

ELECTRICAL PANEL SCHEDULE

MAIN: 100 AMP 12 CIRCUIT		PANEL: A		FEED: BOTTOM	
LOAD		LOCATION: REAR		MOUNTING: FLUSH	
		WATTS	BREAKER	U	WATTS
		AP	BP	Amps	
RECEPTACLE	(4)	720	20	1	2 2 60 3360
RECEPTACLE / CLOCK	(5)	900	20	1	3 4 - - 3360
INT. / EXT. LIGHTS	(25)	900	20	1	5 6 2 30 2500
INTERIOR LIGHTS	(24)	840	20	1	7 8 - - 2500
FA (DEDICATED)		40	-	-	9 10 - -
					11 12 - -
WATTS/PHASE A = 7,520		1600	1740		5060 5060 B = 7,460
TOTAL 18,555 WATTS		65	AMPS	120/240 VOLTS	SINGLE 3 THREE WIRE
NCL = 13300 W					

GENERAL GROUNDING NOTES

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

ELECTRICAL LEGEND

- 2'x4' 4 TUBE FLUORESCENT LIGHT FIXTURE
- EXTERIOR LIGHT FIXTURE AT +95" AFF
- DUPLEX WALL RECEPTACLE 15-A 125-V 3-WIRE AT +18" AFF U.N.O.
- HVAC UNIT (HV)
- 4s 'J' BOX FOR INT. FA PULL BOX. +48" AFF 3/4" CO TO PULLSTRING.
- 4s 'J' BOX FOR EXT. HORN/BELL. +96" AFF 3/4" CO TO PULLSTRING.
- (6x6x4) WEATHER PROOF GUTTER BOX + 18" AFF 3/4" CO TO PULLSTRING.
- ELECTRICAL PANEL. + 60" AFF (6) 1 1/2" POWER NIPPLE F22 GROUND JUMPER BY SITE ELEC.
- SWITCH +48" A.F.F.
- CLOCK. +96" AFF
- 4s 'J' BOX FOR INT. FA STROBE AT +80" AFF. 3/4" CO TO PULLSTRING.

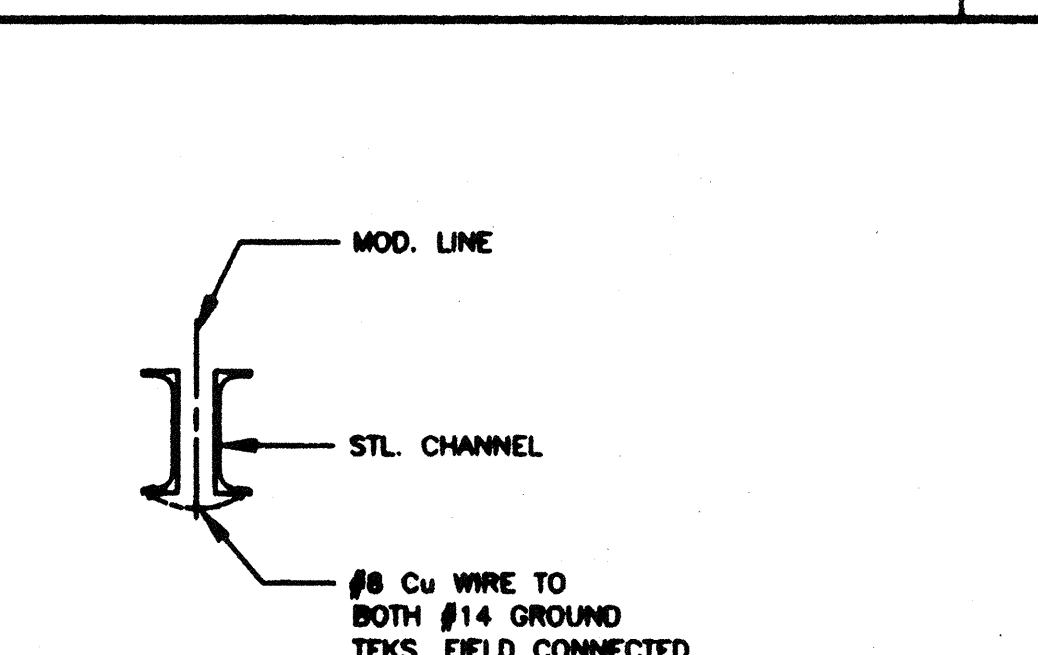
NOTES

- SCHOOL EQUIPMENT ANCHORAGE
THE FOLLOWING IS FOR THE ARCHITECTS INFORMATION ONLY:
THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24, SECTION 16304.2 AND TABLE 16304.2 ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIP. WEIGHING LESS THAN 400 LBS. & MOUNT 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:

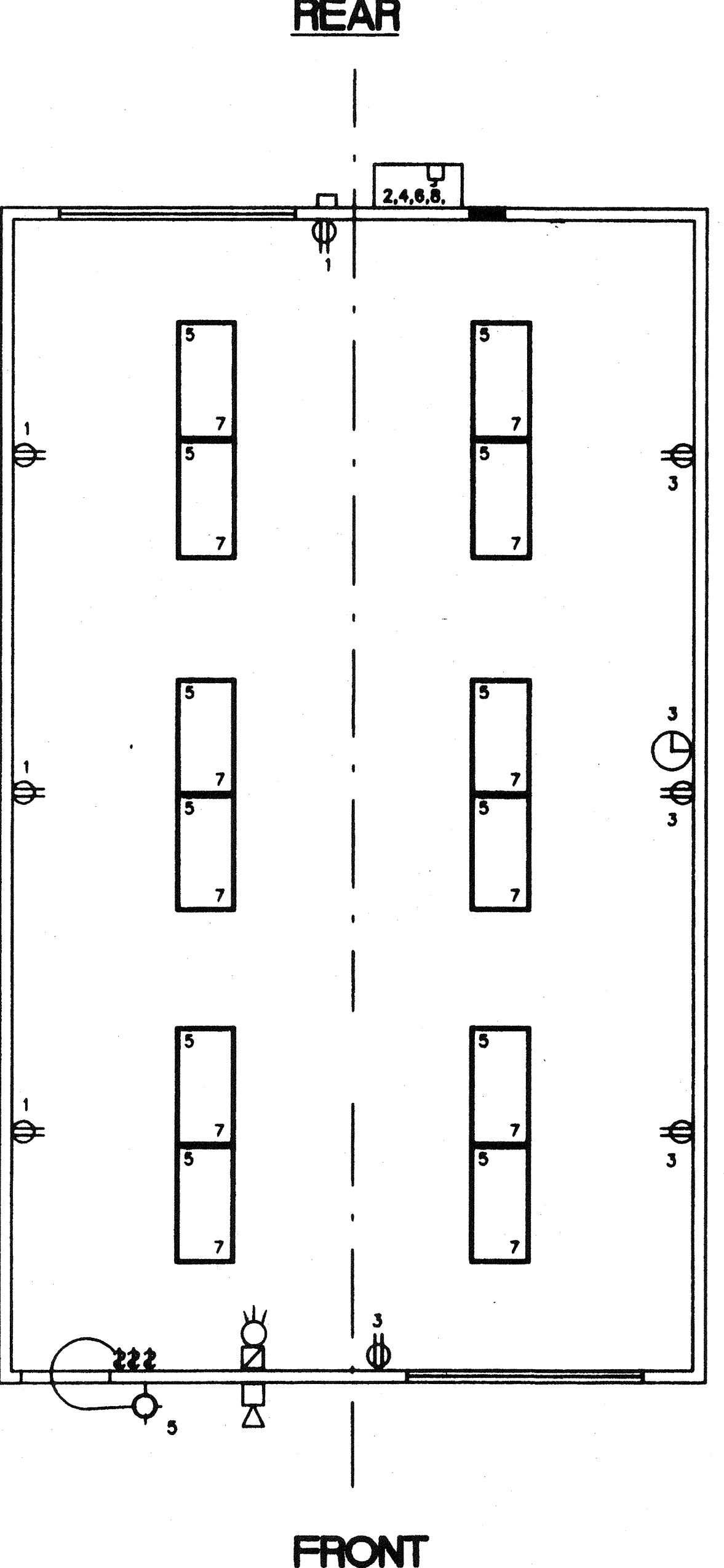
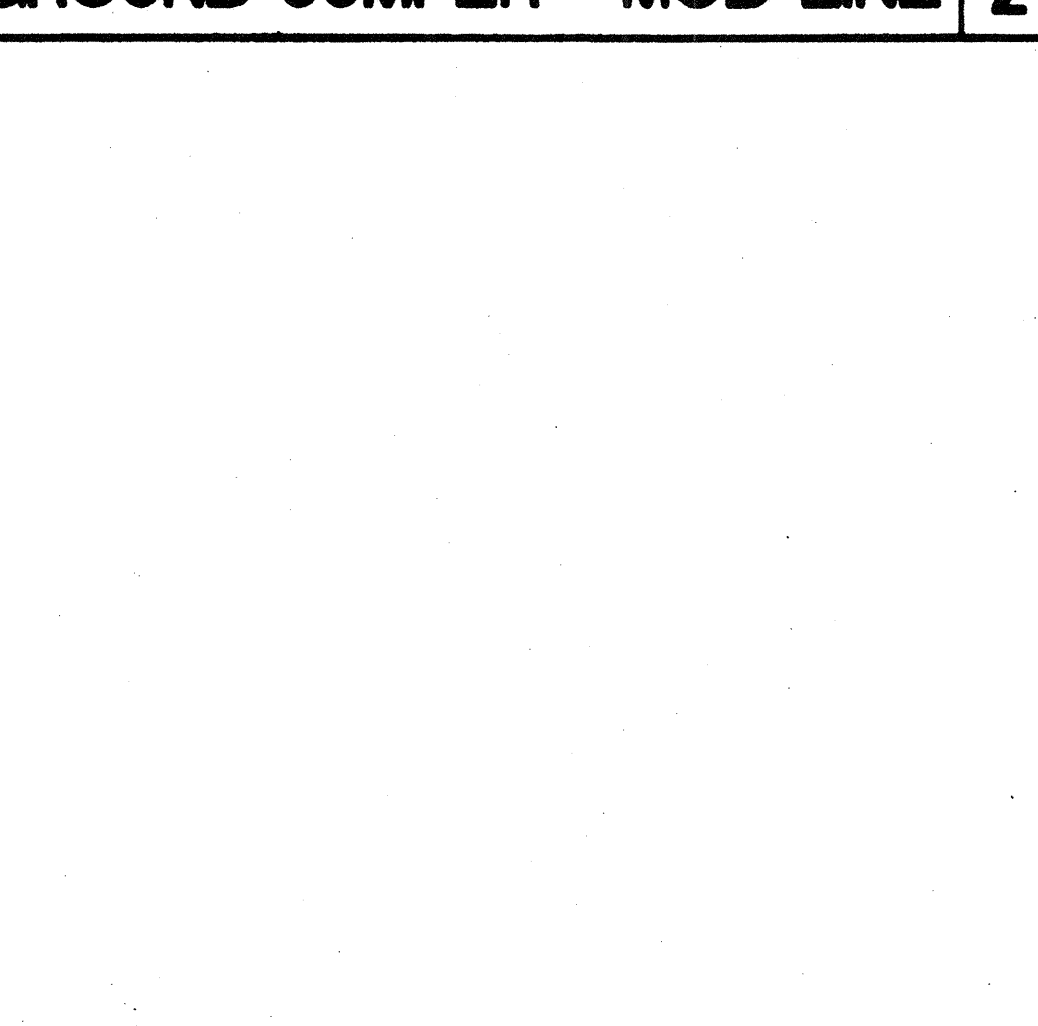
EQUIPMENT ON GRADE	20% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE	30% OF OPERATING WEIGHT

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.

TYP GROUNDING DETAIL



GROUND JUMPER • MOD LINE



ELECTRICAL PLAN (24' X 40')

1/4" = 1'-0"

REVISED

REVISIONS			
1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architect's Seal

Division of the State Architect

MODTECH INC.

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

PROJECT NUMBER: 2986

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drawn by: FWH
date: 11/98
checked by: 05 JAN 99
date:
project no:
E1.0

ELECTRICAL PLAN