DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	379R1	1204

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
1	02/19/08	ELECTRICAL MODIFICATIONS	MP EL	RR	42

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET _____ OF _____

REGISTERED PROFESSIONAL ENGINEER MANNELL FUMIO TAKAKI NO. E 8651 Exp. 9/30/2008 ELECTRICAL STATE OF CALIFORNIA

FOR REVISION ONLY

Caltrans Metric

Jens Erlingsson 12/19/02
REGISTERED ELECTRICAL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER JENS ERLINGSSON NO. 8249 Exp. 9/30/06 ELECTRICAL STATE OF CALIFORNIA

12-6-04
PLANS APPROVAL DATE

PB POWER, Inc.
A Parsons Brinckerhoff Company
303 Second St., Suite 700N
San Francisco, CA 94107-1317

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CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
3163	E-229	40	Flexible nonmetallic conduit	425.70	511.11	Pull rope	Soft-Fiber Polyester
						A-3013-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						A-3012-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
3164	E-228, E-229	40	Flexible nonmetallic conduit	425.70	511.11	A-3012-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						A-3013-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
3165	E-228	40	Flexible nonmetallic conduit	425.70	511.11	A-3013-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
						A-3012-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
3166	E-228	40	Flexible nonmetallic conduit	425.70	511.11	A-3013-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
						A-3012-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
3167	E-228	40	Flexible nonmetallic conduit	425.70	511.11	Pull rope	Soft-Fiber Polyester
						A-3012-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						A-3013-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
3168	E-228	40	Flexible nonmetallic conduit	212.85	511.11	A-3012-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
3169	E-228	40	Flexible nonmetallic conduit	212.85	511.11	Pull rope	Soft-Fiber Polyester
						A-3012-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
3170	E-228	40	Flexible nonmetallic conduit	212.85	511.11	Pull rope	Soft-Fiber Polyester
						A-3012-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
3171	E-228	40	Flexible nonmetallic conduit	212.85	511.11	A-3012-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
3172	E-228	40	Flexible nonmetallic conduit	212.85	511.11	A-3012-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
3173	E-228	40	Flexible nonmetallic conduit	212.85	511.11	Pull rope	Soft-Fiber Polyester
						A-3012-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
3174	E-228	40	Flexible nonmetallic conduit	212.85	511.11	A-3012-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
3175	E-227, E-228	40	Flexible nonmetallic conduit	212.85	511.11	Pull rope	Soft-Fiber Polyester
						A-3012-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
3176	E-227	40	Flexible nonmetallic conduit	212.85	511.11	Pull rope	Soft-Fiber Polyester
						A-3012-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
3177	E-264, E-264A,	78	RGS-PVC coated conduit	1043.76	1935.24	2119-B	3+1 gnd, #250 kcmil, #1/0, 600 V, EPR insulation
3177C	E-265	78	RGS-PVC coated conduit	1043.76	1935.24	2119-B	3+1 gnd, #250 kcmil, #1/0, 600 V, EPR insulation
3201	E-226	40	Flexible nonmetallic conduit	264.63	511.11	Pull rope	Soft-Fiber Polyester
						S-3056-12	2-1/C #14, 600 V, RHH/RHW insulation
						S-3051-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						S-3056-13	2-1/C #14, 600 V, RHH/RHW insulation
3202	E-226	40	Flexible nonmetallic conduit	264.63	511.11	S-3056-12	2-1/C #14, 600 V, RHH/RHW insulation
						S-3056-13	2-1/C #14, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
						S-3051-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
3203	E-226	40	Flexible nonmetallic conduit	264.63	511.11	S-3056-13	2-1/C #14, 600 V, RHH/RHW insulation
						S-3051-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						S-3056-12	2-1/C #14, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
3204	E-226, E-227	40	Flexible nonmetallic conduit	451.59	511.11	S-3051-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
						S-3056-12	2-1/C #14, 600 V, RHH/RHW insulation
						S-3056-3	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
3205	E-227	40	Flexible nonmetallic conduit	451.59	511.11	S-3056-12	2-1/C #14, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
						S-3056-3	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						S-3051-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
3206	E-227	40	Flexible nonmetallic conduit	425.70	511.11	Pull rope	Soft-Fiber Polyester
						S-3056-3	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						S-3051-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
3207	E-181, E-135	41	RGS-PVC coated conduit	264.63	534.55	S-3051-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
						S-3056-13	2-1/C #14, 600 V, RHH/RHW insulation
						S-3056-12	2-1/C #14, 600 V, RHH/RHW insulation
3208	E-181	41	RGS-PVC coated conduit	464.20	534.55	S-3051-1	1-3/C + gnd #4 ,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						S-3056-6	1-4/C #14,600 V, EPR insulation
3209	E-181	41	RGS-PVC coated conduit	527.18	534.55	Pull rope	Soft-Fiber Polyester
						A-3041-1	1-3/C + gnd #2,600 V, EPR insulation
3210	E-181, E-135	41	RGS-PVC coated conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3041-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
3211	E-226	41	RGS-PVC coated conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3041-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
3212	E-226	40	Flexible nonmetallic conduit	212.85	511.11	A-3041-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
3213	E-226	40	Flexible nonmetallic conduit	212.85	511.11	A-3041-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
3214	E-226	40	Flexible nonmetallic conduit	212.85	511.11	A-3041-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
3215	E-226	40	Flexible nonmetallic conduit	212.85	511.11	A-3041-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
3216	E-226	40	Flexible nonmetallic conduit	212.85	511.11	A-3041-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
3217	E-226	40	Flexible nonmetallic conduit	212.85	511.11	A-3041-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
3218	E-226,E-227	40	Flexible nonmetallic conduit	212.85	511.11	A-3041-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
3219	E-227	40	Flexible nonmetallic conduit	212.85	511.11	Pull rope	Soft-Fiber Polyester
						A-3041-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
3220	E-227	40	Flexible nonmetallic conduit	212.85	511.11	A-3041-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
3221	E-227	40	Flexible nonmetallic conduit	212.85	511.11	A-3041-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-424

REVISED BY	DATE REVISED
PBP	8/02

CALCULATED/DESIGNED BY	CHECKED BY
AB	

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 4/4/2008
TIME PLOTTED => 5:06:06 PM