ELECTRICAL PANEL SCHEDULE

MAIN: 100 AMP MCM 120M 100C SQ D | PANEL: A | LOCATION: REAR | FEED: BOTTOM | MOUNTING: FLUSH

LOAD		WATTS A Ø	WATTS B Ø	BREAKER Amps	P	CKT	A	B	CKT	P	BREAKER Amps	WATTS A Ø	WATTS B Ø	LOAD	
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	2500		HVAC	(HS)
INTERIOR LIGHTS	(24)		816	20	1	7			8				2500	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	WATTS/PHASE
TOTAL	14,575 WATTS			61 AMPS	120/240 VOLTS					SINGLE Ø				THREE WIRE	

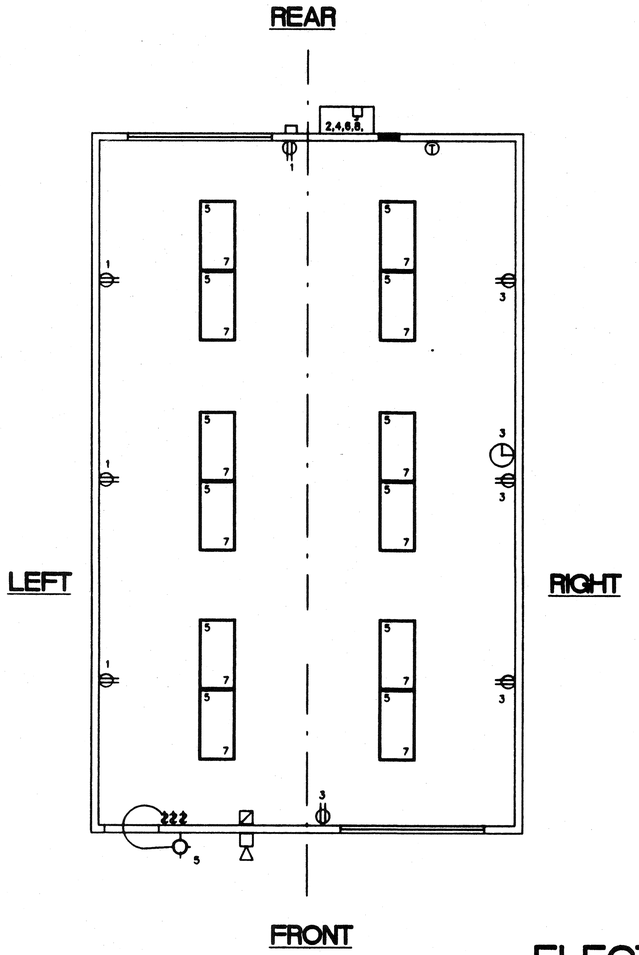
NCL = 12,460 W

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. PROVIDE EQUIPMENT ANCHORAGE PER TITLE 24, TABLE 16 J, PART B.
4. 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.
5. GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH C.E.C. ARTICLE 250.

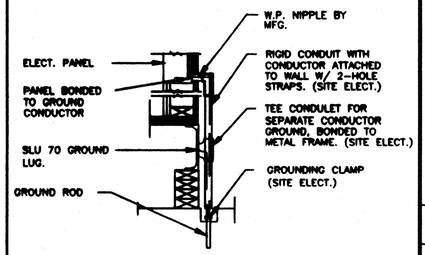
ELECTRICAL LEGEND

- 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.
- (6x6x4) WEATHER PROOF GUTTER BOX + 18" AFF 3/4 CO STUB IN ATTIC. PULLSTRING.
- ELECTRICAL PANEL. + 60" AFF (℄)
- $ SWITCH +48" A.F.F.
- CLOCK. + 96" AFF

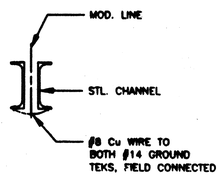


ELECTRICAL PLAN (24' X 40')

1/4" = 1'-0"



TYP GROUNDING DETAIL 1



GROUND JUMPER • MOD LINE 2

NOTES

1. SCHOOL EQUIPMENT ANCHORAGE

THE FOLLOWING IS FOR THE ARCHITECTS INFORMATION ONLY:

THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24, SECTION 2312 (g) 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 FLEXIBLY 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, I = 1.0 AND SEISMIC ZONE , Z = 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.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 100596
AC FLS SS
DATE AUG 10 1998

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 116318
AC FLS SS
DATE 051215

REVISED

REVISIONS			
1			
2			
3			
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5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal: REGISTERED PROFESSIONAL ENGINEER JOHN T. SMITH No. 1002 STRUCTURAL STATE OF CALIFORNIA — LICENSE EXPIRES 6-30-2000

Architects Seal: LICENSED ARCHITECT GEORGE C. EPPS No. C 2956 REN. 9-30-97 STATE OF CALIFORNIA

Division of the State Architect: IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-266 AC FLS SS DATE JUN 23 1997

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PROJECT NUMBER: 2900

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4012-083

ELECTRICAL PLAN

drawn by: RM
date:
checked by:
date:
Modtech project no: 2762 2852 2854 2900 2818

MODTECH Index No.

E1.0

PROJECT NO. STKP-37

FILE # P266E10.DWG

PC-266