DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	200R1	1204

REGISTERED ELECTRICAL ENGINEER 12/19/02 DATE

12-6-04
PLANS APPROVAL DATE

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

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

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

Caltrans now has a web site! To get to the web site, go to http://www.dot.ca.gov

Caltrans Metric

UTILITY PANEL UP-205 (CKT #2096)

Location: SAS SUPERSTRUCTURE SERVICE PLATFORM #5

LOAD DESCRIPTION	LTG	REC	OTH.	CB		CB	LTG	REC	OTH.	LOAD DESCRIPTION
Recept (2) Eastbound North Barrier		360		20/1	1 A 2	20/1			10	CB-242A
Spare				20/1	3 B 4	20/1			20	CB-242B, 242C
Recept (2) Service Platform #5		360		20/1	5 C 6	20/1				Spare 1
Recept (2) Girder		360		20/1	7 A 8	20/1	738			Girder Lighting (18)
RTU #10E (PLC Power Supply)			100	20/1	9 B 10	20/1				Spare
RTU-#10E (Lighting & Receptacle)	105	180	150	20/1	11 C 12	20/1				Spare
TOTAL WATTS	105	1260	250				738		30 1	TOTAL VA

LOAD SUMMARY (INCLUDES .90 PF) (VA)

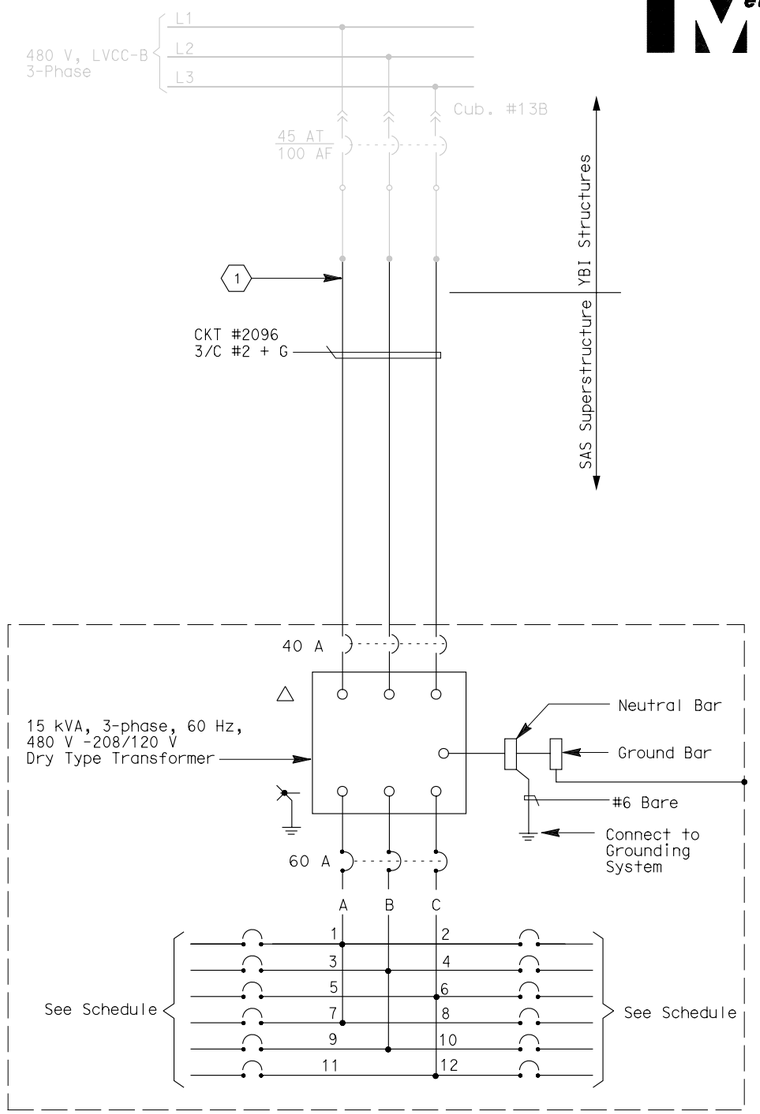
Lighting (At 100%): 843
Gen Use (1st 10 kVA at 100% Plus 50% of remainder): 1540 1

TOTAL kVA: 2.383 1

BALANCE (kVA)

Phase A - 1.468
Phase B - 0.120
Phase C - 0.795 1

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



SHEET NOTES:

1. The Contractor shall extend and coil 5.0 meters of cable in manhole #25. All cables shall be tagged with circuit numbers as shown.

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 LVCC-B single line diagram, see sheets E-32 thru E-34.
   - For circuit and conduit/cable tray schedules, see sheets starting at E-401.
   - For pull box schedule, see sheet E-169.

REGISTERED PROFESSIONAL ENGINEER MAXWELL FUMIO TAKAKI No. E 8651 Exp. 9/30/2008 ELECTRICAL STATE OF CALIFORNIA

FOR REVISION ONLY

MARK	DATE	DESCRIPTIONS	BY	CK	CCO
1	8/6/07	Electrical modifications.	MP EL	RR	42

REVISIONS

CONTRACT CHANGE ORDER NO. 42
SHEET ____ OF ____

DETAILS
SAS SUPERSTRUCTURE ROADWAY EASTBOUND PANEL UP-205 SCHEDULE
NO SCALE

E-151

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: BEHZAD GOLEMOHAMMADI
CALCULATED/DESIGNED BY: JP DATE 7/01
CHECKED BY: BL 12/01
REVISED BY
DATE REVISED

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

DGN FILE =>t:\13103\ms\pse\sas struc\cco\sas cco42\04-0120f1_0200r01.dgn
USERNAME =>$USER

CU 04251

EA 0120F1

LAST REVISION 00-00-00
DATE PLOTTED => 12/19/2007
TIME PLOTTED => $TIME