



DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF, Alameda	80	12.2/14.3	0.0/4.0	407a	1204
			06S65			

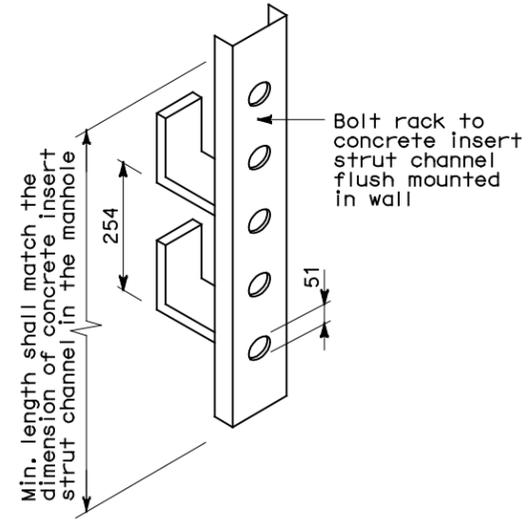
Registered Professional Engineer
 SYN YEE CHIN
 No. 18186
 Exp. 09/30/2011
 ELECTRICAL
 STATE OF CALIFORNIA

05-06-2010
 PLANS APPROVAL DATE

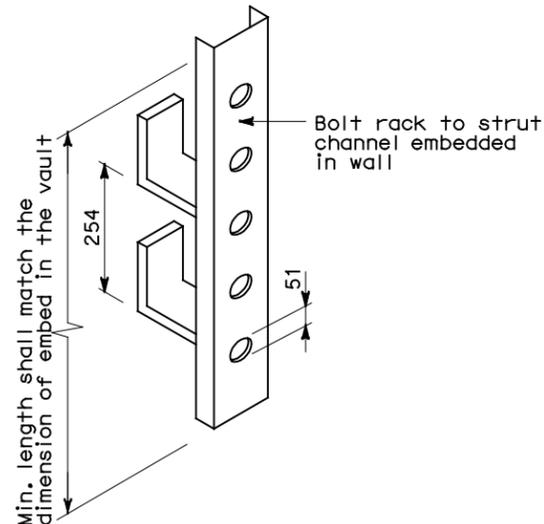
PB AMERICAS, Inc.
 A Parsons Brinckerhoff Company
 303 Second St., Suite 700N
 San Francisco, CA 94107-1317

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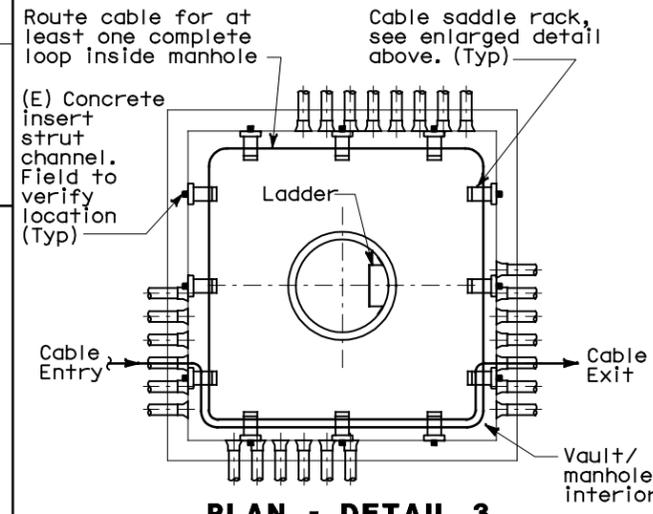
Caltrans now has a web site! To get to the web site, go to <http://www.dot.ca.gov>



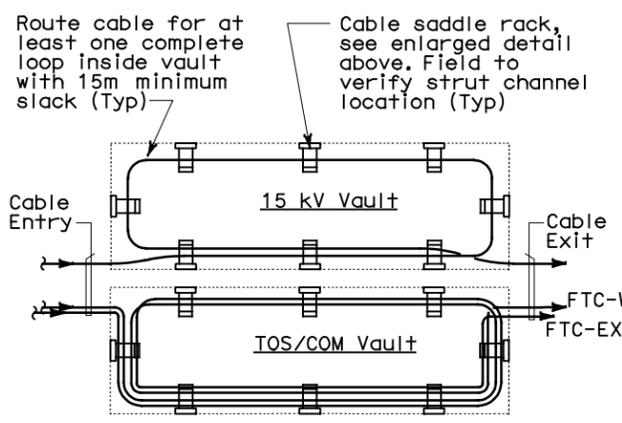
CABLE SADDLE RACK IN MANHOLE



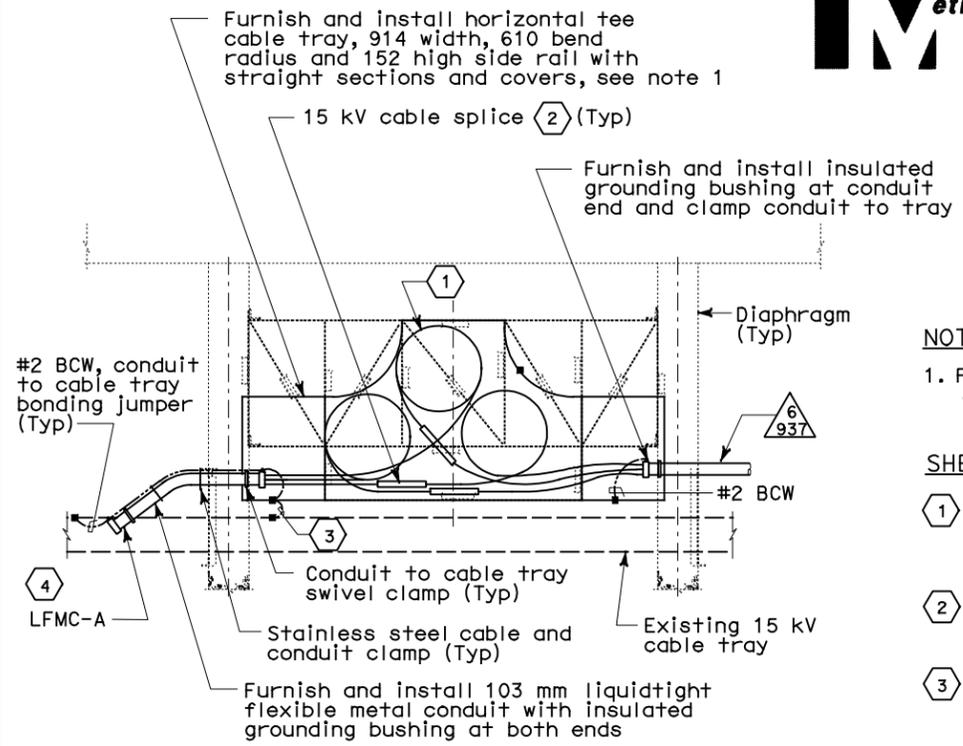
CABLE SADDLE RACK IN VAULT



PLAN - DETAIL 3
Manhole Cable Loop on Support Rack



PLAN - DETAIL 3A
Vault Cable Loop on Support Rack



PLAN - DETAIL 7

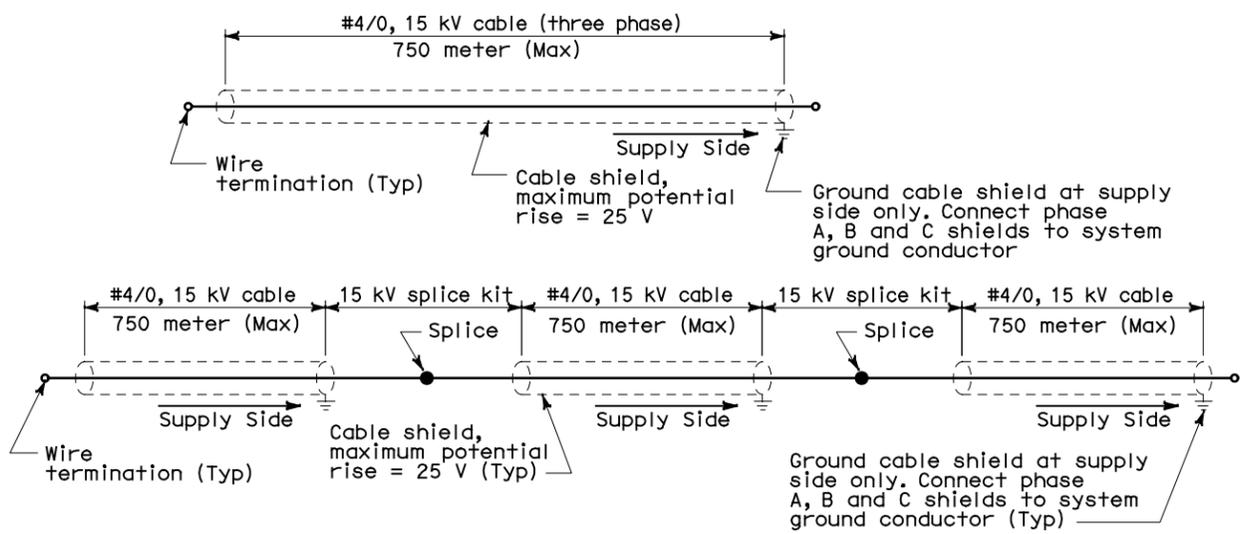
15 kV Splice Cable Tray Installation between diaphragms
See E-655 for Splice Cable Tray Location

NOTES:

- For splice cable tray support details, see sheet E-663.

SHEET NOTES:

- Minimum cable bend radius shall be 12 times the diameter of the cable. Provide 6.5 meter cable slack per phase. For shield grounding see Detail 6.
- The 15 kV cable splice shall not project above the cable tray side rails. Locate splice at near mid-point of coiled cable.
- Cable tray bonding jumper assembly shall be Cooper B-Line Catalog #99-40 or approved equal. Mounting hardware shall be hot dipped galvanized steel, ribbed neck carriage bolt, serrated flange hex nut, flat and lock washers.
- See sheet E-663, Table A for conduit location and designation number.
- Extend conduit to location shown on sheet E-655.



SHIELD GROUNDING - DETAIL 6

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE			
MARK	DATE	DESCRIPTIONS	BY
△	03/08/10	MEP INTEGRATION	RG SYC
			FW 110
REVISIONS			

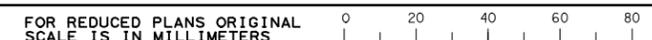
CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

DETAILS
BRIDGE STRUCTURES GIRDER WESTBOUND
GIRDER TYPICAL DETAILS
NO SCALE

E-663A

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN



DGN FILE => 04-0120f1_E-663A.dgn
USERNAME => llorico

CU 04251

EA 0120F1

DESIGN OVERSIGHT
 BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Caltrans

DATE PLOTTED => 06-MAY-2010
 TIME PLOTTED => 18:09
 LAST REVISION 00-00-00