

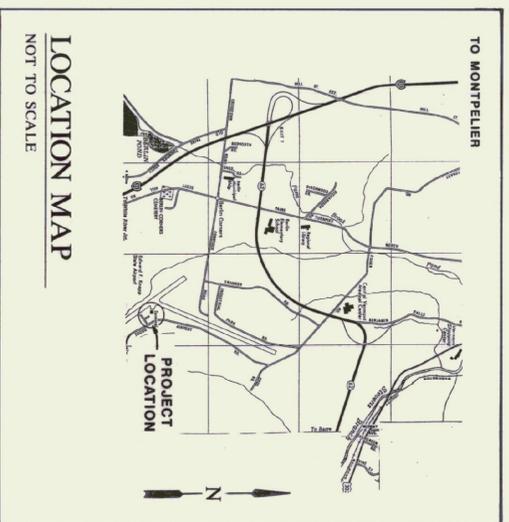
AGENCY OF TRANSPORTATION  
E. F. KNAPP AIRPORT TERMINAL  
MECHANICAL/ELECTRICAL RENOVATIONS  
BERLIN, VERMONT

DEPARTMENT OF STATE BUILDINGS  
JOHN J. ZAMPIERI, COMMISSIONER

PREPARED BY:

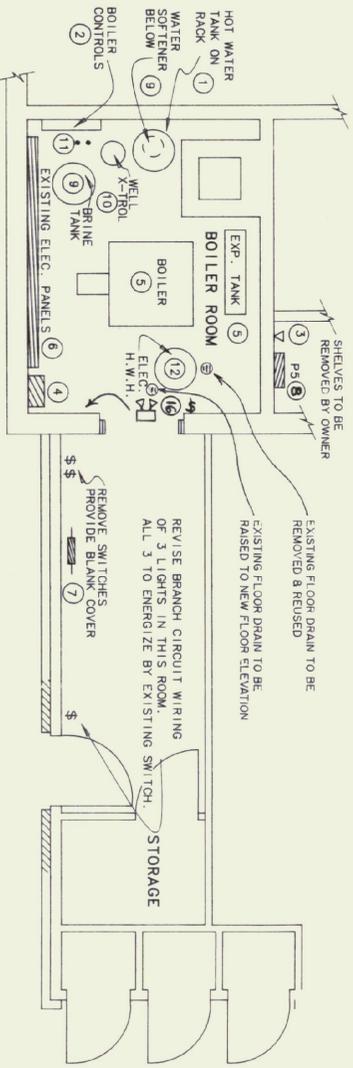
ED PEARSON, ENGINEER  
PEARSON & ASSOCIATES

SEPTEMBER 1991

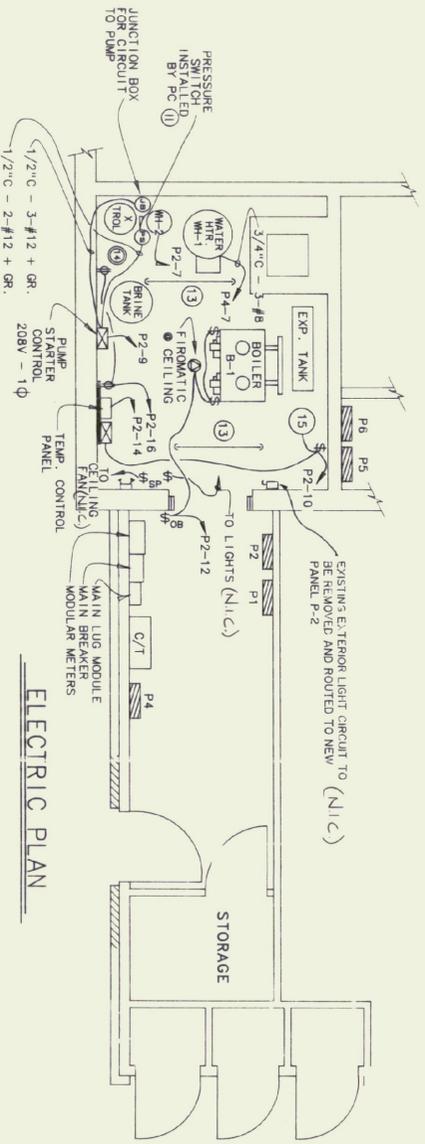


INDEX TO DRAWINGS

SHT 1 DEMOLITION/ELECTRICAL PLAN  
SHT 2 MECHANICAL PLAN  
SHT 3 MECHANICAL SCHEMATIC  
SHT 4 ELECTRICAL SCHEMATIC  
SHT 5 PANEL SCHEDULE



DEMOLITION PLAN



ELECTRIC PLAN

KEYED NOTES

ITEM	DESCRIPTION
1	WATER HEATER TO BE REMOVED AND PROPERLY DISPOSED. FRAMEWORK TO BE USED FOR TEMPORARY EQUIPMENT SUPPORT DURING CONSTRUCTION OF NEW FLOOR. REMOVE FRAMEWORK AND DISPOSE AFTER NEW FLOOR IS INSTALLED.
2	REMOVE AND DISPOSE EXISTING BOILER CONTROLS.
3	MOVE TELEPHONE OUTLET 24" FROM PANEL P-5 TO ALLOW INSTALLATION OF NEW PANEL P-6. (N.I.C.)
4	EXISTING 400 AMP SERVICE ENTRANCE SWITCH TO BE REMOVED. PROVIDE 18 X 18 X 8 J/B. PROVIDE CONDUIT/WIRE FROM J/B TO NEW SERVICE ENTRANCE SWITCH. (N.I.C.)
5	REMOVE AND DISPOSE EXISTING BOILER SYSTEM, EXPANSION TANK AND PIPING.
6	EXISTING ELECTRIC SERVICE, PANELS, METERS, SWITCHES TO BE REMOVED. DISCONNECT AND REMOVAL OF EXISTING ELECTRICAL SERVICE TO BE SCHEDULED SUCH THAT THERE IS NO INTERRUPTION OF EXISTING TENANT ACTIVITIES. (N.I.C.)
7	TELEPHONE CABLE AND SPLICE TO BE MOVED AND NEW SERVICE SPLICE INSTALLED BY NEW ENGLAND TELEPHONE. CO-ORDINATE WITH NEW ENGLAND TELEPHONE. (N.I.C.)
8	EXISTING PANEL P-5.
9	WATER SOFTENER AND WATER SOFTENER BRINE TANK TO BE DISCONNECTED AND TEMPORARILY INSTALLED ON PLATFORM ABOVE LEVEL OF NEW FLOOR AND THEN RE-INSTALLED AFTER NEW FLOOR IS INSTALLED.
10	WELL X-TROL TO BE REMOVED, TEMPORARILY INSTALLED ABOVE LEVEL OF NEW FLOOR AND RE-INSTALLED AFTER NEW FLOOR IS INSTALLED.
11	POWER TO SUBMERSIBLE PUMP AND WATER SERVICE FROM PUMP - 1" WATER SERVICE AND ELECTRIC TO PUMP TO BE EXTENDED TO ABOVE NEW FLOOR LEVEL. INSTALL PRES. SWITCH, PUMP STARTER, SHUT OFF VALVES ABOVE NEW FLOOR LEVEL.
12	DISCONNECT EXISTING ELEC. WH-3, TEMPORARILY INSTALL IN STORAGE ROOM. DISCONNECT & REMOVE TEMPORARY ELECTRIC & PIPING AFTER WH-3 IS IN SERVICE.
13	REPLACE EXISTING LIGHT FIXTURE WITH KEYSTONE CR248-HO-A OR EQUAL. 2-F48T12/CW/HO LAMPS. (N.I.C.)
14	WATER SOFTENER - PROVIDE 120 V DUPLEX SURFACE MTD. 48" AFF.
15	HEAT CIRCUATOR PUMPS P1, P2 & P3. PROVIDE POWER WIRING AND SAFETY SWITCHES. REFER TO MECHANICAL PLANS.
16	EXISTING EMERGENCY LIGHT, LIGHT SWITCH, CONDUIT AND WIRING TO BE RELOCATED TO ALLOW DOORWAY TO BE RAISED 3 FEET. (N.I.C.)

LEGEND

LUMINAIRES

- FLUORESCENT LIGHT
- CEILING LIGHT
- WALL LIGHT
- WALL LIGHT
- EXIT LIGHT - WALL
- EMERGENCY LIGHT - DOUBLE HEAD

WALL SWITCHES

- \$ SWITCH + 50" AFF
- \$<sub>3</sub> THREE WAY SWITCH
- \$<sub>FM</sub> FIREMATIC SWITCH - AT CEILING
- \$<sub>M</sub> MANUAL MOTOR STARTER
- \$<sub>OB</sub> OIL BURNER SAFETY SWITCH
- \$<sub>OP</sub> SWITCH W/ PILOT LIGHT
- \$<sub>SP</sub> SWITCH - SPEED CONTROL

WALL RECEPTACLES

- ⊕ DUPLEX OUTLET +24" AFF
- ⊕ SPLIT WIRED DUPLEX OUTLET
- ⊕ SINGLE SPECIAL PURPOSE OUTLET
- ⊕ DUPLEX OUTLET +50" AFF

MISCELLANEOUS EQUIPMENT

- ⊠ MOTOR STARTER
- SAFETY SWITCH
- PUSH BUTTON STATION
- ELECTRIC PANEL BOARD
- MOTOR
- ⊠ TIME SWITCH
- ⊠ BRANCH CIRCUIT

ABBREVIATIONS

- AFF ABOVE FINISHED FLOOR
- EC ELECTRICAL CONTRACTOR
- ES EQUIPMENT SUPPLIER
- GC GENERAL CONTRACTOR
- MC MECHANICAL CONTRACTOR
- PC PLUMBING CONTRACTOR
- GR GROUND
- GRC GALVANIZED RIGID CONDUIT
- JB JUNCTION BOX
- MOD MOTOR OPERATED DAMPER
- TTB TELEPHONE TERMINAL BOARD



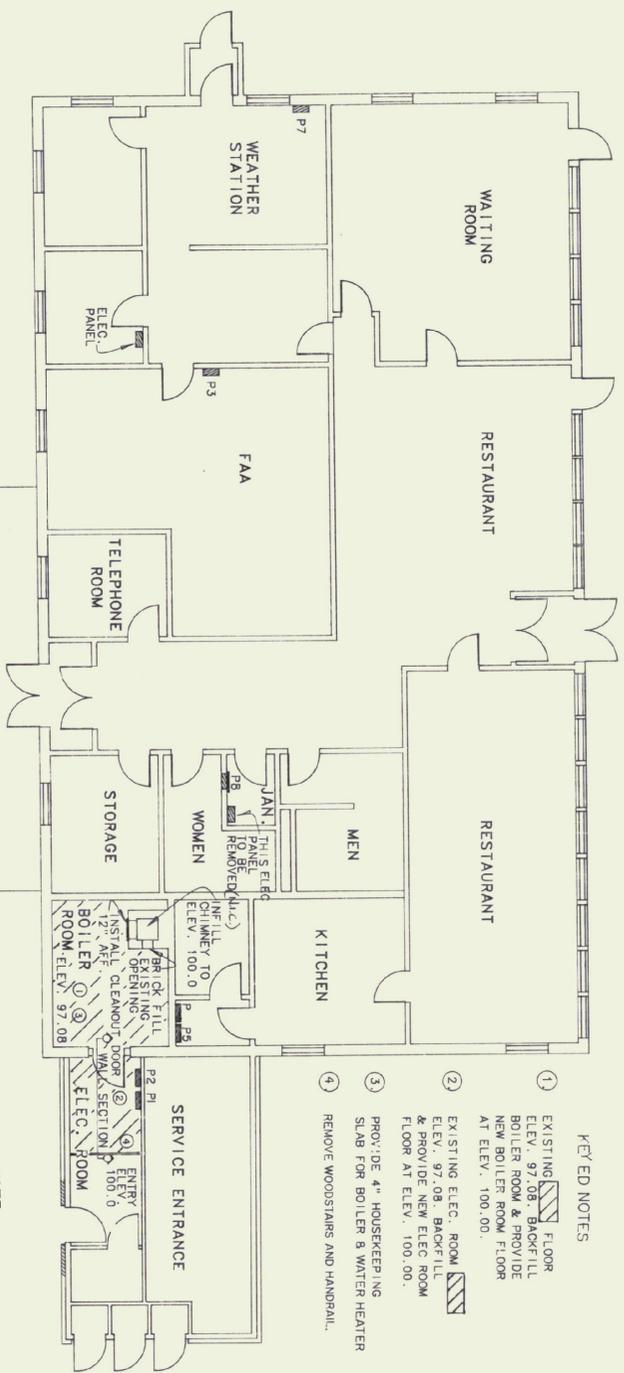
**Pearson & Associates**  
MECHANICAL & ELECTRICAL ENGINEERS

P.O. BOX 610 STOWE, VERMONT 05672  
TEL. (802) 253-9607 FAX (802) 253-9290

STATE OF VERMONT  
DEPARTMENT OF STATE BUILDINGS  
AGENCY OF ADMINISTRATION  
MONTPELIER, VERMONT

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

DATE: 9/06/91	SCALE: AS SHOWN	REVISIONS: DWG NO.
DRAWN BY: B.W.M.	APPROVED BY: E.E.P.	DATE: 3/2/92
		DATE: 5/12/92
		DATE: 5/12/92
		DATE: 5/12/92



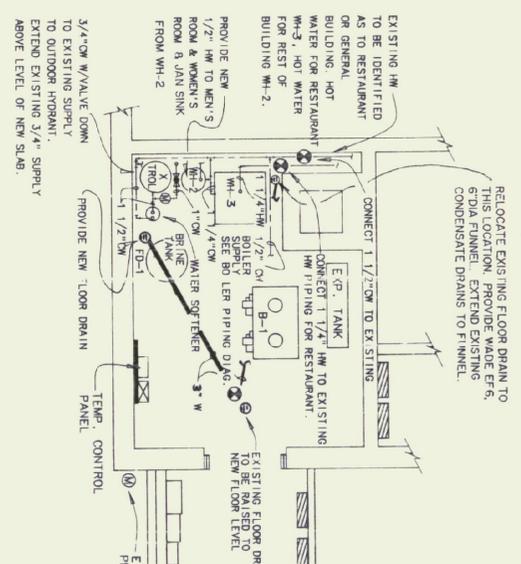
E.F. KNAPP TERMINAL FLOOR PLAN



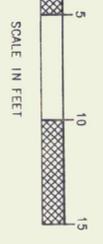
KEY'ED NOTES

1. EXISTING FLOOR ELEV. 97.08. BACKFILL BOILER ROOM & PROVIDE NEW BOILER ROOM FLOOR AT ELEV. 100.00.
2. EXISTING ELEC. ROOM ELEV. 97.08. BACKFILL & PROVIDE NEW ELEC. ROOM FLOOR AT ELEV. 100.00.
3. PROVIDE 4" HOUSEKEEPING SLAB FOR BOILER & WATER HEATER
4. REMOVE WOODSTAIRS AND HANDRAIL.

NOTE  
PROVIDE TEMPORARY CATWALK FOR ELECTRICAL PANELS UNTIL NEW FLOOR IS INSTALLED AT ELEV. 100.00

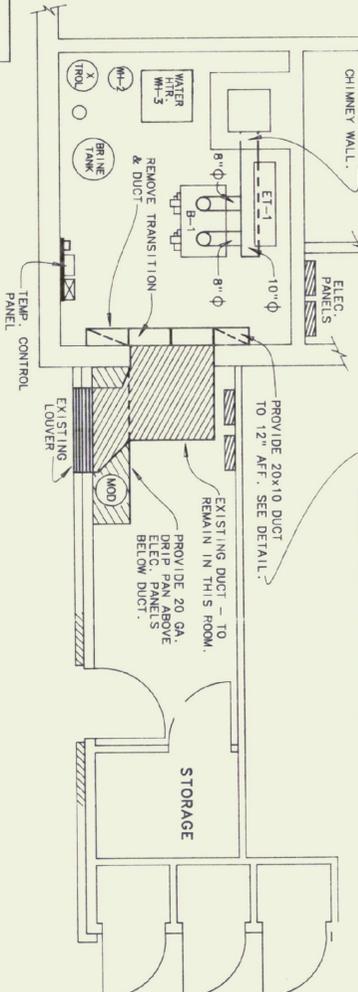


PLUMBING FLOOR PLAN

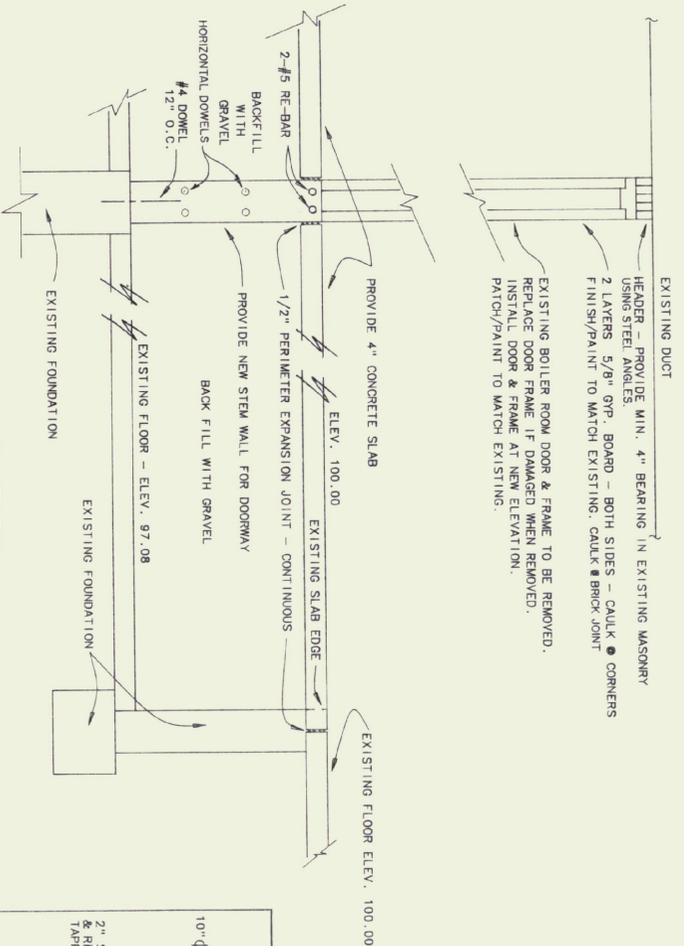


- NOTES:
1. PROVIDE ISOLATION BALL VALVES FOR ALL EQUIPMENT.
  2. EXTEND ALL EXISTING WATER PIPING ABOVE NEW FLOOR LEVEL. PRIOR TO BACK FILLING FOR NEW FLOOR LEVEL.

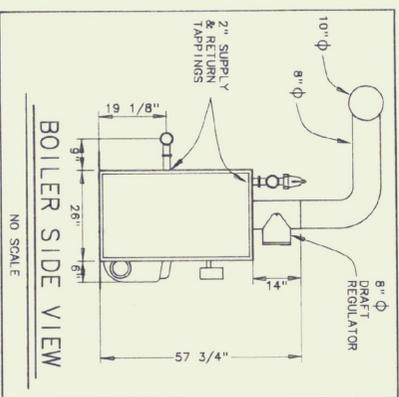
BOILER ROOM DOORWAY NORTH VIEW DETAIL



COMBUSTION/RELIEF AIR DUCT & BREECHING



WALL SECTION



BOILER SIDE VIEW



**Pearson & Associates**  
MECHANICAL & ELECTRICAL ENGINEERS  
P. O. BOX 810 STOWE, VERMONT 05672  
TEL. (802) 253-9607 FAX (802) 253-9290

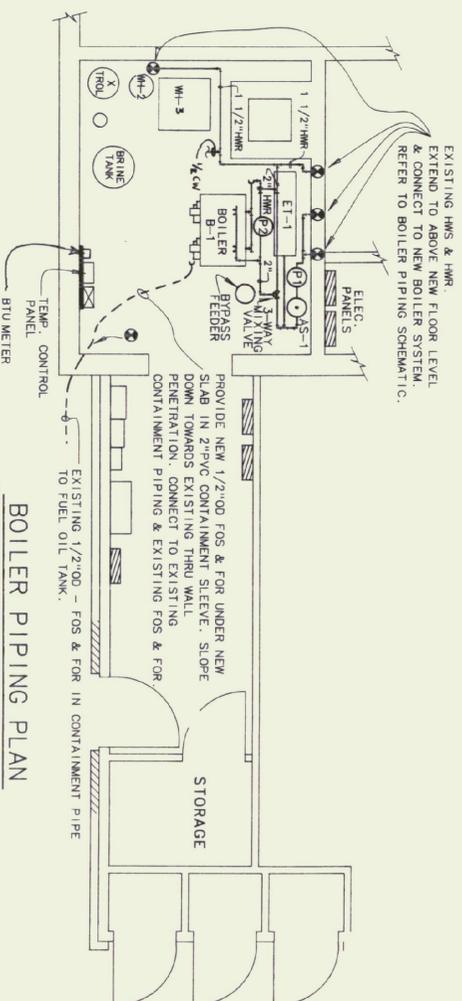
STATE OF VERMONT  
DEPARTMENT OF STATE BUILDINGS  
AGENCY OF ADMINISTRATION  
MONTPELIER, VERMONT

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

DATE: 9/06/91 SCALE: AS SHOWN REVISIONS: 3/2/92 DWG NO. 2 OF 5  
DRAWN BY: B.W.M. APPROVED BY: E.E.P.

LEGEND

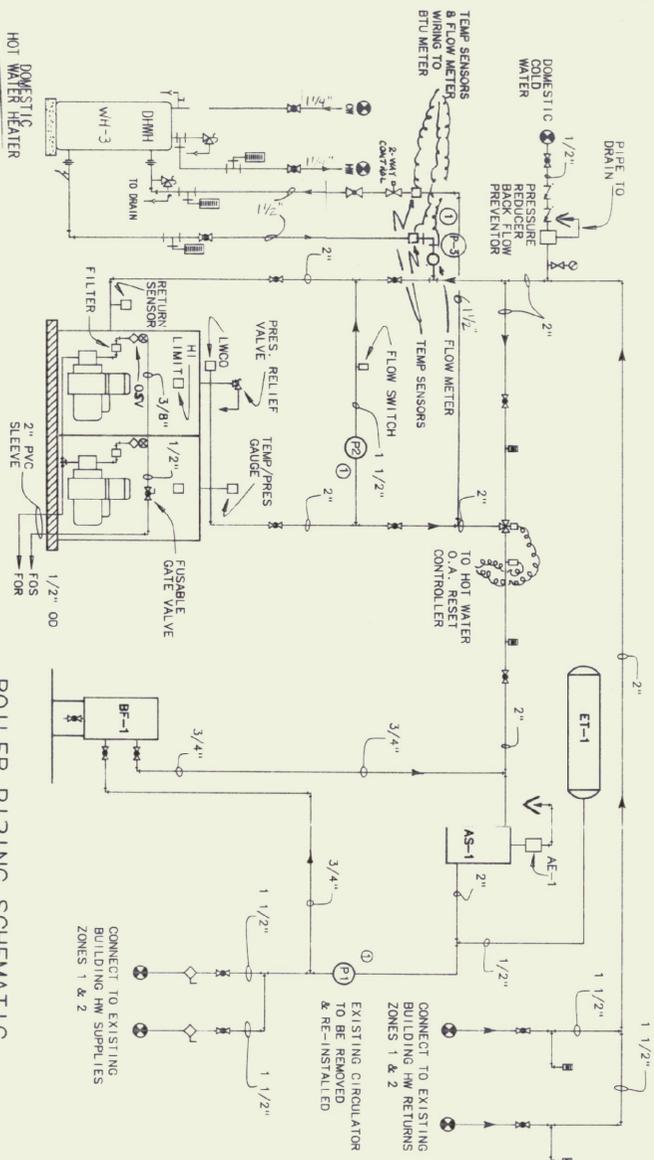
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- HOT WATER SUPPLY
- HOT WATER RETURN
- BALL VALVE
- GATE VALVE
- BALANCING COCK
- CHECK VALVE
- RELIEF VALVE
- TEMPERATURE GAUGE
- PRESSURE GAUGE
- PIPE TO DRAIN
- UNION
- PIPE UP
- PIPE DOWN
- CONNECT TO EXISTING PIPING
- ELECTRICAL CONTRACTOR
- PLUMBING CONTRACTOR
- MECHANICAL CONTRACTOR
- MOTOR OPERATED DAMPER
- KC KITCHEN CONTRACTOR
- AFE ABOVE FINISHED FLOOR
- FOS FUEL OIL SUPPLY
- FOR FUEL OIL RETURN



**BOILER PIPING PLAN**

SCALE IN FEET

**KEYED NOTE:**  
 ① REFER TO IN LINE PUMP DETAIL



**BOILER PIPING SCHEMATIC**

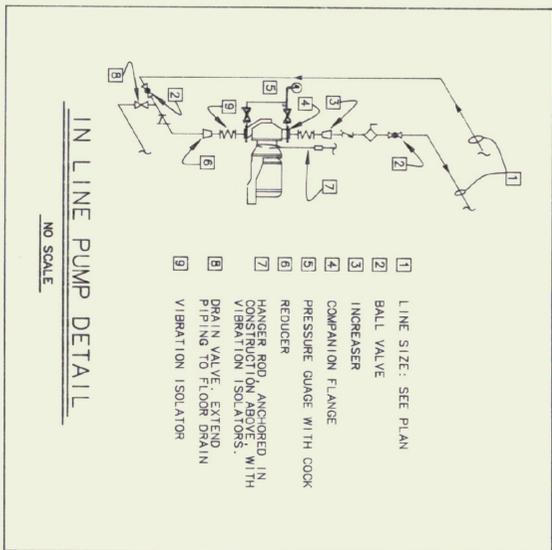
NO SCALE

**PLUMBING EQUIPMENT SCHEDULE**

ITEM	DESCRIPTION
FD-1	FLOOR DRAIN, 2" WADE, W-1102-STD 5 WITH 6" DIA. FUNNEL.
WH-1	WATER HEATER, EXISTING WATER HEATER TO BE REMOVED & TEMPORARILY REINSTALLED, REFER TO NOTE 12 DEMOLITION PLAN.
WH-2	WATER HEATER, BRADFORD-WHITE, MODEL W6USSS, 6 GALLON, 120 VOLT, 1500 WATT INPUT
WH-3	WATER HEATER, ULTIMATE ENGINEERING CORP., INDIRECT WATER HEATER PHASE III TR 120 WITH RELIEF VALVE, MIN. 500 MBH

**MECHANICAL EQUIPMENT SCHEDULE**

ITEM	DESCRIPTION
AE-1	AIR ELIMINATION VALVE, AMTROL MODEL 720
AS-1	AIR SEPARATOR WITH STRAINER AND BLOW DOWN VALVE, 2" AMTROL 2 AS
B-1	BOILER HYDRO THERM NO. 6604, #2 FUEL OIL, 2 MODS, 4.7 GPH, INPUT - 660 MBH, GROSS OUTPUT - 502 MBH, NET OUTPUT - 436 MBH
BF-1	BYPASS FEEDER, 5 GALLON CAPACITY, 3 1/2" QUICK TOP OPERING, CAP WITH 30" STING SEAL, 200 PSI, NEPTUNE # DBR-3 WITH FILTER BAG NEPTUNE # FBK-5
ET-1	EXPANSION TANK, AMTROL AX 60, ASME
P-1	EXISTING CIRCULATOR TO BE REMOVED AND RE-INSTALLED
P-2	CIRCULATOR PUMP, BELL & GOSSETT SERIES HV, 1 1/2", 35 GPM @ 4' HEAD, 1/6 HP, 120 VOLT
P-3	CIRCULATOR PUMP, BELL & GOSSETT SERIES HV, 1 1/2", 20 GPM @ 10' HEAD, 1/6 HP, 120 VOLT
BTU	BTU METER FOR WH-3, HERSEY MODEL 7102 WITH 2 TEMPERATURE SENSORS & MODEL 414 MTX-1 1/2" FLOW METER



**IN LINE PUMP DETAIL**

NO SCALE



**Pederson & Associates**  
 MECHANICAL & ELECTRICAL ENGINEERS  
 P.O. BOX 610 STOWE, VERMONT 05672  
 TEL. (802) 253-9607 FAX (802) 253-9290

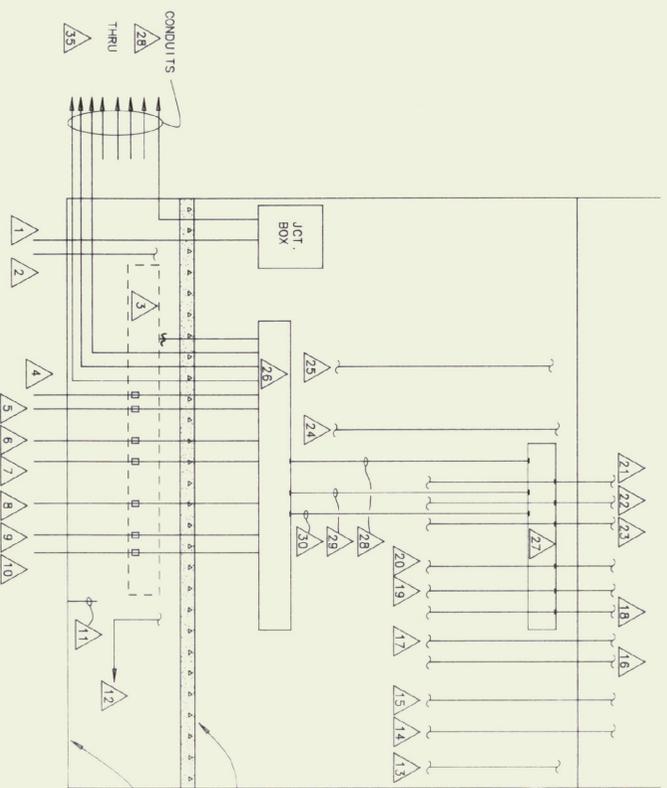
STATE OF VERMONT  
 DEPARTMENT OF STATE BUILDINGS  
 AGENCY OF ADMINISTRATION  
 MONTPELLIER, VERMONT

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

DATE: 9/06/91  
 DRAWN BY: B.W.M.  
 SCALE: AS SHOWN  
 APPROVED BY: E.E.P.

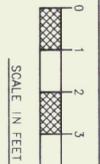
REVISIONS:  
 3/1/92  
 5/12/92  
 J4

DWG. NO. 3 OF 5

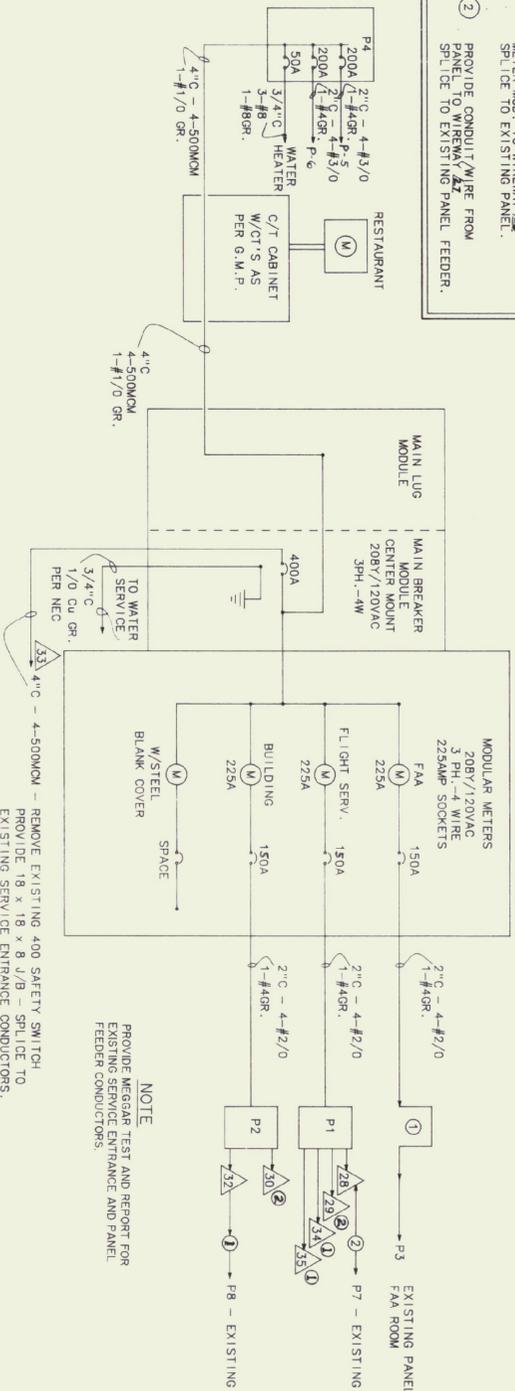


NOTE  
PROVIDE GROUNDING BUSHINGS AND GROUNDING PER NEC.

### 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 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. PROVIDE 8 X 8 WIREWAY.
26	PROVIDE 6 X 6 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.



**Pearson & Associates**  
MECHANICAL & ELECTRICAL ENGINEERS  
P. O. BOX 610 STOWE, VERMONT 05672  
TEL. (802) 253-9607 FAX (802) 253-9290

STATE OF VERMONT  
DEPARTMENT OF STATE BUILDINGS  
AGENCY OF ADMINISTRATION  
MONTPELIER, VERMONT

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

DATE:	9/06/91	SCALE:	AS SHOWN	REVISIONS:	DWG NO.
DRAWN BY:	B.W.M.	APPROVED BY:	E.E.P.		4 OF 5

### PANEL DESIGNATORS

PANEL : P1  
FLIGHT SERVICE

MOUNTING: SURFACE  
MAINS: 225 AMP M.L.O., 208Y/120, 3PH, 4W  
BRANCHES: 10,000 AIC  
CONNECTED LOAD: 36 KW

CKT NO.	KW LOAD	DESCRIPTION	BREAKER P AMP	BREAKER P AMP	DESCRIPTION	KW LOAD	CKT NO.
1	25	PANEL P7	3	100	BEACON	3	2
3		WEATHER STATION	-	-	STATIC REGULATOR	1.5	4
5			-	-	GAS PUMP	3	6
7	.5	HOSE REEL	1*	15	WITH	-	8
9	-	W/SWITCH NEUTRAL	-	-	SWITCH NEUTRAL	-	10
11	-	EXISTING	1	20	EXISTING	.5	12
13	.5	CIRCUITS	1	20	CIRCUITS	.5	14
15	.5	CIRCUITS	1	20	CIRCUITS	.5	16
17	.5	CIRCUITS	1	20	SPARE		18
19		SPARE	1	20	SPARE		20
21		SPARE	1	20	SPARE		22
23		SPACE			SPACE		24
25		SPACE			SPACE		26
27		SPACE			SPACE		28
29		SPACE			SPACE		30
31		SPACE			SPACE		32
33		SPACE			SPACE		34
35		SPACE			SPACE		36
37		SPACE			SPACE		38
39		SPACE			SPACE		40

\* SWITCH NEUTRAL  
NOTE: CIRCUITS LABELED AS "EXISTING CIRCUITS" TO BE IDENTIFIED AND LABELED - ALL PANELS.

### PANEL DESIGNATORS

PANEL : P2  
BUILDING

MOUNTING: SURFACE  
MAINS: 225 AMP M.L.O., 208Y/120, 3PH, 4W  
BRANCHES: 10,000 AIC  
CONNECTED LOAD: 20KW

CKT NO.	KW LOAD	DESCRIPTION	BREAKER P AMP	BREAKER P AMP	DESCRIPTION	KW LOAD	CKT NO.
1	12	PANEL P8	3	100	EXISTING CIRCUITS	2	2
3		JANITOR'S CLOSET	-	-	EXISTING CIRCUITS	4	4
5			-	-	EXISTING CIRCUITS	6	6
7	1.5	WATER HEATER - WH-2	1	20	EXISTING CIRCUITS	8	8
9	1.0	WATER PUMP	2	20	HEAT REGULATORS	10	10
11			-	-	BOILER	12	12
13	.5	EXISTING CIRCUITS	1	15	TEMP CONTROL	14	14
15	.5	EXISTING CIRCUITS	1	15	CONV. OUTLETS	16	16
17	.5	EXISTING CIRCUITS	1	15	EXTERIOR LIGHTS	18	18
19	.5	EXISTING CIRCUITS	1	15	SPARE	20	20
21	.5	EXISTING CIRCUITS	1	15	SPARE	22	22
23		SPACE			SPARE	24	24
25		SPACE			SPACE	26	26
27		SPACE			SPACE	28	28
29		SPACE			SPACE	30	30
31		SPACE			SPACE	32	32
33		SPACE			SPACE	34	34
35		SPACE			SPACE	36	36
37		SPACE			SPACE	38	38
39		SPACE			SPACE	40	40

NOTE:  
PANELS P3, P5, P7, P8  
ARE EXISTING PANELS AND  
ARE TO REMAIN.

### PANEL DESIGNATORS

PANEL : P6  
RESTAURANT

MOUNTING: SURFACE  
MAINS: 225 AMP M.L.O., 208Y/120, 3PH, 4W  
BRANCHES: 10,000 AIC  
CONNECTED LOAD: ESTIMATED 20KW

CKT NO.	KW LOAD	DESCRIPTION	BREAKER P AMP	BREAKER P AMP	DESCRIPTION	KW LOAD	CKT NO.
1		① EXISTING CIRCUITS	2	30	① EXISTING CIRCUITS	2	2
3		EXISTING CIRCUITS	-	-	① EXISTING CIRCUITS	4	4
5		② EXISTING CIRCUITS	2	20	① EXISTING CIRCUITS	6	6
7		EXISTING CIRCUITS	-	-	① EXISTING CIRCUITS	8	8
9		② EXISTING CIRCUITS	3	40	① EXISTING CIRCUITS	10	10
11		EXISTING CIRCUITS	-	-	EXISTING CIRCUITS	12	12
13		EXISTING CIRCUITS	-	-	EXISTING CIRCUITS	14	14
15		② EXISTING CIRCUITS	1	20	② EXISTING CIRCUITS	16	16
17		② EXISTING CIRCUITS	1	20	② EXISTING CIRCUITS	18	18
19		② EXISTING CIRCUITS	1	20	② EXISTING CIRCUITS	20	20
21		SPARE	1	20	SPARE	22	22
23		SPARE	1	20	SPARE	24	24
25		SPACE			SPACE	26	26
27		SPACE			SPACE	28	28
29		SPACE			SPACE	30	30
31		SPACE			SPACE	32	32
33		SPACE			SPACE	34	34
35		SPACE			SPACE	36	36
37		SPACE			SPACE	38	38
39		SPACE			SPACE	40	40

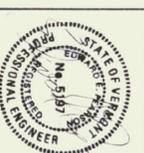
- ① EXISTING RESTAURANT CIRCUIT ORIGINATES AT LOAD CENTER IN BOILER ROOM. MOVE CIRCUIT TO P6.
- ② EXISTING RESTAURANT CIRCUIT ORIGINATES AT PANEL IN JANITOR'S CLOSET. MOVE CIRCUIT TO P6.

### PANEL DESIGNATORS

PANEL : P4  
RESTAURANT

MOUNTING: SURFACE  
MAINS: 400 AMP, M.L.O., 208Y/120, 3PH, 4W  
BRANCHES: 22,000 AIC  
CONNECTED LOAD: 95 KW

CKT NO.	KW LOAD	DESCRIPTION	BREAKER P AMP	BREAKER P AMP	DESCRIPTION	KW LOAD	CKT NO.	
1	50	PANEL P5	3	200	PANEL P6	30	2	
3			-	-			4	
5			-	-			6	
7	15	WATER HEATER	3	50	SPACE	8	8	
9		WH-1	-	-	SPACE	10	10	
11			-	-	SPACE	12	12	
13		SPACE			SPACE	14	14	
15		SPACE			SPACE	16	16	
17		SPACE			SPACE	18	18	
19							20	20
21							22	22
23							24	24



**Pederson & Associates**  
MECHANICAL & ELECTRICAL ENGINEERS  
P.O. BOX 610 STOWE, VERMONT 05672  
TEL. (802) 253-9607 FAX (802) 253-9290

STATE OF VERMONT  
DEPARTMENT OF STATE BUILDINGS  
AGENCY OF ADMINISTRATION  
MONTPELIER, VERMONT

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

DATE: 9/06/91  
DRAWN BY: B.W.M.  
SCALE: AS SHOWN  
APPROVED BY: E.E.P.

REVISIONS: \_\_\_\_\_  
DWG NO. 5 OF 5