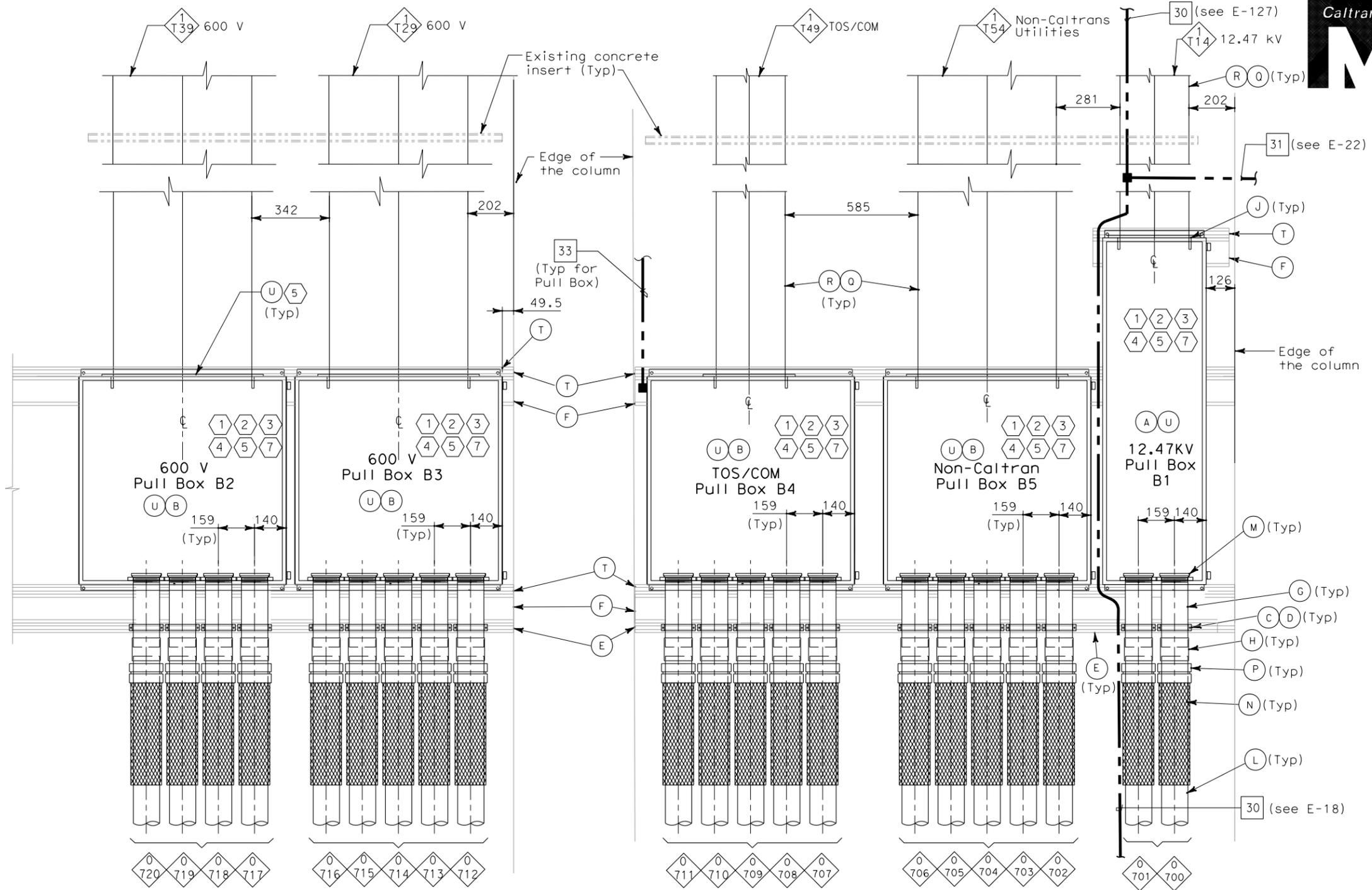


DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9		103 S2	1204

REGISTERED ELECTRICAL ENGINEER
 DATE 2/22/08
 No. E-10151
 Exp. 12/31/2008
 STATE OF CALIFORNIA

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

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MATERIAL LIST	
Item No.	Description
A	Pull Box, Nema 4X 1524 mm x 457 mm x 305 mm
B	Pull Box 914 mm x 914 mm x 305 mm
C	Strut channel spring nut, lockwasher and hex bolt (41 mm)
D	Strut channel conduit clamp for 103 mm
E	Strut channel 41 mm x 124 mm
F	Channel C130x10
G	Conduit nipple, 305 mm long
H	Conduit coupling, 103 mm
J	Tray to box connector
K	Not used
L	Liquidtight metal flexible conduit, 103 mm
M	Insulated ground bushing for 103 mm conduit
N	Strain relief grips for flexible conduit, 103 mm
P	Connector, straight liquidtight flexible metal conduit for 103 mm
Q	Cable tray, ladder type
R	Cable tray peaked cover and cover clamp
T	Strut channel 41 mm x 41 mm
U	Breather and Drain Hole

DETAIL 1
NO SCALE

DETAIL 2
NO SCALE

- SHEET NOTES:**
- For Pull Boxes location see E-20.
 - For Pull Box sizes and opening see E-20C.
 - For Pull Box mounting and support see E-20A.
 - Contractor shall verify all the dimensions prior to start the work.
 - To prevent moisture and water from entering the top of each pull box, Contractor to provide a moisture barrier at end cable tray and water tight seal at pull box after cables are pulled.
 - Detail 1 & Detail 2 see sheet E-20.

- All liquidtight flexible metallic conduit shall have integral continuous copper ground whether shown on the drawings or not. Bond conduit bushings together and to the metallic enclosures.

NOTE:

- All cable/cables entering the liquidtight conduits from the pull box shall be provided with strain relief cable/cables grips attached from the vertical cable tray rungs.

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE			
MARK	DATE	DESCRIPTIONS	BY
△	02/25/08	CABLE TRAY CHANGES	TW RG SE 42S1
REVISIONS			

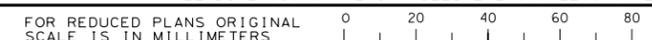
CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

DETAILS UNDERGROUND PIER W2W PLANS AND SECTIONS
SCALE AS NOTED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN OVERSIGHT
 BEHZAD GOLEHAMMADI
 Caltrans

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.



DGN FILE => T:\13103\MS\pse\SAS Struc\CCO\SAS CC04251\04-0120F1_0103502.dgn
 USERNAME => kurnovskaya
 CU 04251

EA 0120F1

DATE PLOTTED => 2/26/2008
 TIME PLOTTED => 1:11:46 PM
 LAST REVISION 00-00-00