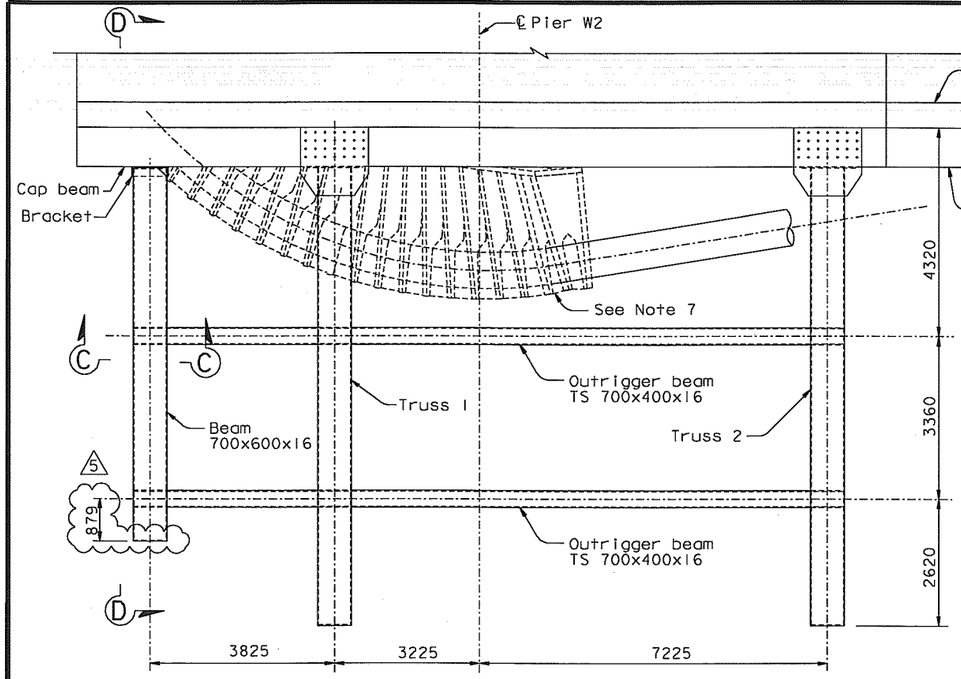
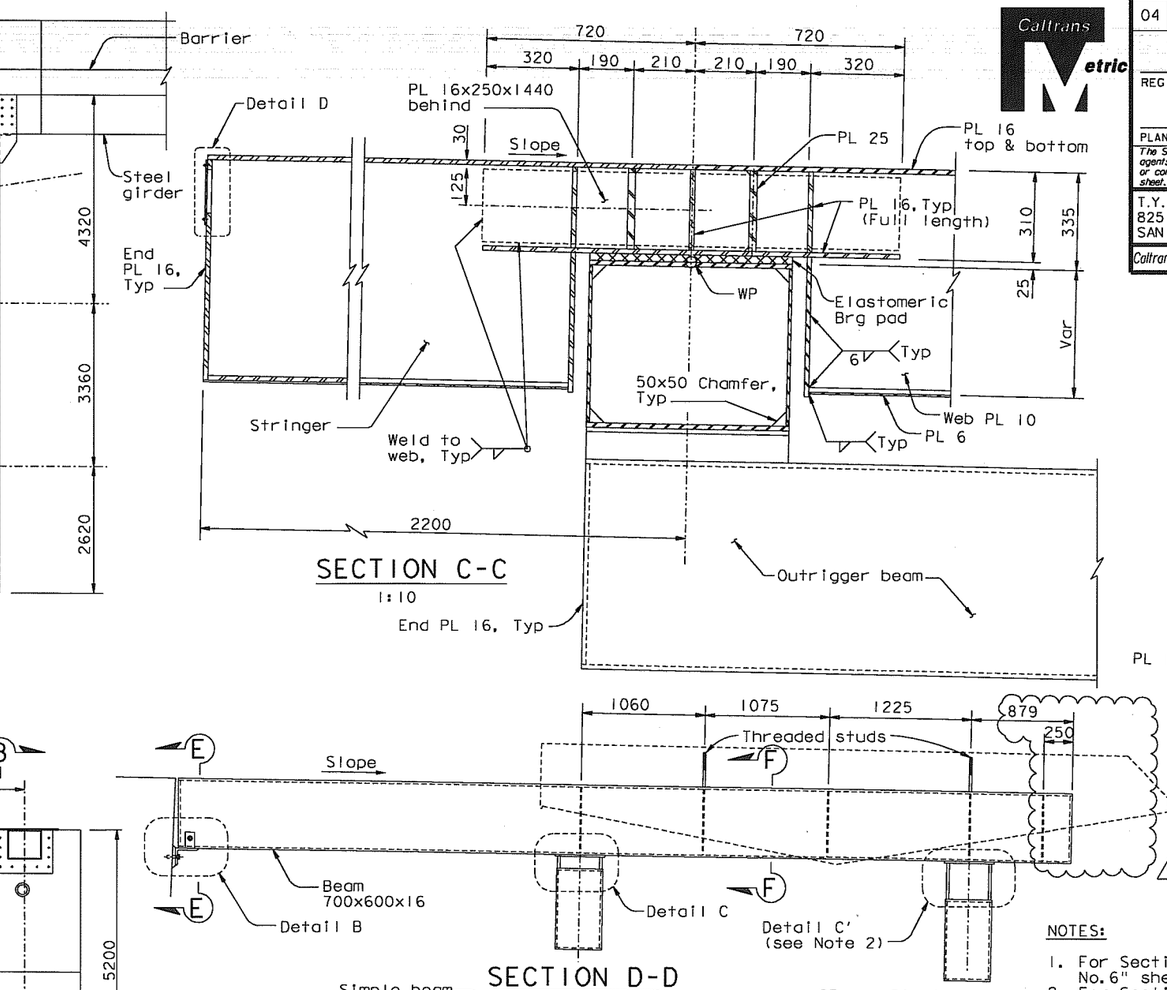


BIKEPATH PARTIAL PLAN AT CAP BEAM

1:60

NOTE: Stringer not shown, for clarity

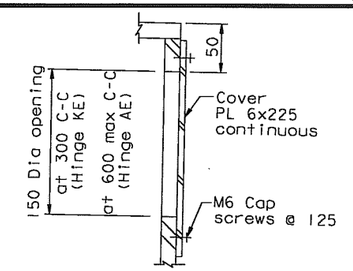


SECTION C-C

1:10

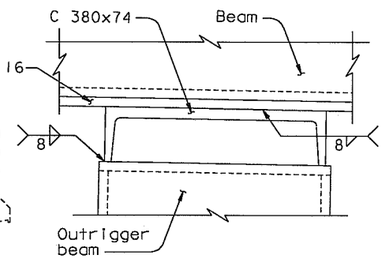
SECTION D-D

1:25



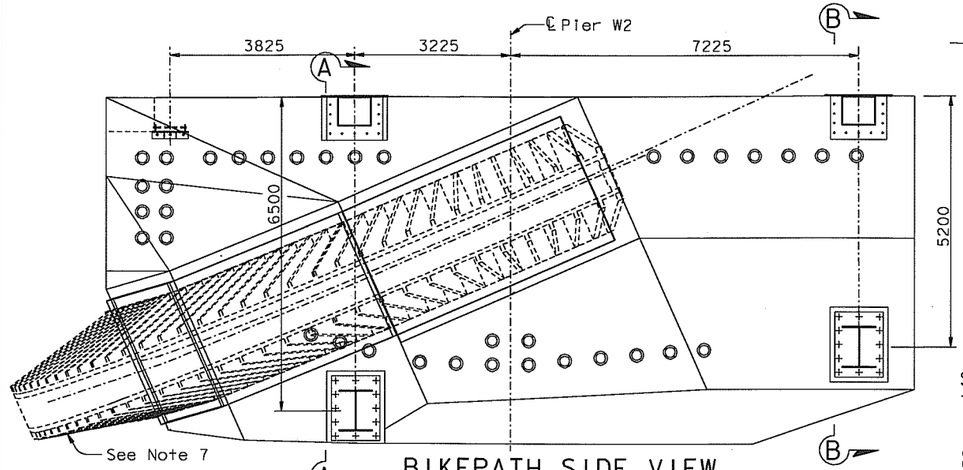
DETAIL D

1:3



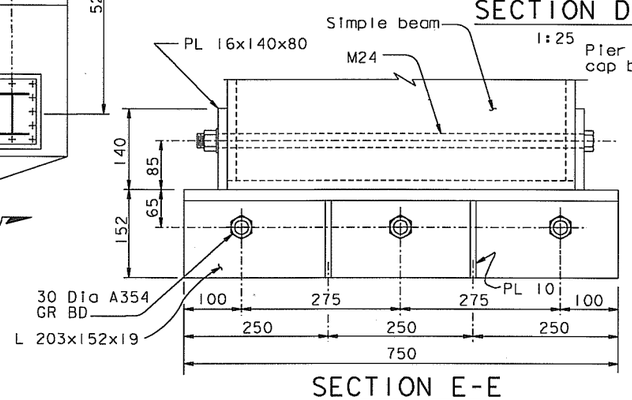
DETAIL C

1:5 (See Note 9)



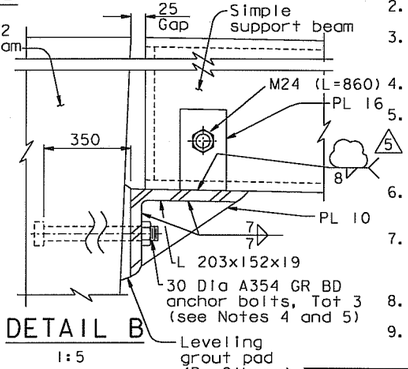
BIKEPATH SIDE VIEW

1:60



SECTION E-E

1:5



DETAIL B

1:5

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

NOTES:

1. For Section A-A, see "Bikepath Details No.6" sheet.
2. For Section B-B and Detail C', see "Bikepath Details No.7" sheet.
3. Cantilever Truss 1, Truss 2 and outrigger beams to be installed by Others after demolition of existing structure.
4. The tolerance for placement of the anchor bolts is ±25 mm.
5. The Contractor shall survey the as-built anchor bolt locations and prepare a template. This template shall be trial fit in the field prior to drilling the holes in the angle.
6. The Contractor shall furnish all anchor bolt components and shall provide corrosion protection covering exposed ends.
7. Views of the deviation saddle are for illustration only. For deviation saddle details, see "West Deviation Saddle Details" sheets.
8. For Section F-F, see "Bikepath Details No. 4A" sheet.
9. At the Contractor's option, Detail C' may be used in lieu of Detail C.

CONTRACT CHANGE ORDER NO. 172
SHEET 3 OF 10

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
5	02/16/11	MISCELLANEOUS BIKEPATH DETAILS	CC	TH	172
4	01/25/11	BIKEPATH STUD ISSUE	TH	CC	186
3	11/12/10	MISCELLANEOUS BIKEPATH DETAILS	CC	TH	172
2	08/20/10	BIKEPATH DETAILS	CC	TH	99
1	05/04/07	W2 CAP BEAM ISD RESOLUTION	AS	TH	34SI

REVISIONS

DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	829R5	1204

REGISTERED ENGINEER - CIVIL

12-6-04
PLANS APPROVAL DATE

Tien Hung Ho, No. C 43990, Exp. 6/30/11, CIVIL, State of California

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

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DESIGN	BY T. Ho	CHECKED T. McMeans	
DETAILS	BY R. Xu	CHECKED P. Ritchie	
QUANTITIES	BY C. Bernardo	CHECKED S. Shi	

PREPARED FOR THE STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

R. Manzanarez
PROJECT ENGINEER

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

R. Vaziadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 02/16/11

Rev. Date: 5-18-98

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

BIKEPATH DETAILS NO. 5

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

CU 04
EA 0120F1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY): 05/31/01 | 04/08/02 | 07/07/02 | 12/19/02 | 09/06/04 | 11/13/05

SHEET 412R5 OF

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100 % PS&E
DATE PLOTTED => 16 FEB 2011 TIME PLOTTED => 09:29:17
USERNAME => DWinrow

DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	830R3	1204

REGISTERED ENGINEER - CIVIL

12-6-04
PLANS APPROVAL DATE

Tien Hung Ho
No. C 43990
Exp. 6/30/11
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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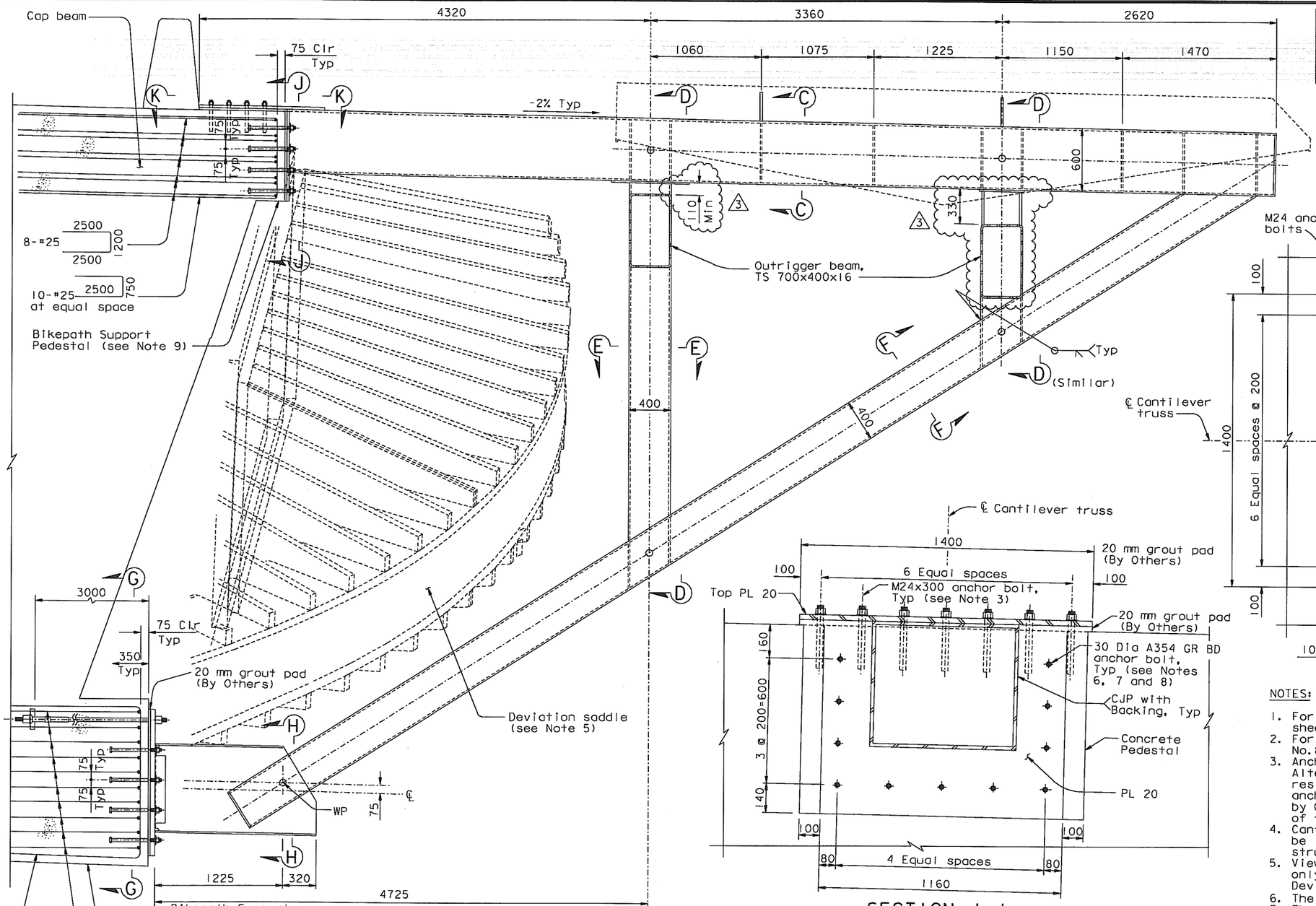
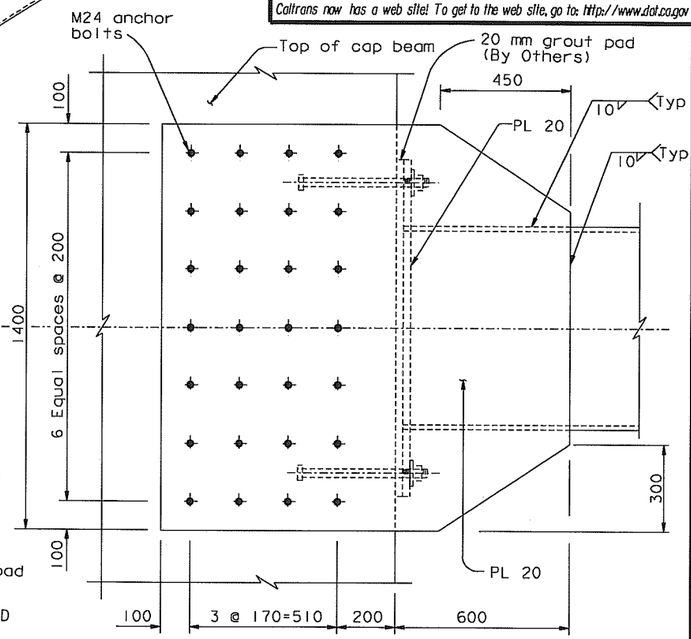


SECTION A-A
1:20

SECTION J-J
1:10



SECTION K-K
1:10

NOTES:

1. For outrigger beams, see "Bikepath Details No.8" sheet.
2. For Sections C-C through H-H, see "Bikepath Details No.8" sheet.
3. Anchor bolts shall be ASTM A345 Gr BC and grouted. Alternatively, the Contractor may provide M24x290 resin capsule anchors. Contractor shall furnish anchor bolts and core holes for their installation by Others. Installation of anchor bolts is not part of this contract.
4. Cantilever Truss 1, Truss 2 and outrigger beams to be installed by Others after demolition of existing structure.
5. Views of the deviation saddle are for illustration only. For deviation saddle details, see "West Deviation Saddle Details" sheets.
6. The tolerance for placement of anchor bolts is 25 mm.
7. The Contractor shall survey the as-built anchor bolt locations and prepare a template. This template shall be trial fit in the field prior to drilling the holes in the base plate.
8. The Contractor shall furnish all anchor bolt components and shall provide corrosion protection covering exposed ends.
9. The Contractor may pour the Bikepath Support Pedestals in two stages to suit his means and methods. Details shall be submitted to the Engineer for review and approval.

CONTRACT CHANGE ORDER NO. 172
SHEET 4 OF 10

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
3	11/12/10	MISCELLANEOUS BIKEPATH DETAILS	CC	TH	172
2	08/20/10	BIKEPATH DETAILS	CC	TH	99
1	05/04/07	W2 CAP BEAM ISD RESOLUTION	JD	TH	3451

REVISIONS

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

R. Valizadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 11/12/10

Rev. Date: 5-18-98

	BY	CHECKED
DESIGN	T. Ho	T. McMeans
DETAILS	R. Xu	P. Ritchie
QUANTITIES	C. Bernardo	S. Shi

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

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)									SHEET	OF
05/31/01	04/08/02	07/01/02	12/18/02	05/06/04	11/13/05				413R3	

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

BIKEPATH DETAILS NO. 6

100 % PS&E

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DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	831R3	1204

REGISTERED ENGINEER - CIVIL

12-6-04
PLANS APPROVAL DATE

Tien Hung Ho
No. C 43990
Exp. 6/30/11
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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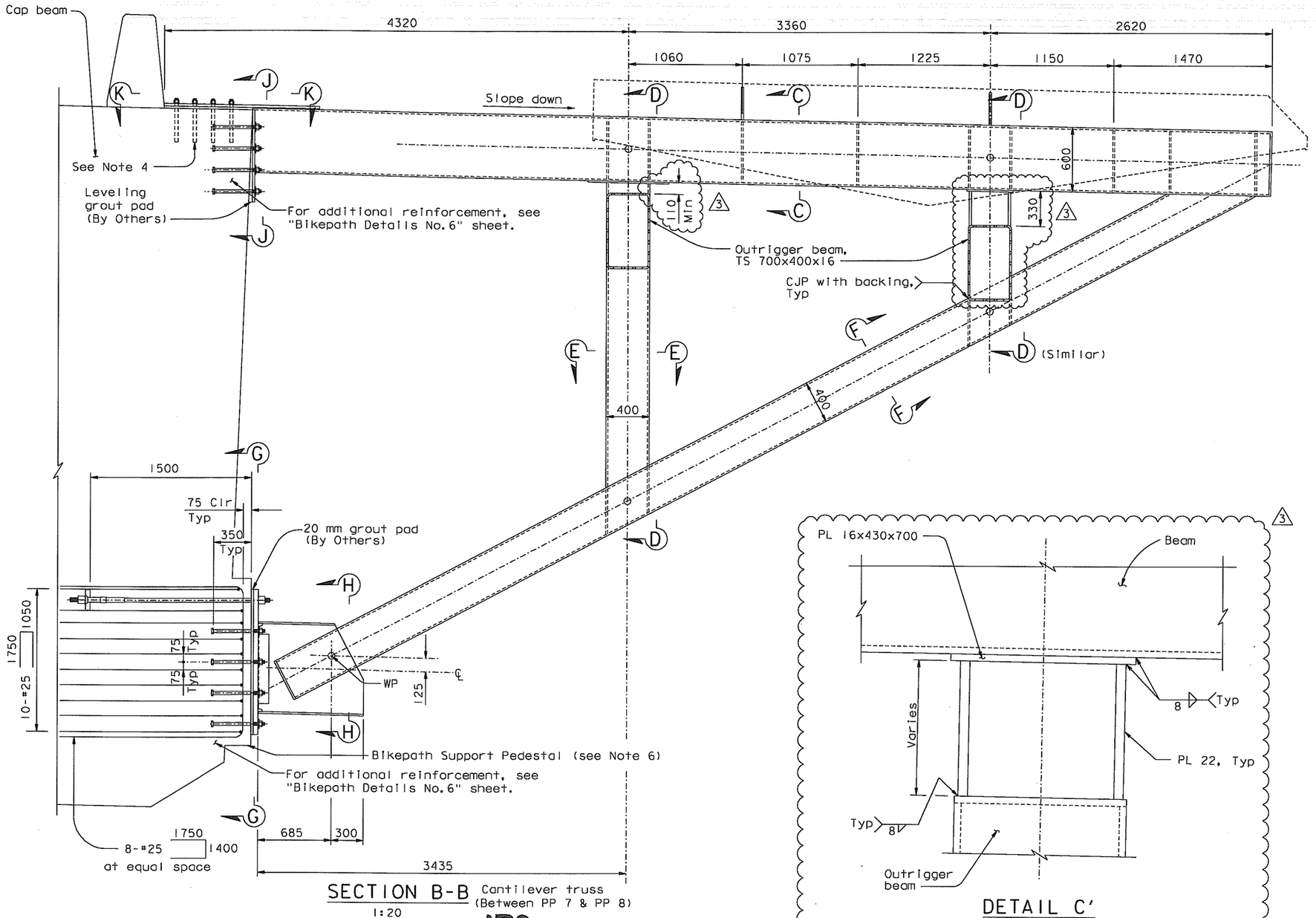

SECTION B-B Cantilever truss (Between PP 7 & PP 8)
1:20

DETAIL C'
1:5

NOTES:

1. For outrigger truss, see "Bikepath Details No.8" sheet.
2. For Sections J-J and K-K, see "Bikepath Details No.6" sheet.
3. For Sections C-C through H-H, see "Bikepath Details No.8" sheet.
4. Anchor bolts shall be ATM A345 Gr BC and grouted. Alternatively, the Contractor may provide M24x290 resin capsule anchors. Contractor shall furnish anchor bolts and core holes for their installation by Others. Installation of anchor bolts is not part of this Contract.
5. Cantilever Truss 1, Truss 2 and outrigger beam to be installed by Others after demolition of existing structure.
6. The Contractor may pour the Bikepath Support Pedestals in two stages to suit his means and methods. Details shall be submitted to the Engineer for review and approval.

CONTRACT CHANGE ORDER NO. 172
SHEET 5 OF 10

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	REVISIONS	BY	CH'D	CCO#
3	11/12/10	MISCELLANEOUS BIKEPATH DETAILS	CC	TH	172
2	08/20/10	BIKEPATH DETAILS	CC	TH	99
1	05/04/07	W2 CAP BEAM ISD RESOLUTION	JD	TH	34SI

R. Valizadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 11/12/10

Rev. Date: 5-18-98

DESIGN	BY T. Ho	CHECKED T. McMeans
DETAILS	BY R. Xu	CHECKED P. Ritchie
QUANTITIES	BY C. Bernardo	CHECKED S. Shi

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

R. Manzanarez
PROJECT ENGINEER

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

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

CU 04
EA 0120F1

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)

BIKEPATH DETAILS NO. 7

DISREGARD PRINTS BEARING EARLIER REVISION DATES →
REVISION DATES (PRELIMINARY STAGE ONLY): 05/27/01 | 09/28/02 | 01/29/02 | 12/19/02 | 11/13/05

SHEET 414R3 OF

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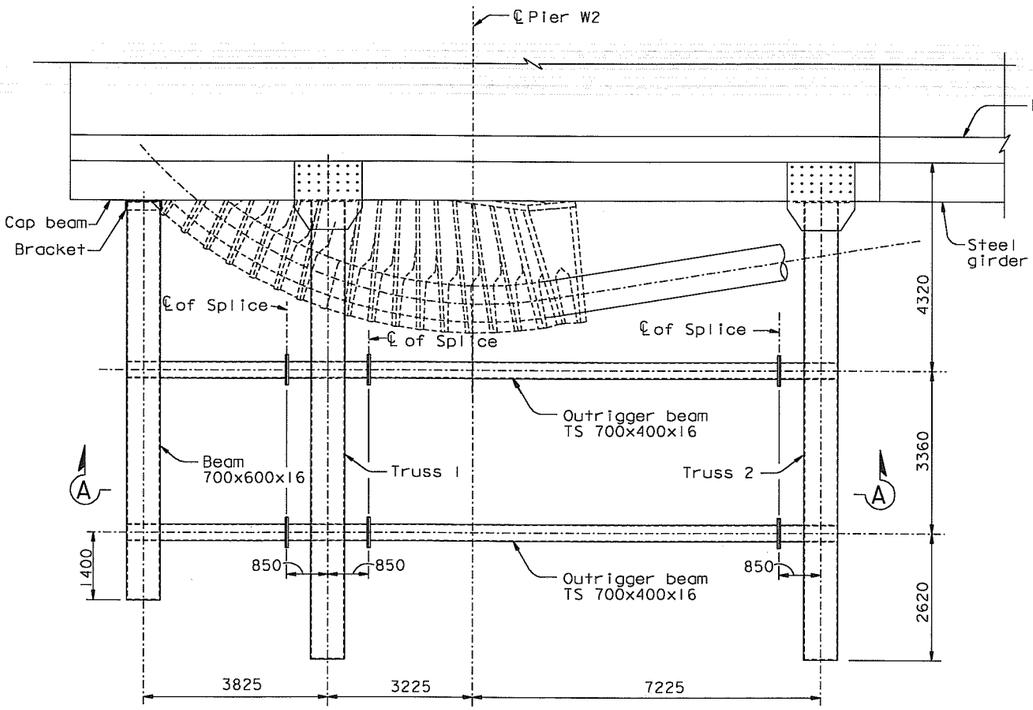
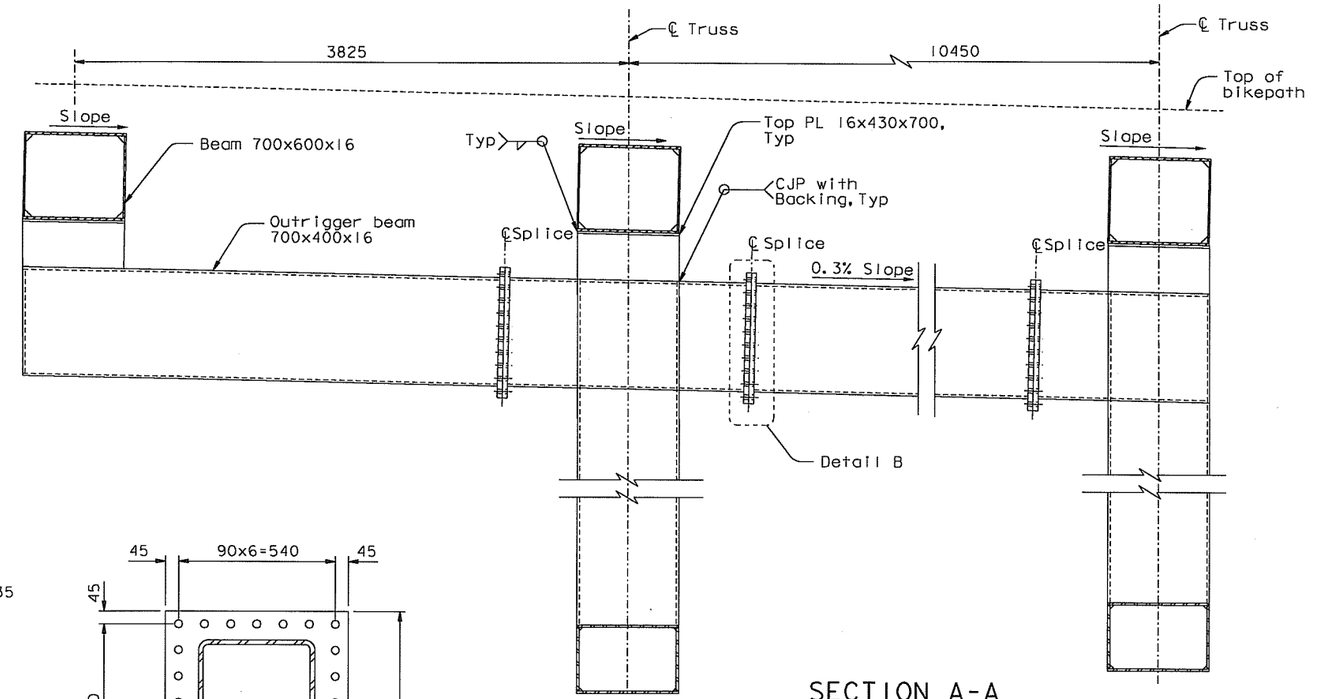


BIKEPATH PARTIAL PLAN AT CAP BEAM
BOLTED SPLICE ALTERNATIVE

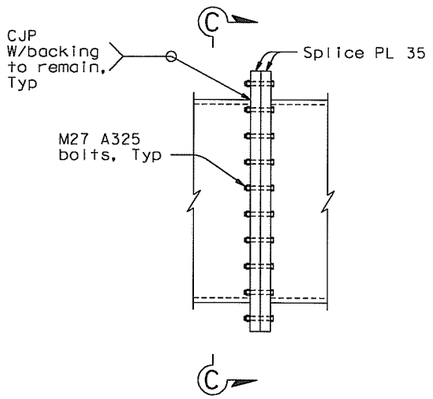
1:60

NOTE: Stringer not shown, for clarity



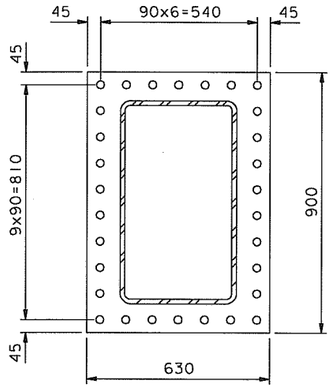
SECTION A-A

1:20



DETAIL B

1:10



SECTION C-C

1:10

CONTRACT CHANGE ORDER NO. 172
SHEET 6 OF 10

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	832SI	1204

Caltrans Metric

REGISTERED ENGINEER - CIVIL

11-12-10
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER — Tien Hung Ho — No. C 43990 — Exp. 6/30/11 — CIVIL — STATE OF CALIFORNIA

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825 BATTERY STREET
SAN FRANCISCO, CA 94111

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MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
		REVISIONS			
0	11/12/10	MISCELLANEOUS BIKEPATH DETAILS	TH	JD	172

R. Vallizadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 11/12/10

	BY	CHECKED
DESIGN	T. Ho	J. Duxbury
DETAILS	T. Ho	J. Duxbury
QUANTITIES	T. Ho	J. Duxbury

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

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

BIKEPATH DETAILS NO. 8A

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): 11/12/10

SHEET 415SI OF

FILE => I:\bb\04-012001\sas\contract plans and cco\cco\cco#172\1-original 11-12-10\dgn\agbwd08a.dgn

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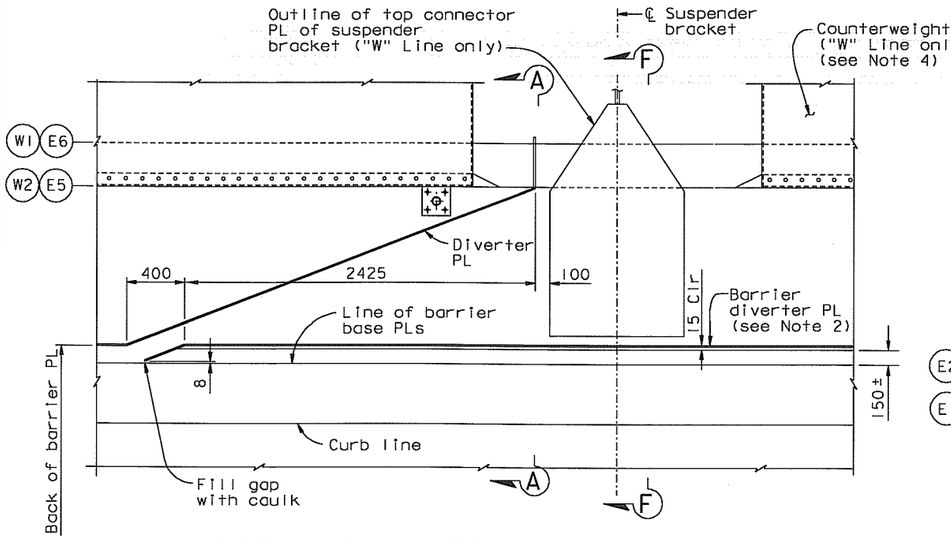
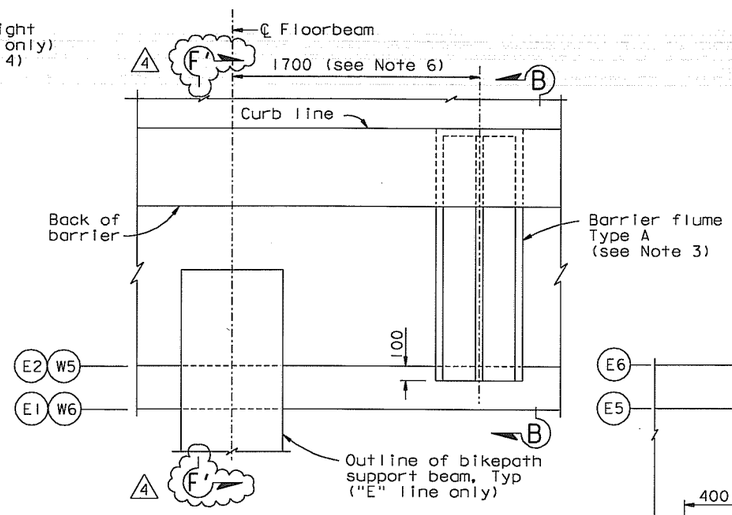
USERNAME => DWinrow



("W" Line girder shown. "E" Line girder similar UNO)

TYPICAL DRAINAGE PLAN TYPE 1

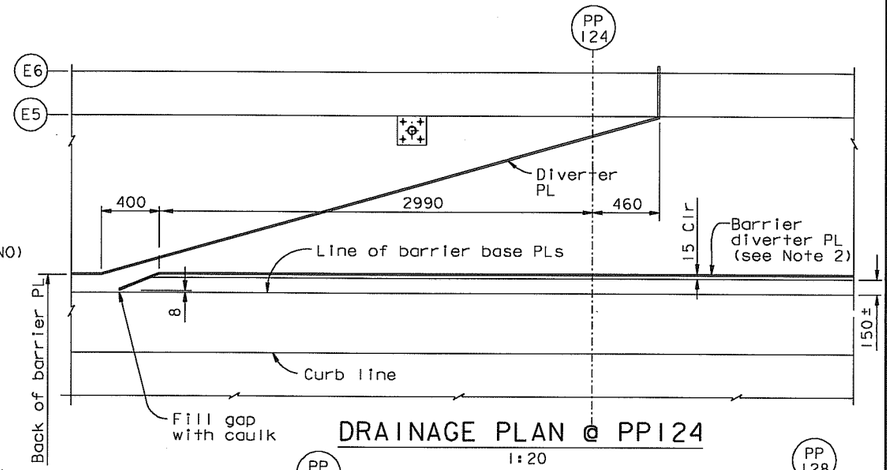
1:20 (See Notes 3 & 5)



("E" Line girder shown. "W" Line girder similar UNO)

TYPICAL DRAINAGE PLAN TYPE 2

1:20 (See Note 3)

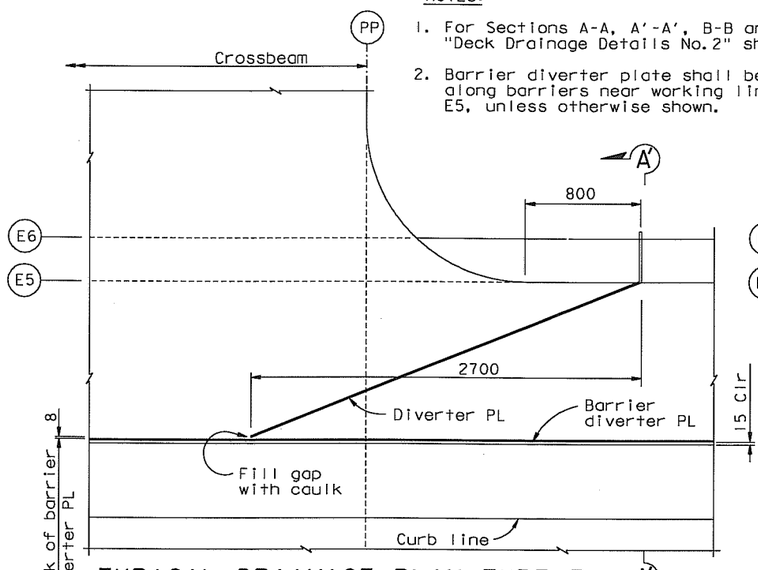


DRAINAGE PLAN @ PP124

1:20

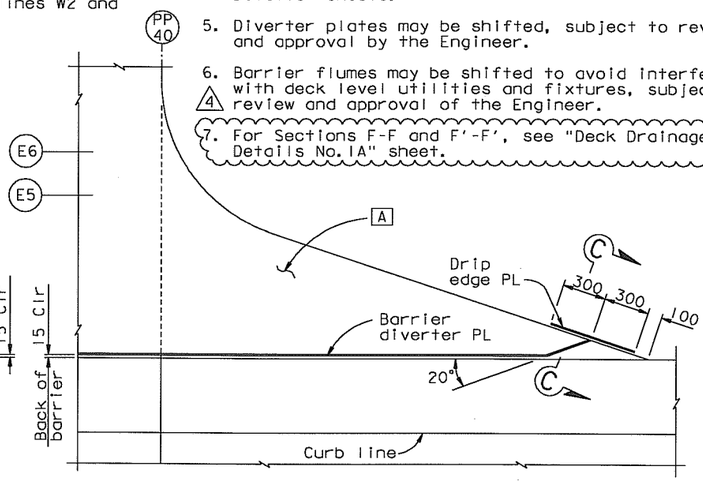
NOTES:

1. For Sections A-A, A'-A', B-B and C-C, see "Deck Drainage Details No.2" sheet.
2. Barrier diverter plate shall be continuous along barriers near working lines W2 and E5, unless otherwise shown.
3. For barrier flume details and locations of drainage types 1, 2 and 3, see "Deck Drainage Details No.3" sheet.
4. For Counterweight details, see "Typical Girder Details" sheets.
5. Diverter plates may be shifted, subject to review and approval by the Engineer.
6. Barrier flumes may be shifted to avoid interferences with deck level utilities and fixtures, subject to review and approval of the Engineer. (4)
7. For Sections F-F and F'-F', see "Deck Drainage Details No.1A" sheet.



TYPICAL DRAINAGE PLAN TYPE 3

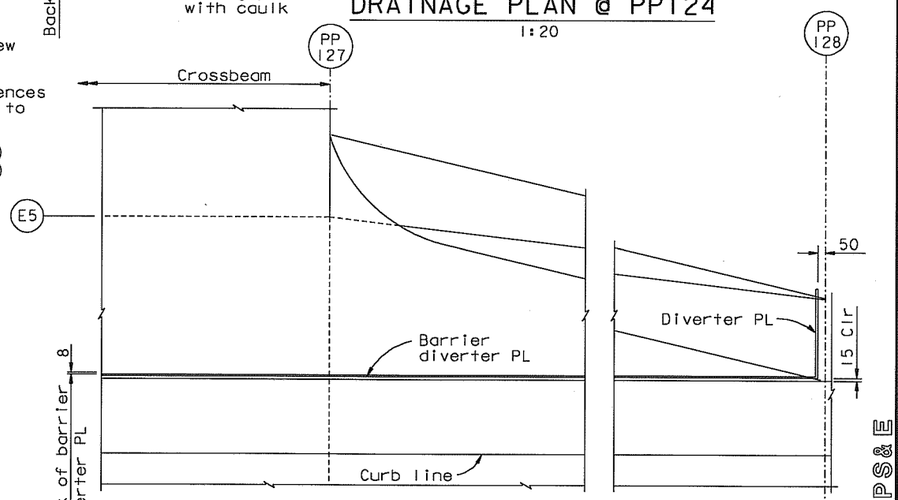
1:20 (See Notes 3 & 5)



AT "E" LINE PP40 ONLY

DRAINAGE PLAN TYPE 4

1:20



DRAINAGE PLAN @ PP 127

1:20

CONTRACT CHANGE ORDER NO. 172

SHEET 7 OF 10

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	REVISIONS	BY	CH'D	CCO#
4	11/12/10	MISCELLANEOUS BIKEPATH DETAILS	CC	DT	172
3	10/30/09	MOD. SUSP. BRACKETS & CABLE SYSTEM	CC	DT	37
2	04/18/08	BARRIER MODIFICATIONS	AS	DT	44
1	08/24/07	BARRIER MODIFICATIONS	GB	DT	44

	BY	CHECKED
DESIGN	G. Baker	T. Ho
DETAILS	D. Turner	T. Ho
QUANTITIES	G. Baker	D. Harrison

R. Vallizadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
Ryan Vallizadeh / Vong Toan / Y. Liu
SIGN OFF DATE 11/12/10

Rev. Date: 5-18-98

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

R. Manzanarez
PROJECT ENGINEER

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

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

CU 04
EA 0120F1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

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

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

DECK DRAINAGE DETAILS NO. 1

REVISION DATES (PRELIMINARY STAGE ONLY): 05/17/99 | 09/27/99 | 05/31/01 | 04/09/02 | 07/01/02 | 12/19/02

SHEET 459R4 OF

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DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	876R4	1204

George Baker
REGISTERED ENGINEER - CIVIL

12-6-04
PLANS APPROVAL DATE

George S. Baker No. C57112 Exp. 12/31/05 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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Daniel J. Turner No. C 65033 Exp. 06/30/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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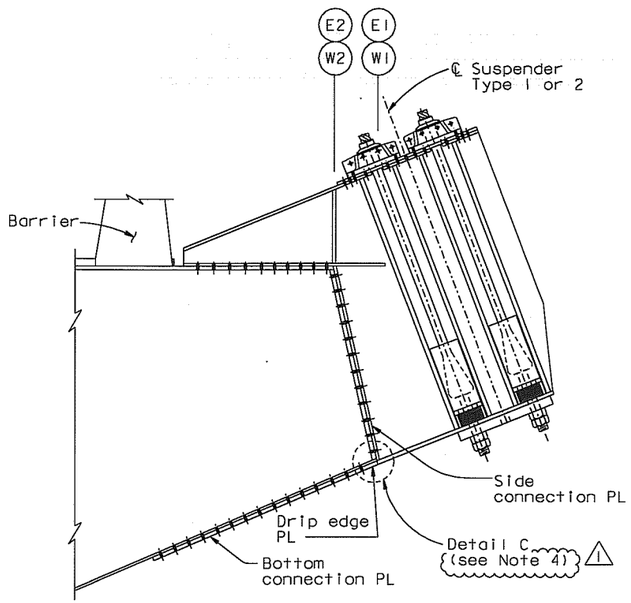
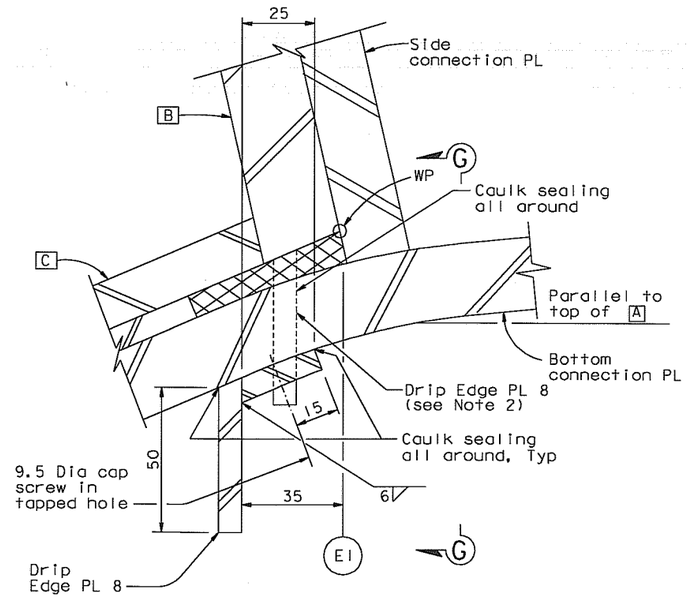


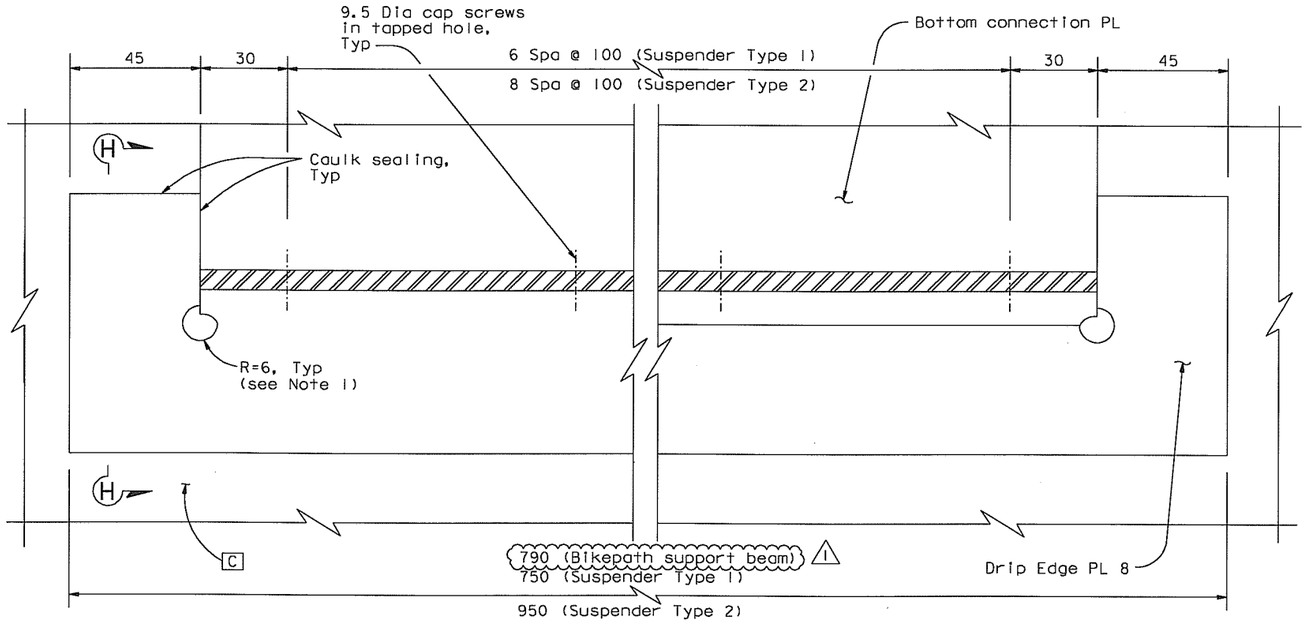
SECTION F-F (Section F'-F' Similar) (See Note 3)

1:20



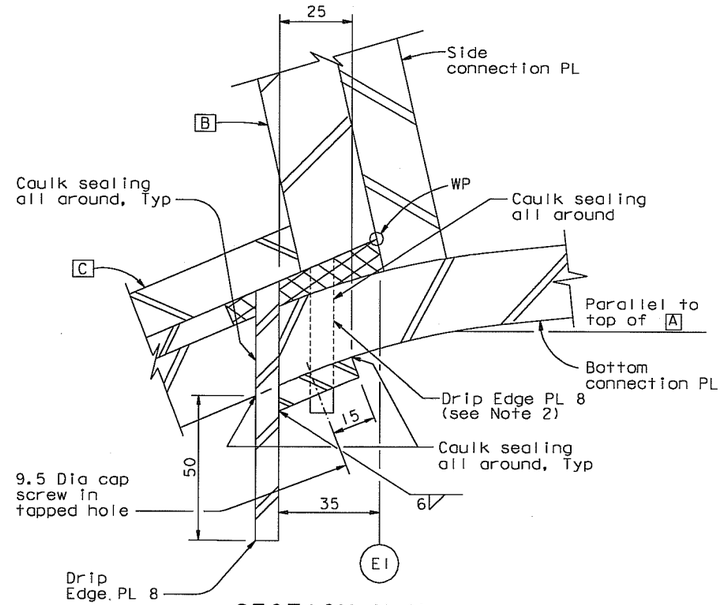
DETAIL C (See Note 4)

1:1



VIEW G-G

1:1



SECTION H-H

1:1

NOTES:

1. Round cope is provided for Contractor's fabrication and is optional. The cope shall be filled with caulk after drip edge PL installation.
2. Drip edge PL 8 welded to Girder Face C terminates at suspender bracket or bikepath cantilever beam where applicable. Caulk sealing shall be applied all around the termination. (See also Alternative Details on "Deck Drainage Details No.1B" sheet.
3. Section F'-F' is at location of bikepath support beam (E Line only).
4. Use detail at bikepath odd number panel points, from PP 9 to PP 111 and PP 117. For PP 113 and PP 115, see "Alternative Detail C" on "Deck Drainage Details No.1C" sheet.

DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	876SIR1	1204

REGISTERED ENGINEER - CIVIL

10-30-09

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER — James P. Duxbury — No. C 64677 — Exp. 06/30/11 — CIVIL — STATE OF CALIFORNIA

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

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CONTRACT CHANGE ORDER NO. 172
SHEET 8 OF 10

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
		REVISIONS			
1	11/12/10	MISCELLANEOUS BIKEPATH DETAILS	CC	JD	172
0	10/30/09	MOD. SUSP. BRACKETS & CABLE SYSTEM	CC	JD	37

	BY	CHECKED
DESIGN	C. Choi	J. Duxbury
DETAILS	C. Choi	J. Duxbury
QUANTITIES	C. Choi	J. Duxbury

R. Vallizadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 11/12/10

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

R. Manzanarez
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)

DECK DRAINAGE DETAILS NO. 1A

Rev. Date: 5-18-98

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

CU 04
EA 0120F1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY) 10/30/09

SHEET 459SIR1 OF

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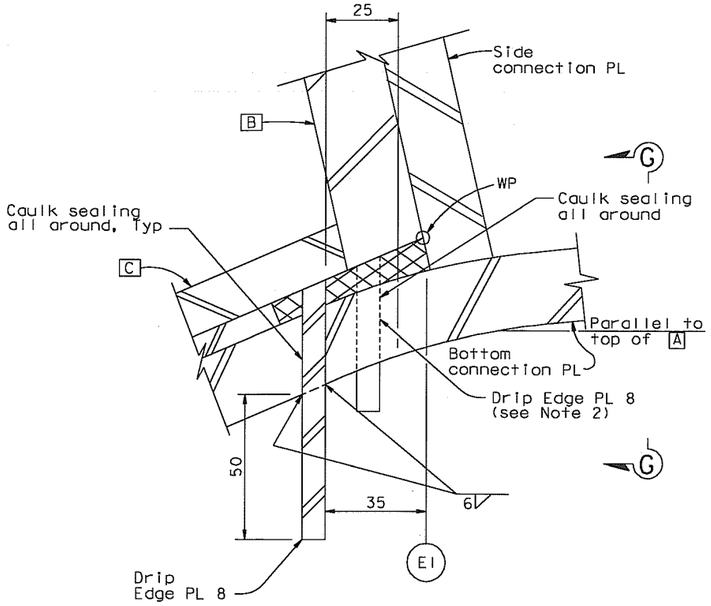

ALTERNATIVE DETAIL C (WELDED OPTION)

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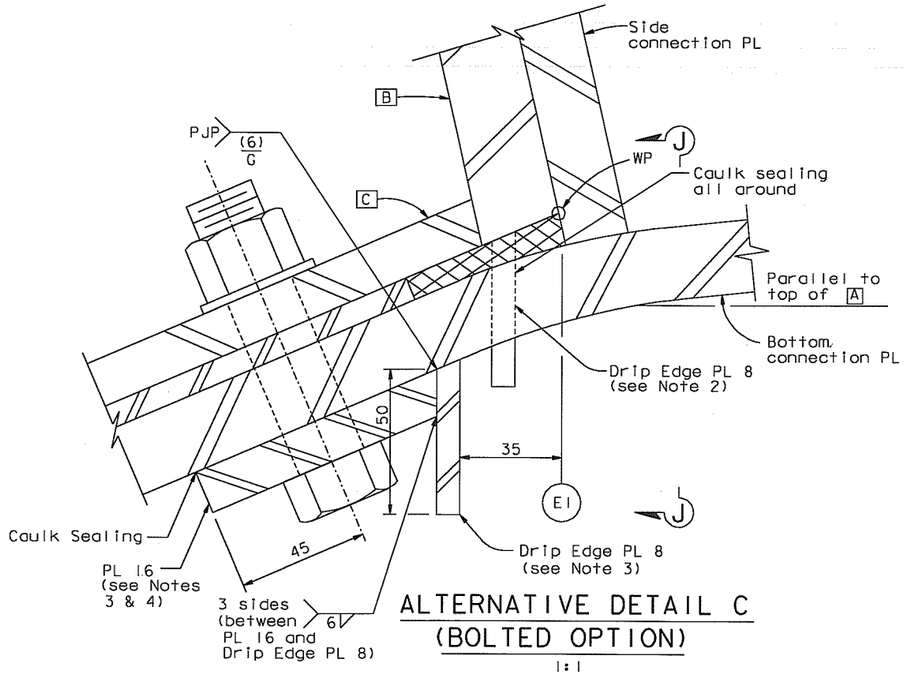

ALTERNATIVE DETAIL C (BOLTED OPTION)

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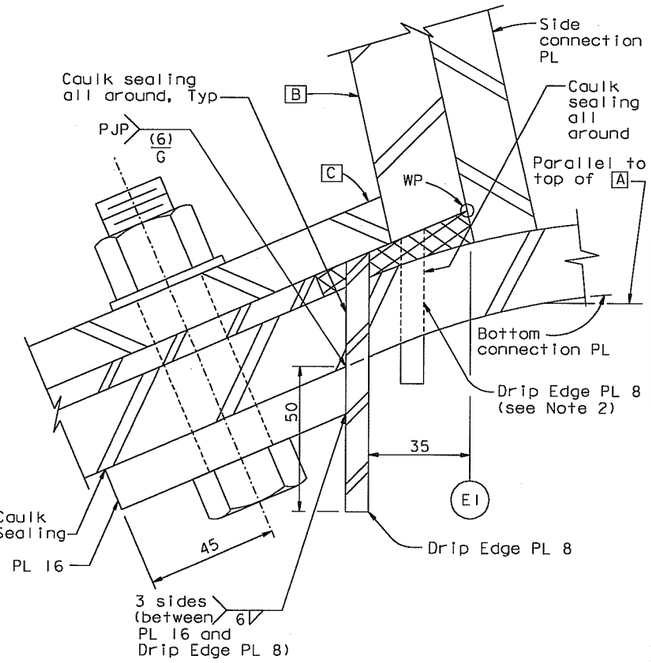

SECTION K-K

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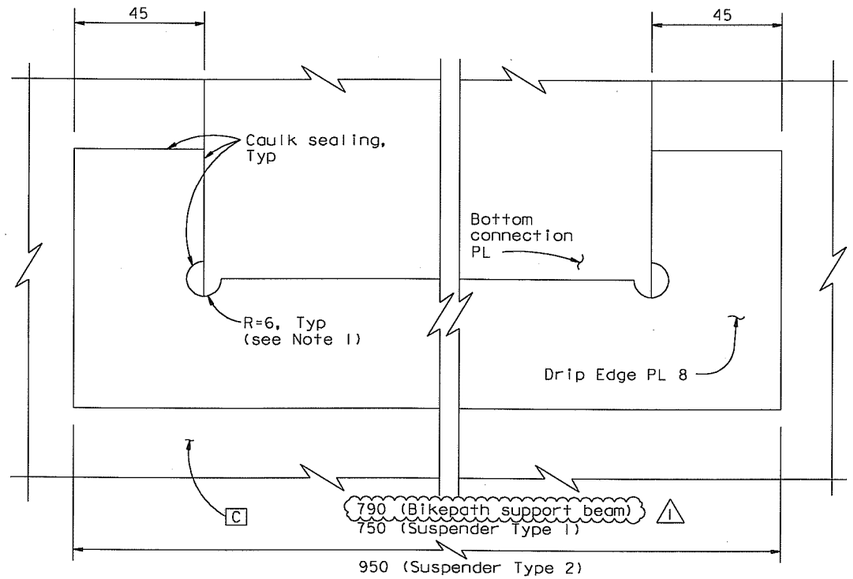
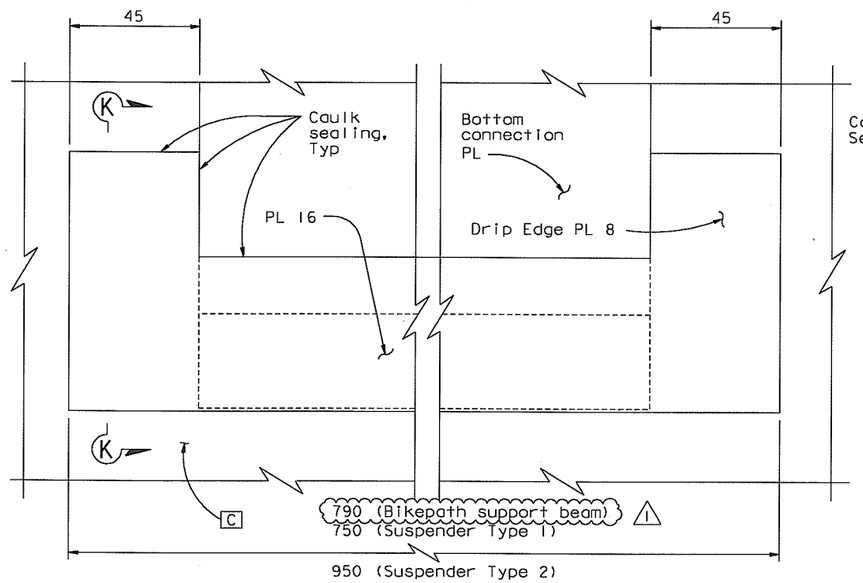


VIEW G-G

1:1



VIEW J-J

1:1

NOTES:

1. At the Contractor's option, "Alternative Detail C" may be used in lieu of "Detail C" on "Deck Drainage Details No.1A" sheet. For Bikepath PP 113 & PP 115, see "Alternative Detail C" on "Deck Drainage Details No.1C" sheet.
2. Drip edge PL 8 welded to Girder Face C terminates at suspender bracket or Bikepath cantilever beam where applicable. Caulk sealing shall be applied all around the termination.
3. PL 16 and drip edge PL 8 shall be pre-assembled prior to field installation.
4. At the Contractor's option, short-slotted holes or standard oversized holes are acceptable in Drip Edge PL 8, provided hardened washers are used.

CONTRACT CHANGE ORDER NO. 172
SHEET 9 OF 10

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	876S2R1	1204

REGISTERED ENGINEER - CIVIL

04-02-10
PLANS APPROVAL DATE

James P. Duxbury No. C 64677 Exp. 06/30/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
1	11/12/10	MISCELLANEOUS BIKEPATH DETAILS	CC	JD	172
0	04/02/10	MOD. SUSP. BRACKETS & CABLE SYSYTEM	CC	JD	37

REVISIONS

DESIGN BY C. Choi CHECKED J. Duxbury
DETAILS BY C. Choi CHECKED J. Duxbury
QUANTITIES BY C. Choi CHECKED J. Duxbury

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

R. Manzanarez
PROJECT ENGINEER

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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)

DECK DRAINAGE DETAILS NO. 1B

R. Vallzadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 11/12/10

Rev. Date: 5-18-98

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

CU 04
EA 0120F1

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY): 04/02/10

SHEET 45952R1 OF

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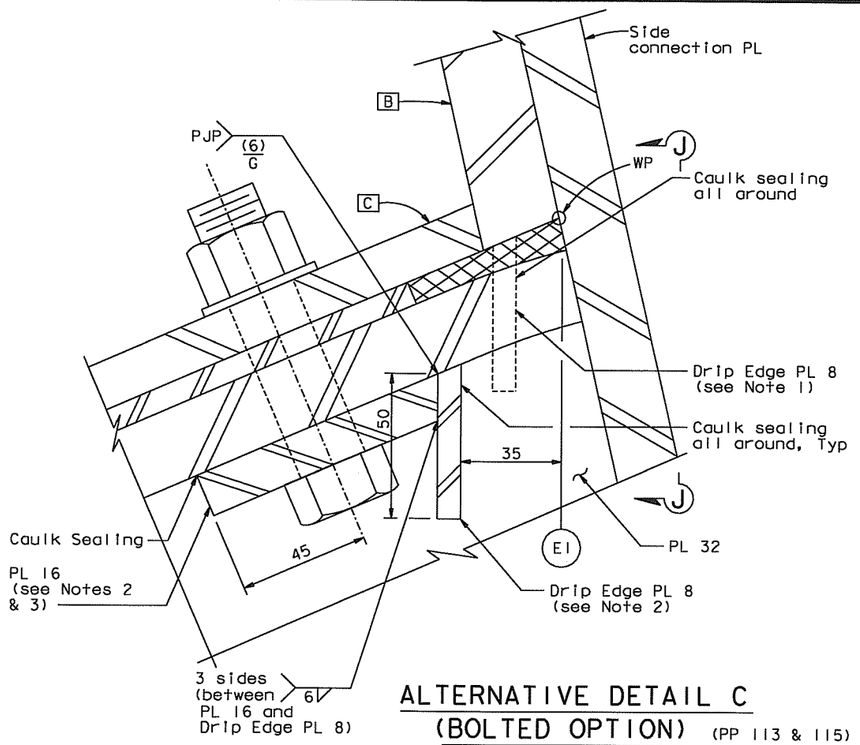

ALTERNATIVE DETAIL C (BOLTED OPTION) (PP 113 & 115)

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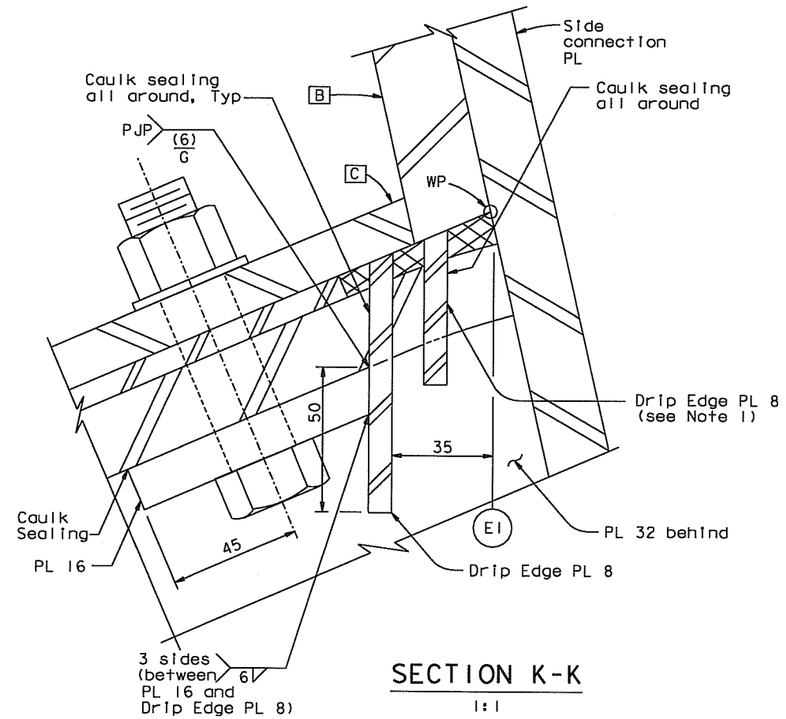

SECTION K-K

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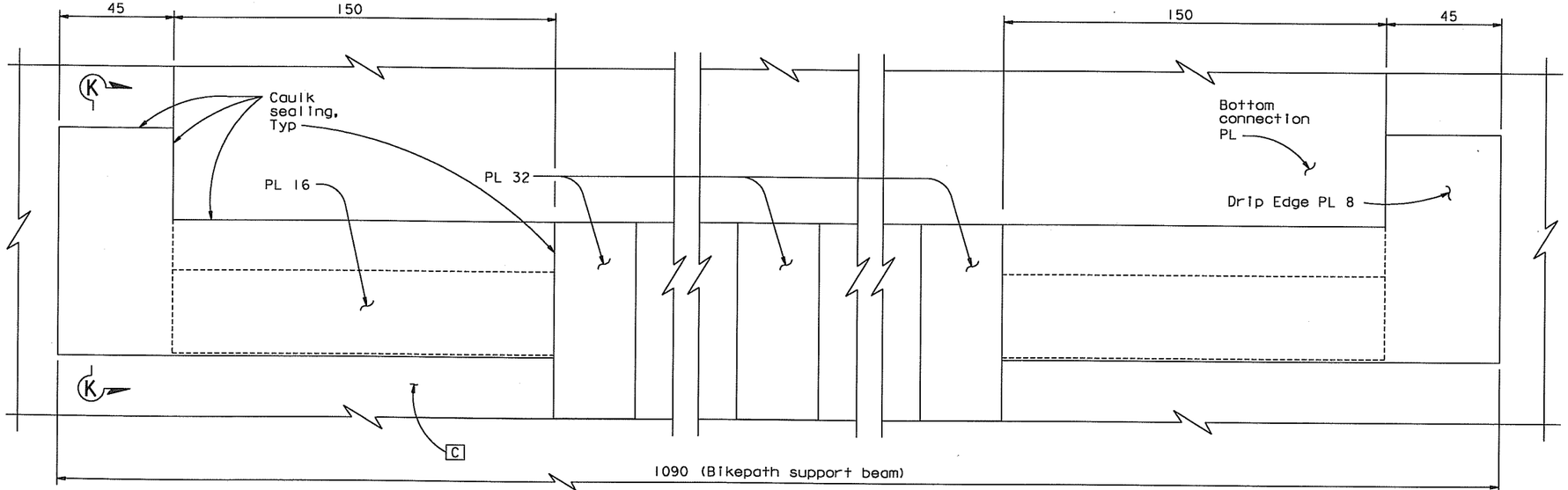

VIEW J-J

1:1

NOTES:

1. Drip Edge PL 8 welded to Girder Face C terminates at bikepath cantilever beam. Caulk sealing shall be applied all around the termination.
2. PL 16 and Drip Edge PL 8 shall be pre-assembled prior to field installation.
3. At the Contractor's option, short-slotted holes or standard oversized holes are acceptable in Drip Edge PL 8, provided hardened washers are used.

CONTRACT CHANGE ORDER NO. 172
SHEET 10 OF 10

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	876S3	1204

REGISTERED ENGINEER - CIVIL

11-12-10
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MARK	DATE	REVISIONS	BY	CH'D	CCO#
0	11/12/10	MISCELLANEOUS BIKEPATH DETAILS	RB	JD	172

	BY	CHECKED
DESIGN	R. Boundouki	J. Duxbury
DETAILS	R. Boundouki	J. Duxbury
QUANTITIES	R. Boundouki	J. Duxbury

R. Vallzadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 11/12/10

Rev. Date: 5-18-98

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

R. Manzanarez
PROJECT ENGINEER

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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)

DECK DRAINAGE DETAILS NO. 1C

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

CU 04
EA 0120F1

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