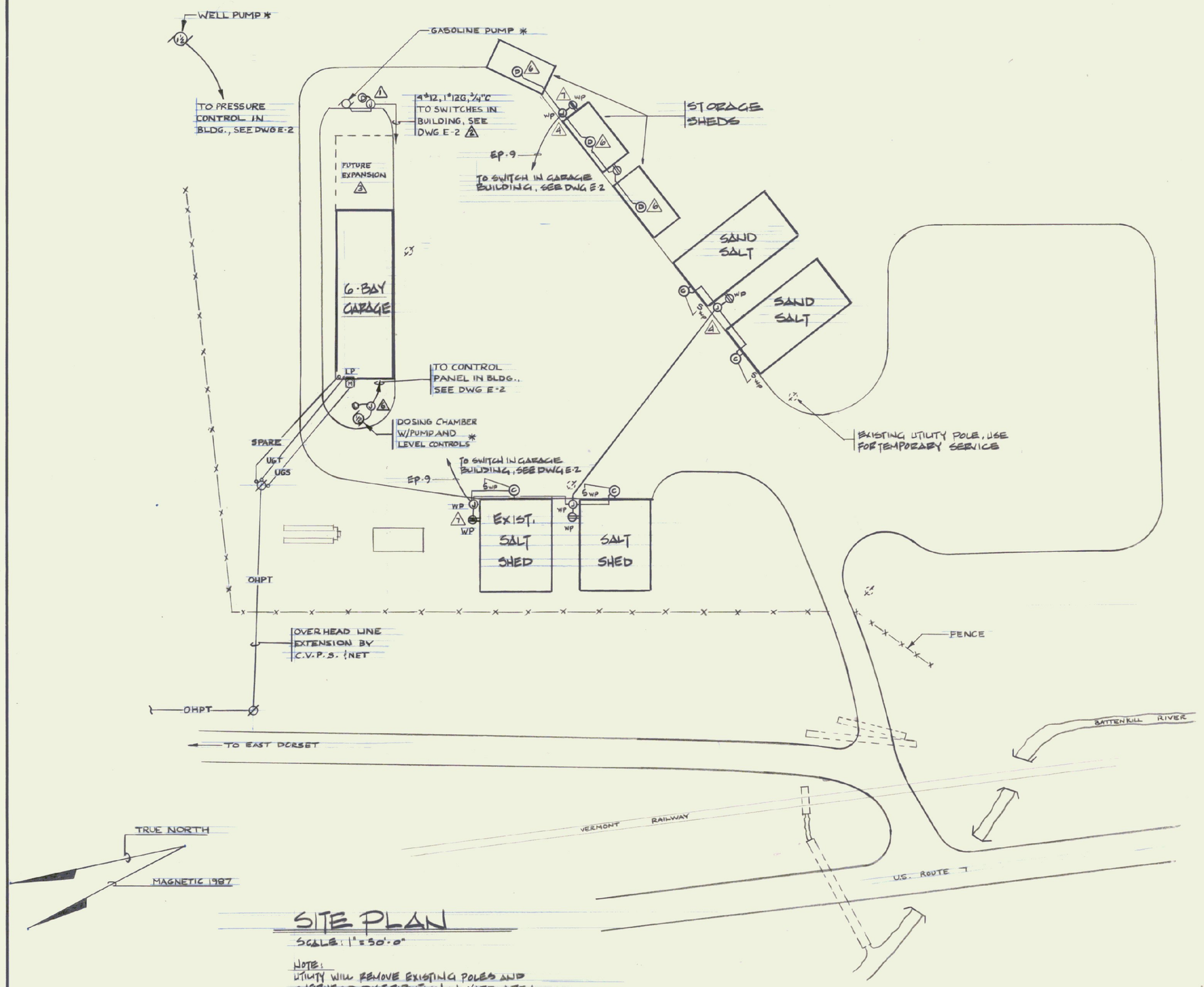
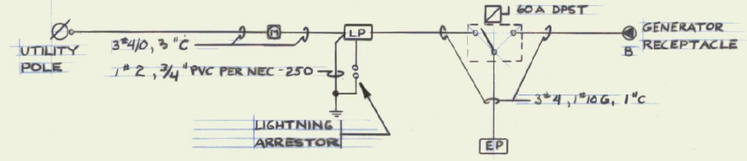


SITE PLAN

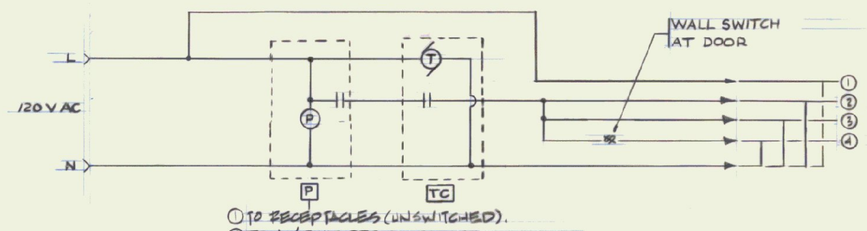
SCALE: 1" = 50'-0"

NOTE:
UTILITY WILL REMOVE EXISTING POLES AND OVERHEAD DISTRIBUTION IN YARD AREA.



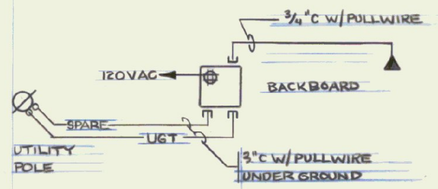
ONE LINE DIAGRAM

NO SCALE



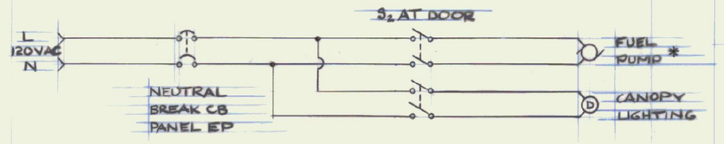
SITE LIGHTING WIRING DIAGRAM

NO SCALE



COMMUNICATIONS SYSTEM RISER DIAGRAM

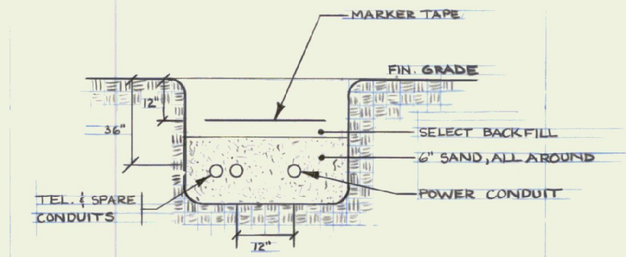
NO SCALE



GAS PUMP WIRING DIAGRAM

NO SCALE

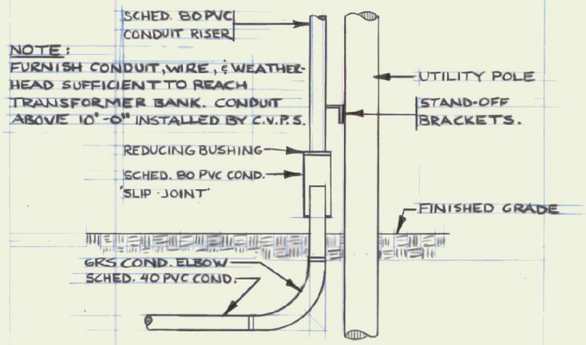
NOTE:
BONDING CONDUCTOR IS NOT SHOWN



TRENCHING DETAIL

NO SCALE

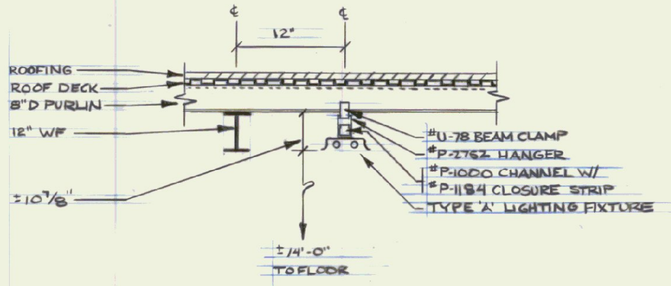
NOTE:
SHOWN FOR SERVICE CONDUITS, BRANCH CIRCUIT CONDUITS ARE SIMILAR.



POLE RISER DETAIL

NO SCALE

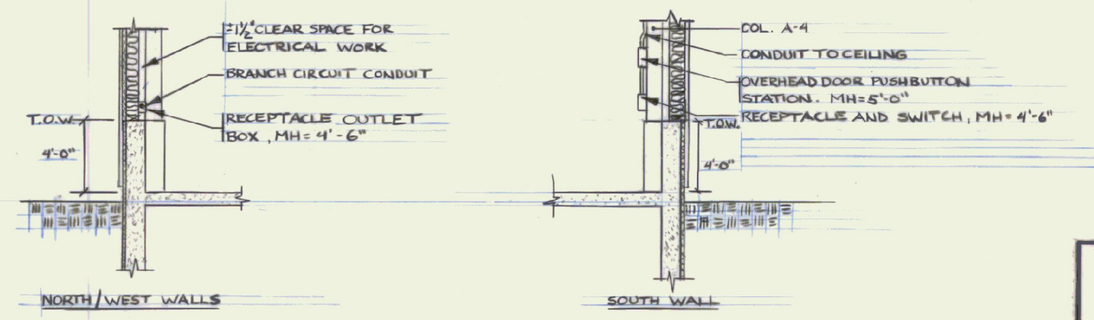
NOTES:
1. INSTALL RISERS PER UTILITY STANDARDS
2. SLIPJOINT SHALL BE 2 SIZES LARGER THAN RISER CONDUIT.
3. CAP SPARE CONDUIT AT TOP OF ELBOW, SLIPJOINT ¢ RISER NOT REQUIRED.



TYPE 'A' FIXTURE MOUNTING DETAIL

NO SCALE

NOTES:
1. ALL CATALOG NUMBERS ARE 'UNISTRUT'
2. CHANNEL SHALL BE U.L. LISTED FOR USE AS A RACEWAY. PROVIDE END FEED AND SPLICE FITTINGS AS REQUIRED.
3. MOUNTING FOR TYPE 'A-1' FIXTURES IS SIMILAR.



RECEPTACLE MOUNTING DETAIL - GARAGE AREA

NO SCALE

LEGEND

- SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE, TYPE AS INDICATED.
- WALL MOUNTED INCANDESCENT OR H.I.D. LIGHTING FIXTURE, TYPE AS INDICATED.
- CEILING MOUNTED INCANDESCENT OR H.I.D. LIGHTING FIXTURE, TYPE AS INDICATED.
- EMERGENCY BATTERY PACK WITH LIGHTING HEADS, WALL MOUNTED @ 7'-6" UON.
- REMOTE EMERGENCY LIGHTING HEADS, WALL MOUNTED, 7'-6" UON.
- S — SINGLE POLE SWITCH, MH = 4'-0" UON, SUBSCRIPTS: 3 = 3WAY, 4 = 4 WAY, 2 = DOUBLE POLE, V = VARIABLE SPEED, P = PILOT LIGHT, B = BURNER SWITCH, MH = 6'-0".
- DUPLEX RECEPTACLE, MH = 2'-0" UON
- SPECIAL PURPOSE OUTLET, MH = 2'-0" UON TYPE AS INDICATED.
- TELEPHONE OUTLET, MH = 2'-0" UON
- BRANCH CIRCUIT OR FEEDER.
- LP-1 — HOMERUN TO PANELBOARD AND BRANCH CIRCUIT INDICATED.
- LP — PANELBOARD WITH DESIGNATION, MH = 6'-0" TO TOP.
- MOTOR LOCATION WITH HORSEPOWER DESIGNATED.
- FIRE-O-MATIC SWITCH, CEILING MOUNTED.
- DISCONNECT SWITCH, 60/30 = FRAME/FUSE SIZE, MH = 6'-0" TO TOP OR ON EQUIPMENT.
- MAGNETIC MOTOR STARTER, TYPE AS INDICATED.
- JUNCTION BOX, SIZE PER NEC-370
- PADDLE FAN
- CP — CONTROL PANEL
- LEVEL CONTROL DEVICE
- S_B — BURNER SWITCH WITH RED PLATE ENGRAVED, 'EMERGENCY BURNER OFF'.
- METER, MH = 5'-0" TO TOP
- TD — TIME CLOCK, MH = 5'-0" TO TOP
- PC — PHOTOCELL, MH = 1'-0" BELOW EAVES
- PUSHBUTTON STATION, NUMBER OF DOTS INDICATES NUMBER OF OPERATORS
- Ø — UTILITY POLE
- MH — MOUNTING HEIGHT ABOVE FLOOR OR GRADE TO CENTER OF OUTLET, UON
- UON — UNLESS OTHERWISE NOTED
- OHPT — OVERHEAD PRIMARY AND TELEPHONE
- UGP — UNDERGROUND ELECTRIC POWER
- UGT — UNDERGROUND TELEPHONE
- * — INDICATES EQUIPMENT PROVIDED BY OTHER TRADES
- WP — WEATHER PROOF, NEMA 3R MINIMUM.

DRAWING NOTES (PLAN SYMBOL ⚠)

1. MOUNT ON CANOPY ABOVE GAS PUMP. COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR AND ARCHETECTUAL DRAWINGS.
2. ROUTE UNDERGROUND CONDUIT CLEAR OF FUTURE EXPANSION. ALL WORK SHALL BE EXPLOSION-PROOF COMPLYING WITH NEC-514.
3. DO NOT INSTALL ANY ELECTRIC WORK IN THIS AREA
4. MOUNT JUNCTION BOX AND RECEPTACLE ON EXTERIOR OF SHED WALL AT 3'-0". ALL WIRING BETWEEN BUILDINGS SHALL BE INSTALLED UNDERGROUND.
5. SWITCHES AND RECEPTACLES ON EMERGENCY HAVE RED WALL PLATES.
6. MOUNT ON BOTTOM OF RAFTER AT PEAK OF ROOF.
7. RECEPTACLE WITH 5 mA GFCI, TEST AND RESET BUTTONS WITH L.E.D. INDICATOR. WIRE FOR THROUGH FEED TO PROTECT ALL DOWN-STREAM RECEPTACLES.
8. PROVIDE ENGRAVED LABEL FOR THERMOSTAT. SUBMIT PROPOSED LABEL TO OWNER PRIOR TO FABRICATION.

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

ELECTRICAL PLAN
6 BAY MAINTENANCE GARAGE
AGENCY OF TRANSPORTATION
EAST DORSET, VERMONT

THE STATE OF VERMONT — CHARLES F. LANE No. 4100 — PROFESSIONAL ENGINEER

Lane Engineering Division
DUBOIS & KING INC.
MECHANICAL & ELECTRICAL CONSULTING ENGINEERS

DATE:	SCALE:	REVISIONS:	DWG. NO.
4/90	AS NOTED		E-1
DRAWN BY: C.P.B.	APPROVED BY: CFL		21 OF 22

BRUNING 44-222 55994-01