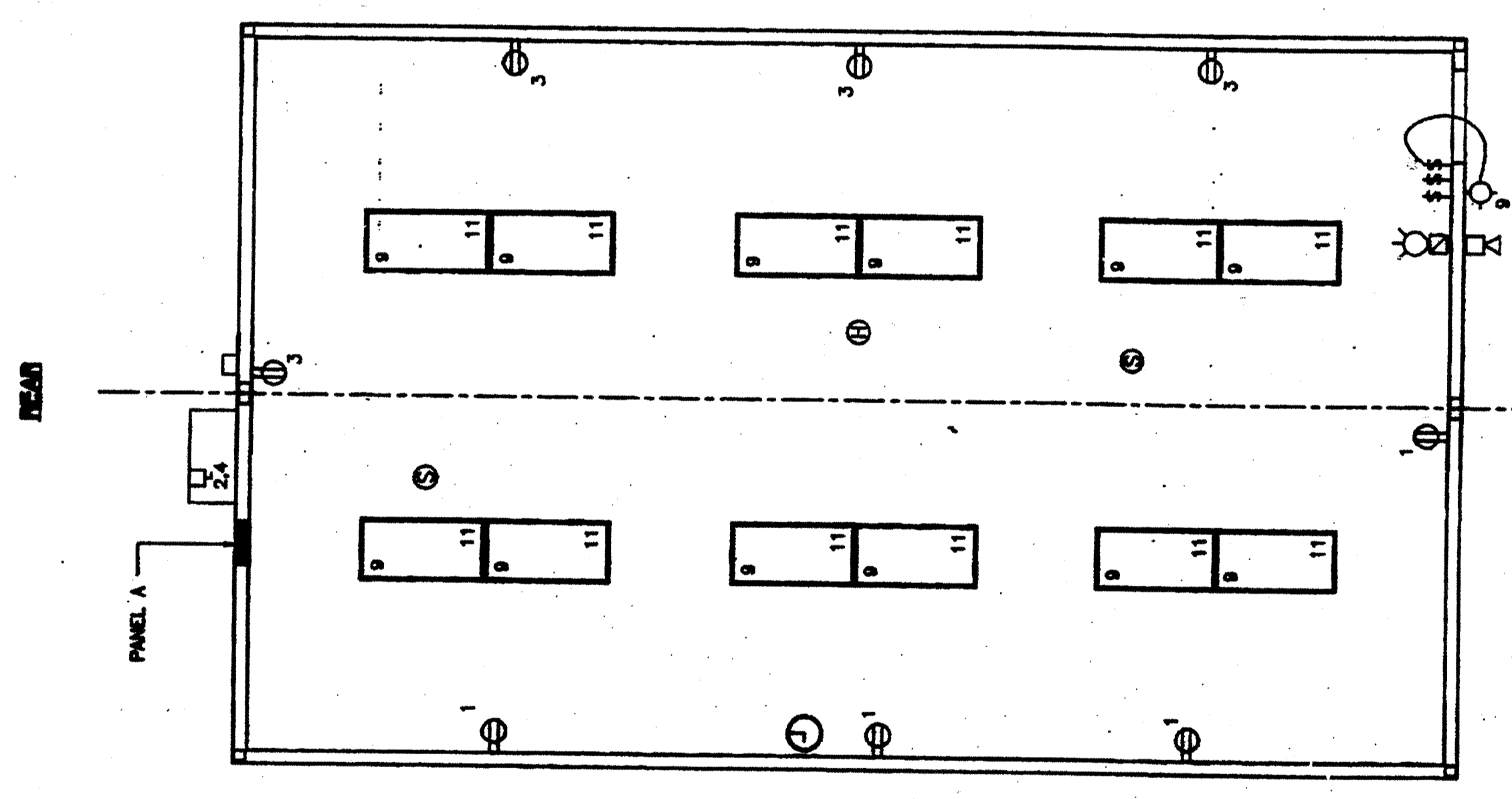


ELECTRICAL PANEL SCHEDULE

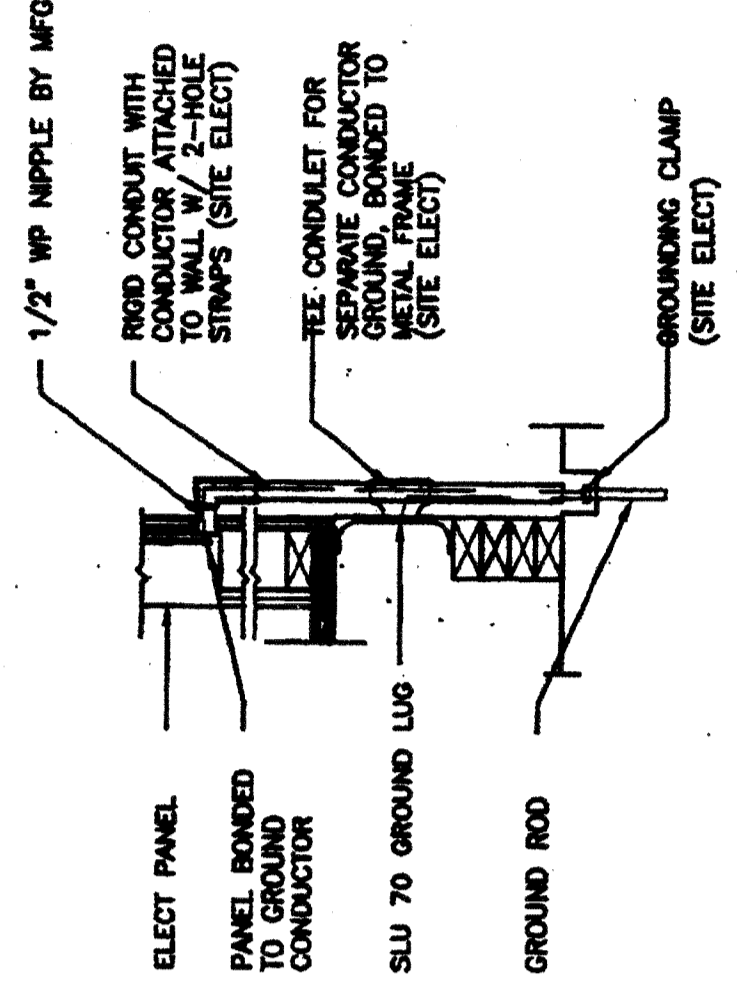
MARK	100 AMP	12 POLE	PANEL LOCATION		FEEDS		REAR FLUSH
			A	B	MOUNTING	FLUSH	
LOAD							
RECEPTACLE	720	20	1	1	BP	7080	
RECEPTACLE/CLOCK	720	20	1	3	BP	7080	
INT. LIGHTS	900	20	1	9			
WATS/PHASE	1820	1580	20	111			
TOTAL	17380	72	AMP	120/240	VOLTS	7080 7120	B = 8880
							SINGLE #
							THREE
							WIRE



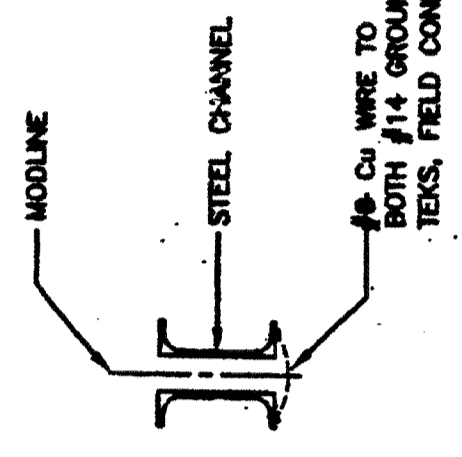
**ELECTRICAL PLAN
OPP-HAND**
(24'x40')
SCALE: 1/4" = 1'-0"

GENERAL GROUNDING NOTES

- EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" DIA. X 8' COPPER/ALUM. STEEL GROUND ROD, WHERE THE ROD IS NOT TO EXCEED 48" IN LENGTH. 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 THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAY BE 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 NEC ARTICLE 250.



TYP GROUNDING DETAIL 1



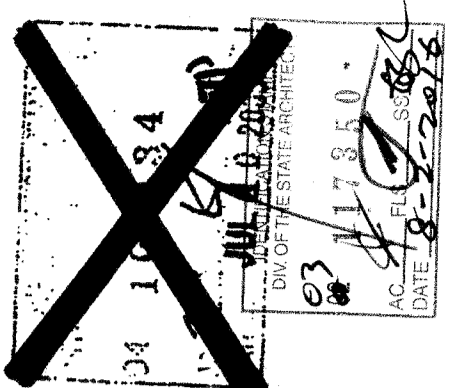
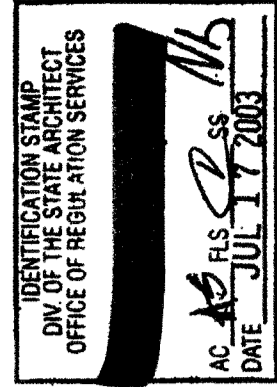
GROUND JUMPER • MOD LINE 2

ELECTRICAL LEGEND

- 2x4' TB LIGHTS W/ELECT. BALLAST
- EXTERIOR LIGHT FIXTURE AT +83" AFF
- SWITCH AT +48" AFF
- SWITCH AT +48" AFF FOR EXT. LIGHT
- DUPLX WALL RECEPTACLE 15A 120V 3-WIRE AT +18" AFF 100N
- HVAC UNIT (TV)
- 4SD J-BOX FOR FIRE ALARM PULL STATION AT +48" AFF, 3/4" CO TO [] PULLSTRING
- 4SD J-BOX FOR FIRE ALARM STROBE/HORN AT +80" TO BOTTOM OF DEVICE AFF. 3/4" CO TO [] PULLSTRING.
- 4SD J-BOX FOR FIRE ALARM HORN AT +88" AFF 3/4" CO TO [] PULLSTRING
- WEATHER PROOF OUTER BOX (6"x6"x4") AT +18" AFF RECEIVE 3/4" CO FROM FA DEVICE, PULLSTRING NIPPLE POC, AND JUMPER BY SITE ELECT
- CLOCK AT +80" AFF
- 4SD J-BOX FOR HEAT DETECTOR (ATTC) * MAX 25' FROM ANY WALL AND 50' BETWEEN THEM
- 4SD J-BOX FOR SMOKE DETECTOR (SMD) * MAX 15' FROM ANY WALL AND 30' BETWEEN THEM
- 2 OHM J-BOX AT 18" +/- CONDUIT STUBBED UP TO ATTIC SPACE.

NOTES

- SCHOOL EQUIPMENT ANCHORAGE
THE FOLLOWING IS FOR THE ARCHITECTS INFORMATION ONLY:
THE SEISSING ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO THE SEISSING SECTION 1520 AND TABLE 15-2. ANCHORAGE DETAILS FOR ROCK/CONCRETE SHALL BE PROVIDED BY THE ARCHITECT. ALL ANCHORAGE EQUIPMENT WEIGHING LESS THAN 20 LBS MAY BE LIMITED FROM THE PLUMB.
FOR ELECTRICAL DRAWINGS:
ALL ELECTRICAL EQUIPMENT SHALL BE BRANCHED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:
EQUIPMENT ON GRADE: 30% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE: 40% OF OPERATING WEIGHT
FOR ELEVATED MOUNTED EQUIPMENT USE 4 TIMES THE ABOVE VALUES. AND FOR SHALLOWER VERTICAL FORCE USE 1/3 TIMES THE HORIZONTAL FORCE.
THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISSING ZONE, Z = 4.
WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD ENGINEER SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.



PROJECT NO. 4736
DRAWN BY: CL
DATE: 07/07/03
CHECKED BY:
DATE:
MODTECH, INC.
PROJECT NO. 4736

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN
MODTECH, INC. 2002
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E1.03
ELECTRICAL PLAN
W/O DATA

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

REVISIONS	DATE	BY	DESCRIPTION