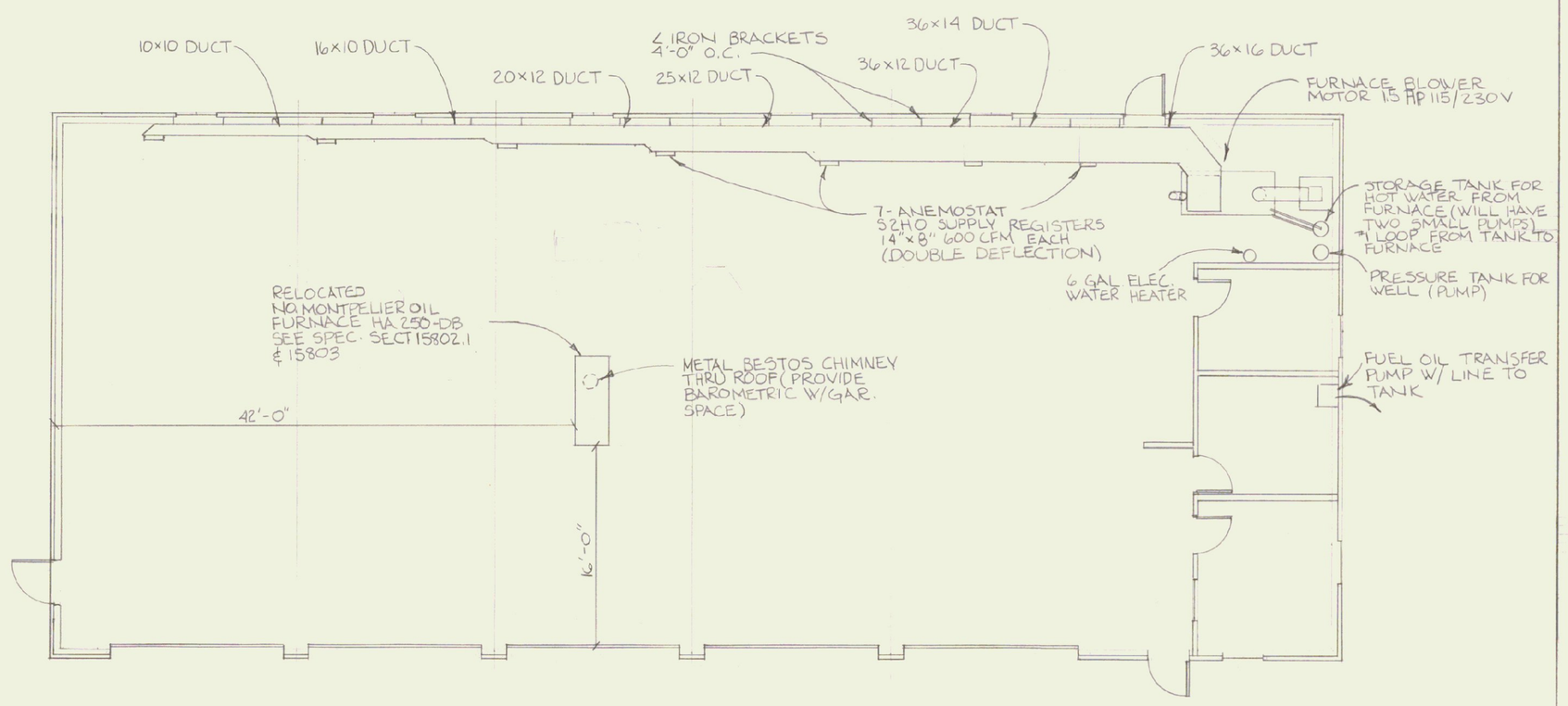
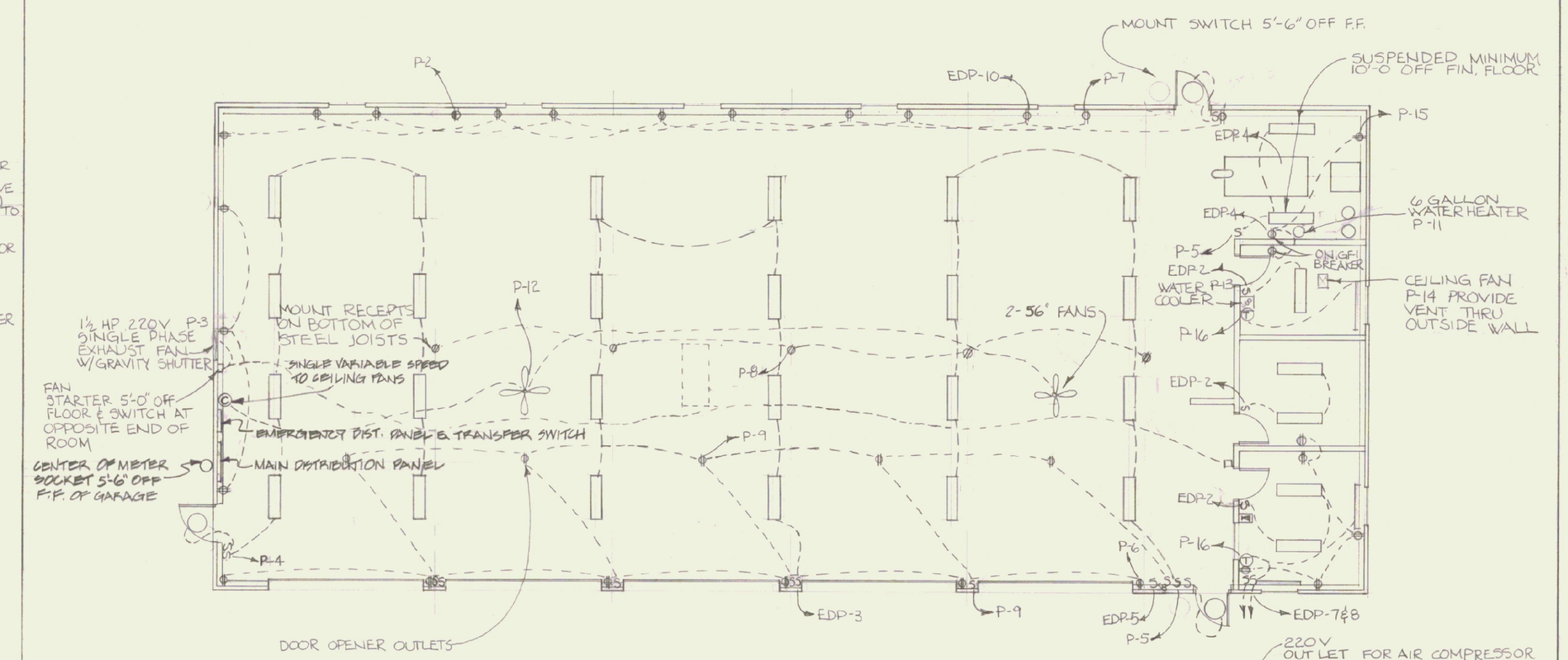


MECHANICAL PLAN

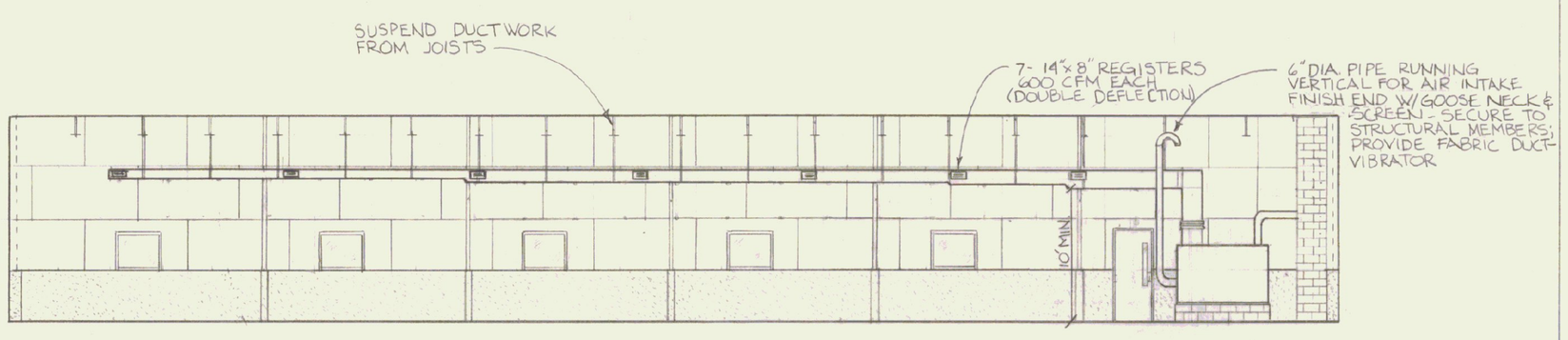
SCALE: 1/8" = 1'-0"

NOTE: ALL JOINTS IN FUEL OIL LINE TO BE FLARED. ALL SOLDERED JOINTS TO BE SWEATED WITH SILVER SOLDER



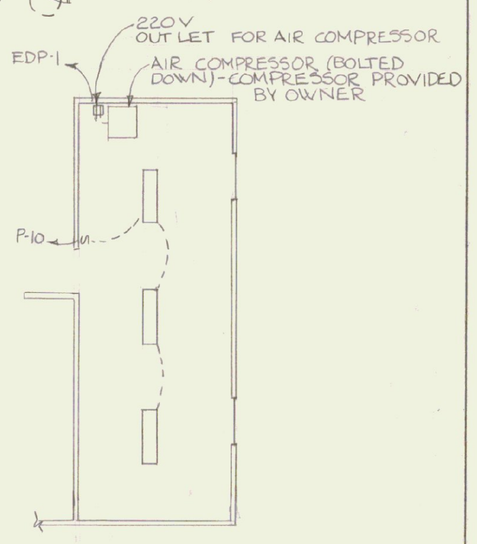
ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"



FURNACE ELEVATION

SCALE: 1/8" = 1'-0"



LOFT

POWER PANEL SCHEDULE

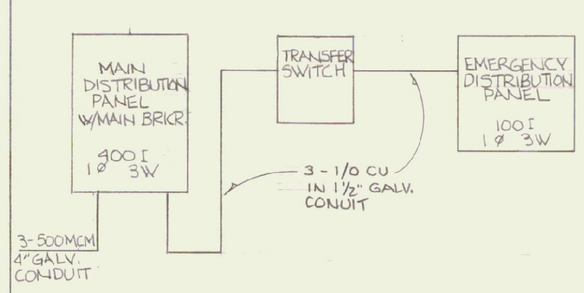
PANEL "P-1" CIRCUIT BREAKER TYPE STYLE NQB WESTINGHOUSE 120/240V 1Ø 3W 400 AMP MAIN W/MAIN DISCONNECT - 10,000 ICR BRKS 30 POLES

CIRC.	BREAKERS AMP	BREAKERS POLE	EQUIPMENT SERVED	H.P.	REMARKS
P-1	100	2	EMERGENCY DIST. PANEL		
P-2	50	2	WELDING RECEPTACLE		
P-3	20	2	BLDG. EXHAUST FAN		
P-4	20	1	SHOP LIGHTING		
P-5	20	1	"		
P-6	20	1	SHOP RECEPTACLES (FRT)		
P-7	20	1	SHOP RECEPTS (REAR)		
P-8	20	1	MID BAY CEILING RECEPT		5 LOCATIONS
P-9	20	1	DOOR OPENER RECEPTS		5 LOCATIONS
P-10	20	1	LOFT LIGHTING		
P-11	20	1	6 GAL. HT. H2O HEATER		
P-12	20	1	CEILING FANS		16 OF-7 56"
P-13	20	1	WATER COOLER, BTH ROOM		GFI RECEPT.
P-14	20	1	FAN / GFI		GFI IN WALL OUTLT.
P-15	20	1	FURNACE AREA RECEPTS		
P-16	20	1	HEATERS IN BATH & OFFICE	(3) .5 KW	W/LINE VOLTAGE T'STAT
P-17	20	1	SPARE		

EMERGENCY DISTRIBUTION PANEL SCHEDULE

PANEL "EDP" CIRCUIT BREAKER TYPE WESTINGHOUSE SPLIT BUS LOAD CNTR. 20 POLE MIN 120/240 1Ø 3 WIRE 100 AMP MAIN W/MAIN BRKR 10,000 ICR

CIRC.	BREAKERS AMP	BREAKERS POLE	EQUIPMENT SERVED	H.P.	REMARKS
1	30	2	AIR COMPRESSOR	5.0	
2	20	1	OFF./BATH/GREASE/FURN. LGT.		
3	20	1	SHOP LIGHTING (MID-BAY)		
4	20	2	WOOD FURNACE FAN	1.5	WOOD FURNACE
5	20	1	OIL BURNER		OIL FURNACE
6	20	2	WELL PUMP	.75	NONFUSEABLE DSCNCT
7	20	1	FUEL PUMP - GAS		SWITCH IN OFFICE
8	20	1	FUEL PUMP - DIESEL		" " "
9	20	1	FUEL OIL TRANSFER PUMP		
10	20	1	1 ROW REAR SHOP RECEPTS		
11	20	1	SPARES		



ELECTRICAL FEEDER DIAGRAM

GENERAL NOTES.

▭ SMITHCRAFT "TECH" 30: T.E.C. 2-405 (MOUNT ON BOTTOM OF JOISTS)

Ⓣ THERMOSTAT - CONNECT TO CURCUIT

◐ 50 AMP WELDER OUTLET

▣ ALLOW FOR TELEPHONE SLEEVE THRU EXTERIOR WALL COORDINATE WITH LOCAL TELEPHONE CO.

ALL WALL OUTLETS & SWITCHES OF ALL LOCATIONS SHALL BE AT LEAST 46" OFF FLOOR (AROUND BOILER KEEP OUTLETS 4'-8" MIN. ABOVE FLOOR) ALL FLUSH MOUNTED W/CONCEALED WIRING

5:8 BURNER SAFETY SWITCH - MOUNT 6'-0" ABOVE FIN. FL.

ALL EXPOSED WIRING SHALL BE INSTALLED IN CONDUIT GREENFIELD AT ROTATING MACHINERY

STATE OF VERMONT
GIUSTINO N. MASTRO NO. 3022 REGISTERED PROFESSIONAL ENGINEER

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

AGENCY OF TRANSPORTATION
FIVE BAY GARAGE WITH OFFICE
CAMBRIDGE, VT ~ DISTRICT 8

MECHANICAL & ELECTRICAL PLANS

DATE: 1/7/83	SCALE: AS SHOWN	REVISIONS:	DWG. NO. M&E-1
DRAWN BY: R. RASETTI	APPROVED BY: G. N. Mastro		11 OF 11