

DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST TOTAL 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

12/19/02
 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, 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) 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, MLO
208/120 V, 3-phase, 4-wire
- (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
10 kAIC 240 V 3 phase in NEMA 4X enclosure.
- (G) Lighting Panel LP-223, 100 A, MLO
208/120 V, 3-phase, 4-wire
- (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
10 kAIC 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

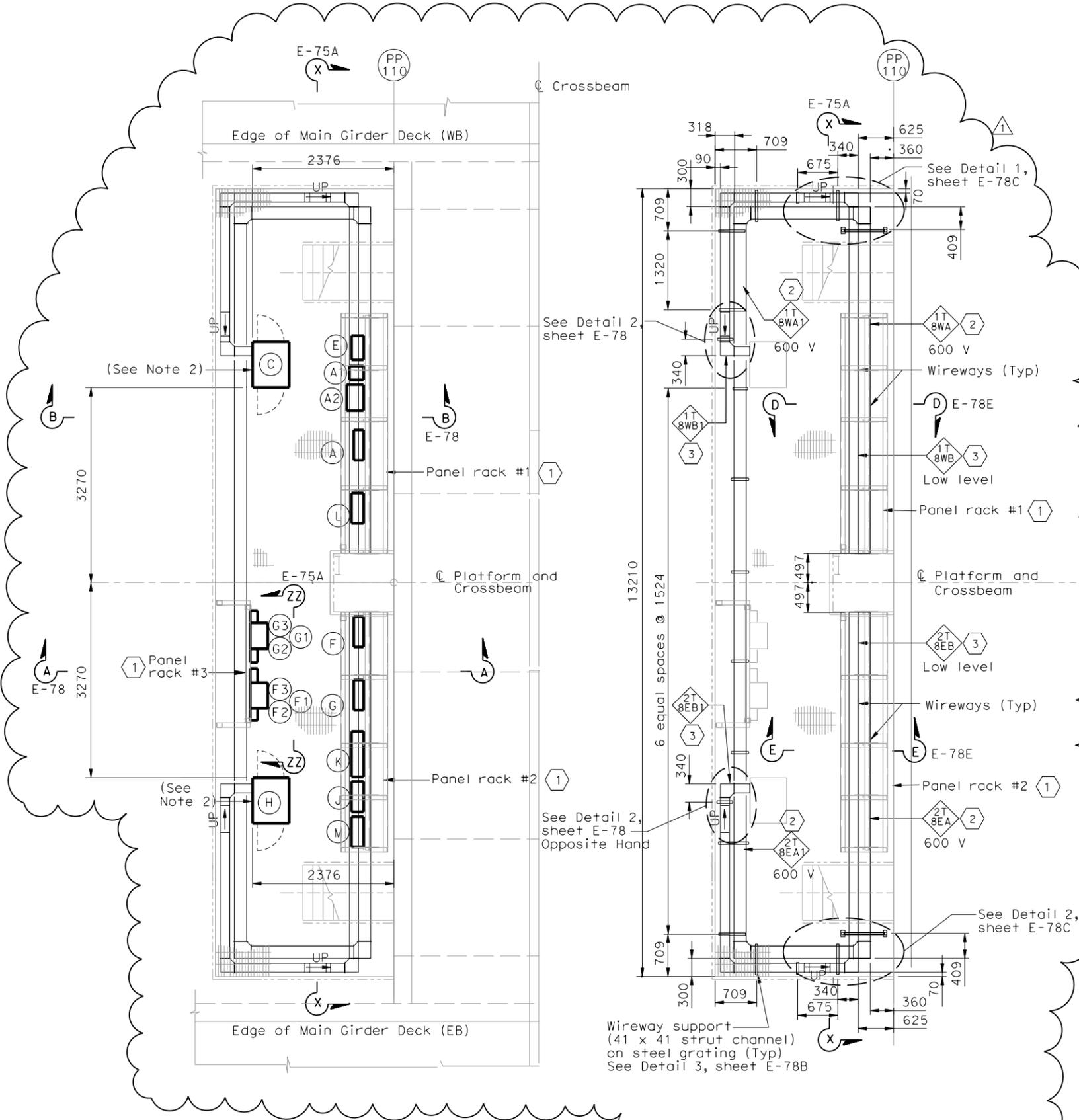
- (E) Navigation Relay Cabinet NAP-8 (PB-6C)
- (J) Telephone Terminal Box #TEL-8 (PB-7C)
- (K) Communication Terminal Box COM-8 (PB-7B)

SHEET NOTES:

1. For electrical panel support details, see AS-sheets.
2. 600 V Stainless steel wireway, Nema 4X with cover.
3. Low level Stainless steel wireway, Nema 4X with cover.

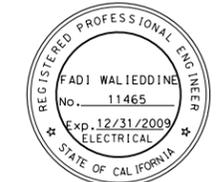
NOTES:

1. The contractor shall verify the sizes and mounting dimensions of all rack mounted equipment prior to the fabrication of service platform racks. The contractor shall also verify the wireway mounting dimensions and support locations and make adjustment as needed to suit field condition.
2. Contractor to provide cover plate and sealant to all cabinets with open bottom. Cover plate shall be of the same material. See Sheet E-78B for details.
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.



EQUIPMENT ARRANGEMENT PLAN
 SCALE 1:40

WIREWAY PLAN
 SCALE 1:40



FOR REVISION ONLY

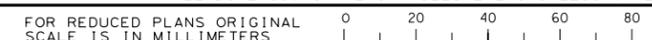
REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE				
1	03/30/09	SERVICE PLATFORM ELECTRICAL CHANGES	RR MP	RG FW 55
MARK	DATE	DESCRIPTIONS	BY	CH'D CCO#
		REVISIONS		

CONTRACT CHANGE ORDER NO. _____
 SHEET _____ OF _____

DETAILS
SAS SUPERSTRUCTURE ROADWAY WESTBOUND
PLATFORM 8 ARRANGEMENT
 SCALE AS NOTED

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.



DATE PLOTTED => 4/2/2009
 TIME PLOTTED => 3:37:15 PM
 LAST REVISION 00-00-00