DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	361 R4	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

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REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
4	03/30/09	SERVICE PLATFORM ELECTRICAL CHANGES	RY RR	RG MP	55
3	02/25/08	CABLE TRAY CHANGES	RR TW	RG	42S1
2	03/04/08	BARRIER MODIFICATIONS	JS BM	RG SE	44
1	02/19/08	ELECTRICAL MODIFICATIONS	MP EL	RR	42

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET_____ OF_____

REGISTERED PROFESSIONAL ENGINEER MAXWELL FUMIO TAKAKI No. E 8651 Exp. 9/30/2008 ELECTRICAL STATE OF CALIFORNIA
FOR REVISION ONLY 1

REGISTERED PROFESSIONAL ENGINEER S. A. ESTOQUE, JR No. E-10151 Exp. 12/31/2008 ELECTRICAL STATE OF CALIFORNIA
FOR REVISION ONLY 2 3

REGISTERED PROFESSIONAL ENGINEER FADI WALIEDDINE No. 11465 Exp. 12/31/2009 ELECTRICAL STATE OF CALIFORNIA
FOR REVISION ONLY 4

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
1843	E-47	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1844	E-47	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1845	E-47	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1846	E-48	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1847	E-48	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1848	E-48	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1849	E-48	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1850	E-48	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1851	E-49	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1852	E-49	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1853	E-49	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1854	E-49	41	RGS conduit	262.06	534.55		
						UP107-3A	2 + 1 gnd #12,#12, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
1855	E-49	41	RGS conduit	262.06	534.55		
						UP107-3A	2 + 1 gnd #12,#12, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
1856	E-50	41	RGS conduit	262.06	534.55		
						UP107-3A	2 + 1 gnd #12,#12, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
1857	E-50	41	RGS conduit	162.40	534.55	UP107-3A	2 + 1 gnd #12,#12, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
1858	E-50	41	RGS conduit	0.00	534.55		
						Pull rope	Soft-Fiber Polyester
1859	E-50	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1860	E-50	41	RGS conduit	0.00	534.55		
						Pull rope	Soft-Fiber Polyester
1861	E-50	41	RGS conduit	265.64	534.55	Pull rope	Soft-Fiber Polyester
						S-1032-2	3 + 1 gnd #6, #8, 600 V, RHH/RHW insulation
1862	E-50, E-51	41	RGS conduit	265.64	534.55	Pull rope	Soft-Fiber Polyester
						S-1032-2	3 + 1 gnd #6, #8, 600 V, RHH/RHW insulation
1863	E-51	41	RGS conduit	265.64	534.55	Pull rope	Soft-Fiber Polyester
						S-1032-S	3 + 1 gnd #6, #8, 600 V, RHH/RHW insulation
1864	E-51	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1865	E-51	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1900	E-50	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1901	E-50	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1902	E-50	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1903	E-51	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1904	E-51	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1905	E-51	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1906	E-51	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
1907	E-51	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1908	E-51	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1950	E-50	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1951	E-50	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1952	E-50	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1953	E-51	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1954	E-51	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1955	E-51	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1956	E-51	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1957	E-51	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1958	E-51	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1T13	E-96, E-101 E-126A	305	152.4 mm siderail ladder tray	2780.99	19354.80	1391	3-1/C #4/0 + 1/C #1/0 gnd, 15 kV, EPR insulation
						Pull rope	Soft-Fiber Polyester
1T14	E-20B, E-126	305	152.4 mm siderail ladder tray	2780.99	8387.08	1391	3-1/C #4/0 + 1/C #1/0 gnd, 15 kV, EPR insulation
						Pull rope	Soft-Fiber Polyester
1T23	E-114B (4)	610	152.4 mm siderail ladder tray	14012.37	18064.48		
						A-3010-1	1-3/C + gnd #2, 600 V, EPR insulation
						1115-2	1-3/C #16, 600 V, EPR insulation
						S-1031-1	1-3/C + gnd #2, 600 V, EPR insulation
						1115-1	1-3/C #14, 600 V, EPR insulation
						2201-1	1-2/C + gnd #8, 600 V, EPR insulation
						A-3009-3	1-3/C + gnd #6, 600 V, EPR insulation
						1106	1-3/C + gnd #6, 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
						S-3056-8	1-4/C #14, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						A-3010-3	1-3/C #6 + gnd 600 V, RHH/RHW insulation
						S-3051-1	1-3/C + gnd #4, 600 V, EPR insulation
						UP108-3	1-2/C + gnd #8, 600 V, EPR insulation
						1255-1	1-3/C #16 ,600V, EPR insulation
						A-3001-1	1-3/C + gnd #4, 600 V, EPR insulation
						A-3012-1	1-3/C + gnd #2, 600 V, EPR insulation
						A-3013-1	1-3/C + gnd #2, 600 V, EPR insulation
						S-3022-1	1-3/C + gnd #2, 600 V, EPR insulation
						A-3002-1	1-3/C + gnd #4, 600 V, EPR insulation
						UP107-6	1-2/C + gnd #8, 600 V, EPR insulation

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-406

DESIGN OVERSIGHT	CALCULATED/ DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
BEHZAD GOLEMOHAMMADI	PBP	AB	DATE 8/02	8/02

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 3/31/2009
TIME PLOTTED => 2:33:55 PM