

DRAFT 1 (03/01/11)

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

CALCULATED/DESIGNED BY
CHECKED BY

REVISOR
DATE
FK
IAH
DATE REVISOR
DATE REVISOR



DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9		150 R2	1204

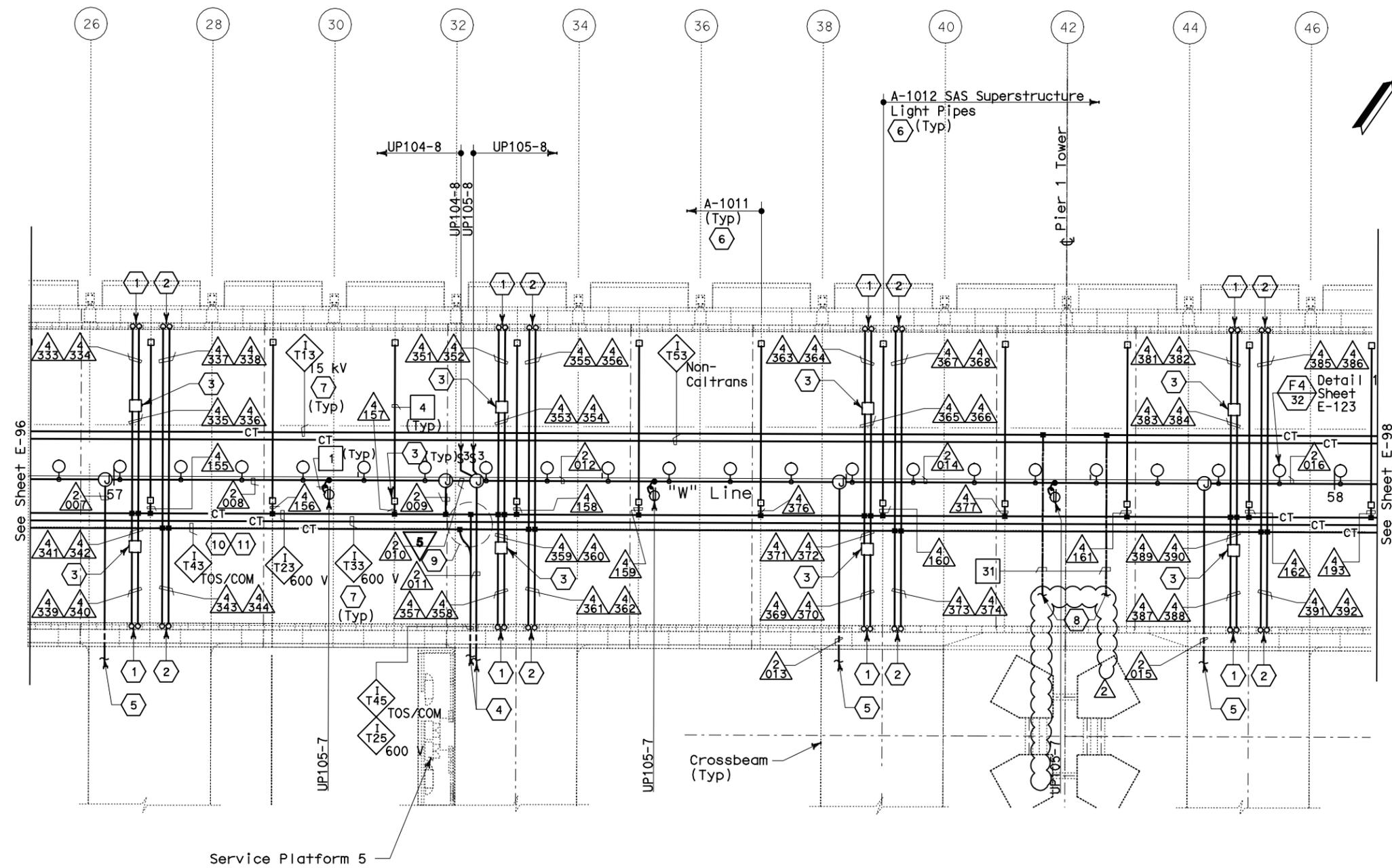
REGISTERED ELECTRICAL ENGINEER
Jens Erlingsson 12/19/02
 No. 8249
 Exp. 9/30/06
 ELECTRICAL
 STATE OF CALIFORNIA

12-6-04
 PLANS APPROVAL DATE

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

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SHEET NOTES:

- Conduit up to PB-LTG located in barrier, see sheet E-47.
- Conduit up to PB-COM located in barrier, see sheet E-47.
- PB-2A locate on top of floor.
- For cable tray run and lighting inside crossbeam, see sheet E-115.
- For lighting inside crossbeam, see sheet E-119.
- PB-2L with circuit for future light pipes. See sheet E-121 for installation details and E-130 for lighting schedule.
- For cable tray & ground bar support, refer to sheet E-125.
- 250 kcmil copper grounding conductor exothermically welded to 500 kcmil system grounding conductor. Route 250kcmil BCW in 2" liquidtight flexible metal conduit. For continuation, see sheet E-111A.
- For fiber splice tray detail, refer to sheet E-355.
- Furnish and install 1-25.4 mm innerduct per BASE fiber optic cable in TOS/COM cable tray.
- Furnish and install BASE fiber optic cable in innerduct. See sheet E-1100.

NOTES:

- References:
 - TOS equipment is shown for conduit routing only. For typical details of TOS controller and devices, see sheets E-344 through E-357.
 - For types of pull boxes, splice boxes and enclosures, see sheet E-83.
 - For bridge grounding plan, see sheet E-111.
 - For circuit and conduit/cable tray schedules, see sheets starting at E-401.
- For other related work not shown on this sheet, see Electrical Special Provisions.
- The girder lighting fixtures are shown diagrammatically. Contractor shall install fixtures at railing posts with a maximum of 8000 mm between fixtures. For types and typical lighting fixture installation details, see sheet E-123.
- The cable trays are shown diagrammatically. For typical girder cable tray plans and sections, see sheets E-124 and E-125.

SAS SUPERSTRUCTURE - CONDUIT AND CABLE TRAY PLAN

SK-RFI3244R00-E97
Adil M. 4/3/13

SAS SUPERSTRUCTURE GIRDER WESTBOUND LIGHTING AND ELECTRICAL SYSTEMS

SCALE 1:200

E-97

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

REGISTERED PROFESSIONAL ENGINEER
 DAVID H. OTO
 No. 10699
 Exp. 06/30/2013
 ELECTRICAL
 STATE OF CALIFORNIA

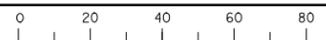
FOR REVISION ONLY FOR REVISION ONLY

MARK	DATE	DESCRIPTIONS REVISIONS	BY	CH'D	CCO#
2	04/27/12	ELECTRICAL GROUNDING	RSB	RM	75
1	03/01/11	BASE INTEGRATION	RSB	WB	150

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS

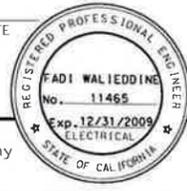


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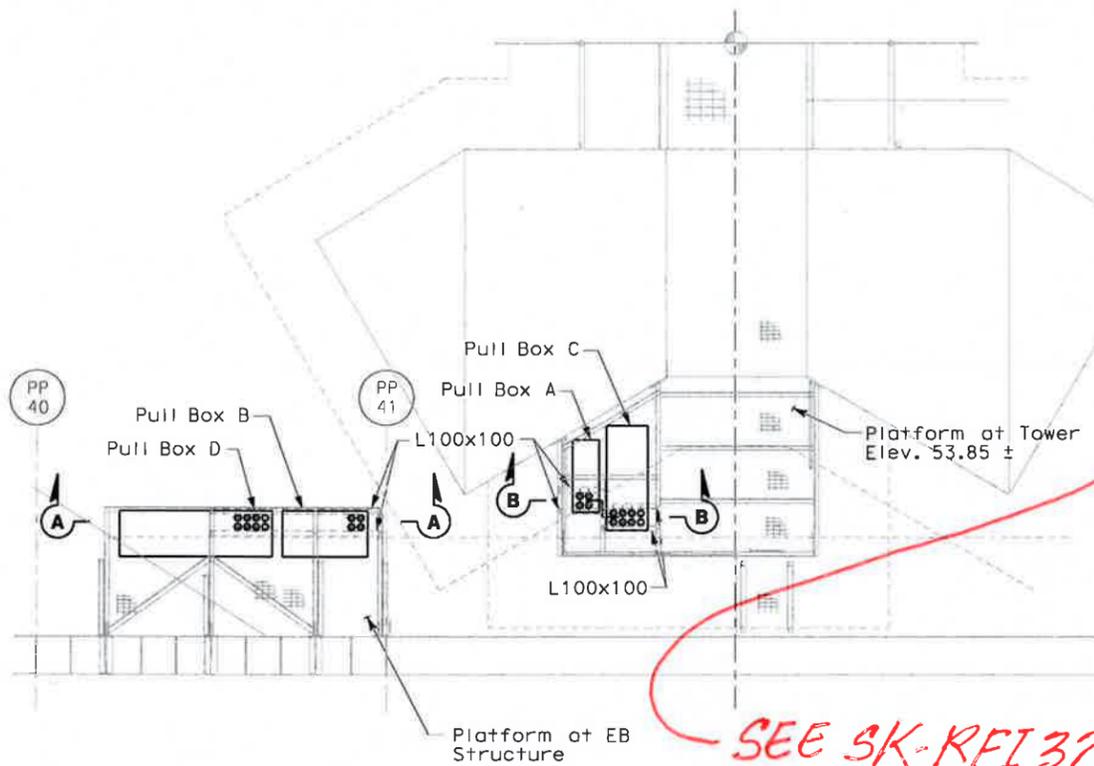
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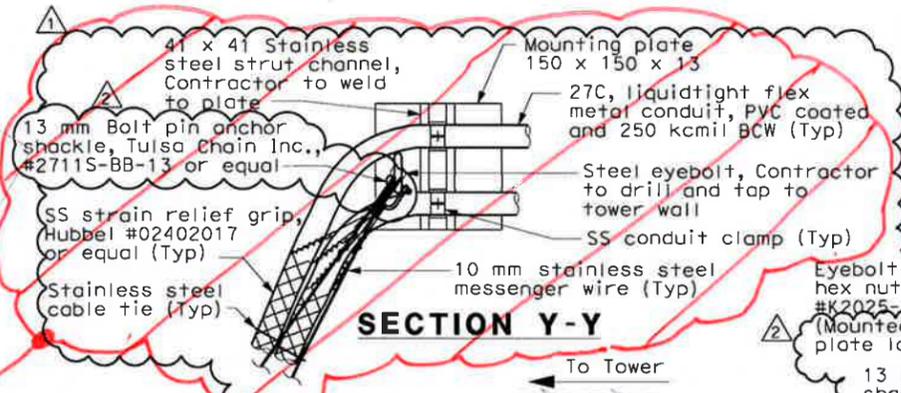
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04	SF	80	13.2/13.9		271	1204
REGISTERED ELECTRICAL ENGINEER DATE 						
PLANS APPROVAL DATE PB AMERICAS, Inc. A Parsons Brinckerhoff Company 303 Second St., Suite 700N San Francisco, CA 94107-1317 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet. Caltrans now has a web site! To get to the web site, go to http://www.dot.ca.gov						

NOTES:

1. For reference drawing see Sheet E-264A.



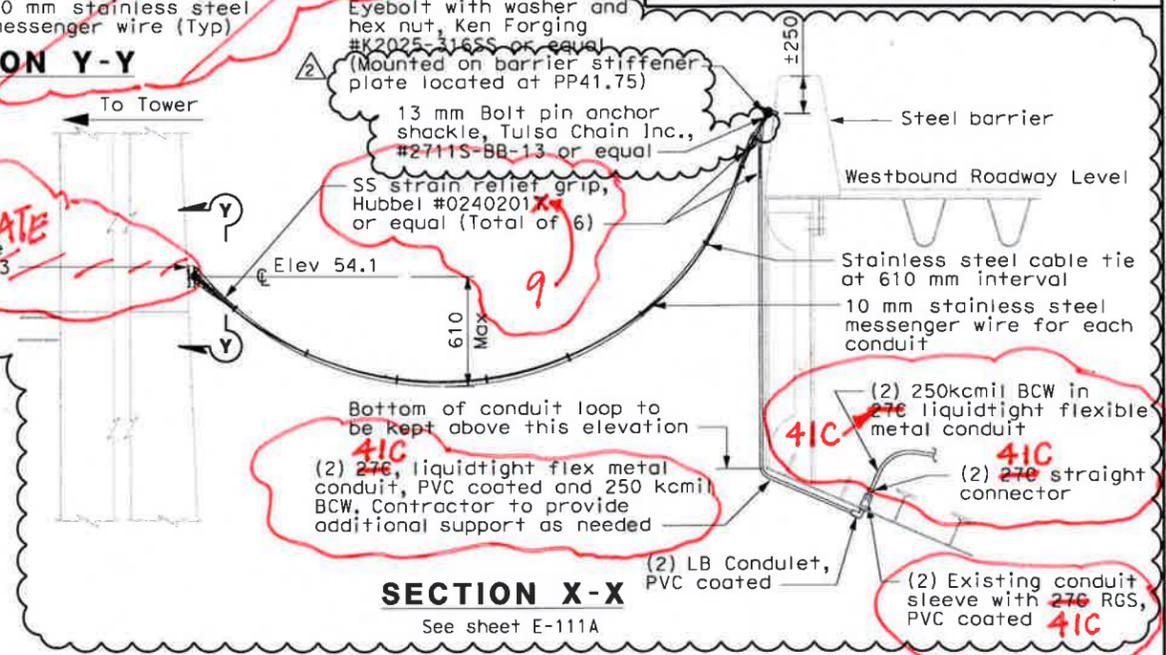
PLAN-PLATFORM AT ELEV 53.85
NO SCALE



SECTION Y-Y

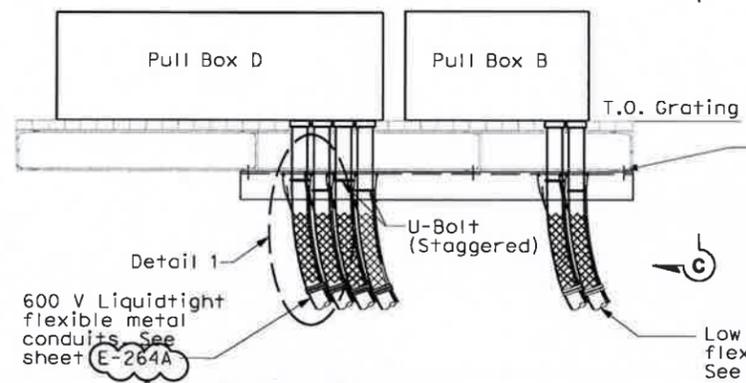
(E) SOLE PLATE
Mounting plate 150 x 150 x 13
Platf Elev 53.85

SEE SK-RFI3244K00-E264F-2

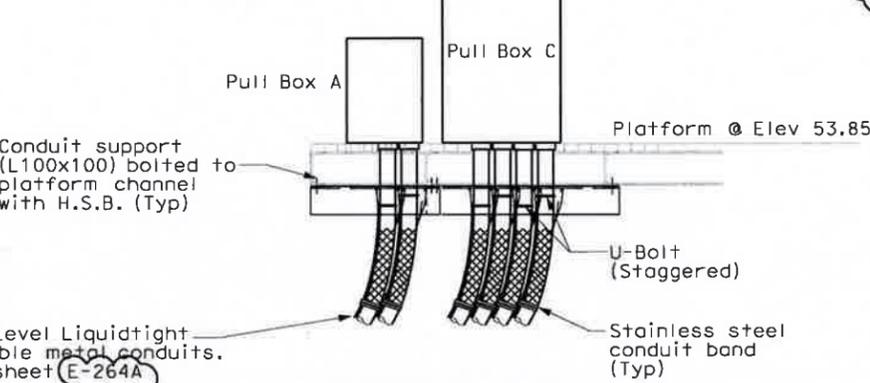


SECTION X-X

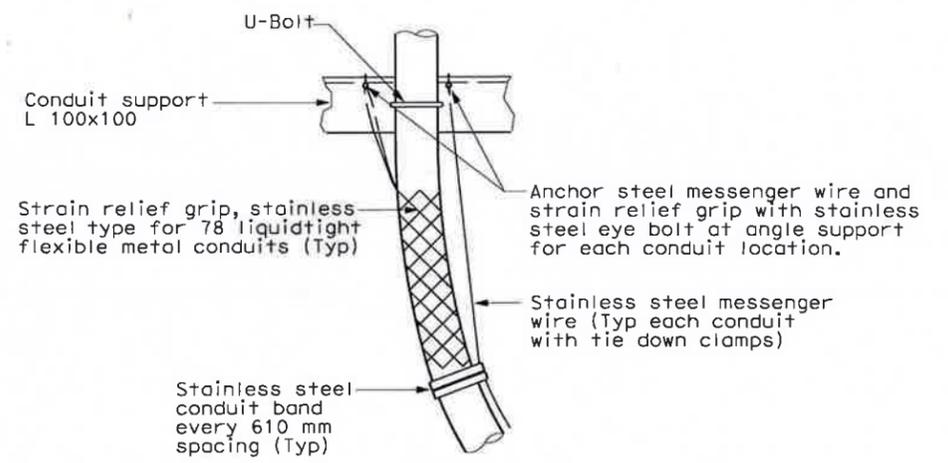
See sheet E-111A



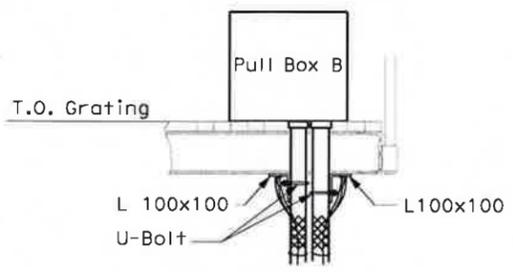
SECTION A-A
NO SCALE



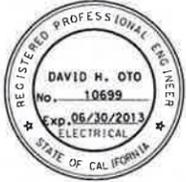
SECTION B-B
NO SCALE



DETAIL 1
(TYPICAL)



SECTION C-C
NO SCALE



FOR REVISION ONLY

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE							
MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#		
2	07/31/12	ELECTRICAL GROUNDING	RSB	RG	75		
1	04/27/12	ELECTRICAL GROUNDING	RSB	RM	RG	75	
0	03/30/09	SERVICE PLATFORM ELECTRICAL CHANGES	RR	RY	RC	FW	55
REVISIONS							

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

DETAILS
TOWER AND SUSPENSION CABLE
NO SCALE

SK-RFI3244K00-E264F-1
R. GARCIA 4/2/13

E-264F

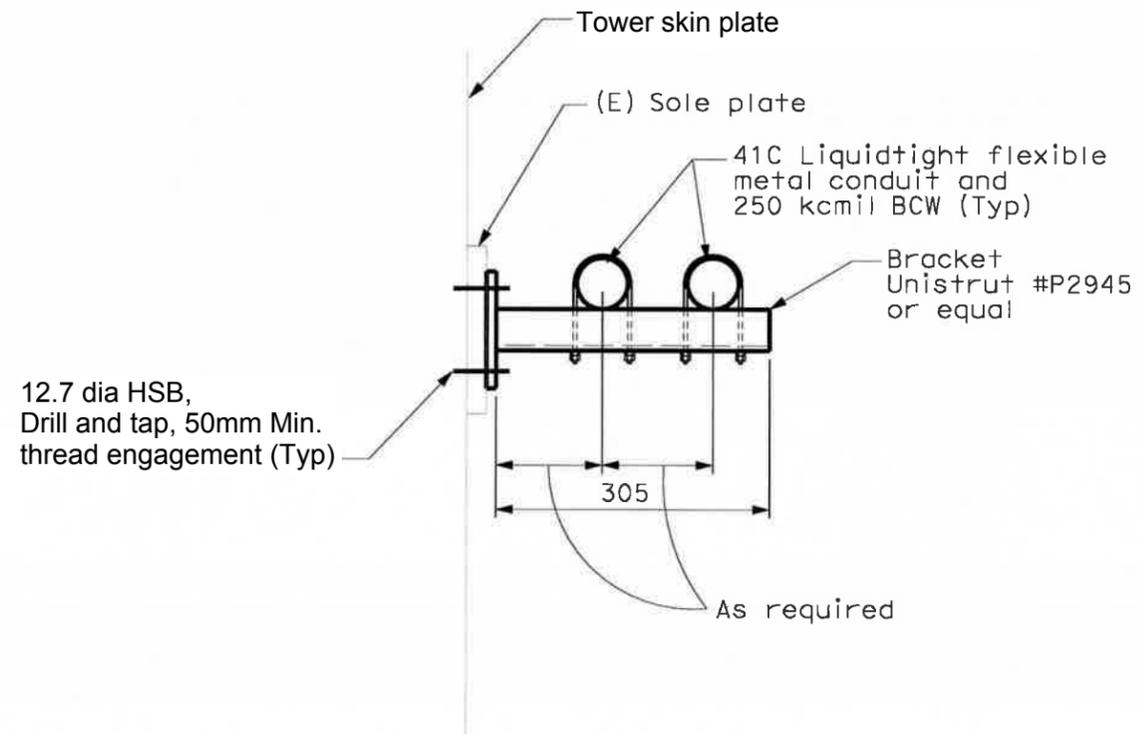
DESIGNED BY: BEHZAD GOLEMOHAMMADI
CHECKED BY:
DESIGN OVERSIGHT:
DATE REVISION: 7/31/2012
TIME PLOTTED: 11:56:48 PM
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THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

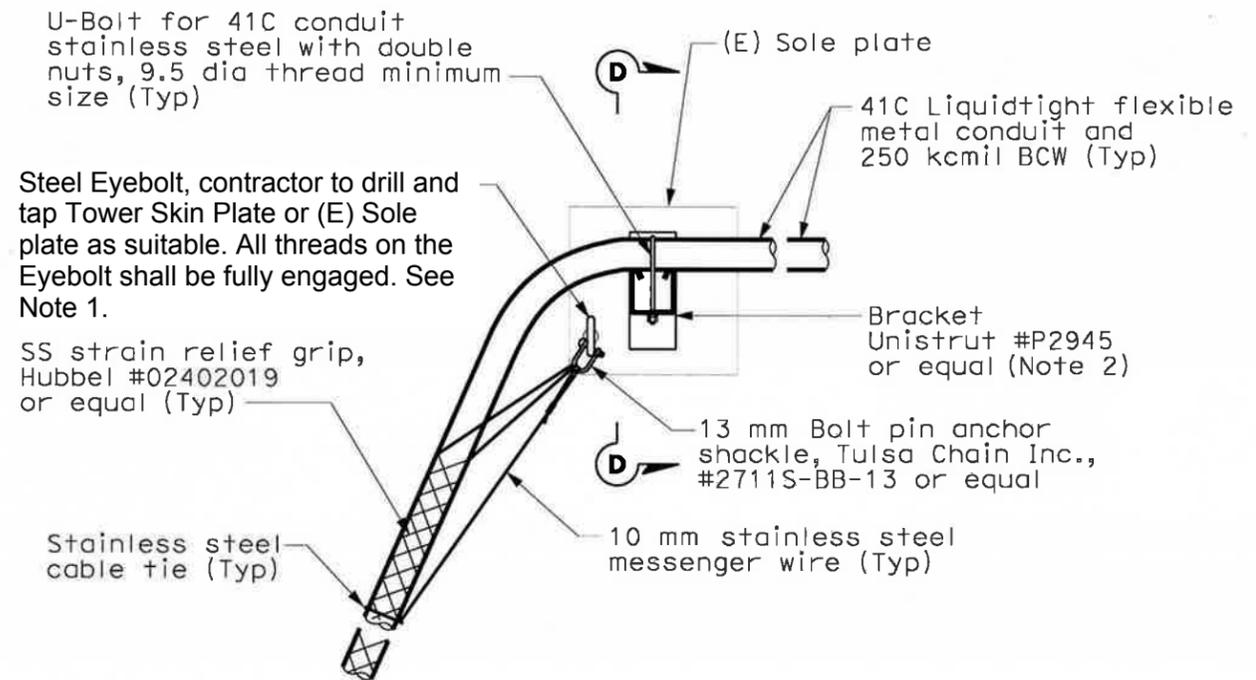
FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS

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USERNAME => garciar
CU 04251 EA 0120F1



SECTION D-D

NO SCALE



SECTION Y-Y

NO SCALE

NOTES:

1. Eyebolt location to suit field condition.
2. Bracket may be rotated 180 degree if U-bolt is not available with longer thread length. Conduit shall be placed on top of channel strut.

SK-RFI3244R00-E264F-2

R. GARCIA

APRIL 02, 2013