

ELECTRICAL LEGEND

- LUMINAIRES**
- CEILING LIGHT
 - WALL LIGHT
 - ⊗ EXIT - WALL
 - ⊕ EMERGENCY LIGHT - DOUBLE HEAD
- WALL SWITCHES**
- \$ SWITCH 48" AFF
 - \$MS MANUAL MOTOR STARTER
- WALL RECEPTACLES**
- ⊕ DUPLEX OUTLET +40" AFF
 - ⊕ SPLIT WIRED DUPLEX OUTLET
 - ⊕ SINGLE SPECIAL PURPOSE OUTLET
- MISCELLANEOUS EQUIPMENT**
- ⊗ MOTOR STARTER
 - SAFETY SWITCH
 - ▨ ELECTRIC PANEL BOARD
 - ⊕ MOTOR
 - ⊕ BRANCH CIRCUIT
- ABBREVIATIONS**
- AFF ABOVE FINISHED FLOOR
 - EC ELECTRICAL CONTRACTOR
 - ES EQUIPMENT SUPPLIER
 - GC GENERAL CONTRACTOR
 - GMP GREEN MOUNTAIN POWER CO.
 - JB JUNCTION BOX
 - GR GROUND
 - GRC GALVANIZED RIGID CONDUIT
 - MOD MOTOR OPERATED DAMPER

ELECTRICAL FIXTURE SCHEDULE

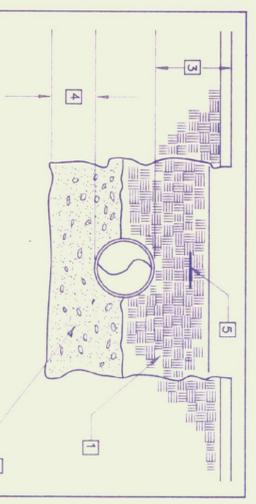
KEY	MANUFACTURER & MODEL	MOUNTING	LAMPS	VOLTAGE	REMARKS
A	GE - UG2535A515E7P SAFETY CHAIN	HOOK / LOOP 19'-6" AFF	250 W - HPS	240	NEMA L6-15PLUG
B	HADCO - VS 1040 HXL P1	10' AFF	35 W - HPS	120	PHOTOCELL CONTROL
C	HIGHEY PHILLIPS - 0820A31 RED SINGLE OBSTRUCTION LIGHT	3/4" GRC - 12" ABOVE ROOF RIDGE	116 W - LH116-125A21D	120	1B CONDUIT ON EXTERIOR WALL - 22' AFF
⊕	LIGHT LARMS - 2P12N1/LH3	4" OUTLET BOX	2 - 12 WATT	12	10' AFF
⊗	LIGHT LARMS - XE8WV-FL	UNIVERSAL	2-7 WATT-FL	120	12" ABOVE DOOR

SPECIAL PURPOSE OUTLET SCHEDULE

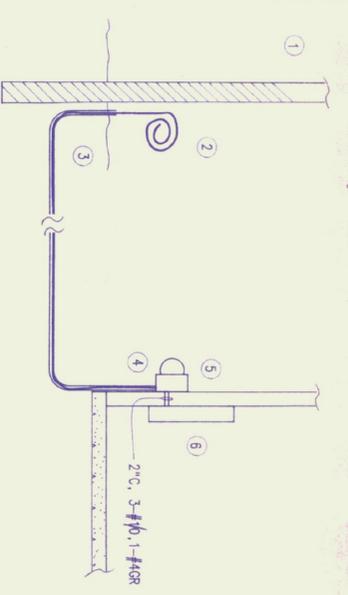
KEY	HEIGHT	ITEM	VOLTS	AMPS	NEMA NO.	HUBBELL CAT. NO.	CONDUIT/WIRE
⊕ 1	40"	WELDER	240	50	10-50R	7962	1" C, 3 - #6
⊕ 2	40"	AUX. HEATER	240	20	6-20R	5461	1/2" C, 3 - #12
⊕ 3	BOTTOM OF PURLIN	TYPE A - FIXTURE	240	15	L6-15R	4580	1/2" C, 3 - #12

MECHANICAL EQUIPMENT SCHEDULE

KEY	DESCRIPTION
EF-1	EXHAUST FAN - GREENHECK SPEC30, 1/3HP, 120 VAC, 5.55HPA, 5875CFM @ .125", 14.3 SONES, FLUSH MOUNTED MOTORIZED DAMPER @ 120VAC, WEATHER HOOD, WALL MOUNT COLLAR, MOTOR SIDE GUARD.
L1, L2	COMBINATION LOUVER / MOTOR OPERATED DAMPER, 48" WIDE x 36" HIGH VENT PRODUCTS MODEL 2000, EXTRUDED ALUMINUM WITH BIRD SCREEN, ADJUST-O-VENT HARDWARE KIT #9027 AND BARBER COLEMAN 120VAC DAMPER ACTUATOR CAT. #MA 418.



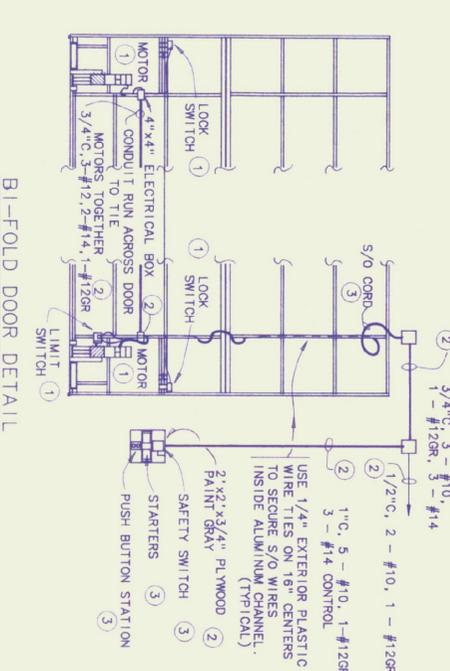
- 1 COMPACTED BACKFILL
 - 2 PIPE BEDDING - COMPACTED SAND, GRAVEL OR CRUSHED STONE.
 - 3 48" MINIMUM DEPTH
 - 4 6" MINIMUM
 - 5 MARKING TAPE - SEE SPECIFICATIONS
- UNDERGROUND SERVICE TRENCH DETAIL
NO SCALE



ELECTRIC SERVICE DIAGRAM

- EXISTING SERVICE POLE
- ELEC. CONTRACTOR TO PROVIDE 3 - #1/0 SERVICE CABLE. CABLE MUST BE LONG ENOUGH TO EXTEND 3 FT. PAST TERMINATION OF SERVICE LATERAL. SECONDARY RACK WITHOUT SPLICE FOR TERMINATION BY GREEN MOUNTAIN POWER CO. ELEC. CONTRACTOR TO SEAL ENDS OF CABLE TO PREVENT ENTRANCE OF MOISTURE DURING CONSTRUCTION.
- 2" CONDUIT WITH LONG RADIUS ELBOWS. MAINTAIN 7" CLEARANCE BETWEEN CONDUIT AND POLE FOR STANDOFF/RISER. INSTALLATION BY GMP. NOTIFY WITH GMP. NOTIFY ENGINEER PRIOR TO BACK FILLING SERVICE TRENCH.
- PROVIDE FROST JOINT AT METER.
- PROVIDE METER BOX PER GMP SPECIFICATION. PROVIDE QUAN. 2, 5/8"x8" LONG GROUND RODS, 6' APART WITH CONTINUOUS #4 COPPER GROUNDING CONDUCTOR. GROUND PER NEC AND GMP REQUIREMENTS.
- POWER PANEL - 1PP WITH 150 AMP MAIN CIRCUIT BREAKER.

- KEYED NOTES**
- PROVIDED BY ES WITH PIGTAIL. EC TO PROVIDE CONNECTOR & TERMINATE PIGTAIL IN JB.
 - PROVIDED BY EC
 - PROVIDED BY ES. INSTALLED BY EC.



BI-FOLD DOOR DETAIL

NO SCALE

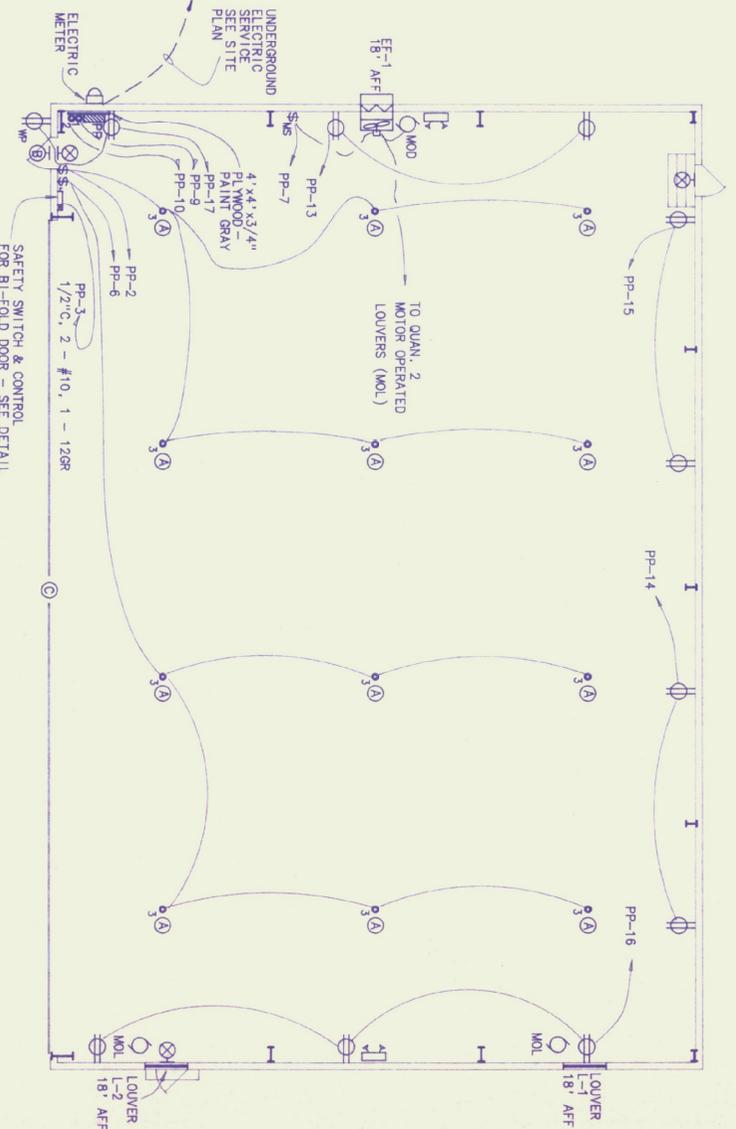
PANEL DESIGNATORS

PANEL : PP

MAINTING: SURFACE
MAIN: 150 AMP - MAIN CIRCUIT BRKR - 120/240V - 1 PHASE - 3 WIRE
BRANCHES: AS SHOWN
CONNECTED LOAD : 16 KW

CKT NO.	KW LOAD	DESCRIPTION	BREAKER P AMP	BREAKER P AMP	DESCRIPTION	KW LOAD	CKT NO.
1	0.5	***	1	20	2	2.4	2
3	2.0	BI-FOLD DOOR	2	30	2	2.4	2
5	-	"	1	20	2	2.4	6
7	0.3	EXH FAN/MOTOR GP - LOUVERS	1	15	-	8	8
9	4.0	WELDER OUTLET	2	50	2	2.0	10
11	-	-	-	-	-	12	12
13	0.5	RECEPTACLES	1	20	1	0.5	14
15	0.5	"	1	20	1	0.5	16
17	0.5	"	1	20	1	0.5	18
19	-	SPARE	1	20	1	-	20
21	-	SPARE	1	20	1	-	22
23	-	SPACE	-	-	-	-	24
25	-	SPACE	-	-	-	-	26
27	-	SPACE	-	-	-	-	28
29	-	SPACE	-	-	-	-	30

*** PROVIDE HANDLE LOCK
** EXIT, EMERGENCY, ENTRY & OBSTRUCTION LIGHTS



ELECTRIC & VENTILATION PLAN



M/E 1

CHENETTE ENGINEERING, INC.

50 STATE STREET
MONTPELIER, VERMONT 05602

NEW AIRPORT HANGER

EDWARD F. KNAPP AIRPORT
MECHANICAL / ELECTRICAL
PLAN DETAILS

DATE: 08/02/90	SCALE: AS SHOWN	REVISIONS:	DWG NO. M/E 1
DRAWN BY: B.W.M.	APPROVED BY: E.E.P.		



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