

**EQUIPMENT ARRANGEMENT PLAN**  
 SCALE 1:40

**CABLE TRAY-PLAN**  
 SCALE 1:40



DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9		138 R1	1204

REGISTERED ELECTRICAL ENGINEER  
 JENS ERLINGSSON  
 No. 8249  
 Exp. 9/30/06  
 ELECTRICAL  
 STATE OF CALIFORNIA

6/12/08  
 REGISTERED ELECTRICAL ENGINEER DATE

PLANS APPROVAL DATE  
 12-6-04

PB POWER, Inc.  
 A Parsons Brinckerhoff Company  
 303 Second St., Suite 700N  
 San Francisco, CA 94107-1317

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**EQUIPMENT SCHEDULE:**

**Equipment for Westbound**

- (A) Utility Panel, UP-108, 100 A, 208/120 V, 3-phase, 4-wire (PB-8A)
- (A1) 480 V Breaker for (A2) (Nema 4X)  
 Size: 495 H X 232 W X 124 D
- (A2) 15 kVA Transformer, 3 phase, 60 hertz  
 480 V-208/120 V, 3 phase (Nema 4X)  
 Size: 375 H X 485 W X 311 D
- (C) Remote Terminal Unit RTU #11W  
 Size: 1830 H X 940 W X 610 D
- (L) TOS/COM-8WA Pull Box (PB-2B)

**Equipment for Eastbound**

- (F) Utility Panel, UP-208, 100 A, 208/120 V, 3-phase, 4-wire (PB-8A)
- (F1) 480 V Breaker for (F2) (Nema 4X)  
 Size: 495 H X 232 W X 124 D
- (F2) 15 kVA Transformer, 3 phase, 60 hertz  
 480 V-208/120 V, 3 phase (Nema 4X)  
 Size: 375 H X 485 W X 311 D
- (F3) Enclosed circuit breaker 60 AT/100 AF  
 10 kVA 240 V 3 phase in NEMA 4X enclosure.
- (G) Lighting Panel LP-223, 100 A, 208/120 V, 3-phase, 4-wire (PB-8A)
- (G1) 480 V Breaker for (G2) (Nema 4X)  
 Size: 495 H X 232 W X 124 D
- (G2) 15 kVA Transformer, 3 phase, 60 hertz  
 480 V-208/120 V, 3 phase (Nema 4X)  
 Size: 375 H X 485 W X 311 D
- (G3) Enclosed circuit breaker 60 AT/100 AF  
 10 kVA 240 V 3 phase in NEMA 4X enclosure.
- (H) Remote Terminal Unit RTU #11E  
 Size: 1830 H X 940 W X 610 D
- (M) TOS/COM-8EA Pull Box (PB-2B)

**Equipment Common for Westbound/Eastbound**

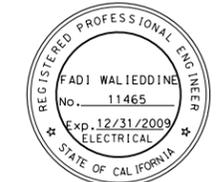
- (E) Navigation Relay Cabinet NAP-8 (PB-6C)
- (J) Telephone Terminal Box #TEL-8 (PB-7C)
- (K) Communication Terminal Box COM-8 (PB-7B)

**SHEET NOTES:**

- 1 For electrical panel support details, see AS-sheet.
- 2 Cable trays shall be without cover located below panel racks #1 and #2.
- 3 600 V Cable tray shall be ladder type with cover.

**NOTES:**

1. The contractor shall verify the sizes and mounting dimensions of all rack mounted equipment prior to the fabrication of service platform racks.
2. The Contractor shall provide fabricated tray cover over the conduits from cabinets. See sheet E-114 for locations.
3. References:
  - For platform 5 conduit, lighting and grounding plan, see sheet E-118.
  - For location of platform 8, see sheet E-50.
  - TOS are shown for conduit routing only. For typical details of TOS controller and devices, see sheets E-344 through E-361.
  - For schedule of utility panel UP-108, see sheet E-63.
  - For schedule of utility panel UP-208, see sheet E-154.
  - For schedule of lighting panel LP-223, see sheet E-157.
  - For typical panel arrangement details of SCADA communications terminal box, see sheet E-321.
  - For pull box schedule, see sheet E-83.
  - For circuit and conduit/cable tray schedules, see sheets starting at E-401.
  - For platform elevations, see sheet E-75A.



REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE					
1	06/12/08	SERVICE PLATFORM ELECTRICAL CHANGES	RR MP	RG FW	55
MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
REVISIONS					

CONTRACT CHANGE ORDER NO. \_\_\_\_\_  
 SHEET \_\_\_\_\_ OF \_\_\_\_\_  
 FOR REVISION ONLY

**DETAILS**  
**SAS SUPERSTRUCTURE ROADWAY WESTBOUND**  
**PLATFORM 8 ARRANGEMENT**  
 SCALE AS NOTED

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

