DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	127 R1	1204

REGISTERED ELECTRICAL ENGINEER 12/19/02 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-105 (CKT #1096)

Location: SAS SUPERSTRUCTURE SERVICE PLATFORM 5

LOAD DESCRIPTION	LTG	REC	OTH.	CB		CB	LTG	REC	OTH.	LOAD DESCRIPTION
Spare				20/1	1 A 2	20/1				Spare (1)
Recept (2) Westbound South Barrier		360		20/1	3 B 4	20/1				Spare
Recept (2) Service Platform #5		360		20/1	5 C 6	20/1				Spare
Recept (2) Girder		360		20/1	7 A 8	20/1	738			Girder Lighting (18)
Recept (4) Crossbeams		720		20/1	9 B 10	20/1	820			Crossbeam Ltg (20)
RTU #10W (PLC Power Supply)			100	20/1	11 C 12	20/1			900	Strong Motion Recorder #2 Box A
RTU #10W (Lighting & Receptacle)	105	180	150	20/1	13 A 14	20/1			300	Strong Motion Recorder #2 Box B
Navigation Relay Cabinet #NAP-5			600	20/1	15 B 16	20/1				Spare
Spare				20/1	17 C 18	20/1				
				20/1	19 A 20	20/1				
				20/1	21 B 22	20/1				
				20/1	23 C 24	20/1				
TOTAL VA	105	1980	850				1558		(1) 1200	TOTAL VA

LOAD SUMMARY (INCLUDES .90 PF) (VA)

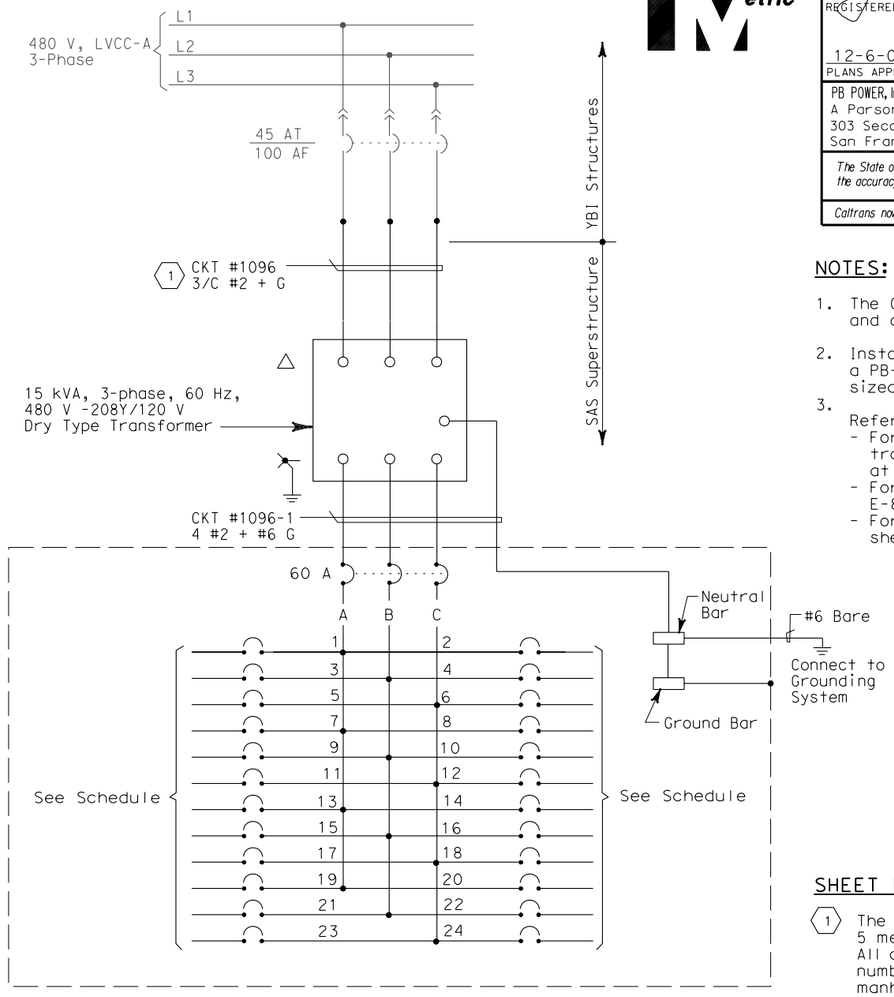
Lighting (At 100%): 1663
Gen Use (1st 10 kVA AT 100% Plus 50% of remainder): 4050

TOTAL kVA: (1) 5.693

BALANCE (kVA)

Phase A - 1.833
Phase B - 2.500 (1)
Phase C - 1.360

VOLTAGE: 208Y/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 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.

REGISTERED PROFESSIONAL ENGINEER S. A. ESTOQUE, JR. No. E-10151 Exp. 12/31/2008 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	03/04/08	BARRIER MODIFICATIONS	JS BM	RG SE	44

REVISIONS

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

DETAILS
SAS SUPERSTRUCTURE ROADWAY WESTBOUND PANEL UP-105 SCHEDULE

E-60

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

DATE	REVISED BY	DATE	REVISED
08/01	JP	11/01	BL

CALCULATED/DESIGNED BY
CHECKED BY

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 5/22/2008
TIME PLOTTED => 10:39:38 AM

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

DGN FILE =>T:\13103\MS\pse\SAS Struc\CCO\SAS CCO44\04-0120f1_0127R01.dgn
USERNAME =>llorico

CU 04251 EA 0120F1