DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	362 R3	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

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
3	03/30/09	SERVICE PLATFORM ELECTRICAL CHANGES	RY RR	RG MP	55
2	02/25/08	CABLE TRAY CHANGES	RR TW	RG	42S1
1	03/04/08	BARRIER MODIFICATIONS	JS BM	RG	44

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET_____ OF_____

REGISTERED PROFESSIONAL ENGINEER S. A. ESTOQUE, JR No. E-10151 Exp. 12/31/2008 ELECTRICAL STATE OF CALIFORNIA
FOR REVISION ONLY 1 2

REGISTERED PROFESSIONAL ENGINEER FADI WALIEDDINE No. 11465 Exp. 12/31/2009 ELECTRICAL STATE OF CALIFORNIA
FOR REVISION ONLY 3

CONDUIT DATA

Conduit No.	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
						1117-1	1-3/C #14, 600 V, EPR insulation
						A-3009-1	1-3/C + gnd #2, 600 V, EPR insulation
						1202-4	1-3/C #14, 600 V, EPR insulation
						1117-2	1-3/C #16, 600 V, EPR insulation
						S-3021-1	1-3/C + gnd #4, 600 V, EPR insulation
						S-3023-1	1-3/C + gnd #4, 600 V, EPR insulation
						S-3056-1	1-3/C + gnd #6, 600 V, EPR insulation
						S-1031-3	1-3/C + gnd #4, 600 V, EPR insulation
						S-1032-1	1-3/C + gnd #4, 600 V, EPR insulation
						A-1035-1	1-3/C + gnd #6, 600 V, EPR insulation
						1202-3	1-7/C #16, 600 V, EPR insulation
						1099	1-3/C + gnd #2, 600 V, EPR insulation
						1098	1-3/C + gnd #2, 600 V, EPR insulation
						1097	1-3/C + gnd #2, 600 V, EPR insulation
						1096	1-3/C + gnd #2, 600 V, EPR insulation
						1095	1-3/C + gnd #2, 600 V, EPR insulation
						1117	1-3/C + gnd #2/0, 600 V, EPR insulation
						1256-1	1-3/C #16, 600 V, EPR insulation
						1202-1	1-2/C + gnd #8 ,600 V, EPR insulation
						1255-2	1-3/C #16, 600 V, EPR insulation
						A-3008-1	1-2/C + gnd #8, 600 V, EPR insulation
						1202-2	1-3/C #14, 600 V, EPR insulation
						A-3011-1	1-3/C + gnd #2, 600 V, EPR insulation
1T24	E-114	610	152.4 mm siderail ladder tray	1652.27	18064.48	UP104-7	1-2/C + gnd #8, 600 V, EPR insulation
						1095	1-3/C + gnd #2, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						UP104-9	1-2/C + gnd #10, 600 V, EPR insulation
						UP104-8	1-2/C + gnd #8, 600 V, EPR insulation
						1255-1	1-3/C #16, 600 V, EPR insulation
						UP104-3	1-2/C + gnd #10, 600 V, EPR insulation
						UP204-1	1-2/C + gnd #10, 600 V, EPR insulation
						UP104-6	1-2/C + gnd #8 ,600 V, EPR insulation
1T25	E-114B 3	610	152.4 mm siderail ladder tray	3092.69	18064.48	UP105-10	1-2/C + gnd #8, 600 V, EPR insulation
						1201-1	1-2/C + gnd #8, 600 V, EPR insulation
						1201-2	1-2/C + gnd #8, 600 V, EPR insulation
						1201-6	1-2/C + gnd #8, 600 V, EPR insulation
						1096	1-3/C + gnd #2, 600 V, EPR insulation
						1255-1	1-3/C #16, 600 V, EPR insulation
						1202-4	1-3/C #14, 600 V, EPR insulation
						UP105-8	1-2/C + gnd #8, 600 V, EPR insulation
						UP205-1	1-2/C + gnd #10, 600 V, EPR insulation
						1115-1	1-3/C #14, 600 V, EPR insulation
						1202-3	1-7/C #16, 600 V, EPR insulation
						1202-2	1-3/C #14, 600 V, EPR insulation
						1115-2	1-3/C #16, 600 V, EPR insulation
						1255-2	1-3/C #16, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						UP105-3	1-2/C + gnd #10, 600 V, EPR insulation
						UP105-9	1-2/C + gnd #8, 600 V, EPR insulation
						UP105-7	1-2/C + gnd #8, 600 V, EPR insulation
						S-3056-5	1-4/C #14, 600 V, EPR insulation
						S-3056-7	1-2/C #14, 600 V, EPR insulation
1T26	E-116	610	152.4 mm siderail ladder tray	2773.72	18064.48	UP106-1	1-2/C + gnd #8, 600 V, EPR insulation
						UP106-8	1-2/C + gnd #8, 600 V, EPR insulation
						UP106-3	1-2/C + gnd #8, 600 V, EPR insulation
						1255-2	1-3/C #16, 600 V, EPR insulation
						UP206-1	1-2/C + gnd #10, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						1202-2	1-3/C #14, 600 V, EPR insulation
						1202-3	1-7/C #16, 600 V, EPR insulation
						UP106-6	1-2/C + gnd #8, 600 V, EPR insulation
						UP106-7	1-2/C + gnd #8, 600 V, EPR insulation
						CCTVE01BA	TVP
						CCTVE01BB	TVCP
						UP106-9	1-2/C + gnd #8, 600 V, EPR insulation
						1097	1-3/C + gnd #2, 600 V, EPR insulation
						1202-4	1-3/C #14, 600 V, EPR insulation
						1202-1	1-2/C + gnd #8, 600 V, EPR insulation
1T27	E-117	610	152.4 mm siderail ladder tray	1726.55	18064.48	UP107-6	1-2/C + gnd #8, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						UP107-7	1-2/C + gnd #8, 600 V, EPR insulation
						UP107-9	1-2/C + gnd #8, 600 V, EPR insulation
						1256-1	1-3/C #16 ,600V, EPR insulation
						UP107-8	1-2/C + gnd #8, 600 V, EPR insulation

CONDUIT DATA

Conduit No.	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
						1098	1-3/C + gnd #2, 600 V, EPR insulation
						UP107-3	1-2/C + gnd #8, 600 V, EPR insulation
1T28	E-118	610	152.4 mm siderail ladder tray	3336.36	18064.48	UP108-8	1-2/C + gnd #8, 600 V, EPR insulation
						UP108-3	1-2/C + gnd #8, 600 V, EPR insulation
						UP108-10	1-2/C + gnd #8, 600 V, EPR insulation
						S-3056-8	1-4/C #14, 600 V, EPR insulation 3
						Pull rope	Soft-Fiber Polyester
						UP108-7	1-2/C + gnd #8, 600 V, EPR insulation
						1117-2	1-3/C #16 ,600V, EPR insulation
						2201-5	1-3/C #14, 600 V, EPR insulation
						2201-3	1-3/C #14, 600 V, EPR insulation
						2201-1	1-2/C + gnd #8, 600 V, EPR insulation
						2201-4	1-9/C #16, 600 V, EPR insulation
						1118-2	1-3/C #16, 600 V, EPR insulation
						UP108-9	1-2/C + gnd #8, 600 V, EPR insulation
						UP108-12	1-2/C + gnd #8, 600 V, EPR insulation
						1117-1	1-3/C #14, 600 V, EPR insulation
						1118-1	1-3/C #14, 600 V, EPR insulation 3
						1099	1-3/C + gnd #2, 600 V, EPR insulation
						1256-1	1-3/C #16, 600 V, EPR insulation
1T29	E-20B, E-126	610	152.4 mm siderail ladder tray	11507.41	18064.48	1106	1-3/C + gnd #6, 600 V, EPR insulation
						S-1032-1	1-3/C + gnd #4, 600 V, EPR insulation
						A-3002-1	1-3/C + gnd #4, 600 V, EPR insulation
						A-3001-1	1-3/C + gnd #4, 600 V, EPR insulation
						A-3013-1	1-3/C + gnd #2, 600 V, EPR insulation
						A-3012-1	1-3/C + gnd #2, 600 V, EPR insulation
						S-3023-1	1-3/C + gnd #4, 600 V, EPR insulation
						1097	1-3/C + gnd #2, 600 V, EPR insulation
						S-3051-1	1-3/C + gnd #4, 600 V, EPR insulation
						A-1035-1	1-3/C + gnd #6, 600 V, EPR insulation
						A-3011-1	1-3/C + gnd #2, 600 V, EPR insulation
						S-3021-1	1-3/C + gnd #4, 600 V, EPR insulation
						S-3022-1	1-3/C + gnd #2, 600 V, EPR insulation
						S-3056-1	1-3/C + gnd #6, 600 V, EPR insulation
						1098	1-3/C + gnd #2, 600 V, EPR insulation
						1096	1-3/C + gnd #2, 600 V, EPR insulation
						1095	1-3/C + gnd #2, 600 V, EPR insulation
						S-1031-1	1-3/C + gnd #2, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						1099	1-3/C + gnd #2, 600 V, EPR insulation
						A-3008-1	1-2/C + gnd #8, 600 V, EPR insulation
						1117	1-3/C + gnd #2/0, 600 V, EPR insulation
						A-3010-1	1-3/C + gnd #2, 600 V, EPR insulation
						1115	1-3/C + gnd #1/0, 600 V, EPR insulation
						1115-1	1-3/C #14, 600 V, EPR insulation
						1115-2	1-3/C #16, 600 V, EPR insulation
						A-3009-1	1-3/C + gnd #2, 600 V, EPR insulation

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-407

REVISED BY	DATE REVISED

CALCULATED/DESIGNED BY	DATE 8/02
PBP	8/02
CHECKED BY	AB

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 3/31/2009
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FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

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