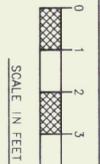
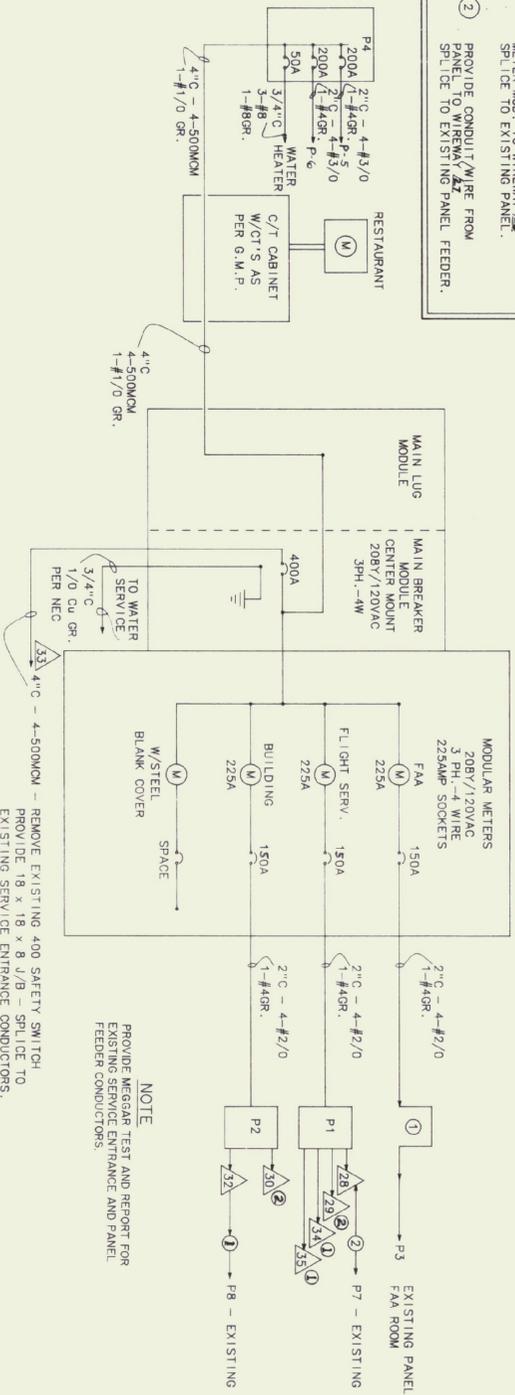


NOTE
PROVIDE GROUNDING BUSHINGS AND GROUNDING PER NEC.

ELECTRIC CONDUITS
WEST WALL BOILER ROOM



- KEYED NOTES:
- 1 PROVIDE CONDUIT/WIRE FROM METER MOD. TO WIREWAY 24. SPLICE TO EXISTING PANEL.
 - 2 PROVIDE CONDUIT/WIRE FROM PANEL TO WIREWAY 27. SPLICE TO EXISTING PANEL FEEDER.



NOTE
PROVIDE MEGAR TEST AND REPORT FOR EXISTING SERVICE ENTRANCE AND PANEL FEEDER CONDUCTORS.

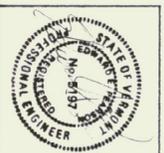
NOTE
REMOVE EXISTING 400 AMP SAFETY SWITCH. PROVIDE 18 x 18 x 8 J/B - SPLICE TO EXISTING SERVICE ENTRANCE CONDUCTORS.

SERVICE ENTRANCE
ONE LINE DIAGRAM - ELECTRIC SERVICE

NO SCALE

WIREWAY & CONDUIT SCHEDULE

ITEM	DESCRIPTION
1	SERVICE ENTRANCE TO 400 AMP FUSED SAFETY SWITCH REMOVE 400 AMP SAFETY SWITCH PROVIDE JUNCTION BOX AND CONDUIT/WIRE TO NEW 400 AMP CIRCUIT BREAKER.
2	3/4" C - WITH GROUND CUT OFF AND ABANDON.
3	EXISTING 8 X 8 WIREWAY TO BE REMOVED.
4	1/2" C - EXISTING CIRCUIT DISCONNECTED EXTEND CONDUIT TO NEW WIREWAY, CAP END OF WIRE.
5	2 1/2" C - EXISTING SUBFEED TO PANEL IN JANITOR'S CLOSET EXTEND CONDUIT/WIRE TO NEW WIREWAY AND SPLICE TO NEW CIRCUIT FROM METER.
6	3/4" BEACON 3-#8 STATIC REGULATOR 3-#12 EXTEND CONDUIT/WIRE TO NEW WIREWAY AND SPLICE TO NEW CIRCUIT FROM PANEL P-1.
7	2 1/2" C - EXISTING SUBFEED TO FAA PANEL EXTEND CONDUIT/WIRE TO NEW WIREWAY AND SPLICE TO NEW CIRCUIT FROM METER.
8	1" C W/SEAL OFF TO GAS PUMP - 3-#8, 2 POLE, 40A AND HOSE REEL 2-#12, 1-#10 REMOVE EXISTING SEALING FITTING AND BE FITTING AND EXTEND CONDUIT/WIRE TO NEW WIREWAY AND CONNECT TO NEW CIRCUIT FROM PANEL P-1.
9	1/2" C - 3-#12, 2 - 20 AMP, 1 POLE CIRCUITS TO OUTLETS EXTEND CONDUIT/WIRE TO NEW WIREWAY AND CONNECT TO NEW CIRCUITS PANEL P-1.
10	1/2" C - 3-#12, 2 - 20 AMP, 1 POLE CIRCUITS TO OUTLETS EXTEND CONDUIT/WIRE TO NEW WIREWAY AND CONNECT TO NEW CIRCUITS PANEL P-1.
11	2 - TELEPHONE CABLES.
12	1/2" C - TO EXISTING BOILER/TEMP. CONTROL TO BE REMOVED.
13	3/4" TO WATER HEATER TO BE REMOVED.
14	1 1/2" C - TO PANEL BEHIND SINK IN JANITOR'S CLOSET REMOVE EXISTING CONDUIT AND WIRE TO EXISTING PANEL P-6. RESTAURANT IN EXISTING PANEL TO BE CHANGED TO NEW PANEL P-6.
15	2" C - TO ELECTRIC RANGE IN RESTAURANT KITCHEN. CONDUIT AND WIRE TO BE REMOVED AND RE-INSTALLED TO EXISTING 100A, 3P, EXISTING PANEL P-7.
16	EXISTING RESTAURANT CIRCUITS FOR SALAD BAR TO BE REMOVED AND RE-INSTALLED TO NEW PANEL P-6. 1-30A/2P, 1-30A/1P, 1-20A/2P, 1-20A/1P.
17	3/4" C - 3 EXISTING 20A/1P CIRCUIT CONNECT TO NEW WIREWAY 22 W/4-#10, 1-#12 GROUND TO NEW PANEL P-1.
18	1/2" C - EXISTING 20A/1P CIRCUIT CONNECT TO NEW WIREWAY 22 W/4-#10, 1-#12 GROUND TO NEW PANEL P-1.
19	1" C - FEEDER TO PANEL IN WEATHER STATION, PROVIDE 4 - #2 AND 1 - #8 GROUND TO NEW WIREWAY 22.
20	2" C - FEEDER TO PANEL IN WEATHER STATION, PROVIDE 4 - #2 AND 1 - #8 GROUND TO NEW PANEL P-1.
21	3 - 1/2" C W/CIRCUITS FOR EXISTING BOILER ROOM CIRCUITS. CONNECT TO NEW WIREWAY 22. EXTEND BOILER ROOM CIRCUITS TO NEW PANEL P-2. EXTEND RESTAURANT CIRCUITS TO PANEL P-1. INCLUDE AN ALLOWANCE OF 4 HOURS TO TRACE AND IDENTIFY EXISTING CIRCUITS.
22	EXISTING 1 - 1/4" C WITH FEED TO EXISTING PANEL P-5. REMOVE ALL CONDUIT AND WIRE. NEW 200 AMP FEEDER TO BE PROVIDED FOR PANEL P-5. SEE SERVICE ENTRANCE ONE-LINE DIAGRAM.
23	EXISTING 1 - 1/4" C WITH FEED TO EXISTING PANEL P-5. REMOVE ALL CONDUIT AND WIRE. NEW 200 AMP FEEDER TO BE PROVIDED FOR PANEL P-5. SEE SERVICE ENTRANCE ONE-LINE DIAGRAM.
24	EXISTING 1 - 1/4" C WITH FEED TO EXISTING PANEL P-5. REMOVE ALL CONDUIT AND WIRE. NEW 200 AMP FEEDER TO BE PROVIDED FOR PANEL P-5. SEE SERVICE ENTRANCE ONE-LINE DIAGRAM.
25	1/2" C AND SPEED CONTROL SWITCH FOR CEILING FAN RELOCATE SPEED CONTROL, CONDUIT AND WIRE TO DOORWAY ADJACENT TO LIGHT SWITCH.
26	PROVIDE 6 X 8 WIREWAY.
27	PROVIDE 8 X 8 WIREWAY.
28	2" C - 4-#2, 1-#8 GROUND TO P-1.
29	1 1/4" C - 12-#10, 1-#10 GROUND TO P-1.
30	1 1/4" C - 12-#10, 1-#10 GROUND TO P-2.
31	2" C - 4-#2/0, 1-#4 GROUND FAA PANEL.
32	1 1/4" C - 4-#2, 1-#8 GROUND CONNECT TO EXISTING FEEDER 5 FOR PANEL IN JANITOR'S CLOSET.
33	4" C - 4-#500 MCM, 1-#1/0 GROUND.
34	1" C - 3-#8, 3-#10, 1-#10 GROUND TO P-1 FOR BEACON AND REGULATOR.
35	1" C - 3-#8, 2-#12, 1-#10 GROUND, GAS PUMP AND HOSE REEL.



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DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

E. F. KNAPP AIRPORT TERMINAL
MECHANICAL/ELECTRICAL RENOVATIONS
BERLIN, VERMONT

DATE:	SCALE:	REVISIONS:	DWG NO.
9/06/91	AS SHOWN		
DRAWN BY:	APPROVED BY:		
B.W.M.	E.E.P.		