DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	383 R5	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

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
5	09/02/11	TOWER SUSPENDER CABLE & ELEVATOR	TW	RM	203S1
4	07/01/11	TOS MODIFICATIONS	RR	RG	81
3	03/26/10	DEHUMIDIFIER SCADA INTERFACE	TW	RG SYC	130
2	09/18/09	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 SYN YEE CHIN No. 18186 Exp. 09/30/2011 ELECTRICAL STATE OF CALIFORNIA
Syn Yee Chin
FOR REVISION ONLY 3 4 5

REGISTERED PROFESSIONAL ENGINEER FADI WALIEDDINE No. 11465 Exp. 12/31/2009 ELECTRICAL STATE OF CALIFORNIA
FOR REVISION ONLY 2

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

CONDUIT DATA

Conduit No.	Reference	Size	Type	Total Fill (mm2)	Allowable Fill (mm2)	Included Cable No.	Conductor Type
3339	E-264, E-264A	53	RGS-PVC coated conduit	754.18	879.42	2125	1-3/C +gnd #1/0, 600 V,EPR insulation
3340	E-286	27	RGS-PVC coated conduit		229.03	Pull rope	Soft-Fiber Polyester
3341	E-286	27	RGS-PVC coated conduit		229.03	Pull rope	Soft-Fiber Polyester
3342	E-286	27	RGS-PVC coated conduit		229.03	Pull rope	Soft-Fiber Polyester
3343	E-286	27	RGS-PVC coated conduit		229.03	Pull rope	Soft-Fiber Polyester
3344	E-286	41	RGS-PVC coated conduit		534.55	Pull rope	Soft-Fiber Polyester
3345	E-286	27	RGS-PVC coated conduit		229.03	Pull rope	Soft-Fiber Polyester
3346	E-286	27	RGS-PVC coated conduit		229.03	Pull rope	Soft-Fiber Polyester
3347	E-286	27	RGS-PVC coated conduit		229.03	Pull rope	Soft-Fiber Polyester
3348	E-264A, E-281	41	RGS-PVC coated conduit	300.88	534.55	MVDSE02A	MVDS DLC
						MVDSW03A	MVDS DLC
3348C	E-345, E-281	27	RGS-PVC coated conduit	150.44	229.03	MVDSE02A	MVDS DLC
3348D	E-345, E-281	27	RGS-PVC coated conduit	150.44	229.03	MVDSW03A	MVDS DLC
3349	E-264A, E-281	41	RGS-PVC coated conduit	176.6	534.55	CCTVE01B	HCC
						2120-1	1-2PR #18 Twisted Shielded w/ overall shield
3349C	E-281	41	RGS-PVC coated conduit	78.5	534.55	CCTVE01B	HCC
3350	E-286	27	RGS-PVC coated conduit		229.03	Pull rope	Soft-Fiber Polyester
3351A	E-264	53	RGS-PVC coated conduit	527.18	879.42	Pull rope	Soft-Fiber Polyester
						2123-3	1-3C#2 + gnd, 600 V, EPR insulation
3352	E-286	27	RGS-PVC coated conduit		229.03	Pull rope	Soft-Fiber Polyester
3353	E285B	53	RGS-PVC coated conduit	306.56	879.42	Pull Rope	Soft-Fiber Polyester
						UP210-1B-13 & 14	4-#10+gnd, 600V, RHH/RHW insulation
						UP210-1B-5	1-2C#12 + gnd, 600V, EPR insulation
						UP210-1A-5	1-2C#12 + gnd, 600V, EPR insulation
3354	E285B	53	RGS conduit	491.22	879.42	Pull Rope	Soft-Fiber Polyester
						UP210-1B-5	1-2C#12 + gnd, 600V, EPR insulation
						UP210-1A-5	1-2C#12 + gnd, 600V, EPR insulation
						UP210-1B-1 & 6	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
3355	E-286	41	RGS-PVC coated conduit	0.00	534.55	Pull Rope	Soft-Fiber Polyester
3355A	E-286	53	RGS-PVC coated conduit	0.00	879.42	Pull Rope	Soft-Fiber Polyester
3356	E-286	53	RGS-PVC coated conduit	0.00	879.42	Pull Rope	Soft-Fiber Polyester
3357	E-286	27	RGS-PVC coated conduit	0.00	229.03	Pull rope	Soft-Fiber Polyester
3358	E-286	27	RGS-PVC coated conduit	0.00	229.03	Pull rope	
3359	E-264A,E-281	41	RGS-PVC coated conduit	78.5	534.55	CCTVE01A	HCC
3359C	E-281	41	RGS-PVC coated conduit	78.5	534.55	CCTVE01A	HCC
3364	E-285B	53	RGS-PVC coated conduit	205.22	879.42	Pull Rope	Soft-Fiber Polyester
						UP210-1A-5	1-2C#12 + gnd, 600V, EPR insulation
						UP210-1B-5	1-2C#12 + gnd, 600V, EPR insulation

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-428

DATE	REVISED BY	DATE	REVISED
PBP	AB	8/02	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 => 9/2/2011 TIME PLOTTED => 10:01:32 AM

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