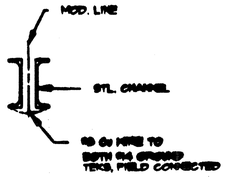
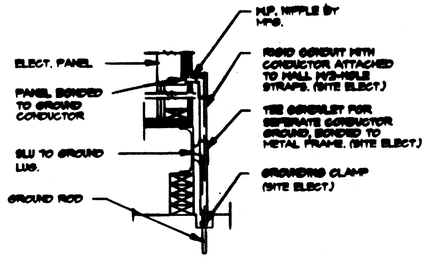
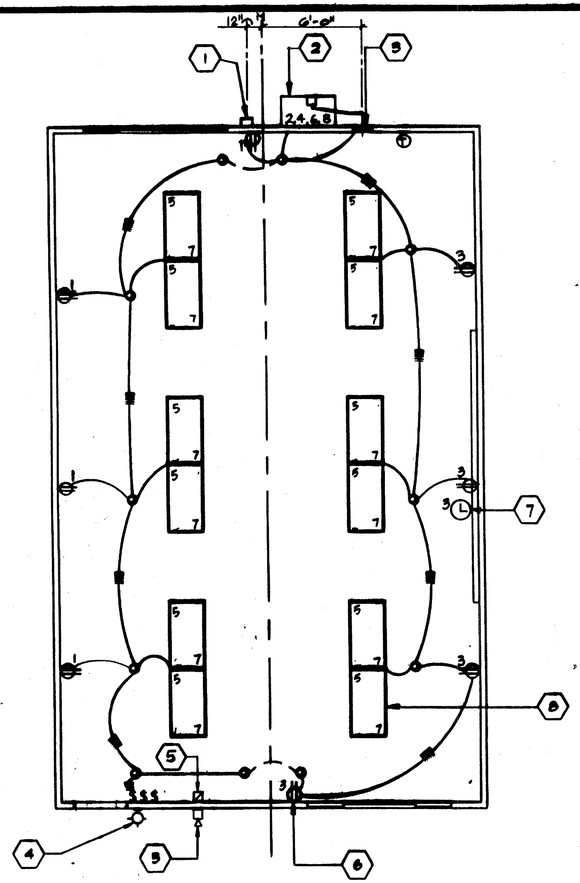


JUMPER @ MOD. LINE



TYPICAL GROUNDING DETAIL

1. EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 5/8" RD.X8' COPPERCLAD 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 30" DEEP. (BY SITE ELECTRICAL)
2. TESTING: TEST FOR RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPERATED 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 2.
4. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THE FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION, EXISTING CONDITIONS OR INCOMPATABLE COMPONENTS.
5. GROUND MEGGER TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. GROUNDING SHALL BE IN ACCORDANCE W/ C.E.C. ARTICLE 250



FRONT

VOLTS: 120/240 V			PANEL A						FEED: BOTTOM		
MAIN: 100 A			LOCATION: INTERIOR						MOUNTING: FLUSH		
LOAD	WATTS		BREAKER	P	CKT	A	B	CKT	BREAKER	P	WATTS		LOAD
	NF	SF	Amps						Amps		NF	SF	
RECEPTS	720		20	1	1			2	50	2	3840		HVAC-3½ TON
RECEPT'S / CLOCK		900	20	1	3			4	—	—		3840	HVAC-3½ TON
INTERIOR LIGHTS	960		20	1	5			6	30	2	2500		HEAT STRIP
INTERIOR/EXTERIOR LIGHT		1080	20	1	7			8	—	—		2500	HEAT STRIP
FIRE ALARM	40				9			10					
					11			12					
					13			14					
					15			16					
					17			18					
WATTS/PHASE A = 7580	720	1960									7680	7340	B = 15020 WATTS/PHASE
TOTAL = 15,905 WATTS	67 AMPS					120/240 VOLTS					1 Ø		3 WIRE

NCL = 13380 W.

ELECTRICAL PLAN

SCALE 1/4"-1'-0"

KEY NOTES

1. (6x6/4) WEATHER PROOF GUTTER BOX +18" AFF.
2. HVAC UNIT (SEE SHT. M 1.0)
3. ELECTRICAL PANEL "A" TYPE-BIO 12/20
4. EXTERIOR LIGHT FIXTURE
5. 4s 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 +90" A.F.F.
- $ SWITCH +48" A.F.F.
- ELECTRICAL PANEL +60" A.F.F. 1½" POWER NIPPLE JUMPER BY SITE ELECTRICIAN
- DUPLEX WALL RECEPTACLE 15-A 125-V 3-WIRE +18" A.F.F. U.N.O.
- (T) THERMOSTAT +48" A.F.F.
- 4"S "J" BOX FOR EXT. F.A. HORN +96" A.F.F. ¾" C/O ☐ PULLSTRING
- 4"S "J" BOX FOR INT. F.A. PULL STATION +48" A.F.F. ¾" C/O TO ☐. (PULL STRING)
- 4s J BOX FOR INT. FA STROBE W/ ¾" CO TO ☐ PULLSTRING +80" AFF
- 4/SDP EXTERIOR WEATHERPROOF GUTTER BOX +18" A.F.F. ¾" CO TO RECEIVE FA C/O
- (L) CLOCK OUTLET +96" A.F.F.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
OS 100690
AC FLS SS
DATE SEP 13 2016

4012-085 STKP-40

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT
				GEORGE C. EDMONDSON LIC. C 2356 REN. 9-30-98 STATE OF CALIFORNIA	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES AC FLS SS DATE

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DATE

ELECTRICAL PLAN

E1.0