

## ELECTRICAL PANEL SCHEDULE

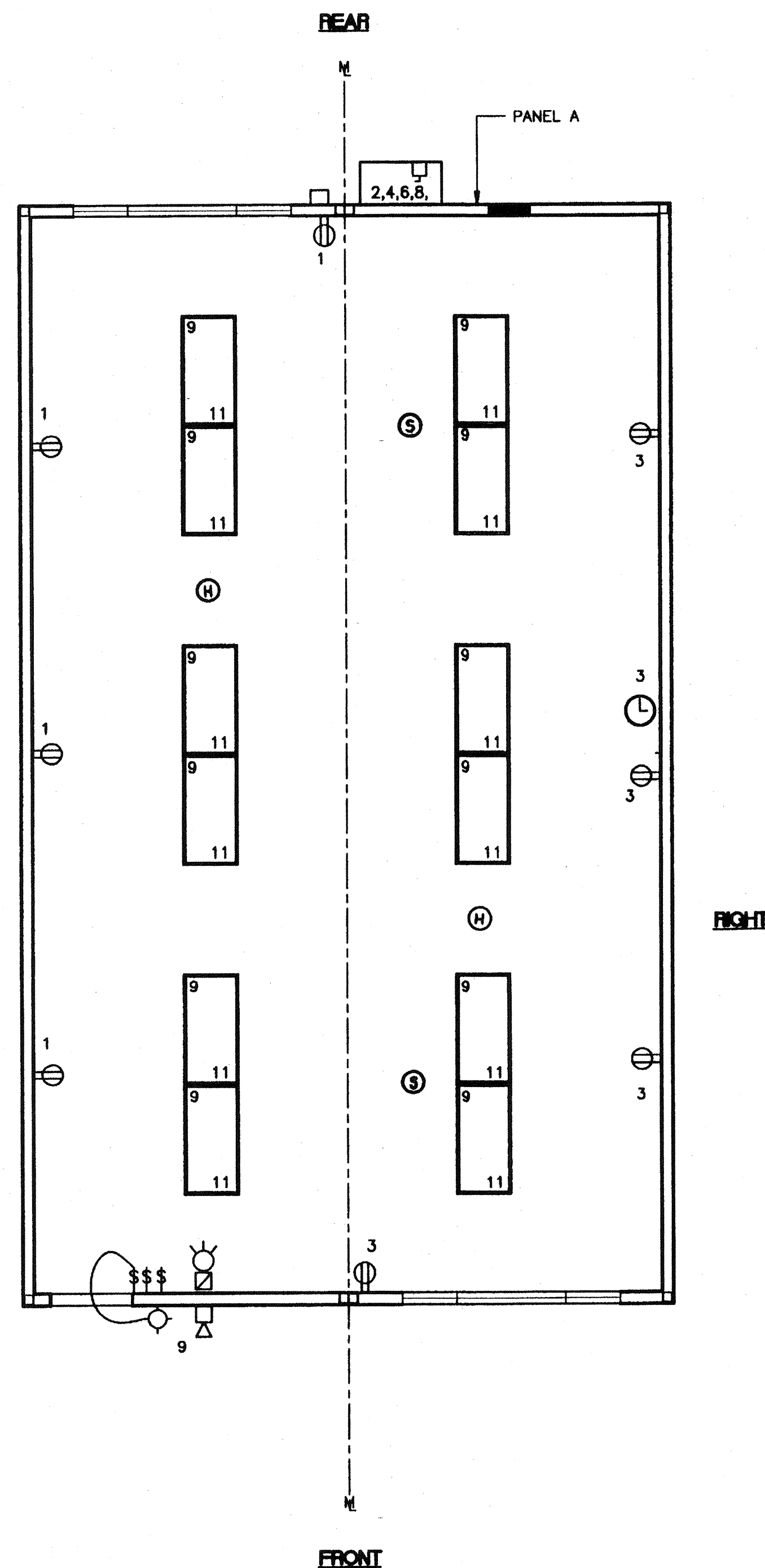
MAIN: 100 AMP 12 POLE		PANEL: A		FEED: REAR	
		LOCATION: REAR/INTERIOR		MOUNTING: FLUSH	
LOAD	WATTS	BREAKER	WATTS	LOAD	WATTS
	A#	B#	A#		B#
RECEPTACLE	720	20	1	3360	HVAC (3 1/2T)
RECEPTACLE/CLOCK		720	20	3360	HVAC (3 1/2T)
				2500	HEAT STRIPS (5KW)
				2500	HEAT STRIPS (5KW)
INT/EXT LIGHTS	900	20	1		
INT. LIGHTS		840	20	40	FIRE ALARM (DEDICATED)
WATTS/PHASE	A = 7480	1560		5860	B = 7480 WATTS/PHASE
TOTAL	15385	65	120/240	SINGLE #	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).
- 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 +80" 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) \*

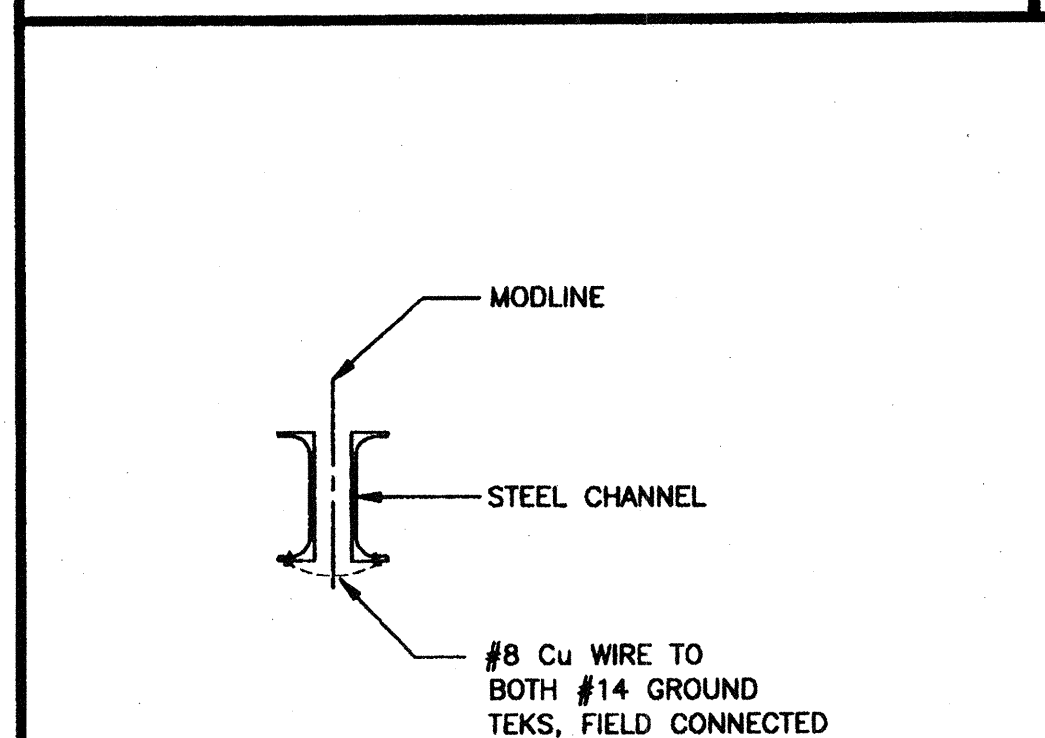


ELECTRICAL PLAN A

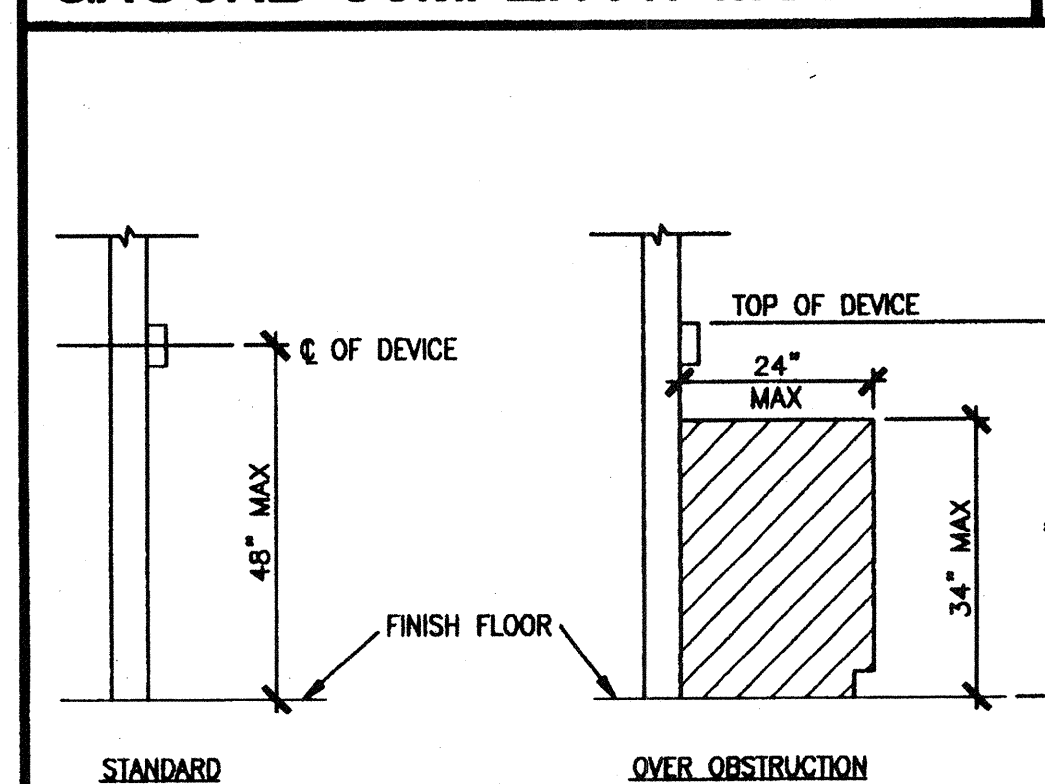
(24'x40')

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

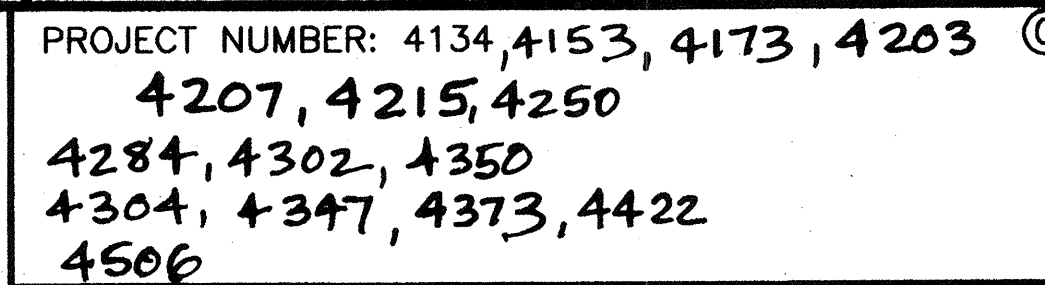
## TYP GROUNDING DETAIL



## GROUND JUMPER AT MOD LINE



## DEVICE MOUNTING

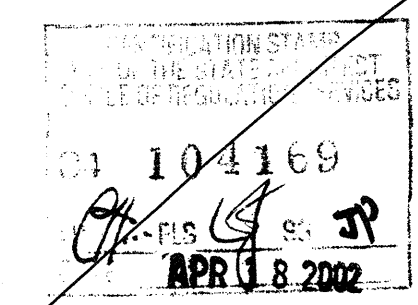


## NOTES

- 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-0. 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.  
\* 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



IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 116318  
AC/PLS JESS EY  
DATE 051215

CBC 1993

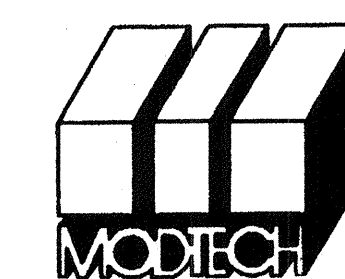
STKP-62

REVISIONS	
1	
2	
3	
4	
5	

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architect  
EMILIO C. EDWARDS  
STATE OF CALIFORNIA  
EXPIRES 9-30-03IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC-04  
101268  
AC/PLS JESS EY  
DATE SEP 17 2000

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PROJECT NUMBER: 4134, 4153, 4173, 4203 © MODTECH, INC. 2001

4207, 4215, 4250  
4284, 4302, 4350  
4304, 4347, 4373, 4422  
4506

## ELECTRICAL PLAN

24'x40' STANDARD

E1.01A