PANEL: MP LOCATION: WEST WALL - GARAGE BAY FED FROM:
AMPS: 100MCB 120/240 VOLTS 1 PHASE 3 WIRE
AMPS FAULT CURRENT WITHSTAND: 10K

NOTES: SERVICE RATED, G INDICATES GFCI BREAKER

NO	AMPS	WIRE	DESCRIPTION	NO	AMPS	WIRE	DESCRIPTION
1	20G	2 #12	RECEPTACLES GF	2	60 / 2P	3 #6	PANEL EP VIA TRANSFER SWITCH
3	20G	2 #12	RECEPTACLES GF	4			
5	20G	2 #12	RECEPTACLES GF	6	20 / 2P	2 #12	EXHAUST FAN
7	20G	2 #12	RECEPTACLES GF	8			
9	20G	2 #12	RECEPTACLES GF	10	60 / 2P	2 #6	COMPRESSOR
11	20	2 #12	RECEPTACLES	12			
13	20	2 #12		14	50 / 2P	2 #6	WELDER OUTLET
15	20	2 #12		16			
17	20	2 #12		18	20 / 2P	2 #12	WOOD FURNACE
19	20	2 #12		20	20 / 2P	2 #12	HOT WATER PUMP
21	20	2 #12		22	20 / 2P	2 #12	FANS
23	20	2 #12		24	20 / 2P	2 #12	HU HEATER
25	20	2 #12		26			
27	20	2 #12		28	20 / 2P	2 #12	
29	20	2 #12		30	20 / 2P	2 #12	

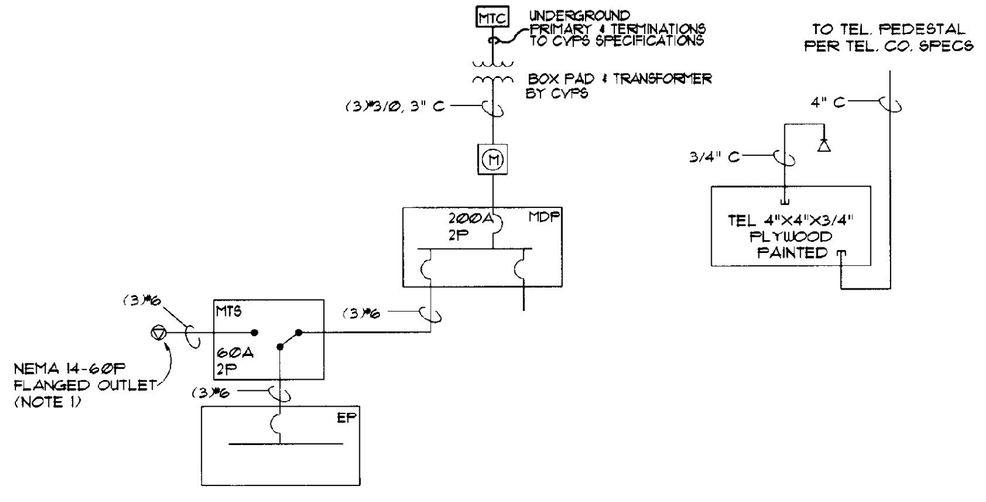
PANEL: EP LOCATION: WEST WALL - GARAGE BAYFED FROM: MTS
AMPS: 60A MCB 120/240 VOLTS 1 PHASE 3 WIRE
AMPS FAULT CURRENT WITHSTAND: 10K

NOTES:

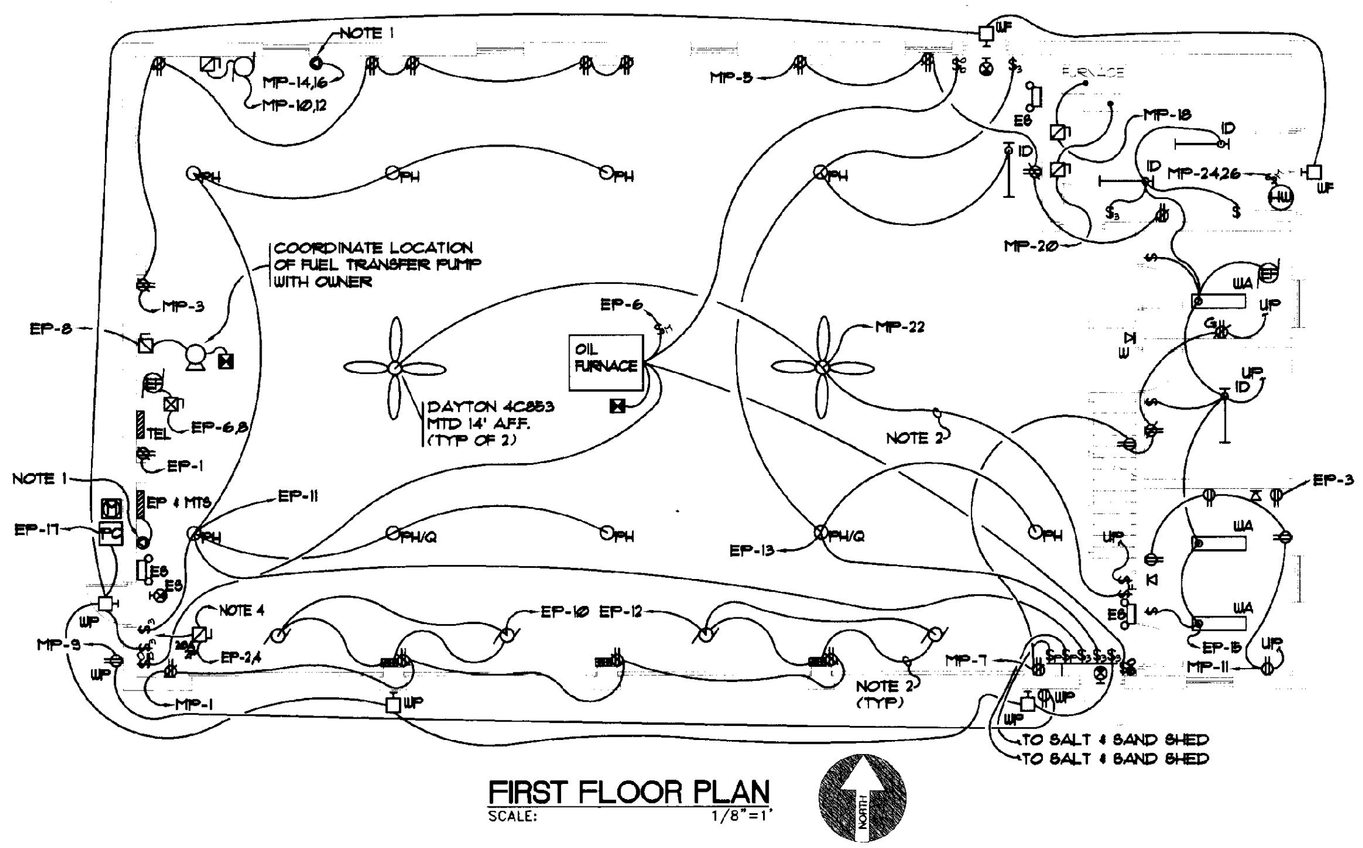
NO	AMPS	WIRE	DESCRIPTION	NO	AMPS	WIRE	DESCRIPTION
1	20G	2 #12	RECEPTACLES GFCI	2	20 / 2P	2 #10	FUEL PUMP
3	20	2 #12	RECEPTACLES - OFFICE	4			
5	20	2 #12	RECEPTACLES - STORAGE SHED	6	20	2 #12	OIL FURNACE
7	20	2 #12		8	20	2 #12	OIL PUMP
9	20	2 #12	LIGHTS GARAGE	10	20	2 #12	DOORS
11	20	2 #12	LIGHTS GARAGE	12	20	2 #12	DOORS
13	20	2 #12	LIGHTS GARAGE	14	20	2 #12	
15	20	2 #12	LIGHTS SMALL ROOM	16	20	2 #12	
17	20	2 #12	LIGHTS OUTSIDE	18	20	2 #12	
19	20	2 #12	LIGHTS OUTSIDE	20	20	2 #12	
21	20	2 #10	LIGHTS SALT	22	20	2 #12	
23	20	2 #10	LIGHTS STORAGE	24	20	2 #12	
25	20	2 #12		26	20	2 #12	
27	20	2 #12		28	20	2 #12	
29	20	2 #12		30	20	2 #12	

NOTES:

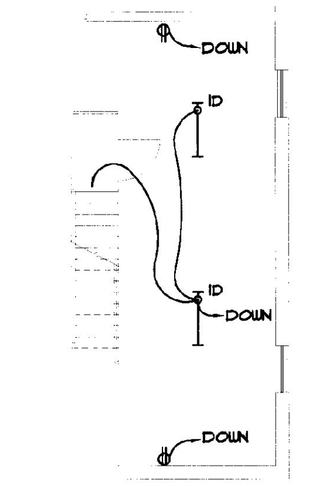
1. PROVIDE RECEPTACLE COMPATIBLE WITH OWNER'S PLUG
2. CONTROL WIRING PER MFR'S INSTRUCTIONS
3. LOCATE ABOVE GRADE CONDUIT TO AVOID ACCIDENTAL DAMAGE COORDINATE WITH OWNER FOR BEST LOCATIONS.
4. MOUNT DISCONNECT ON WALL, FEED FUEL PUMP WITH (2) #10, 1" RIGID STEEL CONDUIT UNDERGROUND. COORDINATE RISER TO PUMP WITH SLAB & PUMP CONTROLS. INCLUDE ALL CONNECTIONS AT PUMP FOR COMPLETE ELECTRICAL.



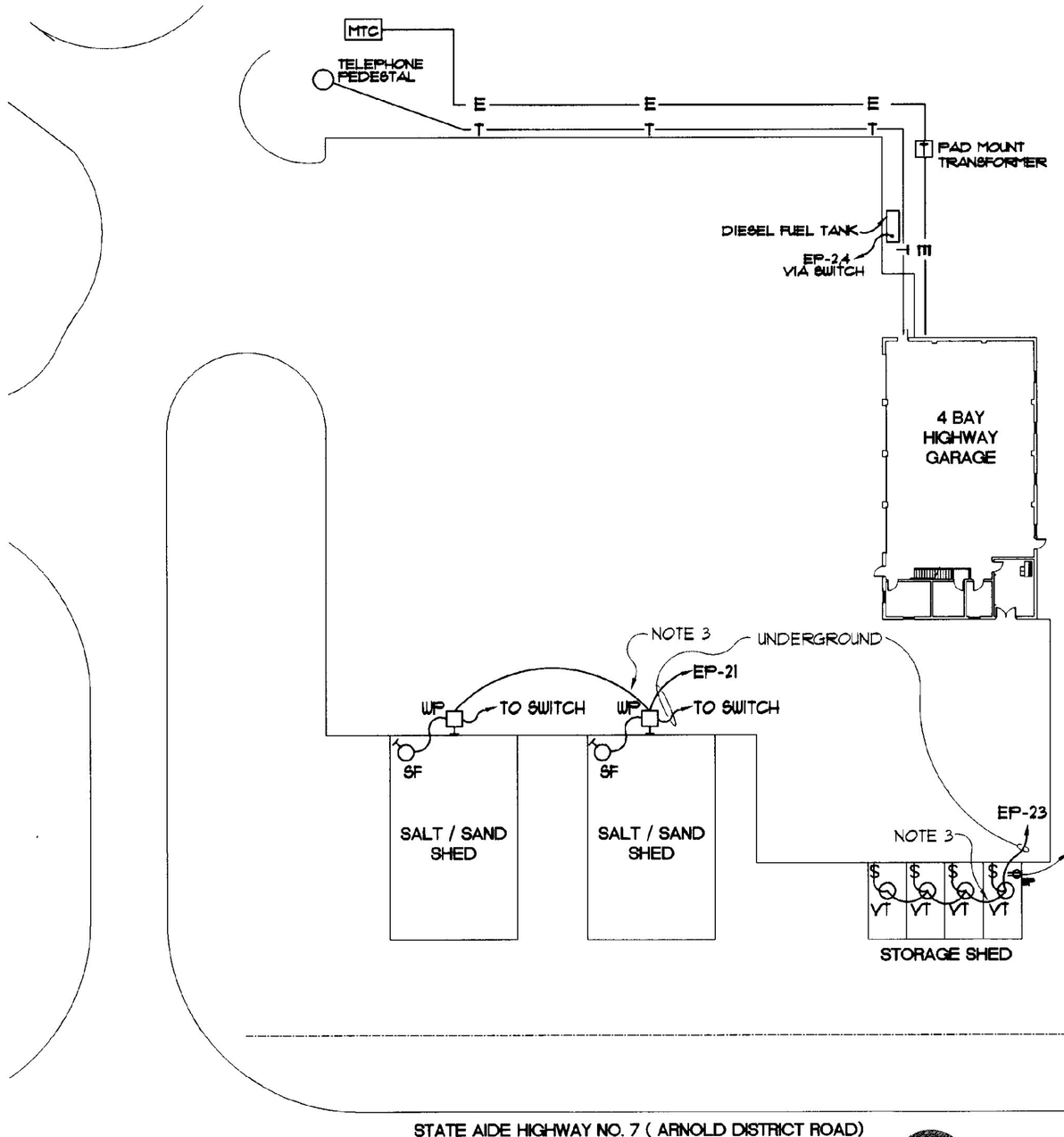
ELECTRICAL ONE-LINE DIAGRAM
SCALE: N.T.S.



FIRST FLOOR PLAN
SCALE: 1/8"=1'



GARAGE STORAGE MEZZANINE
SCALE: 1/8"=1'



SITE PLAN
SCALE: 1"=30'

LEGEND :

(NOTE: NOT ALL SYMBOLS ARE USED IN THIS PROJECT.)

POWER :

(ALL RECEPTACLES TO BE SPECIFICATION GRADE 20 AMP RATED)

- DUPLEX RECEPTCLE (MOUNT AT 2'-0" AFF UON)
- DUPLEX RECEPTCLE (COORDINATE MOUNT WITH COUNTER)
- DUPLEX RECEPTACLE (WEATHER PROOF)
- QUAD RECEPTACLE (MOUNT ABOVE COUNTER)
- GFCI PROTECTED DUPLEX RECEPTACLE
- SPECIAL RECEPTACLE
- MOTOR, NUMBER INDICATES HORSEPOWER
- JUNCTION BOX, SIZE PER NEC
- FUSED DISCONNECT
- PANEL BOARD
- METER

COMMUNICATIONS :

- TELEPHONE OUTLET, WALL MOUNT, 3/4" C TO TEL. PANEL (MOUNTED 48" A.F.F. UON)
- TELEPHONE OUTLET, 3/4" C TO TEL. PANEL (MOUNTED 18" A.F.F. UON)

LIGHTING :

LIGHT FIXTURES - SEE SCHEDULE FOR TYPE AND MOUNTING

- EXIT LIGHT (SHADING = NUMBER OF FACES)

CONTROLS :

- TIME CLOCK
- PHOTOCELL
- FIREMATIC SWITCH

SWITCHES :

(ALL SWITCHES TO BE SPECIFICATION GRADE, 20 AMP RATED, MOUNTED AT 3'-8" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.)

- $^{X}_{Y}$ WALL SWITCH

X OR Y	FUNCTION
D	DIMMER SWITCH
K	KEY OPERATED
O-B	OIL BURNER SWITCH
M	MOTOR SENTINEL SWITCH
P	PILOT SWITCH
F	FAN CONTROL SWITCH - DAYTON 4C828
T	SPRING WOUND TIMER SWITCH
A,B,...	INDICATES WHICH FIXTURES CONTROLLED BY WHICH SWITCH
2	DPST DOUBLE POLE, SINGLE THROW
3	3PDT (3-WAY)
4	DPDT (4-WAY)

ABBREVIATIONS :

WP = WEATHER PROOF	AC = ALTERNATING CURRENT
NEC = NATIONAL ELECTRIC CODE	WM = WIREMOLD
UON = UNLESS OTHERWISE NOTED	EOLD = END OF LINE DEVICE
AFF = ABOVE FINISHED FLOOR	EM = EMERGENCY LIGHT FIXTURE
GFI = GROUND FAULT INTERRUPTING	NL = NIGHT LIGHT (NON SWITCHED)
DC = DIRECT CURRENT	MW = MODULAR WIRING
CUH = CANINET UNIT HEATER	UH = UNIT HEATER
MTC = METAL TERMINAL CABINET	EF = EXHAUST FAN

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

VERMONT AGENCY OF TRANSPORTATION
FIRST FLOOR / MEZZANINE
POWER AND LIGHTING
4 BAY MAINTENANCE GARAGE
BRANDON, VERMONT

DATE: JUNE 7, 1991	SCALE: AS NOTED	REVISIONS:	DWG. NO.: E1
DRAWN BY: KAS	APPROVED BY:		23 OF 23