Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
1	07/21/06	W2 CAP BEAM ISD	JD	NV	23

REVISIONS

CONTRACT CHANGE ORDER NO. ____
SHEET ___ OF ___

Caltrans Metric

DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	462R1	1204

REGISTERED ENGINEER - CIVIL

12-6-04
PLANS APPROVAL DATE

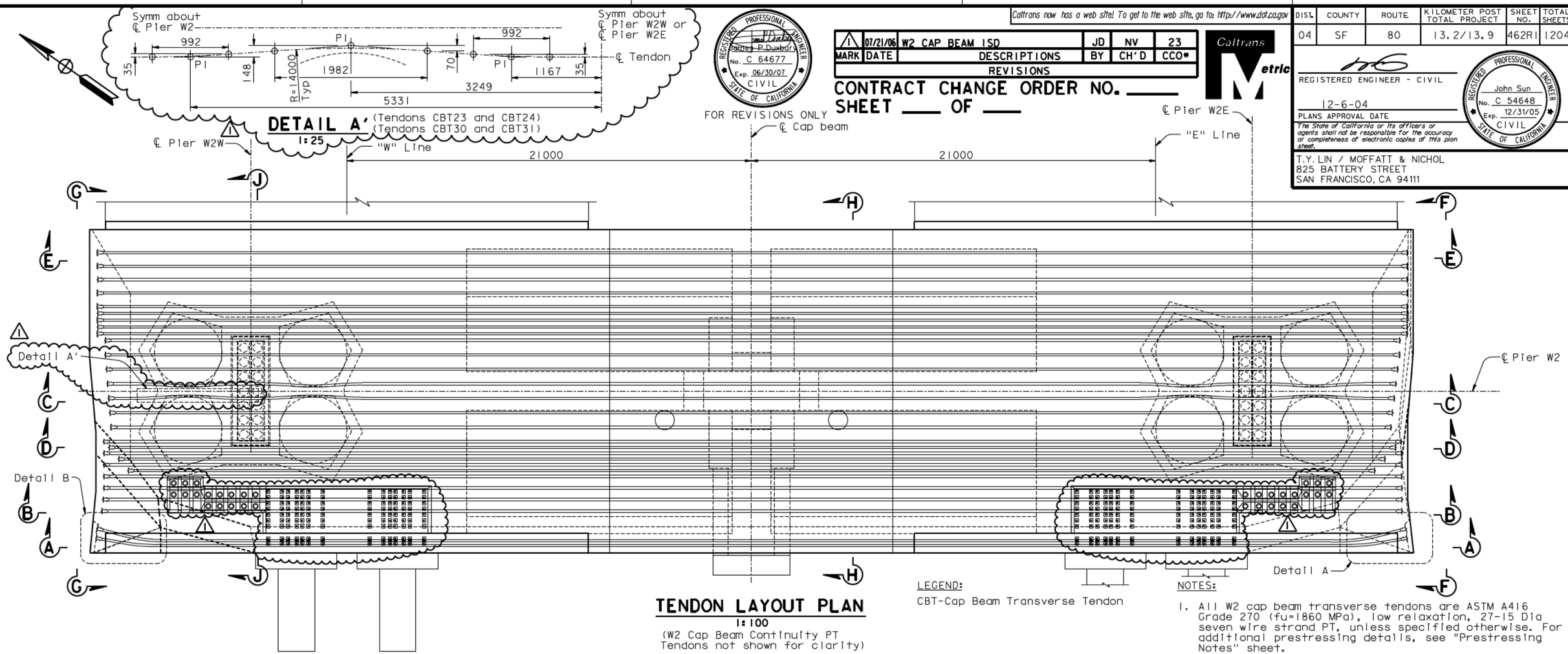
REGISTERED PROFESSIONAL ENGINEER John Sun No. C 54648 Exp. 12/31/05 CIVIL STATE OF CALIFORNIA

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.

T.Y. LIN / MOFFATT & NICHOL
825 BATTERY STREET
SAN FRANCISCO, CA 94111

REGISTERED PROFESSIONAL ENGINEER James P. Duxbury No. C 64677 Exp. 06/30/07 CIVIL STATE OF CALIFORNIA

FOR REVISIONS ONLY



TENDON LAYOUT PLAN

1:100

(W2 Cap Beam Continuity PT Tendons not shown for clarity)

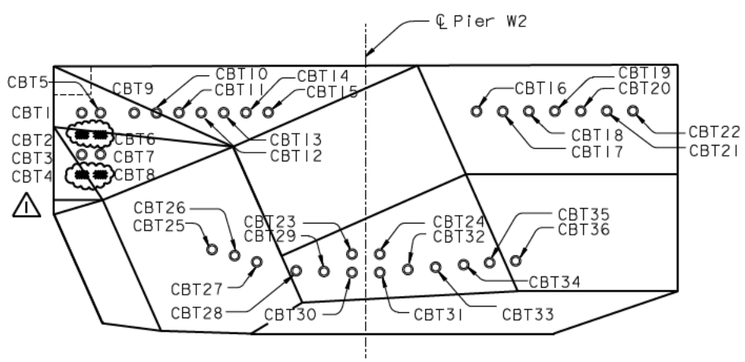
LEGEND:

CBT-Cap Beam Transverse Tendon

NOTES:

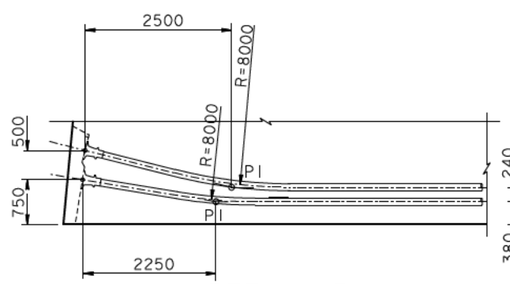
1. All W2 cap beam transverse tendons are ASTM A416 Grade 270 (fu=1860 MPa), low relaxation, 27-15 Dia seven wire strand PT, unless specified otherwise. For additional prestressing details, see "Prestressing Notes" sheet.
2. For Section A-A, see "W2 Cap Beam Post-Tensioning Details No.2" sheet.
3. For Sections B-B through E-E, see "W2 Cap Beam Post-Tensioning Details No.3" sheet.
4. For Sections F-F through J-J, see "W2 Cap Beam Post-Tensioning Details No.4" sheet.
5. For bikepath details near cap beam, see "Bikepath Details" sheets.
6. For PT blockout dimensions, see "W2 Cap Beam Blockout Details" sheets.
7. Jacking force in the W2 cap beam transverse tendons (CBT1-CBT36) shall be 5265 kN typical.
8. For general stressing sequence, see "Pier W2 Construction Sequence" sheet.
9. For "W2 Cap Beam Post-Tensioning Details" sheets, the Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
10. W2 cap beam elevations are to top of finished concrete and do not include overlay thickness.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN



TENDON DESIGNATION

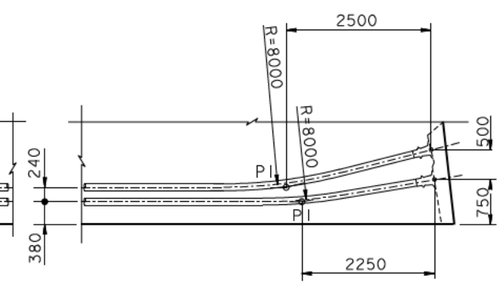
1:80



DETAIL B

1:50

(Tendons CBT1 and CBT5)
(Tendons CBT2 thru CBT8 similar)



DETAIL A

1:50

(Tendons CBT1 and CBT5)
(Tendons CBT2 thru CBT8 similar)

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

W2 CAP BEAM POST-TENSIONING DETAILS NO. 1

R. Valizadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 07/21/06

	BY	CHECKED
DESIGN	J. Sun	M. Chen
DETAILS	J. Duxbury	M. Chen
QUANTITIES	S. Shi	D. Harrison

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

R. Manzanarez
PROJECT ENGINEER

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

CU 04
EA 0120F1

Rev. Date: 5-18-98

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY) 09/28/99 05/31/01 09/28/02 01/31/02 12/19/02

SHEET 045R1 OF

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USERNAME => vignatovs DATE PLOTTED => 10 MAY 2007 TIME PLOTTED => 09:14:17

100 % PS&E