



DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9		134 R1	1204

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

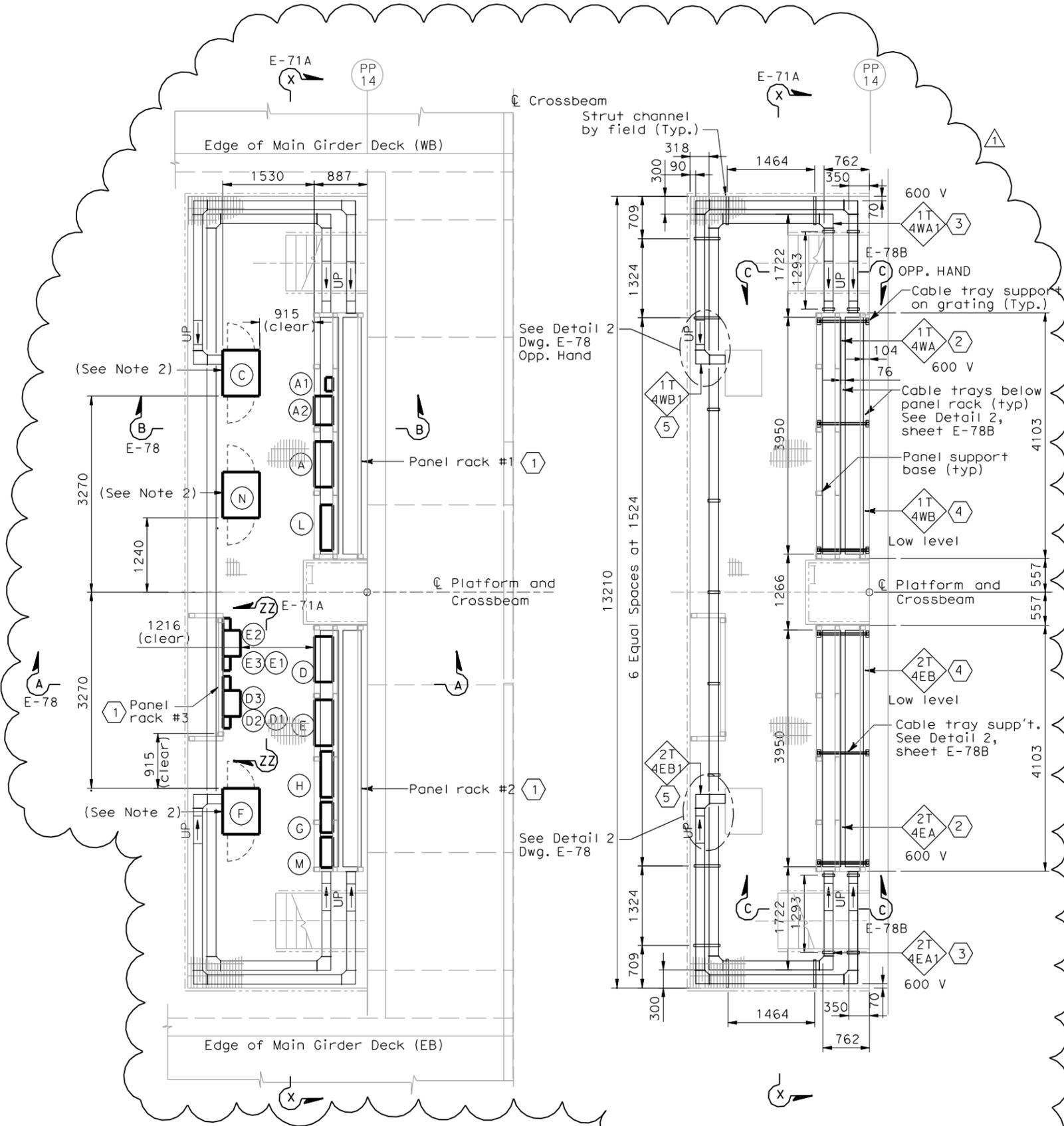
12/19/02
 REGISTERED ELECTRICAL ENGINEER DATE

12-6-04
 PLANS APPROVAL DATE

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

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EQUIPMENT ARRANGEMENT PLAN
 SCALE 1:40

CABLE TRAY & WIREWAY PLAN
 SCALE 1:40

EQUIPMENT SCHEDULE:

Equipment for Westbound

- (A) Utility Panel, UP-104, 100A 208/120 V, 3-phase, 4-wire
- (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) Controller Cabinet #TOS-4WA Size: 1625 H X 615 W X 768 D
- (L) TOS/COM-4WA Pull Box (PB-2B)
- (N) Controller Cabinet #TOS-4WB (Temporary) Size: 1625 H X 615 W X 768 D

Equipment for Eastbound

- (D) Utility Panel, UP-204, 100A MLO 208/120 V, 3-phase, 4-wire
- (D1) 480 V Breaker for (D2) (Nema 4X) Size: 495 H X 232 W X 124 D
- (D2) 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
- (D3) Enclosed circuit breaker 10 kAIC 240 V 3 phase in NEMA 4X enclosure.
- (E) Lighting Panel LP-219, 100A MLO 208/120 V, 3-phase, 4-wire
- (E1) 480 V Breaker for (E2) (Nema 4X) Size: 495 H X 232 W X 124 D
- (E2) 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
- (E3) Enclosed circuit breaker 10 kAIC 240 V 3 phase in NEMA 4X enclosure.
- (F) Controller Cabinet #TOS-4EA Size: 1625 H X 615 W X 768 D
- (M) TOS/COM-4EA Pull Box (PB-2B)

Equipment Common for Westbound/Eastbound

- (G) Telephone Terminal Box #TEL-4 (PB-7C)
- (H) Communication Terminal Box #COM-4 (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 Stainless steel wireway with cover.
- 4 Low level cable trays with cover.
- 5 Low level Stainless steel wireway 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. Contractor to provide cover and sealant to all cabinets with open bottom. Cover shall be of the same material. See Sheet E-78B for details.
- 3. References:
 - For platform 4 conduit, lighting and grounding plan, see sheet E-114.
 - For location of platform 4, see sheet E-46.
 - 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-104, see sheet E-59.
 - For schedule of utility panel UP-204, see sheet E-150.
 - For schedule of lighting panel LP-219, see sheet E-155.
 - 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-71A.



FOR REVISION ONLY

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE					
△	10/30/08	SERVICE PLATFORM ELECTRICAL CHANGES	RR MP	RG FW	55
MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
REVISIONS					

CONTRACT CHANGE ORDER NO. _____
 SHEET _____ OF _____

DETAILS
SAS SUPERSTRUCTURE ROADWAY WESTBOUND
PLATFORM 4 ARRANGEMENT
 SCALE AS NOTED

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

