DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	135 R1	1204

REGISTERED ELECTRICAL ENGINEER 6/12/08 DATE

12-6-04
PLANS APPROVAL DATE

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

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

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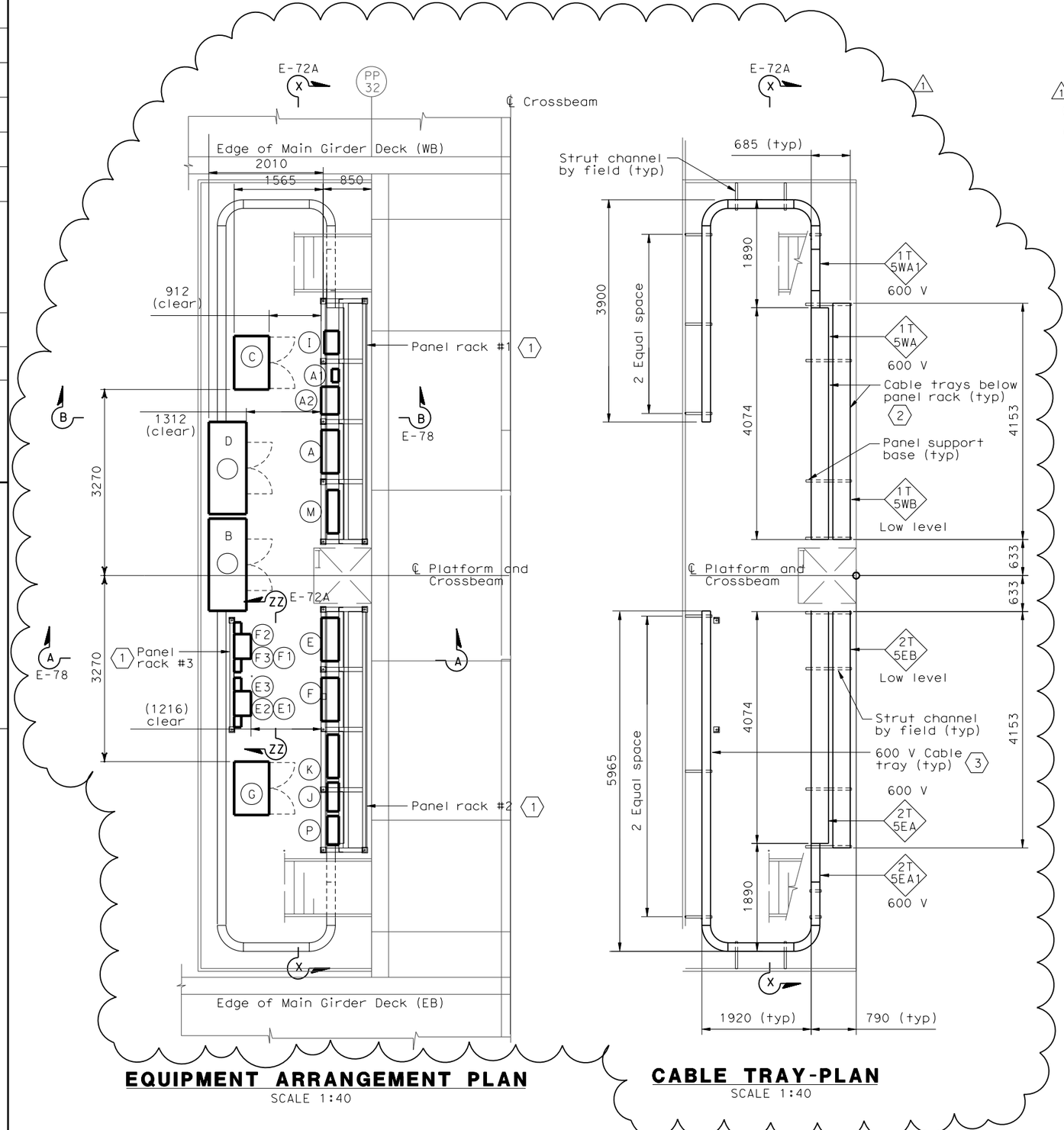
Caltrans Metric



EQUIPMENT ARRANGEMENT PLAN
SCALE 1:40

CABLE TRAY-PLAN
SCALE 1:40

EQUIPMENT SCHEDULE:

Equipment for Westbound

- (A) Utility Panel, UP-105, 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
- (B) Strong Motion Recorder #2 (Box A) Size: 1900 H X 1620 W X 660 D
- (C) Remote Terminal Unit RTU #10W Size: 1830 H X 940 W X 610 D
- (D) Strong Motion Recorder #2 (Box B) Size: 1900 H X 1620 W X 660 D
- (M) TOS/COM-5WA Pull Box (PB-2B)

Equipment for Eastbound

- (E) Utility Panel, UP-205, 100 A, 208/120 V, 3-phase, 4-wire (PB-8A)
- (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 60 AT/100 AF 10 kVA 240 V 3 phase in NEMA 4X enclosure.
- (F) Lighting Panel LP-220, 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) Remote Terminal Unit RTU #10E Size: 1830 H X 940 W X 610 D
- (P) TOS/COM-5EA Pull Box (PB-2B)

Equipment Common for Westbound/Eastbound

- (I) Navigation Relay Cabinet NAP-5 (PB-6C)
- (J) Telephone Terminal Box #TEL-5 (PB-7C)
- (K) Communication Terminal Box COM-5 (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-115.
   - For location of platform 5, see sheet E-47.
   - 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-105, see sheet E-60.
   - For schedule of utility panel UP-205, see sheet E-151.
   - For schedule of lighting panel LP-220, see sheet E-156.
   - 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-72A.

REGISTERED PROFESSIONAL ENGINEER FADI WALIEDDINE No. 11465 Exp. 12/31/2009 ELECTRICAL STATE OF CALIFORNIA

FOR REVISION ONLY

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
1	06/12/08	SERVICE PLATFORM ELECTRICAL CHANGES	RR MP	RG FW	55

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET_____ OF _____

DETAILS
SAS SUPERSTRUCTURE ROADWAY WESTBOUND PLATFORM 5 ARRANGEMENT
SCALE AS NOTED

E-72

DATE	REVISED BY	DATE	REVISED

CALCULATED/DESIGNED BY FK DATE 11/02 REVISED BY
CHECKED BY IAH 11/02 DATE REVISED

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

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LAST REVISION 00-00-00
DATE PLOTTED => 6/12/2008
TIME PLOTTED => 5:28:13 PM