DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	126 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

UTILITY PANEL UP-104 (CKT #1095)

Location: SAS SUPERSTRUCTURE SERVICE PLATFORM 4

LOAD DESCRIPTION	LTG	REC	OTH.	CB		CB	LTG	REC	OTH.	LOAD DESCRIPTION
Spare				20/1	1 A 2	20/1				Spare
Recept (2) Westbound South Barrier		360		20/1	3 B 4	20/1				Spare
Recept (2) Service Platform #4		360		20/1	5 C 6	20/1	820			Crossbeam Ltg (20)
Recept (2) Girder		360		20/1	7 A 8	20/1	984			Girder Lighting (24)
Recept (4) Crossbeam		720		20/1	9 B 10 (1)	30/1			2000	Controller Cabinet #TOS-4WA
Spare				20/1	11 C 12 (1)	30/1			2000	Controller Cabinet #TOS-4WB
TOTAL VA		1800					1804		4000	TOTAL VA

LOAD SUMMARY (INCLUDES .90 PF) (VA)

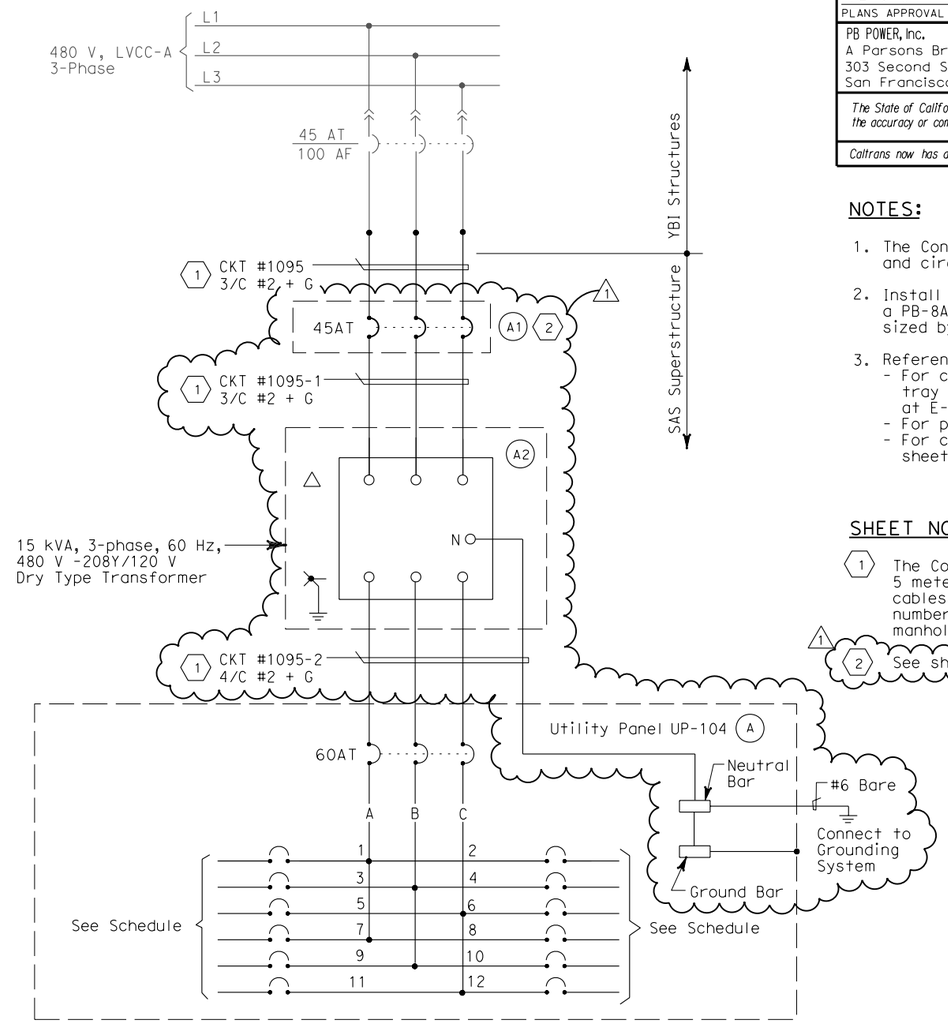
Lighting (At 100%): 1804
Gen Use (1st 10 kVA at 100% plus 50% of remainder): 5800

TOTAL kVA: 7.604

BALANCE (kVA)

Phase A - 1.344
Phase B - 3.080
Phase C - 3.180

VOLTAGE: 208/120 V
PHASE/WIRES: 3-phase, 4-wire
BUS RATING: 100 A
MAIN: 60 A
MOUNTING: Surface
K.A.I.C.: 10



NOTES:

1. The Contractor shall provide nameplates and circuit schedules as shown.
2. Install transformer/panelboard inside a PB-8A enclosure (fiberglass) to be sized by the Contractor.
3. References:
   - For circuit and conduit/cable tray schedules, see sheets starting at E-401.
   - For pull box schedule, see sheet E-83.
   - For crossbeam lighting plan, see sheet E-119.

SHEET NOTES:

(1) The Contractor shall extend and coil 5 meters of cable in manhole 25. All cables shall be tagged with circuit numbers as shown. For location of manhole 25, see sheet E-11.

(1) (2) See sheet E-71 for Equipment Schedule.

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 PANEL UP-104 SCHEDULE

E-59

DATE	REVISED BY	CALCULATED/ DESIGNED BY	CHECKED BY
8/01	12/01	JP	BL

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 6/12/2008
TIME PLOTTED => 5:40:51 PM

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

DGN FILE =>T:\13103\MS\pse\SAS Struc\CCO\SAS CC055\04-0120f1_0126R01.dgn
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