DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	104 R1	1204

Caltrans Metric

REGISTERED ELECTRICAL ENGINEER 12/19/02 DATE

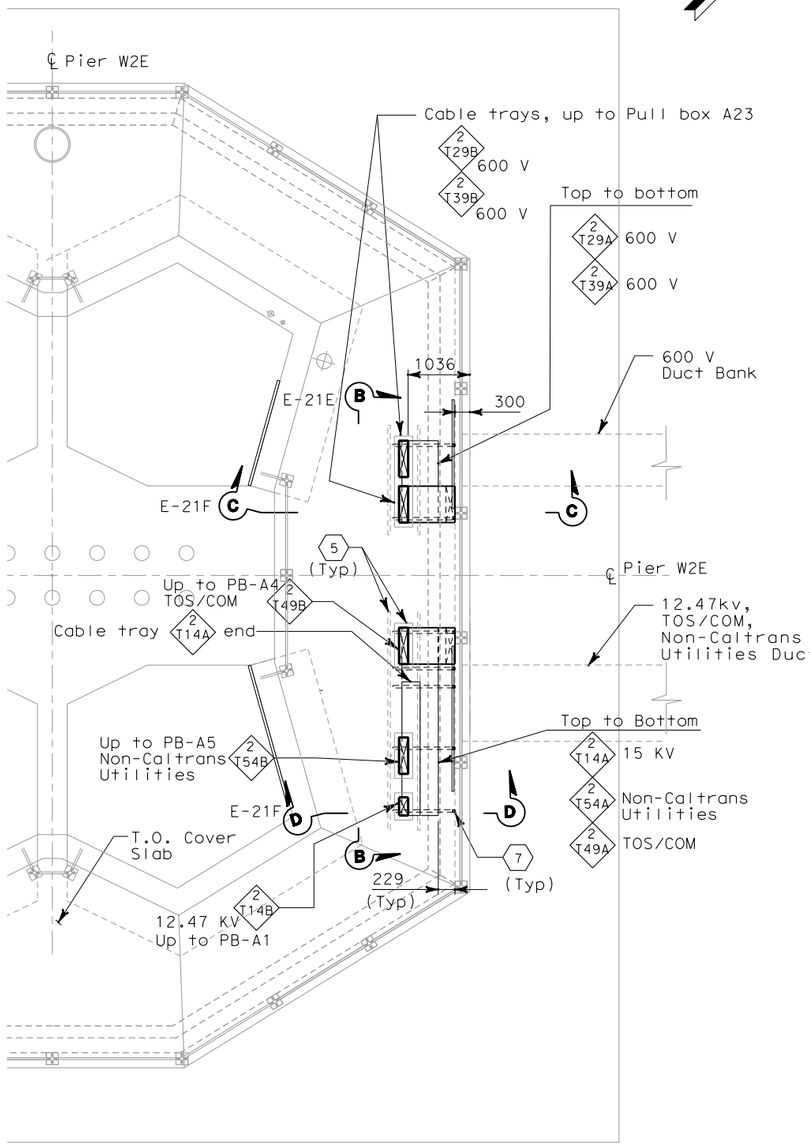
12-6-04
PLANS APPROVAL DATE

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

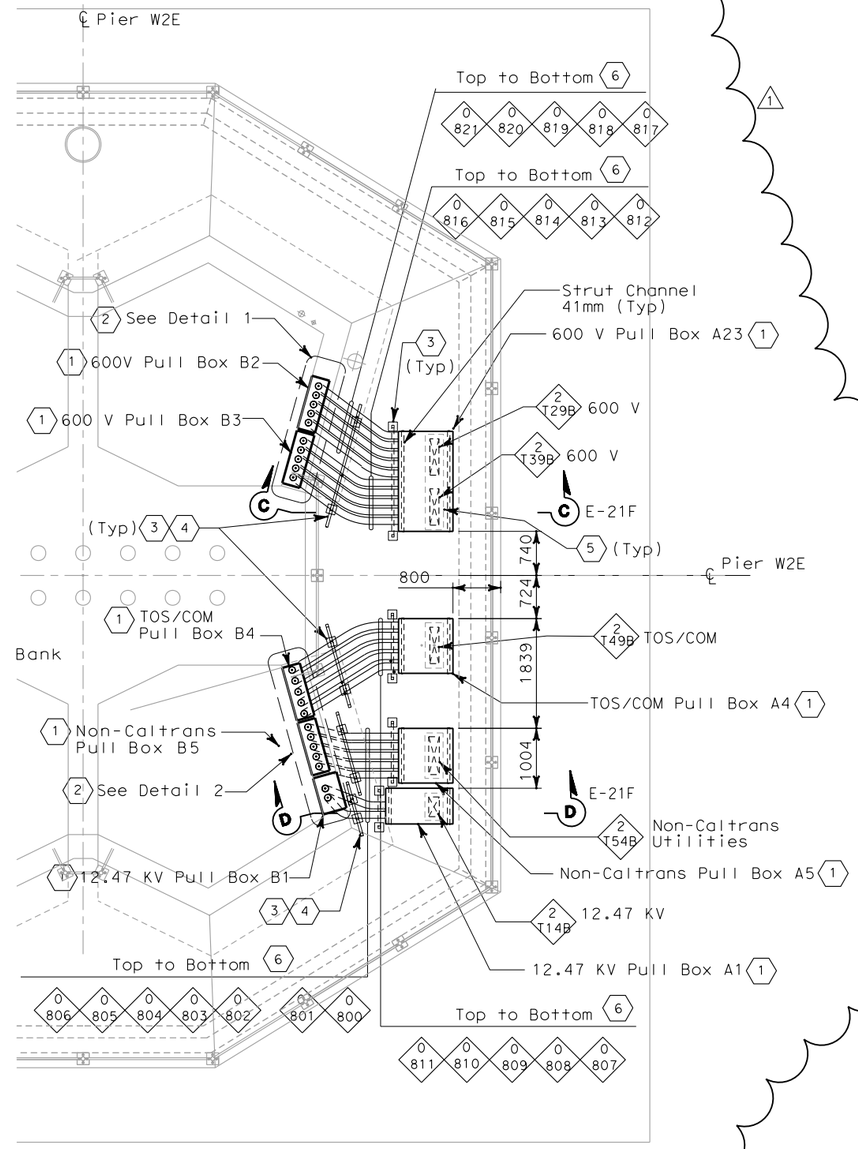
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

Caltrans now has a web site! To get to the web site, go to http://www.dot.ca.gov



PLAN AT BELOW COVER PIER W2E

SCALE: 1:20



PLAN AT GRADE PIER W2E

SCALE: 1:20

NOTES:

1. References:
   - For duct banks and manholes, see sheet E-11.
   - For duct bank sections, see sheet E-19.
   - For circuit and conduit/cable tray schedules, see sheets starting at E-401.
   - For grounding interface, see sheet E-18.
   - For foundation grounding, see sheet E-22.
   - For SAS Superstructure girder eastbound grounding plan, see sheets E-196 and E-18.
   - For duct banks elevations at W2E, see sheet E-23.

SHEET NOTES:

1. For pull box sizes, opening and type see sheet E-21C.
2. For Details 1 and 2, see sheet E-21B.
3. For conduit support details, see E-21D.
4. Do not secure liquidtight metal flexible conduit at this support location.
5. For embed strut channel and cable tray opening location at pier W2 cover slab see E-21E.
6. Length of flexible conduits shall be provided for seismic movement. The maximum expansion displacement is 400 mm.
7. Cable tray support bracket, see Detail 1, Sheet E-21F.

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#
1	02/25/08	CABLE TRAY CHANGES	TW	RG SE	42S1

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET _____ OF _____

DETAILS
UNDERGROUND
PIER W2E PLANS AND SECTIONS

SCALE AS NOTED

E-21

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: BEHZAD GOLEMOHAMMADI
CALCULATED/DESIGNED BY: FK DATE 07/07 REVISED BY
CHECKED BY: IAH 07/07 DATE REVISED

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

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

DGN FILE =>T:\13103\MS\pse\SAS Struc\CCO\SAS CCO42S1\04-0120f1_0104R01.dgn
USERNAME =>llorico

CU 04251

EA 0120F1

LAST REVISION 00-00-00
DATE PLOTTED => 7/11/2008
TIME PLOTTED => 2:05:47 PM