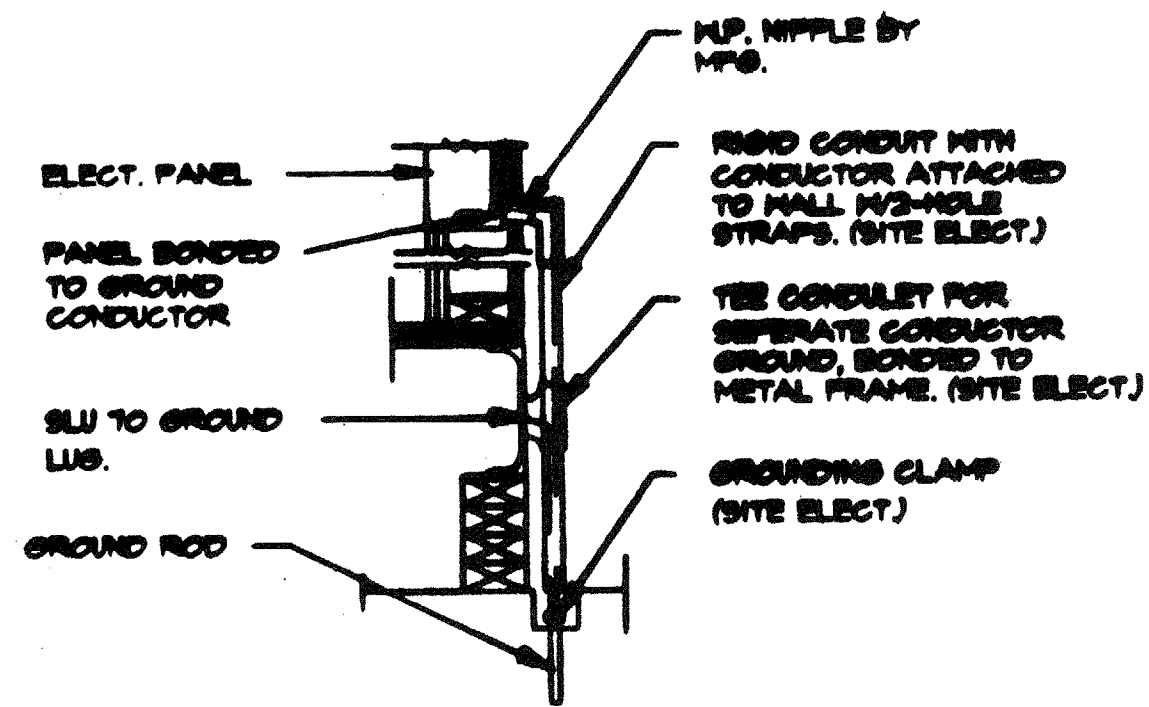
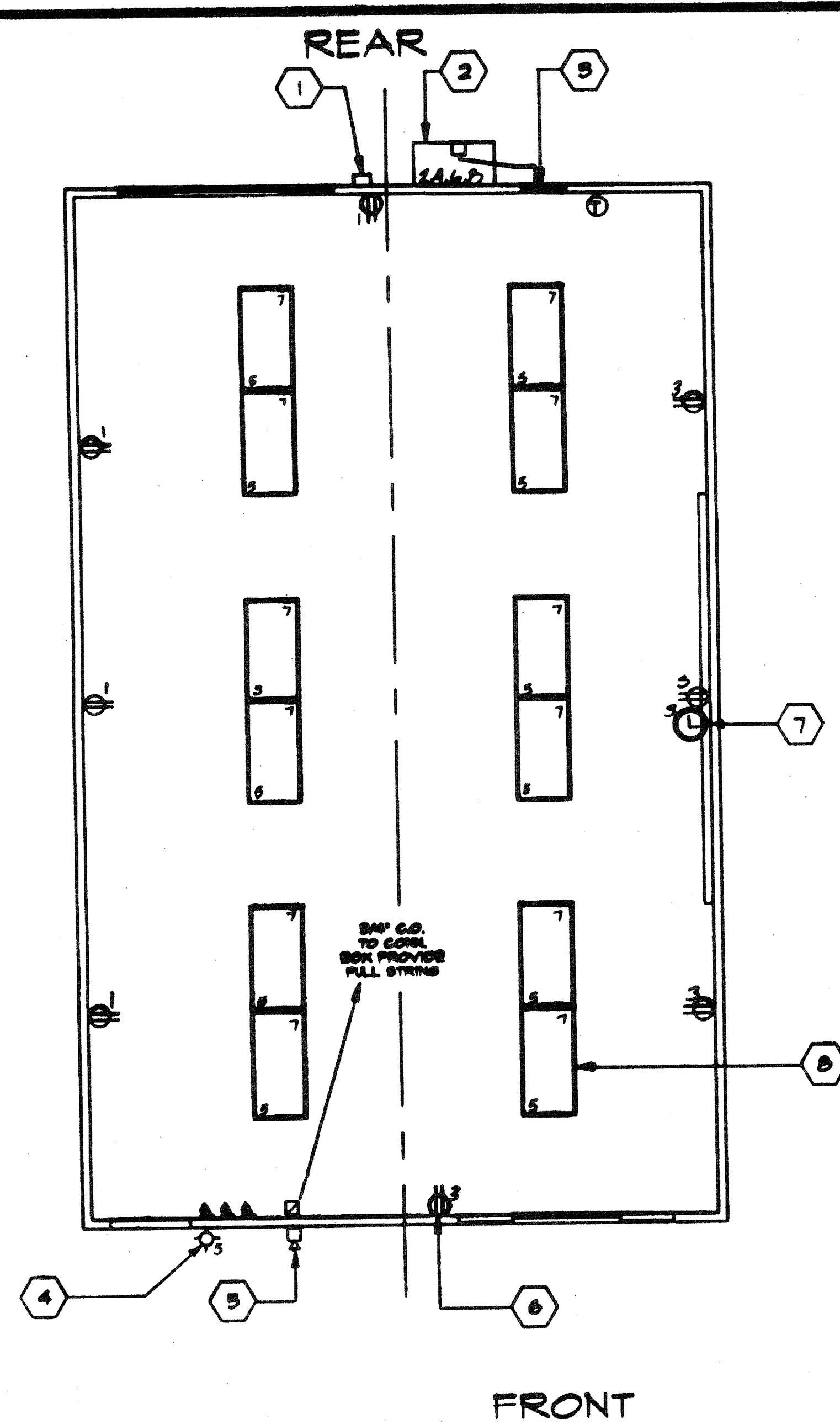


JUMPER @ MOD. LINE



TYPICAL GROUNDING DETAIL

1. EACH BUILDING SHALL BE SEPARATELY GROUNDING WITH A 3/4" ROD, 3/8" COPPER-CLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREES FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 50" 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 MAY BE REQUIRED TO BE CHANGED DUE TO SITE LOCATION, EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.
5. GROUNDING TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE W/C.E.C. ARTICLE 280.



LOAD	WATTS		BREAKER		Amps		P		VOLTS		WATTS		LOAD
	A	B	A	B	A	B	A	B	A	B	A	B	
RECEPTS.	720		20	11			2	50	2	4560			HVAC 4 TON
RECEPTS. & CLOCK	900		20	13			4	-		4560			HVAC 4 TON
INT. / EXT. LIGHTS	1080		20	15			6	30	2	3120			HVAC HEAT STRIPS
INT. LIGHTS	960		20	17			8	-		3120			HVAC HEAT STRIPS
				9			10						
				11			12						
				13			14						
				15			16						
				17			18						
WATTS/PHASE	A = 9,480	1780	1860							7680	7680	B = 9,540	WATTS/PHASE
TOTAL	19,505	WATTS (81.27) 82 AMPS (120/240 VOLTS)											3 WIRE

NCL = 16,980

ELECTRICAL PLAN

SCALE 1/4"=1'-0"

- ### KEY NOTES
- 1 4/SDP WEATHER PROOF GUTTER BOX +18" (6X6X4)
 - 2 HVAC UNIT (SEE SHT. M-1)
 - 3 ELECTRICAL PANEL "A" TYPE-B10 12/20
 - 4 EXTERIOR LIGHT FIXTURE
 - 5 4x JUNCTION BOX FOR FIRE ALARM
 - 6 DUPLEX WALL RECEPTACLE 15-A 125-V 3-WIRE
 - 7 CLOCK OUTLET (SEE SPEC'S)
 - 8 2'X4' FLUORESCENT LIGHT AND FIXTURE 4-TUBE (SEE SPEC'S)

- ### LEGEND
- 2' X 4' FLUORESCENT LIGHT FIXTURE WITH 4-TUBE (SEE SPEC'S)
 - ⊕ EXTERIOR LIGHT FIXTURE +7'-6"
 - S SWITCH +48"
 - ELECTRICAL PANEL TYPE-B10 12/20 +5'-0"
 - ⊕ DUPLEX WALL RECEPTACLE 15-A 125-V 3-WIRE +18"
 - ⊕ THERMOSTAT +48" ⊕ MAX.
 - ⊕ "J" BOX FOR FIRE ALARM EXT. HORN/BELL +8'-6"
 - ⊕ F/A. PULL STATION +48"
 - 4/SDP EXTERIOR WEATHERPROOF GUTTER BOX (6X6X4) +18"
 - ⊕ CLOCK OUTLET +7'-6"
 - EXIT ILLUMINATED EXIT SIGN

CLASS. 033 4012-074

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT

MODTECH INC.
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FX. (909) 940-0427

JOB NO # 2510 #2514 #2515

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROX 110574
AC. M. PLS. K. S. P. REC.
DATE: SEP-2-3-2015

DRAWN BY RN
DATE
CHECKED BY
DATE 2/7/96

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ELECTRICAL PLAN E1.0