

### ELECTRICAL PANEL SCHEDULE

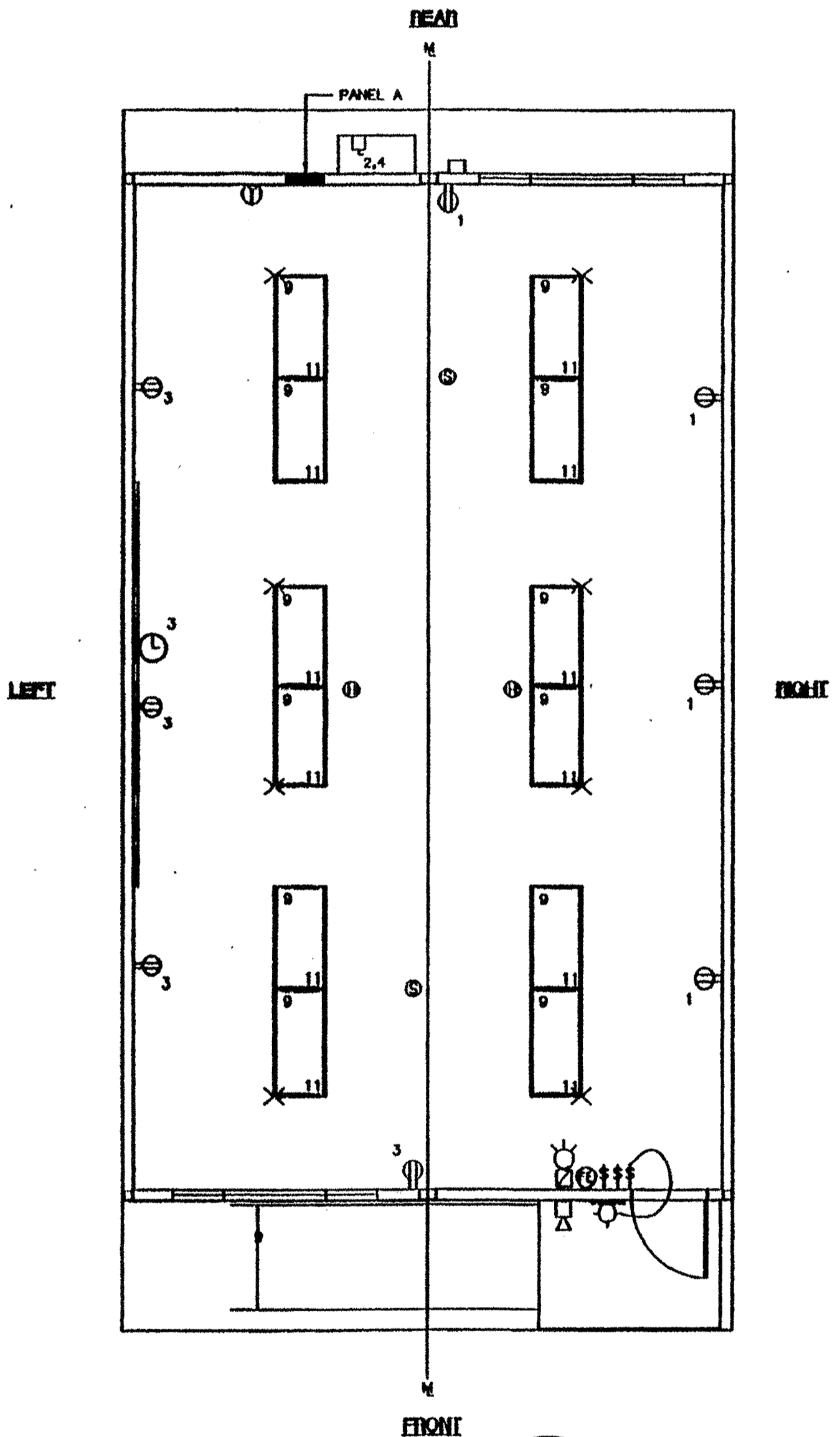
LOAD	PANEL: A								FEED: REAR		
	WATTS		LOCATION: REAR/WESTWING				WATTS		MOUNTING: FLUSH		
	AP	BP	AP	BP	AP	BP	AP	BP	AP	BP	
RECEPTACLE (4)	720	20	1	1	2	2	20	20	3640	3640	
RECEPTACLE/CLOCK (0)		840	20	1	3	4	--	--	3640	3640	
INT/EXT LIGHTS (13)	800	20	1	8							
INT. LIGHTS (12)		840	20	1	11	22	--	--			
WATTS/PHASE	A = 5180	1620	1740						3640	3640	
TOTAL	10440	WATTS	44	AMP	120/240	VOLTS	SINGLE	Ø	THREE	WIRE	
NCL = 13180		WATTS									

### GENERAL GROUNDING NOTES

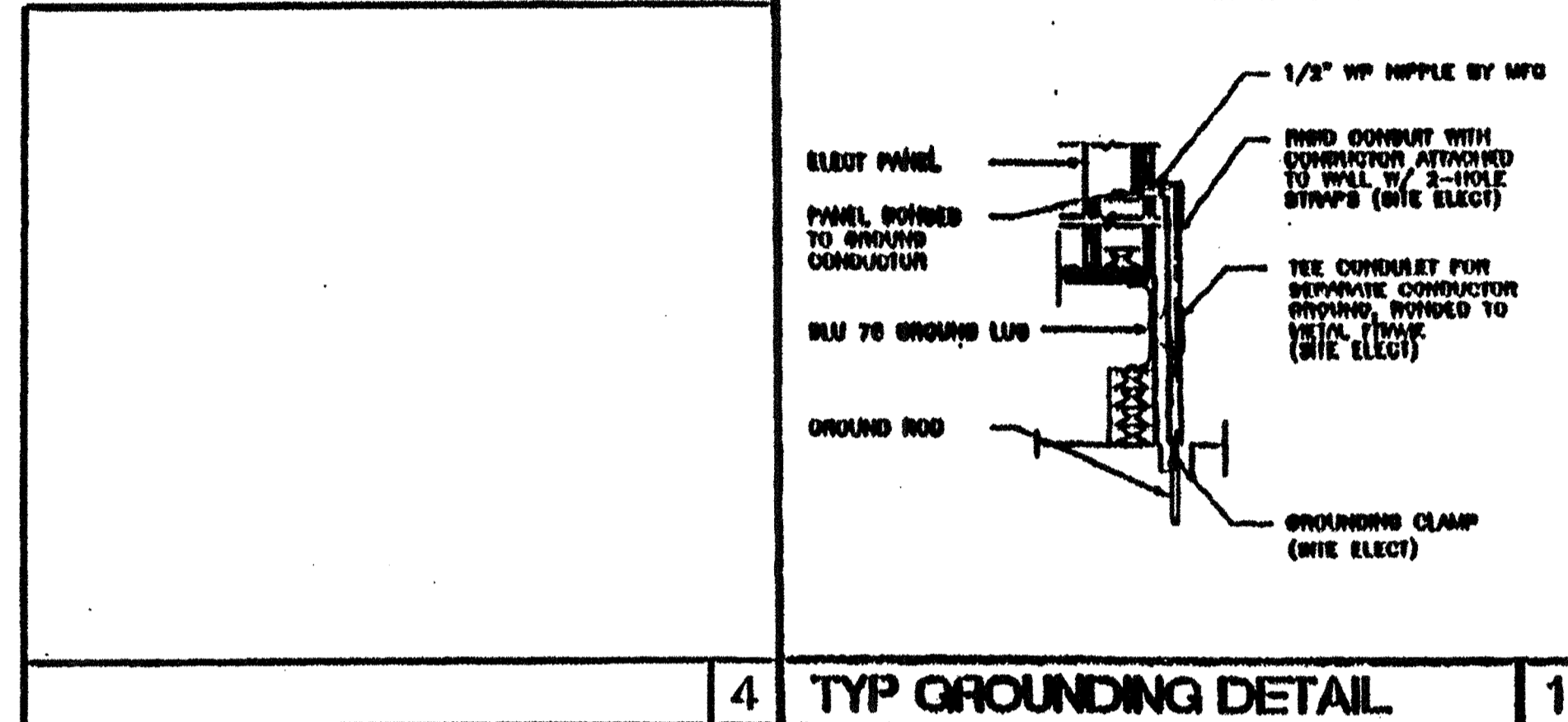
- EACH BUILDING SHALL BE SEPARATELY GROUNDING WITH A 2" x 4" x 1/2" GROUND ROD. THE GROUND ROD SHALL BE INSTALLED IN THE REAR WALL OF THE BUILDING. THE GROUND ROD SHALL BE INSTALLED AT AN ANGLE NOT TO EXCEED 45 DEGREES FROM THE VERTICAL, OR SHALL BE CURVED IN A TRUNCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL).
- TESTING SHALL BE PERFORMED TO DETERMINE IF RESISTANCE EXCEEDS 25 OHMS. SHOULD APPROVED GROUNDING RODS BE INSTALLED AT LEAST 6"-8" FROM THE WALLS. RESISTANCE IS RELATED TO SOIL GRAIN OR LESS. (BY SITE ELECTRICAL)
- APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THE FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAY BE INSTALLED TO BE COMPATIBLE WITH THE LOCATION, LOCAL REQUIREMENTS OR INCOMPATIBLE COMPONENTS.
- SHOULD THE TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT ENGINEER. ALL GROUNDING SHALL BE IN ACCORDANCE WITH THE ABOVE NOTES.

### ELECTRICAL LEGEND

- 2" x 4" 4 FLUKE FLUORESCENT LIGHT FIXTURE
- EXTERIOR LIGHT FIXTURE AT +0.3' AFF
- SWITCH AT +0.0' AFF
- DUPLEX WALL RECEPTACLE 15A 120V 3 WIRE AT +0.1' AFF 1W
- HVAC UNIT (17)
- 
- 
- 
- 
- 
- 
- CLOCK AT +0.0' AFF
- DATA LINE
- 4SD J-BOX FOR HEAT DETECTOR (ATTIC) \*
- 4SD J-BOX FOR SMOKE DETECTOR (ATTIC) \*

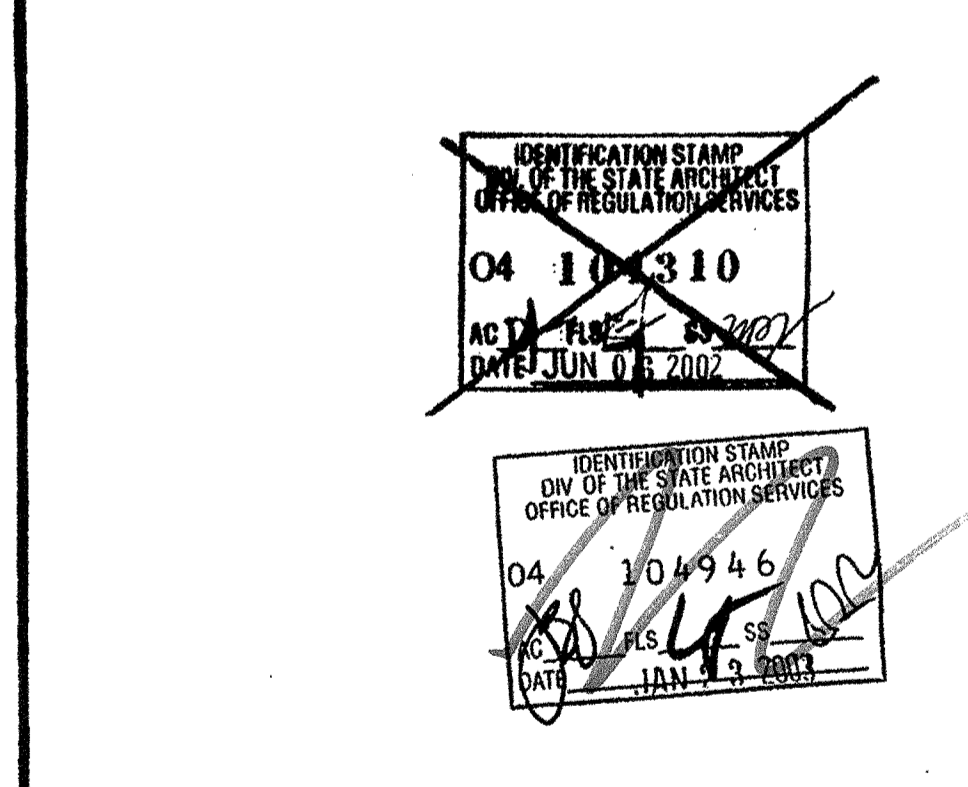


\* SMOKE & HEAT DETECTORS SHOWN ARE FOR OPTION AUTOMATIC DETECTION. IF ELECTED AS AN OPTION THEY MUST BE PROVIDED BY DISTRICT. NO PROFESSIONAL WILL BE RESPONSIBLE FOR THIS CONTRACT. AND NO EQUIPMENT WILL BE PROVIDED BY MOD-TECH.



4 TYP GROUNDING DETAIL 1

### GROUND JUMPER • MOD LINE 2



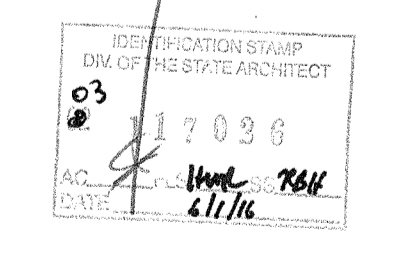
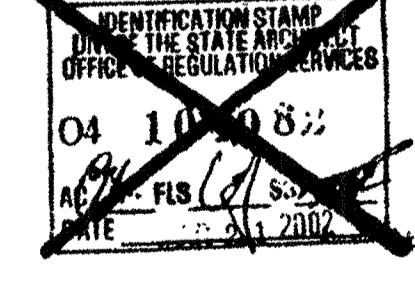
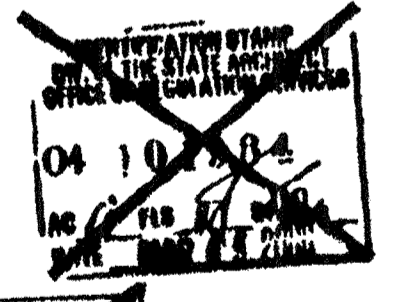
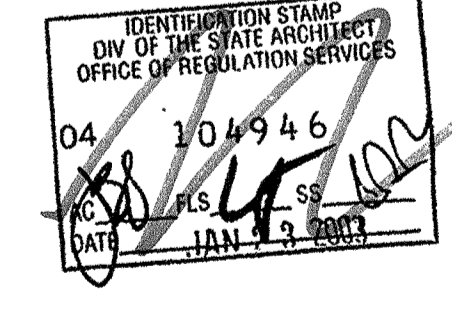
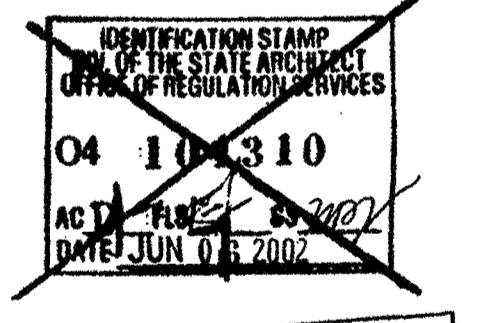
### NOTES

- SCHOOL EQUIPMENT ANCHORAGE  
THE FOLLOWING IS FOR THE ARCHITECT'S INFORMATION ONLY:  
THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL BE IN ACCORDANCE WITH THE 1997 UBC AND THE 1997 UBC. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT SHALL BE PROVIDED BY THE ARCHITECT. EQUIPMENT WEIGHTS LESS THAN 50 LBS MAY BE OBTAINED FROM THE PLANS.  
FOR ELECTRICAL EQUIPMENT:  
ALL ELECTRICAL EQUIPMENT SHALL BE SECURED OR ANCHORED TO RESIST A HORIZONTAL FORCE AS SHOWN IN ANY DIRECTION USING THE FOLLOWING CRITERIA:  

EQUIPMENT ON ROOF:	10% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE:	50% OF OPERATING WEIGHT

  
FOR FLUORESCENT EQUIPMENT USE 4 TIMES THE ABOVE VALUES AND FOR MULTIBAYED VERTICAL FORCE USE 1/2 TIMES THE HORIZONTAL FORCE.  
THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE, Z = 0  
WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD ENGINEER SHALL BE RESPONSIBLE TO THE APPROVAL OF THE ARCHITECT AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.

**ELECTRICAL PLAN** (24'x40')  
OBC 1998 SCALE: 1/4" = 1'-0"



NO.	DESCRIPTION	DATE
1	ADD CONDUIT SIZE FOR OUTER BOX	09-10-01

Architect's Seal: [Signature]

Engineer's Seal: [Signature]

Professional Seal: [Seal]

**MODTECH INC.**  
2830 BARNETT AVENUE  
PERRIS, CALIF. 92572  
PH (909) 943-4014  
FAX (909) 940-0427

PROJECT NUMBER: 4151  
WILLIAMS SCOTSMAN

**ELECTRICAL PLAN** w/o DATA 24'x40'

DRAWN BY: WQ  
DATE: 3/9/02  
CHECKED BY: DATN  
DATE: [Blank]  
**E1.0**

PROJECT NUMBER: 4087