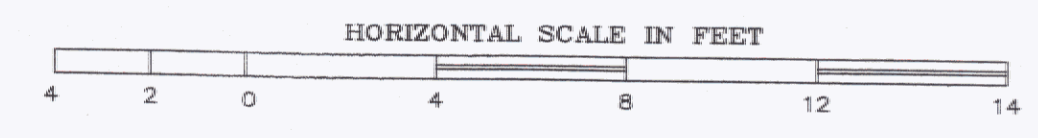


ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"



PANEL: MP AMPS: 150 MAIN CIRCUIT BREAKER AMPS FAULT CURRENT WITHSTAND: 10K NOTES: SERVICE RATED TOTAL LOAD: 40.5 KW			LOCATION: BREAK ROOM 120/240 VOLTS 1 PHASE 3 WIRE				
			SURFACE MOUNT				
NO	BREAKER AMPS	KW LOAD	DESCRIPTION	NO	BREAKER AMPS	KW LOAD	DESCRIPTION
1	20	0.6	RECEPTACLES GFI	2	20	0.7	EXHAUST FAN <i>Space</i>
3	20	0.6	RECEPTACLES GFI	4	20	1.5	GARAGE DOOR
5	20	1.3	RECEPTACLES GFI <i>Space</i>	6	20	1.5	GARAGE DOOR <i>Space</i>
7	20	0.5	HEATING CONTROL POWER <i>Space</i>	8	20	1.5	GARAGE DOOR <i>Space</i>
9	20	1.5	BOILER B-1/PUMP P=7 <i>Space</i>	10	20	1.5	GARAGE DOOR
11	20	1.0	CIRC. PUMPS P-1 THRU P-5 <i>Space</i>	12	20	1.5	GARAGE DOOR
13	20	0.7	CIRC. PUMPS P-6 <i>Space</i>	14	20	1.5	GARAGE DOOR
15	20		SPARE	16	20	1.7	BAY LIGHTING
17	20		SPARE	18	20	1.0	OUTDOOR BUILDING LIGHTING
19	70A		ATS <i>Generator Panel (GP)</i>	20	20	0.6	MECH. ROOM RECEPTACLES <i>Space</i>
21				22	20	0.6	AIRPORT LIGHTS <i>Space</i>
23				24	20	0.2	GENERATOR POWER <i>Space</i>
25				26	20	0.2	GENERATOR BATTERY CHARGER
27				28	20		SPARE <i>Exhaust Fan and Louver</i>
29				30	20		SPARE <i>Motor</i>

* DENOTES CONNECTION THRU GENERATOR TRANSFER SWITCH

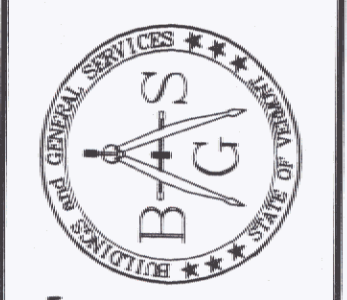
Generator Panel (GP)

7 Bay Lighting	2 Airport Lights
3 Bay GFI Recept	4 Garage Door
5 Mech. Room Recept + Lights	
7 Circ. Pump P-6	
9 Boiler B-1 / Pump P-7	
11 Circ. Pump P-1 thru P-5	

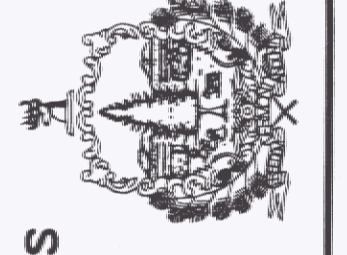
- KEYED NOTES:**
- TO EXHAUST FAN & INTAKE LOUVER. CO SENSOR & TIMER SWITCH PROVIDED BY MC, WIRED BY EC.
 - 120V LINE TO OUTDOOR AIR SENSOR, COORD. WITH MC.
 - OVERHEAD DOOR OPENER. PROVIDE WIRING TO REMOTE DOOR OPENING STATION. COORDINATE LOCATION & WIRING REQUIREMENTS WITH OWNER & EQUIPMENT SUPPLIER.
 - ALL WIRING IN THIS AREA SHALL CONFORM TO NEC ARTICLE #513. ALL RECEPTACLES SHALL BE MOUNTED AT 24" AFF.
 - PROVIDE 120V CIRCUIT & JB FOR USE BY MC FOR CONTROL WIRING. COORD. EXACT LOCATION WITH MC.
 - TELEPHONE SERVICE TERMINATION AREA.
 - NEW GENERATOR & TRANSFER SWITCH PROVIDED BY OWNER. CONCRETE PAD & GAS CONNECTION PROVIDED BY OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OTHER INSTALLATIONS & ALL WIRING.

ELECTRICAL LEGEND

	FLUORESCENT FIXTURE
	LIGHT FIXTURE
	SWITCH - SINGLE POLE
	SWITCH - SINGLE POLE WITH GAS BURNER PLATE
	SWITCH - 3-WAY
	SWITCH - 4-WAY
	ATS AUTOMATIC TRANSFER SWITCH
	PUSH-BUTTON STATION, PROVIDED BY ES, WIRED BY EC.
	MOTOR STARTER PROV. BY MC, INSTALLED BY EC
	SAFETY DISCONNECT PROV. AND INSTALLED BY EC. PANEL
	BRANCH CIRCUIT
	JUNCTION BOX
	DUPLEX RECEPTACLE
	QUAD RECEPTACLE
	DUPLEX RECEPTACLE - COUNTER HEIGHT
	DUPLEX RECEPTACLE-GFCI PROTECTED
	WP WEATHERPROOF, NEMA 3R RATED
	AFF ABOVE FINISH FLOOR
	EC ELECTRICAL CONTRACTOR (DIVISION 16)
	MC MECHANICAL CONTRACTOR (DIVISION 15)
	GC GENERAL CONTRACTOR
	ES EQUIPMENT SUPPLIER
	TYP. TYPICAL OF ALL
	NEC NATIONAL ELECTRIC CODE
	HTL HIGH TEMP. LIMIT SWITCH, PROV. BY MC, WIRED BY EC
	LWC LOW WATER CUTOFF, PROV. BY MC, WIRED BY EC
	MOTOR
	MDD MOTOR-OPERATED DAMPER
	PS PRESSURE SWITCH
	PHONE LOCATION (4" SQUARE BOX WITH 3/4" CONDUIT TO TELEPHONE TERMINATION AREA. PROVIDE EXTENSION RINGS (MUD RINGS) AS REQUIRED.
	PC PHOTOCCELL
	TC-1 TIMECLOCK, 2-CIRCUIT, DIGITAL, ASTRONOMICAL, PROGRAMMABLE



STATE OF VERMONT
Department of Buildings
and General Services
Agency of Administration
Montpelier, Vermont



Pearson & Associates
MECHANICAL & ELECTRICAL ENGINEERS
P.O. BOX 610 STOWE, VERMONT 05672
TEL: (802) 253-9807 FAX: (802) 253-9290
EMAIL: pearson@stowvt.net

AGENCY OF TRANSPORTATION
NEW SNOW REMOVAL EQUIPMENT
BUILDING AT THE CLARENDON
AOT GARAGE
CLARENDON VERMONT

REVISIONS

SCALE: AS SHOWN	DATE: 4-15-2006
	DRAWN BY: ASG
	APPR. BY: EEP

AGENCY OF TRANSPORTATION
SNOW REMOVAL EQUIPMENT
BUILDING
ELECTRICAL
PLAN

E-1

As Built 1/12/07 Lighthouse