DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	142 R7	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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PULL BOXES

Location	Type	Pull Box Size	Enclosure Type	Nameplate Pull Box Cover	Remarks
Roadway Barrier	PB-Com			Low Voltage - Call Box	Caltrans standard ES-9C (PB-9A)
Roadway Barrier	PB-Ltg			600 V - Electrical	Caltrans standard ES-9C (PB-9)
Roadway and miscellaneous	PB-1B	304 L x 254 W x 127 D	NEMA 4X	600 V - Electrical	Located at main suspender cable
Roadway and miscellaneous	PB-1C	152 L x 152 W x 102 D	NEMA 4X	600 V - Electrical	Located at suspender brackets
Roadway	PB-1F	304 L x 304 W x 152 D	NEMA 4X	600 V - Electrical	Located at main suspender cable
Inside Girder Box	PB-2A	406 L x 254 W x 152 D	NEMA 12	600 V - Electrical	
Service Platform	PB-2B	762 L x 508 W x 203 D	NEMA 4X	600 V - Electrical	
Inside Girder Box	PB-2C	915 L x 610 W x 610 D	NEMA 12	600 V - Electrical	Electrical vault-embedded in conc. deck
Inside Girder Box	PB-2P	1067 L x 915 W x 305 D	NEMA 12	600 V - Electrical	Electrical vault-surface/pendant mounted
Inside Girder Box	PB-2L	152 L x 152 W x 102 D	NEMA 12	600 V - Electrical	For future light pipe and inside Piers E6W, E7W, and E8W.

PULL BOXES

Location	Type	Pull Box Size	Enclosure Type	Nameplate Pull Box Cover	Remarks
"E" Line Girder access Platform 7	PB-2D	457 L x 457 W x 203 D 7	NEMA 4X	600 V - Electrical	For Base Tower power and lighting 7
Inside Dehumidification #2,#3,#4 Area	PB-2E	457 L x 305 W x 152 D	NEMA 12	600 V - Electrical	For Dehumidifications #2,#3,#4 power
Tower Base-Elevator Enclosure Tower Base Lighting EL.3.0 m, 9.0 m	PB-2F	203 L x 203 W x 102 D	NEMA 12	600 V - Electrical	For Elevator pit motor power For Lighting at EL. 3.0 m, EL. 9.0 m
Tower Walkway Platform, EL. 93.35 m	PB-2H	457 L x 457 W x 203 D	NEMA 4X	600 V - Electrical	For Power and Lighting
Elevator Enclosure-EL. 93.35 m	PB-2J	203 L x 203 W x 102 D	NEMA 4X	600 V - Electrical	For Power and Lighting
"E" Line Girder access Platform	PB-2K	305 L x 305 W x 152 D	NEMA 4X	600 V - Electrical	For Base Tower power and lighting
Tower Walkway Platform, EL. 53.0 m EL. 89.85 m, EL.127 m, EL. 139.85 m, EL. 156.75 m	PB-2R	203 L x 203 W x 102 D	NEMA 4X	600 V - Electrical	For Power - Booster Pump P1 at EL. 53.00 m & For Lighting at EL. 89.85 m, EL. 127.00 m, EL. 139.85 m, EL. 156.75 m
Tower Head Elev 158.00 m	PB-2S	762 L x 610 W x 305 D	NEMA 4X	600 V - Electrical	For Dehumidifier Unit #5 Power and Communications
Tower Elevation 53.85 m	PB-4E	914 L x 762 W x 406 D	NEMA 4X	600 V - Electrical	For Tower Power
Tower Shaft Lighting	PB-4H	305 L x 305 W x 152 D	NEMA 12	600 V - Electrical	For Tower shaft Ladder Lighting
Tower Shaft Lighting	PB-4J	406 L x 305 W x 152 D	NEMA 12	600 V - Electrical	For Tower shaft Ladder Lighting
7 Tower Shaft Lighting	PB-4K	508 L x 406 W x 152 D	NEMA 12	600 V - Electrical	For Tower shaft Ladder Lighting
7 Inside Dehumidification #2,#3,#4 Area	PB-2T	203 L x 203 W x 102 D	NEMA 12	TOS-COM	For Dehumidifications #2, #3, #4 TOS/Comm

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SPLICE BOXES

Location	Type	Splice Box Size	Enclosure Type	Nameplate Splice Box Cover	Remarks
Inside Girder Box and Tower EL 63.0	PB-3A	1830 L x 915 W x 305 D	NEMA 12	Danger - High Voltage - Keep Out	
Inside Girder Box	PB-3B	813 L x 203 diameter	Cylindrical Housing	Fiber Optic	72 fibers to 12 fibers
Inside Girder Box	PB-3C	813 L x 203 diameter	Cylindrical Housing	Fiber Optic	72 fibers to 72 fibers

PANEL ENCLOSURES 1

Location	Type	Cabinet/Terminal Box Size	Enclosure Type	Nameplate Cabinet/Terminal Cover	Remarks
Service Platform	PB-6C	See Panel Layout	NEMA 4X	See Panel Layout on E-305	For Navigation Relay Cabinet
Service Platform	PB-7B	See Panel Layout	NEMA 4X	See Panel Layout on E-321	For Scada Communication Terminal Box
Service Platform	PB-7C	762 H x 508 W x 203 D	NEMA 4X	Caltrans Telephone	Enclosure only - For Telephone Terminal Box
Inside Girder Box	PB-7D	508 H x 406 W x 203 D	NEMA 4X	Caltrans Telephone	Enclosure only - For Telephone Terminal Box

SAS SUPERSTRUCTURE WB

Location	Type	Pull Box Size	Enclosure Type	Nameplate Pull Box Cover	Remarks
Inside Light Pole	PB-2N	152 L x 152 W x 102 D	NEMA 12	TOS-MVDS	Cable Termination
Tower Platform	PB-2M	305 L x 305 W x 152 D	NEMA 12	TOS-MVDS	Cable Termination
7 Inside Dehumidification #1 Area	PB-TOS	203 L x 203 W x 102 D	NEMA 4X	TOS-COM	Dehumidification Unit #1
Inside Dehumidification #1 Area	PB-2V	457 L x 305 W x 152 D	NEMA 4X	600 V - Electrical	Dehumidification Unit #1

SHEET NOTES:

1. Panel enclosures shall be provided with padlock provisions.
2. See sheets E-284 and E-284A for locations of pull boxes.

REGISTERED PROFESSIONAL ENGINEER SYN YEE CHIN No. 18186 Exp. 09/30/2011 ELECTRICAL STATE OF CALIFORNIA

Syn Yee Chin
FOR REVISION ONLY
5 6 7

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 3 4

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
7	03/26/10	DEHUMIDIFIER SCADA INTERFACE	RR	RG FW	130
6	02/26/10	TOWER BASE MEP	RR	RG FW	79
5	02/24/10	TOWER UTILITY PANELS	SYC RB	RG FW	70
4	08/03/09	ELECTRICAL WARNING SYSTEMS	RG	FW	61
3	03/30/09	SERVICE PLATFORM ELECTRICAL CHANGES	RR	RG FW	55
2	09/24/08	CABLE ELECTRICAL	RY AG	RG FW	72
1	02/19/08	ELECTRICAL MODIFICATIONS	MP EL	RR	42

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET _____ OF _____

DETAILS
SAS SUPERSTRUCTURE ROADWAY WESTBOUND PULLBOX SCHEDULES

E-83

CALCULATED/ DESIGNED BY	FK	DATE 10/01	REVISED BY
CHECKED BY	BL	11/01	DATE REVISED

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 4/26/2010
TIME PLOTTED => 1:22:08 PM