

This hand-drawn electrical schematic illustrates the wiring for a mechanical room. The diagram includes the following components and connections:

- Power Entry:** A 30 A 3 Pole 600V/1 ft Non-Fusible Safety Switch NEMA 3R is connected to a 120V 1 phase line. The main supply is labeled 25 6" and 23' 0".
- 1 HP Seal Water Pump:** Labeled 1 HP Seal Water Pump, 460V 3 phase. It is connected via P1-9 and P1-10 to a 25 HP 460 V 3 phase supply.
- 25 HP 460 V 3 phase:** The main power supply for the pumps and fans.
- 1/2 HP Sump Pump:** Labeled 1/2 HP Sump Pump 460V 3 phase. It is connected via P1-13 to the 25 HP supply.
- Up to 1 HP Exhaust Fan:** Connected via P1-2 and P1-7 to the 25 HP supply.
- Dehumidifier:** Labeled Dehumidifier 120V 1 phase. It is connected via A6 and AG 4P to a 120V 1 phase line.
- Thermostat:** Labeled Thermostat Exhaust on a build-up. It is connected via A2 and CC to the 120V 1 phase line.
- Floor Drain:** Labeled Floor Drain (40). It is connected via A5 and CC to the 120V 1 phase line.
- Safety Switches:** Three 100 A 3 Pole 600V/1 ft Non-Fusible Safety Switch, NEMA 3R are shown at the bottom, connected to the 25 HP supply via 1" C-3 #6 wiring.
- Wiring Details:**
 - 3/4" C-3 #12 up to #3
 - 3/4" C-2 #12 up
 - 1" C-3 #6
 - 24" x 24" Air Duct
 - 24" x 24" x 1/2" Conc. Rod (40)
 - 2" and 4" dimensions for various components.
 - Labels A2, A5, A6, AG 4P, CC, P1-1, P1-2, P1-3, P1-7, P1-9, P1-10, P1-13.

Scale $\frac{3}{8}" = 1'0"$

11'-0"

1'-0"

9'-0"

1'-0"

4'-0"

4'-3"

6" Conc. Slab

6'-0"

2'-3"

2'-3"

18" Pipe

18" Pipe

RECORD DRAWING 3/30/83

REFORMATORY MAIN LIFT STATION ELECTRICAL PLANS & METERING MANHOLE DETAIL		
Scale: AS SHOWN	FALL CREEK R.W.D.	Sheet
Drawn By: VMS J.B.	BEAM, LONGEST & NEFF Consulting Engineers 8136 Castleton Road Indianapolis in. 46250	76
Designed By: J.R.		
Certified By: ER		