

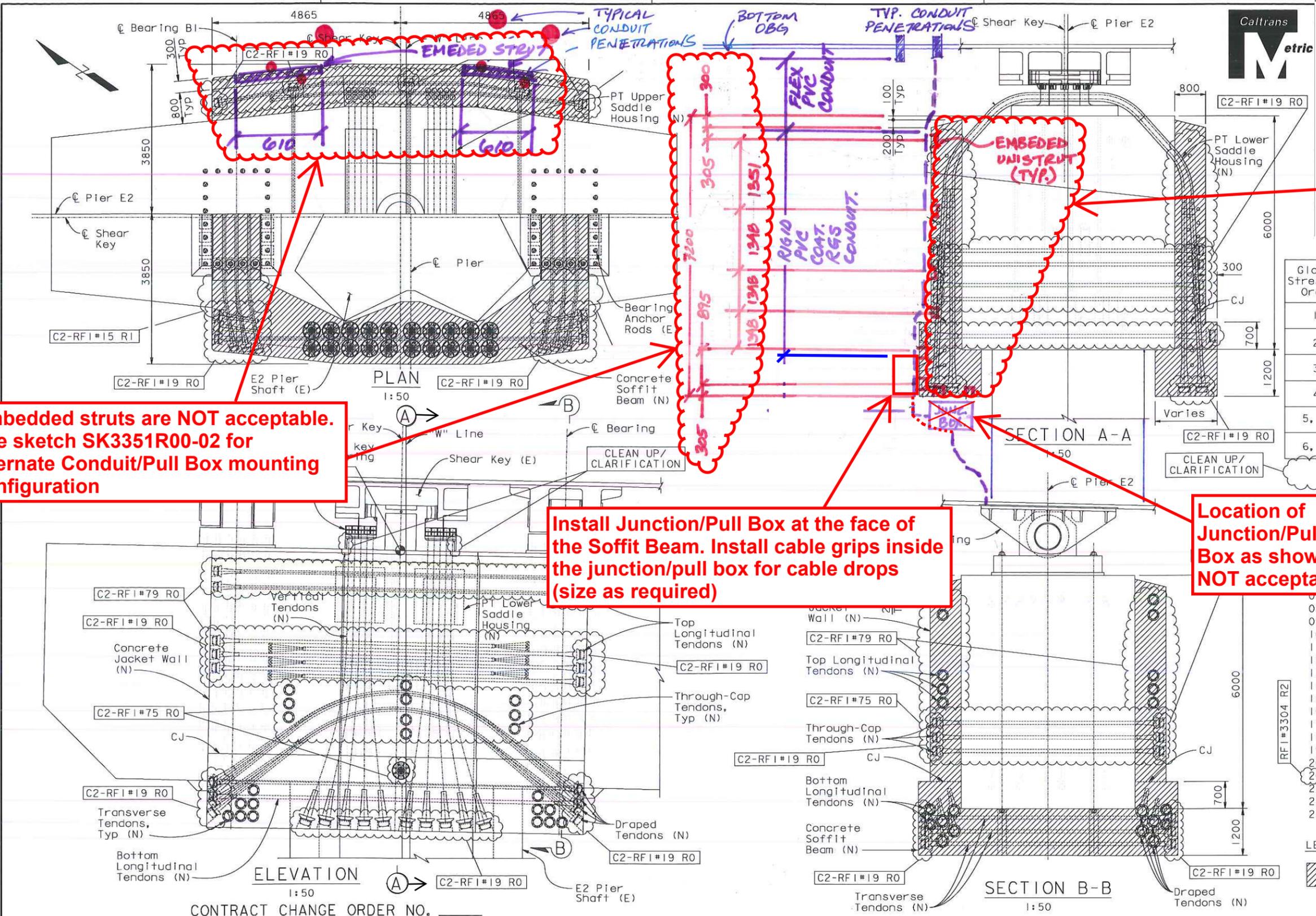
SK3351R00-01

Embedded struts are NOT acceptable. See sketch SK3351R00-02 for alternate Conduit/Pull Box mounting configuration

Embedded struts are NOT acceptable. See sketch SK3351R00-02 for alternate Conduit/Pull Box mounting configuration

Install Junction/Pull Box at the face of the Soffit Beam. Install cable grips inside the junction/pull box for cable drops (size as required)

Location of Junction/Pull Box as shown is NOT acceptable



Post Tensioning Summary

Global Stressing Order	Tendon Group	No. Strands per Tendon	Number of Tendons
1	Bottom Longitudinal	12	8
2	Transverse	12	24
3	Through-Cap	12	18
4	Top Longitudinal	12	32
5, 7	Draped	19	16
6, 8	Vertical	26	40

PLANS

1	General Arrangement
2	Concrete Outlines
3	Typical PT Geometry
4	Detail No. 1
5	Detail No. 2
6	Detail No. 3
7	Saddle Details No. 4
8	Saddle Details No. 5
9	Saddle Details No. 6
10	PT Details No. 1
11	PT Details No. 2
12	PT Details No. 3
13	PT Details No. 4
14	Reinforcement Details No. 1
15	Reinforcement Details No. 2
16	Reinforcement Details No. 3
17	Reinforcement Details No. 4
18	Reinforcement Details No. 5
19	Construction Details No. 1
20	Construction Details No. 2
20A	Construction Details No. 2A
21	Construction Details No. 3
22	Construction Details No. 4
23	Construction Details No. 5

LEGEND:

	55 MPa Concrete (N)
(N)	New
(E)	Existing

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

A. Akinsanya / W. Long
DESIGN OVERSIGHT
SIGN OFF DATE: XX/XX/13

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
XX	XX	XX	XX	XX	XX

DESIGN	BY	CHECKED
DESIGN	X. XXXXX	X. XXXXX
DETAILS	X. XXXXX	X. XXXXX
QUANTITIES	X. XXXXX	X. XXXXX

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

M. Nader
PROJECT ENGINEER

BRIDGE NO.
34-0006L/R
KILOMETER POST
13.2/13.9

SAN FRANCISCO OAKLAND BAY BRIDGE
EAST SPAN SEISMIC SAFETY PROJECT
SELF-ANCHORED SUSPENSION BRIDGE
(SUPERSTRUCTURE & TOWER)

E2 SHEAR KEY ANCHORAGE: GENERAL ARRANGEMENT

Rev. Date: 5-22-13

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS

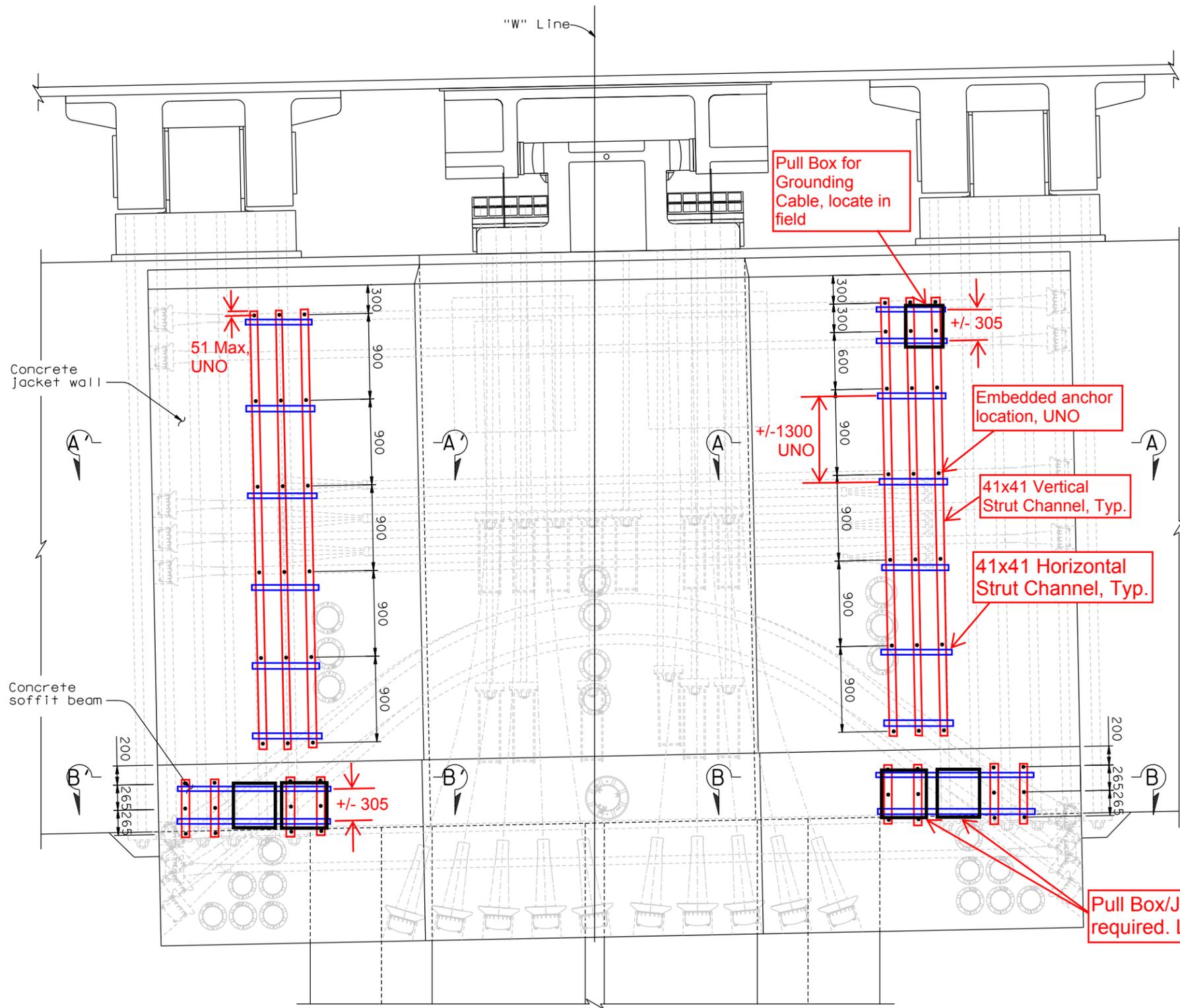
CU 04
EA 0120F1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
05/08/13 06/03/13	1	1

FILE => I:\bb\04-012001\sas\rf1 updates\engineer update sketches\sh e2 shear keys retrofit\alternative c2\01.dgn

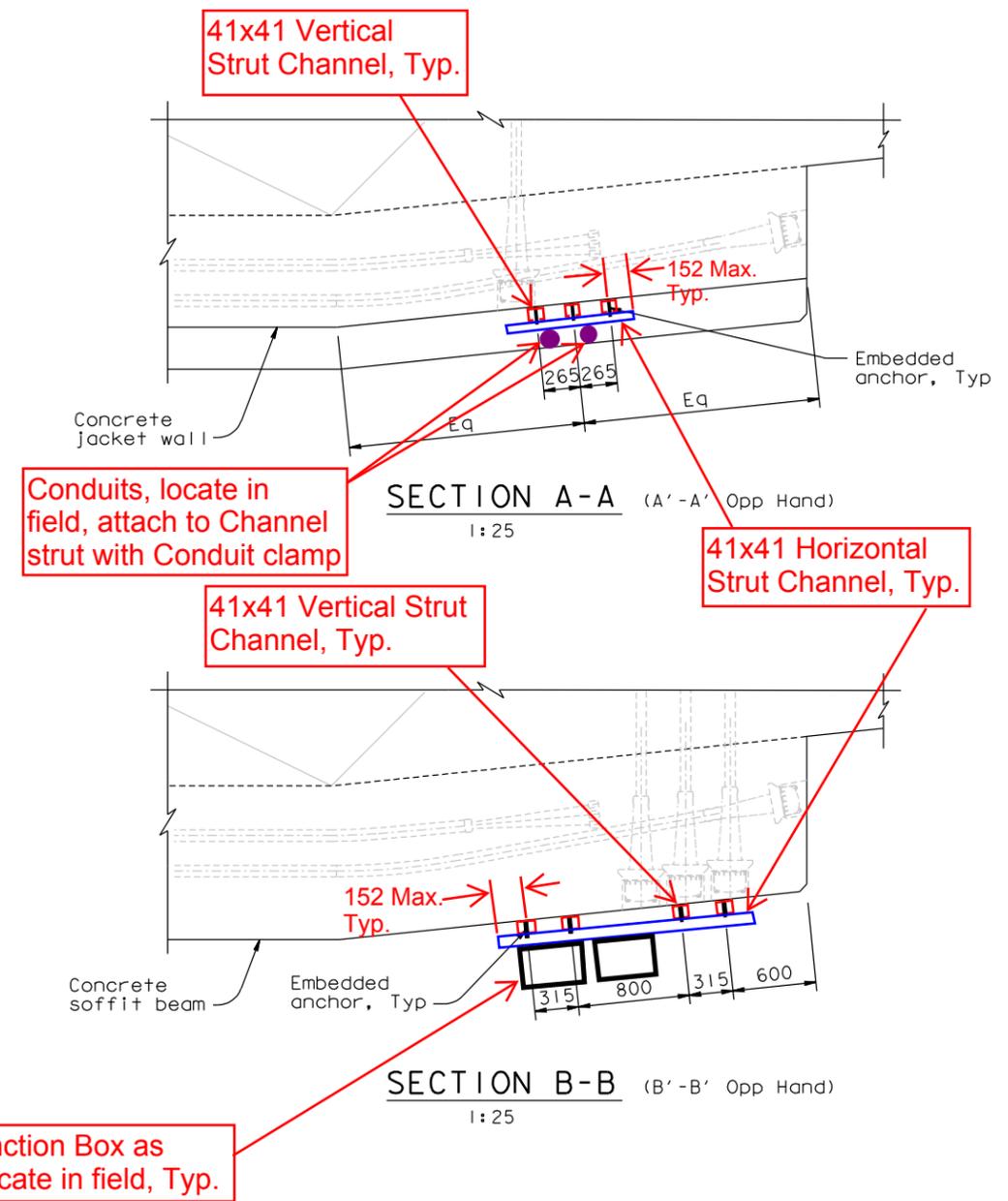
75% PS&E
DATE PLOTTED => 03 JUN 2013
USERNAME => F5msion



PIER E2 ELEVATION (See Note 1)
1:25

(East Face, Looking West, "W" Line Shown, "E" Line Similar)

Note:
See sketches SK3351R00-03 and SK3351R00-04 for additional information.



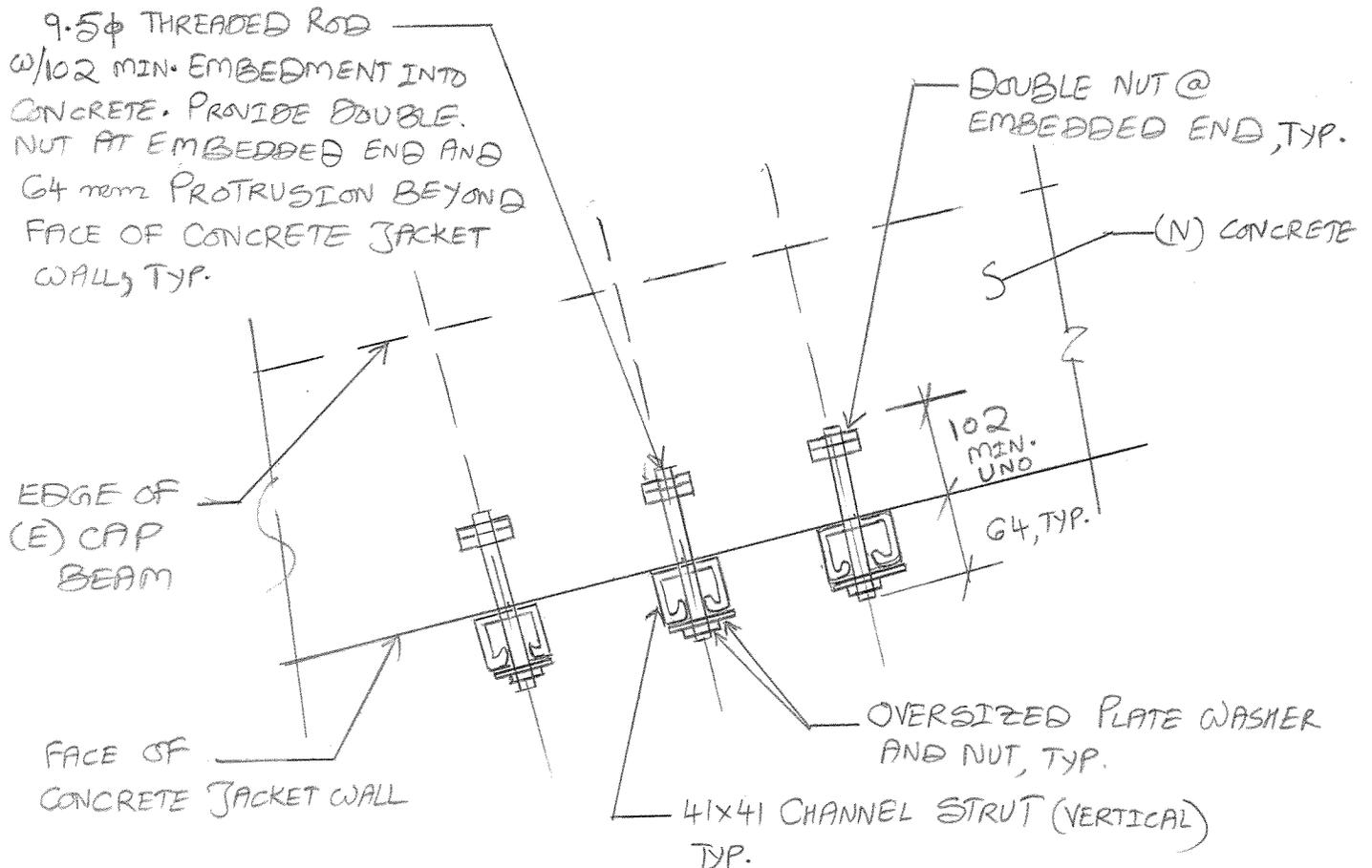
Conduits, locate in field, attach to Channel strut with Conduit clamp

Pull Box/Junction Box as required. Locate in field, Typ.

LEGEND:
• Embedded Anchor

NOTES:
1. Dimensions are measured along lines perpendicular to the top face of Pier E2.

SK3351R00-02



Embedded Anchor and Vertical Conduit Support Channel Strut Connection Detail

Notes:

1) Contractor shall ensure all embedded anchors are aligned along a straight vertical line per sketch SK3351R00-02. Embedded anchors shall not conflict with Saddle Assembly, PT Ducts or Concrete Jacket Wall reinforcement.

2) All embedded anchors and Channel struts shall be hot-dipped galvanized.

3) Connection at Concrete Jacket Wall is shown, connection at Soffit Beam is similar.

SK3351R00-03

Notes:

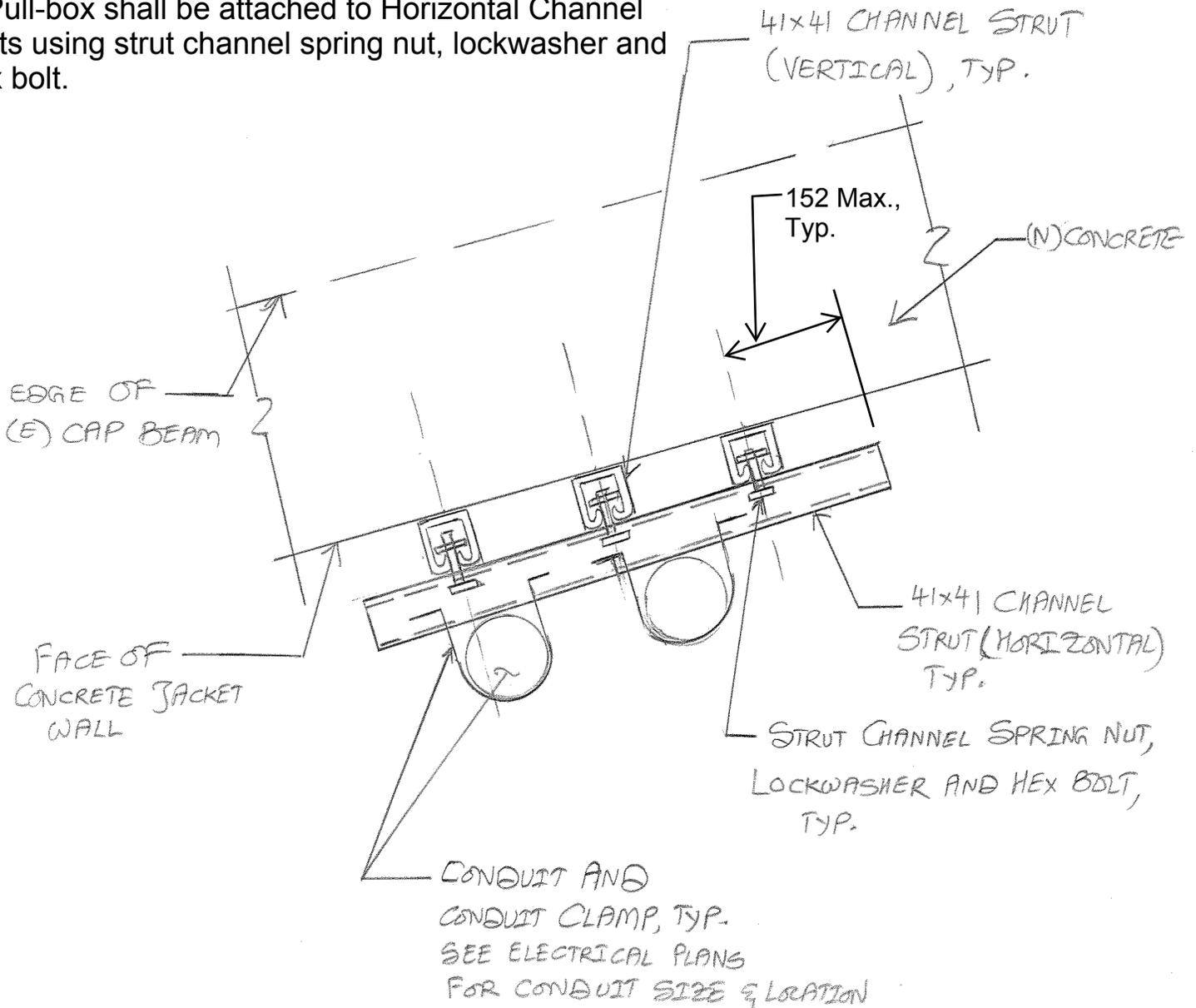
1) Contractor shall ensure all Vertical Channel struts are aligned along a straight vertical line.

2) All Channel struts and fittings shall be hot-dipped galvanized.

3) Connection at Concrete Jacket Wall is shown, connection at Soffit Beam is similar.

4) Pull-box shall be attached to Horizontal Channel struts using strut channel spring nut, lockwasher and Hex bolt.

SK3351R00-04



Horizontal Conduit Support Channel Strut and Conduit Attachment Detail