

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN OVERSIGHT
 BEHZAD GOLEMOHAMMADI
 CALCULATED BY
 DESIGNED BY
 CHECKED BY
 REVISIONS
 DATE
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 DATE REVISED

DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9		105 S1R1	1204

8/11/08
 REGISTERED ELECTRICAL ENGINEER DATE

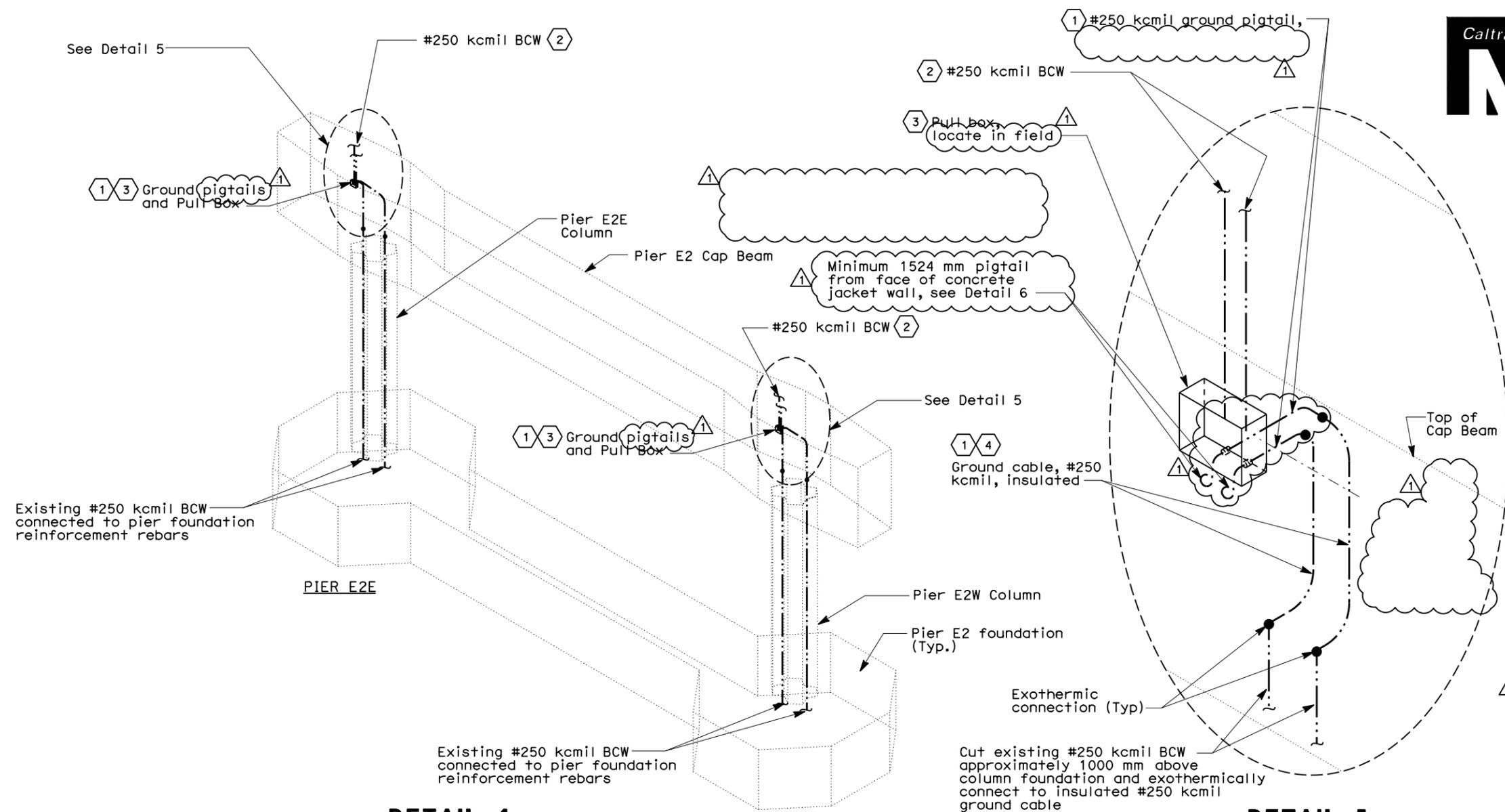
REGISTERED PROFESSIONAL ENGINEER
 FADI WALIEDDINE
 No. 11465
 Exp. 12/31/2009
 ELECTRICAL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

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

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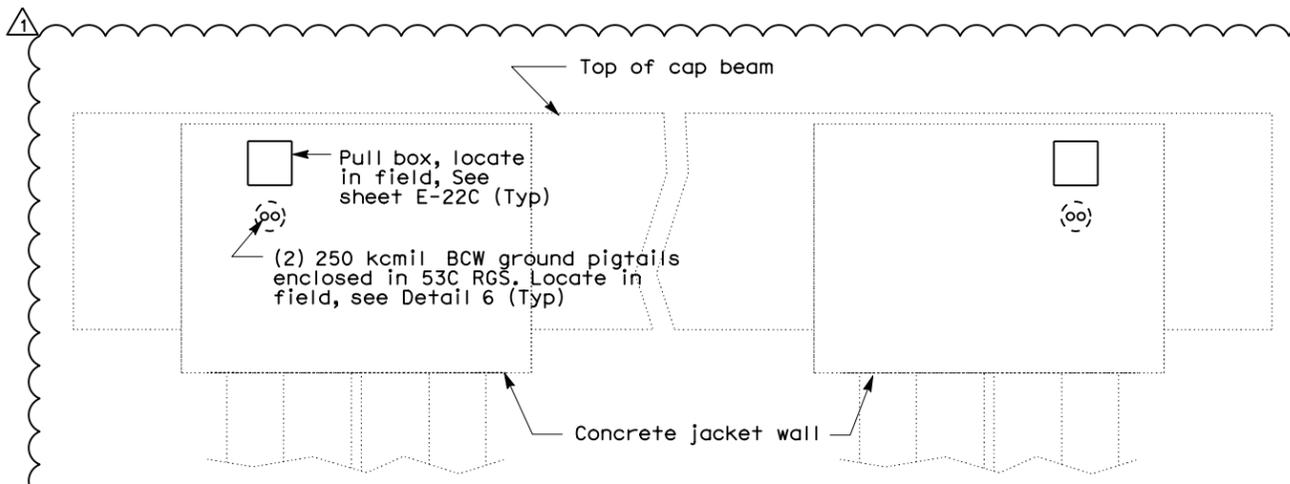
Caltrans now has a web site! To get to the web site, go to <http://www.dot.ca.gov>



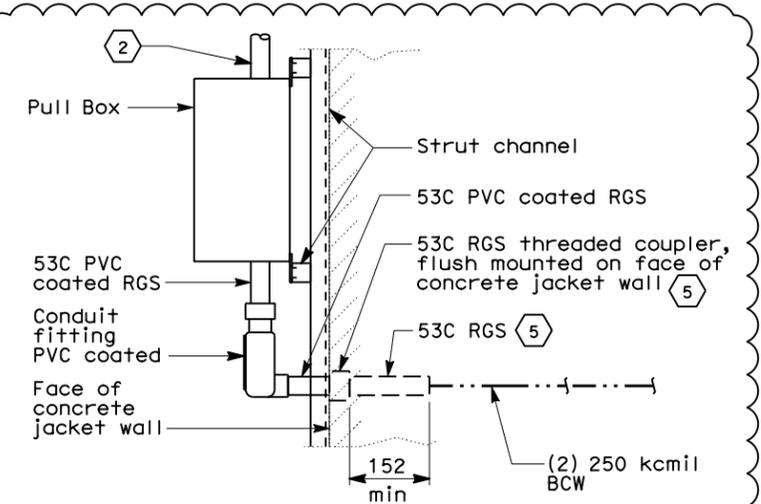
- NOTES:**
- 1 Cut-off existing ground plates and exothermically connect #250 kcmil BCW pigtail cables (2 per column) to the existing #250 kcmil BCW that are stub-up above the pier column. Route the ground cable within the cap beam avoiding any interference with E2 shear key saddle assembly or PT ducts. Secure cable to inside of vertical rebar cage. Contractor to verify ground cable length to suit field condition.
 - 2 Enclose the #250 kcmil BCW in liquidtight flexible metal conduit when routing up to OBG for connection to #500 kcmil main ground conductor. Typical for Westbound and Eastbound, see sheets E-111 and E-196 respectively.
 - 3 Pull box shall be 305 x 305 x 154 stainless steel NEMA 4X enclosure, Hoffman #A-1212CHNFSS6 or equal. Box shall be mounted to face of concrete jacket wall. Place Neoprene gasket between box and concrete face to inhibit moisture encrosion.
 - 4 Seal exposed bare copper wire (BCW) and exothermic connections with heavy duty splicing tape and vinyl electrical tape.
 - 5 Conduit and threaded coupler shall be located to avoid any interference with PT ducts, jacket wall reinforcement or other embedded structural elements.

DETAIL 4
 Concrete jacket wall around cap beam not shown for clarity

DETAIL 5
 Concrete jacket wall around cap beam not shown for clarity



PIER E2 CAP BEAM - EAST FACE



DETAIL 6



FOR REVISION ONLY

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	RR	RG	FW	CCO#
1	10/23/13	ADDITIONAL SAS MISCELLANEOUS ELECTRICAL CHANGES	RR RSB	RG		191S2
0	11/20/09	ELECTRICAL GROUNDING	RR AWG	RG FW		75

CONTRACT CHANGE ORDER NO. _____
 SHEET _____ OF _____

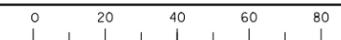
DETAILS UNDERGROUND FOUNDATION GROUNDING
 NO SCALE

E-22A

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS



DGN FILE => 04-0120F1_0105S01R01.dgn
 USERNAME => Llorico

CU 04251

EA 0120F1

DATE PLOTTED => 23-OCT-2013
 TIME PLOTTED => 08:51