DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	261 S4R2	1204

REGISTERED ELECTRICAL ENGINEER 03/05/08 DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER S. A. ESTOQUE, JR. No. E-10151 Exp. 12/31/2008 ELECTRICAL STATE OF CALIFORNIA

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

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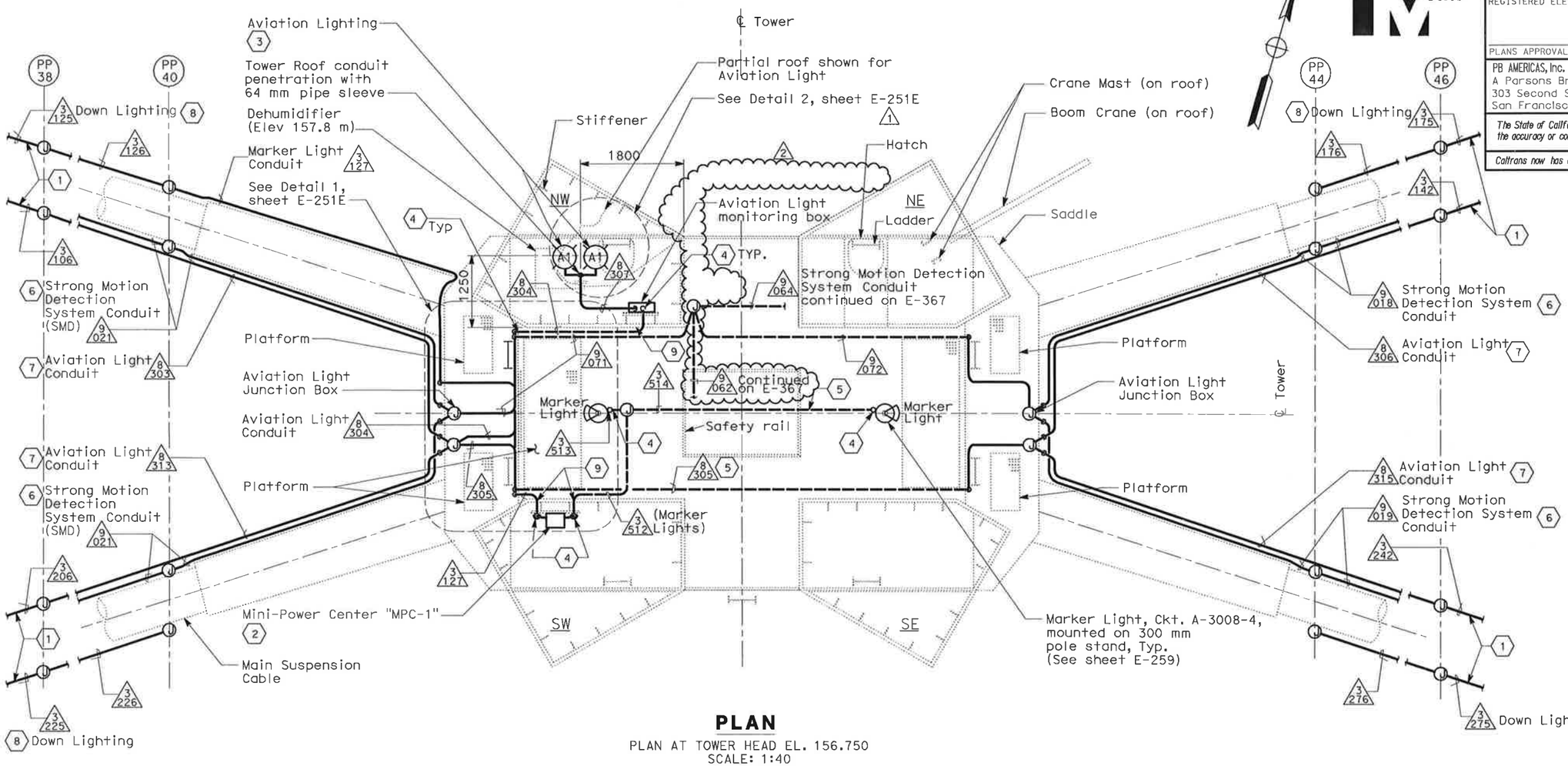

PLAN

PLAN AT TOWER HEAD EL. 156.750
SCALE: 1:40

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

Syn Yee Chin

FOR REVISION ONLY 1 2

SHEET NOTES:

1. The Liquidtight Flexible Metal Conduit shall be clamped to the Main Cable messenger cables at 610 mm intervals. Do not exceed four 90 degree bends between conduit pull boxes.
2. Mini-Power Center "MPC-1", 3kVA, 480-120/240V, 1-ph with main breaker, type EP transformer and secondary distribution panel mounted on structural strut in SW Tower and bolted to stiffeners (See Details 1 & 4, sheet E-251E)
3. Aviation Lighting on top: Red Flashing Beacon Type AV-1, CKT. S-3056-7, mounted on 762 mm pole stand anchored to the steel surface with stud bolts and neoprene gaskets. (See Details 2, 3, 6 thru 9, sheet E-251E)
4. Tower Head Diaphragm conduit penetration.
5. Conduit located under Tower Head Diaphragm Plate and supported from structural strut bolted to Diaphragm stiffeners, Typ (See Detail 5, sheet E-251E)
6. For continuation of strong motion detection conduits along main suspension cable, see sheet E-365
7. For continuation of navigation and aviation systems conduits along main suspension cable, see sheets E-226 thru E-229 and E-291.
8. For continuation of down lighting conduits along main suspension cable, see sheets E-226 thru E-229.
9. Tower skin plate "A" conduit penetrations.

NOTES:

1. For conduit and cable information, see sheets E-422 through E-426, E-446 and E-446A.

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
2	09/02/11	TOWER SUSPENDER CABLE & ELEVATOR	RM	TW	203S1
1	01/07/11	CABLE ELECTRICAL-LED AVIATION LIGHTS	RR	RG	72S1
0	09/24/08	CABLE ELECTRICAL	RR AG	RG SE	72

REVISIONS

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

DETAIL
TOWER AND SUSPENSION CABLE TOWER HEAD CABLE LIGHTING

SCALE AS SHOWN

E-251D

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

DGN FILE =>T:\13103\MS\pse\SAS Struc\CCO\SAS CCO203S1\04-0120f1 0261S04R02.dgn

DATE PLOTTED => 9/1/2011

LAST REVISION

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN OVERSIGHT BEHZAD GOLEMOHAMMADI

CALCULATED/DESIGNED BY CHECKED BY

DATE REVISED BY DATE REVISED