

ELECTRICAL PANEL SCHEDULE

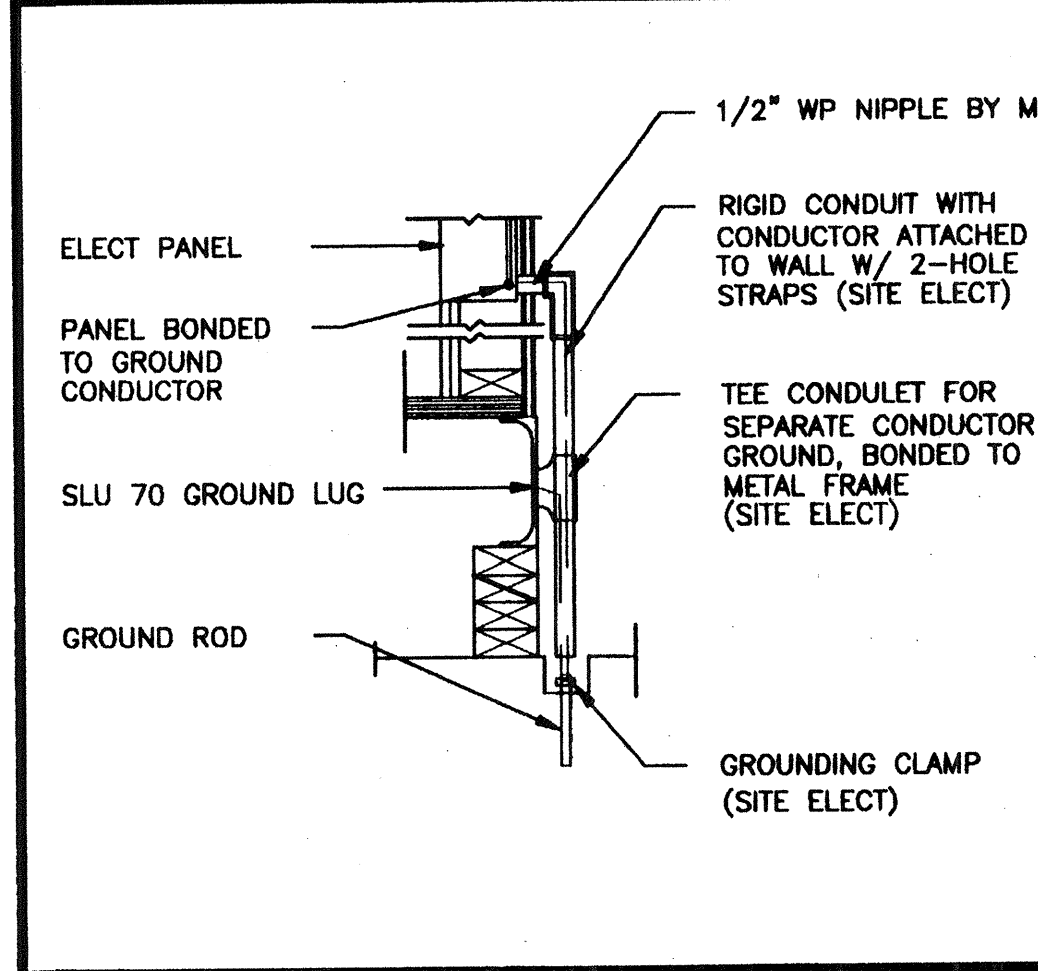
LOAD	WATTS		BREAKER				WATTS		LOAD	
	A#	B#	Amps	P	Q	R	Amps	B#		
RECEPTACLE	720		20	1	1	2	2	50	3360	HVAC (3 1/2T)
RECEPTACLE/CLOCK		720	20	1	3	4	-	-	3360	HVAC (3 1/2T)
					5	6	2	30	2500	HEAT STRIPS (5KW)
					7	8	-	-	2500	HEAT STRIPS (5KW)
INT/EXT LIGHTS	900		20	1	9	10	-	-		
INT. LIGHTS		840	20	1	11	12	-	-	40	FIRE ALARM (DEDICATED)
WATTS/PHASE	A = 7480		1620	1560			5860	5900	B = 7460 WATTS/PHASE	
TOTAL	15385	WATTS	65	AMPS	120/240	VOLTS	SINGLE #		THREE WIRE	

GENERAL GROUNDING NOTES

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

ELECTRICAL LEGEND

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



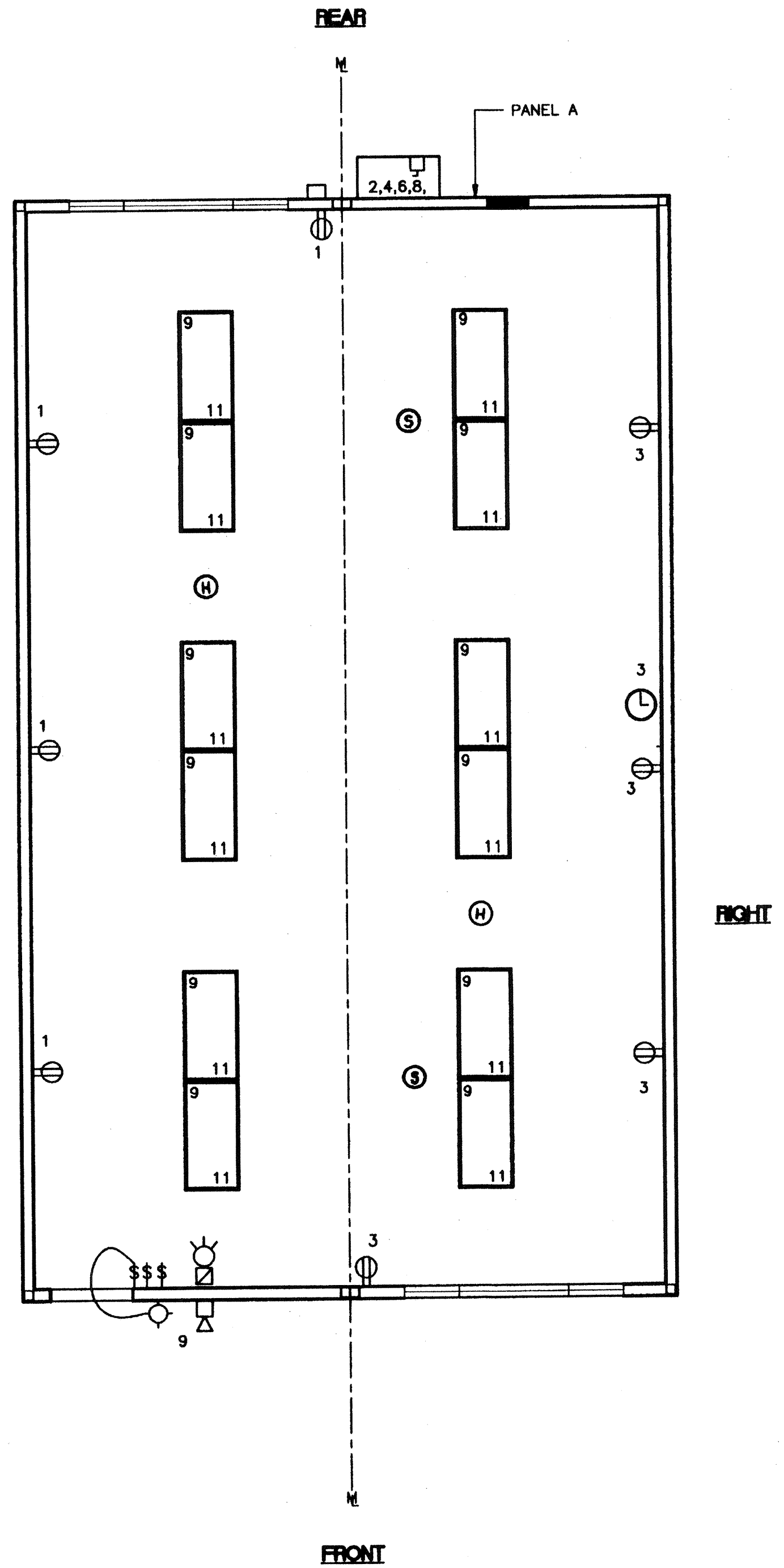
TYP GROUNDING DETAIL 1

AGENCY TRACKING NO. 63321-201
FILE NO. 15-6

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

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DATE: SEP 13 2018

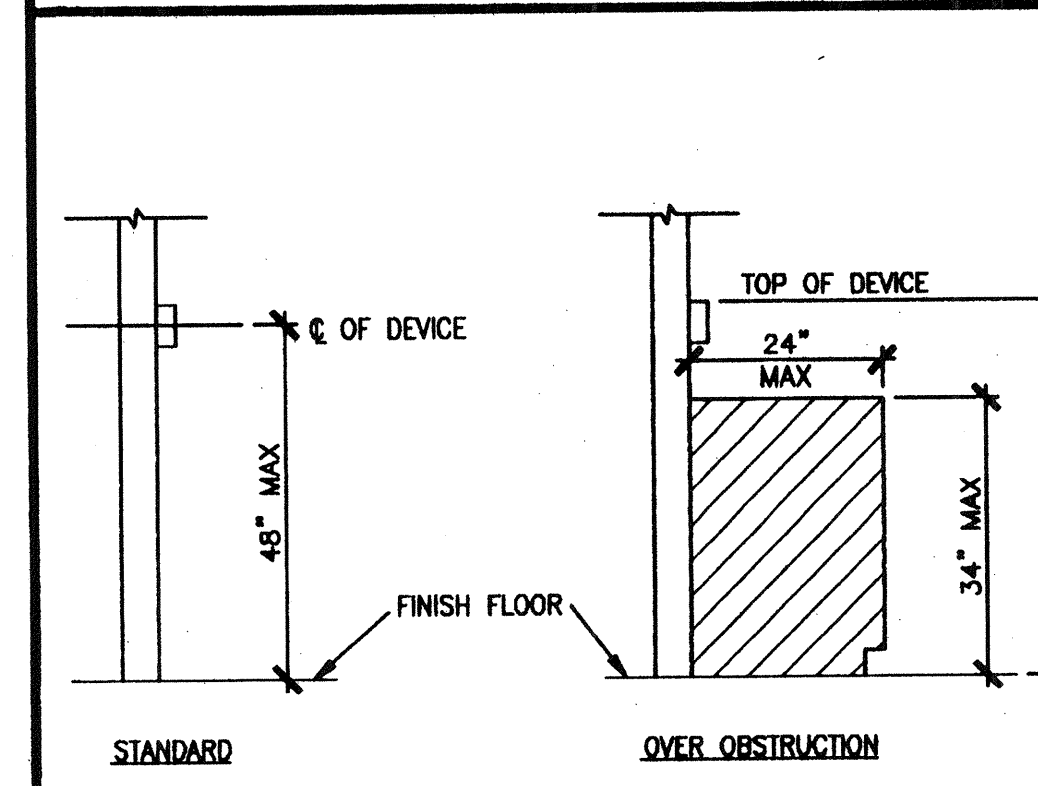


ELECTRICAL PLAN A (24'x40')
SCALE: 1/4" = 1'-0"

NOTES

- SCHOOL EQUIPMENT ANCHORAGE
THE FOLLOWING IS FOR THE ARCHITECTS INFORMATION ONLY:
THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO CCR TITLE 24, SECTION 1632A AND TABLE 16A-D. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 LBS & HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS MAY BE OMITTED FROM THE PLANS.
ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:
EQUIPMENT ON GRADE: 20% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE: 30% OF OPERATING WEIGHT
FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 TIMES THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 TIMES THE HORIZONTAL FORCE.
THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE, Z = 4
WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.

GROUND JUMPER AT MOD LINE 2



GROUND JUMPER AT MOD LINE 2

DEVICE MOUNTING 3

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

REVISIONS

1. SCHOOL EQUIPMENT ANCHORAGE

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REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architect's Seal	Identification Stamp	MODTECH INC.	PROJECT NUMBER	MODTECH, INC. 2001	DRAWN BY: M. ANDERSEN
1							4134, 4153, 4173, 4203		DATE: APR 15 2002
2							4207, 4215, 4250		CHECKED BY: 4012-121
3							4284, 4302, 4350		DATE: 04-16-02
4							4304, 4347, 4373, 4422		MODTECH Index No.
5							4506		E1.01A

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architect's Seal
LICENSED ARCHITECT
GEORGE C. EDWARDS
STATE OF CALIFORNIA

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DATE: SEP 17 1998

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