



REV		DESCRIPTION	DATE	APPROVED

- Notes:
- 8 inch thick poured in place concrete pad, 3000 PSI 8% air-entrained concrete with broom finish and one-inch chamfer around perimeter. Set top surface of pad at 2" above adjacent finish grade. Exact placement of generator pad to be field coordinated with site conditions.
  - #5 reinforcing steel bar at 10" O.C. each way. Place re-bar such as to provide a minimum of three-inches of concrete cover.
  - Twelve-inch deep (minimum) compacted gravel fill base. Remove grass, top soil, and all organic material down to undisturbed earth and back fill with structural fill. Compact fill to 95% compaction.
  - Existing undisturbed earth.
  - Generator set enclosure, pad will extend 6" beyond encl. around perimeter. Coordinate pad dimensions and enclosure placement with approved generator set shop drawings.
  - Generator set control panel. Coordinate conduit locations with equipment manufacturer's installation drawings.
  - Generator output to automatic transfer switch, see one-line diagram.
  - 3/4" C. (2) #12 engine start circuit to ATS.
  - 1" C. (24) #14 THWN conductors to gen. set remote alarm annunciator panel. Locate annunciator panel in enclosure building adjacent to entrance door.
  - 3/4" C. (2) #10 THWN to battery charger.
  - 3/4" C. (2) #10 & (1) #10 gnd. connect to secondary of existing shore power transformer via 30A 2/Pole circuit breaker in NEMA 12 enclosure.

Layout Plan (NTS)

SECTION A-A (NTS)

		PORTLAND INTERNATIONAL JETPORT FACILITIES ENGINEERING DEPARTMENT		
		GENERATOR PAD DETAIL		
DATE: 12/06/04	DESIGNER: CLA	DWG NO. Add #5 SPS-3	REV	
CK BY: PHB	SCALE: 1/8" = 1'-0"	SHEET 1 OF 1		