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Specification Number

0710-006

October 10, 2007

PLEASE DELIVER TO: Robert Lewis – City of Suffolk

PROJECT: Extended-Run UPS for Traffic Signal Applications

Specification

Provide one self-contained traffic UPS system with natural gas generator backup. Order CEPSI p/n *TRUPS-4* for a system with the following options:

1. Self-contained, gas fired, DC generator, pad mounted

- A. All aluminum, cool-touch enclosure, powder-coat gray, 41" w X 44" h X 24" d, 383 lbs.
- B. Removable F/R service panels w/ dual ACE locks (all units are keyed alike)
- C. Kohler 389cc air-cooled NG/LP DC generator on slide-out tray (configured for NG)
- D. Alpha electronic engine control module (ECM)
- E. Internal gas-leak sensor
- F. Cabinet water intrusion sensor
- G. Cabinet movement sensor
- H. Tamper sensors on both service panels
- I. Enclosure air filter, washable
- J. Gas service pressure-regulator
- K. 12vdc enclosure ventilating fan
- L. 12v maintenance-free cranking battery (provided at start-up)

2. Self-contained UPS system, pad mounted (mates w/ #1 above)

- A. All aluminum enclosure w/ hinged door & Corbin #2 lock, mill finish, 24" w X 44" h X 18" d, 138 lbs.
- B. Alpha FXM-1100 UPS, 120v, 1100W, with Web/SNMP interface (provided at start-up)
- C. Maintenance-free UPS battery, 12v, 75Ah, (4) (provided at start-up)
- D. Battery temperature sensor (provided @ startup)
- E. CEPSI fail-safe automatic bypass w/ wiring harness
- F. Enclosure ventilating fan, 120vac, thermostat controlled
- G. LED service & trouble light, rechargeable (provided at start-up)
- H. Plug-in TVSS module (provided @ startup)

3. System installation kit

- A. Site plan drawing & pad drawing
- B. Vapor barrier for installation between pad and cabinets
- C. Installation instruction set
- D. Two 2" chase-nipples
- E. AC sense cable, fused
- F. Generator DC load cables w/ connectors
- G. DC cable set for UPS w/ 4 batteries

- H. UPS & generator operators manual
- I. Keys, one for generator & one for UPS
- J. Spare generator fuse, 75A
- K. Spare AC sense fuse, ¼ A
- L. Spare indicator lamp, 120v (3)

4. UPS start-up service (after elect. is installed)

- A. Provide & install: (these items are not shipped with the generator)
 - a) Alpha FXM-1100 UPS unit
 - b) Four UPS batteries
 - c) Battery temperature sensor
 - d) LED service light
 - e) Plug-in TVSS module
- B. Inspect generator & UPS cabinet installation
- C. Inspect electrical and grounding
- D. Start-up and test UPS system
- E. Transfer traffic-signal equipment to UPS backup
- F. Simulate power-failure and monitor system for proper operation
- G. Complete UPS startup checklist and report
- H. Initiate warranty validation to begin warranty

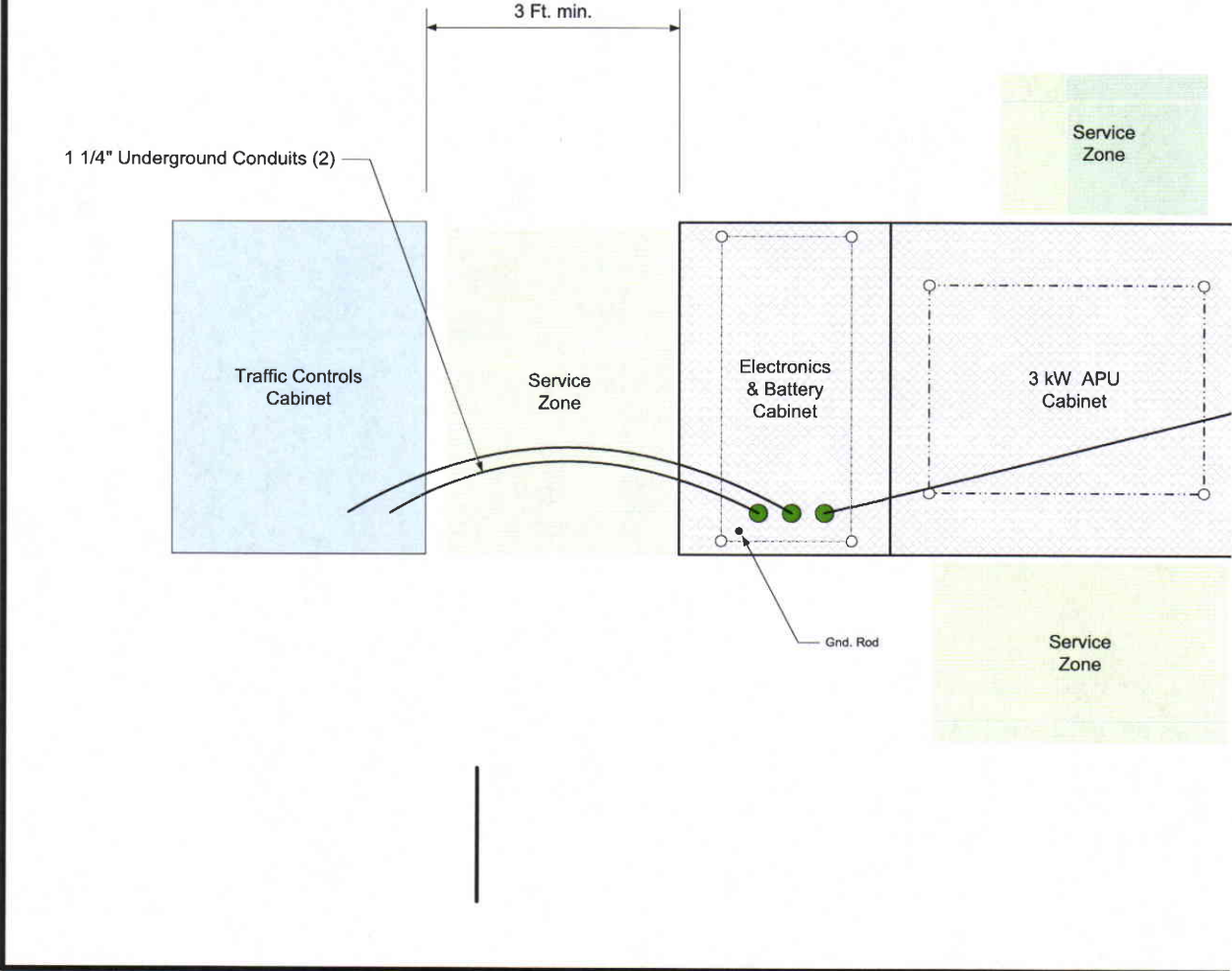
5. Generator start-up service (after gas is installed)

- 1. Provide & install: (these items are not shipped with the generator)
 - a. Generator cranking battery
 - b. Engine oil (as needed)
- 2. Inspect generator cabinet & gas installation
- 3. Check gas plumbing for leaks
- 4. Start-up and test generator system
- 5. Simulate power-failure and monitor generator & UPS system for proper operation
- 6. Complete system startup checklist and report
- 7. Initiate warranty validation to begin generator warranty

6. Warranty

- c. Generator & Electronics - 24 months from startup, repair or replace
- d. Batteries - 12 months from startup, replace
- e. Provider - CEPSI
2121 Oak Leaf Court
Powhatan, VA 23139
800 778-5684

Street Side



Street Side

