DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	371 R2	1204

Jens Erlingsson 12/19/02
REGISTERED ELECTRICAL ENGINEER 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

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
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_____

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
2760	E-135	41	RGS conduit	440.31	534.55	A-3031-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						UP205-6	1-2/C + gnd #8, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
2761	E-135	41	RGS conduit	425.70	534.55	LP219-2,4A	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
						A-3031-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2762	E-135	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3031-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2763	E-135	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3031-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2764	E-135	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3031-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2765	E-135	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3031-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2766	E-136	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3031-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2767	E-136	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2768	E-136	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3032-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2769	E-136	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3032-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2770	E-136	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3032-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2771	E-136	41	RGS conduit	212.85	534.55	A-3032-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
2772	E-136	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3032-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2773	E-136	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3033-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2774	E-136	53	RGS conduit	537.14	681.55	Pull rope	Soft-Fiber Polyester
						A-3040-3	1-3/C + gnd #6, 600 V, EPR insulation
						A-3033-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2775	E-136	53	RGS conduit	537.14	681.55	A-3033-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						A-3040-3	1-3/C + gnd #6, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
2776	E-136	41	RGS conduit	212.85	534.55	A-3033-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
2777	E-136	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3033-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2778	E-137	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3033-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2779	E-137	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2780	E-137	41	RGS conduit	425.70	534.55	LP221-2,4A	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						A-3034-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
2781	E-137	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3034-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2782	E-137	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3034-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2783	E-137	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3034-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2784	E-137	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3034-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2785	E-137	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
2786	E-137	41	RGS conduit	212.85	534.55	A-3035-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
2787	E-137	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3035-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2788	E-137	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3035-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2789	E-138	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3035-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2790	E-138	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3035-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2791	E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2792	E-138	41	RGS conduit	212.85	534.55	A-3036-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
2793	E-138	41	RGS conduit	212.85	534.55	A-3036-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
2794	E-138	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3036-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2795	E-138	41	RGS conduit	425.70	534.55	Pull rope	Soft-Fiber Polyester
						A-3036-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						LP222-2,4A	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2796	E-138	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3036-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2797	E-138	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3036-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2798	E-138	41	RGS conduit	212.85	534.55	A-3036-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
2799	E-138	41	RGS conduit	212.85	534.55	A-3036-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
2857	E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester 2
2858	E-135	41	RGS conduit, PVC Coated	0.00	534.55	Pull rope	Soft-Fiber Polyester
2859	E-135	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-2011-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2860	E-135	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2861	E-135	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						LP219-6,8A	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-416

REVISED BY	DATE REVISED
PBP	8/02

CALCULATED/DESIGNED BY	CHECKED BY
DESIGN OVERSIGHT	BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 5/22/2008
TIME PLOTTED => 11:12:00 AM