DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	373 R2	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

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

FOR REVISION ONLY

CONTRACT CHANGE ORDER NO._____
SHEET_____ OF_____

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
2	02/25/08	CABLE TRAY CHANGES	TW	RG	42S1
1	03/04/08	BARRIER MODIFICATIONS	JS BM	RG SE	44

REVISIONS

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
2959	E-139	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2960	E-139	41	RGS conduit	440.31	534.55	LP223-2,4A	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
2961	E-139	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2962	E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2963	E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2964	E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2965	E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2966	E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2967	E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2T13	E-181 Thru E-186	305	152.4 mm siderail ladder tray	2780.99	8387.08	Pull rope	Soft-Fiber Polyester
	E-212A 2					2391	3-1/C #4/0 + 1/C #1/0 gnd, 15kV, EPR insulation
2T14	E-212A, E-21B 2	305	152.4 mm siderail ladder tray	2780.99	8387.08	Pull rope	Soft-Fiber Polyester
						2391	3-1/C #4/0 + 1/C #1/0 gnd, 15kV, EPR insulation
2T14A	E-21, E-21E	305	152.4 mm siderail ladder tray	0.00	12580.62		
2T14B	E-21, E-21E	305	152.4 mm siderail ladder tray	0.00	12580.62		
						2	
2T21	E182,E207C,E264	610	152.4 mm siderail ladder tray	0.00	16774.16		
2T23	E-181 Thru E-186	760	152.4 mm siderail ladder tray	19079.92	22580.60	2202-2	1-3/C #14,600 V, EPR insulation
	E-212A 2					A-3004-1	1-3/C + gnd #2,600 V, EPR insulation
						A-3003-1	1-3/C + gnd #4,600 V, EPR insulation
						A-2013-1	1-3/C + gnd #2,600 V, EPR insulation
						A-2012-1	1-3/C + gnd #2,600 V, EPR insulation
						2123	1-3/C + gnd #2,600 V, EPR insulation
						2202-3	1-7/C #16,600 V, EPR insulation
						2105	1-3/C + gnd #2,600 V, EPR insulation
						2106	1-3/C + gnd #2,600 V, EPR insulation
						2120-1	1-3/C #14,600 V, EPR insulation
						2120-2	1-3/C #14,600 V, EPR insulation
						2202-4	1-3/C #14,600 V, EPR insulation
						2104	1-3/C + gnd #2,600 V, EPR insulation
						2121	1-3/C + gnd #1/0,600 V, EPR insulation
						2204-1	1-3/C #16,600 V, EPR insulation
						UP204-7	1-2/C + gnd #8,600 V, EPR insulation
						2119-A	1-3/C + gnd 250 Kcmil,600 V, EPR insulation
						CCTVE01BA	TVP
						CCTVE01BB	TVCP
						CCTVE01AA	TVP
						2121-2	1-3/C #14,600 V, EPR insulation
						2201-2	1-2/C + gnd #8,600 V, EPR insulation
						2123-2	1-3/C + gnd #2/0,600 V, EPR insulation
						2123-3	1-3/C + gnd #2/0,600 V, EPR insulation
						1118	1-3/C + gnd #2/0,600 V, EPR insulation
						2095	1-3/C + gnd #2,600 V, EPR insulation
						2096	1-3/C + gnd #2,600 V, EPR insulation
						2097	1-3/C + gnd #2,600 V, EPR insulation
						2098	1-3/C + gnd #2,600 V, EPR insulation
						2099	1-3/C + gnd #2,600 V, EPR insulation
						S-3053-1	1-3/C + gnd #2,600 V, EPR insulation
						2107	1-3/C + gnd #2,600 V, EPR insulation
						2120	1-3/C + gnd #1/0,600 V, EPR insulation
						2201-6	1-2/C + gnd #8,600 V, EPR insulation
						1201-1	1-2/C + gnd #8,600 V, EPR insulation
						2202-1	1-2/C + gnd #8,600 V, EPR insulation
						2204-2	1-3/C #16,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						A-3041-1	1-3/C + gnd #2,600 V, EPR insulation
						S-3052-1	1-3/C + gnd #2,600 V, EPR insulation
						2125	1-3/C + gnd 250 Kcmil,600 V, EPR insulation
						2103	1-3/C + gnd #2,600 V, EPR insulation
						S-3056-9	1-4/C #14,600 V, EPR insulation
						CCTVE01AB	TVCP
						2121-1	1-3/C #14,600 V, EPR insulation
						S-3056-6	1-4/C #14,600 V, EPR insulation

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
2T24	E-114, E-182	610	152.4 mm siderail ladder tray	2284.74	18064.48	LP219-2,4	1-3/C + gnd #6,600 V, EPR insulation
						LP219-6,8	1-3/C + gnd #6,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						UP204-7	1-2/C + gnd #8,600 V, EPR insulation
						UP204-1	1-2/C + gnd #10,600 V, EPR insulation
						UP204-8	1-2/C + gnd #8,600 V, EPR insulation
						2103	1-3/C + gnd #2,600 V, EPR insulation
						2095	1-3/C + gnd #2,600 V, EPR insulation
2T25	E-115, E-182	610	152.4 mm siderail ladder tray	3803.05	18064.48	UP205-7	1-2/C + gnd #8,600 V, EPR insulation
						UP205-1	1-2/C + gnd #10,600 V, EPR insulation
						LP220-6,8	1-3/C + gnd #6,600 V, EPR insulation
						LP220-2,4	1-3/C + gnd #6,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						S-3056-6	1-4/C #14,600 V, EPR insulation
						2202-2	1-3/C #14,600 V, EPR insulation
						2120-1	1-3/C #14,600 V, EPR insulation
						2204-2	1-3/C #16,600 V, EPR insulation
						2121-2	1-3/C #14,600 V, EPR insulation
						2096	1-3/C + gnd #2,600 V, EPR insulation
						2204-1	1-3/C #16,600 V, EPR insulation
						2104	1-3/C + gnd #2,600 V, EPR insulation
						UP205-8	1-2/C + gnd #8,600 V, EPR insulation
						2202-4	1-3/C #14,600 V, EPR insulation
						2202-3	1-7/C #16,600 V, EPR insulation
						2120-2	1-3/C #14,600 V, EPR insulation
						2121-1	1-3/C #14,600 V, EPR insulation
2T26	E-117, E-183	610	152.4 mm siderail ladder tray	3296.85	18064.48	2202-1	1-2/C + gnd #8,600 V, EPR insulation
						CCTVE01BA	TVP
						LP221-2,4	1-3/C + gnd #6,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						CCTVE01AB	TVCP
						CCTVE01AA	TVP
						CCTVE01BB	TVCP
						LP221-6,8	1-3/C + gnd #6,600 V, EPR insulation
						UP206-7	1-2/C + gnd #8,600 V, EPR insulation
						UP207-1	1-2/C + gnd #10,600 V, EPR insulation
						UP206-1	1-2/C + gnd #10,600 V, EPR insulation
						2202-2	1-3/C #14,600 V, EPR insulation
						2105	1-3/C + gnd #2,600 V, EPR insulation
						2097	1-3/C + gnd #2,600 V, EPR insulation
						UP206-8	1-2/C + gnd #8,600 V, EPR insulation
						2202-4	1-3/C #14,600 V, EPR insulation
						2202-3	1-7/C #16,600 V, EPR insulation

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-418

REVISED BY	DATE REVISED
PBP	8/02

CALCULATED/ DESIGNED BY	CHECKED BY
AB	

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

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Caltrans

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