DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	203 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-208 (CKT #2099)

Location: SAS SUPERSTRUCTURE SERVICE PLATFORM #8

LOAD DESCRIPTION	LTG	REC	OTH.	CB		CB	LTG	REC	OTH.	LOAD DESCRIPTION
Recept (3) Eastbound North Barrier		540		20/1	1 A 2	20/1		(1)	10	CB-243A (1)
Spare				20/1	3 B 4	20/1			10	CB-243B
Recept (2) Service Platform #8		360		20/1	5 C 6	20/1			20	CB-243C,CB-244C
Recept (3) Girder		540		20/1	7 A 8	20/1	984			Girder Lighting (24)
RTU-#11E (PLC Power Supply)			100	20/1	9 B 10	20/1	697			Girder Lighting (17)
RTU-#11E (Lighting & Receptacle)	105	180	150	20/1	11 C 12	20/1				Spare
Spare				20/1	13 A 14	20/1				Spare
Navigation Relay Cabinet # NAP-8			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			(1)	
TOTAL VA	105	1620	850				1681		40	TOTAL VA

LOAD SUMMARY (INCLUDES .90 PF) (VA)

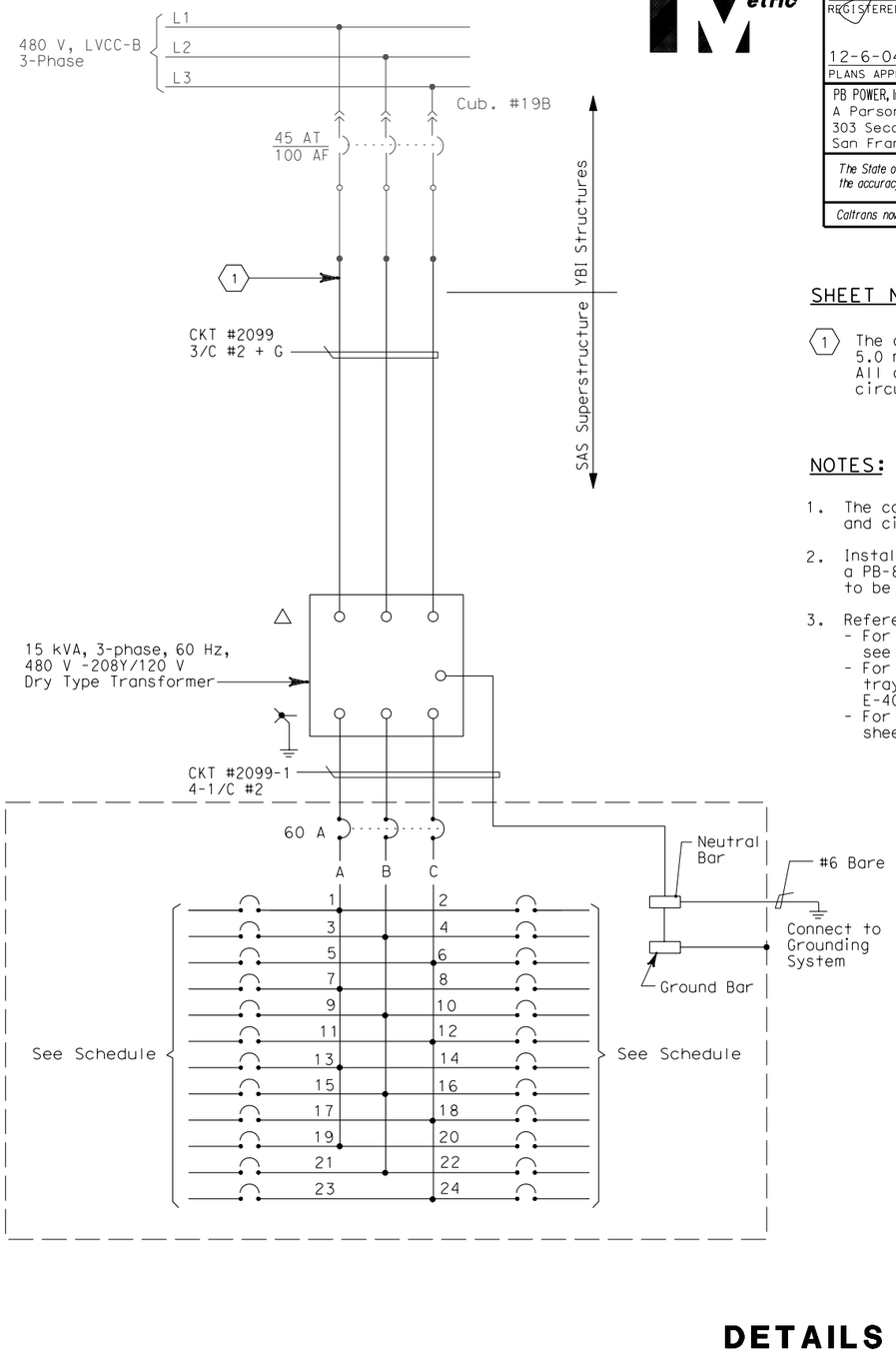
Lighting (At 100%): 1786
Gen Use (1st 10 kVA at 100% Plus 50% of remainder): 2,530

TOTAL kVA: 4.296 (1)

BALANCE (kVA)

Phase A - 2.074 (1)
Phase B - 1.407
Phase C - 0.815

VOLTAGE: 208Y/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 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					
(1)	03/04/08	BARRIER MODIFICATIONS	JS BM	RG SE	44
MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
REVISIONS					

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

DETAILS
SAS SUPERSTRUCTURE ROADWAY EASTBOUND PANEL UP-208 SCHEDULE
NO SCALE

E-154

CALCULATED/DESIGNED BY	JP	DATE 8/01	REVISED BY EJL
CHECKED BY	BL	12/01	DATE REVISED 2/04

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 5/22/2008
TIME PLOTTED => 10:51:34 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_0203R01.dgn
USERNAME =>llorico

CU 04251 EA 0120F1