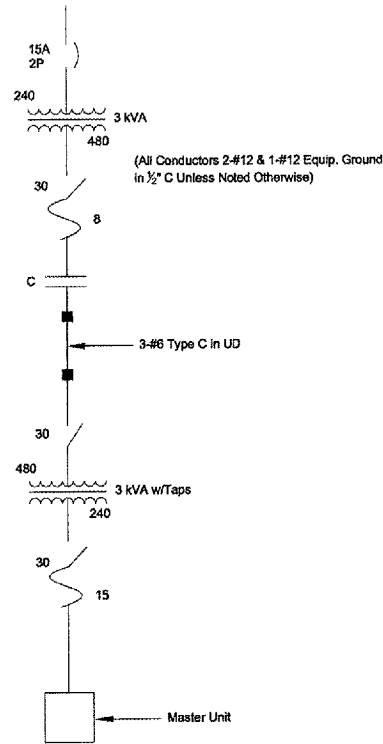
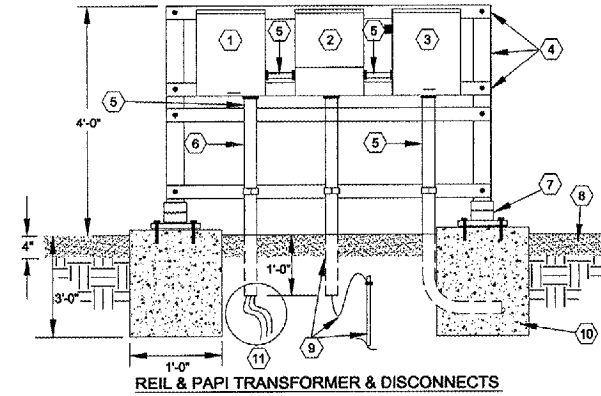


**REIL 6 1-LINE DIAGRAM**  
NO SCALE



**PAPI 6 1-LINE DIAGRAM**  
NO SCALE



**REIL & PAPI TRANSFORMER & DISCONNECTS**

- DETAIL NOTES  
NO SCALE
- ① 30 amp, 600 volt, 3-pole, non-fused disconnect in NEMA 3R enclosure - Square D, #HU361RB, or equal.
  - ② 3 kVA, 480 volt to 120/240 volt stepdown transformer with 2 - 2.5% FCAN, and 2 - 2.5% FCBN taps, in weatherproof enclosure - Acme Electric #T-2-53013-4S, or equal. Tap as required to yield 120/240 volts on the secondary side with full PAPI or REIL load applied.
  - ③ 30 amp, 2-pole, 240 volt, fusible safety switch in NEMA 3R enclosure - Square D, #H221NRB, or equal. Fuse at 15 amps with Busman #FRNR15, or equal. Provide one set of spare fuses. Provide lightning arrester for single-phase service - Square D, #SDSA1175, or equal. Cut leads as short as possible and connect to line-side of switch.
  - ④ Mounting structure shall consist of two 2" galvanized heavy wall Schedule 40 steel posts with galvanized 12 ga. strut cross-members in sufficient quantity to provide top and bottom support for all mounted enclosures and conduit fastening as shown. Provide watertight caps on top of risers. Fasten structure together with 3/8" plated bolts, nuts and lockwashers.
  - ⑤ See 1-Line Diagrams, this Sheet.
  - ⑥ Incoming 480 volt, single-phase feed from vault contactor, in 1 1/2" PVC conduit.
  - ⑦ 2" frangible coupling and flange. Fasten flange to concrete base with a minimum of four 3/8" x 4" concrete anchors.
  - ⑧ Provide rock backfill to thickness shown, to extend 2 ft. beyond edges of foundations and mounted enclosures.
  - ⑨ 1 - #10 grounding electrode conductor in 1/2" PVC to a 5/8" x 8' ground rod driven 1 ft. to the top below grade.
  - ⑩ Typical for two concrete bases required; dimensions as shown. Concrete shall be poured against undisturbed soil. Top shall finish 1" above surrounding grade.
  - ⑪ Provide fill sand around wire entrances in conduit. Provide 1 ft of slack in wire and neatly coil in an 'S' curve at conduit entrance.

PAPI - RUNWAY 06			
STATION	OFFSET	AIMING ANGLE	BEAM CENTER ELEVATION
-6+01.22	87.5' LT	3° 30'	391.56
-6+01.22	112.5' LT	3° 10'	391.56
-6+01.22	137.5' LT	2° 50'	391.56
-6+01.22	162.5' LT	2° 30'	391.56

REIL - RUNWAY 06	
STATION	OFFSET
-12+50	77.5' LT
-12+50	77.5' RT

PAPI - RUNWAY 24			
STATION	OFFSET	AIMING ANGLE	BEAM CENTER ELEVATION
30+41.66	87.5' RT	3° 30'	393.51
30+41.66	112.5' RT	3° 10'	393.51
30+41.66	137.5' RT	2° 50'	393.51
30+41.66	162.5' RT	2° 30'	393.51

REIL - RUNWAY 24	
STATION	OFFSET
38+45.1	77.5' LT
38+45.1	77.5' RT

**PAPI & REIL LOCATION AND ELEVATION CHART**