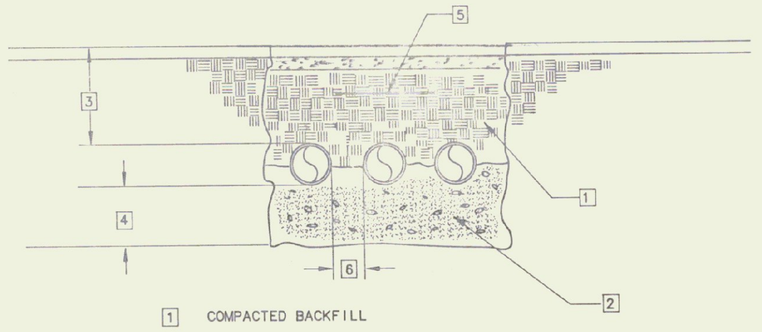


[1] COMPACTED BACKFILL

[2] PIPE BEDDING – COMPACTED SAND, GRAVEL OR CRUSHED STONE.

[3] 30" MINIMUM

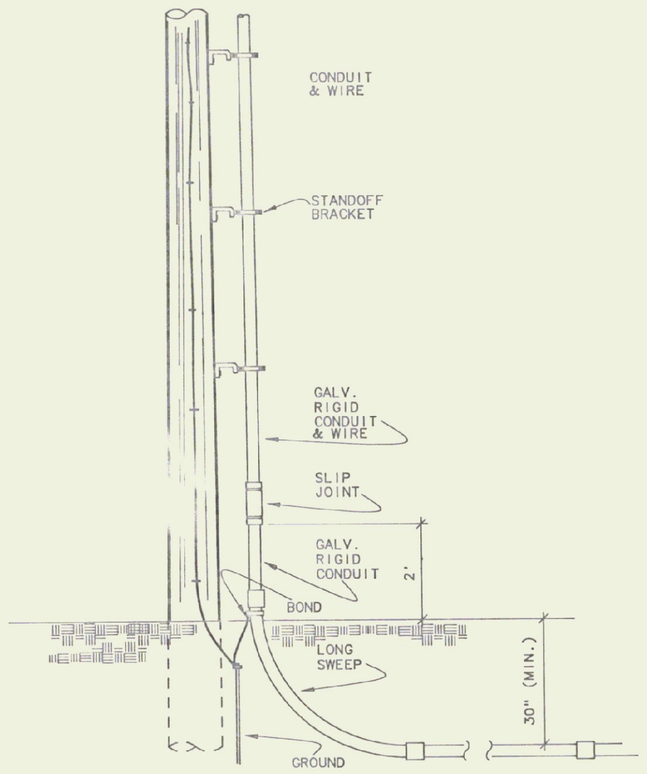
[4] 6" MINIMUM

[5] MARKING TAPE – SEE SPECIFICATIONS

[6] MAINTAIN MIN. 12" SEPARATION BETWEEN CONDUITS (TYP)

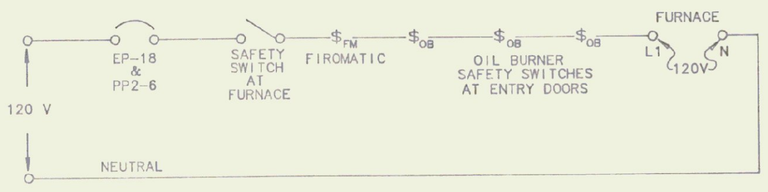
UNDERGROUND SERVICE TRENCH DETAIL

NO SCALE



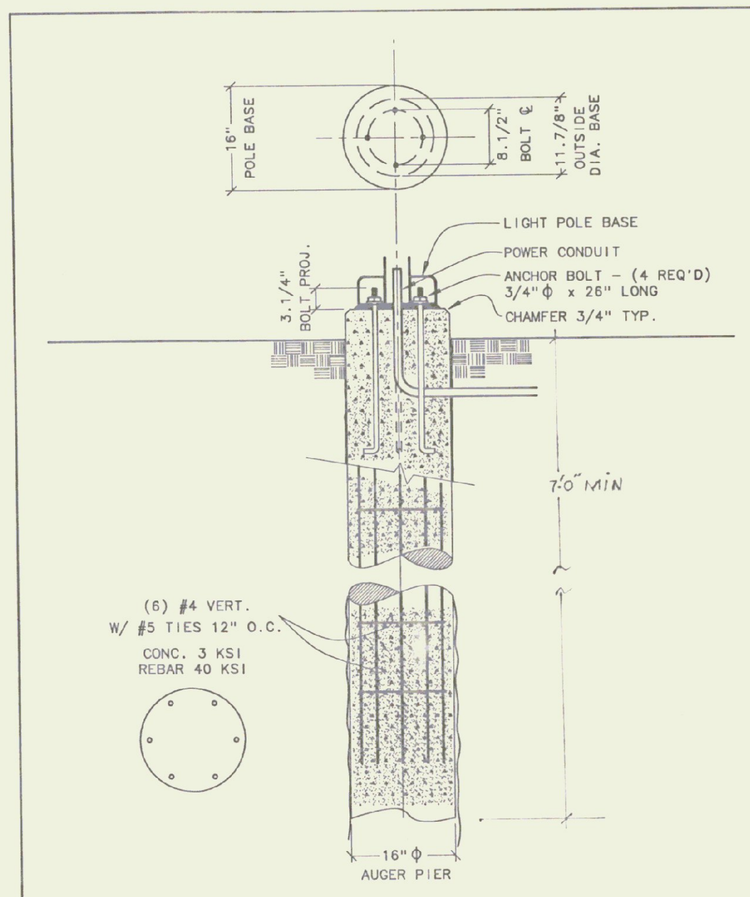
CONDUIT RISER DETAIL

NO SCALE



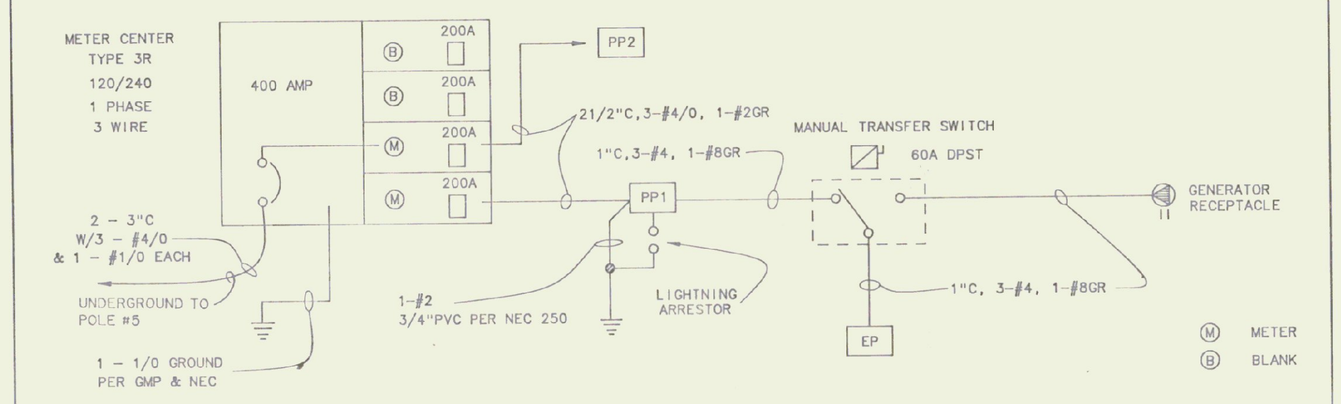
OIL BURNER ONE LINE DIAGRAM

NO SCALE



LIGHT POLE CONCRETE BASE DETAIL

NO SCALE



ELECTRIC SERVICE ONE LINE DIAGRAM

NO SCALE

PANEL DESIGNATOR

PANEL: EP
MOUNTING: SURFACE
MAINS: 125AMP MLO, 120/240, 1 PHASE, 3 WIRE
CONNECTED LOAD: 14 KW

CKT NO.	KW LOAD	DESCRIPTION	BREAKER P	BREAKER AMP	BREAKER AMP	BREAKER P	DESCRIPTION	KW LOAD	CKT NO.
1	1.3	GAS PUMP	1	25	20	1	GAS PUMP LIGHT	.2	2
3		(NEUTRAL DISCONNECT)	-	-	-	-	(NEUTRAL DISCONNECT)	-	4
5	1.2	EXTERIOR BLDG. LIGHTS	1	20	20	1	EXIT/EMERG. LIGHTS	.1	6
7		(FUTURE) SECURITY SYSTEM	1	20	20	2	LIGHTING	1.7	8
9	1.0	OUTLETS	1	GFI 20	-	-		-	10
11	1.0	OUTLETS	1	GFI 20	20	2	LIGHTING	1.7	12
13	1.0	OUTLETS	1	GFI 20	-	-		-	14
15	.5	OVERHEAD DOOR	1	20	20	1	FUEL OIL TRANSFER PUMP	.5	16
17	.5	OVERHEAD DOOR	1	20	20	1	FURNACE	.5	18
19	.5	OVERHEAD DOOR	1	20	20	1	ENTRANCE GATE	.8	20
21	.5	OVEHEAD DOOR	1	20	20	2	WATER PUMP	1.0	22
23	.2	FAN/LIGHT	1	20	-	-		-	24
25		SPARE	1	20			SPACE		26
27		SPACE					SPACE		28
29		SPACE					SPACE		30

ELECTRICAL FIXTURE SCHEDULE

KEY	MANUFACTURE & MODEL	MOUNTING	LAMPS	VOLT	REMARKS
A	GE - CIS2553H5TA6 SAFETY CHAIN	SEE DETAIL	250 W - HPS	240	SAFETY CHAIN
B	SAME AS A EXCEPT WITH AUTO SWITCHED QUARTZ		250 W-HPS		150 W QUARTZ LAMP
C	KIM 1WSAR3/150HPS 120/DB-P	WALL, SEE ARCH ELEVATION	150W - HPS	120	PHOTOCELL CONTROL
D	HUGHEY PHILIPS - OB20A31 RED SINGLE OBSTRUCTION LIGHT	3/4"GRC 12" AEV. ROOF RIDGE	116 W - LH116-125A21D	120	LB CONDULET ON EXT. WALL, 22' AFF
F	NUTONE, LIGHT/FAN, 8673P	CEILING	A75 WATT	120	DUCT BY MC
G	KEYLESS LAMPHOLDER, GE5740-7	CEILING	A75 WATT	120	
H	KIM AFL1/ MH240/DB-P	STANCHION (SM18)	50 W METAL HALIDE	240	FIXED HOOD FI/DB-P
J	KIM 1A/AR2/150HPS240/DB-P/A-25	20' POLE PRA20-5188 SA DB-P	150W HPS	240	WITH PHOTOCELL
K	SAME AS J	POLE BY GC	150W HPS	240	WITH PHOTOCELL
L	CEILING FAN - DAYTON 4C853	AT CEILING		120	SPEED CONTROL 4C928
	LIGHTALARMS - 2P12N1/LH3	4" OUTLET BOX	2 - 12 WATT	12	10' AFF
	LIGHTALARMS - XE8WRW-FL	UNIVERSAL	2 - 7 WATT - FL	120	12' ABOVE DOOR

PANEL DESIGNATOR

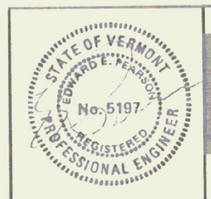
PANEL: PP1
MOUNTING: SURFACE
MAINS: 200 AMP MAIN CIRCUIT BREAKER, 120/240 1PHASE, 3 WIRE
CONNECTED LOAD: 34 KW

CKT NO.	KW LOAD	DESCRIPTION	BREAKER P	BREAKER AMP	BREAKER AMP	BREAKER P	DESCRIPTION	KW LOAD	CKT NO.
1	14	PANEL EP	2	60	20	1	WATER HEATER	1.4	2
3		-	-	-	15	1	CEILING FANS	.2	4
5	8.0	WELDING OUTLET	2	50	50	2	AIR COMPRESSOR	5.0	6
7			-	-	-	-			8
9	.5	EXHAUST FAN	1	15	GFI 20	1	OUTLETS	1.0	10
11	.5	LIGHTING	1	20	GFI 20	1	OUTLETS	1.0	12
13	2.5	SITE LIGHTING	2	20	20	1	SPARE		14
15			-	-	-	-	SPACE		16
17		SPARE	1	20	-	-	SPACE		18
19		SPACE					SPACE		20
21		SPACE					SPACE		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
41		SPACE					SPACE		42

PANEL DESIGNATOR

PANEL: PP2
MOUNTING: SURFACE
MAINS: 200 AMP MAIN CIRCUIT BREAKER, 120/240 1PHASE, 3 WIRE
CONNECTED LOAD: 14.5 KW

CKT NO.	KW LOAD	DESCRIPTION	BREAKER P	BREAKER AMP	BREAKER AMP	BREAKER P	DESCRIPTION	KW LOAD	CKT NO.
1	1.7	LIGHTS	2	20	20	1	EXIT/ EMERG.	.1	2
3					50	2	AIR COMPRESSOR	5	4
5	1.7	LIGHTS	2	20					6
7					30	2	BI-FOLD DOOR	.75	8
9	1.0	OUTLETS	1	GFI 20					10
11	1.0	OUTLETS	1	GFI 20	20	1	WATER HEATER	1.3	12
13	1.0	OUTLETS	1	GFI 20	20	1	FAN/LIGHT	.5	14
15	1.0	OUTLETS	1	GFI 20	15	1	EXHAUST FAN	.5	16
17	2.5	WELDING OUTLET	2	50	20	1	FURNACE	.4	18
19					20	1	SPARE		20
21		SPARE	1	20	20	1	SPARE		22
23		SPARE	1	20			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
41		SPACE					SPACE		42



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

Agency of Transportation
HUNTINGTON HANGER
Berlin, Vermont
ELECTRICAL DETAILS & SCHEDULES

DATE:	SCALE:	REVISIONS:	CAD FILE:	DWG NO.
11-11-92	AS SHOWN	11-11-95	PS-HH-E2	E-2
DRAWN BY: B.W.M	APPROVED BY: EEP		SHEET: OF	