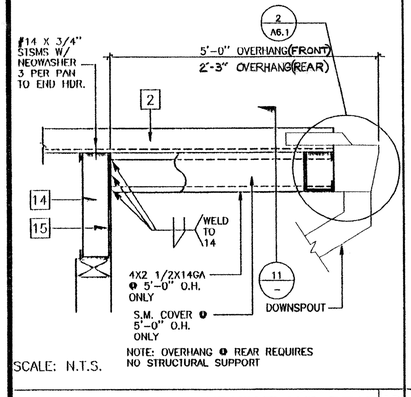
COLUMN CONN. AT FLOOR

4



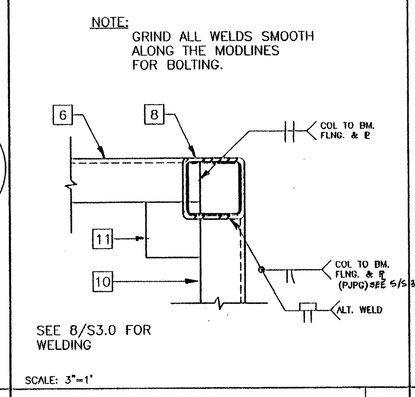
COLUMN CONN. AT FLR.

1



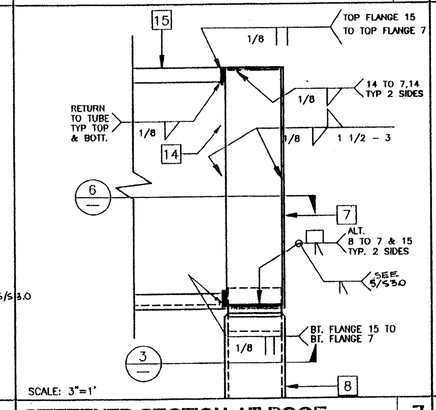
GUTTER AT OVRHNG AT FRNT AND REAR

12



COLUMN AT FLOOR

9



STIFFENER SECTION AT ROOF

7

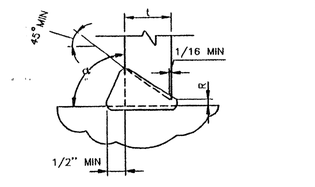
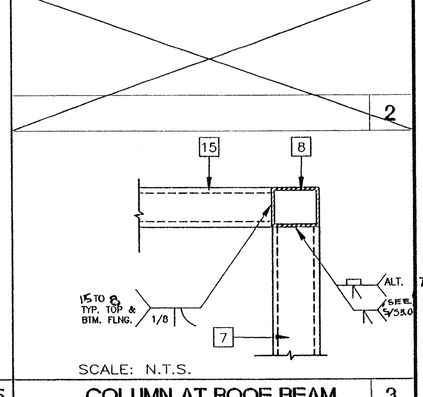


FIGURE L-1
PARTIAL JOINT PENETRATION GROOVE WELDS IN TRUSS CONNECTIONS OF HOLLOW STRUCTURAL SECTIONS

P.J.G.P. WELD DETAIL

5

2



COLUMN AT ROOF BEAM

3

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
03 117026
AC FLS SS
DATE 6/11/03

PROJECT NO. XXXX

FILE PATH: PC270S30.DWG

PC-270

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER
S. V. MISHRY
No. S3413
for 12/31/99
STRUCTURAL
STATE OF CALIFORNIA
02-08-99

Architects Seal

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-270
AC. FLS SS
DATE FEB 19 1999
REVISED

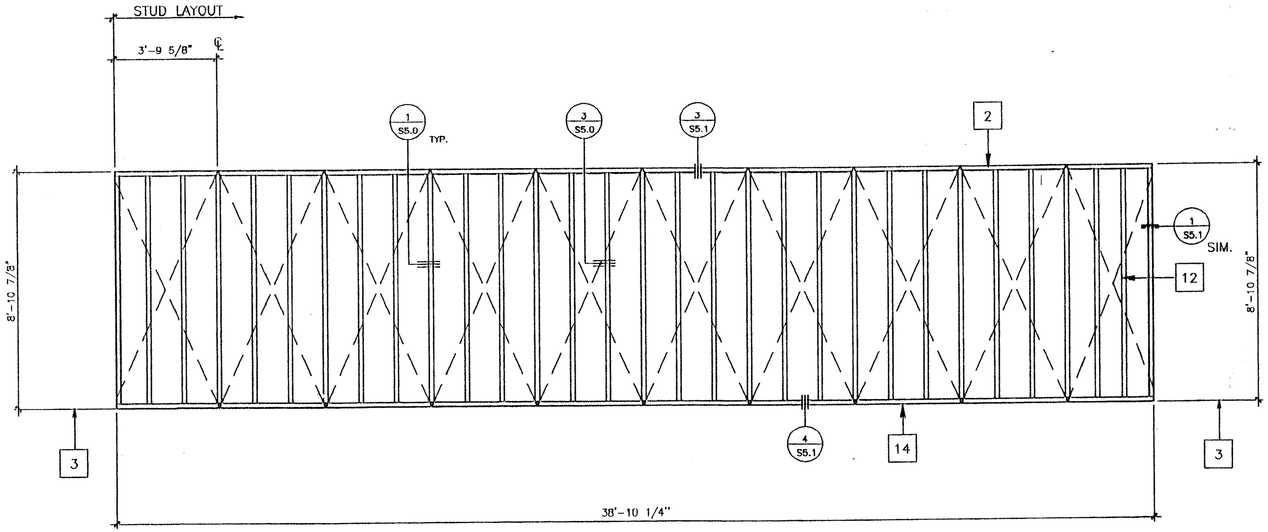
MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: XXXX
--
--

DRAWN BY: RVF DATE: 2-2-99
CHECKED BY: SD DATE:
MODTECH PROJECT NO: XXXX
MODTECH Index No.

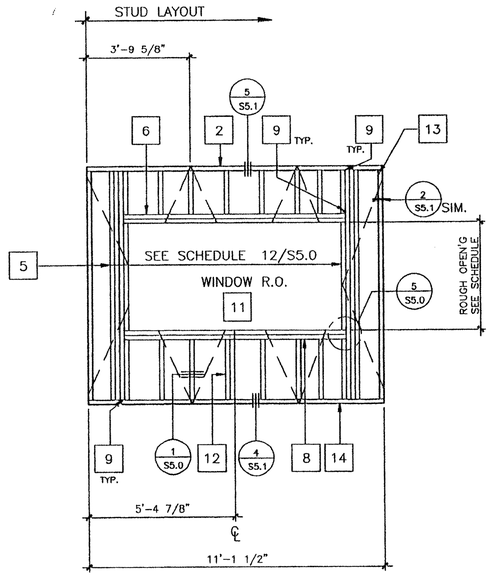
FRAMING ELEVATIONS/DETAILS

S3.0



A

A_1 OPPOSITE HAND



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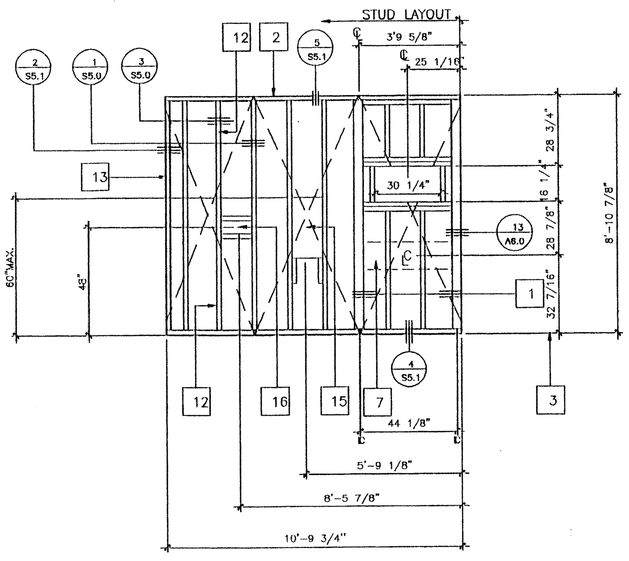

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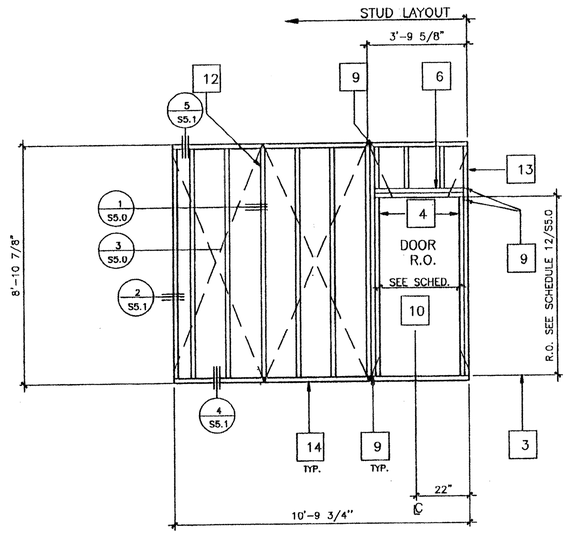
C_1 OPPOSITE HAND



D

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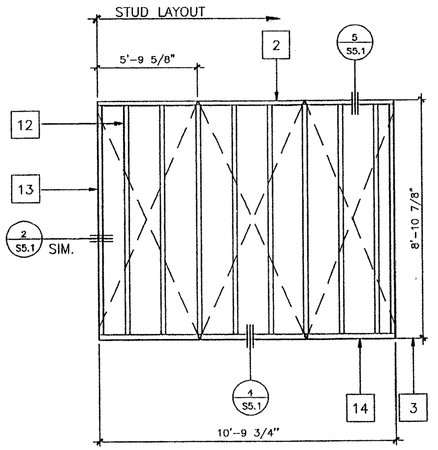


E

SCALE 3/8"=1'

KEY NOTES

1	4 X 4 POST ALT,:USE 2–2X4 W/FACE NAILING
2	2X4 TOP PLATE
3	FINISH FLOOR
4	2X4 FULL HGT. KING STUDS AND 2X4 TRIMMER (SEE SCHEDULE FOR QUANTITY SHT S5.1)
5	FULL HEIGHT STUDS AND 1–2X4 TRIMMER (SEE WINDOW SCHEDULE FOR JAMB STUDS REQUIRED. SHEET S5.0.
6	HEADER (SEE SCHEDULE)
7	26GA X 4" WIDE STRAP
8	WINDOW SILL PLATE (SEE SCHEDULE)
9	A 34 CLIPS AT HEADER & SILL TO FULL HGT. STUDS AND FULL HGT. STUDS TO TOP AND BOTTOM PLATES.SEE 4/S5.0
10	REQUIRED OPENING FOR A 306B DOOR (SEE DETAIL 7/S5.0)
11	REQUIRED OPENING FOR A 8040 WINDOW (SEE DETAIL 6/S5.0)
12	2X4 STUD AT 16" O.C. TYPICAL
13	2X4 NAILER TYPICAL AT EACH END
14	2X4 SILL PLATE
15	FRAME FOR ELECTRICAL PANEL
16	THERMOSTAT LOCATION 4S BOX

REVISED GL JUL 1 1999

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 101194 AC FLS SS GP DATE MAY 20 1999

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 101527 AC FLS SS GP DATE SEP 0 8 1999

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 83 112035 AC 6/1/16 RH

FILE PATH: PC270S40.DWG

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
1			REGISTERED PROFESSIONAL ENGINEER S. V. MISIRY No. S3413 Exp. 6/30/2001 STRUCTURAL STATE OF CALIFORNIA 02.08.99		PC-270 AC FLS SS GP DATE FEB 1 9 1999 REVISED
2					
3					
4					
5					

MODTECH

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

PROJECT NUMBER:

DRAWN BY: RVF DATE: 2-2-99
CHECKED BY: SS DATE:
MODTECH PROJECT NO:
MODTECH Index No.

WALL FRAMING

S4.0

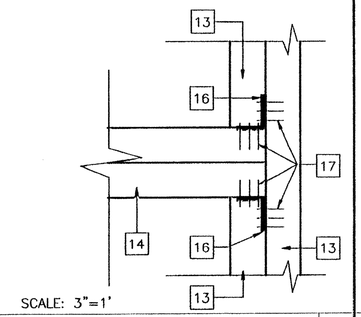
PROJECT NO. PC-270

NAILING SHEDULE

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

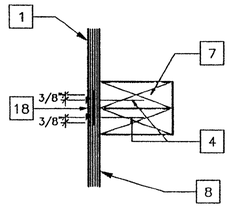
NOTE: All nail shall be box nails unless otherwise noted.

1. COMMON OR BOX NAILS MAY BE USED EXCEPT WHERE OTHERWISE STATED.
2. NAILS SPACED AT 6"(152MM) ON CENTER AT EDGES, 12"(305MM) AT INTERMEDIATE SUPPORTS EXCEPT 6 INCHES (152MM) AT ALL SUPPORTS WHERE SPANS ARE 48"(1219MM) OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLE DIAPHRAMS AND SHEAR WALLS, REFERTO SECTION 2314.3. NAILS FOR WALL SHEATHING MAY BE COMMON, BOX OR CASING.
3. COMMON OR DEFORMED SHANK
4. COMMON
5. DEFORMED SHANK
6. CORROSION–RESISTANT SIDING OR CASING NAILS CONFORMING TO THE REQUIREMENTS OF SECTION 2325.1.
7. FASTENERS SPACED 3 INCHES(76MM) ON CENTER AT EXTERIOR EDGES AND 6 INCHES(152MM) ON CENTER AT INTEERMEDIATE SUPPORTRS.
8. CORROSION–RESISTANT ROOFING NAILS W/7/16(11MM) HEAD AND 1 1/2 INCH(38MM) LENGHT FOR 1/2 INCH(13MM) SHEATHING AND 1 3/4 INCH(44MM) LENGHT FOR 25/32 INCH(20MM) SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION 2325.1.
9. CORROSION–RESISTANT STAPLES WITH NOMINAL 7/16 INCH(11MM) CROWN AND 1 1/8 INCH(29MM) LENGHT FOR 1/2 INCH(13MM) SHEATHING AND 1 1/2 INCH(38MM) LENGHT FOR 25/32 INCH(20MM) SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION 2325.1.
10. PANEL SUPPORTS AT 16 INCHES(406MM) 120 INCHES(508MM) IF STRENGGHT AXIS IS IN THE LONG DIRECTION OF PANEL, UNLESS OTHERWISE MARKED. CASING OR FINISH NAILS SPACED 6 INCHES(152MM) ON PANEL EDGES. 12 INCHES (152MM) AT INTERMEDIATE SUPPORTS.
11. PANEL SUPPORTS AT 24 INCHES(610MM). CASING OR FINISH NAILS SPACED 6 INCHES(152MM) ON PANEL EDGES. 12 INCHES(305MM) AT INTERMEDIATE SUPPORTS.



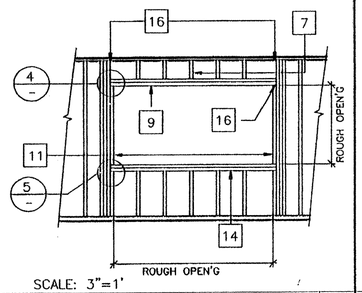
SCALE: 3"=1'

9 **WINDOW SILL AT JAMB** 5



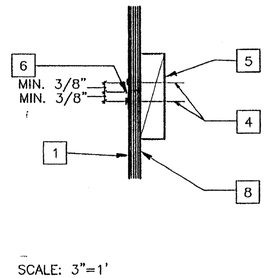
SCALE: 3"=1'

DETAIL AT VERT. PLYWOOD EDGES 1



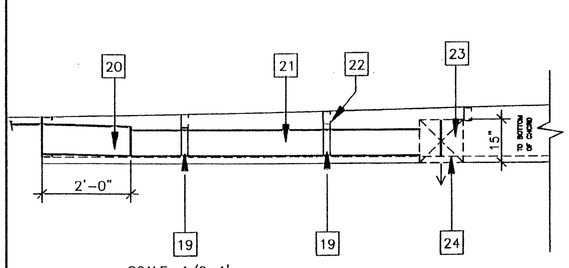
SCALE: 3"=1'

10 **TYP. WINDOW FRAMING** 6



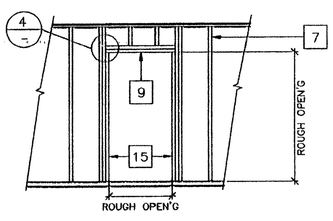
SCALE: 3"=1'

DETAIL AT HORIZ. PLYWOOD JOISTS 2



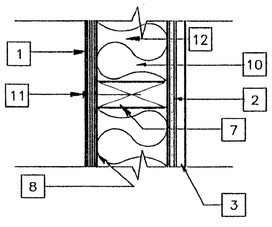
SCALE: 1/2=1'

SECTION; HVAC IN ROOF 11



SCALE: 3"=1'

TYP. DOOR FRAMING 7



SCALE: 3"=1'

SECTION AT STUD 3

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

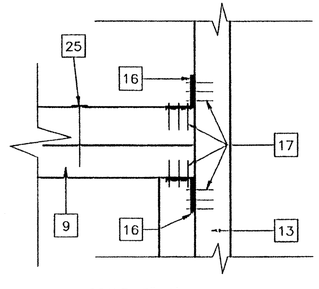
* FULL HEIGHT STUDS

* * ALL WOOD WINDOW HEADER SHALL BE D.F./ LARCH #2 GRADE

ALTERNATE: METAL STUD 3 1/2 " X 20 GA.
IN LIEU OF 2X4 WD. STUDS

ROUGH OPENING SCHEDULE 12

8



SCALE: 3"=1'

HEADER DETAIL 4

KEY NOTES

1	EXTERIOR PLYWOOD SIDING – SHEATHING NAIL W/GALV. BOX NAILS –8d AT 6" O.C. EDGES, 8d AT 12" O.C. IN FIELD
2	GYP. BOARD
3	TYP. INTERIOR FINISH–SEE FINISH SCHEDULE
4	E.N.
5	2X4 BLK'G
6	"Z" FLASHING
7	2X4 AT 16" O.C./DBL. 2X4 AT VERT. SIDING JOINT
8	WATERPROOF MEMBRANE
9	HEADER (SEE SCHEDULE S5.0)
10	INSULATION (SEE SPECIFICATIONS)
11	8d ELECTRO GALV. 12" O.C.FN.
12	2X4 SILL PLATE (BELOW)
13	FULL HEIGHT STUDS AND 1–2X4 TRIMMER (SEE OPENING SCHEDULE FOR JAMB STUDS REQ'D FOR DOORS & WINDOWS ONLY)
14	SILL PLATE (SEE SCHEDULE)
15	2X4 FULL HEIGHT KING STUDS AND 2X4 TRIMMER (SEE SCHEDULE FOR QUANTITY)
16	A 34 CLIPS AT HEADER AND SILL TO FULL HEIGHT STUDS AND FULL HEIGHT STUDS TO TOP AND BOTTOM PLATES
17	9GA. 8d 1 1/2" NAILS
18	LAP JOINT
19	2" WIDE DUCT SUPPORT STRAP @ 48" O.C.
20	PLENUM
21	DUCTWORK
22	ROOF PURLIN
23	TRANSFER BOX
24	ROOF CHANNEL
25	16D @ 16" O.C.

REVISED Ga JUL 1 1999
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 101152
AC FLS SS JP
DATE MAY 20 1999

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 101527
AC FLS SS JP
DATE SEP 0 2 1999

NOTES

1. NAILING:
–NAILING IN ACCORDANCE W/ T.24 C.A.C TABLE 2–25 P
–ALL NAILS EXPOSED TO WEATHER SHALL BE GALV.
–MACHINE APPLIED NAILING SHALL HAVE PRIOR DEMOSTRATION AND APPROVAL BY O.S.A. / DSA FIELD REP. AND THE ARCHITECT.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
02
AC 117026
DATE 6/11/99

FILE PATH: PC270S50.DWG

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER
S. V. MISTRY
No. S3413
Exp. 06/2001
STRUCTURAL
STATE OF CALIFORNIA
02-08-99

Architects Seal

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC - 270
AC DS SS
DATE FEB 19 1999 CA
REVISED

MODTECH

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

PROJECT NUMBER:

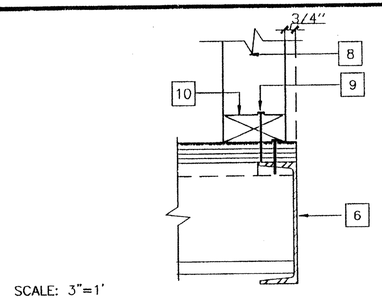
DRAWN BY: RVF
DATE: 2-2-99
CHECKED BY: SS
DATE:
MODTECH PROJECT NO:
MODTECH Index No.

FRAMING DETAILS

S5.0

PROJECT NO. PC–270

17	13	ENDWALL•ROOF HDR.	9	PLATE • FLOOR	4
18	14		10	END WALL•ROOF HEADER	5
19	15		11	COL.•ENDWALL/DOOR	6
20	16		12		8



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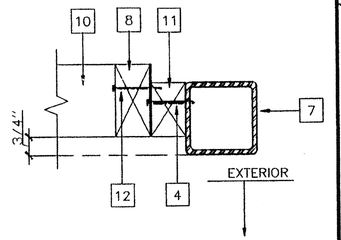

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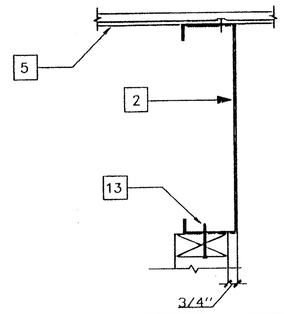

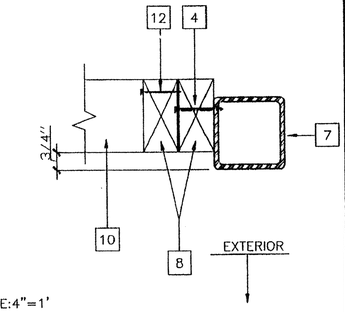

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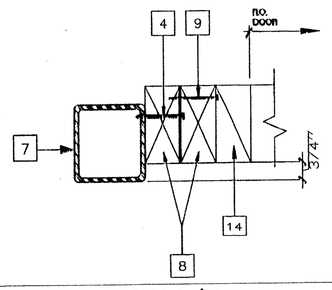

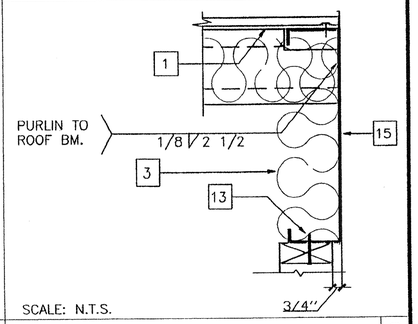

SCALE: N.T.S.

KEY NOTES

1	22 GA. MTL. ROOF DECK
2	[12GA. X 14" HEADER .
3	INSULATION SEE SPEC'S.
4	#10 S.T.S.M.S @24" O.C. OR 0.145ø SHOT PIN AT 24" O.C.
5	STANDING SEAM ROOF BEAM (SEE STRUCTURAL)
6	FLOOR BEAM (SEE STRUCTURAL)
7	TUBE STEEL COLUMN.
8	2X4 STUD @ 16" O.C. TYP.
9	16d BOX NAILS @ 8" O.C.
10	2X4 SILL PLATE.
11	2X TRIMMER @ CORNER.
12	16d @ 24"O.C.
13	#10 S.T.S.M.S @ 16"O.C. OR AEROSMITH AKN 144.0175 DRIVE PIN.
14	2X4 TRIM
15	ROOF BEAM

JUL 1 1999
REVISED

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101094
AC FLS SS
DATE MAY 20 1999

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101527
AC FLS SS
DATE SEP 02 1999

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
07 117036
AC FLS SS
DATE 6/11/16

FILE PATH: PC270S51.DWG

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER
S. V. MISHRA
No. 53413
STRUCTURAL
STATE OF CALIFORNIA
02.08.99

Architects Seal

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-270
AC FLS SS
DATE FEB 19 1999
REVISED

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

PROJECT NUMBER:

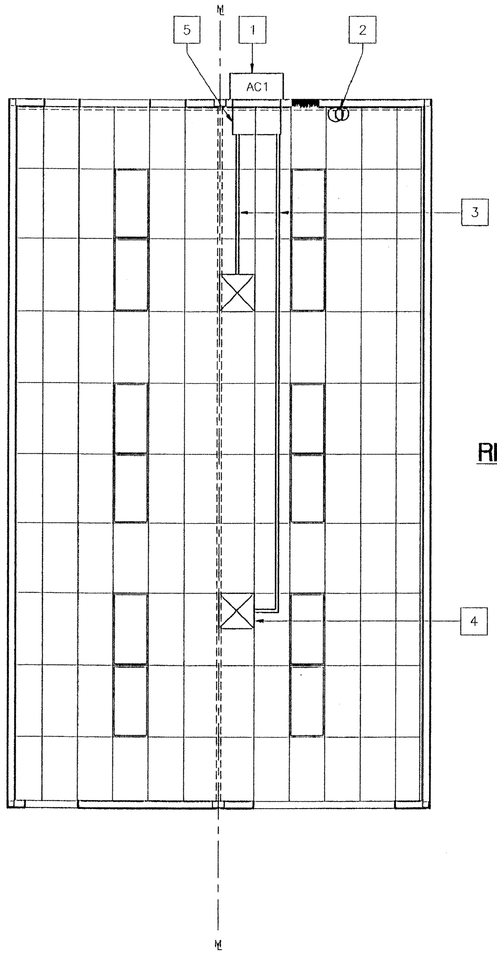
DRAWN BY: RVF DATE: 2-2-99
CHECKED BY: DATE:
MODTECH PROJECT NO:
MODTECH Index No.

WALL FRAMING DETAILS

S5.1

PROJECT NO. PC-270

REAR



LEFT

RIGHT

FRONT

KEY NOTES

1. AC1: WALL MOUNT 3.5 TON HEAT PUMP.NOMINAL 42,500 BTUH COOL / 42,500 BTUH HEAT W/5kw HEATER. OLA AND CALIFORNIA STATE ENERGY APPROVED. 208/230V, 1 PHASE, MAX FLA 28 AMPS. WEIGHT 515 LBS.
2. (T) THERMOSTAT–WHITE ROGERS IF92 AT +48" AFF
3. 12" FLEX DUCT
4. 15 x 15 4W 700 CFM SUPPLY AIR GRILLE
5. 10" X 30" X 2' PLENUM (SEE SPECS.)

NOTES

1. INSULATION APPLIED TO EXTERIOR SURFACE OF DUCTS LOCATED IN BLDGS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 & A SMOKE–DENSITY NOT EXCEEDING 50 WHEN TESTED AS A COMPOSITE INSTALLATION. INCLUDING INSULATION, FACING MATERIALS, TAPES & ADHESIVES AS NORMALLY APPLIED.

2. SCHOOL EQUIPMENT ANCHORAGE

THE FOLLOWING IS FOR THE MECHANICAL ENGINEER'S INFORMATION ONLY:

THE SEISMIC ANCHORAGE OF MECHANICAL EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24, SECTION 1630A.2 (g) AND TABLE 16A–O. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 LBS. AND HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS. MAY BE OMITTED FROM THE PLANS.

FOR MECHANICAL DRAWINGS:

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

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

FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 X THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 X THE HORIZONTAL FORCE.

THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE , Z = 0.4.

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENG., AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101190
AC XX FLS XX SS 6a
DATE MAY 20 1999
REVISED
JUL 1 1999

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101527
AC G FLS SS 7P
DATE SEP 02 1999

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
97 117026
AC
DATE

MECHANICAL PLAN (24'X40')

SCALE: 1/4" = 1'–0"

BASED ON PC 270

FILE PATH:

PROJECT NO.-----

PC-

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	Division of the State Architect
1					IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL AC_____ FLS_____ SS_____ DATE_____
2					
3					
4					
5					

MODTECH INC.
2830 BARRETT AVENUE
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PROJECT NUMBER: -----

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--

DRAWN BY: --
DATE: --
CHECKED BY:
DATE:
MODTECH PROJECT NO: -----

MODTECH Index No.

MECHANICAL (HVAC) PLAN

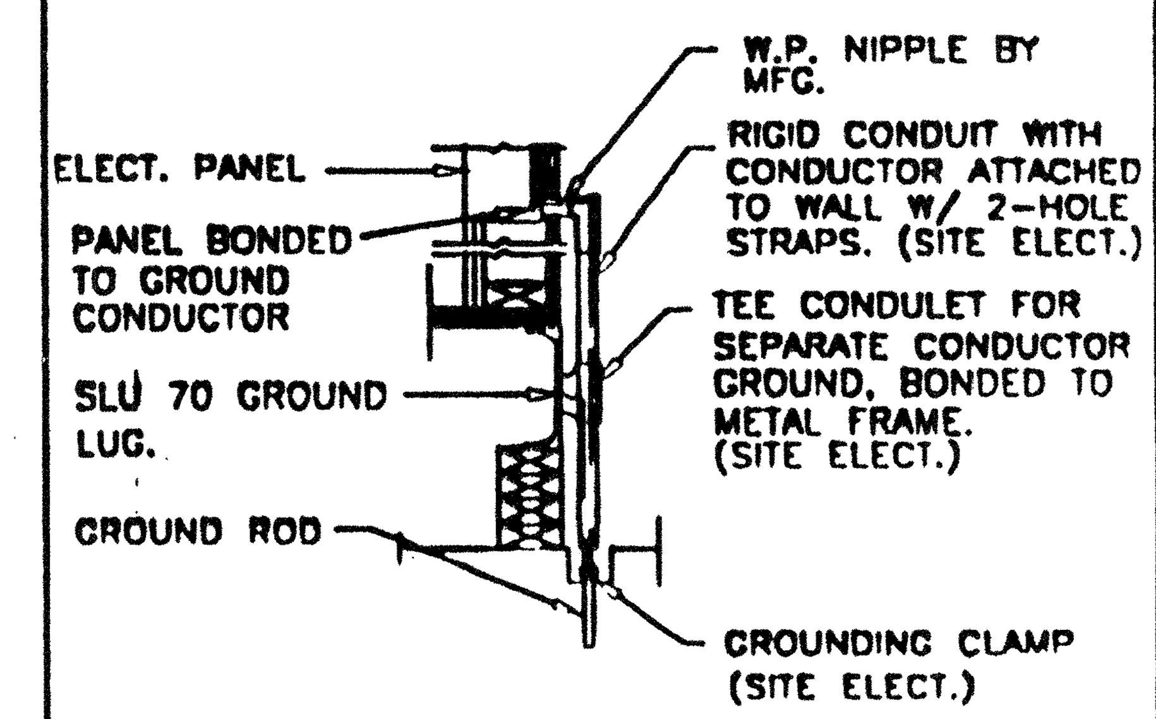
M1.0

ELECTRICAL PANEL SCHEDULE

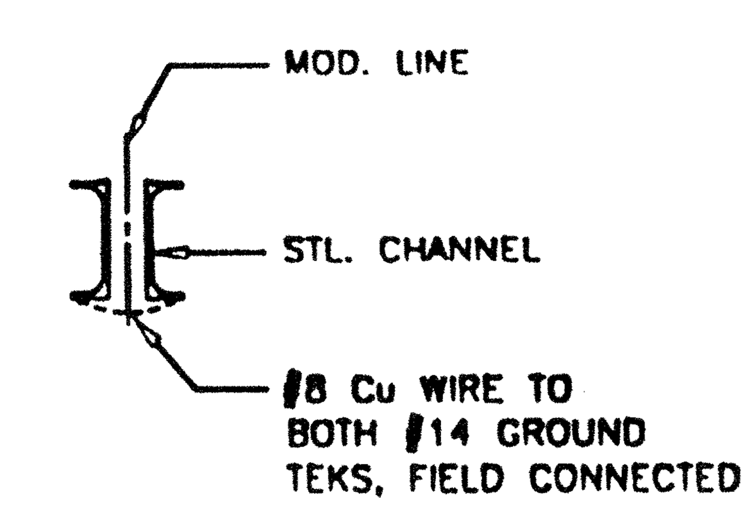
MAIN: 100 AMP						PANEL: A						FEED: REAR		
						LOCATION: REAR/INTERIOR						MOUNTING: FLUSH		
LOAD		WATTS		BREAKER		POLE	A	B	POLE	BREAKER		WATTS		LOAD
		Aø	Bø	Amps	P					P	Amps	Aø	Bø	
RECEPTACLE	(4)	720		20	1	1			2	2	50	3360		HVAC (3.5T)
RECEPTACLE/CLOCK	(5)		720	20	1	3			4	–	–		3360	HVAC (3.5T)
INT/EXT LIGHTS	(13)	900		20	1	5			6	2	30	2500		HEAT STRIPS (5KW)
INTERIOR LIGHTS	(12)		840	20	1	7			8	–	–		2500	HEAT STRIPS (5KW)
						9			10					
						11			12	–	–		40	FIRE ALARM (DEDICATED)
WATTS/PHASE A = 7480		1620	1560									5860	5900	B = 7480 WATTS/PHASE
TOTAL 15'375 WATTS		65 AMPS				120/240 VOLTS				SINGLE ø				THREE WIRE
NCL = 13,200 W														

GENERAL GROUNDING NOTES

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



TYP GROUNDING DETAIL | 1



GROUND JUMPER @ MOD LINE | 2

ELECTRICAL LEGEND

- 2'x4' 4 TUBE FLUORESCENT LIGHT FIXTURE
- STANDARD LIGHT FIXTURE AT +93" AFF
- DUPLEX WALL RECEPTACLE 15-A 125-V 3-WIRE AT +18" AFF
- HVAC UNIT [HV]
- 4s J-BOX FOR FIRE ALARM PULL STATION AT +48" AFF, 3/4" CO TO [strobe] PULLSTRING
- 4s J-BOX FOR FIRE ALARM STROBE AT +80" AFF, 3/4" CO TO [horn] PULLSTRING
- 4s J-BOX FOR FIRE ALARM HORN AT +96" AFF 3/4" CO STUB IN ATTIC, PULLSTRING
- WEATHER PROOF GUTTER BOX (6x6x4) AT +18" AFF 3/4 CO STUB IN ATTIC, PULLSTRING
- ELECTRICAL PANEL AT +60" AFF TO CENTERLINE 1 1/4" POWER NIPPLE POC. GND JUMPER BY SITE ELECT
- SWITCH AT +48" AFF
- CLOCK AT +90" AFF

NOTES

1. SCHOOL EQUIPMENT ANCHORAGE

THE FOLLOWING IS FOR THE ARCHITECTS INFORMATION ONLY:

THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24, SECTION 1630A.2 (g) AND TABLE 16A-O. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIP. WEIGHING LESS THAN 400 LBS. & HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS. MAY BE OMITTED FROM THE PLANS.

FOR ELECTRICAL DRAWINGS:

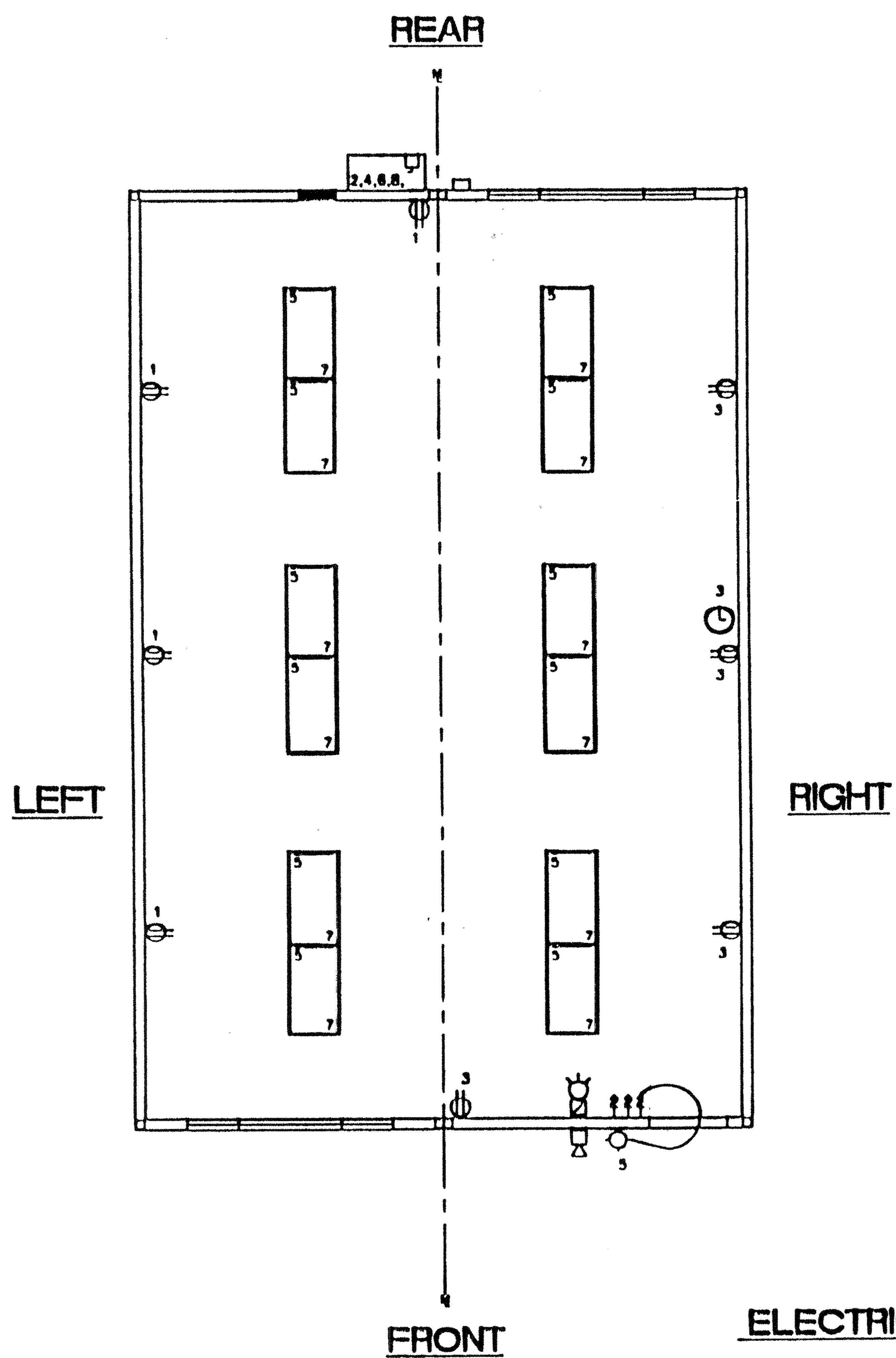
ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

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

FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 X THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 X THE HORIZONTAL FORCE.

THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE, Z = 0.4.

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.



ELECTRICAL PLAN (24'X40')

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

BASED ON PC 270

REVISIONS

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

Division of the State Architect — IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES — APPL 270 — AC ___ FLS ___ SS ___ DATE ___

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

PROJECT NUMBER: ----

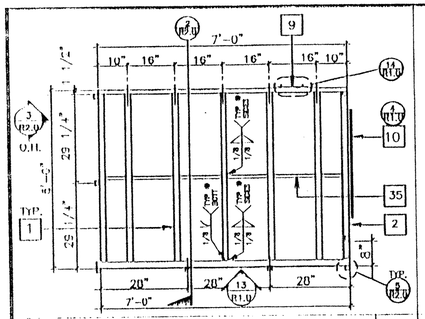
DRAWN BY: -- DATE: -- CHECKED BY: DATE: MODTECH PROJECT NO: ----

MODTECH Index No.

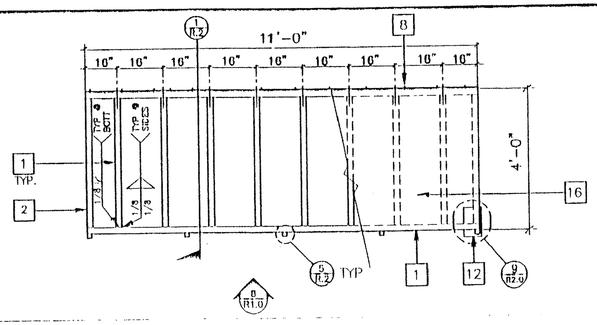
ELECTRICAL PLAN

E1.0

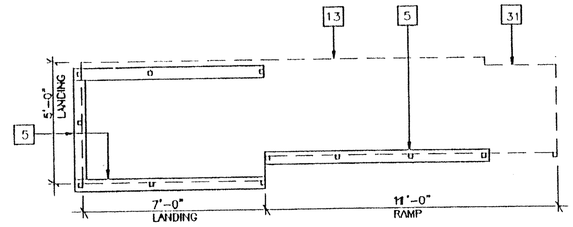
PROJECT NO. ----



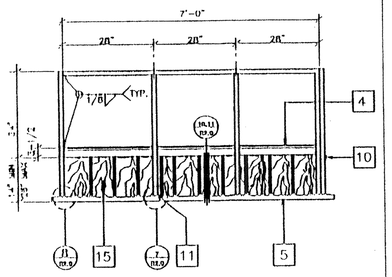
LANDING FRAME | 12



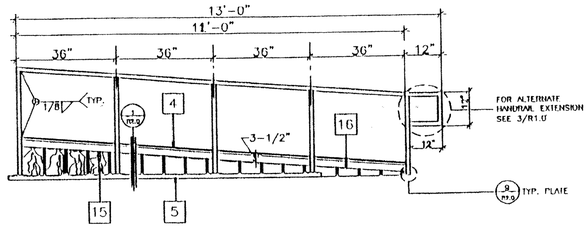
RAMP FRAME | 7



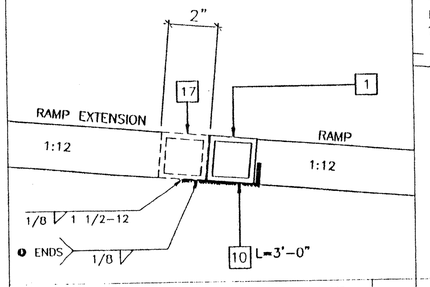
SILL PLAN FOR RAMP AND LANDING | 3/8" | 1



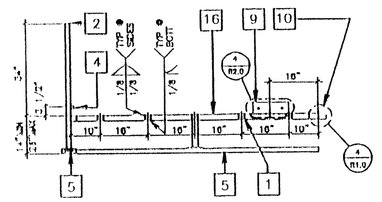
LANDING ELEVATION | 13



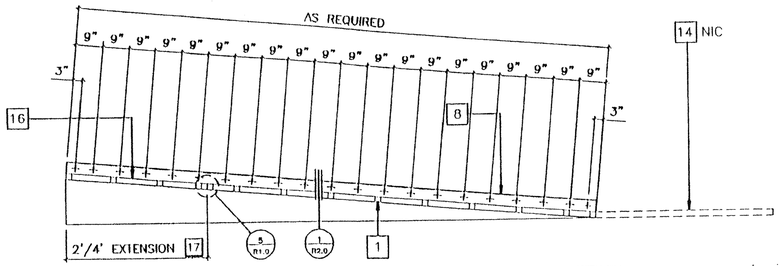
RAMP ELEVATION | 8



RAMP AND LANDING AT BUILDING | 3/8" | 2

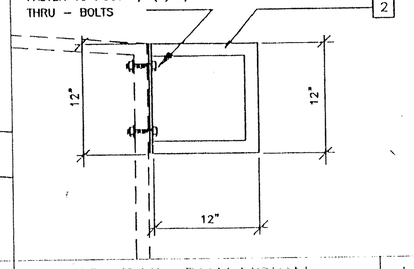


LONG. SECTION @ LANDING | 14

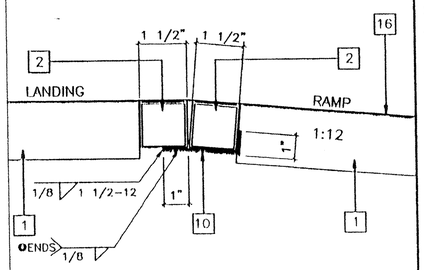


LONGITUDINAL SECTION @ RAMP | 9

RAMP EXTENSION TO RAMP | 5



GUARD RAIL EXTENSION | 3



LANDING TO RAMP | 4

KEY NOTES

1	TS 2" x 2" x 14ga
2	TS 1 1/2" x 1 1/2" x 14ga (Fy = 39KSI), RADIUS CORNERS.
4	TS 1" x 1" x 16ga WHEELCHAIR GUIDE
5	2 x 6 PT SILL PLATE
8	6" x 10ga CONT. PLATE W/ 1/4" x 2" TEK SCREWS @9"OC INTO WOOD OR FOUND. BLOCKS OR #14 x 2" TEK SCREWS INTO STEEL @ 9" OC
9	6" x 12" x 10ga PLATE W/2-1/4" x 3" LAGS TO STRUCTURAL FRAME OF BUILDING
10	3" x 1" x 3'-0" x 10ga BENT PLATE
11	2" x 4" x 12ga BASE PLATE W/2-1/4" x 1" LAGS
12	6" x 10" x 12ga BASE PLATE @ RAMP TOE
13	LINE OF RAMP/LANDING ABOVE
14	LOWER LANDING BY DISTRICT
15	SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH W/ 8d @ 6" OC EDGES AND 12 OC FIELD. AT EDGE CONNECTION TO T.S. USE #14 x 2" TEK SCREWS @ 6 OC-(OPTIONAL)
16	12ga METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 6%. MAINTAINABLE FOR 1 YR
17	RAMP EXTENSION FRAME.
18	EXISTING BUILDING.
27	RAMP BY MODTECH
28	FLUSH TRANSITION
31	NOTCH BOTTOM PLATE (MUD SILL) AS REQUIRED TO CLEAR RAMP TOE. MAX NOTCH 1 1/2" x 4'-0" LONG.
35	TS 1" x 1" x 16ga

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DATE SEP 17 '97

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OFFICE OF REGULATION SERVICES
04 101191
AC
DATE MAY 24 1996

NOTES

1 RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"

2 HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP AT 34" HT

3 SURFACE: LANDING & RAMP TO HAVE NON SLIP SURFACE AMCOR GRIP II AS MANUFACTURED BY AMERICAN CHEMICAL COMPANY (OR EQUAL)

4 GROUNDING: PROVIDE GROUNDING OF RAMP TO BLDG FRAME W/#8 CU TO BOTH GROUND LUGS.

5 ARCHITECT SITE / RAMP / LANDING PLANNING:
DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26" THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 26'-0" AT A SLOPE OF 1:12 ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY MODTECH INC. IS 11'-0" AT A SLOPE OF 1:12 THEREFORE THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS MODTECH INC. RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON SHEET R1.1.

6 ALL 1 1/4" AND 1 1/2" TUBE STEEL TO BE ASTM A500 GRADE A STEEL (Fy = 39 KSI)

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83 117026
AC
DATE 6/11/96

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER
S. V. MISRY
No. S3413
Exp. 6-30-97
STRUCTURAL
STATE OF CALIFORNIA
2.08.97

Architects Seal

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 270
AC
DATE FEB 19 1997
REVISED

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

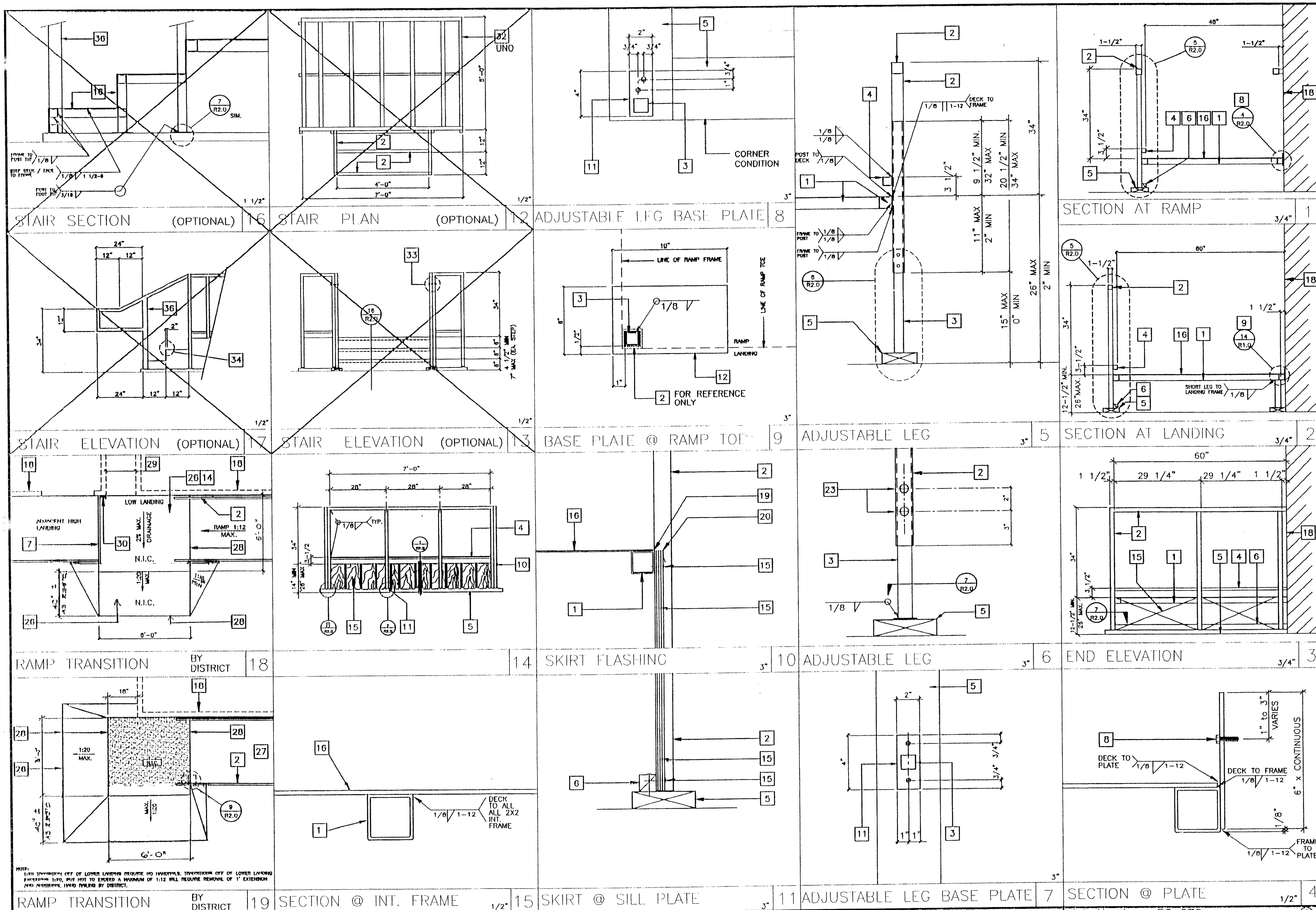
Job Number: PC 270

RAMP / LANDING

drawn by: FVH
date 11/96
checked by: SS
date
Modtech project no: PC 270

MODTECH Index No.
R1.0

237R10.DWG



KEY NOTES

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

REVISED

REVISIONS

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

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 270 FEB 19 1997 REVISED

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

Job Number: PC 270

drawn by: FVH date 11/96 checked by: SS

RAMP/STAIR DETAILS

MODTECH Index No. R2.0

MODTECH DESIGN MT-2440

PC 04-101419

RELOCATABLE CLASSROOM BUILDINGS

BUILDING SIZE: 24'x40'

FOR

WILLIAMS SCOTSMAN

STOCKPILE

MODTECH JOB #4398 (X 52 BLDGS)

BUILDING DATA

STRUCTURAL DESIGN: RIGID FRAME
TYPE OF CONSTRUCTION: V-N
WIND LOAD (EXP C): 80 MPH
FLOOR LIVE LOAD: 50 PSF
ROOF LIVE LOAD: 20 PSF

OCCUPANCY: 24'x40' CLASSROOM: E-2

BUILDING AREA:
24'x40' BUILDING — 960 SF

APPLICABLE CODES

TITLE 24. CCR. PART 2. 1998 CBC (97 UBC W/98 CA AMENDMENTS)
1997 UBC & 1998 CA AMENDMENTS (98 CBC – PART 2, TITLE 24, CCR)
1996 NEC & 1998 CA AMENDMENTS (98 CEC – PART 3, TITLE 24, CCR)
1997 UMC & 1998 CA AMENDMENTS (98 CMC – PART 4, TITLE 24, CCR)
1997 UPC & 1998 CA AMENDMENTS (98 CPC – PART 5 TITLE 24, CCR)
1997 UFC & 1998 CA AMENDMENTS (98 CFC – PART 9, TITLE 24, CCR)
1998 CA BUILDING STANDARDS CODE
TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS.

LEGEND

SYMBOL	DESCRIPTION
(detail circle 1/–)	DETAIL (1) ON SAME SHEET AS SYMBOL
(detail circle 1/2)	DETAIL (1) ON SHEET (2)
[1]	KEY NOTE (1) ON SAME SHEET AS SYMBOL
(section A/2)	SECTION "A" ON SHEET (2)
(triangle 1)	REVISION/CHANGE IN DRAWING. (1) IS FIRST REVISION
CLOUD	HIGHLIGHTS CHANGED AREA
(1)	DOOR REFERENCE
(A)	WINDOW REFERENCE
EL	ELECTRICAL ITEM(S) SEE ELECTRICAL DRAWINGS
HV	HEATING/VENTILATING & AIR CONDITIONING ITEM(S) SEE MECHANICAL DRAWINGS
PLG	PLUMBING ITEM(S) SEE MECHANICAL DRAWINGS
STR	STRUCTURAL ITEM(S) SEE STRUCTURAL DRAWINGS
FIN	FINISH ITEM(S) SEE FINISH SCHEDULE
RAMP	RAMP – SEE RAMP DRAWINGS

ABBREVIATIONS

AGC = ABOVE GRADE CONCRETE
BGC = BELOW GRADE CONCRETE
DIA = DIAMETER
CLR = CLEAR
GA = GAUGE
SIM = SIMILAR
MAX = MAXIMUM
MIN = MINIMUM
NIC = NOT IN CONTRACT
NTS = NOT TO SCALE
OC = ON CENTER
OD = OUTSIDE DIAMETER
OSB = ORIENTED STRAND BOARD
ROH = ROOF OVERHANG
SIM = SIMILAR
STS = SELF TAPPING SCREW
STSMS = SELF TAPPING SHEET METAL SCREW
TYP = TYPICAL
UON = UNLESS OTHERWISE NOTED

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04 104946

WITH THE SIGNING OF THESE DRAWINGS, WE ACKNOWLEDGE THAT WE HAVE REVIEWED THESE PLANS AND SPECIFICATIONS AND HAVE FOUND THEM TO BE IN GENERAL COMPLIANCE WITH THE BID DRAWINGS, SPECIFICATIONS AND ASSOCIATED ADDENDA. WHEN THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITECT, THEY SHALL PRESIDE OVER CONFLICTING AREAS IN THE BID DRAWINGS AND SPECIFICATIONS, AND ANY ADDENDA THERETO.

SHEET INDEX

ARCHITECTURAL

A.0	TITLE SHEET
A1.0	FLOOR PLAN 24'X40'
A2.0	ROOF PLAN (DUAL PITCH) 24'X40'
A3.0	EXTERIOR ELEVATIONS (DUAL PITCH) 24'X40' W/ FASCIA
A4.0	INTERIOR ELEVATIONS 24'X40'
A5.0	[illegible]
A6.0	ARCHITECTURAL DETAILS [illegible]
A6.1	ARCHITECTURAL DETAILS [illegible]
[illegible]	[illegible]
A7.0	REFLECTED CEILING PLAN (24'X40') [illegible]
A7.1	REFLECTED CEILING DETAILS

STRUCTURAL

F2.01	FOUNDATION PLAN AGC–50, 50+20 PSF
F2.02	FOUNDATION DETAILS AGC–100, 125 PSF
F2.11	FOUNDATION DETAILS ABOVE GRADE CONCRETE
F3.01	FOUNDATION PLAN BGC–50, 50+20 PSF
F3.02	FOUNDATION PLAN BGC–100, 125 PSF
F3.11	FOUNDATION DETAILS BELOW GRADE CONCRETE
F1.0	FOUNDATION PLAN (24 x 40) [illegible]
F2.01	FOUNDATION DETAILS (WOOD)
S1.0	FLOOR FRAMING PLAN [illegible]
S1.2	FLOOR FRAMING DETAILS (TYPICAL)
S2.0	ROOF FRAMING PLAN (DUAL PITCH) W/ FASCIA
S2.1	ROOF FRAMING DETAILS (TYP)
S3.0	STRUCTURAL ELEVATIONS & DETAILS (DUAL PITCH)
S4.0	WALL FRAMING (WOOD)
S5.0	WALL FRAMING DETAILS [illegible]
S5.1	WALL FRAMING DETAILS [illegible]

MECHANICAL

M1.0	MECHANICAL (HVAC) PLAN 24'X40' -3 1/2 TONS

ELECTRICAL

E1.0	ELECTRICAL PLAN 24'X40'

RAMP

R1.00	RAMP/LANDING PLAN W/ 11' RAMP
R1.02	RAMP/LANDING DETAILS

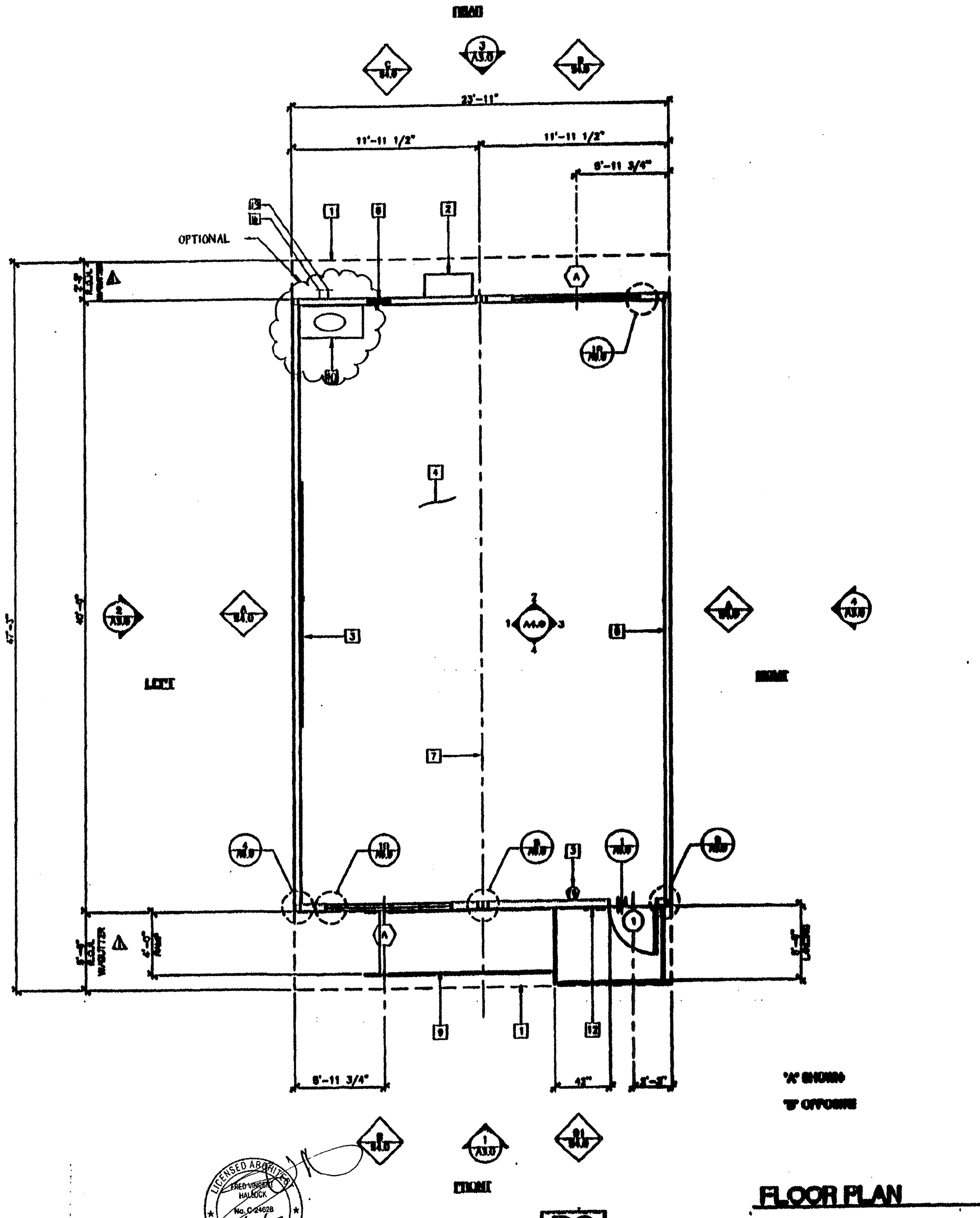
REVISED

CBC 1998 PC

REVISIONS

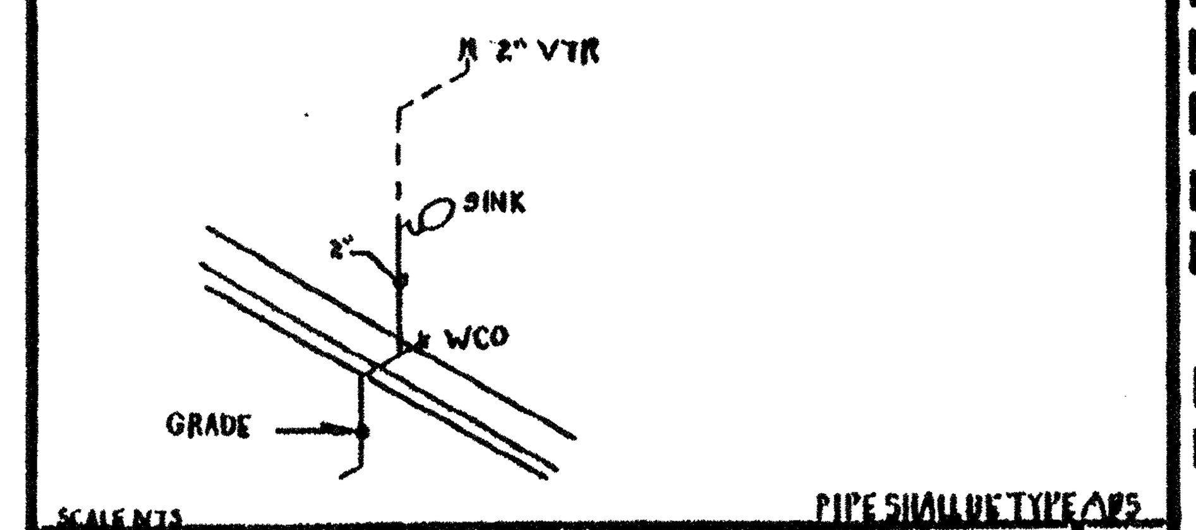
MODTECH INC.	PROJECT NUMBER: 4398
2830 BARRETT AVENUE, PERRIS, CALIF. 92572	WILLIAMS SCOTSMAN
PH (909) 943-4014	DRAWN BY: WQ DATE: 3/6/02
FAX (909) 940-0427	CHECKED BY: DATE:
COVER SHEET	A0.01

PROJECT NUMBER: 4398

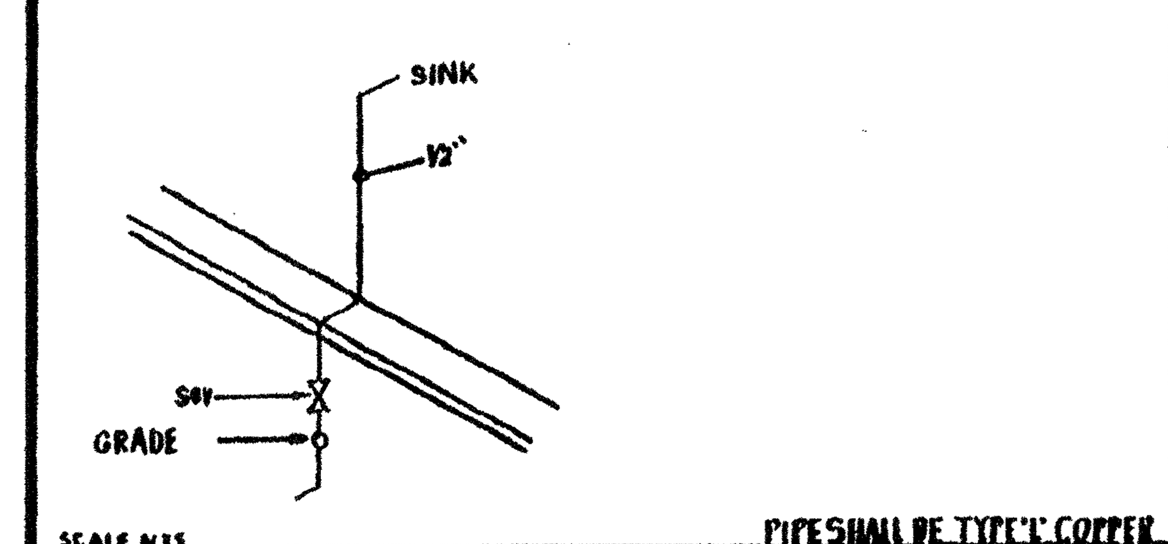


FLOOR PLAN

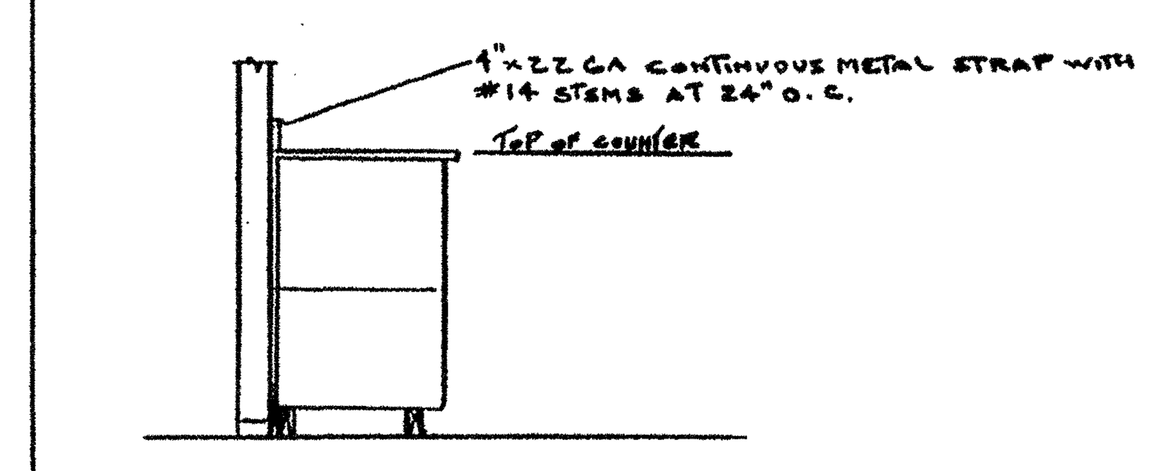
24x40
SCALE: 1/4" = 1'-0"



SINK CABINET WASTE | 1



SINK CABINET COLD WATER SUPPLY | 2



CABINET ATTACHMENT

KEY NOTES

1. ROOF OVERHANG
2. HVAC UNIT (HV)
3. 2 – 8'x4' MARKER BOARDS (SEE SPEC'S FOR TYPE)
4. FINISH FLOORING (FN)
5. INTERIOR FINISH (FN)
6. FIRE EXTINGUISHER – 5 LBS DRY CHEMICAL WITH 2A-10BC UL RATING WALL MOUNTED BRACKET, HANDLE AT 48" AFF
7. MODLINE (M)
8. ELECTRICAL PANEL
9. RAMP/LANDING (RW)
10. SINK CABINET OPTIONAL: (LOCATION MAY VARY)
    LAV: KOHLER # K-2867
    FAUCET CHICAGO 333-000
    BUBBLER - JSB-10
11. NOT USED
12. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY, SEE A5.0.
13. COLD WATER SUPPLY
14. WASTE AND VENT P.O.C.

NOTES

1. METAL TAG ON ALL MODULES. MECHANICALLY ATTACHED TO REAR EXTERIOR OF BUILDING SHOW D.S.A. APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER.
2. METAL TAG MIN. 3 1/2"X1 1/2" METAL I.D. W/
   1. DESIGN WIND LOAD
   2. DESIGN ROOF LOAD
3. PROVIDE MIN. 3 1/2"X1 1/2" METAL TAG INSTALLED INSIDE THE ELECTRICAL PANEL SHOWING OPSC NUMBER AND DSA NUMBER.

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JUN 2002

PC
CBC 1998

REVISIONS

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

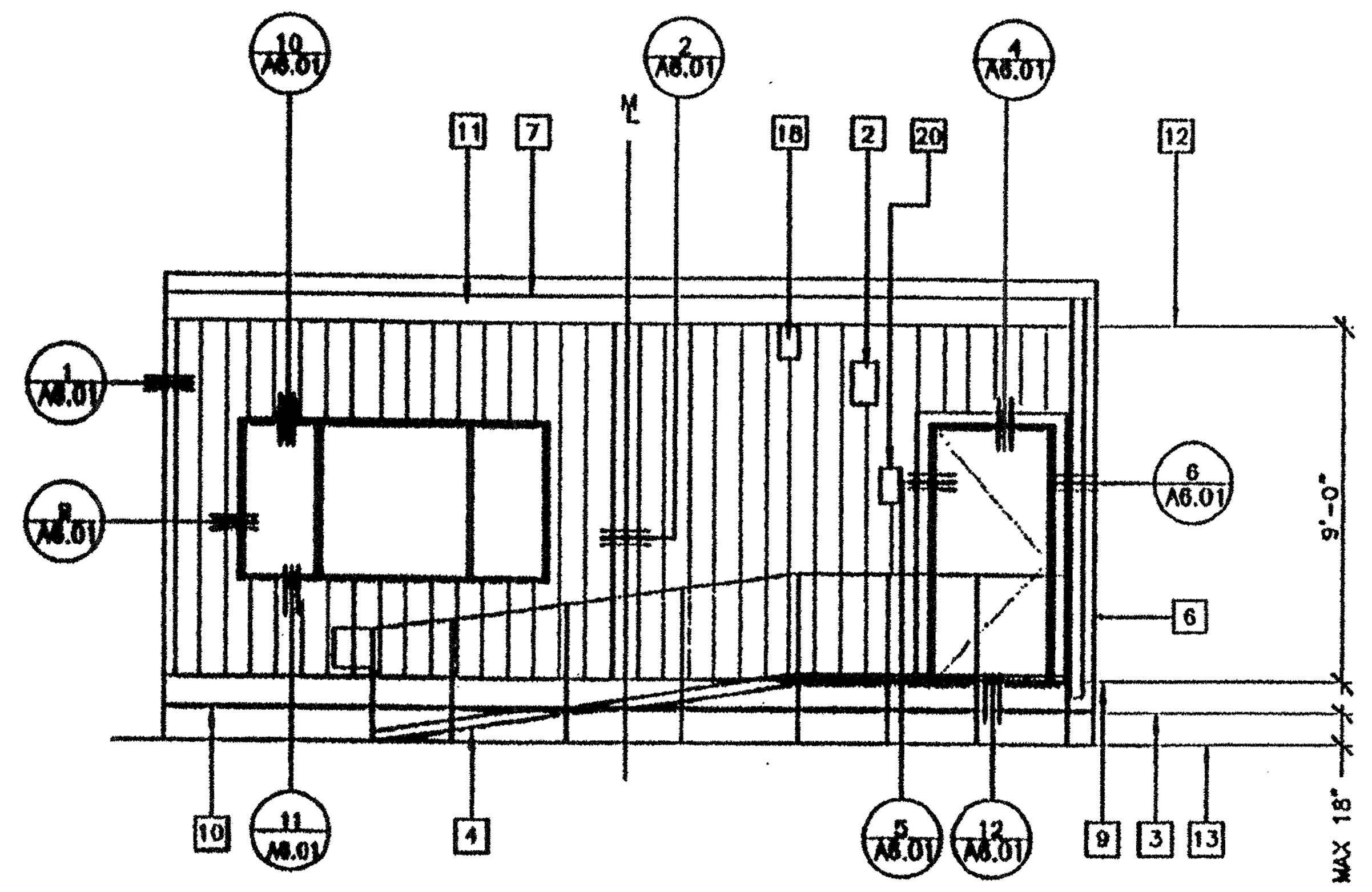
PROJECT NUMBER: 4151
WILLIAMS SCOTSMAN

FLOOR PLAN

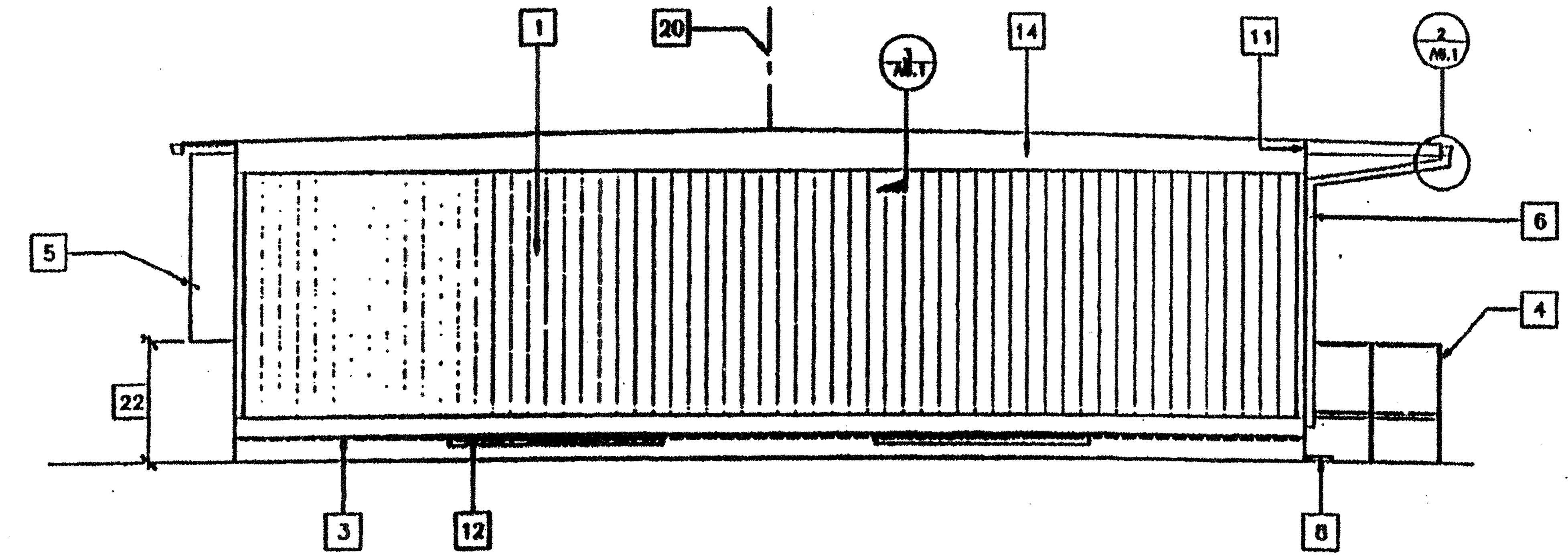
DRAWN BY: WQ
DATE: 3/6/02
CHECKED BY:
DATE:

A1.0

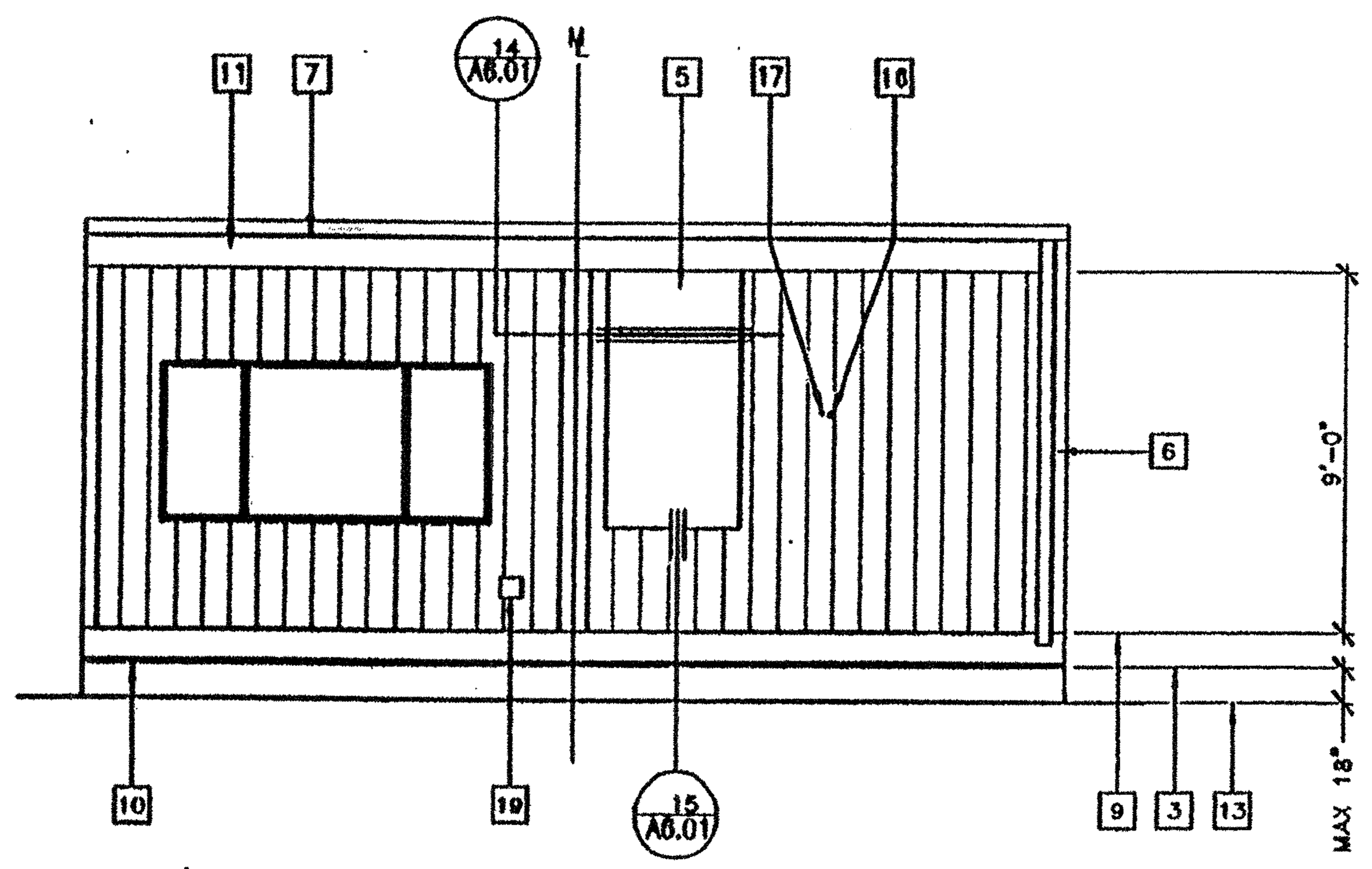
PROJECT NUMBER: 4097



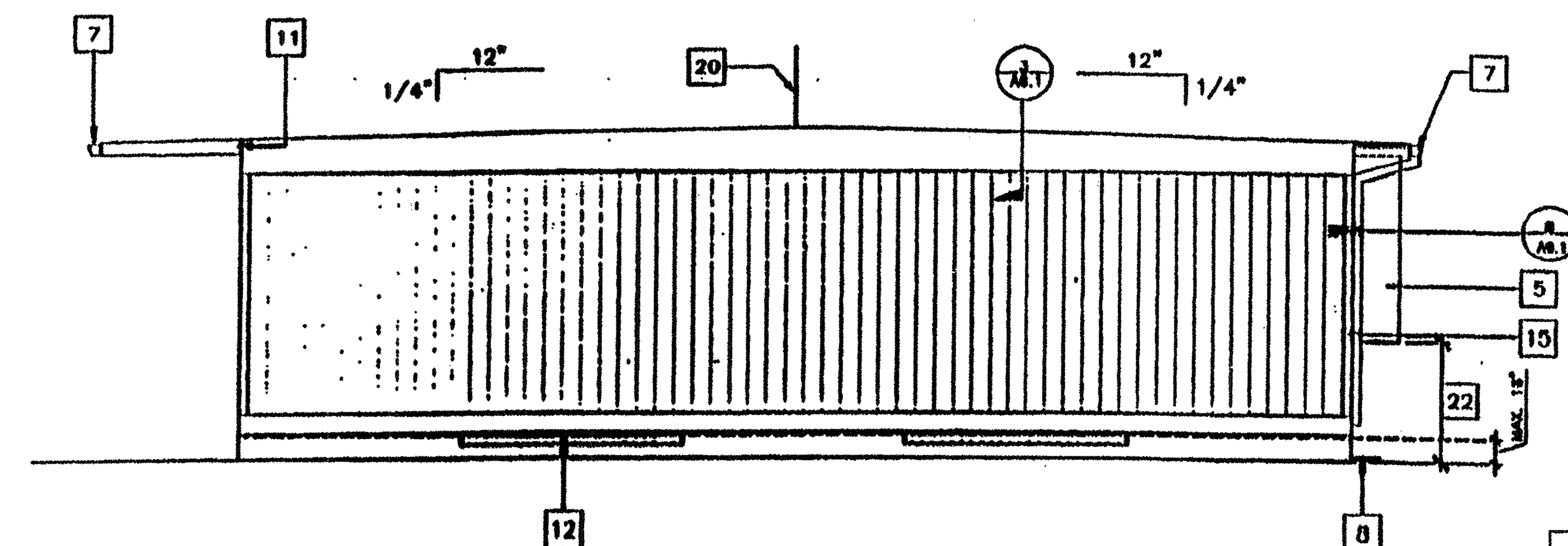
① FRONT ELEVATION
1/4" = 1'-0"



② LEFT ELEVATION
1/4" = 1'-0"



③ REAR ELEVATION
1/4" = 1'-0"



④ RIGHT ELEVATION
1/4" = 1'-0"

"A" = SHOWN
"B" = OPPOSITE

CBC 1998
PC

KEY NOTES

1. TYPICAL EXTERIOR SIDING (SEE A5.0)
2. EXTERIOR LIGHT FIXTURE (SEE SPEC'S)
3. TOP OF SKIRTING
4. RAMP AND LANDING SEE SHT. R-1
5. HVAC UNIT. SEE (M)
6. DOWNSPOUT (TYP.) FOR (2). FASTEN TO BLD'G. TYP 3 PLACES (SEE 8/A6.1)
7. CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOWN ON ROOF PLAN) SEE A2.0
8. SPLASH BLOCK (BY OTHERS)
9. FINISH FLOOR LINE
10. BOTTOM FLANGE OF FLOOR BEAM
11. ROOF HEADER
12. VENT. SEE FOUNDATION PLAN
13. FINISH GRADE
14. ROOF BEAM SEE (STR)
15. COLUMN SEE (STR)
16. ELECTRICAL STUD-OUT SEE (EL)
17. GROUND STUD-OUT SEE (EL)
18. J BOX FOR EXT. FA HORN SEE (EL)
19. NEMA 6" X 6" GUTTER BOX SEE (EL)
20. RIDGE
21. NOT USED
22. IF HVAC UNIT IS LOCATED IN ANY PATH OF TRAVEL OR CIRCULATION AREA AND HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" THEN PROTECTION MUST BE PROVIDED.

NOTES

1. SEE FOUNDATION PLAN FOR SIZE AND LOCATION OF UNDER FLOOR VENTS.

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AC FLS SS
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OFFICE OF REGULATION SERVICES
04 104310
DATE JUN 06 2002

LICENSED ARCHITECT
FRED VOLLERT HALLOCK
No. C-24629
12/31/03
RENEWAL DATE
STATE OF CALIFORNIA

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

PC-04
101419

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

PROJECT NUMBER: 4151
WILLIAMS SCOTSMAN

EXTERIOR ELEVATIONS

DRAWN BY: WQ
DATE: 3/8/02
CHECKED BY:
DATE:
MODTECH Index No.
A3.0

PC-04-101419
PROJECT NO. 4097

CLASS LEASING, LLC.

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

SPECIFICATIONS
RELOCATABLE CLASSROOMS

3.01 CARPENTRY:

1. Scope of Work: Contractor shall provide all labor, materials and services to install carpentry.

2. Workmanship:
   a) FRAMING: securely nailed, bridged and blocked to form rigid structure. Work cut, fitted and assembled level, plumb and true to line. Trim in as long lengths as possible with all standing trim in one piece. Trim sealed at all edges.

   b) NAILING: in accordance with the title 24 CCR-Table 2304.9.1. Nails shall be corrosion resistant box nails.

   c) Machine applied nailing shall have prior demonstration and approval by DSA Field Inspector and the Architect. The approval is subject to continuous satisfactory performance. Plywood shall have a minimum thickness of 3/8". If nail heads penetrate the outer ply more than would be normal for a hand hammer or if minimum allowable edge distances are not maintained, the performance will be deemed unsatisfactory.

   d) TRIM: sealed at all edges. Sealant painted to match trim or siding.

4.01 MATERIAL SPECIFICATIONS:

1. Structural framing shall be Hem Fir- Larch graded in accordance with the standard grading rules of the Western Wood Products Association or standard grading rules No. 16 of the West Coast Lumber Inspection Bureau, latest editions. Grades shall be as follows unless noted otherwise on the drawings. (Hem Fir South is not allowed.) Each piece shall be grade marked and no piece may fall below grades indicated. All framing except as noted Hem Fir No. 2

2. Plywood shall be as shown on these drawings with exterior glue in accordance with U.S. Product Standard PS 1-07. All panels shall be marked with an APA grade mark with an identification index as shown on drawings. Use 4'x8' panels-minimum, except at boundaries and at framing changes where minimum panel dimension shall be 24" at roofs and floors and 12" at walls.

3. Bolts for timber connections shall conform to ANSI/ASME Standard B18.2.1-2012 & 2012 edition of NDS (the National Design Specification for Wood Construction by the National Forest Products Association). Bolts shall be installed in accordance with the requirement of 2012 NDS.
   Bolt holes shall be 1/32 to 1/16 inch larger than bold diameter. Bolts shall be full body steel bolts with minimum yield strength of 45,000 PSI. Re-tighten bolts before closing in work.

4. Lag screws shall be steel and conform to ANSI/ASME Standard B18.2.1 and 2012 NDS. Holes for lag screw shanks shall be bored the same depth and diameter as the shank. The remaining depth of penetration of the screw shall be bored to 70% of the shank diameter. One quarter inch (1/4") diameter lag screws need not have pre-drilled holes if it can be shown that wood members are not damaged during installation. Provide full diameter body lag screws with bending yield strengths per Table 11J in NDS

5. Provide malleable iron washers or equivalent cut plate washers (not less than a standard cut washer) under nuts and bolt or lag screw heads which bear on wood.

6. Wood screws shall conform to ANSI/ASME Standard B18.6.1 and the requirements of the 2012 NDS. Galvanized or other corrosion resistant coating where exposed to weather or used in foundations.
   Screws shall be steel with cut threads and bending yield strengths per Table 11L in NDS.

7. Wood members shall be cut or notched only as shown on structural drawings.

8. When required nailing tends to split wood members, nail holes shall be pre-bored to 3/4 of the nail diameter.

9. Structural nailing shall be with BOX NAILS per all requirements of 2012 NDS. Nailing not specifically indicated shall comply with CCR Title 24, Part 2, Table 2304.9.1. All nails shall be galvanized or other corrosion resistant coating where exposed to weather, in foundations and as noted on plans, per the requirements of CCR Title 24, Part 2, with minimum bending yields per table 11N in NDS. (See nail equivalence below.)

10. Nail equivalence:
    (provide minimum nail lengths as required for specified penetration, TYPICAL: U.N.O.)

    6d equals .113" DIA. - provide 1.36" minimum point penetration
    8d equals .131" DIA. - provide "1.57" minimum point penetration

11. Pressure preservative treatment shall be per Section 2303.1.8, CCR Title 24, Part 2. Provide quality mark on all treated foundation members that comply with CBC 2303.1.8.1. All foundation members shall be marked as "For ground contact" or "For above ground use" as appropriate. Pressure treated material shall comply with AWPA Standard U1 as required by CBC 2303.1.8. Treat all cut ends of pressure treated members with an approved preservative. (Willard W/B Copper Green 2% or an approved equivalent). Where noted, members below the sub floor that are not a part of the foundation shall be pressure treated.

12. Only material in contact with ground needs to be pressure treated, all other foundation lumber can be DF or HF#2 or equal.

13. If machine nailing is utilized for this project, contractor shall comply with all requirements of CCR Title 24, Part 2. Machine nailing is subject to approval by the Structural Engineer or Architect and the Division of the State Architect.

14. Fasteners for pressure-preservative treated and fire-retardant treated wood shall comply with Section 2304.9 of CBC.

15. Nails and spikes used in wet or exterior locations shall comply with Section 2304.9.1.1 of CBC.

16. Shim material shall be plywood CD EXP 1 or equal (not pressure treated).

17. Used lumber in good condition is acceptable for use in foundation system.

18. Tie plates shall conform to A-1011 Grade 33.

5.01 SITE INSTALLATION REQUIREMENTS FOR DSA CLASSROOM BUILDINGS:

In the case of equipment located in the State of California, the **LESSEE** (School District) is responsible for the site being cleared (free of grass, trees, shrubs, etc) and graded to within 4 1/2" of level grade for each building. If the site exceeds the 4 1/2" level grade requirement additional costs may be charged to lessee.

Under no circumstances should the site be greater that 9" from level grade or have less than a **1000 PSF MINIMUM SOIL BEARING PRESSURE.**

Prior to delivery, the lessee shall mark the four corners of the building on the site, including door location. Should special handling be required to either place, install or relocate the classroom on the lessee's site due to site obstruction such as fencing, landscaping, other classrooms, etc., additional costs will be charge to the lessee.

6.01 TEST AND INSTALLATION:

1. Provide Electrical Grounding Test per DSA IR E-1.

2. Field Welding for welded tie plate option. (If used, requires Test and Inspection.)

The example form DSA 103's shown on this sheet are for illustration purposes only. A form DSA 103 is to be completed for each application that this PC is being incorporated into and all example form DSA-103's are to be crossed out on this drawing.

3. No other tests and inspections are required.

1.01 GENERAL REQUIREMENTS:

1. The requirements of the general conditions of the agreement and these General Requirements apply to the several trade sections with the same force as though fully repeated in each section.

2. Name brands are indicated to establish a standard of quality. Items of equal or better quality may be substituted for the listed brand named products.

1.02 SCOPE OF WORK:

1. The work consists of installing on-site, modular Relocatable buildings as defined herein, shown and detailed on the drawings.

2. All requirements of CCR (California Code of Regulation) Title 19 and 24 relating to inspections and verified reports shall be complied with and shall include:

   a) General responsible charge of Field Administration by the Architect of Record.

   b) Inspection during the course of construction by an Inspector approved by DSA (Division of the State Architect) and the District Architect. The Inspector shall be responsible for and approved to inspect the general construction, welding, mechanical and electrical work. Cost of these inspections shall be borne by the School District.

   c) On site inspection of the building installation, electrical and utility of the building installation or connection by an Inspector approved by the DSA and retained by the School District.

   d) Other special tests or inspections as may be required by DSA.
   Cost of these inspections/tests shall be borne by the School District.

1.03 WORK NOT INCLUDED:

1. All on-site or off-site utilities and the connection of them to the building unless indicated on the drawings.

2. All leveling, grading or other site preparation (except concrete or wood leveling strips, where Required) unless otherwise indicated on the drawings.

3. Fire alarm system, program bell, clock, public address system, intercom system, TV system, computer data or any other low voltage system, unless otherwise indicated on the drawings or the lease agreement.

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

2.01 SITE ASSEMBLY:

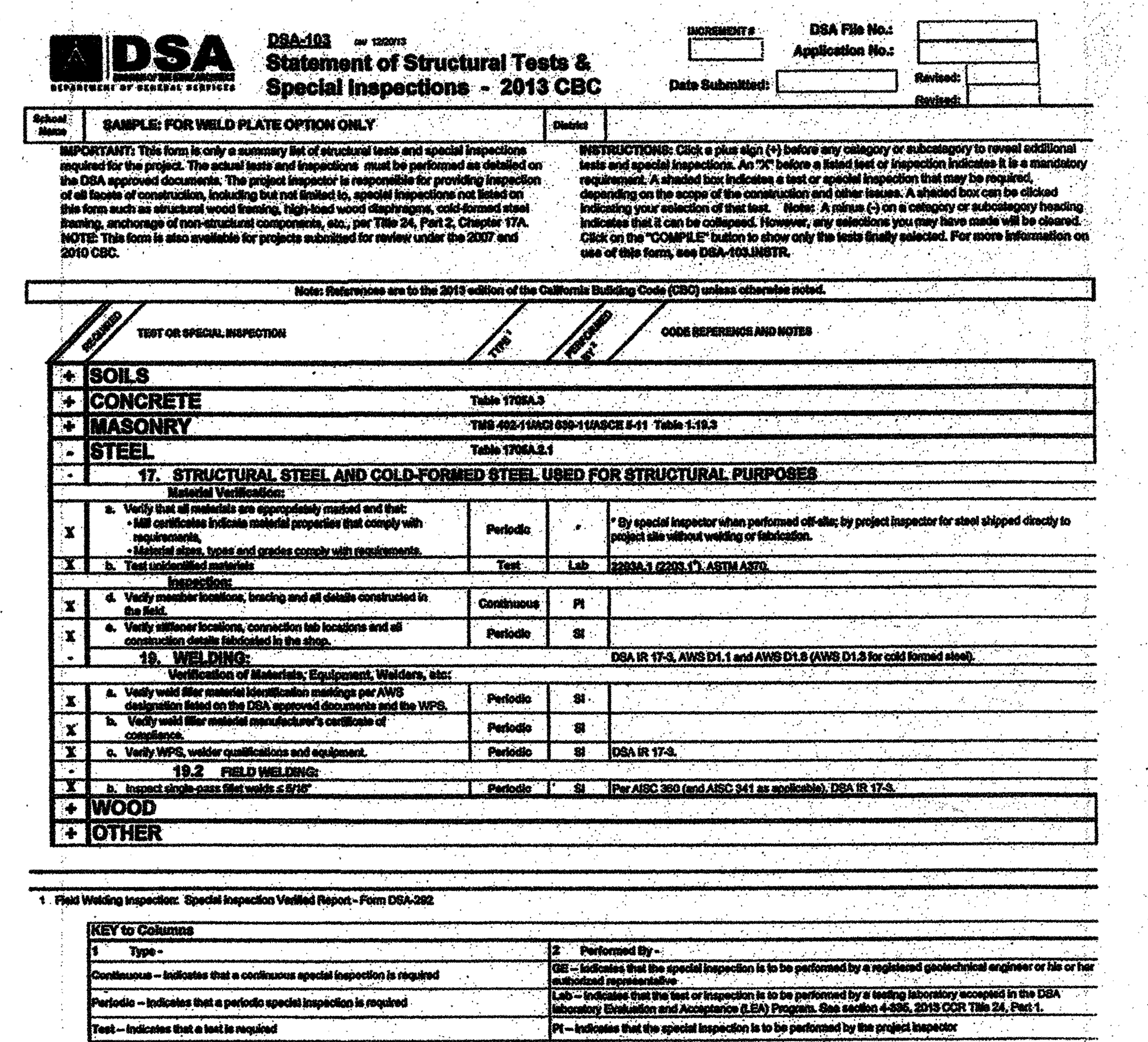
1. Scope of Work: Contractor shall provide all labor, materials and services to prepare the building elements, transport them from the plant to the site and to complete the assembly at the site.

   The condition of the site, such as drainage and soil bearing capacity, shall be the responsibility of the School District and the District Architect.

2. Assembly of Elements:
   a) In a location on the site as determined by the District Architect. The contractor shall place the foundation as detailed on the drawings.

   b) The elements shall be brought to the site on wheel assembly and transferred to the prepared site. Great care shall be taken to avoid damage to the elements by racking or bumping.

   c) Connection of the elements together shall be done according to instructions on the drawings. Flashing, trim and other loose items shall be installed per plans and details of the original building manufacturer's drawings.


DSA-103 Statement of Structural Tests & Special Inspections - 2013 CBC
INCREMENT # | DSA File No.: | Application No.: | Date Submitted: | Revised:
SAMPLE: FOR WELD PLATE OPTION ONLY
SOILS
CONCRETE
MASONRY
STEEL
17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES
19. WELDING:
19.2 FIELD WELDING:
WOOD
OTHER
KEY to Columns

APPLICABLE BUILDING CODES
ALL NEW WORK SHALL COMPLY AND CONFORM TO THE REQUIREMENTS OF THE 2013 CBC

2013 CALIFORNIA CODE OF REGULATIONS (CCR) As of January 01, 2014*
-2013 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE PART 1, TITLE 2
(2012 INTERNATIONAL BUILDING CODE VOLUMES 1-2 WITH 2013 CALIFORNIA AMENDMENTS)

-2013 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24, CCR
(2011 NATIONAL ELECTRICAL CODE WITH 2013 CALIFORNIA AMENDMENTS)

-2013 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24, CCR
(2012 UNIFORM MECHANICAL CODE WITH 2013 CALIFORNIA AMENDMENTS)

-2013 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24, CCR
(2012 UNIFORM PLUMBING CODE WITH 2013 CALIFORNIA AMENDMENTS)

-2013 CALIFORNIA ENERGY CODE (CEC) PART 6, TITLE 24, CCR*

-2013 CALIFORNIA FIRE CODE PART 9, TITLE 24, CCR
(2012 INTERNATIONAL FIRE CODE WITH 2013 CALIFORNIA AMENDMENTS)

-2013 CALIFORNIA REFERENCED STANDARDS CODE PART 12, TITLE 24, CCR

TITLE 19 CCR PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS.

DESIGN DATA:

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

SEISMIC DESIGN DATA: MOMENT FRAME PC'S
Basic Seismic-Force-Resisting System = STEEL MOMENT FRAME
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE
Seismic Design Category = E (per CBC Section 1613A.5.6)
Design Base Shear : 24x40 BUILDING = 9460 # (Roof, Floor, Walls & Partitions)
36x40 BUILDING = 14190 # (Roof, Floor, Walls & Partitions)
48x40 BUILDING = 18920 # (Roof, Floor, Walls & Partitions)

I: = 1.0 C_{S2} = 0.411 R: = 3.5 SITE CLASS = D
S_S = 2.7 mapped value / 0.8 S_S = 2.16 (For Design)
S_{DS} = 1.44 (Site Specific Documentation Justifying SDS Shall Be Submitted To DSA Prior To Approval)
S_1 = 1.3 per CBC Figure 1613A.5(2) S_{D1} = 1.3
RISK CATEGORY = II

SEISMIC DESIGN DATA: SHEAR WALL PC'S
Basic Seismic-Force-Resisting System = WOOD PANEL SHEAR WALLS
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE
Seismic Design Category = E (per CBC Section 1613A.5.6)
Design Base Shear: 24x40 BUILDING = 9460 # (Roof, Floor, Walls & Partitions)
36x40 BUILDING = 14190 # (Roof, Floor, Walls & Partitions)
48x40 BUILDING = 18920 # (Roof, Floor, Walls & Partitions)

I: = 1.0 C_{S2} = 0.222 R: = 6.5 SITE CLASS = D ρ = 1.3
S_S = 2.7 mapped value / 0.8 S_S = 2.16 (For Design)
S_{DS} = 1.44 (Site Specific Documentation Justifying SDS Shall Be Submitted To DSA Prior To Approval)
S_1 = 1.3 per CBC Figure 1613A.5(2) S_{D1} = 1.3
RISK CATEGORY = II

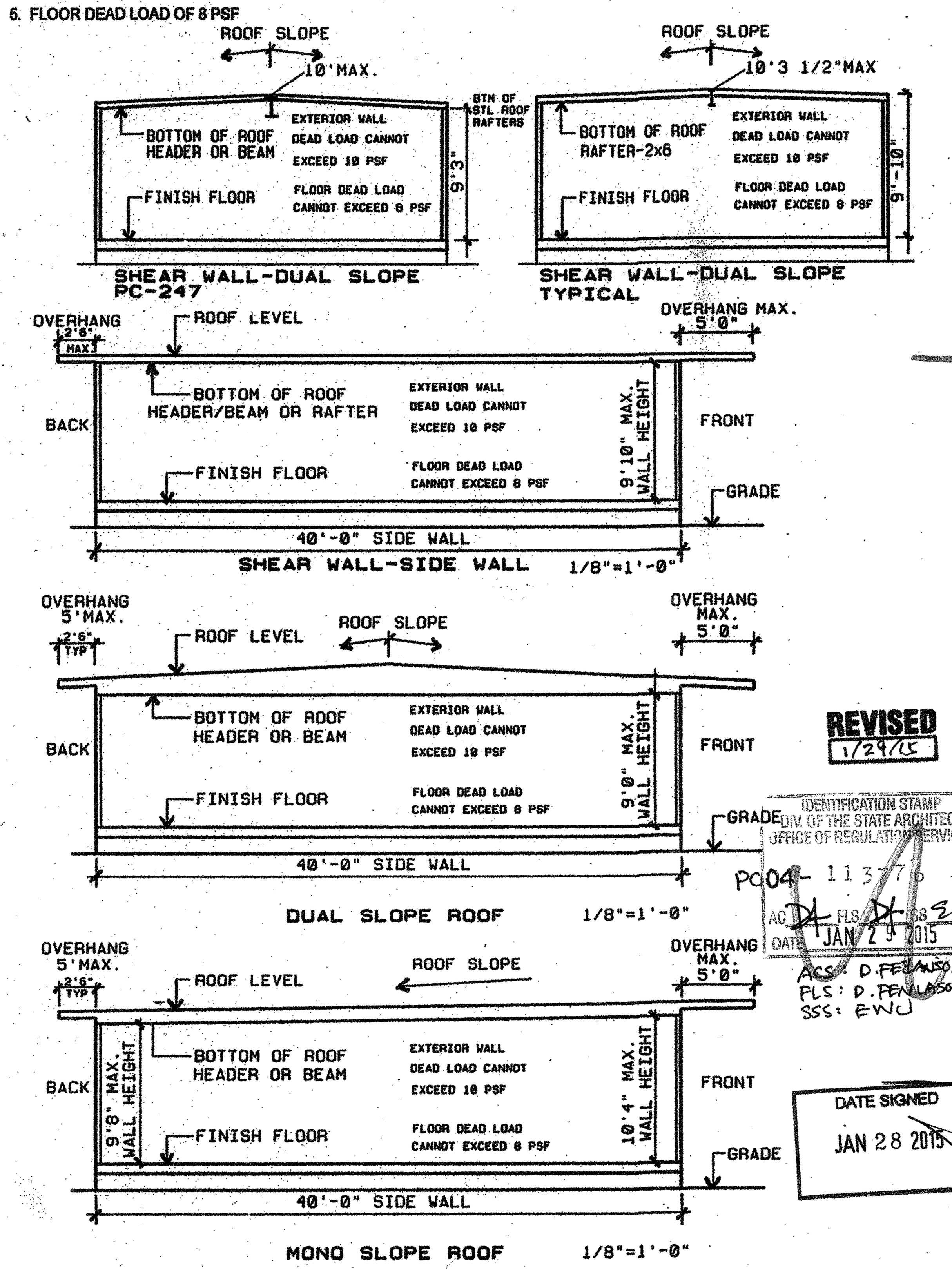
FLOOD DESIGN DATA: Project is not located in a flood zone.

LIMITATIONS FOUNDATION PC ONLY:

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

THE DESIGN CALCULATIONS ARE BASED ON THE FOLLOWING:

1. DSA APPROVED STOCKPILE BUILDINGS
2. ROOF OVERHANGS OF 5'-0" MAXIMUM
3. SINGLE SLOPE OR DUAL SLOPE BUILDINGS
   WALL HEIGHT: 9'-0" MAXIMUM ON DUAL SLOPE BUILDING.
   WALL HEIGHT: 10'-4" MAXIMUM ON SINGLE SLOPE BUILDING.
   (HEIGHT DETERMINED FROM FINISH FLOOR IN BUILDING TO BOTTOM OF STEEL ROOF STRUCTURE: BEAMS OR ROOF HEADERS)
   WALL HEIGHT: 9'-10" MAXIMUM ON SHEAR WALL-DUAL SLOPE BUILDING
4. WALL DEAD LOAD OF 10 PSF (NO STUCCO)
5. FLOOR DEAD LOAD OF 8 PSF



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

SCOPE OF WORK: DSA FOUNDATION PLANS FOR EXISTING STOCKPILE BUILDINGS FOR CLASS LEASING, LLC.

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

CLASS LEASING-APPROVED STOCKPILE A NUMBERS FOR THIS FOUNDATION PC

BUILDING DATA - 24 x 40 SHEAR WALL

STKP #	DSA #	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG
STKP 1029	50643	SHR	10-21-1988	24 x 40	50+20#	MODTECH
STKP 02	52512	48138-SHR	11-06-1989	24 x 40	50#	MODTECH
STKP 01	52513	46750-SHR	11-06-1989	24 x 40	50#	MODTECH
STKP 03	52514	SHR	11-06-1989	24 x 40	50#	MODTECH
STKP 05	52515	45400-SHR	12-07-1989	24 x 40	50#	AURORA
STKP 04	52516	SIM PC 29 SHR	12-07-1989	24 x 40	50#	MODTECH
STKP 22	55113	PC 80	10-05-1990	24 x 40	50#	MODTECH
STKP 24	55580	PC 95	06-14-1994	24 x 40	50#	MODTECH
STKP 13	61957	PC 247	06-29-1994	24 x 40	50#	MODTECH
STKP 77	67970	PC 247	11-10-1997	24 x 40	50#	MODTECH

BUILDING DATA - 24 x 40 RIGID FRAME

STKP #	DSA #	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG
STKP 11	52482	MRF	06-13-1991	24 x 40	50+20#	MODTECH
STKP 20	55031	PC 79	09-18-1990	24 x 40	50#	MODTECH
STKP 21	55032	PC 79	09-19-1990	24 x 40	50#	MODTECH
STKP 23	55347	PC 79	11-26-1990	24 x 40	50#	MODTECH
STKP SW	57194	PC 79	11-08-1991	24 x 40	50+20#	MODTECH
STKP 14	57679	PC 96	03-19-1992	24 x 40	50#	MODTECH
STKP 18	63288	PC 243	05-04-1995	24 x 40	50#	MODTECH
STKP 19	63321	PC 242	05-11-1995	24 x 40	50#	MODTECH
STKP 27	65493	PC 266	07-31-1996	24 x 40	50#	MODTECH
STKP 31	66318	PC 266	11-12-1996	24 x 40	50+20#	MODTECH
STKP 33	67333	PC 266	03-11-1997	24 x 40	50#	MODTECH
STKP 35	04-100117	PC 266	01-15-1998	24 x 40	50+20#	MODTECH
STKP 39	04-100595	PC 275	08-10-1998	24 x 40	50+20#	MODTECH
STKP 37	04-100596	PC 266	08-10-1998	24 x 40	50+20#	MODTECH
STKP 40	04-100690	PC 282	09-03-1998	24 x 40	50+20#	MODTECH
STKP 42	04-100929	PC 266	01-07-1999	24 x 40	50+20#	MODTECH
STKP 43	04-101555	PC 275	09-09-1999	24 x 40	50#	MODTECH
STKP 44	04-101602	PC 266	09-30-1999	24 x 40	50+20#	MODTECH
STKP 48	04-101768	PC 101268	12-16-1999	24 x 40	50#	MODTECH
STKP 51	04-102015	PC 101268	03-16-2000	24 x 40	50# /**50+20#	MODTECH
STKP 53	04-102365	PC 101268	07-06-2000	24 x 40	50+20#	MODTECH
STKP 56	04-102824	PC 101268	12-21-2000	24 x 40	50#	MODTECH
STKP 62	04-104169	PC 101268	04-18-2002	24 x 40	50+20#	MODTECH
STKP 67	04-104812	PC 101268	12-05-2002	24 x 40	50+20#	MODTECH
STKP 70	04-105299	PC 104801	05-22-2003	24 x 40	50+20#	MODTECH
STKP 75	04-110431	PC 04-105337	06-05-2003	24 x 40	50#	MODTECH
STKP 76	04-105455	PC 04-104796	07-17-2003	24 x 40	50#	MODTECH
STKP 78	04-109208	PC 106884	12-03-2007	24 x 40	50#	CURRENT/SMI
STKP 107	65965	PC 266	05-24-1996	24 x 40	50#	MODTECH
STKP 109	66341	PC 275	05-20-1999	24 x 40	50#	MODTECH
STKP 110	04-100118	PC 04-100073	01-15-1998	24 x 40	50#	MSI
STKP 111	04-101984	PC 04-101419	03-09-2000	24 x 40	50#	MODTECH
STKP 112	04-104082	PC 04-101419	03-21-2002	24 x 40	50#	MODTECH
STKP 113	04-104310	PC 04-101419	06-02-2002	24 x 40	50#	MODTECH
STKP 114	04-105455	PC 04-104796	07-17-2003	24 x 40	50#	MODTECH
STKP 130	04-101527	PC 270	09-12-1999	24 x 40	50# /50+20#	MODTECH
STKP 131	04-104946	PC 04-101419	01-23-2003	24 x 40	50# /50+20#	MODTECH

BUILDING DATA - 36 x 40 RIGID FRAME

STKP #	DSA #	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG
STKP SW	57194	PC 79	11-08-1991	36 x 40	70#	MODTECH
STKP 32	66319	PC 266	11-12-1996	36 x 40	50+20#	MODTECH
STKP 34	67332	PC 266	03-11-1997	36 x 40	50+20#	MODTECH
STKP 45	04-101618	PC 101268	10-07-1999	36 x 40	50+20#	MODTECH
STKP 51	04-113121	PC 04-102015	[illegible]-2013	36 x 40	50+20#	MODTECH
STKP 57	04-103001	PC 101268	03-01-2001	36 x 40	50#	MODTECH
STKP 65	04-104441	PC 101268	07-11-2002	36 x 40	50+20#	MODTECH
STKP 71	04-106-419	PC 104801	07-29-2004	36 x 40	50+20#	MODTECH
STKP 73	04-108585	PC 101268	03-01-2007	36 x 40	100#	MODTECH
STKP 85	04-111101	PC 79	06-03-2010	36 x 40	50+20#	MODTECH
STKP 104	04-113588	A-58118	05-01-2014	36 x 40	50+20#	MODTECH

BUILDING DATA - 48 x 40 RIGID FRAME

STKP #	DSA #	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG
STKP SW	57194	PC 79	11-08-1991	48 x 40	100#	MODTECH
STKP SW	57194	PC 79	11-08-1991	48 x 40	70#	MODTECH
STKP 17	63289	PC 243	05-04-1995	48 x 40	50+20#	MODTECH
STKP 41	04-100797	PC 268	10-22-1998	48 x 40	50+20#	MODTECH
STKP 46	04-101617	PC 101268	10-07-1999	48 x 40	50+20#	MODTECH
STKP 63	04-104170	PC 101268	04-18-2002	48 x 40	50+20#	MODTECH
STKP 96	04-113418	PC 79/57194	01-30-2014	48 x 40	50+20#	MODTECH
STKP 105	04-113544	PC 04-101268	04-10-2014	48 x 40	50+20#	MODTECH

REVISED 1/29/15

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-113776
DATE: OCT 0 8 2014

DATE SIGNED JAN 28 2015

LICENSE EXPIRES 6-30-2016

STOCKPILE CLASSROOM RELOCATION FOUNDATION PLAN & DETAILS

REVISIONS	BY
1 JAN 2015	CLS
ADD STKP 130 & 131 & FOUNDATION EXPAND NOTE C-SHEET C1.0	

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

CLASS LEASING, LLC. PC
FOUNDATION PLANS AND DETAILS
STOCKPILE CLASSROOMS RELOCATION

DATE	09-29-2014
SCALE	
DRAWN	LAM-CLLS
JOB	
SHEET	F1.0

3"x24" END WALL VENTS
AS REQUIRED FOR ADJACENT
BUILDING APPLICATIONS
MIN.18" FROM MODLINES
MIN.18" FROM BLDG. CORNER
MIN.12" BLOCKING BETWEEN VENTS
OPTIONAL 4" SEPARATION

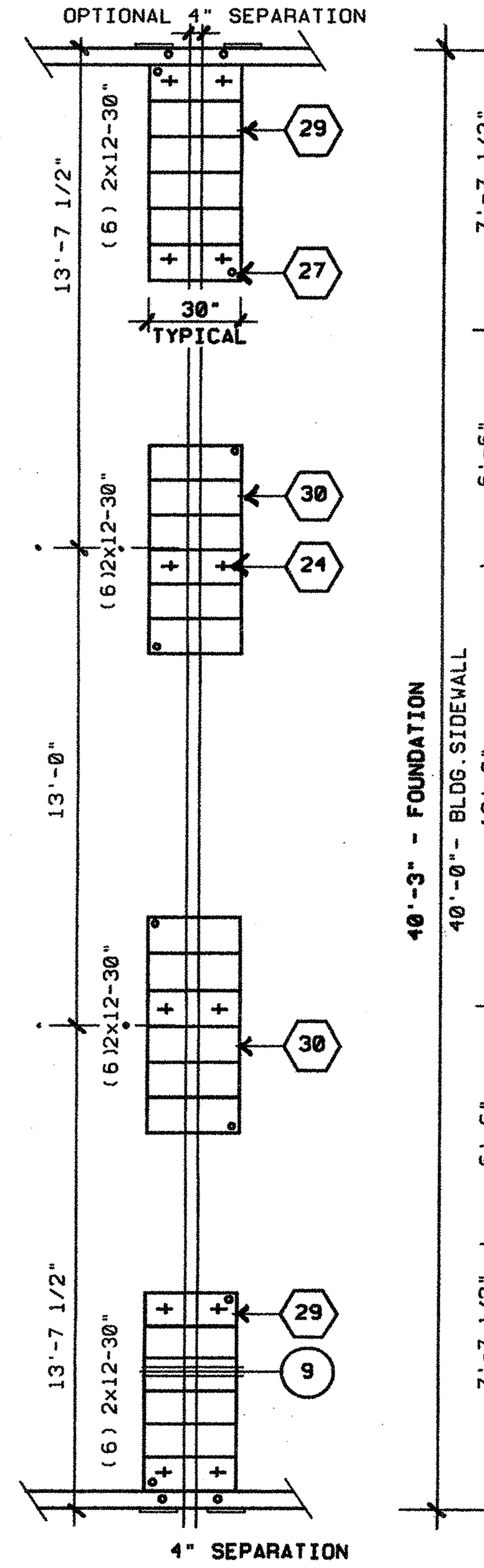
TIE PLATES:

	END WALLS	SIDE	TOTAL
120 MPH	6 EA.	6 EA.	(24)

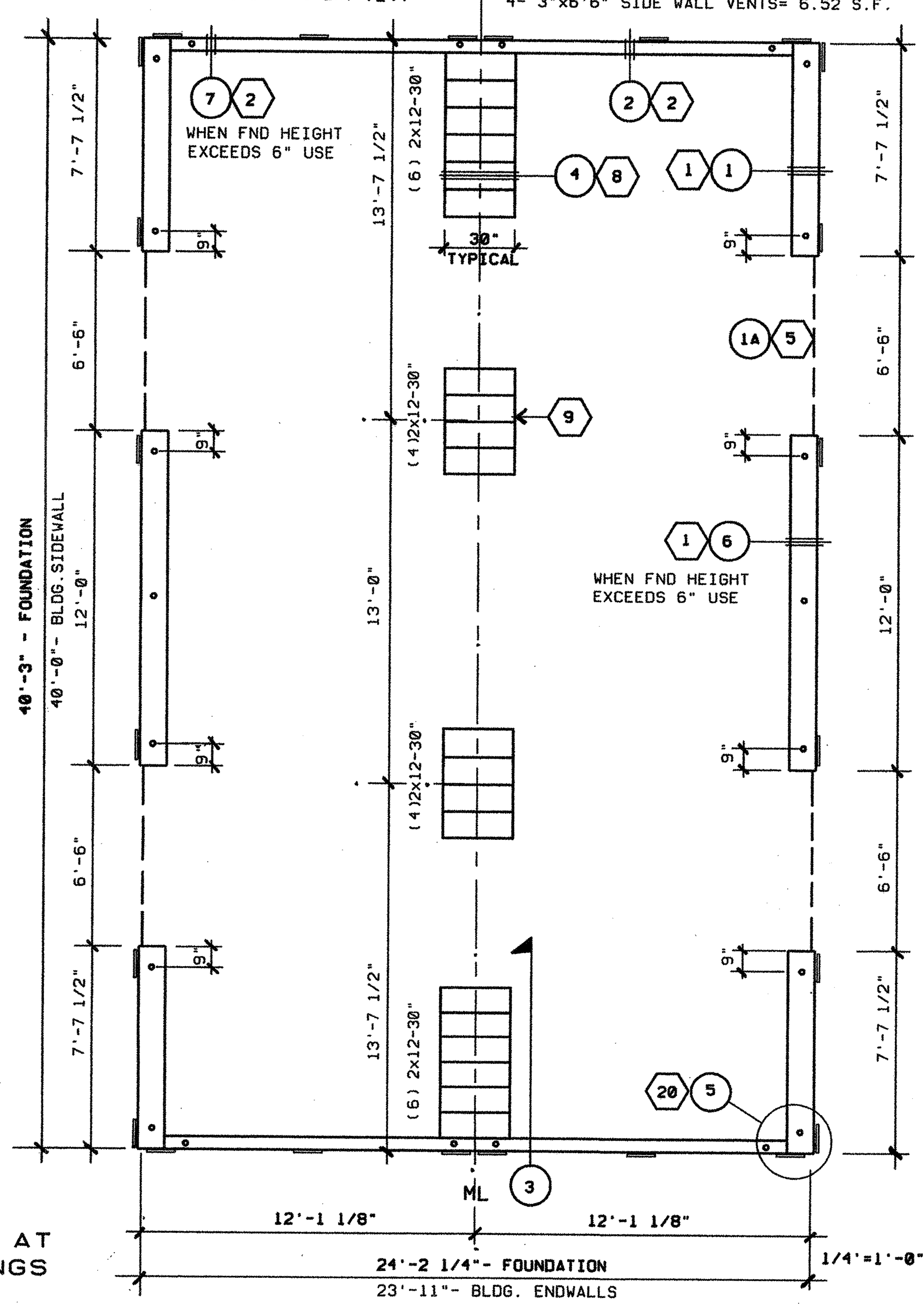
TYPICAL VENT: 1/4" CORROSION RESISTANT MESH. PREFORMED L- SIZE REQUIRED WITH 3" RETURN.

BUILDING VENTILATION
AREA: 960 S.F./150= 6.4 S.F. ROD
3"x6'6" SIDE VENT = 1.63 S.F.

PROVIDE:
4- 3"x6'6" SIDE WALL VENTS= 6.52 S.F.



FOUNDATION PADS AT ADJACENT BUILDINGS
1/4"=1'-0"

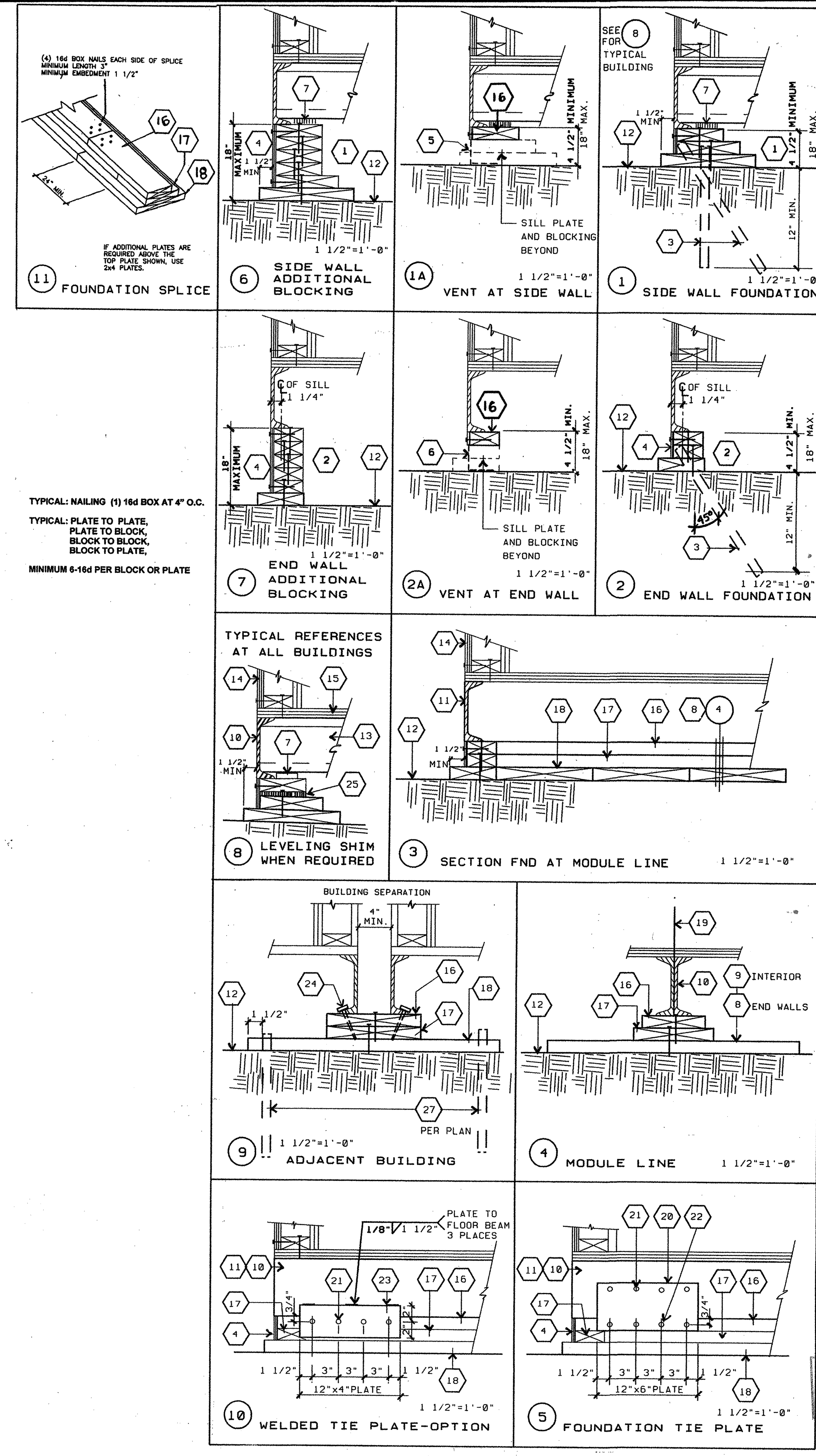


TYPICAL 24x40 FOUNDATION PLAN 50-PSF

TYPICAL: NAILING (1) 16d BOX AT 4" O.C.

TYPICAL: PLATE TO PLATE,
PLATE TO BLOCK,
BLOCK TO BLOCK,
BLOCK TO PLATE,

MINIMUM 6-16d PER BLOCK OR PLATE



KEY NOTES 24x40- 50 PSF FLOOR LOAD

FOUNDATION AT SIDE WALL

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

FOUNDATION AT END WALL

2 **TOP PLATE:** 2x4 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x4 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: 2x6 (PT) WITH SILL RESTRAINT PER GENERAL NOTE #A.

3 SILL RESTRAINT- PIPE TO GRADE (TYP) SEE GENERAL NOTE #A

4 SKIRTING: 3/8" PLYWOOD, ATTACH WITH 10d NAILS, EDGE NAILING 4" O.C. AT END WALLS AND 6" O.C. AT SIDE WALLS, FIELD NAILING 12" OC

5 SIDEWALL VENT: 3" HIGH BY 6'-6" LONG. INSTALL UNDER SKIRTING. SKIRTING ATTACH WITH 10d NAILS, EDGE NAILING 6" O.C.,

6 ENDWALL VENT: 3" HIGH BY 2'-0" LONG. INSTALL UNDER SKIRTING. SKIRTING ATTACH WITH 10d NAILS, EDGE NAILING 4" O.C.

7 SHIM: 5/8" X 2 1/2" WHEN REQUIRED

FOUNDATION AT MOD LINE / END WALL

8 **TOP PLATE**: 2x8 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x10 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (6) 2x12x30" (PT)

FOUNDATION AT MOD LINE / INTERIOR WALL

9 **TOP PLATE**: 2x8 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x10 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (4) 2x12x30" (PT)

10 FLOOR BEAM: C7x 9.8 TYPICAL

11 FLOOR HEADER: C7x 9.8 TYPICAL

12 FINISH GRADE

13 FLOOR JOIST

14 EXTERIOR FINISH

15 PLYWOOD SUB-FLOOR

16 TOP PLATE: CONTINUOUS

17 BLOCKING

18 SILL PLATE

19 MODLINE

20 TIE PLATE: 12" x 6" x 10 GA

21 PLATE ANCHOR: 4 -1/4" ϕ S.M.S. (1 1/2" MIN. EMBEDMENT)

22 PLATE ANCHOR: 4 -1/4" x 2" LONG LAG SCREWS (1 1/2" MIN. EMBEDMENT)

23 TIE PLATE: 12" x 4" x 10 GA

24 BUILDING ANCHORAGE: 6- 5/8" x 4" LAG SCREWS AT EACH BUILDING (FOR LOCATION SEE PLAN AT ADJACENT BUILDINGS)

25 LOCATION OF SHIM PLATES WHERE REQUIRED FOR LEVELING USE 1/4", 1/2" OR 3/4" PLYWOOD AT SAME WIDTH AS PLATE. NAIL SHIM TO PLATE WITH (6) 10d BOX.

26 2" CUT OUT OF SILL PLATE FOR DRAINAGE. FIELD TO LOCATE AT LOWEST CORNER OF FOUNDATION.

27 1" PIPE EACH END OF PAD AT ADJACENT BUILDING LINE.

28 THIS VENT TO BE LOCATED UNDER LANDING. PROVIDE EQUAL AREA SCREENED VENTILATION IN LANDING SKIRT.

FOUNDATION AT BUILDING SEPARATION / END WALL

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

FOUNDATION AT BUILDING SEPARATION / INTERIOR WALL

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

GENERAL NOTES

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

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

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

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

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

D. **FOUNDATION DESIGNED FOR 1000 PSF SOIL BEARING PRESSURE**

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

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

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

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

DATE SIGNED
SEP 30 2014

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 3602 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2016

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-113776
AC FLS
DATE OCT 0 8 2014

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

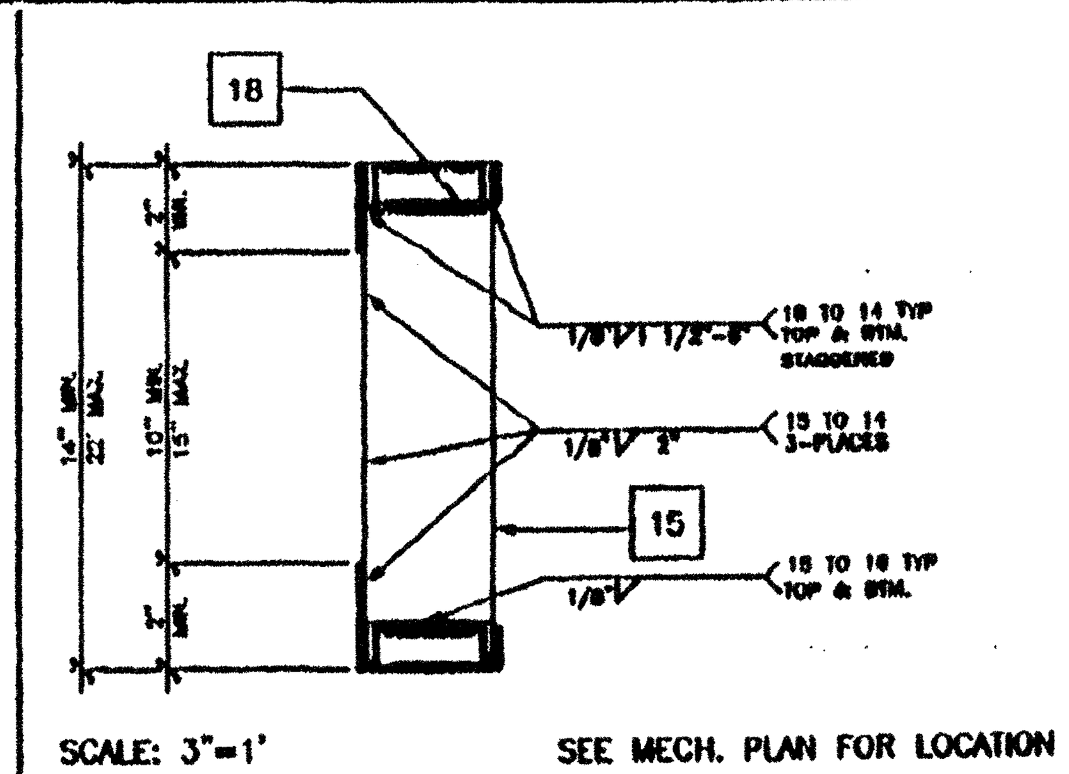
REVISIONS	BY

CLASS LEASING LLC

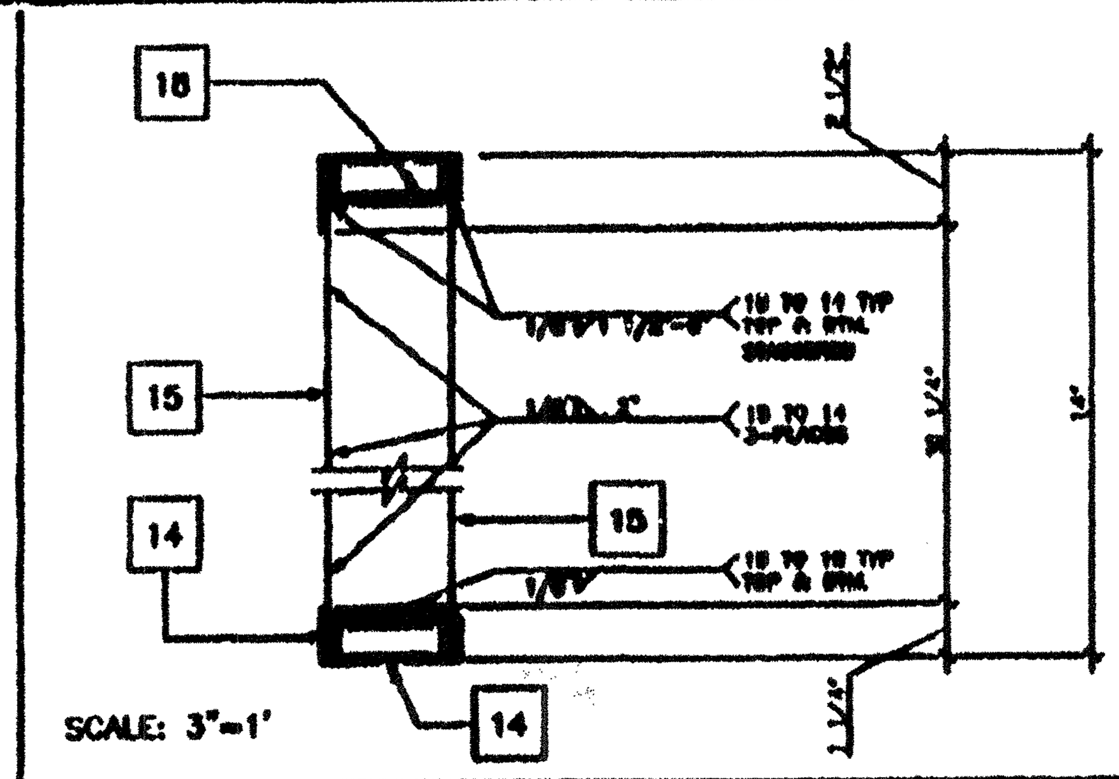
Class Leasing, LLC
1221 Harley Knox Blvd. Perris, CA 92571-7408
VOICE (951)943-1908 FAX (951)943-5768

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

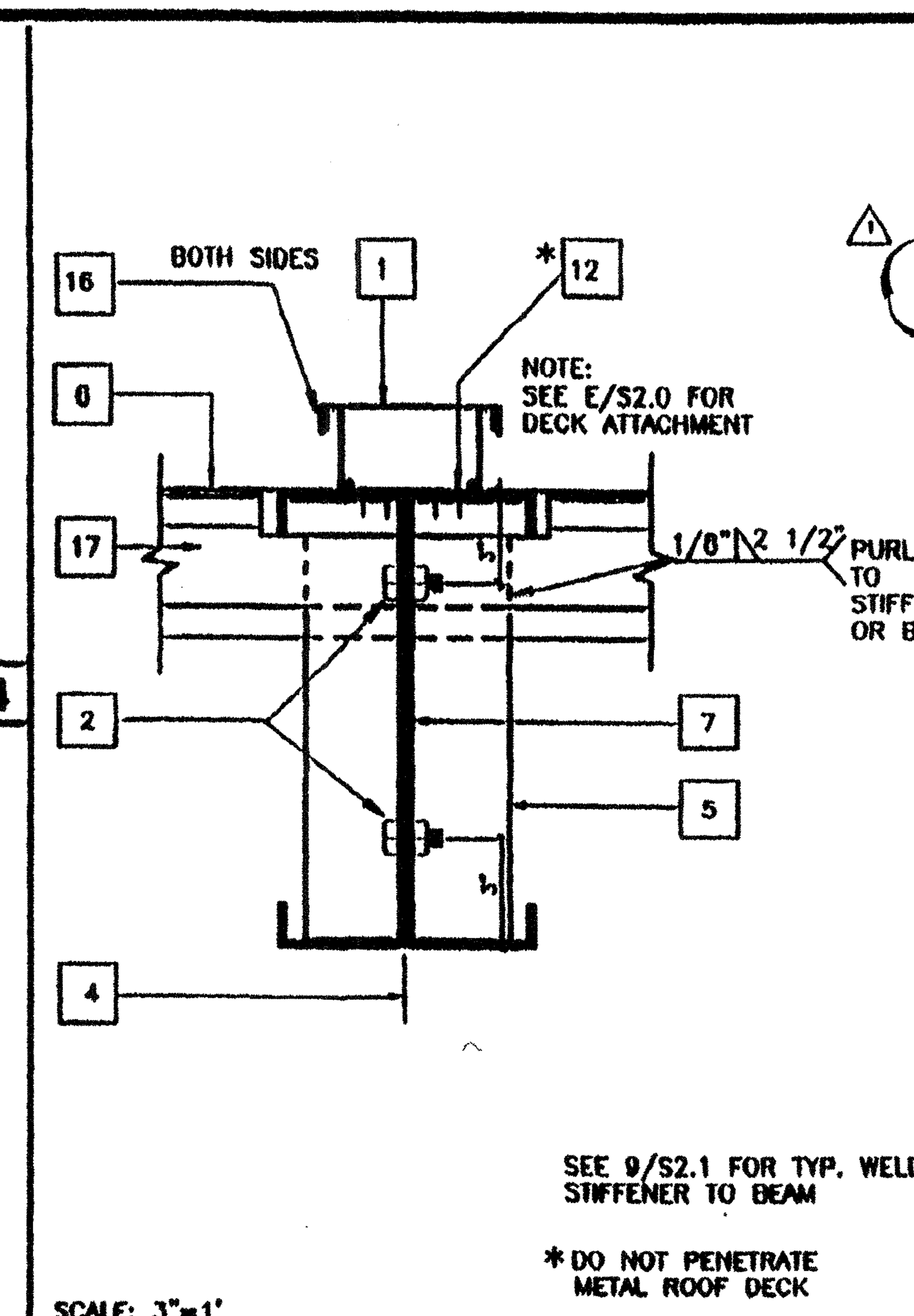
DATE	09-29-2014
SCALE	
DRAWN	LAM-CLLS
JOB	24x40 50 PSF
SHEET	F2.0



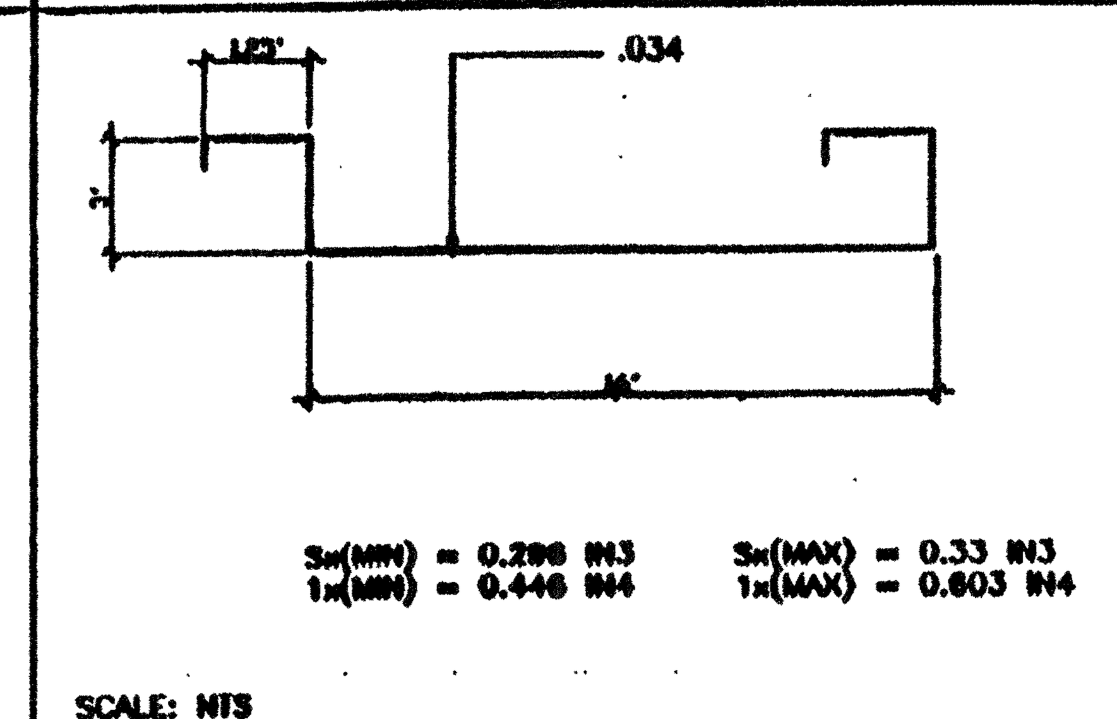
MECH. DUCT OPENING IN ROOF BM. 8



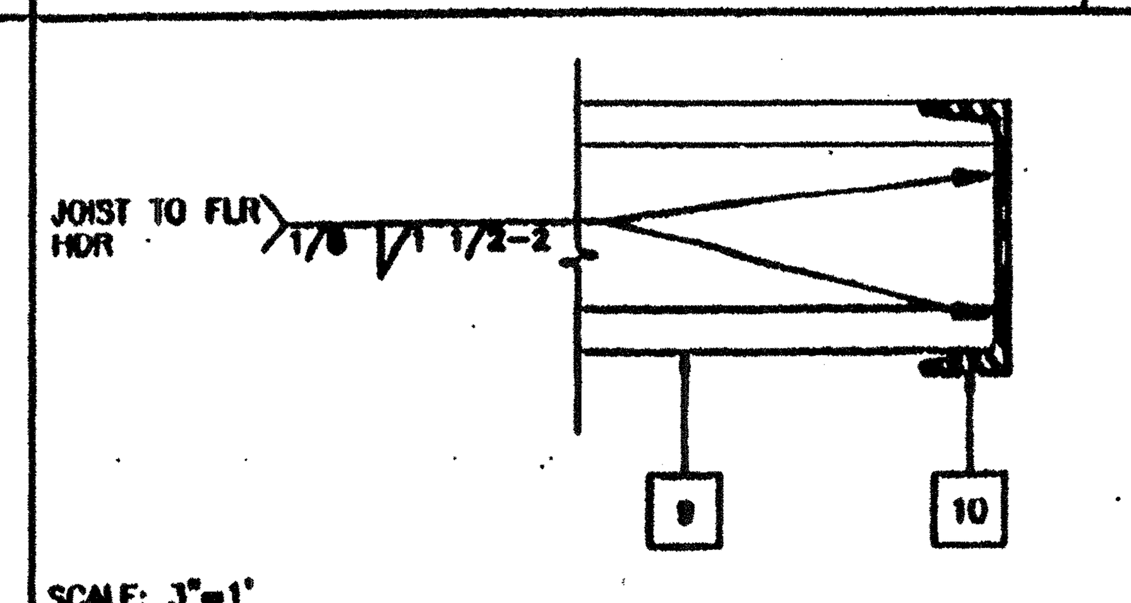
MECH. DUCT OPENING IN HEADER 4



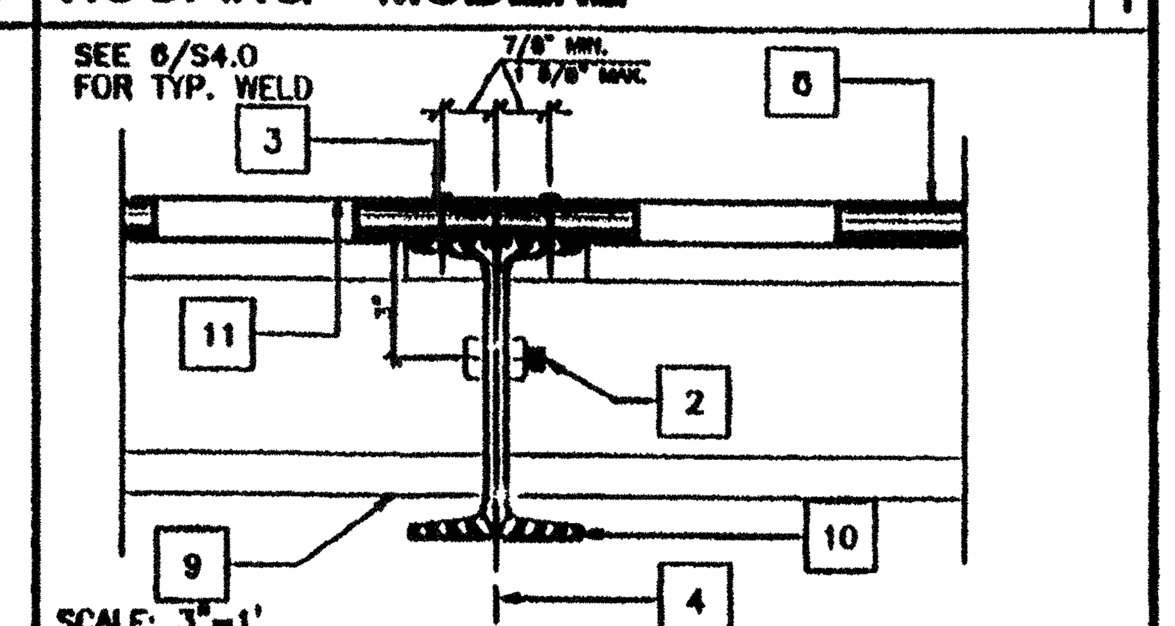
ROOFING @ MODLINE 1



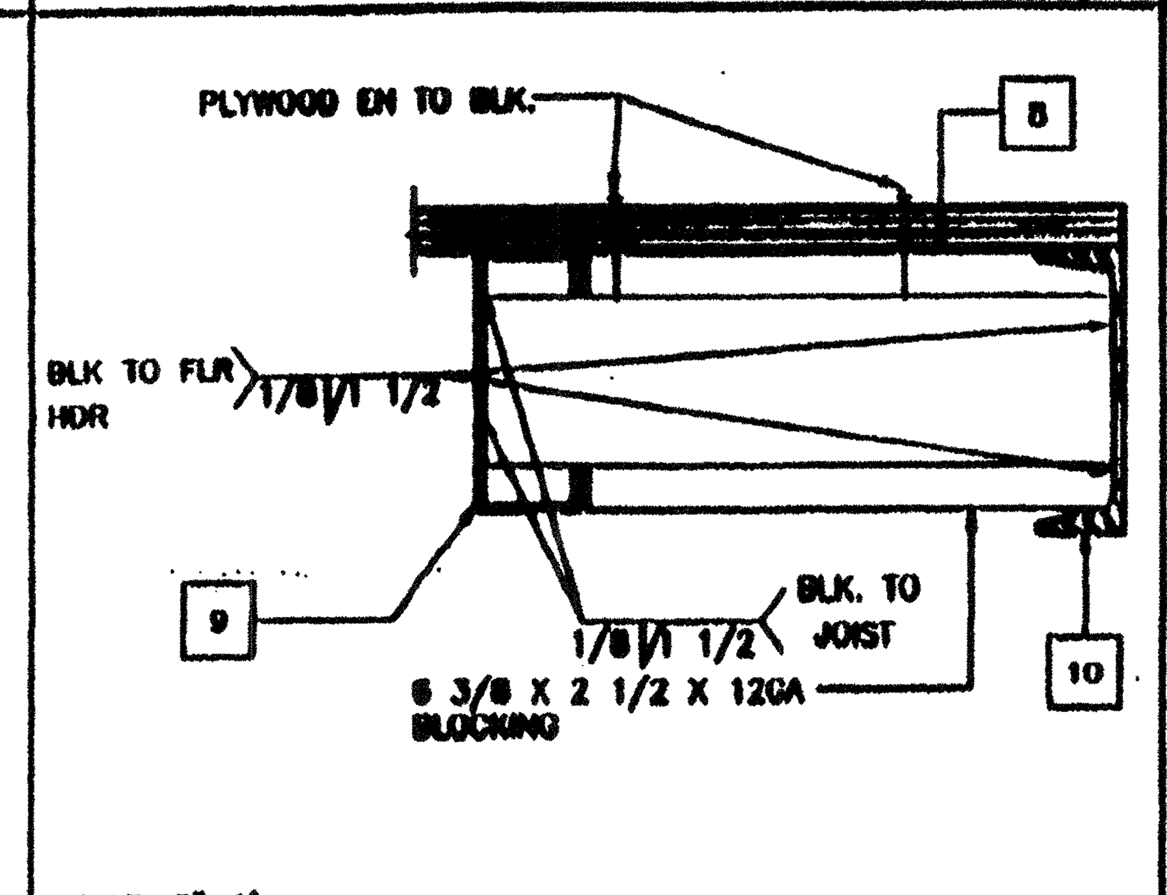
ROOF PAN (22GA.) 5



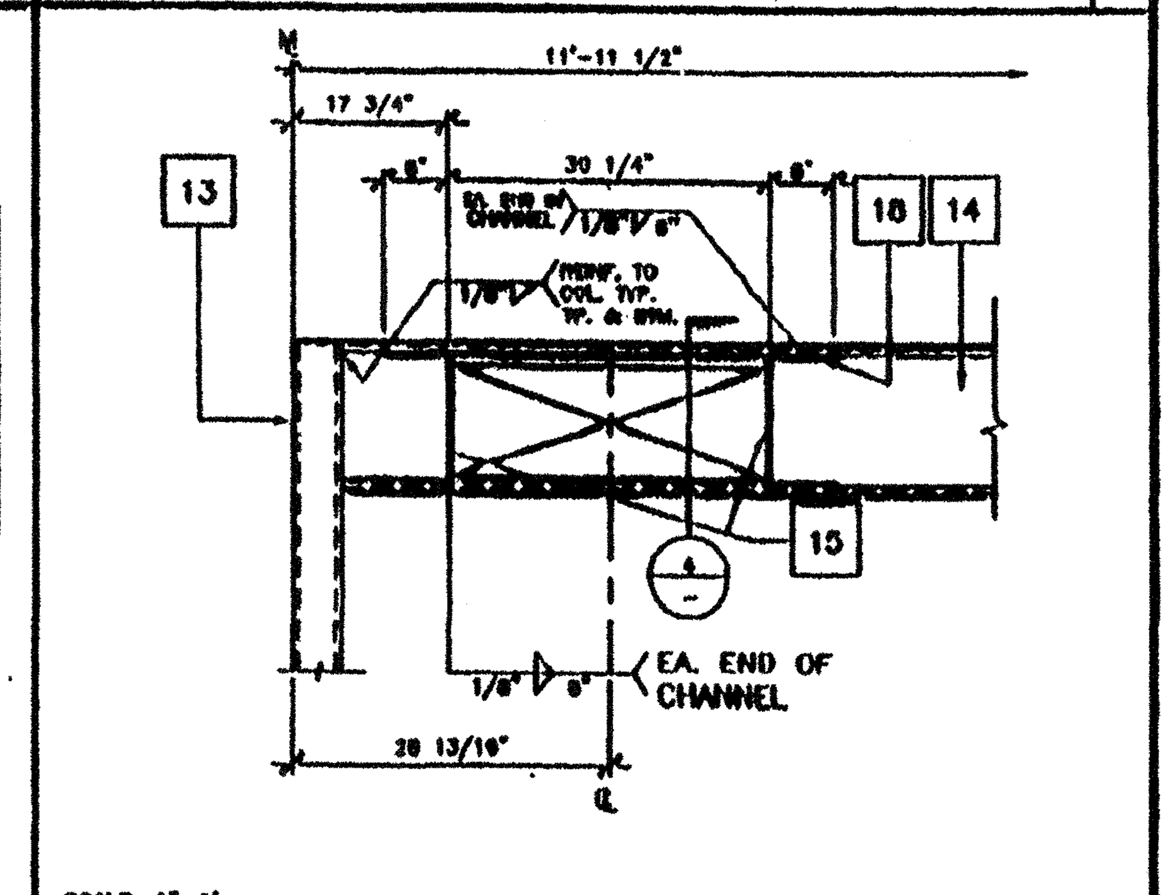
FLOOR FRAME/JOIST TO BEAM 6



MODULE JOINT AT FLR. 12'-0" 2



10 BLOCK AT MIDSPAN 7



ELEVATION-OPENING 3

KEY NOTES

1. CAP CLOSURE AT RIDGE 26GA. GALV. W/#10 TYPE FASTENERS W/NEOPRENE WASHERS TO RIB BOTH SIDES OF MODLINE. SET CAP IN SEALANT. BOTH SIDES
2. 5/8" M.B. A307 MODULE JOINT (SEE STRUCTURAL PLAN FOR LOCATION) AT 8' O.C.
3. E.N.
4. MODULE JOINT
5. 14" THK X 3" FULL DEPTH STIFFENER PLATE AT RIDGE ONLY (SEE 9/S2.1)
6. STANDING ROOF SEAM (SEE A2.0)
7. ROOF BEAM SEE 1/S2.1 & 7/S2.1
8. PLYWOOD FLOOR SHEATHING
9. FLOOR JOIST SEE 6/S2.1
10. FLOOR BEAM SEE 5/S2.1
11. HAND HOLE AT BOLT LOCATION
12. #14 STSMS.
13. 3 1/2"X3 1/2"X1/4" STEEL TUBE COLUMN. SEE 12/S2.1
14. ROOF HEADER SEE 3/S2.1
15. 1/4" STIFFENER PLATE SEE 9/S2.1 FOR TYP. WELD
16. SEALANT
17. ROOF PURLIN SEE 2/S2.1
18. 3 1/4" X 1" X 45 11/16" LG X 10GA CHANNEL TOP AND BOTTOM OF OPENING

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 104946
DATE JAN 3 2003

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 104810
DATE JUN 0 6 2002

04 104084

03 117026
DATE 6/1/16

04 10
DATE MAR 2 1 2002

CBC 1998

PC

REVISIONS

1	DD	CORRECT KEYNOTE 2	08-10-01
2			
3			
4			
5			

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

PC-04 101419

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

PROJECT NUMBER: 4151

© MODTECH, INC. 1999

WILLIAMS SCOTSMAN

STRUCTURAL DETAILS

DRAWN BY: WQ
DATE: 3/6/02
CHECKED BY:
DATE:

S1.2

PC-04-101419 PROJECT NO. 4097

ELECTRICAL PANEL SCHEDULE

MAIN: 100 AMP	12 POLE	PANEL: A	LOCATION: REAR/INTERIOR	FEED: REAR	MOUNTING: FLUSH

LOAD		WATTS AΦ	WATTS BΦ	BREAKER Amps	BREAKER P	CKT	CKT	BREAKER P	BREAKER Amps	WATTS AΦ	WATTS BΦ	LOAD
RECEPTACLE	(4)	720		20	1	1	2	2	50	3640		HVAC (3 1/2T) w/ 5KW HEAT STRIP
RECEPTACLE/CLOCK	(5)		900	20	1	3	4	–	–		3640	HVAC (3 1/2T) w/ 5KW HEAT STRIP
						5	6					
						7	8					
INT/EXT LIGHTS	(13)	900		20	1	9	10					
INT. LIGHTS	(12)		840	20	1	11	12	–	–			FIRE ALARM (DEDICATED)
WATTS/PHASE	A = 5160	1620	1740							3640	3640	B = 5280 WATTS/PHASE

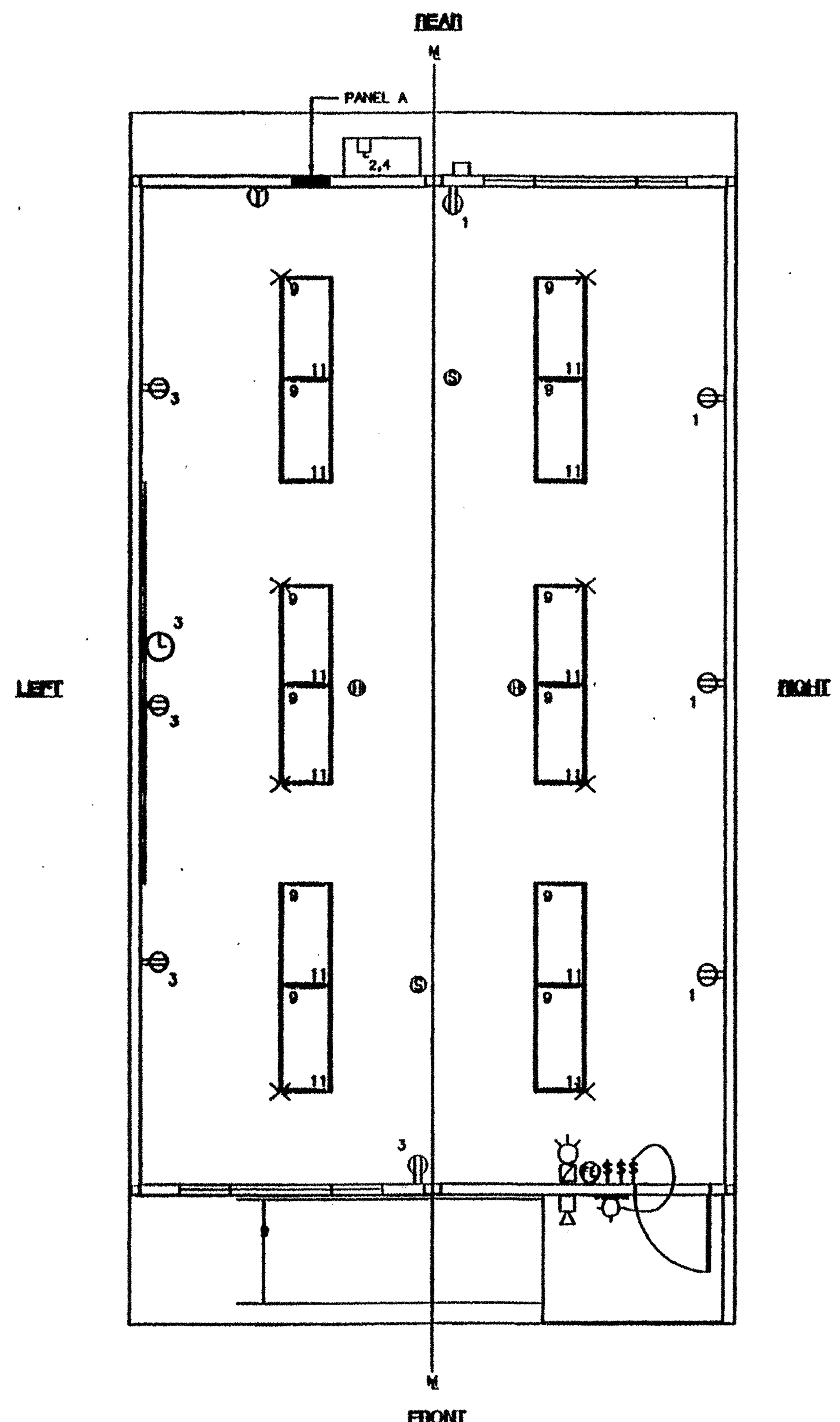
TOTAL 10440 WATTS	44 AMPS	120/240 VOLTS	SINGLE Φ	THREE WIRE
NCL = 13160 WATTS				

GENERAL GROUNDING NOTES

1. EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" [illegible] COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL, OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL)
2. TESTING: TEST FOR RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (BY SITE ELECTRICAL)
3. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION, EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.
4. GROUND ROD TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.

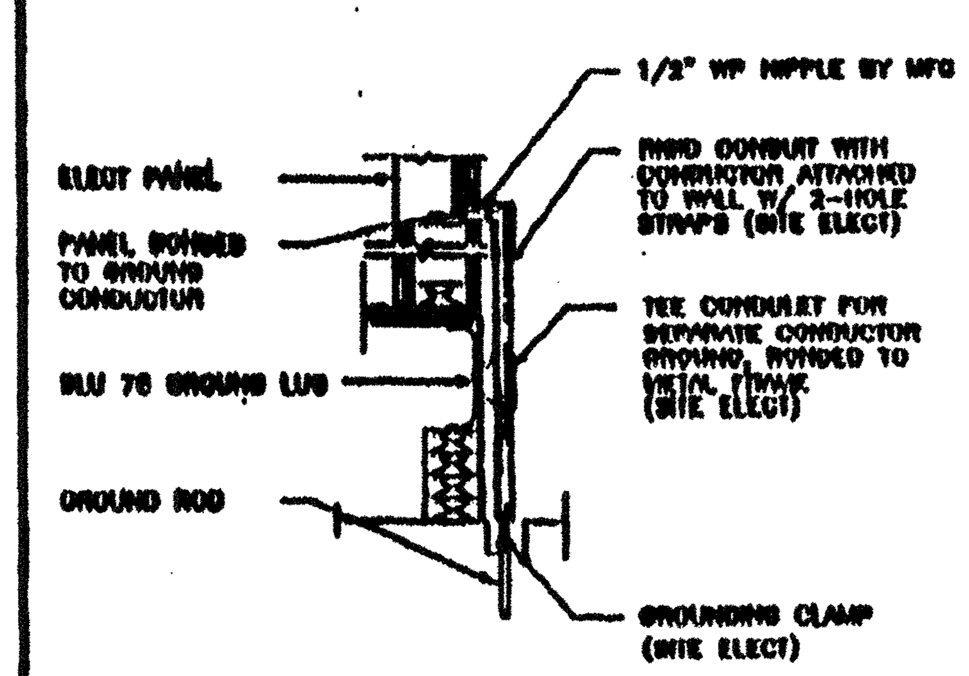
ELECTRICAL LEGEND

- 2'x4' 4 TUBE FLUORESCENT LIGHT FIXTURE
- EXTERIOR LIGHT FIXTURE AT +93" AFF
- SWITCH AT +48" AFF
- DUPLEX WALL RECEPTACLE 15A 125V 3 WIRE AT +18" AFF [illegible]
- HVAC UNIT (HV)
- 4SD J-BOX FOR FIRE ALARM PULL STATION AT +48" AFF, 3/4" CO TO [symbol] OR [symbol]. PULLSTRING
- 4SD J-BOX FOR FIRE ALARM STROBE AT +80" AFF 3/4" CO TO [symbol] PULLSTRING
- 4SD J-BOX FOR FIRE ALARM HORN AT +88" AFF 3/4" CO TO [symbol]. PULLSTRING
- WEATHER PROOF GUTTER BOX (6"x6"x4") AT +18" AFF RECEIVE 3/4" CO FROM FA DEVICE PULL STRING
- ELECTRICAL PANEL AT +60" AFF TO CENTERLINE 1 1/4" POWER NIPPLE PUC, GND JUMPER BY SITE ELECT
- CLOCK AT +80" AFF
- DATA LINE
- 4SD J-BOX FOR HEAT DETECTOR (ATTIC) *
- 4SD J-BOX FOR SMOKE DETECTOR (ATTIC) *

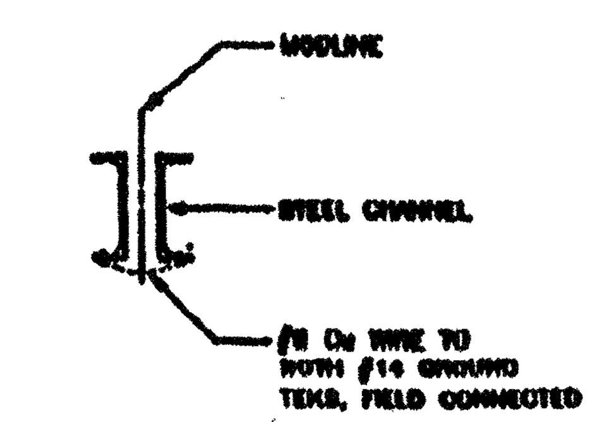


* SMOKE & HEAT DETECTORS SHOWN ARE FOR OPTION AUTOMATIC DETECTION. IF ELECTED AS AN OPTION THEY MUST BE PROVIDE BY DISTRICT. NO PROVISIONS WILL BE MADE UNDER THIS CONTRACT. AND NO EQUIPMENT WILL BE PROVIDED BY MOD-TECH.

4



TYP GROUNDING DETAIL 1



GROUND JUMPER @ MOD LINE 2

NOTES

1. SCHOOL EQUIPMENT ANCHORAGE

THE FOLLOWING IS FOR THE ARCHITECT'S INFORMATION ONLY:

THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO CCR TITLE 24, SECTION 1630A AND TABLE 16A-O. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 LBS & HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS MAY BE OMITTED FROM THE PLANS.

FOR ELECTRICAL DRAWINGS:

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

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

FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 TIMES THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 TIMES THE HORIZONTAL FORCE

THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE, Z = 4

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 104310 DATE JUN 0 6 2002

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 104946 AC FLS SS DATE JAN 1 3 2003

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 03 117036 6/1/16

LICENSED ARCHITECT FRED VINCENT HALLOCK No. C 24628 12/31/03 RENEWAL DATE STATE OF CALIFORNIA

ELECTRICAL PLAN (24'x40')

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

CBC 1998

REVISIONS			
1	DD	ADD CONDUIT SIZE FOR GUTTER BOX	09-10-01
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Architect's Seal

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

PROJECT NUMBER: 4151

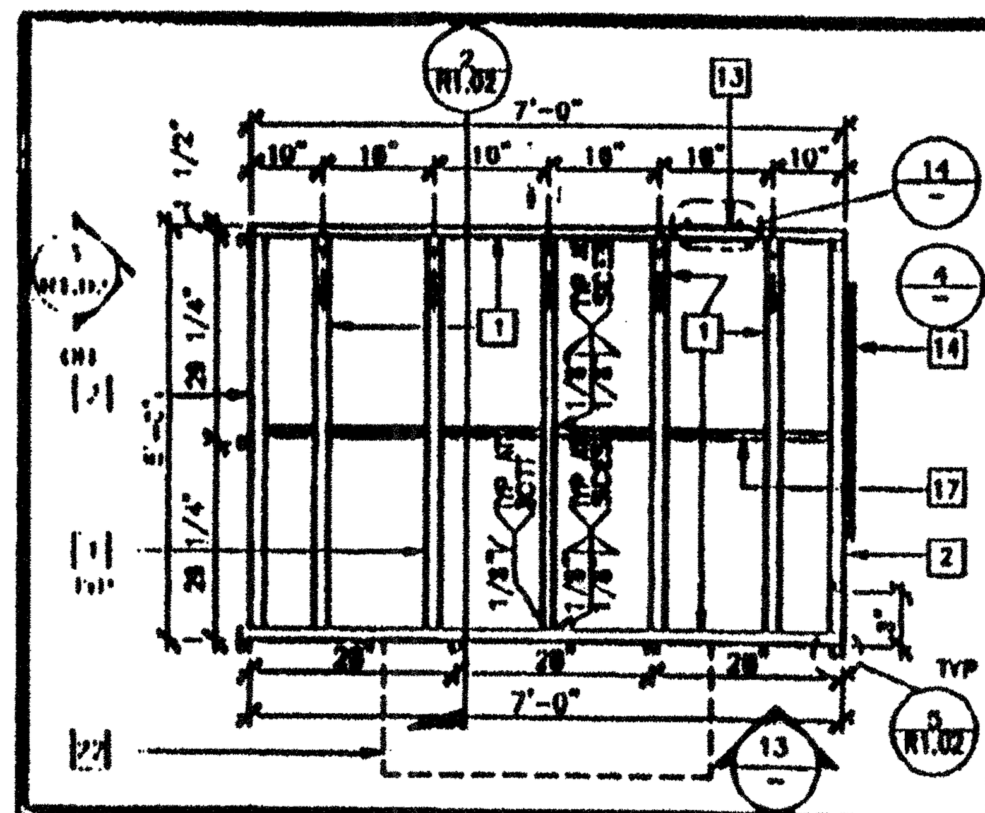
WILLIAMS SCOTSMAN

ELECTRICAL PLAN w/o DATA 24'x40'

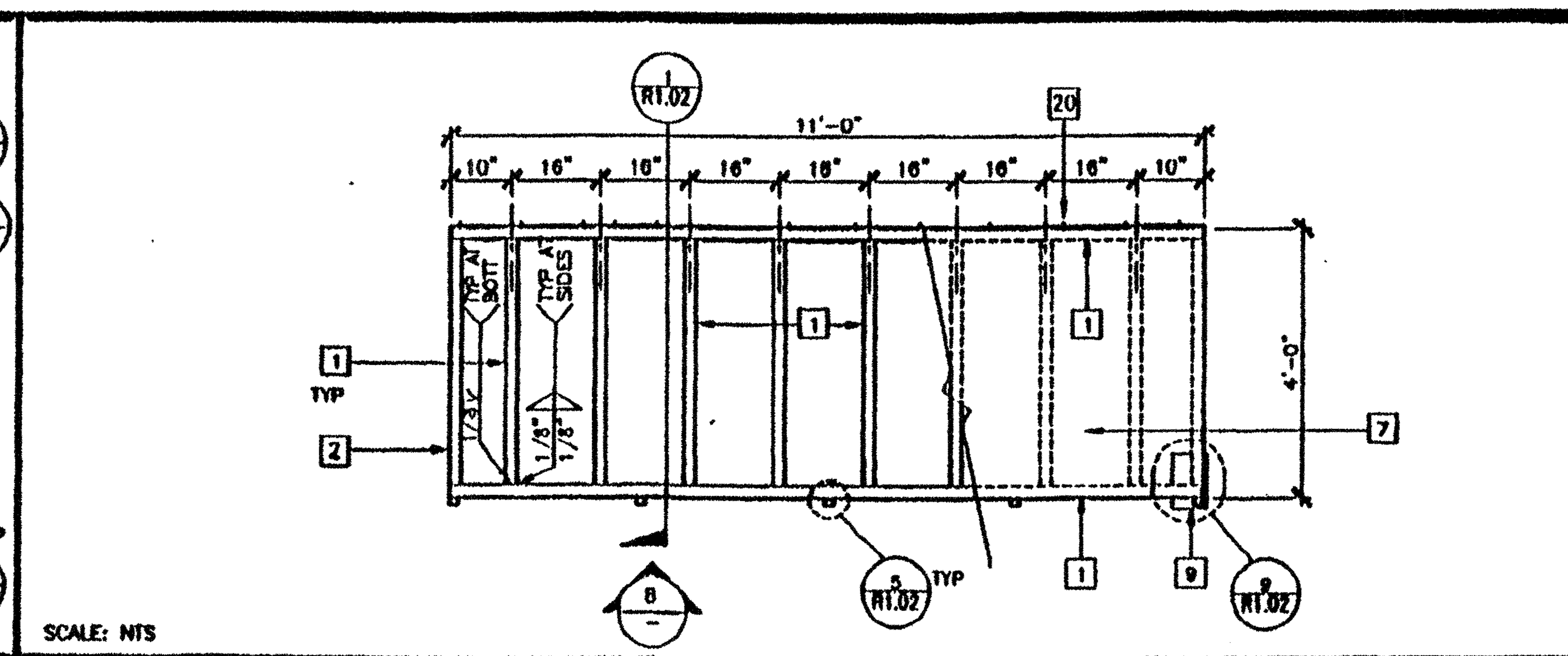
DRAWN BY: WQ
DATE: 3/6/02
CHECKED BY:
DATE:

E1.0

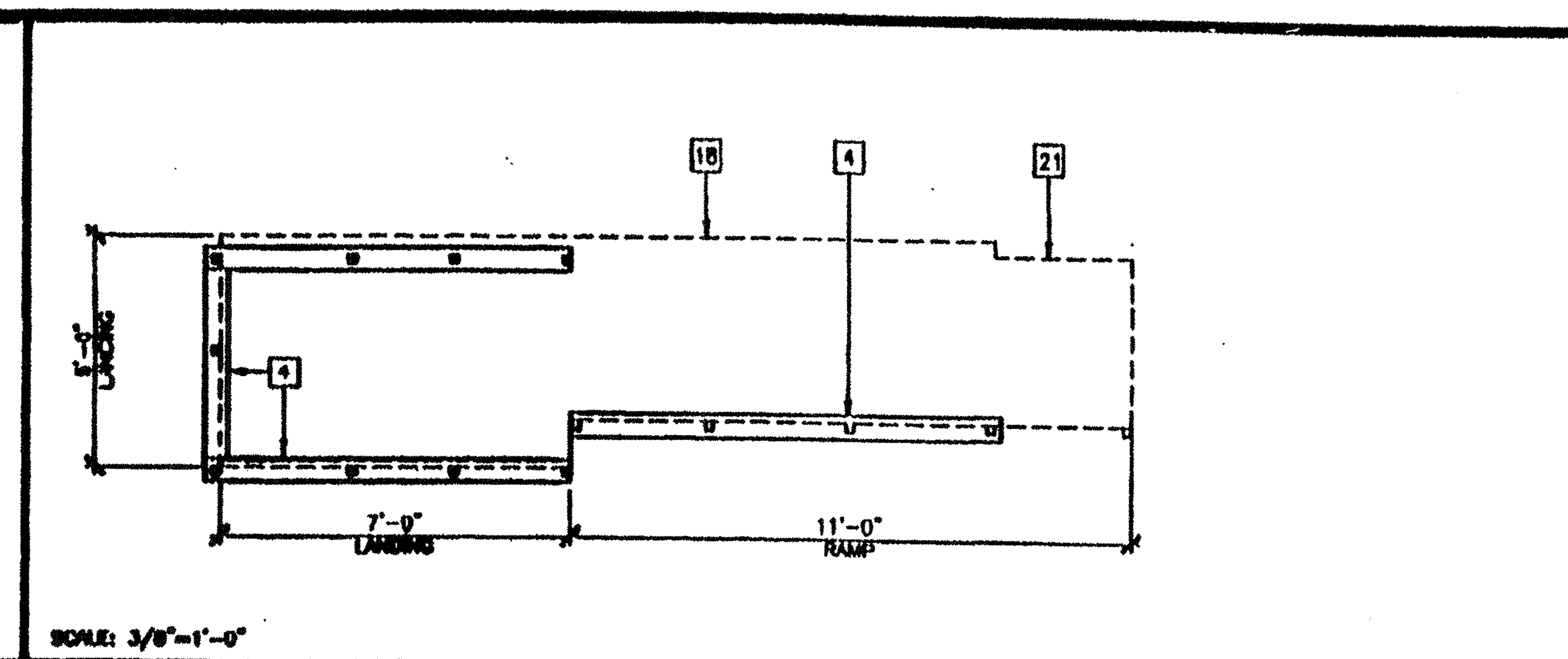
PROJECT NUMBER: 4097



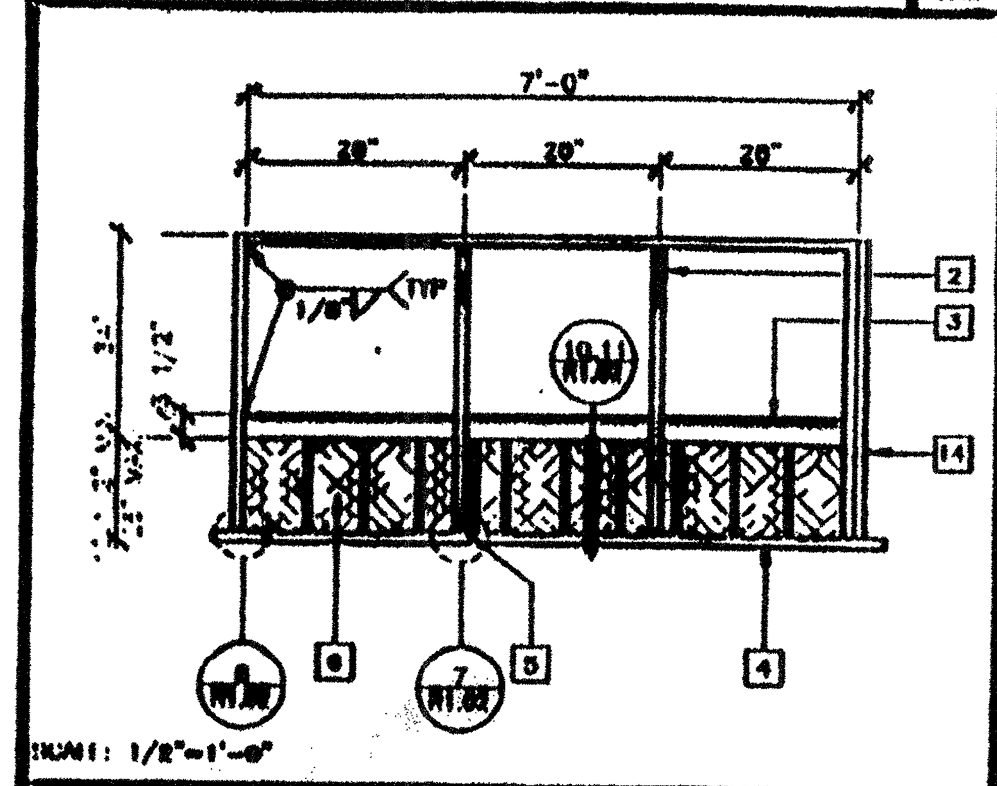
LANDING FRAME 12



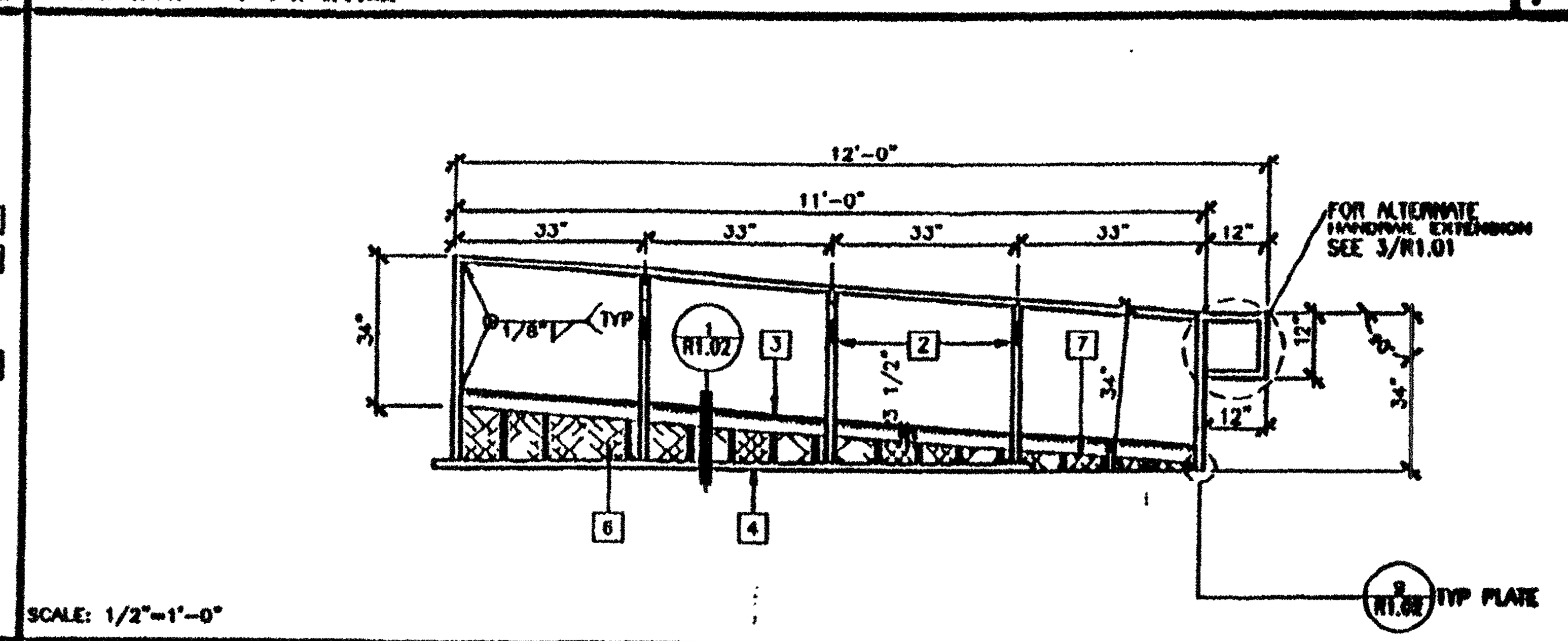
RAMP FRAME 7



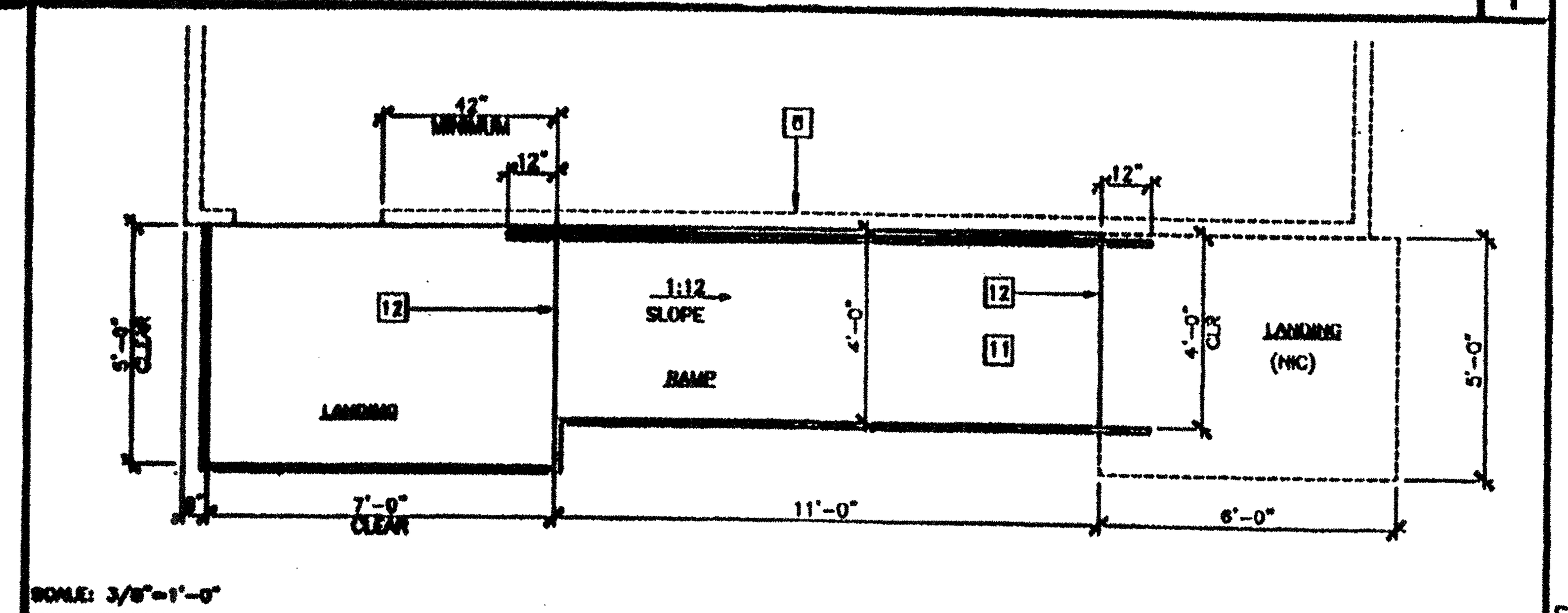
SILL PLAN FOR RAMP AND LANDING 1



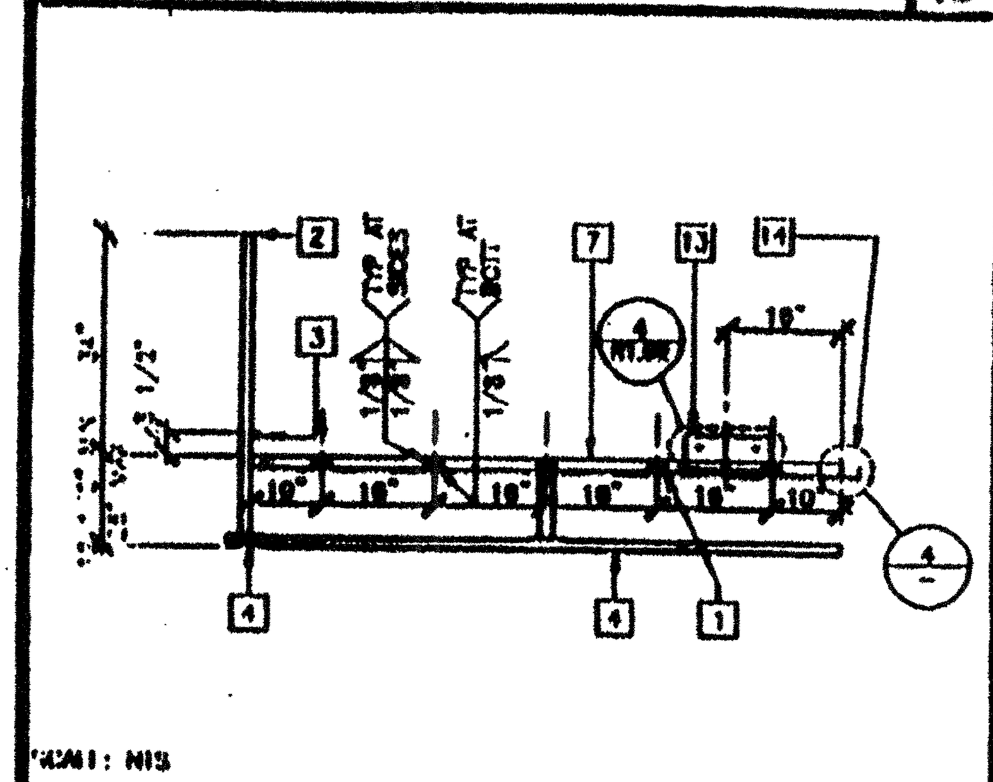
LANDING ELEVATION 13



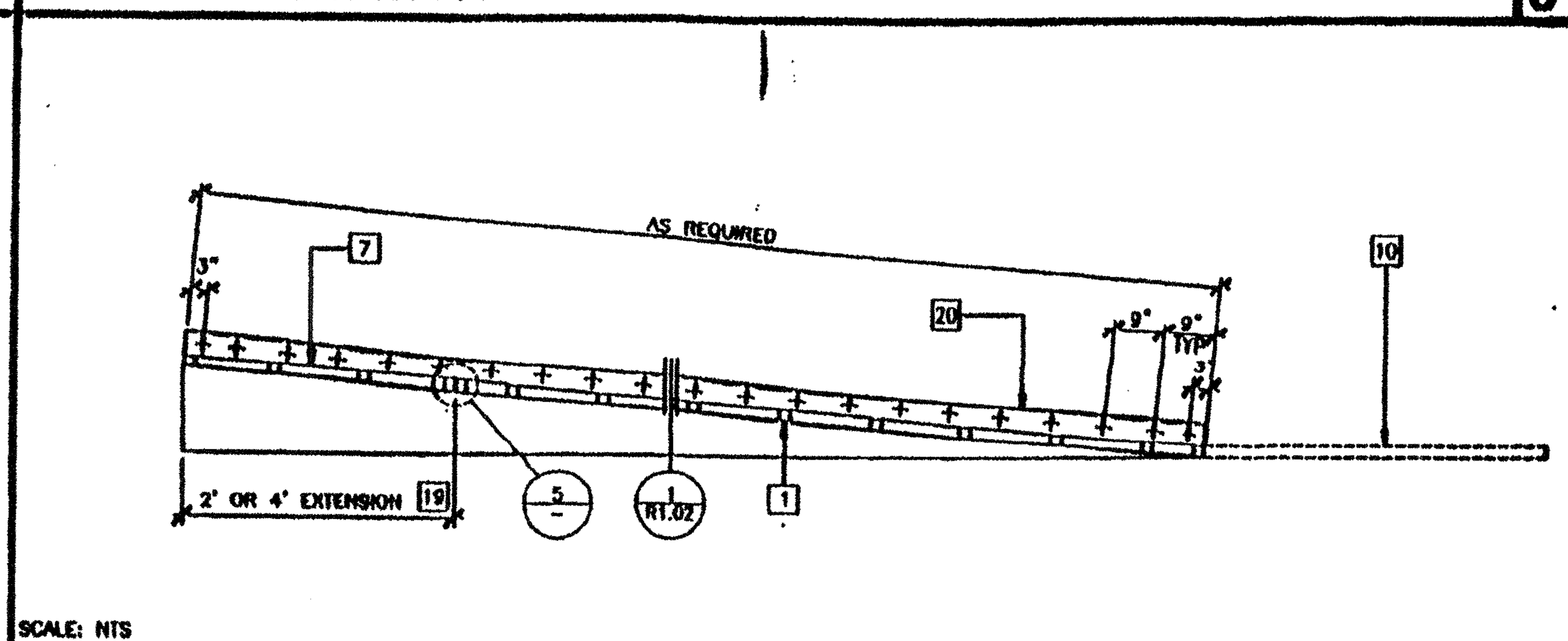
RAMP ELEVATION 8



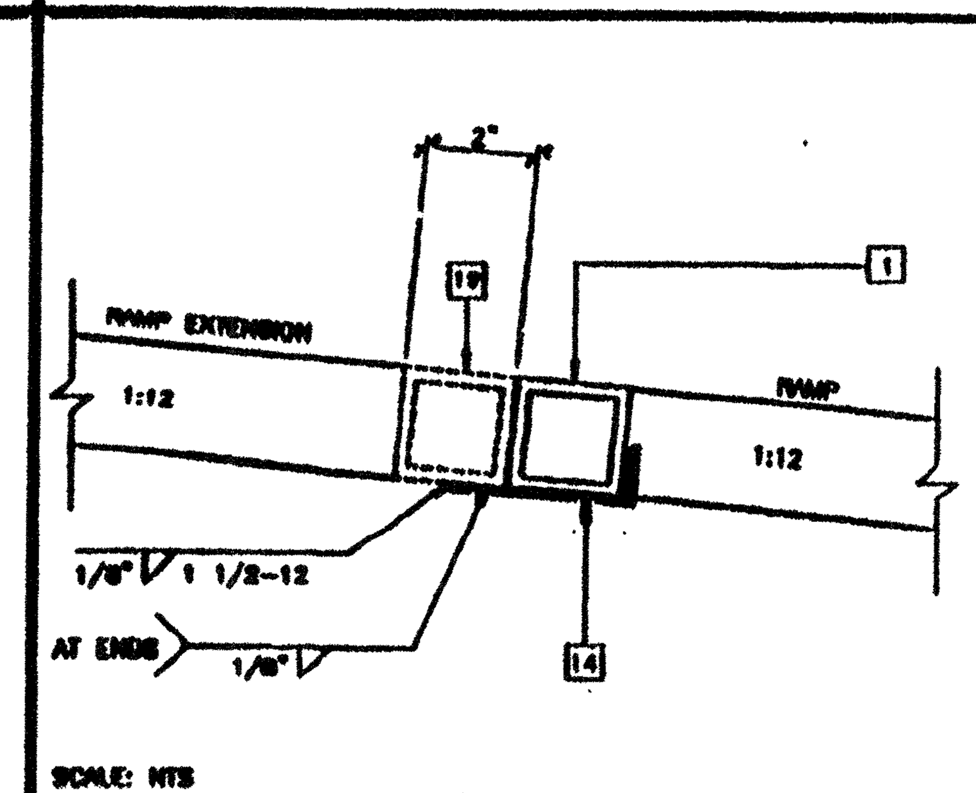
RAMP AND LANDING AT BUILDING 2



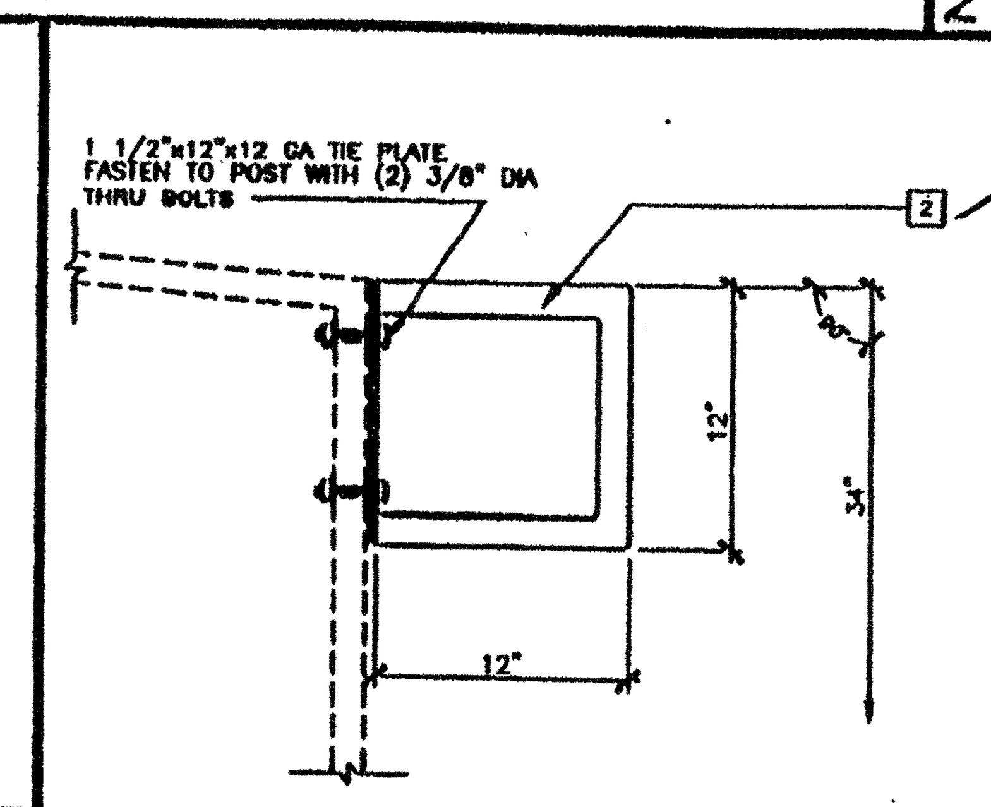
SECTION AT LANDING 14



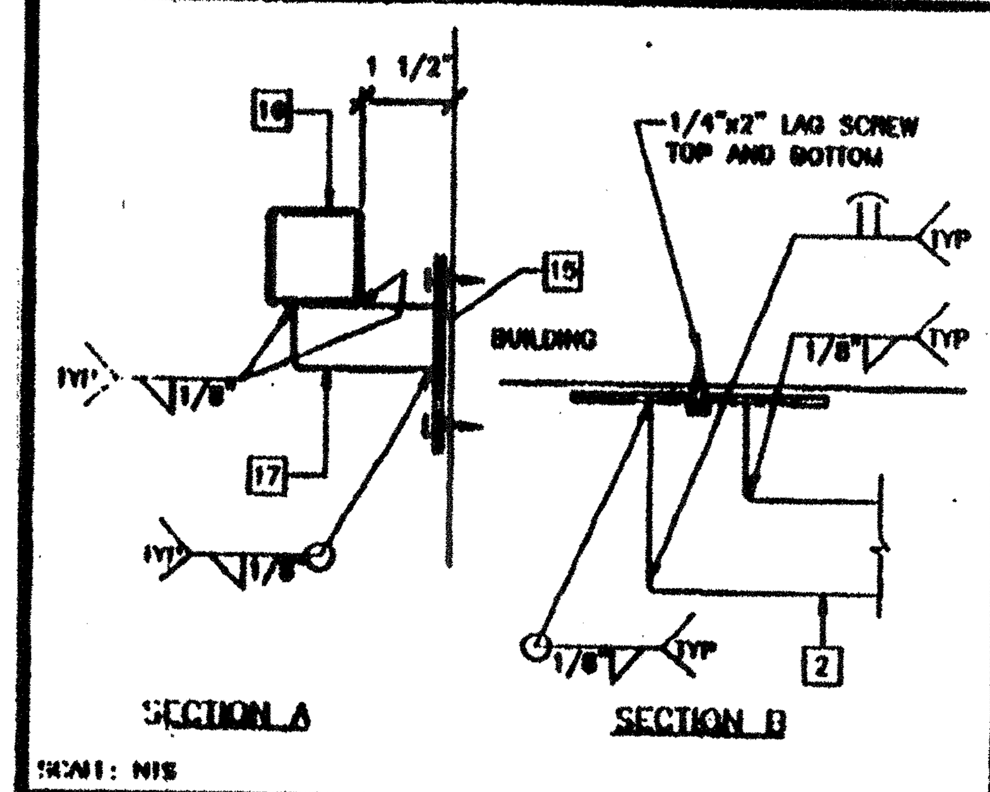
LONGITUDINAL SECTION AT RAMP 9



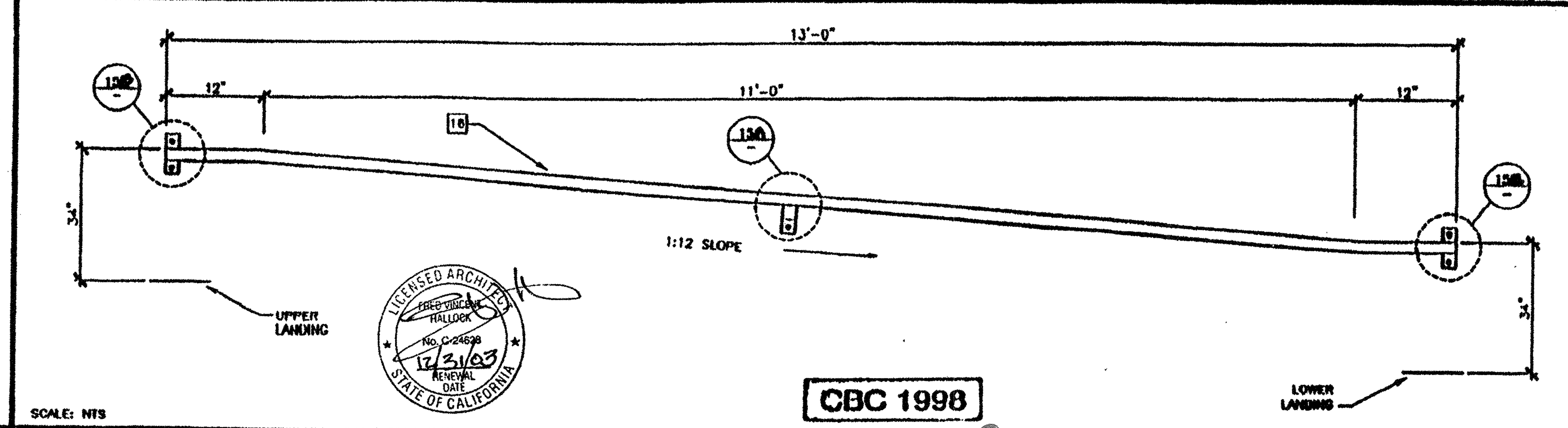
RAMP EXTENSION TO RAMP 5



ALTERNATE GUARD RAIL EXTENSION 3

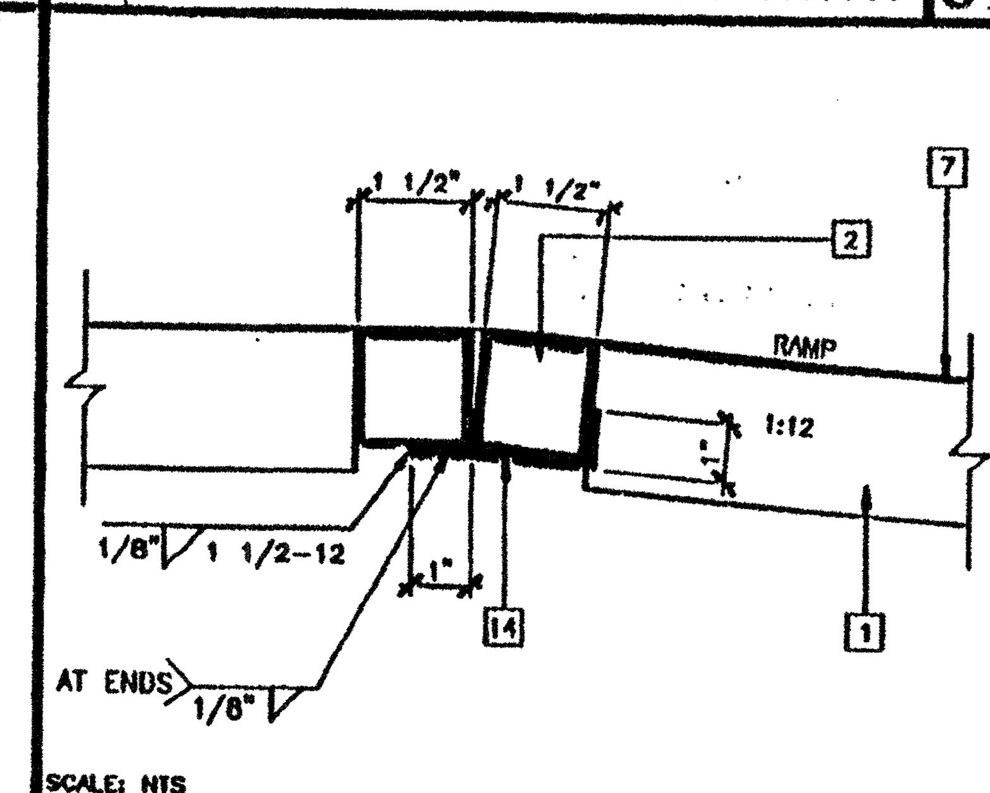


HANDRAIL CONNECTION 15



CBC 1998

HANDRAIL ATTACHED TO BUILDING (OPTIONAL) 6



RAMP AT LANDING 4

KEY NOTES

1. TS 2"x2"x14 GA
2. TS 1 1/2"x1 1/2"x14 GA (Fy = 39KSI). ROUNDED OR BEVELED AT CORNERS
3. TS 1"x1"x10 GA WHEELCHAIR GUIDE
4. 2"x6" PRESSURE TREATED SILL PLATE
5. 2"x4"x12 GA BASE PLATE WITH (2) 1/4"x1" LAGS
6. SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH WITH 8d AT 6" OC EDGES AND 12" OC FIELD. AT EDGE CONNECTION TO TUBE STEEL USE #14x2" TEK SCREWS AT 6" OC
7. 12 GA METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 6%. MAINTAINABLE FOR 1 YEAR
8. EXISTING BUILDING
9. 6"x10"x12 GA BASE PLATE AT RAMP TOE
10. LOWER LANDING BY DISTRICT
11. RAMP BY MODTECH
12. FLUSH TRANSITION
13. 6"x12"x10 GA PLATE WITH (2) 1/4"x3" LAGS TO STRUCTURAL FRAME OF BUILDING
14. 3"x1"x3'-0"x10 GA BENT PLATE
15. 2"x4"x 1/8" PLATE
16. TS 1 1/2"x1 1/2"x14 GA HANDRAIL – CONTINUOUS AND UNINTERRUPTED. ROUNDED OR BEVELED AT CORNERS
17. TS 1"x1"x18 GA RAIL SUPPORT
18. LINE OF RAMP/LANDING ABOVE
19. RAMP EXTENSION FRAME
20. 6"x10 GA CONTINUOUS PLATE WITH 1/4"x2" TEK SCREWS AT 9" OC INTO WOOD OR FOUNDATION BLOCKS OR #14x2" TEK SCREWS INTO STEEL AT 9" OC
21. NOTCH BOTTOM PLATE (MUD SILL) AS REQUIRED TO CLEAR RAMP TOE. MAX NOTCH 1 1/2"x4'-0" LONG.
22. NOTCH BOTTOM PLATE (MUD SILL) AS REQUIRED TO CLEAR RAMP TOE. MAX NOTCH 1 1/2"x4'-0" LONG.
23. LINE OF STAIR OPTION – 12,13/R1.02

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 104310 DATE JUN 06 2002

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 104946 DATE JAN 23 2003

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 10484 DATE MAR 09 2000

NOTES

1. RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP AT 34" HEIGHT.
3. SURFACE: LANDING & RAMP TO HAVE NON-SLIP SURFACE AMCOR GRIP II AS MANUFACTURED BY AMERICAN CHEMICAL COMPANY (OR EQUAL)
4. GROUNDING: PROVIDE GROUNDING OF RAMP TO BUILDING FRAME WITH #6 COPPER TO BOTH GROUND LUGS.
5. ARCHITECT SITE/RAMP/LANDING PLANNING: DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26". THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 20'-0" AT A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY MODTECH INC. IS 11'-0" AT A SLOPE OF 1:12. THEREFORE THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS MODTECH INC RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON THIS SHEET
6. ALL 1 1/4" AND 1 1/2" TUBE STEEL TO BE OF ASTM A500 GRADE A STEEL (Fy = 39 KSI)

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 117036 DATE 6/1/16

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

PC-04 101419

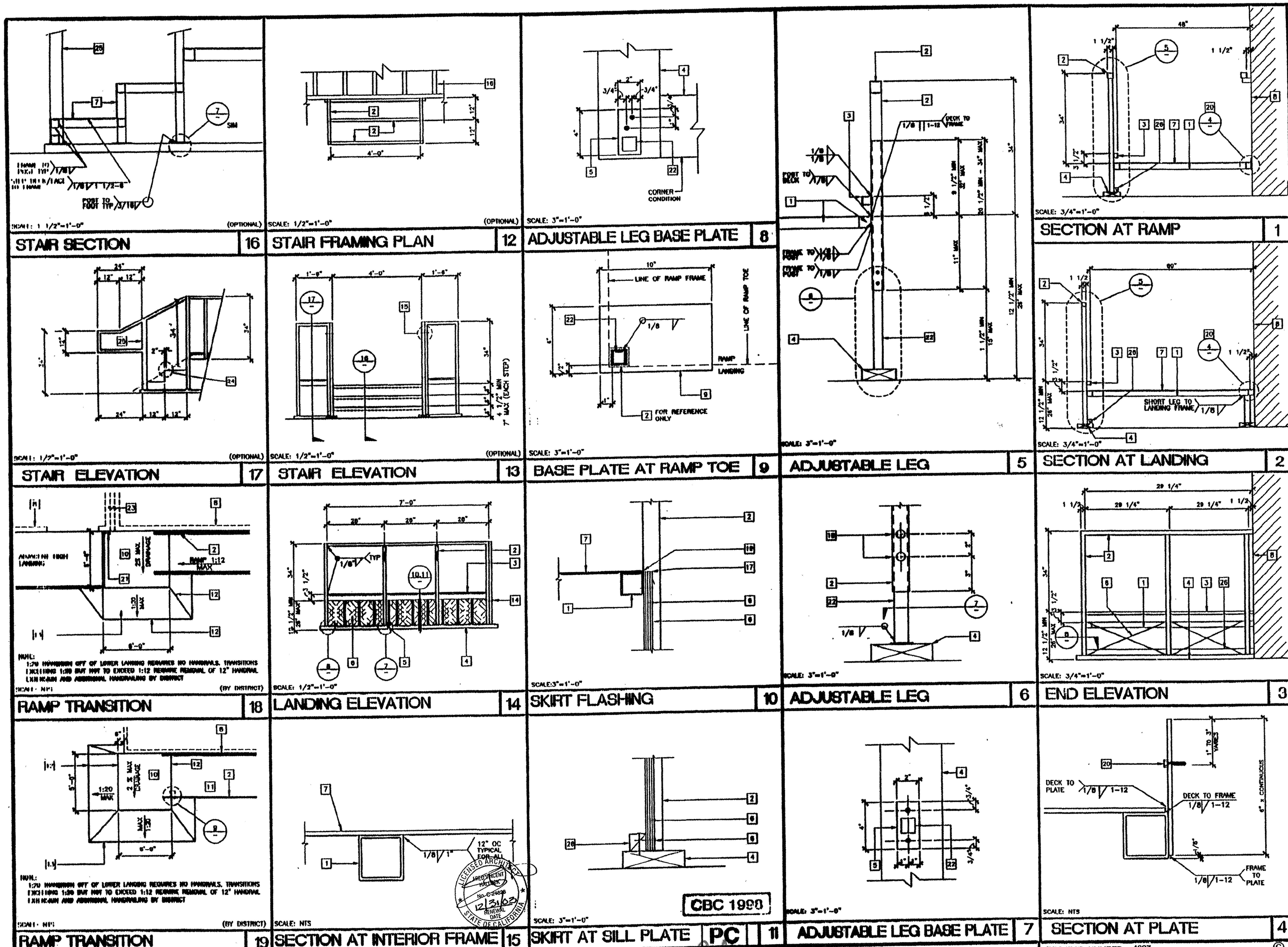
MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4097
WILLIAMS SCOTSMAN

DRAWN BY: WQ
DATE: 3/6/02
CHECKED BY:
DATE:

RAMP/LANDING 11' RAMP

R1.00



KEY NOTES

1. TS 2"x2"x14 GA
2. TS 1 1/2"x1 1/2"x14 GA (Fy = 39 KSI). ROUNDED OR BEVELED AT CORNERS.
3. TS 1"x1"x16 GA WHEELCHAIR GUIDE
4. 2"x6" PRESSURE TREATED SILL PLATE
5. 2"x4"x12 GA BASE PLATE WITH 2-1/4"x1" LAGS
6. SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH WITH 8d AT 6" OC EDGES AND 12" OC FIELD. AT EDGE CONNECTION TO TS. USE #14x2" TEK SCREWS AT 6" OC
7. 12GA METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 6%. MAINTAINABLE FOR 1 YR PROVIDE ROUNDED OR BEVELED EDGES ON STAIR NOSING.
8. EXISTING BUILDING.
9. 6"x10"x12 GA BASE PLATE AT RAMP TOE.
10. LOWER LANDING BY DISTRICT
11. RAMP BY MODTECH
12. FLUSH TRANSITION
13. PAVE BY DISTRICT
14. 3"x1"x3'-0"x10 GA BENT PLATE
15. FASTEN POSTS WITH 3/8" DIA THRU BOLT, TYPICAL
16. RAMP LANDING, TYPICAL
17. 26 GA FLASHING
18. 3/8" DIAx2" LONG MB WITH NUT & WASHERS
19. CAULKING
20. 6"x10GA CONTINUOUS PLATE WITH #14x2" TEK SCREWS AT 9" OC INTO WOOD OR FOUNDATION BLOCKS OR #14x7" TEK SCREWS INTO METAL AT 9" OC
21. PROVIDE DIVERSION FOR WATER FROM DOWNSPOUT FOR THIS CONDITION. BY DISTRICT
22. TS 1 1/4"x1 1/4"x14 GA (Fy = 39 KSI)
23. 4" MINIMUM BUILDING SEPARATION
24. 2" SLIP RESISTANT WARNING STRIPES MAX 1" FROM EVERY STAIR NOSING. USE CONTRASTING COLOR
25. TS 2 1/2"x1 1/2"x8 GA ASTM A500
26. 2"x2" NAILER WITH 16d AT 12" OC

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 104946
AC FLS SS
DATE JAN 23 2003

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101310
AC FLS SS
DATE JUN 06 2002

REVISIONS

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
101419

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

PROJECT NUMBER: 4097

WILLIAMS SCOTSMAN

DRAWN BY: WQ
DATE: 3/6/02
CHECKED BY:
DATE:

RAMP/LANDING DETAILS

R1.02

JOB# 4736

MODULAR CLASSROOM BUILDING

FOR WILLIAMS SCOTSMAN

BUILDING SIZE: 24'x40' (50 UNITS)

STOCKPILE

PC-04-104796

CLASS LEASING INC
STOCKPILE 76- A# 04-105455 CERTIFIED 3/25/2005

SERIAL NUMBERS
47944-001/002
47945-001/002
47946-001/002
47947-001/002
47948-001/002
47949-001/002
47962-001/002
47963-001/002
47980-001/002
47981-001/002
48721-001/002
48722-001/002
48724-001/002
48725-001/002
48726-001/002
48728-001/002
48733-001/002
48734-001/002

DGS State of California • Department of General Services • Gray Davis, Governor
DIVISION OF THE STATE ARCHITECT
Headquarters• 1130 K Street, Suite 101 • Sacramento, CA 95814 • (916) 445-8100

STRUCTURAL TESTS AND INSPECTIONS

Testing Laboratory: | Date: | File Number:
Name: | Application Number:
District / Owner:
Architect:
Structural Engineer:

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

COMPACTED FILL
☐ Fill material, acceptance tests
☐ Compaction control, continuous
☐ Compaction tests only as ordered
☐ Bearing capacity of compacted fill

REINFORCING STEEL
☐ Sample and test bar steel
☐ Sample and test mesh
☐ Inspect placing at job

STRUCTURAL STEEL
☒ Sample and test as detailed below
☒ Shop fabrication inspection
☐ Field erection inspection
☒ Inspection of welds - Shop
☐ Inspection of welds - Field
☐ Inspection of riveting or bolting - Shop
☐ Inspection of riveting or bolting - Field
☐ Sample and test high strength bolts and washers

BRICK AND BLOCK
☐ Sample and test
☐ Test only
☐ Inspection of placing
☐ Core drill samples

GLUED LAMINATED STRUCTURAL LUMBER
☐ Fabrication inspection
☐ Sample and test steel accessories
☐ Inspect fabrication of steel accessories

Concrete	Gunite	Grout	Mortar	
				Test of aggregates for mix design only
				Suitability tests of aggregates as detailed below
				Mix designs
				Continuous batch plant inspection
				Inspect placing
				Sample
				Compression tests
				Pick up samples at job
				Samples delivered to laboratory
				Deliver sample forms to job site
				Sample and test cement

Suitability Tests	Concrete	Gunite	Grout	Mortar
☐ Sodium sulphate				
☐ Structural strength				
☐ Los Angeles rattler				
☐ Clay (Hydrometer method)				
☐ Reactivity tests				
☐ Volume change				

Mix designs: Concrete, Gunite, Mortar, or Grout

Material	Maximum Size	Compressive Strength, PSI, Minimum					

List of structural steel members to be tested:
ALL UNIDENTIFIED STEEL PER CBC CHAPTER 22A (MILL CERTS)

Is this list continued on reverse? ☐ YES ☐ NO

Other tests and inspections, together with special instructions:

Copies of reports to: OPSC, AOR

Are these instructions continued on reverse? ☐ YES ☐ NO

By: ____ Authorized Representative

SSS 103-1 (Revised 8/98)

(Old 101419)

BUILDING DATA

STRUCTURAL DESIGN: ORDINARY MOMENT RESISTANT FRAME
TYPE OF CONSTRUCTION: V-N
WIND LOAD (EXP C): 80 MPH
SEISMIC ZONE 4, SEISMIC SOURCE TYPE A, DISTANCE ≤1.25 MILES
Z = .4 I = 1.0 Cv = 1.28 Nv = 2.0
R = 4.5 Ca = 0.66 Na = 1.5 SOIL TYPE = S_D
FLOOR LIVE LOAD: 50 PSF
ROOF LIVE LOAD: 20 PSF
OCCUPANCY: 24'x40' CLASSROOM: E-2
BUILDING AREA: 24'x40' BUILDING – 960 SF
-COMPLIES WITH CLIMATE ZONES 1-15
THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.

APPLICABLE CODES

2001 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1, 2, AND 3 (PART 2, TITLE 24, CCR) (1997 EDITION UNIFORM BUILDING CODE WITH 2001 CALIFORNIA AMENDMENTS)
2001 CALIFORNIA ELECTRICAL CODE (CEC), (PART 3, TITLE 24, CCR) (1999 EDITION NATIONAL ELECTRICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)
2001 CALIFORNIA MECHANICAL CODE (CMC), (PART 4, TITLE 24, CCR) (2000 EDITION IAPMO UNIFORM MECHANICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)
2001 CALIFORNIA PLUMBING CODE (CPC), (PART 5, TITLE 24, CCR) (2000 EDITION IAPMO UNIFORM PLUMBING CODE WITH 2001 CALIFORNIA AMENDMENTS)
2001 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)
2001 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)
2001 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)
2001 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)
TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS.

LEGEND

SYMBOL	DESCRIPTION
(1 / –)	DETAIL (1) ON SAME SHEET AS SYMBOL
(1 / 2)	DETAIL (1) ON SHEET (2)
[1]	KEY NOTE (1) ON SAME SHEET AS SYMBOL
(A / 2)	SECTION "A" ON SHEET (2)
△1	REVISION/CHANGE IN DRAWING. (1) IS FIRST REVISION
CLOUD	HIGHLIGHTS CHANGED AREA
(1)	DOOR REFERENCE
⬡A	WINDOW REFERENCE
EL	ELECTRICAL ITEM(S) SEE ELECTRICAL DRAWINGS
HV	HEATING/VENTILATING & AIR CONDITIONING ITEM(S) SEE MECHANICAL DRAWINGS
PLG	PLUMBING ITEM(S) SEE MECHANICAL DRAWINGS
STR	STRUCTURAL ITEM(S) SEE STRUCTURAL DRAWINGS
FIN	FINISH ITEM(S) SEE FINISH SCHEDULE
RAMP	RAMP – SEE RAMP DRAWINGS

ABBREVIATIONS

AGC = ABOVE GRADE CONCRETE
BGC = BELOW GRADE CONCRETE
DIA = DIAMETER
CLR = CLEAR
GA = GAUGE
MAX = MAXIMUM
MIN = MINIMUM
NIC = NOT IN CONTRACT
NTS = NOT TO SCALE
OC = ON CENTER
OD = OUTSIDE DIAMETER
OSB = ORIENTED STRAND BOARD
ROH = ROOF OVERHANG
SIM = SIMILAR
STS = SELF TAPPING SCREW
STSMS = SELF TAPPING SHEET METAL SCREW
TYP = TYPICAL
UON = UNLESS OTHERWISE NOTED

WITH THE SIGNING OF THESE DRAWINGS, WE ACKNOWLEDGE THAT WE HAVE REVIEWED THESE PLANS AND SPECIFICATIONS AND HAVE FOUND THEM TO BE IN GENERAL COMPLIANCE WITH THE BID DRAWINGS, SPECIFICATIONS AND ASSOCIATED ADDENDA. WHEN THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITECT. THEY SHALL PRESIDE OVER CONFLICTING AREAS IN THE BID DRAWINGS AND SPECIFICATIONS, AND ANY ADDENDA THERETO.

SHEET INDEX

ARCHITECTURAL SITE SET-UP FOR RELOCATION

A.0 TITLE SHEET
~~A1.0 FLOOR PLAN~~
A1.1 FLOOR PLAN
[redacted]

~~A2.01 REFLECTED CEILING PLAN (8 LIGHTS)~~
~~A2.02 REFLECTED CEILING PLAN (10 LIGHTS)~~
~~A2.03 REFLECTED CEILING PLAN (12 LIGHTS)~~
[redacted]

[redacted]
~~A3.02 ROOF PLAN 22 GA.~~
[redacted]

A4.01 EXTERIOR ELEVATIONS (DUAL PITCH) W/ FASCIA
~~A4.02 EXTERIOR ELEVATIONS (DUAL PITCH) W/O FASCIA~~
[redacted]
~~A4.03M ARCHITECTURAL DETAILS (METAL STUDS)~~
~~A4.04 ARCHITECTURAL DETAILS (WOOD STUDS)~~
~~A4.04M ARCHITECTURAL DETAILS (METAL STUDS)~~

[redacted]
~~A6.01 DOOR, WINDOW, FINISH, HARDWARE SCHEDULES~~
[redacted]

~~A8.0 SPECIFICATIONS~~
~~A8.1 SPECIFICATIONS~~
~~A8.2 SPECIFICATIONS~~

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 105455
AC AS FLS [signature] SS NB
DATE JUL 17 2003
FLS: D. E. CASEY
AC: A. M. SMITH

STRUCTURAL SS: V. GARCIA

~~F1.0 FOUNDATION PLAN 50 PSF LL (WOOD)~~
F1.01 FOUNDATION PLAN 50 PSF LL (WOOD)
~~F2.0 FOUNDATION DETAILS (WOOD) W/ 3 PLATES~~
F2.01 FOUNDATION DETAILS (WOOD) W/ 3 PLATES
[redacted]
S1.2 FLOOR FRAMING DETAILS (TYPICAL)
~~S2.0 ROOF FRAMING PLAN (DUAL PITCH) W/ FASCIA~~
~~S2.01 ROOF FRAMING PLAN (DUAL PITCH) W/O FASCIA~~
~~S2.1 ROOF FRAMING DETAILS (TYP.)~~
[redacted]
~~S3.01 STRUCTURAL ELEVATIONS & DETAILS (DUAL PITCH) W/O FASCIA~~
~~S3.02 STRUCTURAL ELEVATIONS & DETAILS (DUAL PITCH) W/O FASCIA~~
[redacted]
~~S4.0M WALL FRAMING (METAL)~~
~~S4.1 WALL FRAMING (WOOD)~~
~~S4.1M WALL FRAMING (METAL)~~
[redacted]
~~S5.0M WALL FRAMING DETAILS (METAL)~~
~~S5.1 WALL FRAMING DETAILS (WOOD)~~
~~S5.1M WALL FRAMING DETAILS (METAL)~~
~~S5.2 WALL FRAMING DETAILS (WOOD)~~
~~S5.2M WALL FRAMING DETAILS (METAL)~~

MECHANICAL

[redacted]
~~M1.01 MECHANICAL (HVAC) PLAN 5 TON~~
~~M1.02 MECHANICAL (HVAC) PLAN 5 TON~~

ELECTRICAL

~~E1.01 ELECTRICAL PLAN~~
~~E1.02 ELECTRICAL PLAN~~
E1.03 ELECTRICAL PLAN
~~E1.04 ELECTRICAL PLAN~~

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
03 117026
AC [signature] FLS HMR SS RBK
DATE 6/1/11

RAMP

~~R1.01 4 FOOT RAMP/LANDING PLAN~~
R1.02 RAMP/STAIRS DETAILS
~~R2.01 OFFSET RAMP/LANDING PLAN~~
~~R2.02 OFFSET RAMP/STAIRS DETAILS~~
~~R3.01 FULL LENGTH RAMP/LANDING AND DETAILS~~
~~R4.01 CONCRETE RAMP/LANDING~~
R5.01 5 FOOT RAMP/LANDING PLAN, 1L [redacted]
[redacted]

FILE PATH:

PC
CBC 2001

NOTES

SECTION 2213A.4.1 OF THE 2001 CBC
ALL WELDS IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEM SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LBS AT MINUS 20 DEGREES F.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 10[illegible]34 (crossed out)
JUL 17 2003
FLS: XAVIER OROZCO, ARCHITECT

REVISIONS			
△1			
△2			
△3			
△4			
△5			

Electrical Engineer's Seal | Mechanical Engineer's Seal | PC Professional of Record Seal | Architects Seal

LICENSED ARCHITECT — FRED BRUCE HALLOCK — No. C-9639 — 12/31/05 RENEWAL DATE — STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC-04 104796
AC [signature] FLS [signature] SS [signature]
DATE 7/3/03

MODTECH INC.™

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

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE: STKP-76

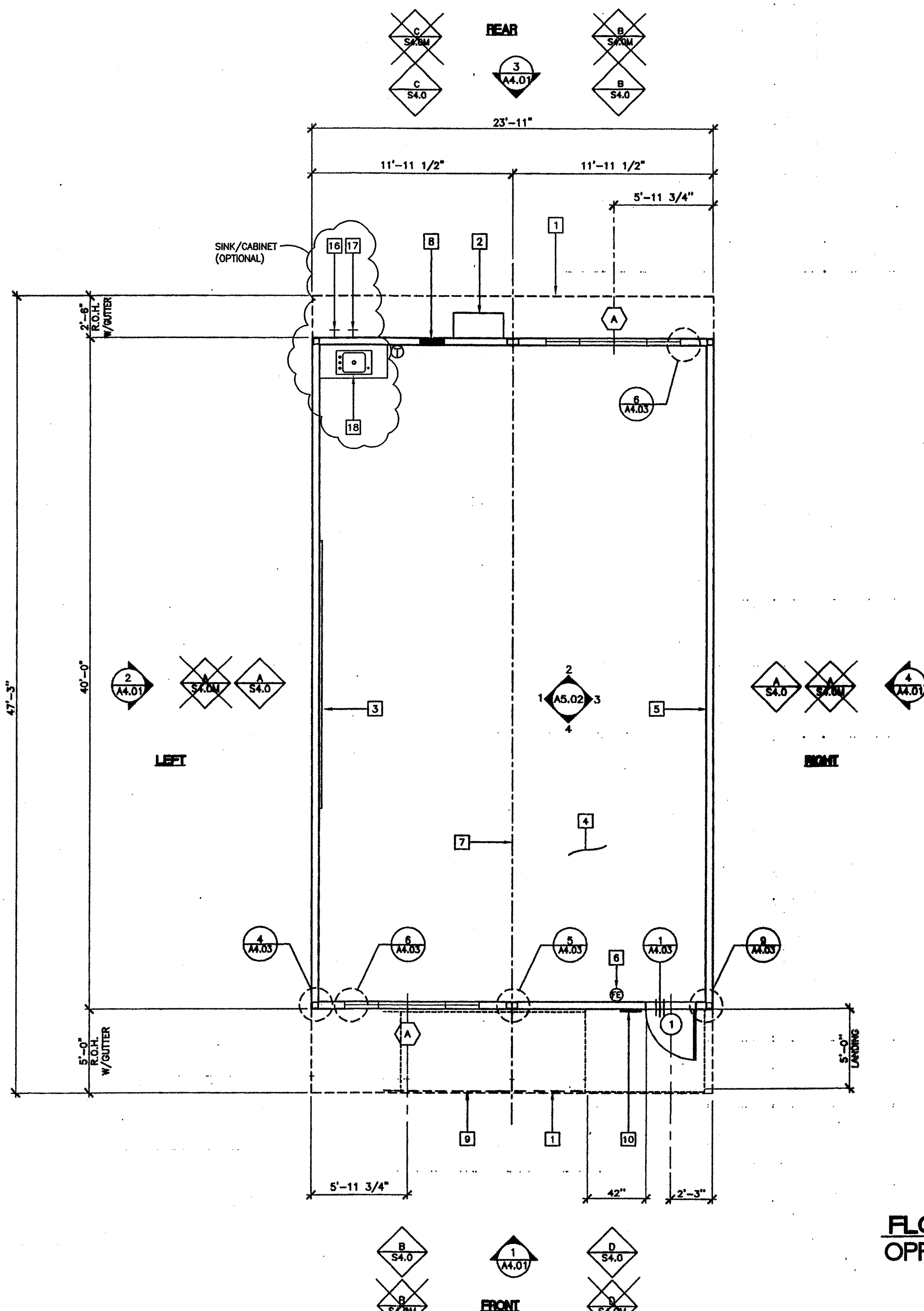
MODTECH Index No.

COVER SHEET

A.0

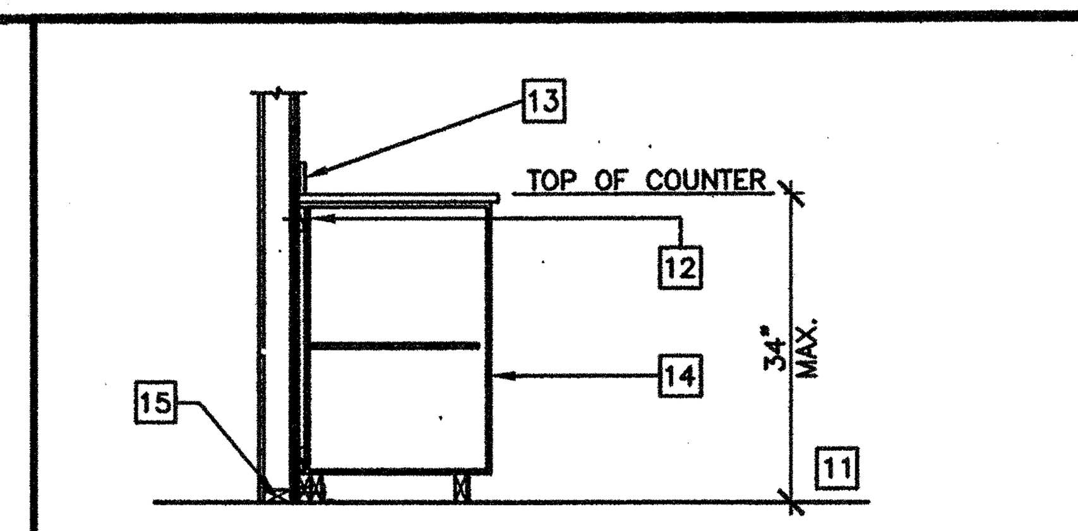
PROJECT NO. 4736

PC-04-104796



FLOOR PLAN 24x40

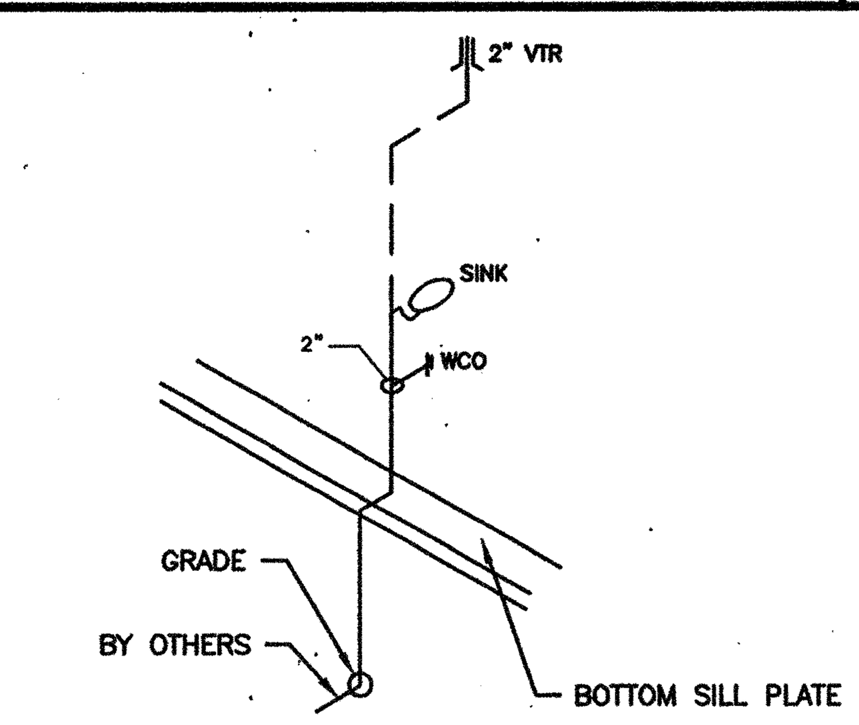
OPP-HAND SCALE: 1/4" = 1'-0"



NOTES:
1. SEE PLANS AND ELEVATIONS FOR EACH SPECIFIC DESIGN.
2. REMOVE TOE KICK AND BASE FOR ACCESSIBLE CONDITION
3. PROVIDE U SHAPED WIRE PULLS AT ALL ACCESSIBLE CASEWORK OR EQUAL.

SCALE: NTS (OPTIONAL)

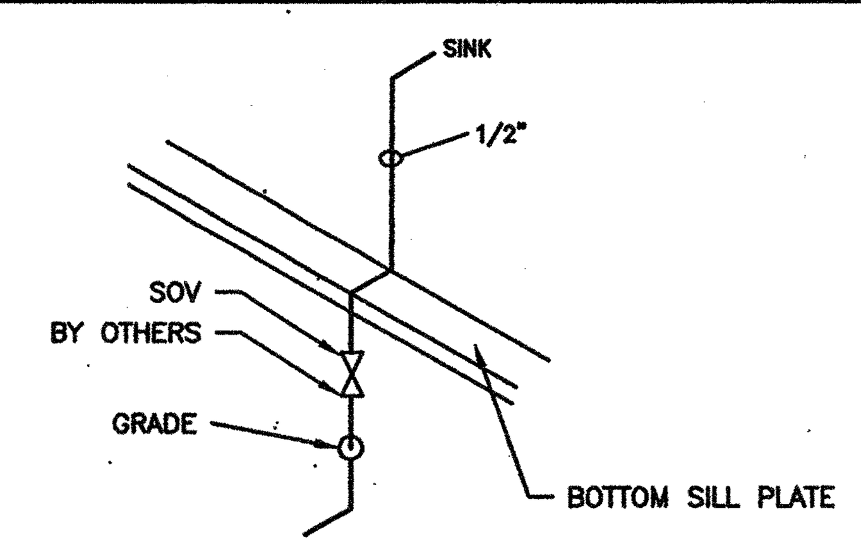
BASE CABINET ANCHORAGE 1



(OPTIONAL)

SCALE: NTS PIPE SHALL BE TYPE ABS

SINK CABINET WASTE 2



(OPTIONAL)

SCALE: NTS PIPE SHALL BE TYPE 'L' COPPER

SINK CABINET COLD WATER SUPPLY 3

KEY NOTES

1. ROOF OVERHANG
2. HVAC UNIT (HV)
3. 2 – 8'x4' PORCELAIN STEEL MARKER BOARDS (SEE SPEC'S FOR TYPE)
4. FINISH FLOORING (FIN)
5. INTERIOR FINISH (FIN)
6. FIRE EXTINGUISHER – 5 LBS DRY CHEMICAL WITH 2A-10BC UL RATING WALL MOUNTED BRACKET, HANDLE AT 48" AFF
7. MODLINE (M)
8. ELECTRICAL PANEL
9. RAMP/LANDING (RAMP) SEE RAMP DRAWINGS
10. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY, SEE A6.02
11. FINISH FLOOR
12. 4"x22 GA CONTINUOUS METAL STRAPS WITH #14 STSMS AT 24" OC
13. BACK SPLASH
14. BASE CABINET
15. BOTTOM PLATE
16. COLD WATER P.O.C. SEE DETAIL# 3
17. WASTE P.O.C. SEE DETAIL# 2
18. CLASSROOM SINK, TYP. SEE A5.02 SINK: CRAC-ADA-1725-A-GR FAUCET: CHICAGO 350. BUBBLER: JSB 10

(OPTIONAL)

NOTES

1. METAL TAG ON ALL MODULES. MECHANICALLY ATTACHED TO REAR EXTERIOR OF BUILDING SHOW D.S.A. APPLICATION NUMBER. MANUFACTURER'S NAME AND SERIAL NUMBER.
2. METAL TAG MIN. 3 1/2"X1 1/2" STAMPED METAL I.D. W/
   1. OPSC BUILDING NUMBER
   2. DESIGN WIND LOAD
   3. DESIGN ROOF LOAD
3. PROVIDE MIN. 3 1/2"X1 1/2" METAL TAG INSTALLED INSIDE THE ELECTRICAL PANEL SHOWING OPSC NUMBER AND DSA NUMBER.
3. BLDG. MANUFACTURER RO VERIFY W/ CUSTOMER IF SINK AND CABINET OPTION APPLIES.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 105455 DATE JUL 17 2003

FILE PATH:

PROJECT NO. 4736

PC-04-104796

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	PC Professional of Record Seal	Architects Seal
1, 2, 3, 4, 5			LICENSED ARCHITECT FRED VINCENT WALKER No. C-8638 12/31/03 RENEWAL DATE STATE OF CALIFORNIA	

PC CBC 2001 IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-04 104796

MODTECH INC.

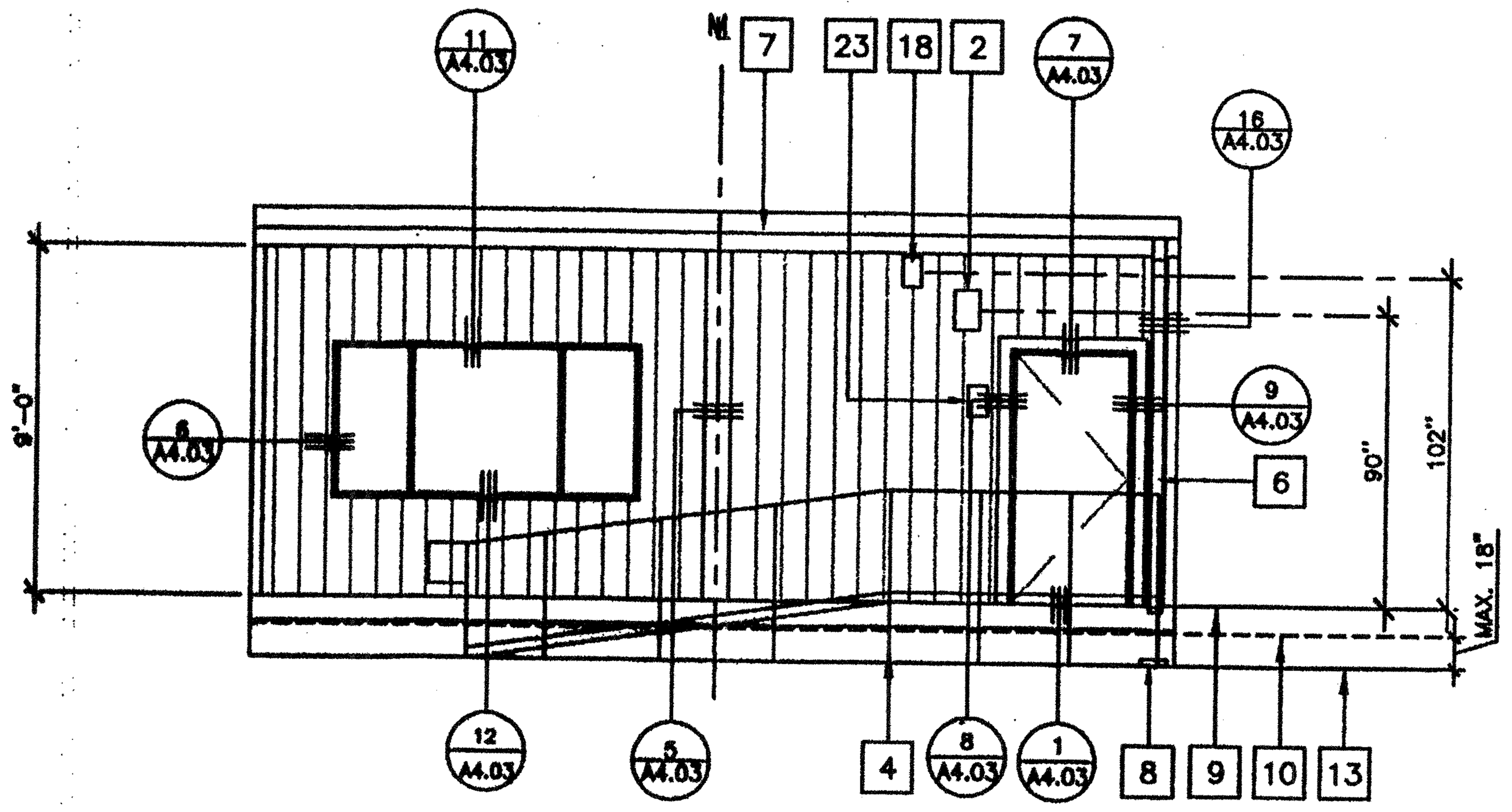
2830 BARRETT AVENUE FAX (909) 943-4014
PERRIS, CALIF. 92572 FAX (909) 940-0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

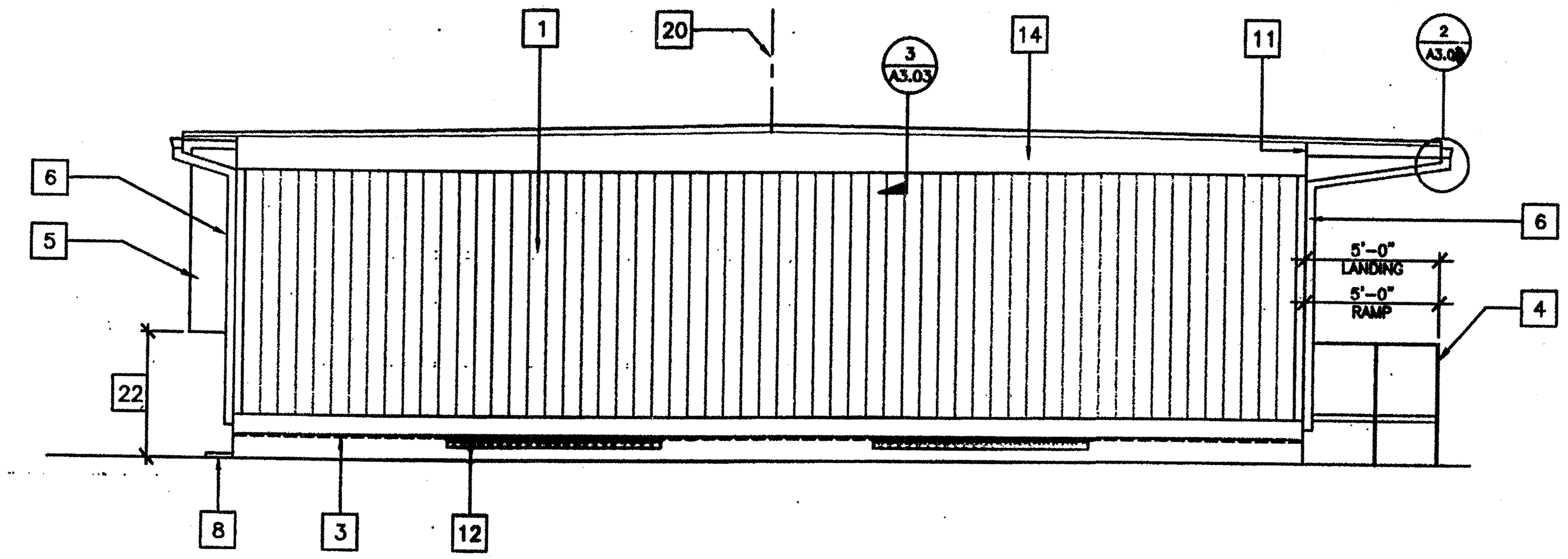
FLOOR PLAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:
MODTECH Index No.

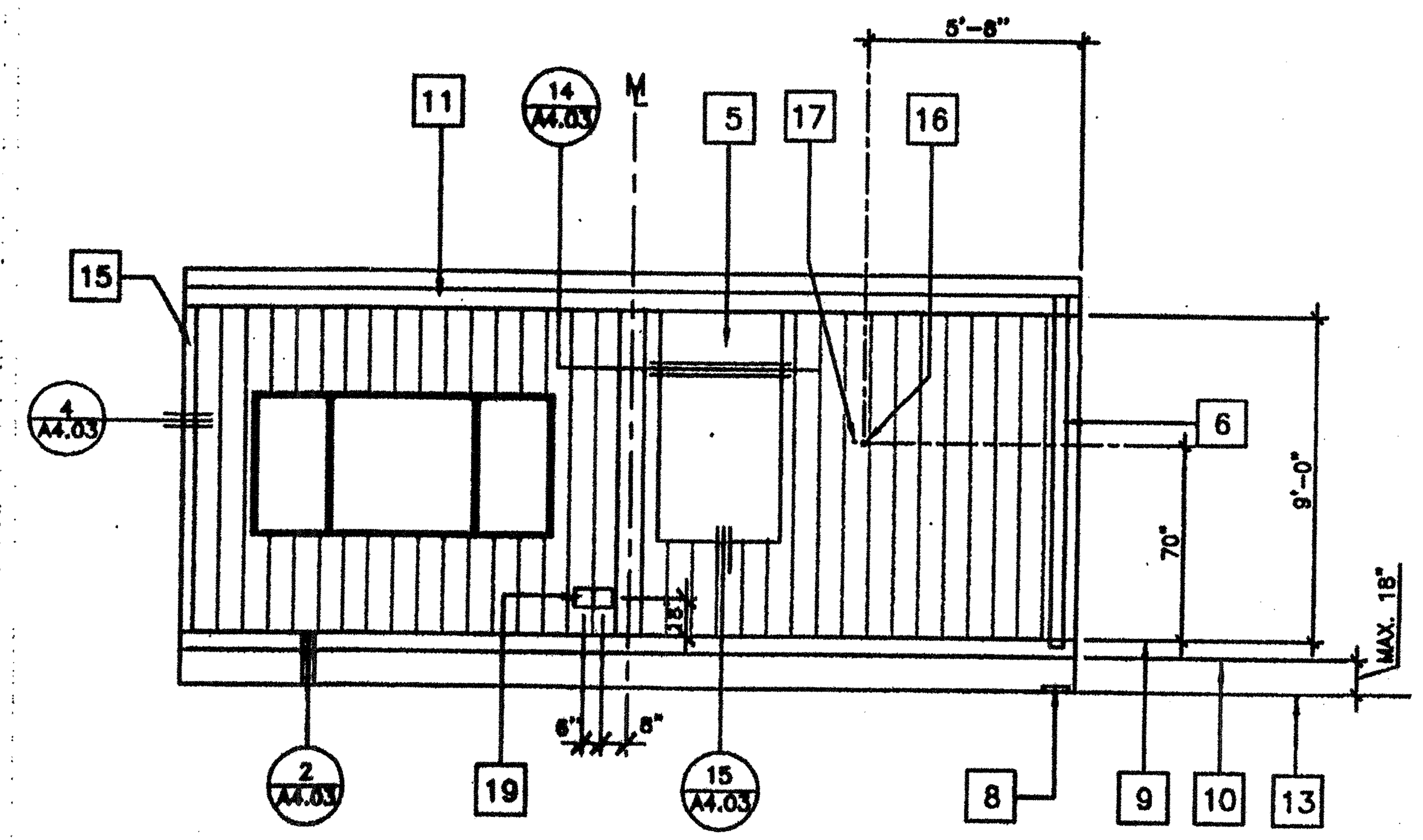
A1.1



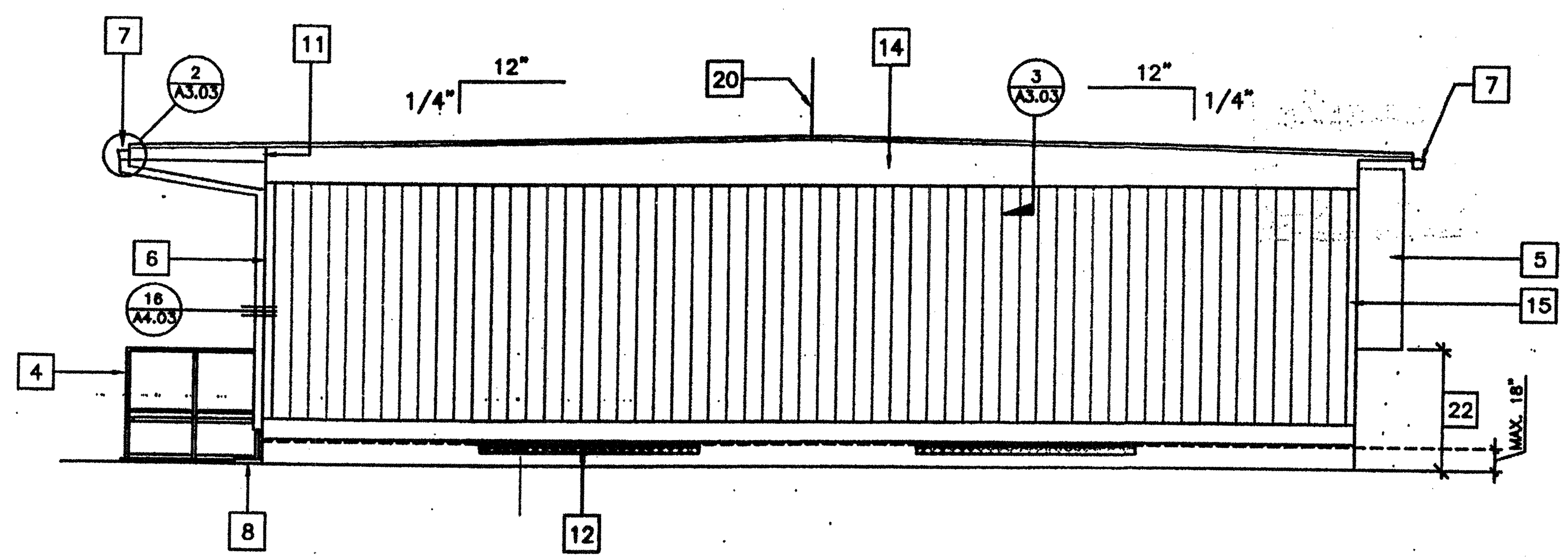
(1) FRONT ELEVATION
OPP-HAND
1/4" = 1'-0"



(2) LEFT ELEVATION
1/4" = 1'-0"



(3) REAR ELEVATION
OPP-HAND
1/4" = 1'-0"



(4) RIGHT ELEVATION
1/4" = 1'-0"

KEY NOTES

1. TYPICAL EXTERIOR SIDING (SEE A6.02)
2. EXTERIOR LIGHT FIXTURE (SEE SPEC'S)
3. TOP OF SKIRTING
4. RAMP AND LANDING (RAMP) SEE RAMP DRAWINGS
5. HVAC UNIT. SEE (HV)
6. DOWNSPOUT (TYP.) FOR (2). FASTEN TO BLD'G. TYP 3 PLACES (SEE 16/A4.03)
7. CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOWN ON ROOF PLAN) SEE A3.01
8. SPLASH BLOCK (BY OTHERS)
9. FINISH FLOOR LINE
10. BOTTOM FLANGE OF FLOOR BEAM
11. ROOF HEADER
12. VENT. SEE FOUNDATION PLAN
13. FINISH GRADE
14. ROOF BEAM SEE (STR)
15. COLUMN SEE (STR)
16. ELECTRICAL STUB-OUT SEE (EL)
17. GROUND STUB-OUT SEE (EL)
18. J BOX FOR EXT. FA HORN SEE (EL)
19. NEMA 6" X 6" GUTTER BOX SEE (EL)
20. RIDGE
21. NOT USED
22. IF HVAC UNIT IS LOCATED IN ANY PATH OF TRAVEL OR CIRCULATION AREA AND HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" THEN PROTECTION MUST BE PROVIDED BY DISTRICT PRIOR TO OCCUPANCY
23. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY. SEE SHEET A6.02

NOTES

1. SEE FOUNDATION PLAN FOR SIZE AND LOCATION OF UNDER FLOOR VENTS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105455
AC FLS SS
DATE JUL 1 7 2003

FILE PATH:

PROJECT NO. 4736

PC-04-104796

REVISIONS		
1		
2		
3		
4		
5		

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal

LICENSED ARCHITECT
No. C-24628
12/31/05
RENEWAL
STATE OF CALIFORNIA

Architects Seal

PC
CBC 2001
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104796
AC FLS SS
DATE

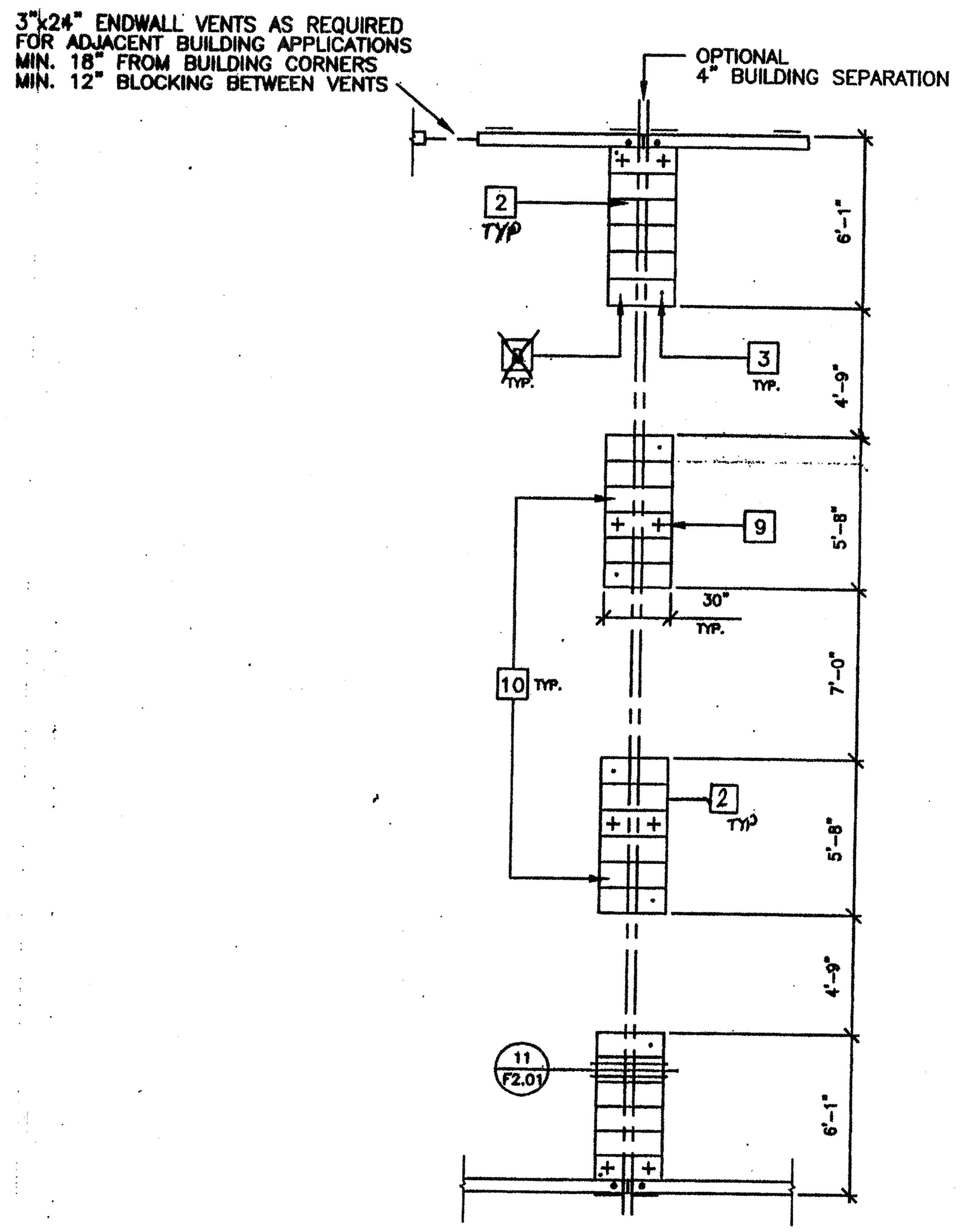
MODTECH™ INC.
2830 BARRETT AVENUE FAX (909) 943-4014
PERRIS, CALIF. 92572 FAX (909) 940-0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

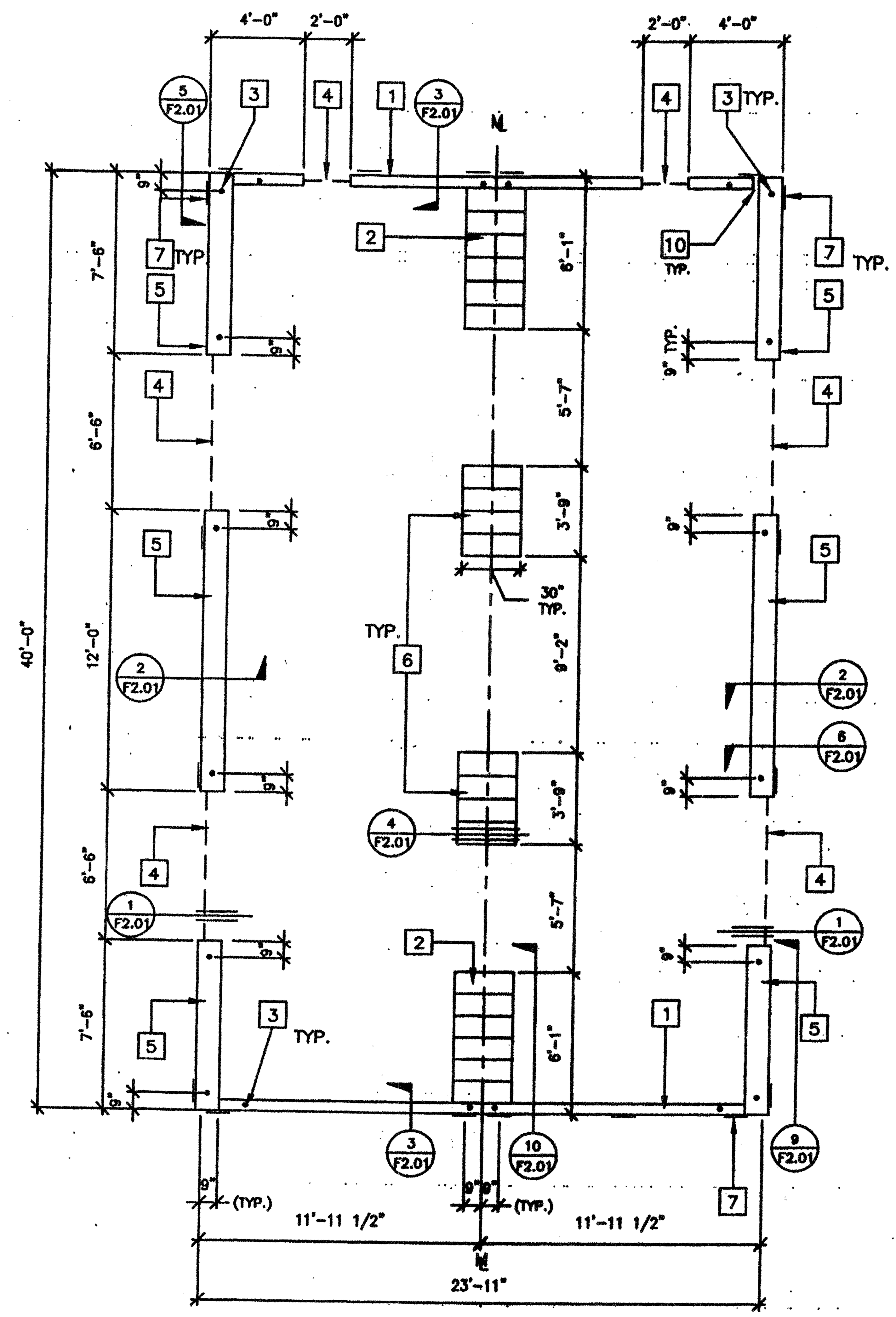
EXTERIOR ELEVATIONS W/ FASCIA

MODTECH Index No.
A4.01



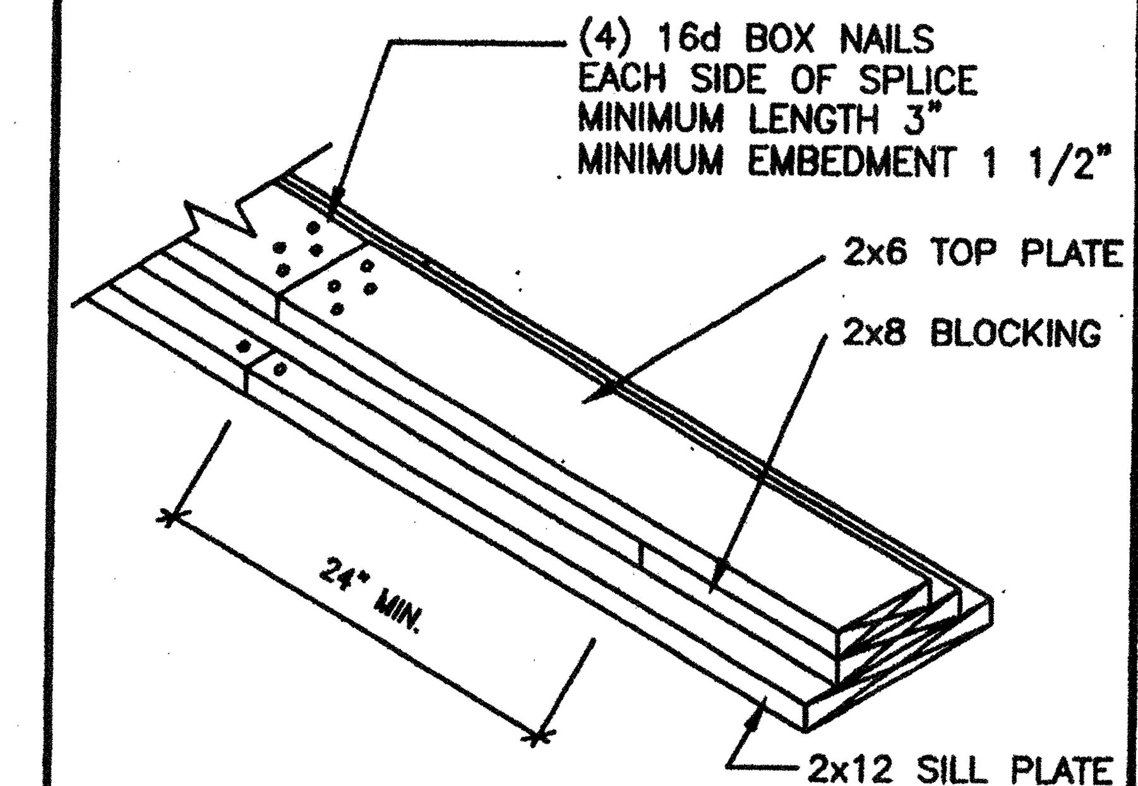
FOOTINGS AT ADJACENT BUILDING
(OPTIONAL 4" SEPARATION)

BUILDING CLOSURE AT 4" SEPARATION NOTES:
- FOR ROOF DETAIL AT ADJACENT BLDG SEE F/S2.0
- FOR WALL DETAIL AT ADJACENT BLDG SEE 17/S4.03 OR S4.03M



FOUNDATION - WOOD SILL 24' X 40' 50 PSF LL

SCALE 1/4" = 1'



IF ADDITIONAL PLATES ARE REQUIRED, ABOVE THE 2x6 TOP PLATES SHOWN, TOP PLATE SHOWN, USE 2x4 PLATES

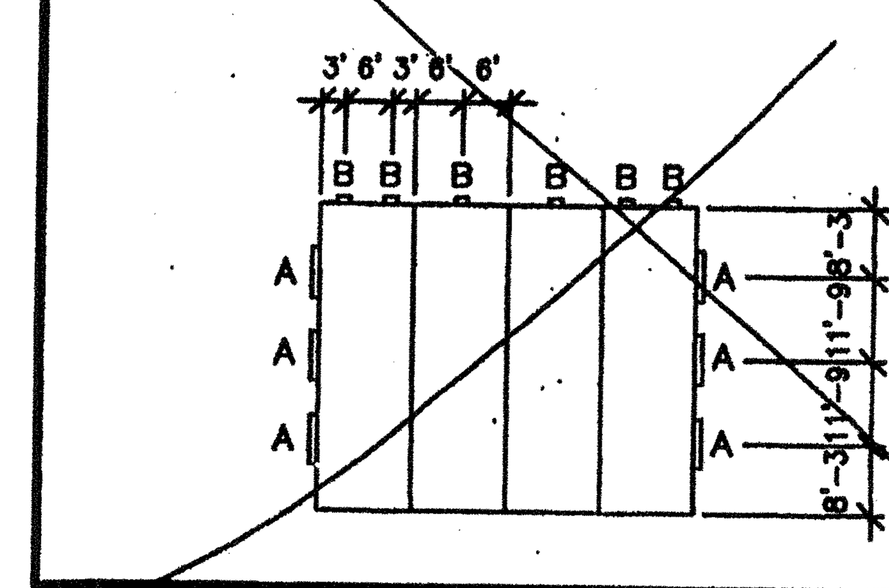
FOUNDATION SPLICE DETAIL 1

VENT CALCS.

BLD'G SIZE 24' X 40'= 960
VENTILATION REQ'D 960 ÷ 150= 6.4SF
3"X6'-6" VENT=1.625SF X 4 = 6.5SF
3"X2'-0" = 0.5 SF X 2 = 1.0 SF
TOTAL VENTING PROVIDED = 7.5 SF

24'x40' VENT CALCS 2

BLD'G SIZE 48' X 40'= 1920
VENTILATION REQ'D 1920 ÷150= 12.8SF
VENT A: 3"x6'-6" = 1.625SF x 6 = 9.725SF
VENT B: 3"x2'-0" = 0.5 SF x 6 = 3.0 SF
TOTAL VENTING PROVIDED = 12.72 SF OK



48'x40' VENT CALCS/KEY PLAN 3

KEY NOTES

1. 2"X6" SILL PLATE (END WALL)
2. 6- 2X12X30" LONG SILL PADS
3. PIPE TO GRADE (TYP.)
4. 3" HIGH BY 6'-6" LONG VENT AT SIDEWALLS 3" HIGH BY 2'-0" LONG VENT AT ENDWALLS
5. 2X12 SILL PLATE (SIDE WALL)
6. 4-2X12X30" LONG SILL PADS
7. 6"X12"X10 GA. PLATES 5 AT ENDWALL, 4 AT SIDEWALL
8. ~~TIE PLATE - 8,9/F2.0 AT 70 MPH WIND DESIGN LOAD: MIN (4) AT EACH ENDWALL, (3) AT EACH SIDEWALL. AT 80 MPH WIND DESIGN LOAD: MIN (5) AT EACH ENDWALL, (4) AT EACH SIDEWALL~~
9. 5/8" DIA x 4" LAGS
10. 2" CUTOUT OF SILL PLATE FOR DRAINAGE, FIELD TO LOCATE AT LOWEST CORNER OF FOUNDATION

NOTES

1. SILL RESTRAINT: ON A.C. PAVING AND ON SOIL 1" O.D. GALVANIZED PIPE AT 10'-0". 12" PENETRATION BELOW SURFACE VERTICALLY. DRILL SILL 1-1/4" MAX. PIPE MAY BE DRIVEN MA. OF 45° ANGLE TO VERTICAL. (18-1/2" LONG PIPE REQUIRED FOR PENETRATION AT 45° ANGLE
2. ON CONCRETE PAVING HILTI DS 82-P10 THRU SILL PLATE:
   END WALLS: 8" O.C.
   SIDE WALLS: 22 "O.C.
3. WHERE SHIM STOCK IS REQUIRED FOR LEVELING USE 1/4", 1/2" OR 3/4" THICK PLYWOOD SAME WIDTH AS BLOCK, P.T.
4. VERIFY DRAINAGE TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE WITH DISTRICT ARCHITECT SITE PLANS.
5. ALL FOUNDATION MATERIAL SHALL BE DOUGLAS FIR
   GROUND CONTACT: LP-22 (CCA .40)
   ABOVE GROUND: LP-2 (CCA .25)
6. ALLOWABLE SOIL BEARING: 1000 PSF
7. "MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO SECOND MEMBER, AND SHALL BE NOT LESS THAN THAN 3" IN OVERALL LENGTH"

   THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.
8. FOR FOUNDATIONS USING (4) PLATES, USE SHEET F2.01 FOR DETAILS IN LIEU OF SHEET F2.0

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 105455 JUL 17 2003

JUL 10 2003

FILE PATH: --

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CBC 2001

REVISIONS

Electrical Engineer's Seal | Mechanical Engineer's Seal | PC Professional of Record Seal | Architects Seal

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-04 104796

MODTECH INC.
2830 BARRETT AVENUE PERRIS, CALIF. 92571
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4736

WILLIAM SCOTTSMAN

DRAWN BY: GL DATE: 07/07/03
CHECKED BY: DATE:

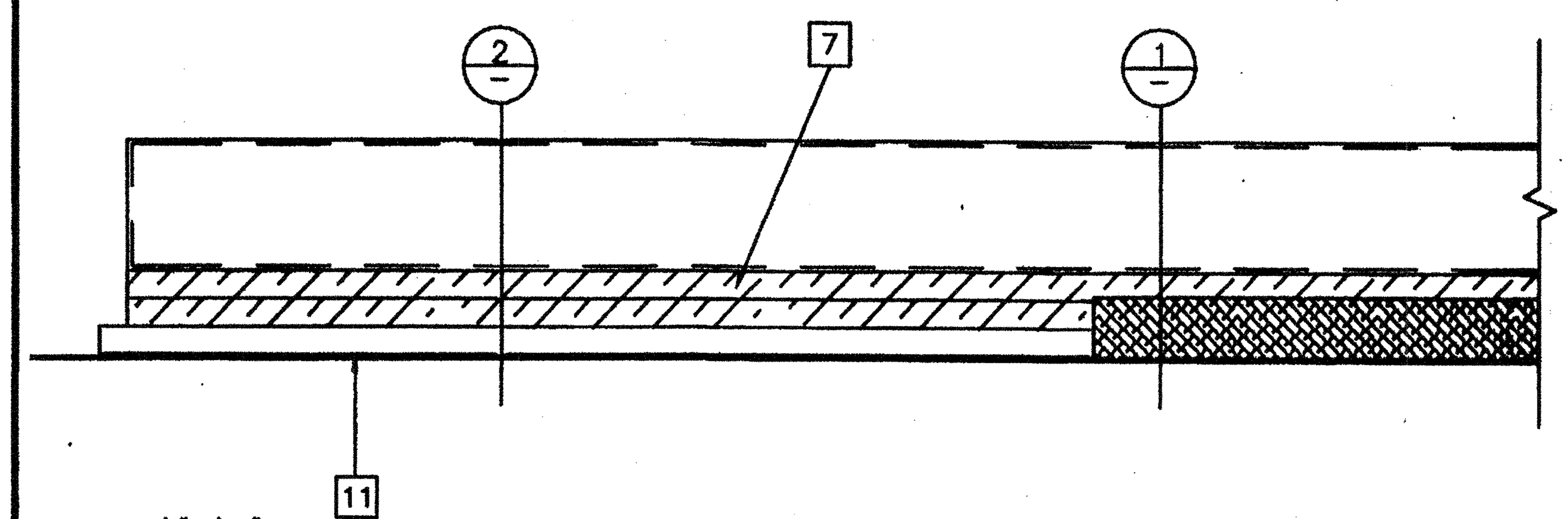
MODTECH Index No.

FOUNDATION PLAN

F1.01

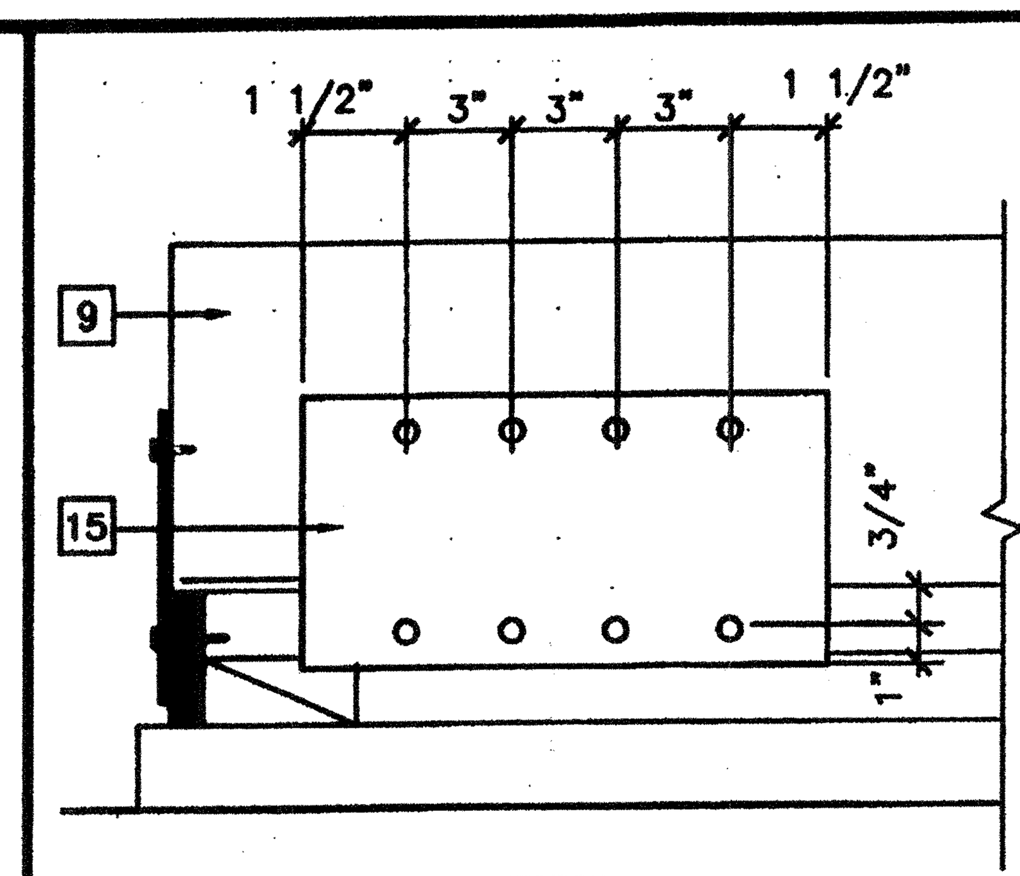
PROJECT NO. 4736

PC-04-104796



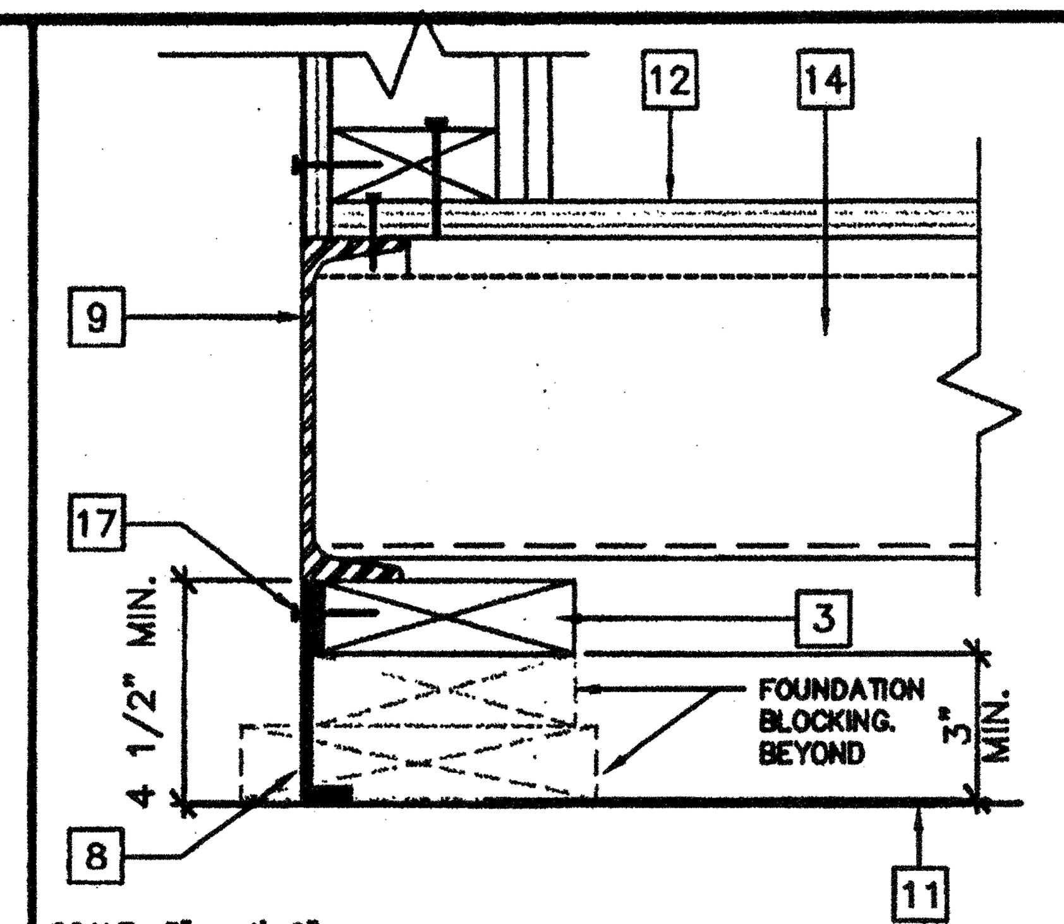
SCALE: 1 1/2"=1'-0"

FOUNDATION ELEVATION — AT SIDE WALL — 9



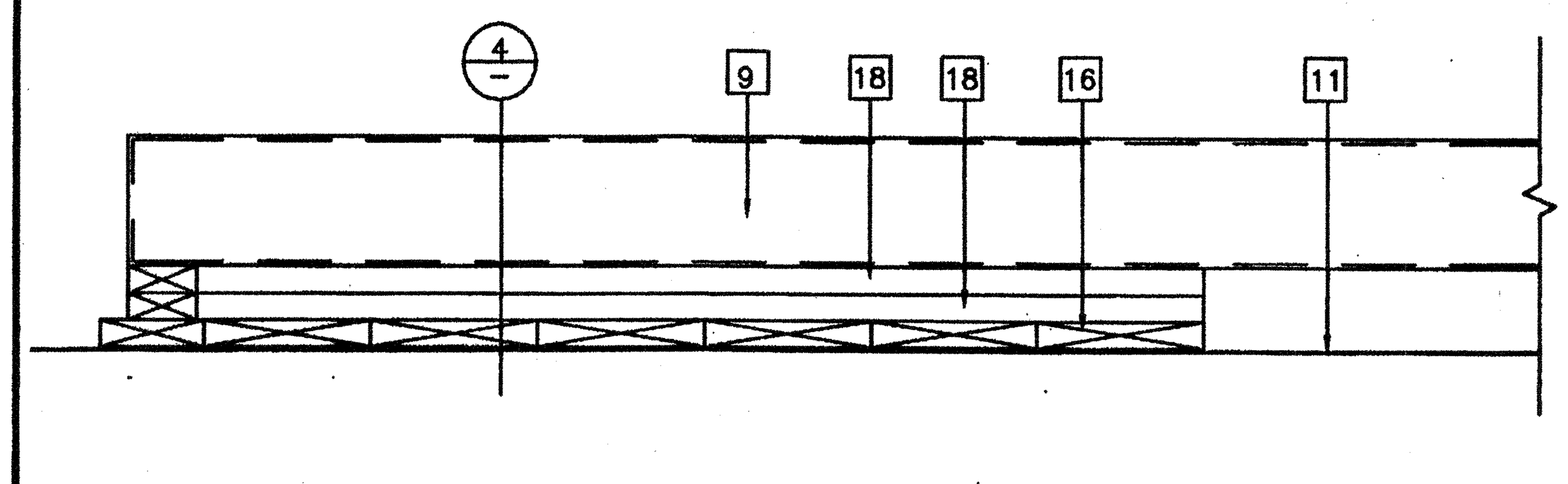
SEE DET 7 FOR ALTERNATE CONNECTION
SCALE: 3" = 1'-0"
view of side wall

TIE PLATE — ELEVATION — 5



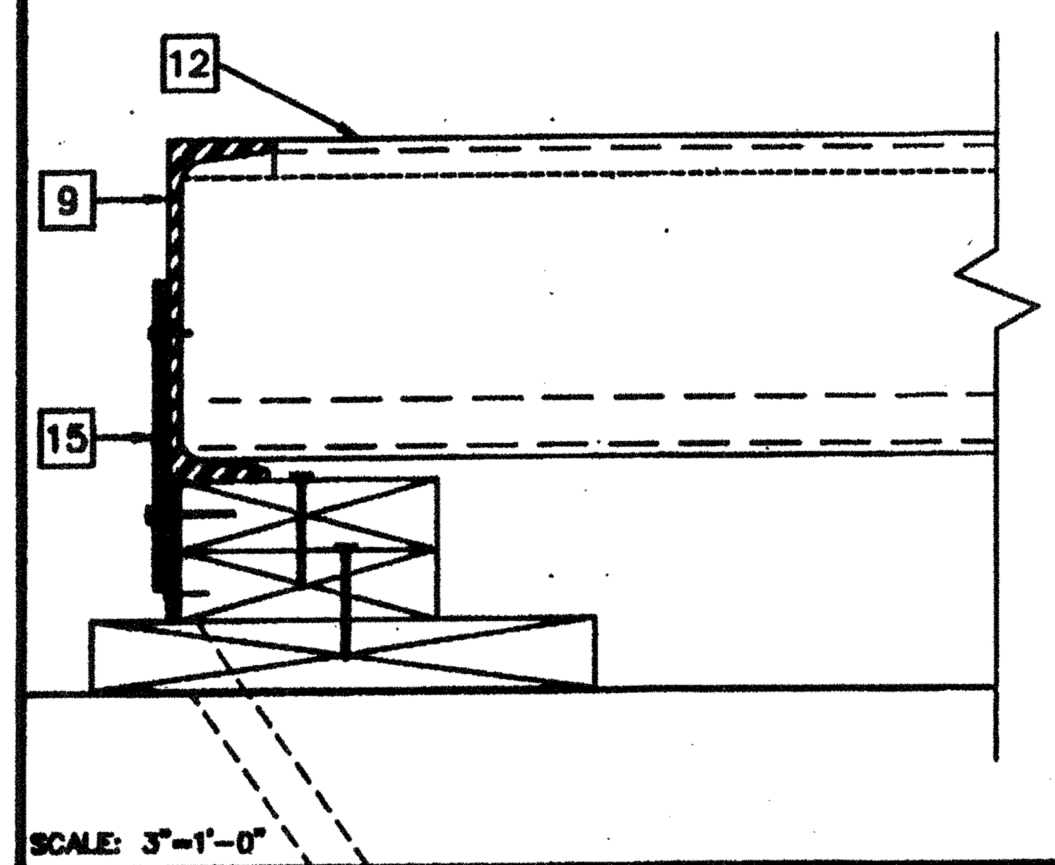
SCALE: 3" = 1'-0"

FOUNDATION VENT — 1



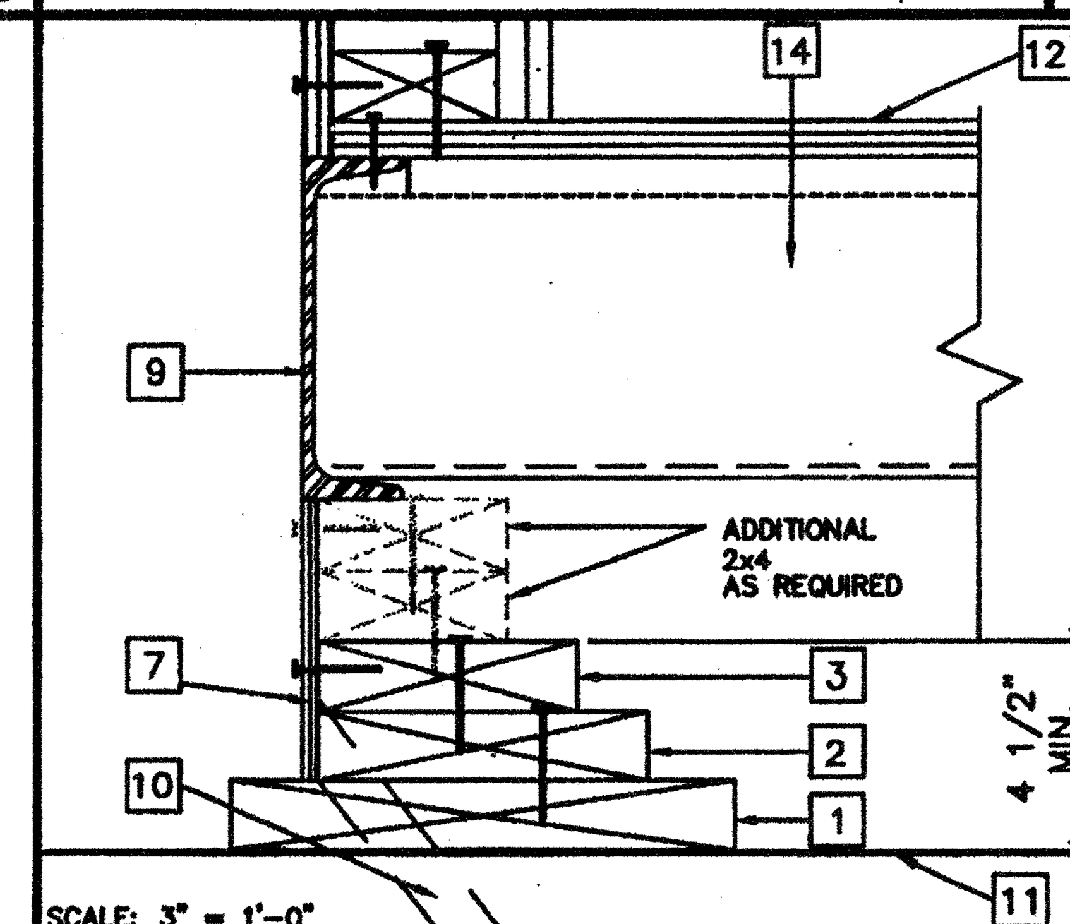
SCALE: 1 1/2"=1'-0"

MODLINE PAD ELEVATION — AT END WALL — 10



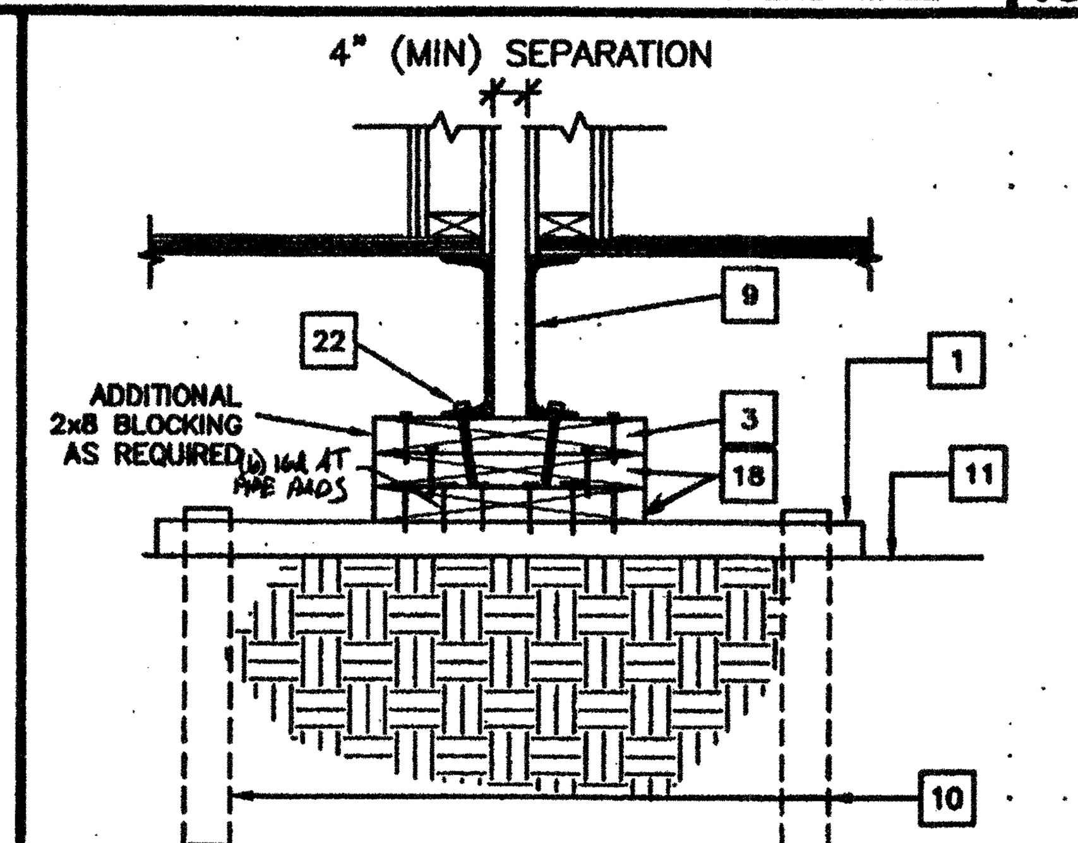
SCALE: 3"=1'-0"

TIE PLATE — SECTION — 6



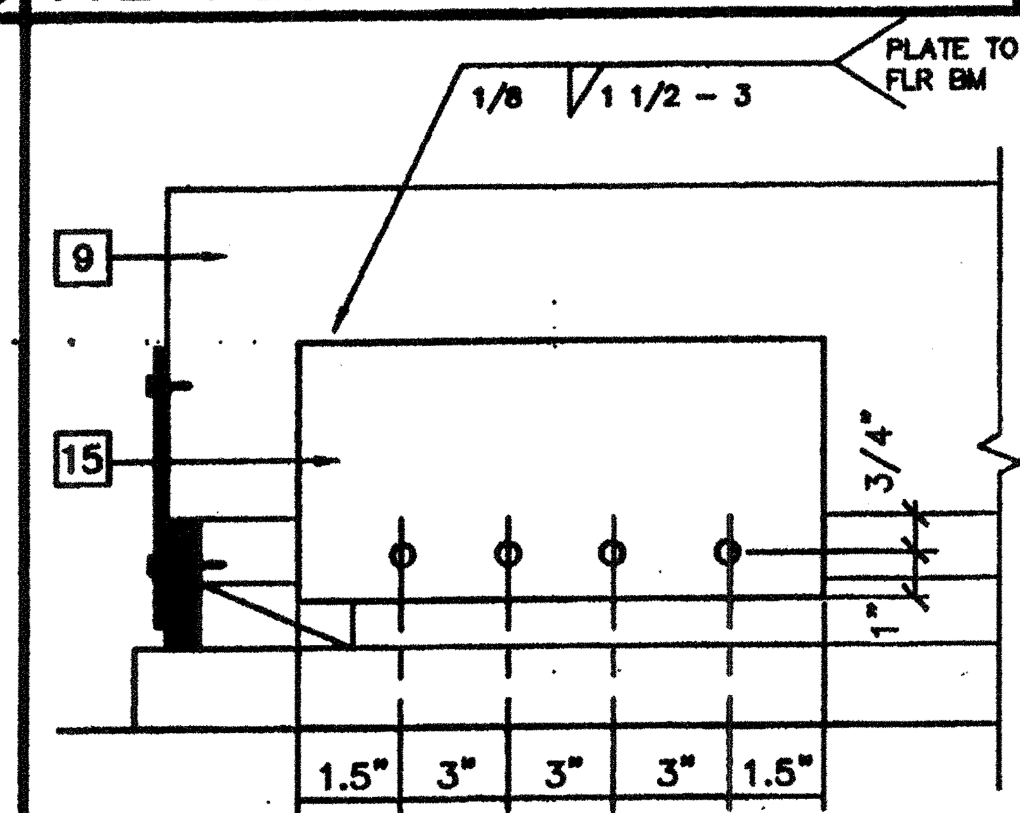
SCALE: 3" = 1'-0"

FOUNDATION — AT SIDE WALL — 2



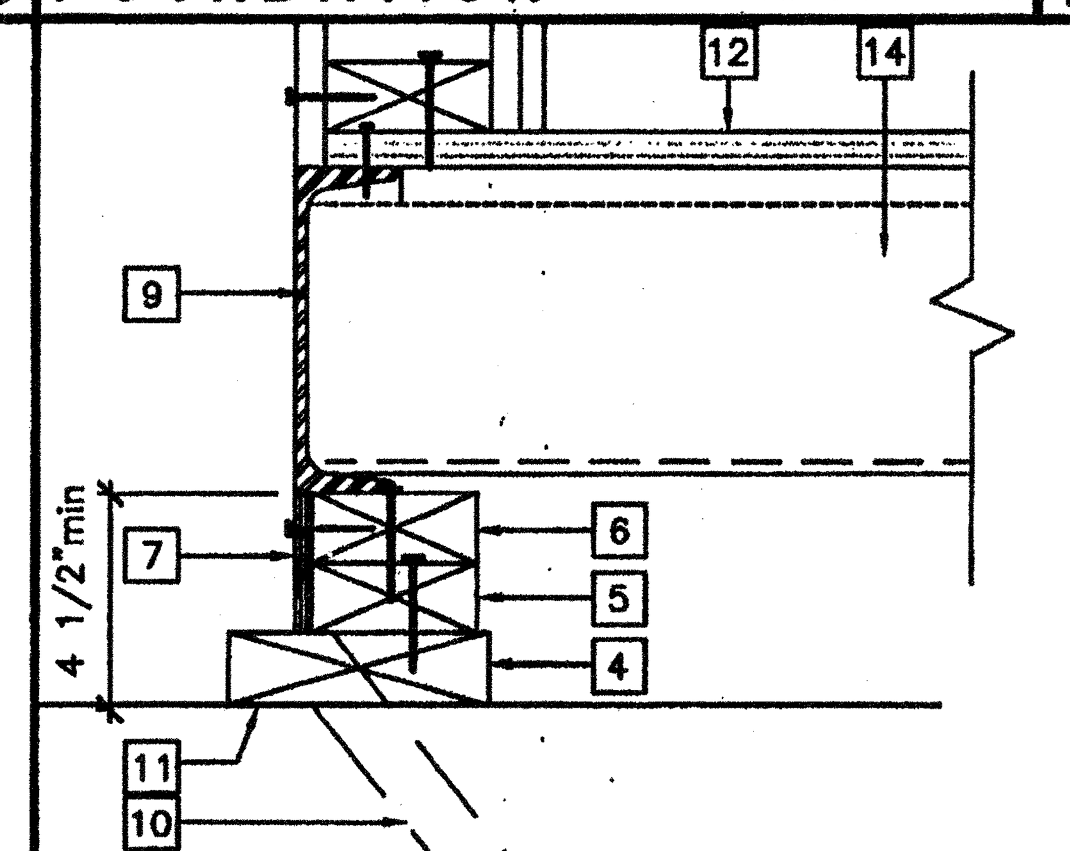
SCALE: 1 1/2"=1'-0"
OPTIONAL

FOUNDATION AT ADJACENT BUILDING — 11



SCALE: 1 1/2"=1'-0"
view of side wall

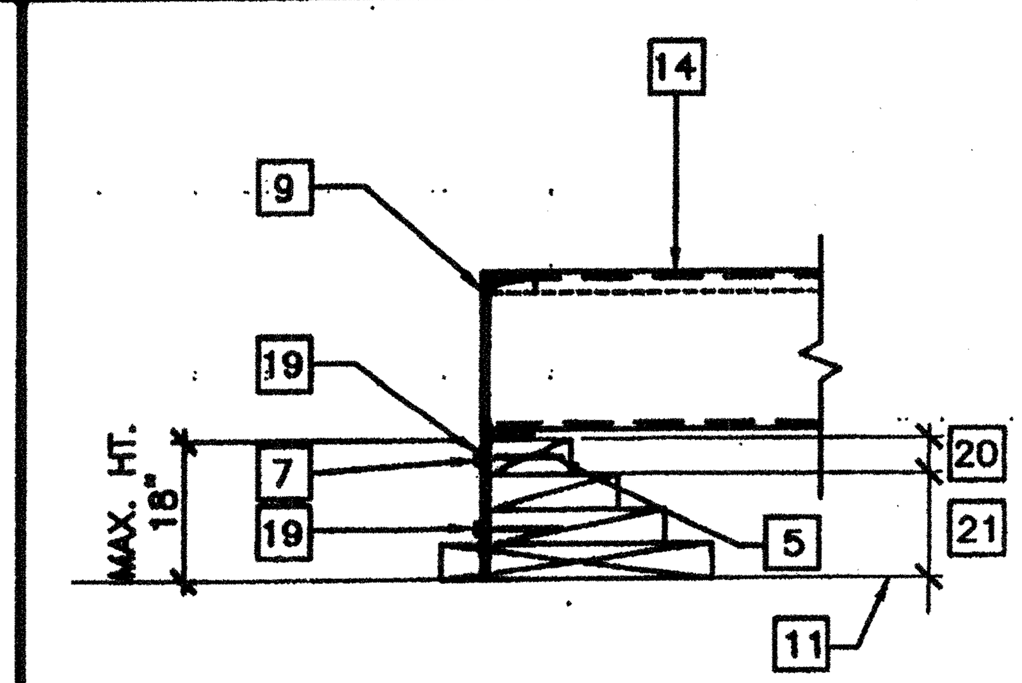
TIE PLATE — WELD ALTERNATE — 7



SCALE: 3"=1'-0"

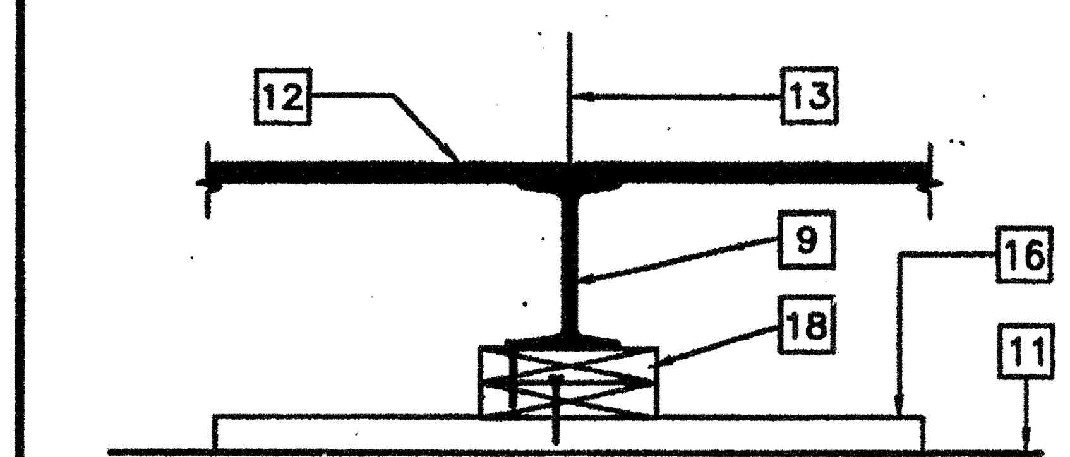
FOUNDATION — AT END WALL — 3

PC
CBC 2001



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

ADD BLK'S/SHIMS TO LEVEL FOUN. — 8



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

FOUNDATION PAD AT MODLINE — 4

KEY NOTES

1. 2x12 PT CONTINUOUS SILL PLATE – SEE FOUNDATION SCHEDULE
2. 2x8 BLOCKING. FACE OR TOE NAIL 16d GALV. BOX NAILS AT 5" O.C. TO SILL PLATE (H.D.G.)
3. 2x6 CONT. TOP PLATE. FACE OR TOE NAIL 16d GALV. BOX NAILS AT 12" OC TO BLOCKING. OMIT NAILS AT VENT OPENING (H.D.G.)
4. 2x6 PT SILL PLATE
5. 2x4 BLOCKING. FACE OR TOE NAIL 16d GALV BOX NAILS TO BLOCKING AT 12" OC (H.D.G.)
6. 2x4 CONT. TOP PLATE. FACE OR TOE NAIL 16d GALV. BOX NAILS AT 12" OC TO BLOCKING (H.D.G.)
7. MINIMUM 5/8" PLYWOOD SKIRTING W/10d GALV BOX NAILS AT 4" O.C. END WALL EN AND 6" OC SIDE WALL EN AND TYPICAL 12" OC FN. (H.D.G.)
8. VENT:24x40= 960 SF / A50 = 6.4 SF REQD. 3"x 6'-6" = 1.3x4 = 6.5 SF > 6.4 SF OK
9. PERIMETER FLOOR BEAM/ HEADER STR
10. SILL RESTRAINT. SEE NOTE 1 / F1.01
11. FINISH GRADE
12. PLYWOOD SUB FLOOR
13. MODLINE
14. FLOOR JOIST STR
15. 6x12 x10 GA PLATE W/4– 1/4" DIA. SMS TO BEAM AND 4–1/4" DIA LAG SCREWS TO TOP PLATE. FOR ALTERNATE WELD ~~SEE 9/F2.0 — PAINTED~~
16. 2x12 x 2'-6" SILL PADS. SEE FOUNDTION PLAN FOR QUANTITY
17. 10d GALV BOX NAILS AT 4" OC OVER VENTS (H.D.G.)
18. 2x8 CONT TOP PLATE/ BLOCKING W/ 16d GALV BOX NAILS AT 12" OC (H.D.G.)
19. EN SEE NOTE #7
20. ADD BLOCKING OR SHIMS AS REQ. TO MAX. HT. SEE DETAIL #2 & #8
21. MIN. FOUNDATION HEIGHT. SEE DETAIL #2
22. 5/8" DIA x 4" LAGS (FOR LOCATION SEE PLAN)

H.D.G. = HOT DIP GALVANIZED

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OFFICE OF REGULATION SERVICES
04 105455
AC FLS SS
DATE JUL 17 2003

04 1 34
JUL 10 2003

FILE PATH: --

PROJECT NO. 4736
PC-04-104796

REVISIONS

Electrical Engineer's Seal | Mechanical Engineer's Seal | PC Professional of Record Seal | Architects Seal

LICENSED ARCHITECT — 12/31/03 — STATE OF CALIFORNIA

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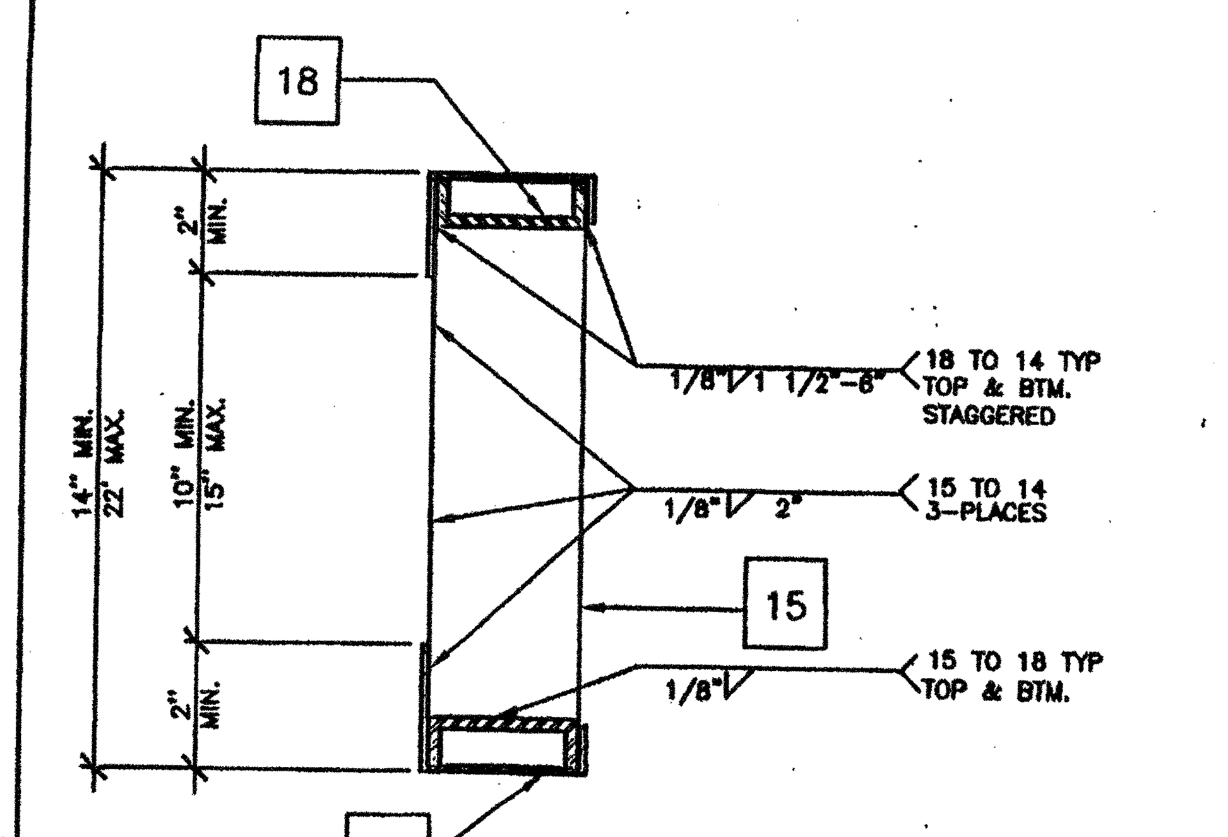
PC-04
104796
AC FLS SS
DATE

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92571
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

FOUNDATION PLAN w/ 3 PLATES

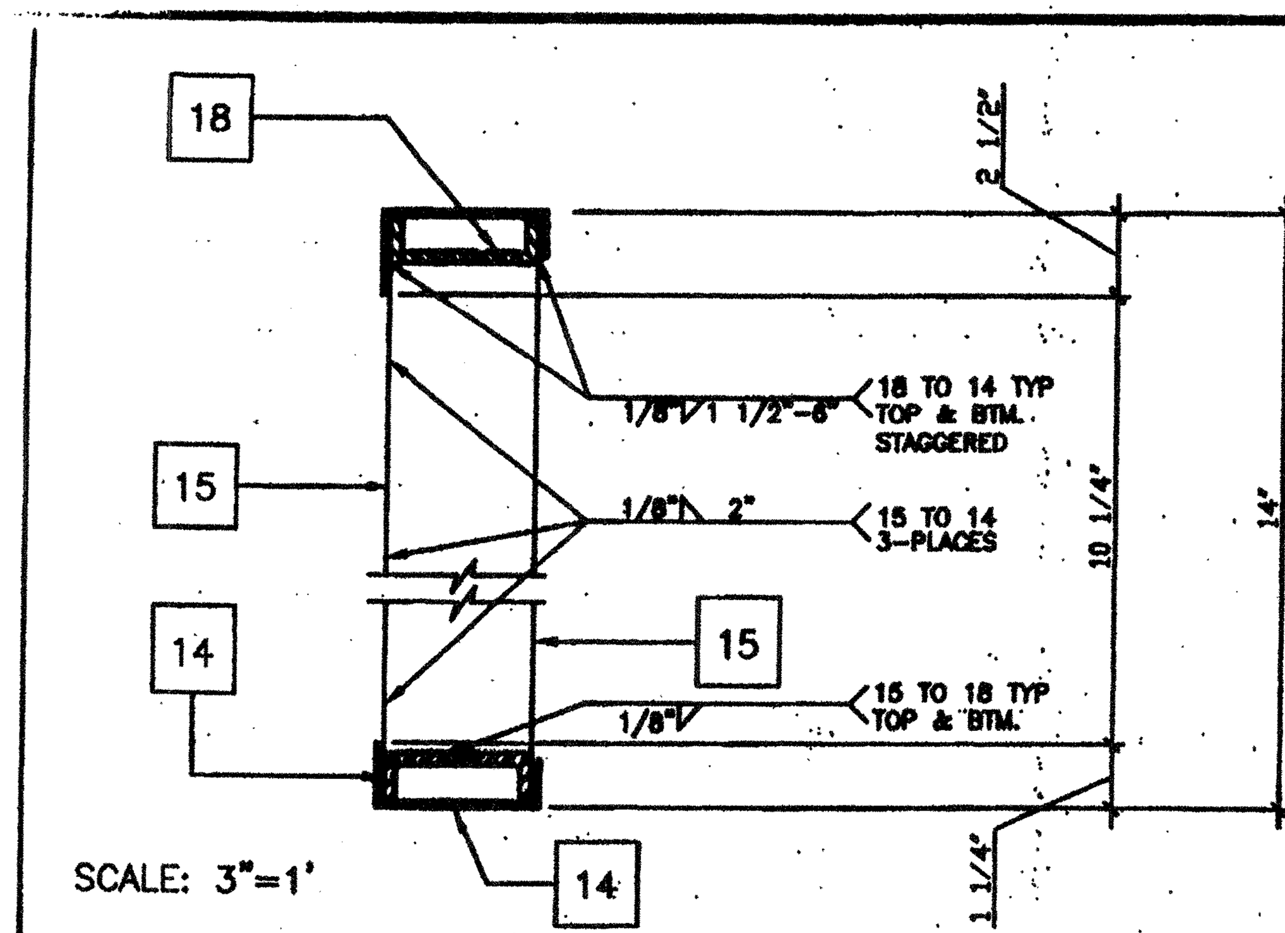
DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:
MODTECH Index No.
F2.01



SCALE: 3"=1'

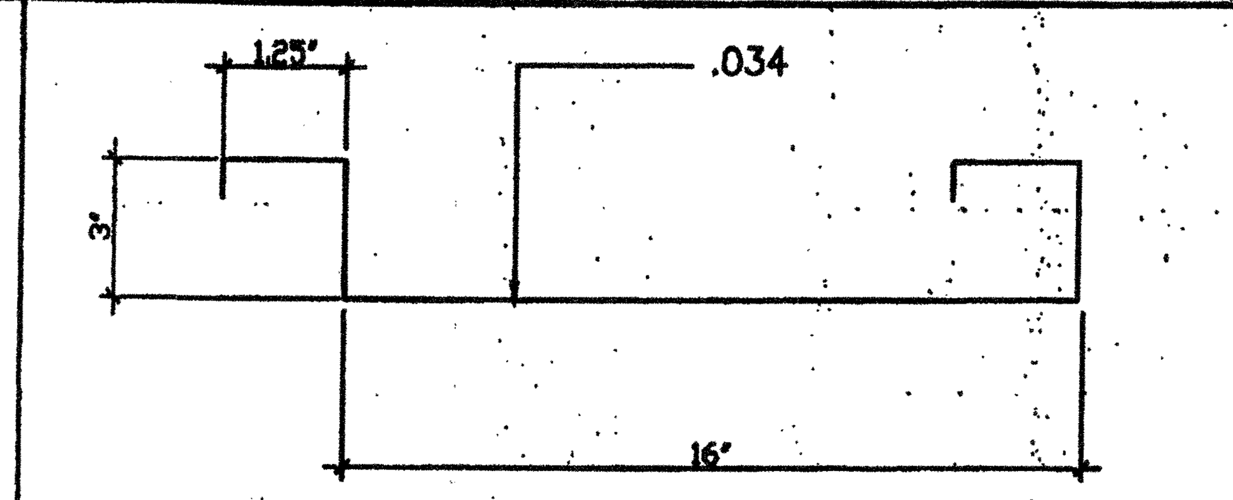
SEE MECH. PLAN FOR LOCATION

MECH. DUCT OPENING IN ROOF BM. 8



SCALE: 3"=1'

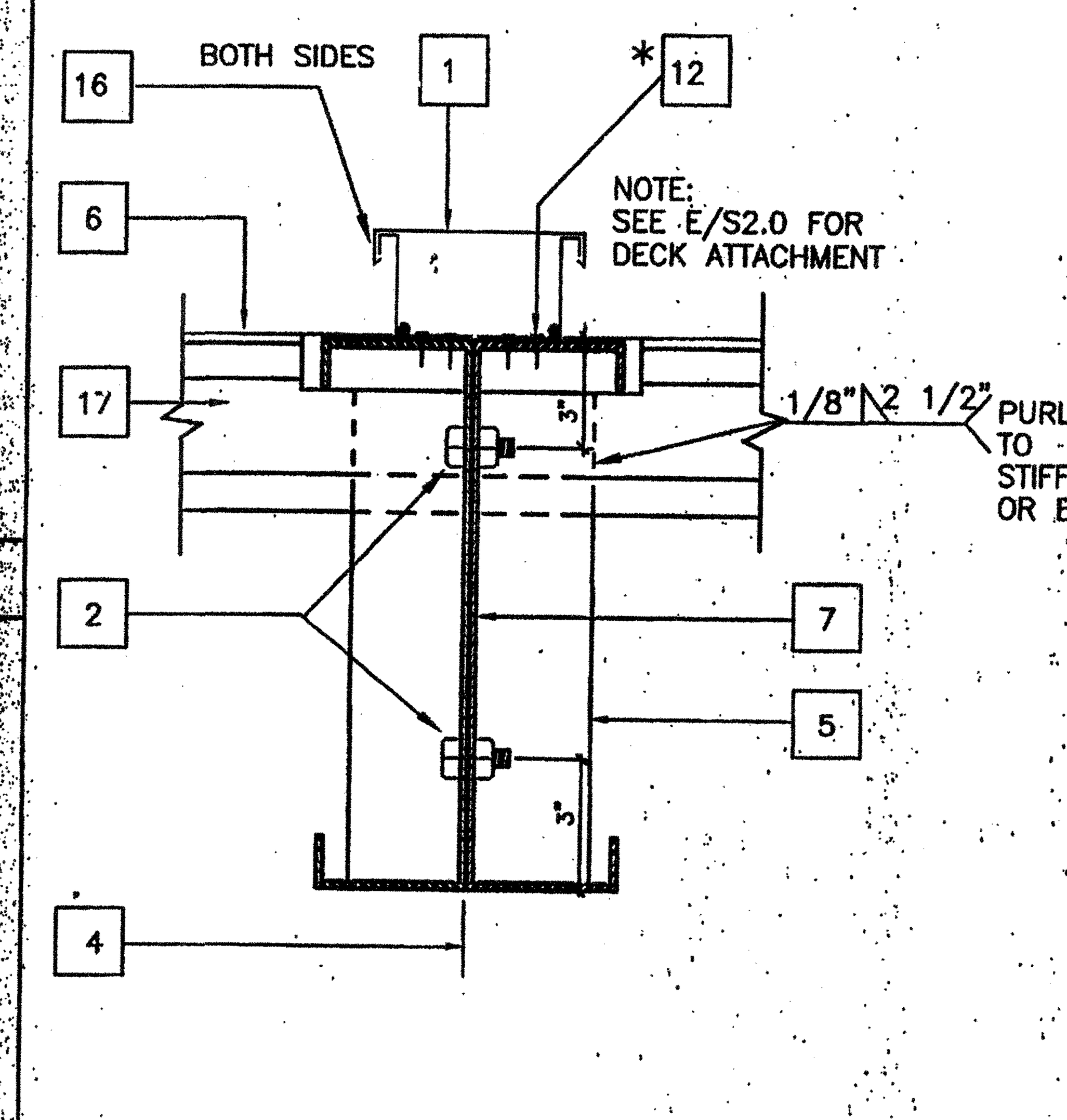
MECH. DUCT OPENING IN HEADER 4



Sx(MIN) = 0.296 IN3 Sx(MAX) = 0.33 IN3
Ix(MIN) = 0.446 IN4 Ix(MAX) = 0.603 IN4

SCALE: NTS

ROOF PAN (22GA.) 5

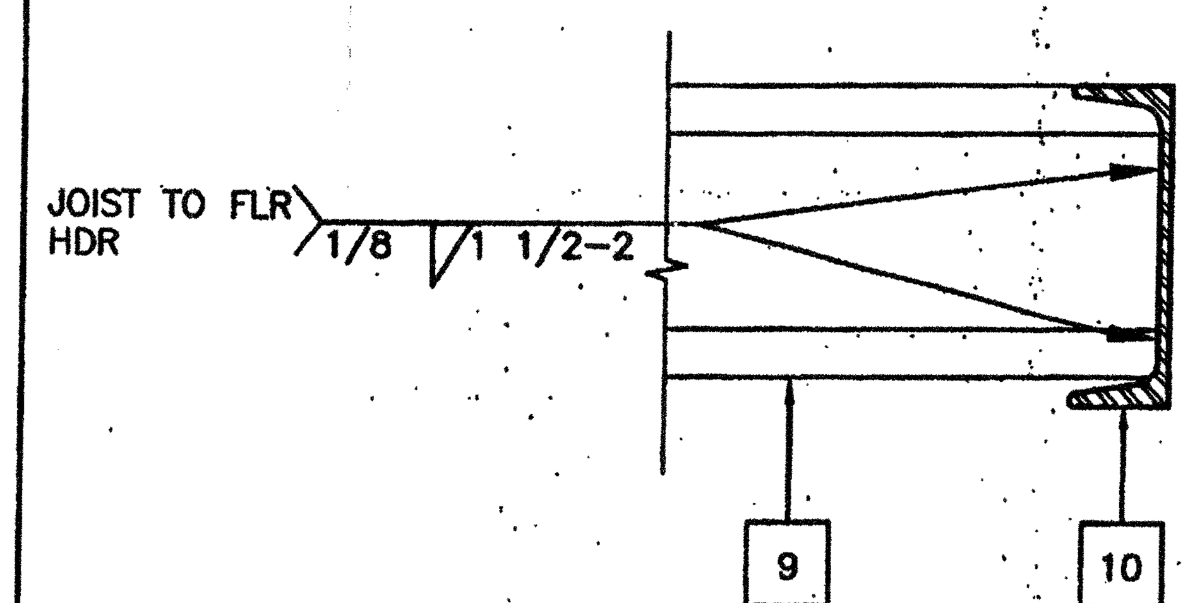


SEE 9/S2.2 FOR TYP. WELD STIFFENER TO BEAM

*DO NOT PENETRATE METAL ROOF DECK

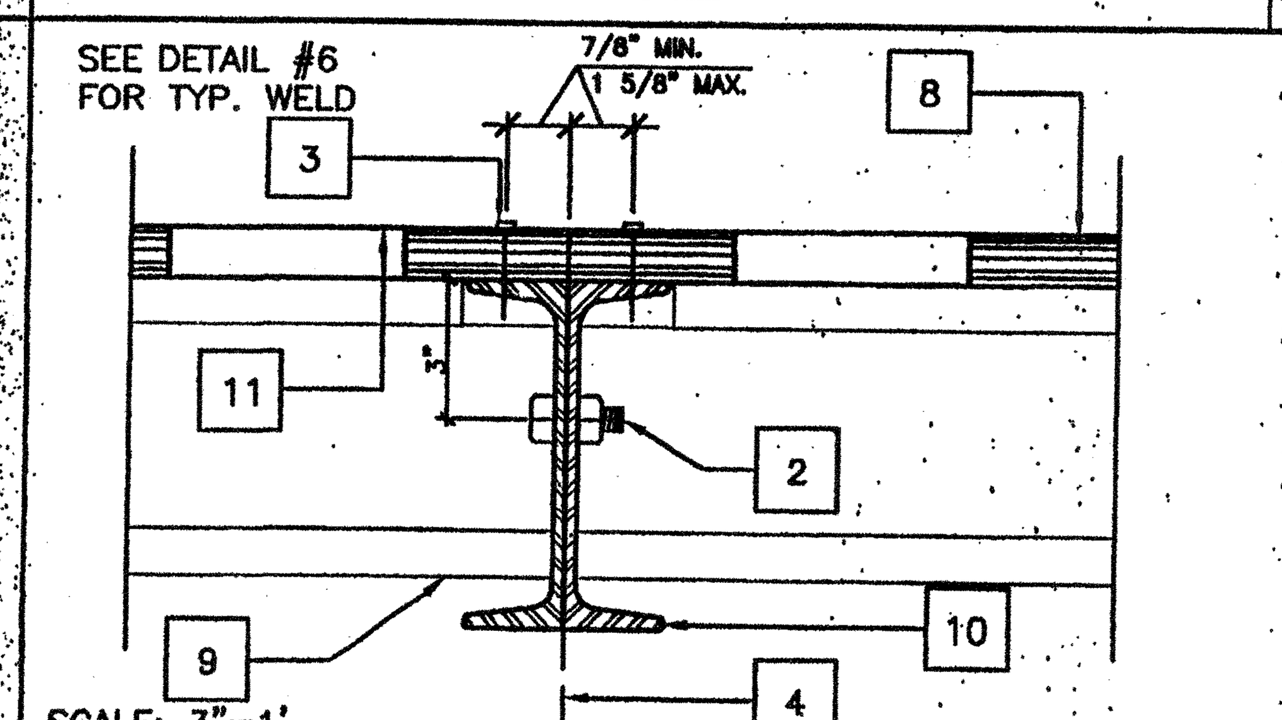
SCALE: 3"=1'

ROOFING • MODLINE 1



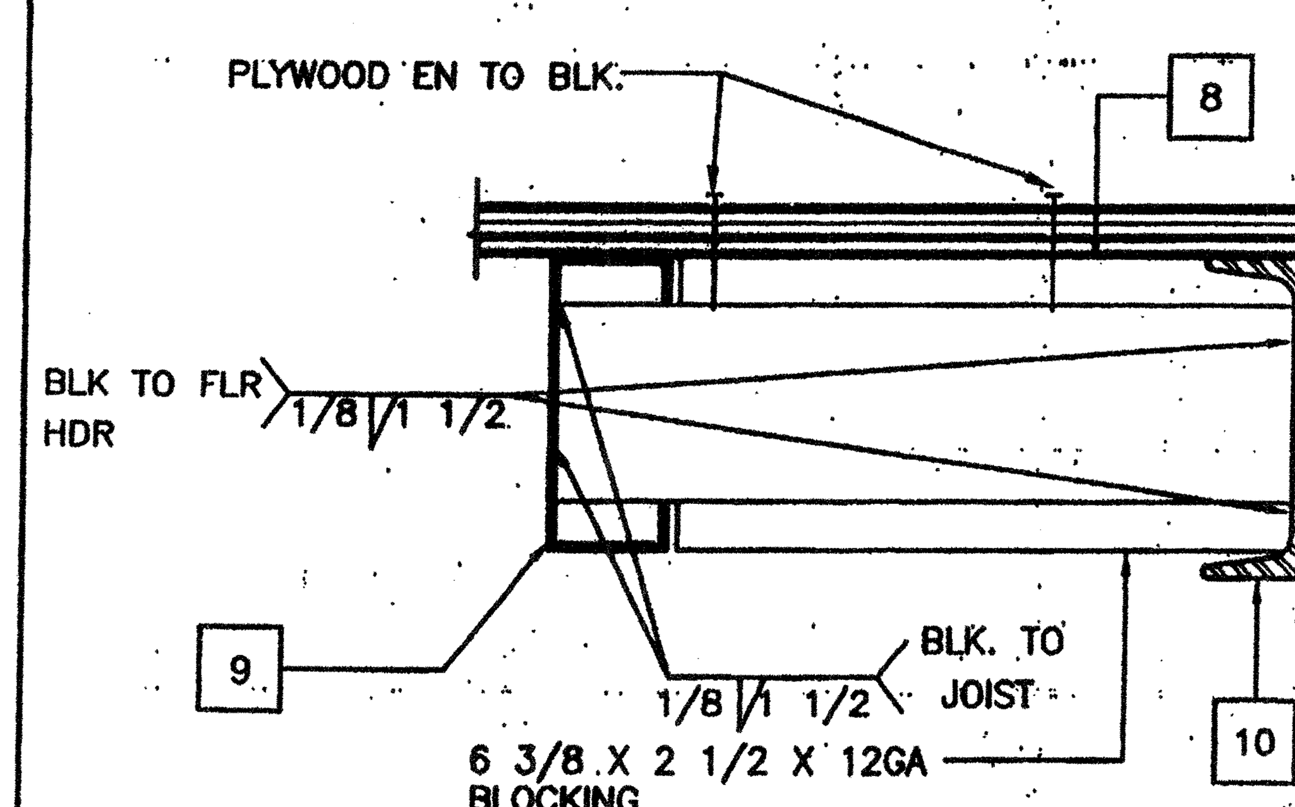
SCALE: 3"=1'

FLOOR FRAME/JOIST TO BEAM 6



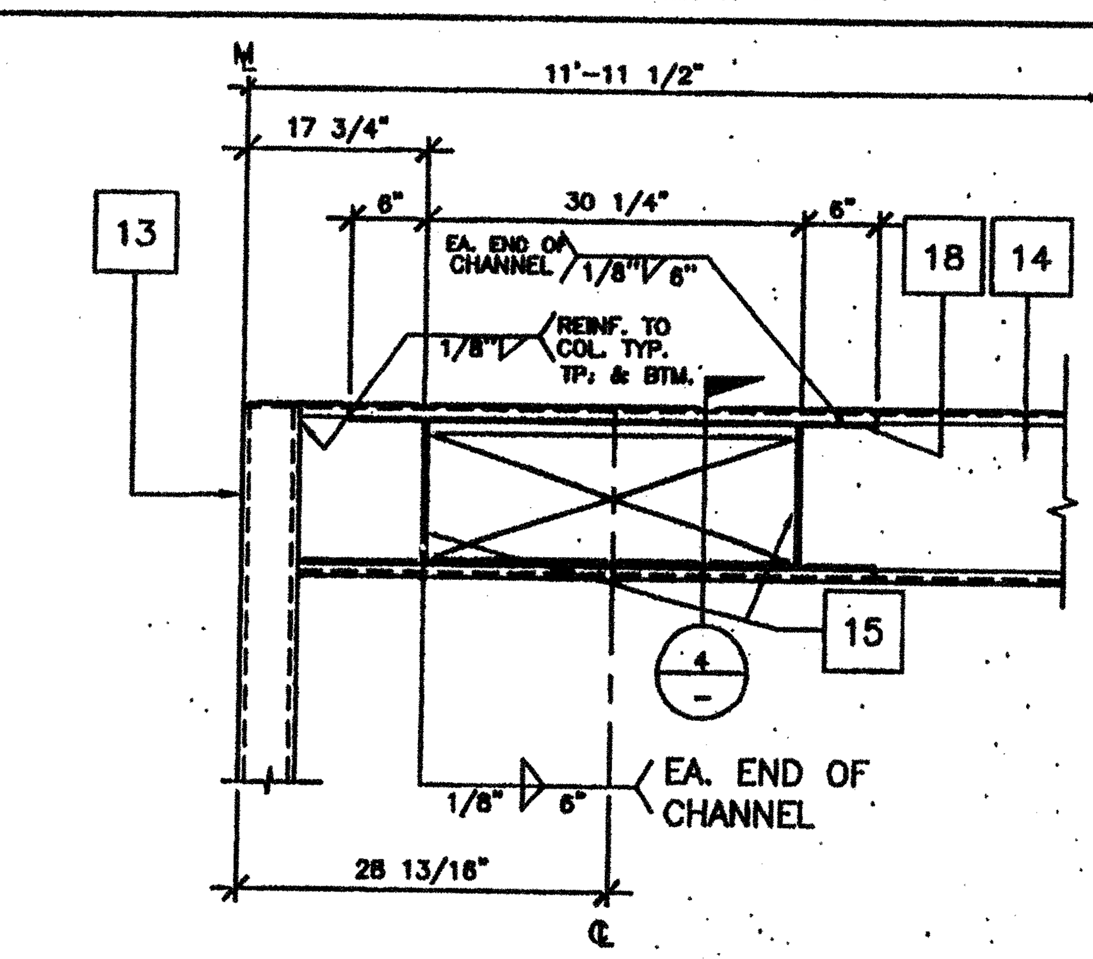
SCALE: 3"=1'

MODULE JOINT AT FLR. 12'-0" 2



SCALE: 3"=1'

10 BLOCK AT MIDSPAN 7



SCALE: 1"=1'

ELEVATION-OPENING 3

KEY NOTES

1. CAP CLOSURE AT RIDGE 26GA. GALV. W/#10 TYPE FASTENERS W/NEOPRENE WASHERS TO RIB BOTH SIDES OF MODLINE. SET CAP IN SEALANT. BOTH SIDES.
2. 5/8" M.B. A307 MODULE JOINT (SEE STRUCTURAL PLAN FOR LOCATION) AT 8" O.C.
3. E.N.
4. MODULE JOINT
5. 14" THK X 3" FULL DEPTH STIFFENER PLATE AT RIDGE ONLY (SEE 9/S2.2)
6. STANDING ROOF SEAM (SEE A2.0)
7. ROOF BEAM SEE 1/S2.2 & 7/S2.2
8. PLYWOOD FLOOR SHEATHING
9. FLOOR JOIST SEE 6/S2.2
10. FLOOR BEAM SEE 5/S2.2
11. HAND HOLE AT BOLT LOCATION
12. #14 STSMS.
13. 3 1/2"X3 1/2"X1/4" STEEL TUBE COLUMN. SEE 12/S2.2
14. ROOF HEADER SEE 3/S2.2
15. 1/4" STIFFENER PLATE SEE 9/S2.2 FOR TYP. WELD
16. SEALANT
17. ROOF PURLIN SEE 2/S2.2
18. 3 1/4" X 1" X 45 11/16" LG X 10GA CHANNEL TOP AND BOTTOM OF OPENING

FILE PATH:

REVISIONS

Electrical Engineer's Seal | Mechanical Engineer's Seal | PC Professional of Record Seal | Architects Seal

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

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL DATE: 07/07/03
CHECKED BY: DATE:

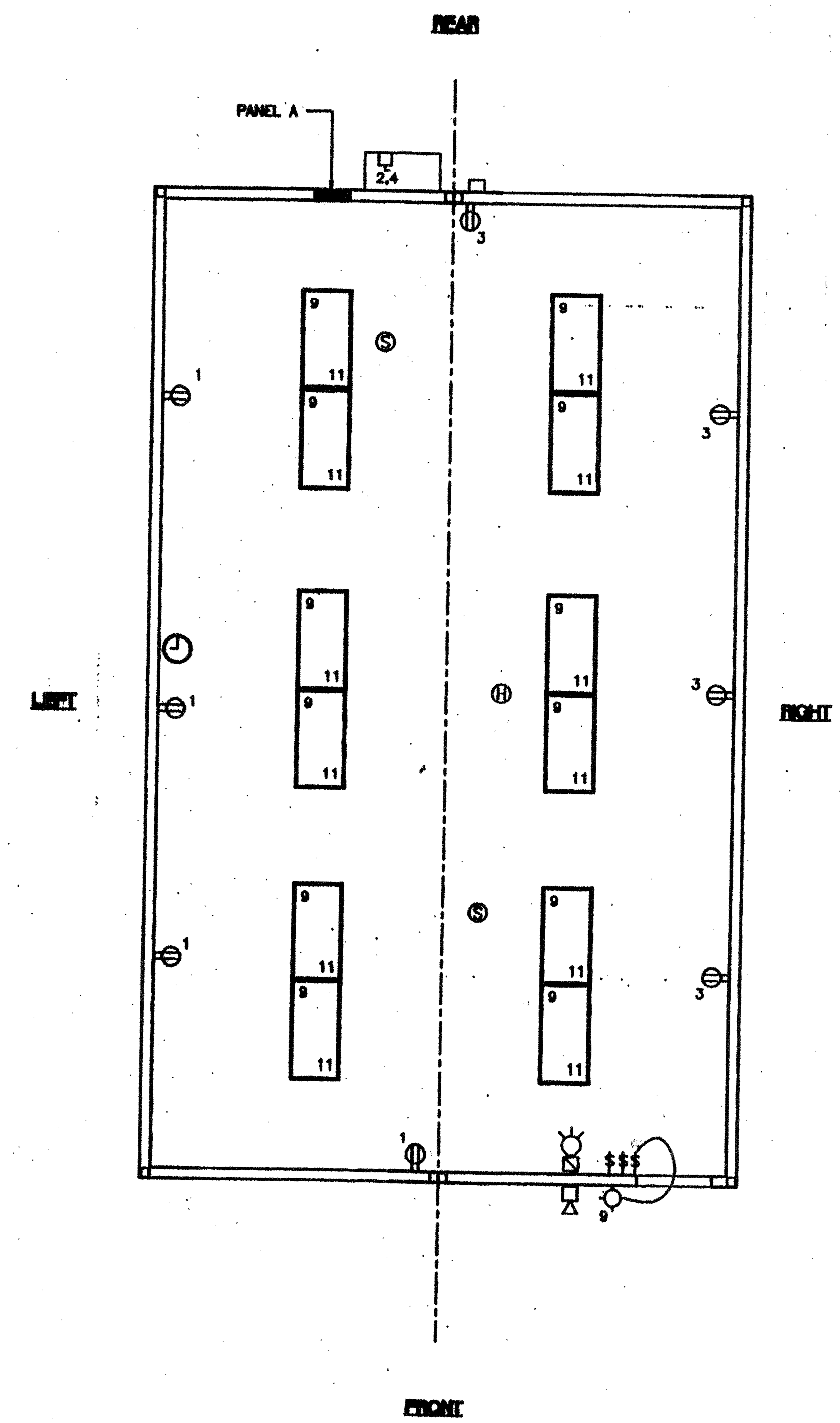
STRUCTURAL DETAILS

MODTECH Index No. S1.2

PROJECT NO. 4736

ELECTRICAL PANEL SCHEDULE

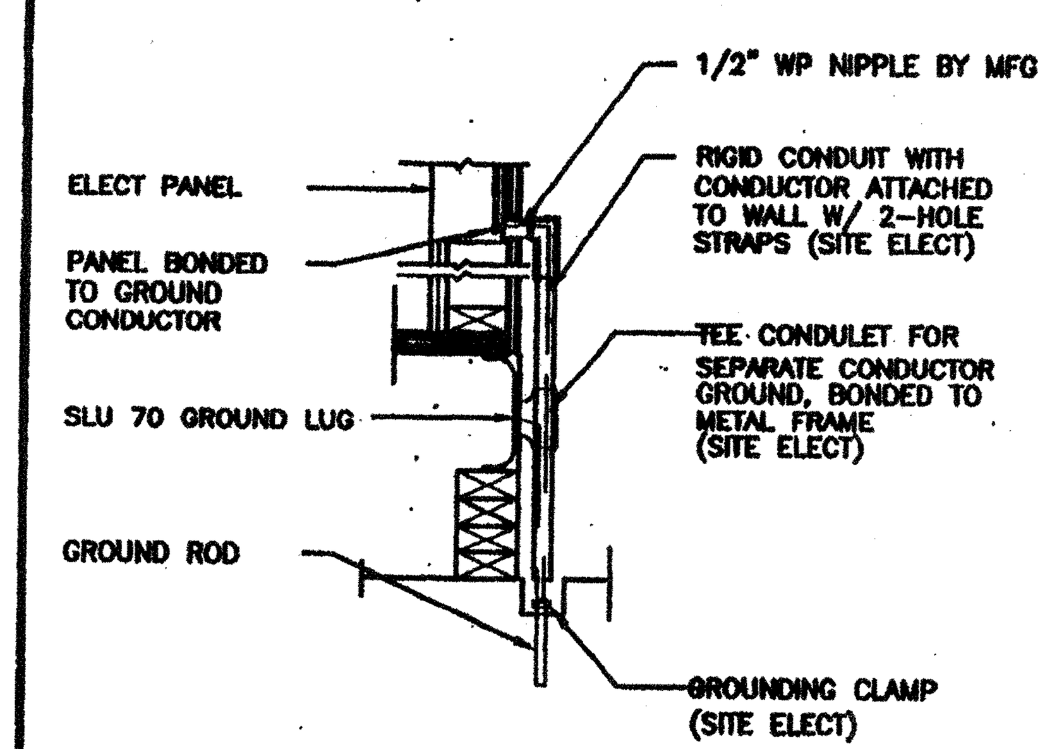
MAIN: 100 AMP 12 POLE			PANEL: A						FEED: REAR				
			LOCATION: REAR/INTERIOR						MOUNTING: FLUSH				
LOAD	WATTS A∅	WATTS B∅	BREAKER Amps	BREAKER P	CKT	A	B	CKT	BREAKER P	BREAKER Amps	WATTS A∅	WATTS B∅	LOAD
RECEPTACLE	720		20	1	1			2	2	60	7080		HVAC (3 1/2T)
RECEPTACLE/CLOCK		720	20	1	3			4	–	–		7080	HVAC (3 1/2T)
					5			6					
					7			8					
INT/EXT LIGHTS	900		20	1	9			10					
INT. LIGHTS		840	20	1	11			12	–	–		40	FIRE ALARM (DEDICATED)
WATTS/PHASE A = 8700	1620	1560									7080	7120	B = 8680 WATTS/PHASE
TOTAL 17380 WATTS	72 AMPS				120/240 VOLTS				SINGLE ∅				THREE WIRE



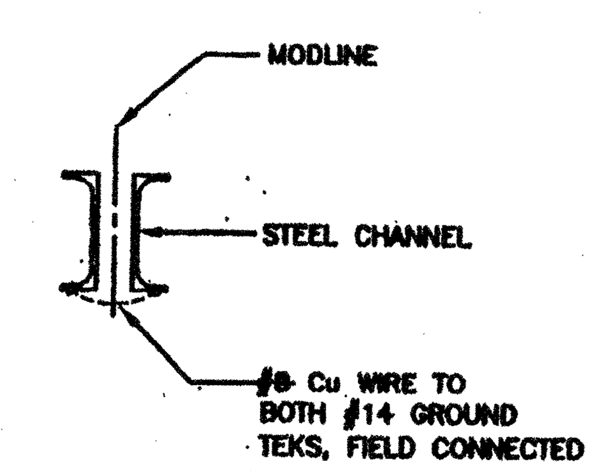
ELECTRICAL PLAN (24'x40')
OPP-HAND SCALE: 1/4" = 1'-0"

GENERAL GROUNDING NOTES

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



TYP GROUNDING DETAIL 1



GROUND JUMPER • MOD LINE 2

ELECTRICAL LEGEND

- 2'x4' T8 LIGHTS W/ELECT. BALLAST ([redacted])
- EXTERIOR LIGHT FIXTURE AT +93" AFF [redacted]
- SWITCH AT +48" AFF
- [redacted] SWITCH AT +48" AFF FOR EXT. LIGHT [redacted] 1
- DUPLEX WALL RECEPTACLE 15A 125V 3-WIRE AT +18" AFF UON
- HVAC UNIT (HV)
- 4SD J-BOX FOR FIRE ALARM PULL STATION AT +48" AFF, 3/4" CO TO ◯ OR □ . PULLSTRING
- 4SD J-BOX FOR FIRE ALARM STROBE/HORN AT +80" TO TO BOTTOM OF DEVICE AFF. 3/4" CO TO □◁ PULLSTRING.
- 4SD J-BOX FOR FIRE ALARM HORN AT +96" AFF 3/4" CO TO □ . PULLSTRING
- WEATHER PROOF GUTTER BOX (6"x6"x4") AT +18" AFF RECEIVE 3/4" CO FROM FA DEVICE, PULLSTRING
- ELECTRICAL PANEL AT +60" AFF TO CENTERLINE 1 1/4" POWER NIPPLE POC, GND JUMPER BY SITE ELECT
- CLOCK AT +90" AFF
- Ⓗ 4SD J-BOX FOR HEAT DETECTOR (ATTIC) * MAX 25' FROM ANY WALL AND 50' BETWEEN THEM.
- Ⓢ 4SD J-BOX FOR SMOKE DETECTOR (CEILING) * MAX 15' FROM ANY WALL AND 30' BETWEEN THEM.
- [D] 2 GANG J-BOX AT 18" w/ CONDUIT STUBBED UP TO ATTIC SPACE.

FILE PATH:

NOTES

1. SCHOOL EQUIPMENT ANCHORAGE

THE FOLLOWING IS FOR THE ARCHITECTS INFORMATION ONLY:

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

FOR ELECTRICAL DRAWINGS:

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

EQUIPMENT ON GRADE	33% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE	40% OF OPERATING WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 TIMES THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 TIMES THE HORIZONTAL FORCE.

THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE, Z = 4

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105455
AC FLS SS
DATE JUL 1 2003

REVISIONS

Electrical Engineer's Seal | Mechanical Engineer's Seal | PC Professional of Record Seal | Architects Seal

LICENSED ARCHITECT
RENEWAL DATE 12/31/05
STATE OF CALIFORNIA

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PC-04
104796

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

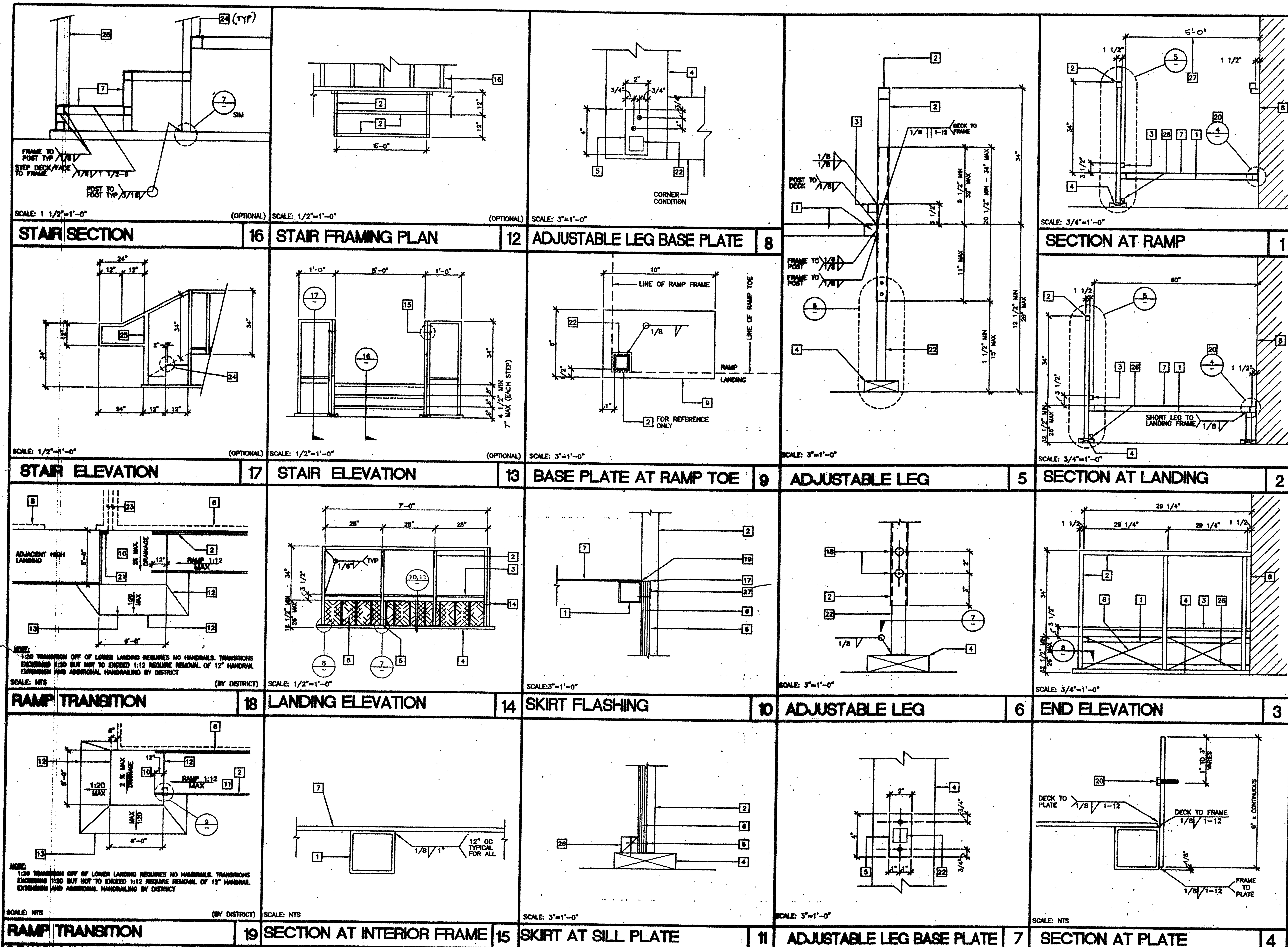
PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:
MODTECH Index No.

ELECTRICAL PLAN W/O DATA

E1.03

PROJECT NO. 4736
PC-04-104796



KEY NOTES

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

FILE PATH:

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OFFICE OF REGULATION SERVICES
04 105455
DATE JUL 17 2003

REVISIONS

Electrical Engineer's Seal | Mechanical Engineer's Seal | PC Professional of Record Seal | Architects Seal

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PC-04
104796

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

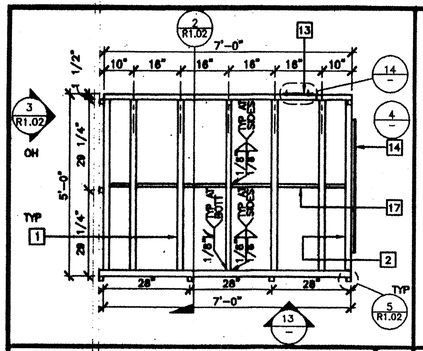
PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

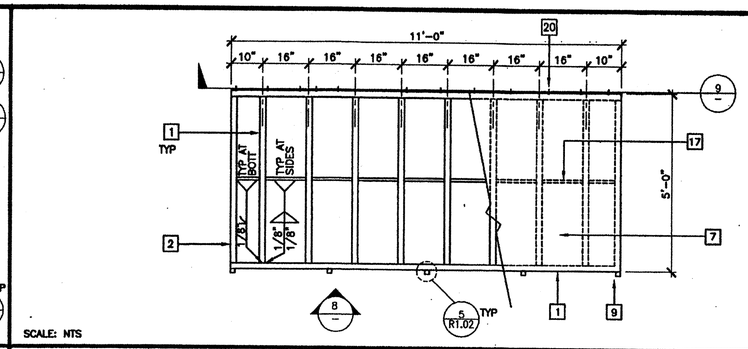
RAMP/LANDING DETAILS

MODTECH Index No.
R1.02

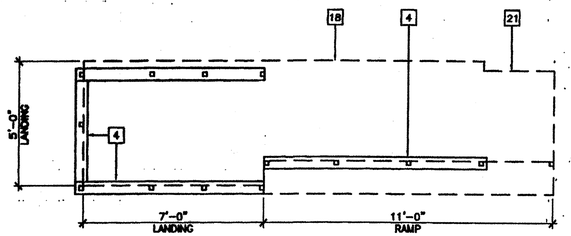
PROJECT NO. 4736
PC-04-104796



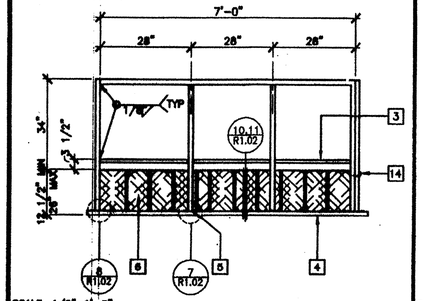
LANDING FRAME 12



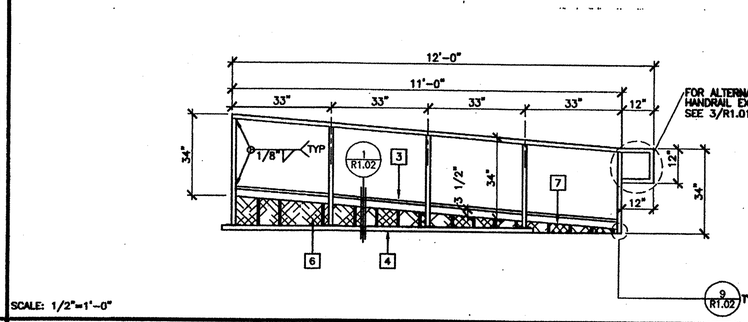
RAMP FRAME 7



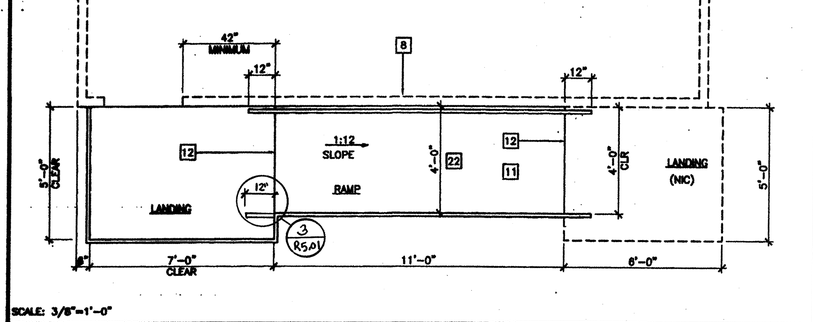
SILL PLAN FOR RAMP AND LANDING 1



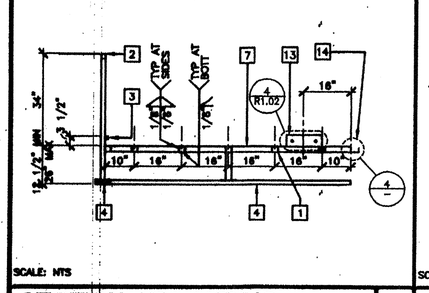
LANDING ELEVATION 13



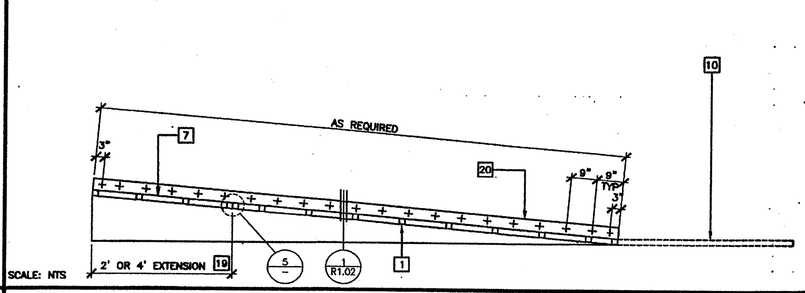
RAMP ELEVATION 8



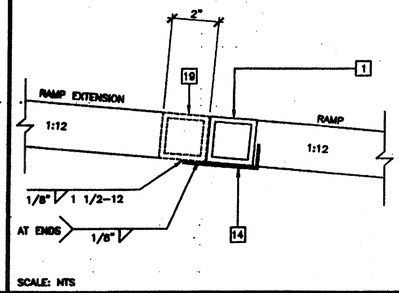
RAMP AND LANDING AT BUILDING 2



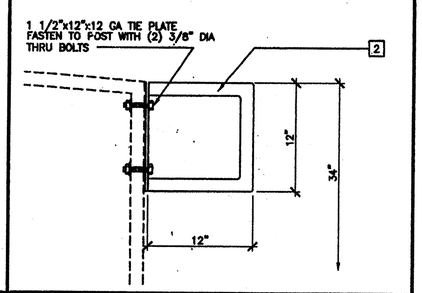
SECTION AT LANDING 14



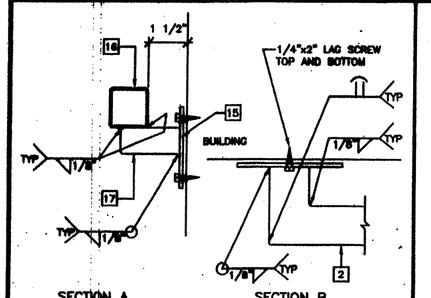
LONGITUDINAL SECTION AT RAMP 9



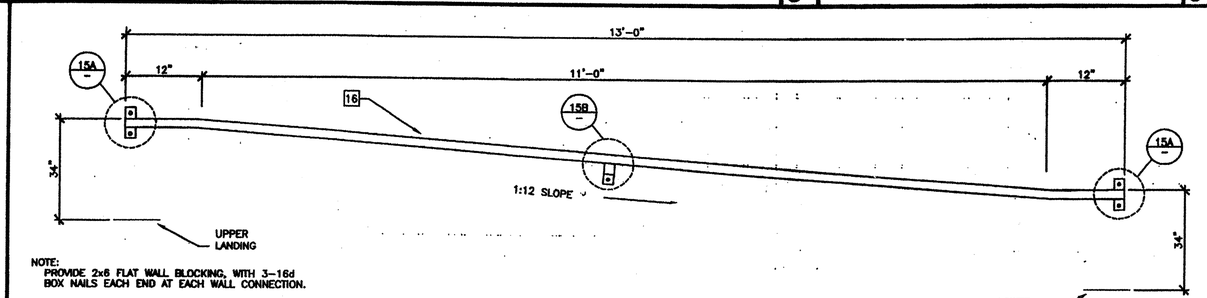
RAMP EXTENSION TO RAMP 5



ALTERNATE GUARD RAIL EXTENSION 3

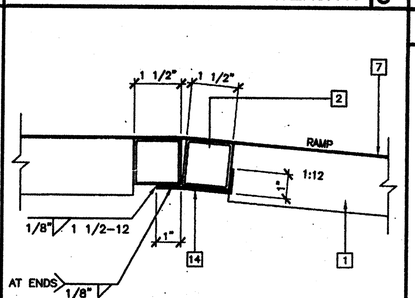


HANDRAIL CONNECTION 15



NOTE:
PROVIDE 2x6 FLAT WALL BLOCKING, WITH 3-16d BOX NAILS EACH END AT EACH WALL CONNECTION.

HANDRAIL ATTACHED TO BUILDING (OPTIONAL) 6



RAMP AT LANDING 4

KEY NOTES

1	TS 2"x2"x14 GA
2	TS 1 1/2"x1 1/2"x14 GA (Fy = 30KSI). ROUNDED OR BEVELED AT CORNERS
3	TS 1"x1"x16 GA WHEELCHAIR GUIDE
4	2"x6" PRESSURE TREATED SILL PLATE
5	2"x4"x12 GA BASE PLATE WITH (2) 1/4"x1" LAGS
6	SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH WITH 8d AT 6" OC EDGES AND 12" OC FIELD. AT EDGE CONNECTION TO TUBE STEEL USE #14x2" TEK SCREWS AT 6" OC
7	12 GA METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 6%. MAINTAINABLE FOR 1 YEAR
8	EXISTING BUILDING
9	6"x10"x12 GA BASE PLATE AT RAMP TOE
10	LOWER LANDING BY DISTRICT
11	RAMP BY MODTECH
12	FLUSH TRANSITION
13	6"x12"x10 GA PLATE WITH (2) 1/4"x3" LAGS TO STRUCTURAL FRAME OF BUILDING
14	3"x1"x3'-0"x10 GA BENT PLATE
15	2"x4"x 1/8" PLATE
16	TS 1 1/2"x1 1/2"x14 GA HANDRAIL – CONTINUOUS AND UNINTERRUPTED. ROUNDED OR BEVELED AT CORNERS
17	TS 1"x1"x16 GA RAIL SUPPORT
18	LINE OF RAMP/LANDING ABOVE
19	RAMP EXTENSION FRAME
20	6"x10 GA CONTINUOUS PLATE WITH 1/4"x2" TEK SCREWS AT 9" OC INTO WOOD OR FOUNDATION BLOCKS OR #14x2" TEK SCREWS INTO STEEL AT 9" OC
21	NOTCH BOTTOM PLATE (MUD SILL) AS REQUIRED TO CLEAR RAMP TOE. MAX NOTCH 1 1/2"x4'-0" LONG.
24	NOTCH BOTTOM PLATE (MUD SILL) AS REQUIRED TO CLEAR RAMP TOE. MAX NOTCH 1 1/2"x4'-0" LONG.

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NOTES

1. RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP AT 34" HEIGHT.
3. SURFACE: LANDING & RAMP TO HAVE NON-SLIP SURFACE AMCOR GRIP II AS MANUFACTURED BY AMERICAN CHEMICAL COMPANY (OR EQUAL)
4. GROUNDING: PROVIDE GROUNDING OF RAMP TO BUILDING FRAME WITH #8 COPPER TO BOTH GROUND LUGS.
5. ARCHITECT SITE/RAMP/LANDING PLANNING: DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26". THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 26'-0" AT A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY MODTECH INC. IS 11'-0" AT A SLOPE OF 1:12. THEREFORE THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS MODTECH INC RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON THIS SHEET
6. ALL 1 1/4" AND 1 1/2" TUBE STEEL TO BE OF ASTM A500 GRADE A STEEL (Fy = 30 KSI)

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AC FLS
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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal

RENEWAL DATE 12/31/03

Architects Seal

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104796
AC FLS SS
DATE 5/.../03

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FAX (909) 940-0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

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DRAWN BY: GL
DATE: 07/07/03
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DATE:

RAMP/LANDING 11' RAMPS

MODTECH Index No.
R5.01

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PROJECT NO. 4736
PC-04-104796