DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	384 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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REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
2	12/02/09	TOWER UTILITY PANELS	JS TW	RG FW	70
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 FADI WALIEDDINE No. 11465 Exp. 12/31/2009 ELECTRICAL STATE OF CALIFORNIA

FOR REVISION ONLY 2

CONDUIT DATA

Conduit No.	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
3367	E-285B	53	RGS conduit	572	879.42	Pull Rope	Soft-Fiber Polyester
						UP210-1A-9 & 10	1-4C#8 + gnd, 600V, EPR insulation
						UP210-1A-11 & 12	1-4C#8 + gnd, 600V, EPR insulation
3368	E-285B	53	RGS-PVC coated conduit	572	879.42	Pull Rope	Soft-Fiber Polyester
						UP210-1A-9 & 10	1-4C#8 + gnd, 600V, EPR insulation
						UP210-1A-11 & 12	1-4C#8 + gnd, 600V, EPR insulation
3369	E-285B	78	RGS conduit	1063.22	1935.24	Pull Rope	Soft-Fiber Polyester
						UP210-1A-9 & 10	1-4C#8 + gnd, 600V, EPR insulation
						UP210-1A-11 & 12	1-4C#8 + gnd, 600V, EPR insulation
						UP210-1A-5	1-2C#12 + gnd, 600V, EPR insulation
						UP210-1B-5	1-2C#12 + gnd, 600V, EPR insulation
						UP210-1A-1 & 6	1-4C#8 + gnd, 600V, EPR insulation
3375	E-32, E-278, E-264C	53	RGS-PVC coated conduit	754.18	879.42	2123	1-3C#1/0 + gnd, 600V,EPR insulation
3376	E-32, E-278, E-264C	53	Liquidtight flex metal conduit	754.18	837.71	Pull Rope	Soft-Fiber Polyester
						2123-A	1-3C#1/0 + gnd, 600v, EPR Insulation
3377	E-32, E-278, E-264C	53	Liquidtight flex metal conduit	758.77	837.71	Pull Rope	Soft-Fiber Polyester
						2123-B	1-4C#1/0 + gnd, 600V, EPR Insulation
3378	E-264C, E-278	78	RGS-PVC coated conduit	1137.35	1935.24	UP210-21	1-2C#8 + gnd, 600V, EPR insulation
						UP210-22	1-2C#8 + gnd, 600V, EPR insulation
						UP210-23	1-2C#8 + gnd, 600V, EPR insulation
						UP210-24	1-2C#8 + gnd, 600V, EPR insulation
						UP210-26	1-2C#8 + gnd, 600V, EPR insulation
3379	E-264C, E-278	78	RGS-PVC coated conduit	1784.34	1935.24	UP210-9	1-2C#8 + gnd, 600V, EPR insulation
						UP210-5 & 7	1-4C#8 + gnd, 600V, EPR insulation
						UP210-15 & 19	1-4C#8 + gnd, 600V, EPR insulation
						UP210-16 & 20	1-4C#8 + gnd, 600V, EPR insulation
						UP210-13 & 17	1-4C#8 + gnd, 600V, EPR insulation
						UP210-14 & 18	1-4C#8 + gnd, 600V, EPR insulation
3380	E-264C, E-278	78	RGS-PVC coated conduit	1200.19	1935.24	UP210-2 & 4	1-4C#6 + gnd, 600V, EPR insulation
						UP210-6 & 8	1-4C#6 + gnd, 600V, EPR insulation
						UP210-10	1-2C#12 + gnd, 600V, EPR insulation
						UP210-11	1-2C#12 + gnd, 600V, EPR insulation
						UP210-3	1-2C#8 + gnd, 600V, EPR insulation
						UP210-12	1-2C#12 + gnd, 600V, EPR insulation
3381	E-285B	53	RGS-PVC coated conduit	572	879.42	Pull Rope	Soft-Fiber Polyester
						UP210-1B-9 &10	1-4C#8 + gnd 600V, EPR insulation
						UP210-1B-11&12	1-4C#8 + gnd 600V, EPR insulation
3382	E-285B	53	RGS conduit	858	879.42	Pull Rope	Soft-Fiber Polyester
						UP210-1B-9 &10	1-4C#8 + gnd 600V, EPR insulation 2
						UP210-1B-11&12	1-4C#8 + gnd 600V, EPR insulation
						UP210-1B-13&14	1-4C#8 + gnd 600V, EPR insulation
3383	E-285B	53	RGS conduit	572	879.42	Pull Rope	Soft-Fiber Polyester
						UP210-1B-9 &10	1-4C#8 + gnd 600V, EPR insulation
						UP210-1B-11&12	1-4C#8 + gnd 600V, EPR insulation

CONDUIT DATA

Conduit No.	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
3393	E-287 2	53	RGS-PVC coated conduit	754.18	1165.23	2121	1-3/C + gnd #1/0, 600 V, EPR insulation
3394	E-287	27	RGS-PVC coated conduit	126.88	229.03	2121-A	1-3/C + gnd #10, 600 V, EPR insulation
3395	E-287	41	RGS-PVC coated conduit	147.25	534.55	2121-1	1-3/C #14, 600 V, EPR insulation
						2121-2	1-3/C #16, 600 V, EPR insulation
3398	E-265	53	RGS-PVC coated conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
3399	E-287	41	RGS-PVC coated conduit	147.25 2	534.55	2120-1	1-3/C #14, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						2120-2	1-3/C #16, 600 V, EPR insulation 2
3448A	E-286	53	RGS-PVC coated conduit 2	286	879.42	Pull rope	Soft-Fiber Polyester
						UP210-1B-15&16	1-4C#8 + gnd, 600V, EPR insulation

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-429

REVISED BY	DATE REVISED	
PBP	DATE 8/02	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 => 12/10/2009
TIME PLOTTED => 4:07:44 PM

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

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