

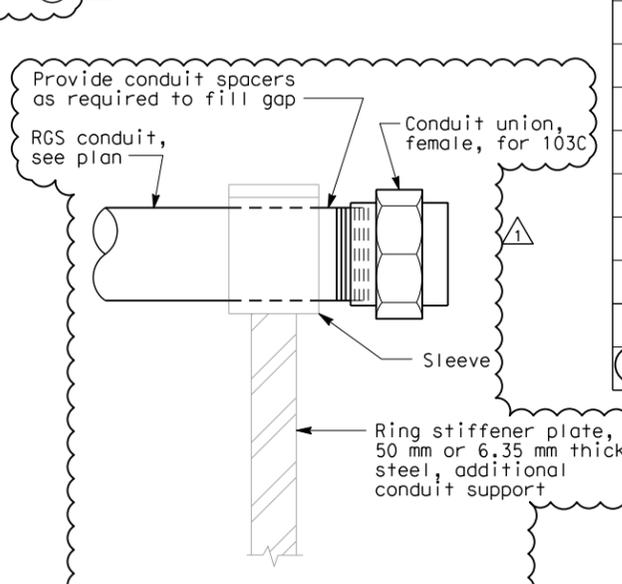
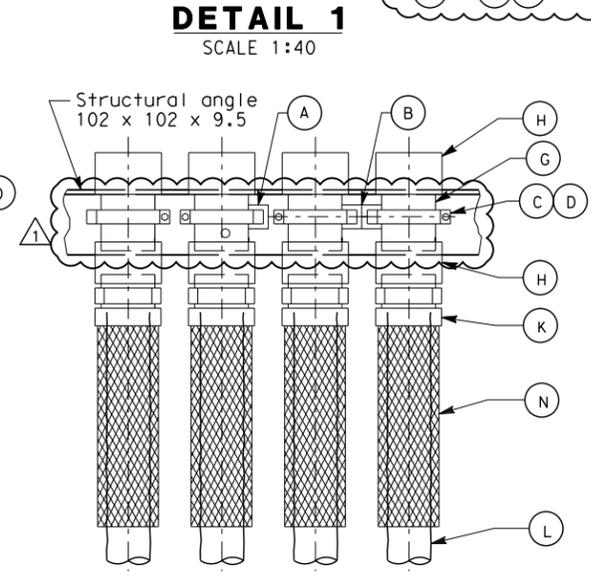
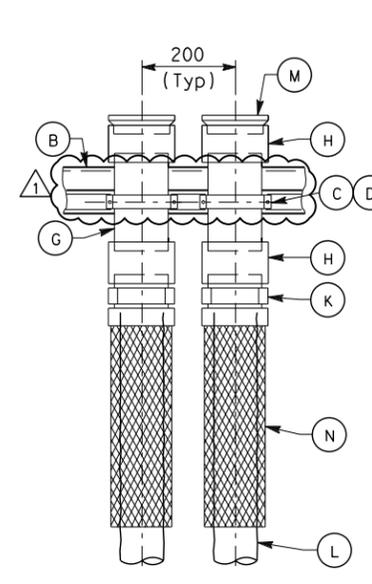
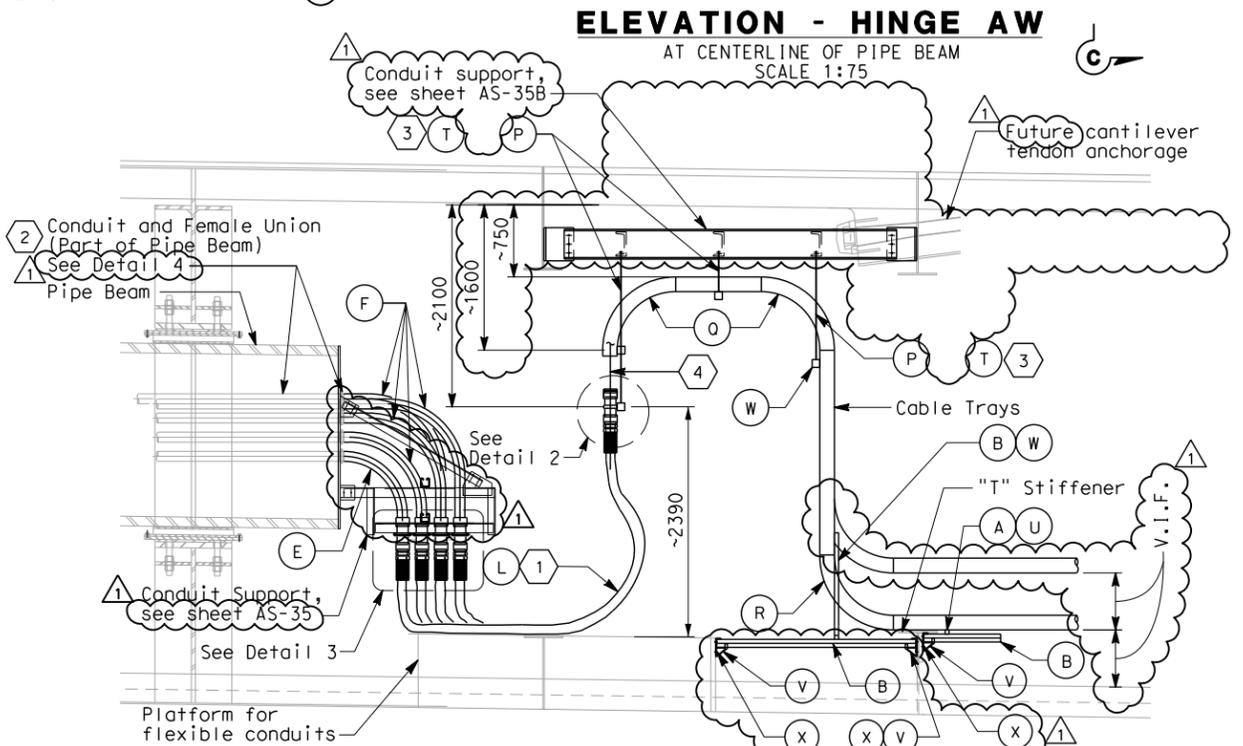
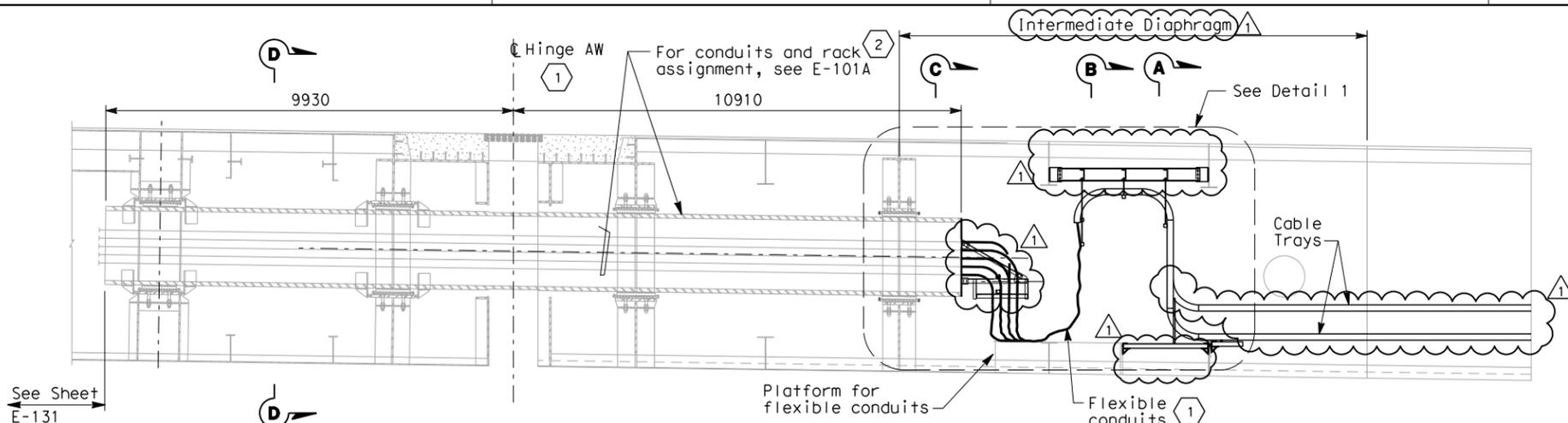
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN OVERSIGHT
 BEHZAD GOLEMOHAMMADI
 CALCULATED/DESIGNED BY
 CHECKED BY
 DATE 12/03
 REVISED BY
 DATE REVISED 2/04
 EUL
 EUL



DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9		185 R1	1204

Jens Erlingsson 2/6/04
 REGISTERED ELECTRICAL ENGINEER DATE
 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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 Caltrans now has a web site! To get to the web site, go to <http://www.dot.ca.gov>

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



Item No.	Description
A	Strut channel 41 mm x 41 mm
B	Strut channel combination 41 mm x 82 mm
C	Strut channel spring nut, lockwasher and hex bolt
D	Strut channel conduit clamp for 103 mm
E	Conduit elbow for 103 mm (Radius= 610 mm)
F	Conduit elbow for 103 mm (Radius= 752 mm)
G	Conduit nipple, 103 mm
H	Conduit coupling, 103 mm
J	DELETED
K	Connector, straight liquidtight flexible conduit for 103 mm
L	Liquidtight flexible conduit, 103 mm
M	Insulated bushed nipple for 103 mm conduit
N	Strain relief grips or AMTEC conduit riser grip for flexible conduit, 103 mm
P	Threaded steel hanger rod, 12 mm diameter
Q	Cable tray vertical outside bend
R	Cable tray vertical inside bend
T	Strut channel spring nut, tee-head bolt
U	Strut channel cable tray clamp for ladder or solid bottom tray
V	Bracket for 82 mm X 82 mm Strut Channel
W	Vertical tray hanger with splice plate hardware (bolted to side rail)
X	130 Bolt thru 'T' stiffener web/platform support w/ nut and washer

- SHEET NOTES:**
- Hinge AW electrical design is based on the maximum expansion joint movement opening of 1243 mm.
 - Conduits through pipe beam shall be part of the pipe beam assembly. Conduit shall be welded together to form a continuous conduit inside the pipe beam, length as specified. The weld shall be smooth on the outside and free of burrs inside the conduit. Conduit fittings, like coupling, etc. to form a continuous conduit shall not be permitted as alternative. Pipe beam supplied by Skyway Structure.
 - Cable tray hangers shall be located to provide working space in front of Cantilever tendon anchorage. Field to adjust location accordingly, additional supports as required.
 - All cable/cables entering the liquidtight conduits from the cable trays shall be provided with strain relief cable/cables grips or AMTEC conduit riser grip attached from the vertical cable tray hangers.
- NOTES:**
- Minimum radius of cable tray fittings shall be 610 mm.
 - Minimum radius of 103 mm conduit bends shall be 610 mm.
 - Cables/circuits passing through the hinge locations shall be provided with cable identification tag at both ends of Hinge.
 - For additional work related not shown on this drawing, see Electrical Special Provisions.
 - For Sections A-A and B-B, see sheet E-132B.
 - Sections C-C and D-D, see sheet E-132C.

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE			
MARK	DATE	DESCRIPTIONS REVISIONS	RR RSB BY CH'D CCO#
1	03/27/13	ADDITIONAL SAS MISCELLANEOUS ELECTRICAL CHANGES	RR RSB 191S2

CONTRACT CHANGE ORDER NO. _____
 SHEET _____ OF _____

DETAILS
SAS SUPERSTRUCTURE AND SKYWAY STRUCTURE
GIRDER INTERFACE WESTBOUND
HINGE AW
 SCALE AS NOTED

E-132A

DATE PLOTTED => 3/29/2013 TIME PLOTTED => 10:36:15 AM