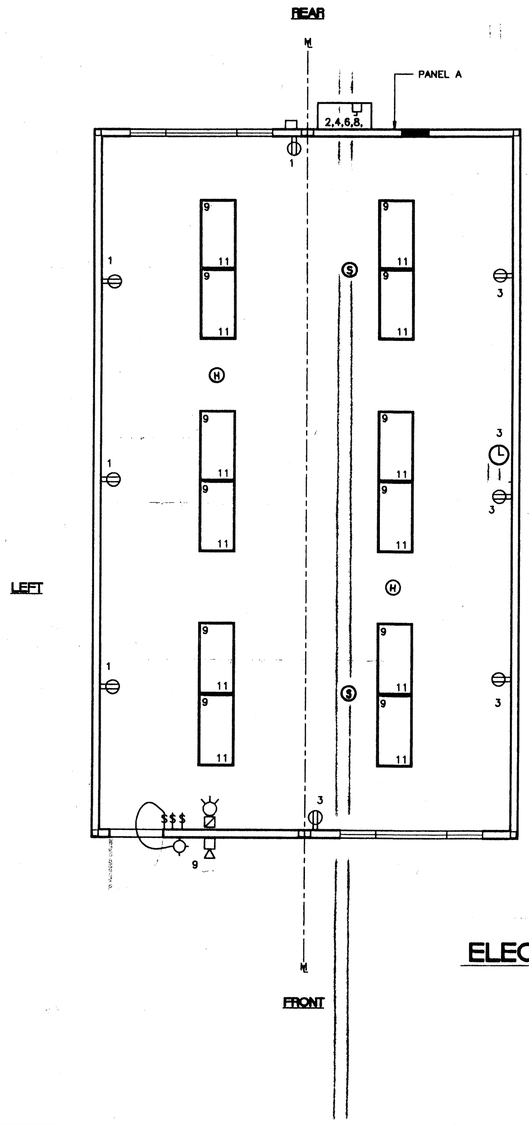
ELECTRICAL PANEL SCHEDULE

MAIN: 100 AMP 12 POLE | PANEL: A | LOCATION: REAR/INTERIOR | FEED: REAR | MOUNTING: FLUSH

LOAD	WATTS A∅	WATTS B∅	BREAKER Amps	BREAKER P	CKT	A	B	CKT	BREAKER P	BREAKER Amps	WATTS A∅	WATTS B∅	LOAD
RECEPTACLE (4)	720		20	1	1			2	2	50	3360		HVAC (3 1/2T)
RECEPTACLE/CLOCK (5)		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 (13)	900		20	1	9			10					
INT. LIGHTS (12)		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

NCL = 13160 WATTS



SEE SHEET A8.01 FOR TOILET ROOM OPTION

ELECTRICAL PLAN (24'x40')

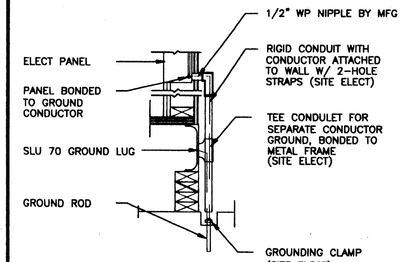
SCALE: 1/4" = 1'-0"

PC

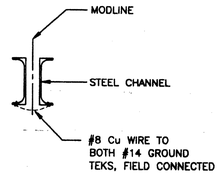
CBC 1998

GENERAL GROUNDING NOTES

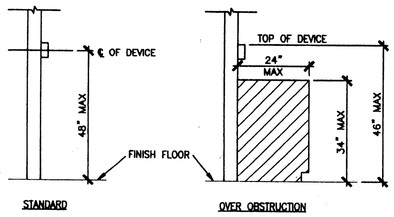
1. EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL)
2. TESTING: TEST 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)
3. 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.
4. GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.



TYP GROUNDING DETAIL 1



GROUND JUMPER AT MOD LINE 2



DEVICE MOUNTING 3

ELECTRICAL LEGEND

- 2'x4' 4 TUBE FLUORESCENT LIGHT FIXTURE
- EXTERIOR LIGHT FIXTURE AT +93" AFF
- $ SWITCH AT +48" AFF
- $3 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 OR . 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
- (H) **4SD J BOX FOR HEAT DETECTOR (ATTIC) ***
- (S) **4SD J BOX FOR SMOKE DETECTOR (ATTIC) ***

NOTES

1. 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 OFFICE OF REGULATION SERVICES 1023 65 FLS SS DATE

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP03 116318 ACC N/A FLS 12 SS EY DATE 051215

FILE PATH: 2440-E1.01.DWG

PROJECT NO. PC-04-101268 3513 3745 3153 3380 3904, 3905 4032 3720

REVISIONS

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3			
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Electrical Engineer's Seal | Mechanical Engineer's Seal | Structural Engineer's Seal: ROBERT T. SIMPSON No. S 3902 REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA STRUCTURAL — LICENSE EXPIRES 6-30-2000 | Architects Seal: LICENSED ARCHITECT GEORGE C. MODTECH No. C 29561 REN. 9-30-01 STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-04 101268 AC FLS SS DATE SEP 07 1999

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PROJECT NUMBER:

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STOCKPILE #53
CLASS LEASING INC #3513
4012-107 80 MPH
100- 24x40 CLASSROOMS

DRAWN BY:
DATE:
CHECKED BY:
DATE: 7/6/00

MODTECH Index No. E1.01

ELECTRICAL PLAN 24'x40'