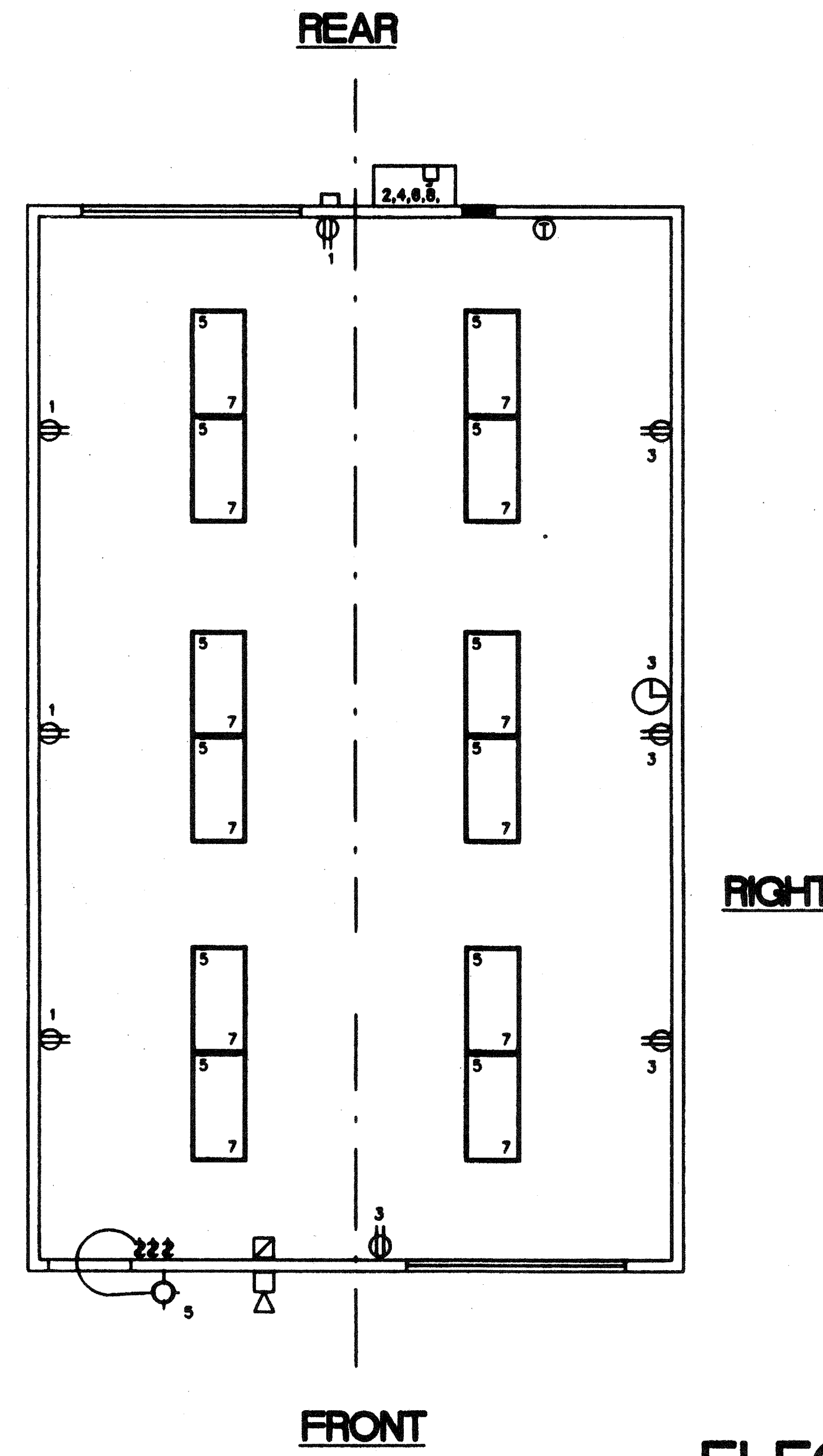


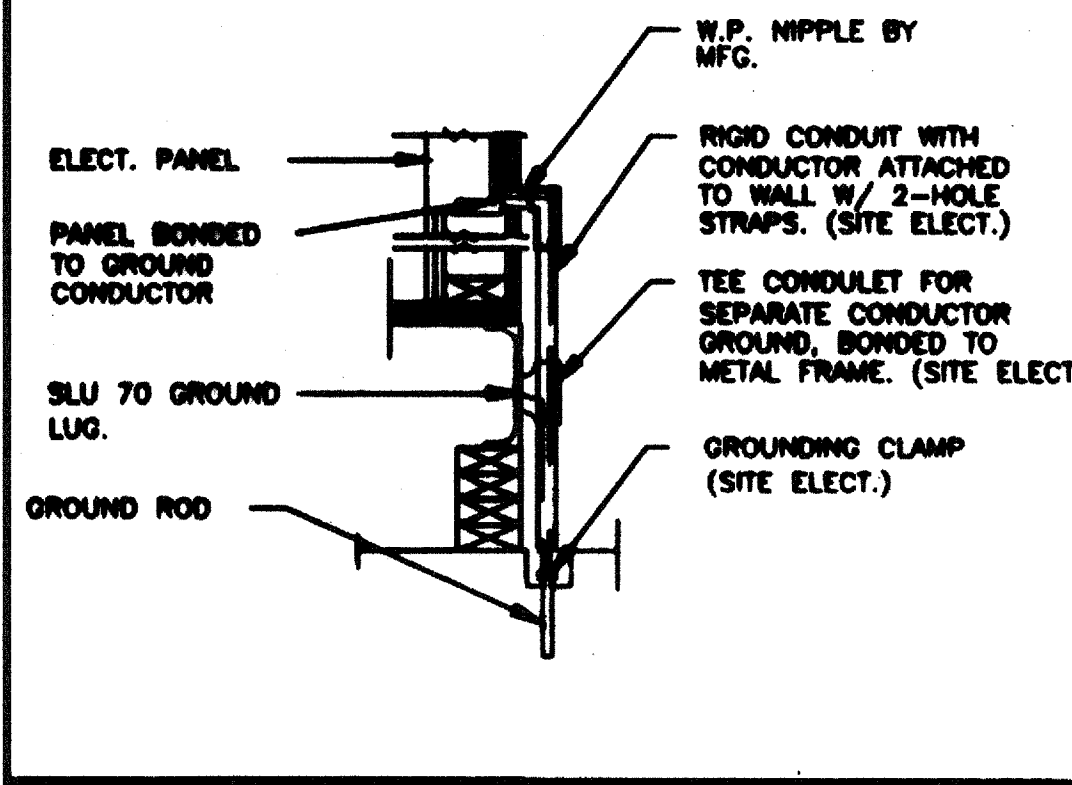
ELECTRICAL PANEL SCHEDULE													
MAIN 100 AMP		MOM 120M 100C SQ D		PANEL: A				FEED: BOTTOM					
				LOCATION: REAR				MOUNTING: FLUSH					
LOAD	QTY	WATTS		BREAKER		P		A		B			
		AV	BV	Amps	P	A	B	P	Amps	AV	BV		
RECEPTACLE	(4)	720		20	1	1		2	2	50	2900	HVAC 3.5 (T)	
RECEPTACLE / CLOCK	(5)	900		20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

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

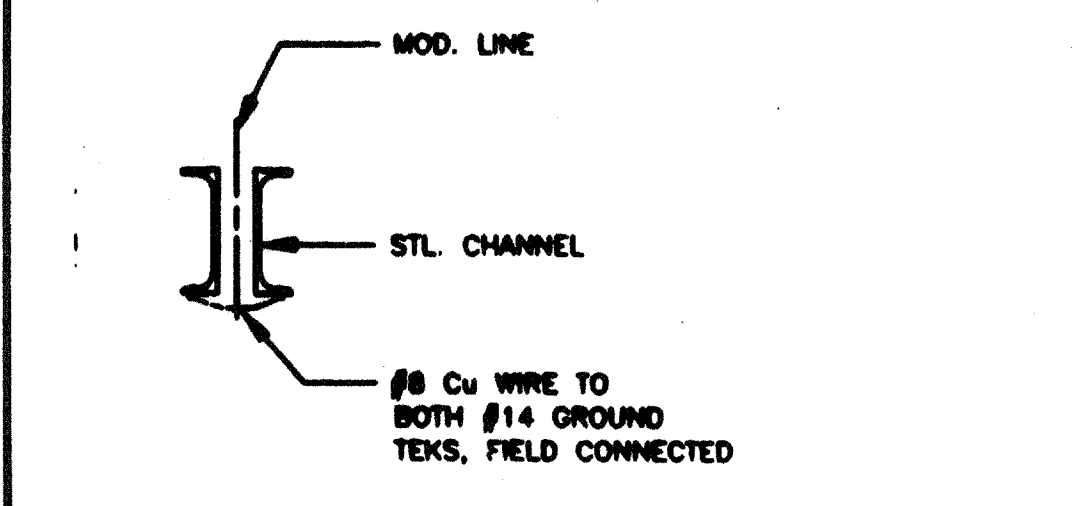
- ### ELECTRICAL LEGEND
- 2'x4' 4 TUBE FLUORESCENT LIGHT FIXTURE
 - EXTERIOR LIGHT FIXTURE AT +90" AFF
 - DUPLEX WALL RECEPTACLE 15-A 125-V 3-WIRE AT +18" AFF U.N.O.
 - THERMOSTAT. + 48" AFF HV
 - HVAC UNIT HV
 - 4s 'J' BOX FOR INT. FA PULL BOX. +48" AFF 3/4" CO TO PULLSTRING.
 - 4s 'J' BOX FOR EXT. HORN/BELL. +96" AFF 3/4" CO STUB IN ATTIC. PULLSTRING.
 - (6x6) WEATHER PROOF GUTTER BOX + 18" AFF 3/4" CO STUB IN ATTIC. PULLSTRING.
 - ELECTRICAL PANEL. + 60" AFF (E)
 - SWITCH +48" A.F.F.
 - CLOCK. + 96" AFF



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

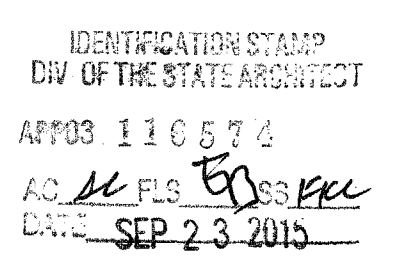
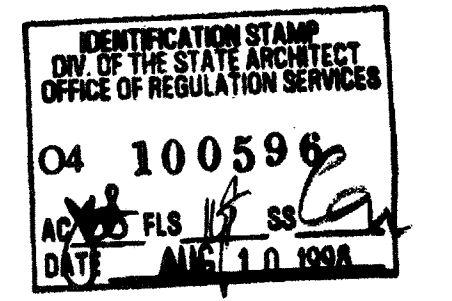


TYP GROUNDING DETAIL 1



GROUND JUMPER • MOD LINE 2

- ### NOTES
- SCHOOL EQUIPMENT ANCHORAGE
THE FOLLOWING IS FOR THE ARCHITECT'S INFORMATION ONLY:
THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24, SECTION 2312 (a) AND TABLE 23-P. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIP. WEIGHING LESS THAN 400 LBS. & HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS. MAY BE OMITTED FROM THE PLANS.
FOR ELECTRICAL DRAWINGS:
ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:
EQUIPMENT ON GRADE: 20% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE: 30% OF OPERATING WEIGHT
FOR FLOOR MOUNTED EQUIPMENT USE 4 X THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 X THE HORIZONTAL FORCE.
THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, 1 = 1.0 AND SEISMIC ZONE, 2 = 0.4.
WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.



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

REVISIONS

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architect's Seal

Division of the State Architect

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES. PC-266. DATE JUN 23 1997.

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

PROJECT NUMBER: 2900

© MODTECH, INC. 1997 4012-083

drawn by: PLS
checked by: PLS
project no: 2762
2852
2900
2908

STKP-37

E1.0

FILE # P266E10.DWG PROJECT NO. PC-266