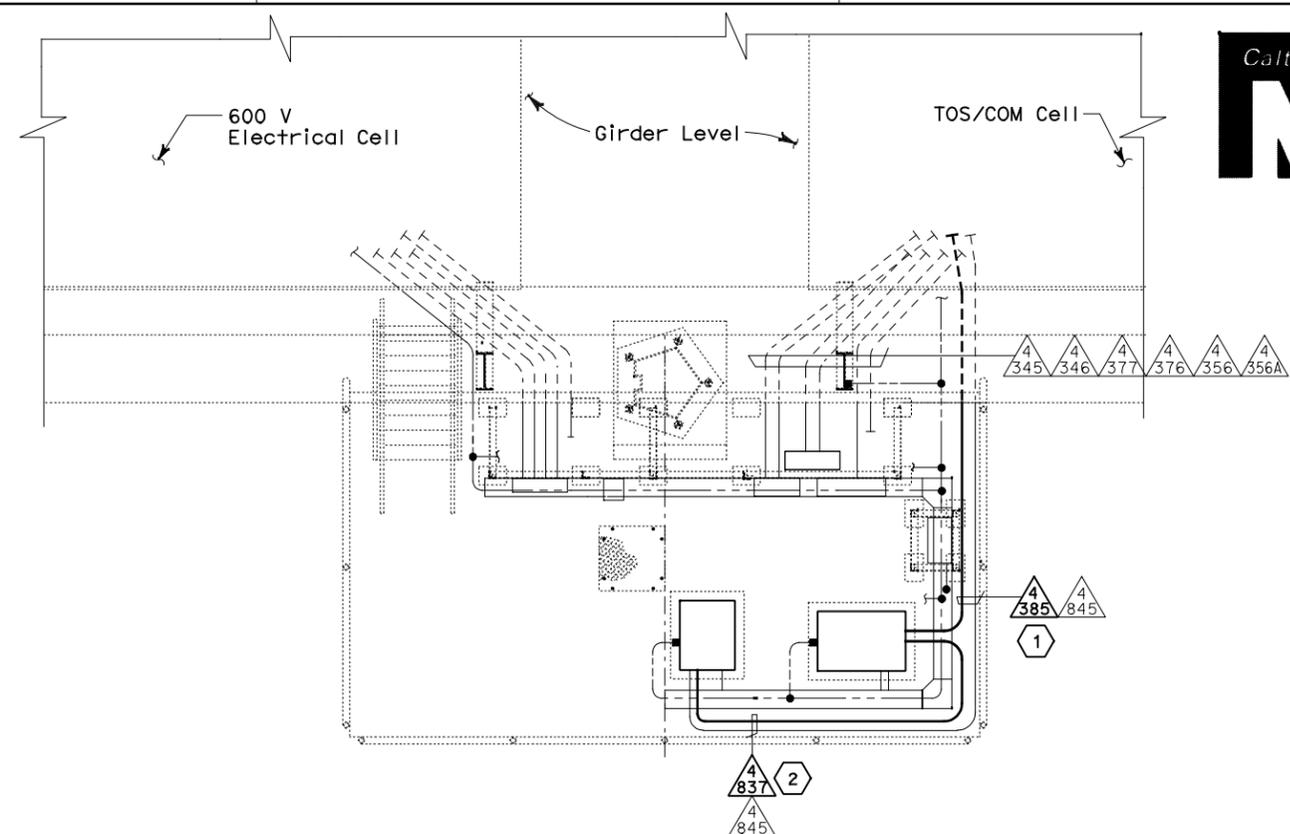


EQUIPMENT ARRANGEMENT PLAN
SCALE 1:40



CONDUIT AND GROUNDING PLAN
SCALE 1:40



DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST PROJECT	SHEET No	TOTAL SHEETS
04	SF, Alameda	80	12.2/14.3	0.0/4.0	407a	1204
			06S62			

Registered Electrical Engineer: **Syn Yee Chin**
 No. 18186
 Exp. 09/30/2011
 STATE OF CALIFORNIA

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

PLANS APPROVAL DATE: 03/08/10
 PB AMERICAS, Inc.
 A Parsons Brinckerhoff Company
 303 Second St., Suite 700N
 San Francisco, CA 94107-1317

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NOTES:

- This plan sheet is a record drawing from Oakland Touchdown 1 contract. The Contractor shall verify the existing installation. See sheet E-21 from Oakland Touchdown 1, contract No. 04-0120L4.
- The installed components shall not be limited to the ones listed below, but shall be a complete installation. For details, see Bridge Structures Girder Westbound, typical Details sheets.
 - Furnish and install TOS fiber optic cables into existing conduits shown on this drawing. See sheets E-978 through E-981.
- All conduits and equipment shown on this drawing are existing. Bold ones are to be used for pulling cable.

SHEET NOTES:

- Furnish and install (3) one inch inner duct in this conduit. Use one inner duct to pull TOS Fiber FTC- from TOS/COM Cell into TOS Splice Cabinet and coil 9 m for splicing by others. Furnish and install a 72 fiber by coiling 9m of its end in TOS Splice Cabinet and pulling through another inner duct inside the same conduit heading towards TOS/COM Cell in girder then continue eastwards. The coiled ends of the fiber cable shall be terminated with mated connectors. Refer to sheets E-972 through E-980.
- Furnish and install 12 fiber optic cables from TOS Splice Cabinet to Controller Cabinet. Coil 3m of cable inside Controller Cabinet for connection by others. The coiled end of the fiber optic cables shall be terminated with mated connectors. See sheets E-972 through E-980.

EQUIPMENT SCHEDULE:

- (A) Utility Panel UP-172, 100A
208/120 V, 3 Phase, 4 wire (NEMA 4X)
Size: 914 H x 610 W x 152 D. (PB-8A)
- (A1) 15 KVA Transformer, 3 Phase, 4 wire
480V - 208/120 V, 60 Hz, (NEMA 4X)
Size: 762 H x 584 W x 419 D
- (A2) Enclosed molded case circuit breaker, (NEMA 4X)
Size: 506 H x 225 W x 237 D
- (B) Controller Cabinet #TOS-23WA
Size: 1625 H x 615 W x 768 D
- (C) Telephone Terminal Box #TEL-23W (PB-7C)
Size: 762 H x 508 W x 203 D
- (D) TOS splice cabinet #TOS-23WS
Size: 1400 H x 980 W x 660 D
- (E) PB-2B for TOS/COM, mounted on panel rack
Size: 762 H x 610 W x 203 D
- (F) SCADA Communication Terminal Box #COM-23W (PB-7B)
Size: 762 H x 762 W x 203 D
- (G) 600V, Wireway #23W (NEMA 4X)
Size: 203 H x 203 W

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE					
0	03/08/10	MEP INTEGRATION	SYC	FW	110
MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
REVISIONS					

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

DETAILS
BRIDGE STRUCTURES GIRDER WESTBOUND
OAKLAND APPROACH STRUCTURES-SERVICE PLATFORM #23W
 SCALE AS NOTED

E-661

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.



DGN FILE => 04-0120f1_E-661.dgn
USERNAME => ilorico

CU 04251

EA 0120F1

DATE PLOTTED => 06-MAY-2010
 TIME PLOTTED => 18:08
 LAST REVISION 00-00-00