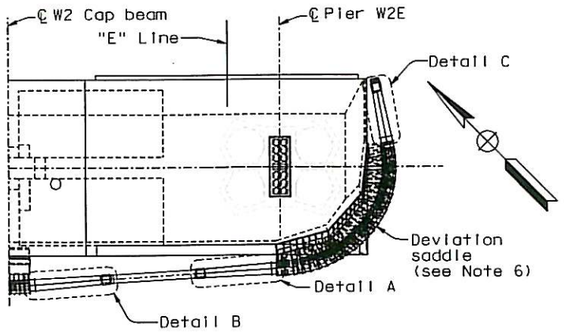
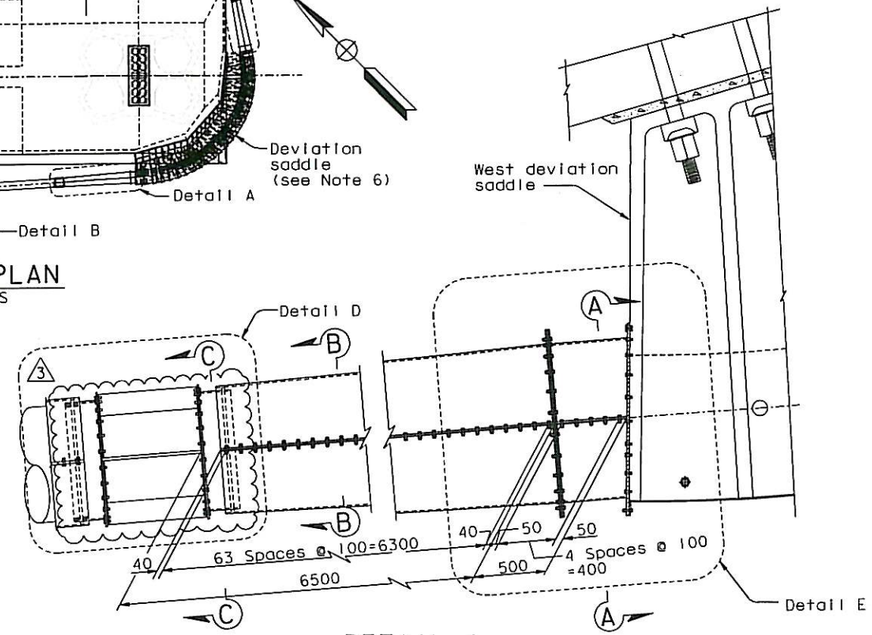


KEY PLAN
NTS



DETAIL A
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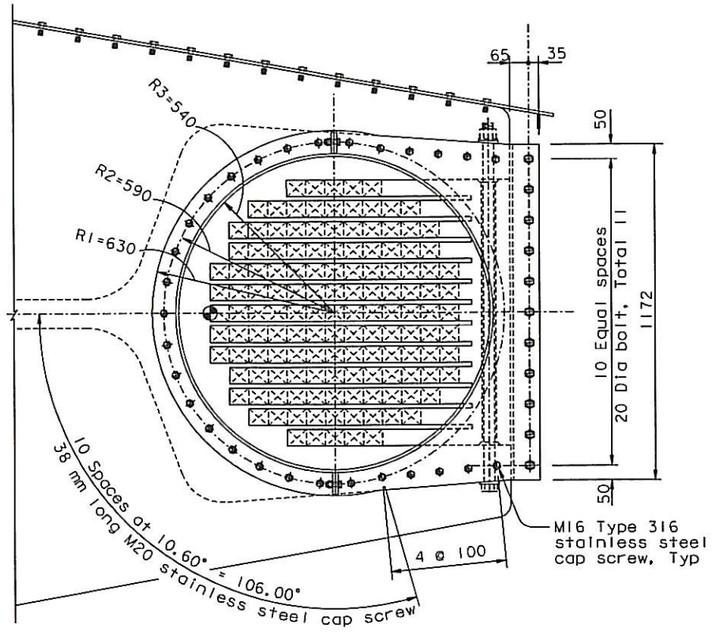
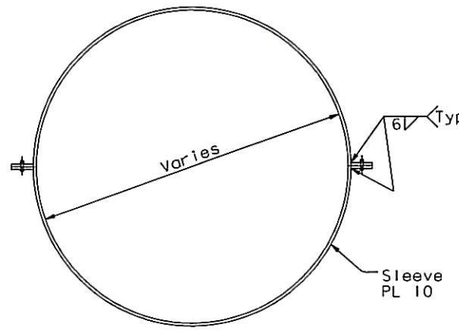
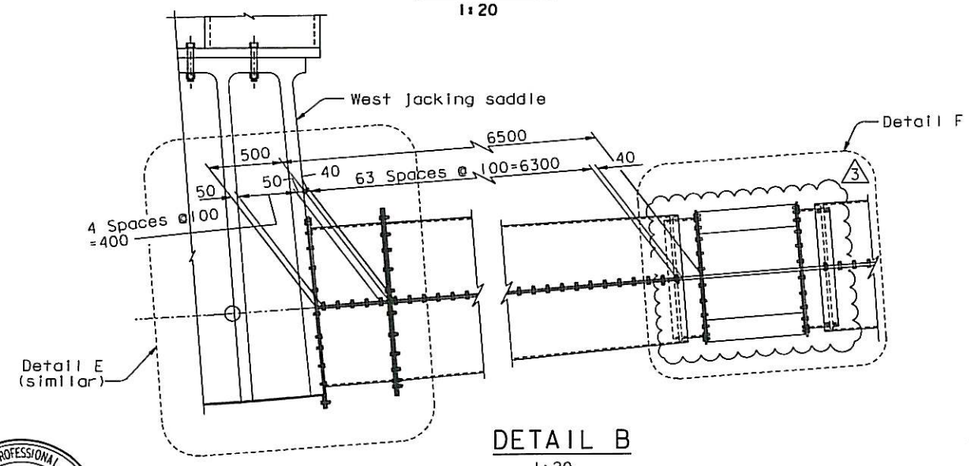


SECTION A-A (Project to deviation saddle face)
1:10



SECTION B-B
1:10



DETAIL B
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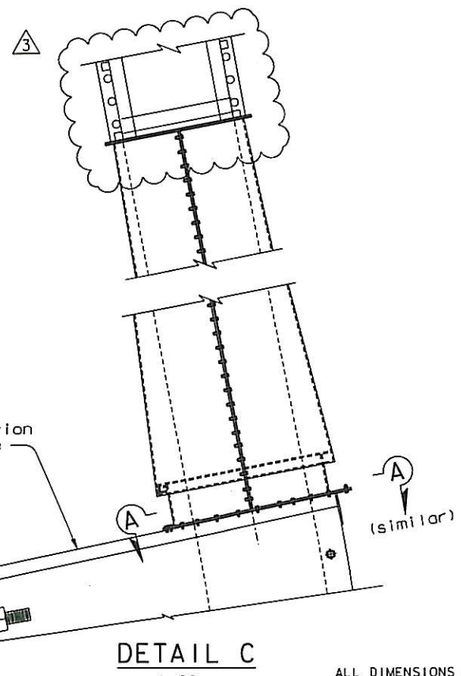
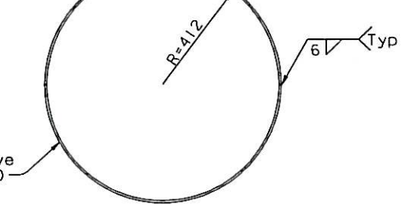


DETAIL C
1:20



SECTION C-C
1:10

NOTES:

1. For Details D through F, see "West Cable Shroud Details No. 2" sheet.
2. All details, except the key plan, are presented in the plan of looping anchorage cable.
3. For details not shown in Detail C, see "Tower Cable Shroud Details" sheet.
4. West cable shroud details shown are "E" Line, "W" Line similar.
5. All plate shall be ASTM A709M Grade 345, unless specified otherwise.
6. Views of the deviation saddle are for illustration only. For deviation saddle details, see "West Deviation Saddle Details" sheets.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

Caltrans Metric

DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	807R3	1204

REGISTERED ENGINEER - CIVIL

12-6-04
PLANS APPROVAL DATE

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

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3 REVISION 3 SUPERSEDES REVISION 2

CONTRACT CHANGE ORDER NO. 18551
SHEET 2 OF 5

REGISTERED PROFESSIONAL ENGINEER — Jonathan P. Duxbury — No. C 64677 — Exp. 06/30/13 — CIVIL — STATE OF CALIFORNIA

FOR REVISIONS ONLY

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
3	08/31/12	SUSPENSION CABLE MISCELLANEOUS DETAILS	GB	JD	18551
2	12/02/11	SUSPENSION CABLE MISCELLANEOUS DETAILS	GB	JD	185
1	04/20/07	WEST ANCHORAGE ACCESS DETAILS	JD	AS	28

REVISIONS

	BY	CHECKED
DESIGN	J. Sun	T. McMeans
DETAILS	J. Duxbury	T. McMeans
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

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

WEST CABLE SHROUD DETAILS NO. 1

R. Vallzadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 08/31/12

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): 05/25/99 | 05/31/01 | 04/26/02 | 07/29/02 | 12/13/02 | 09/26/04 | 12/01/05

SHEET 390R3 OF

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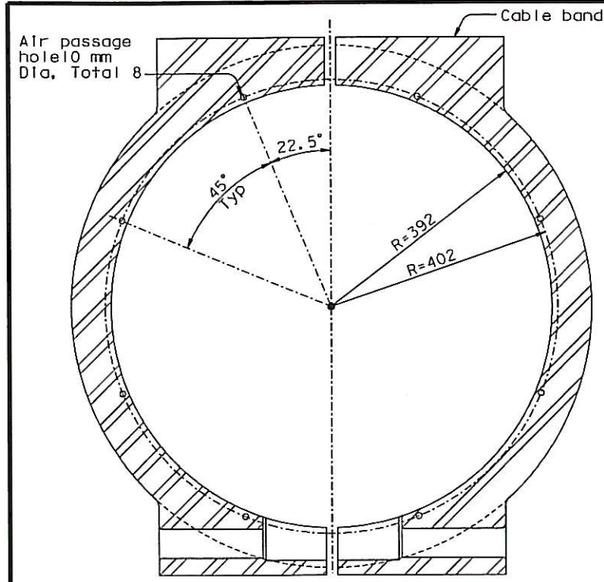

SECTION D-D
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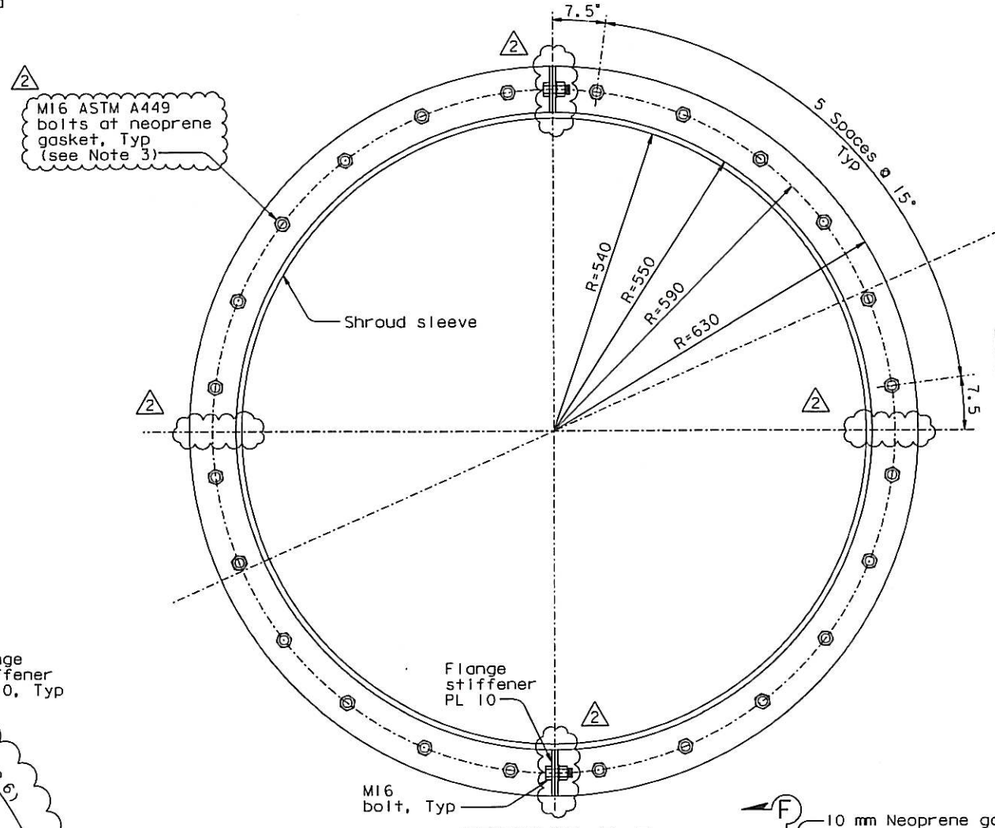

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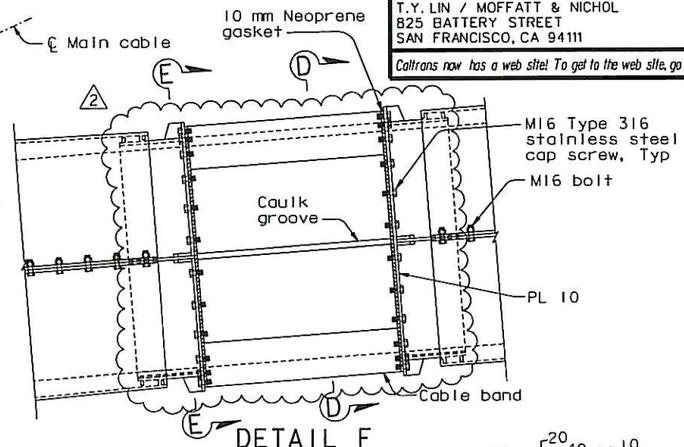
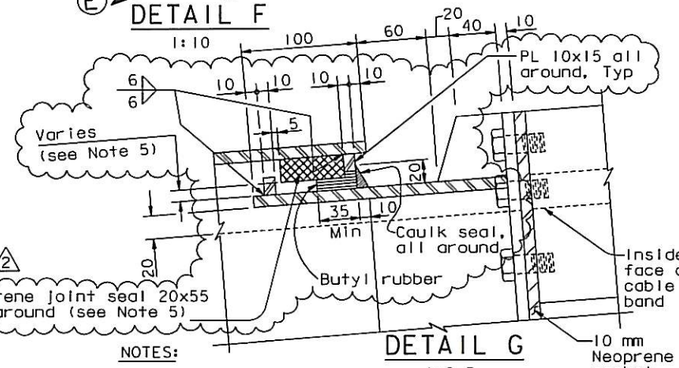
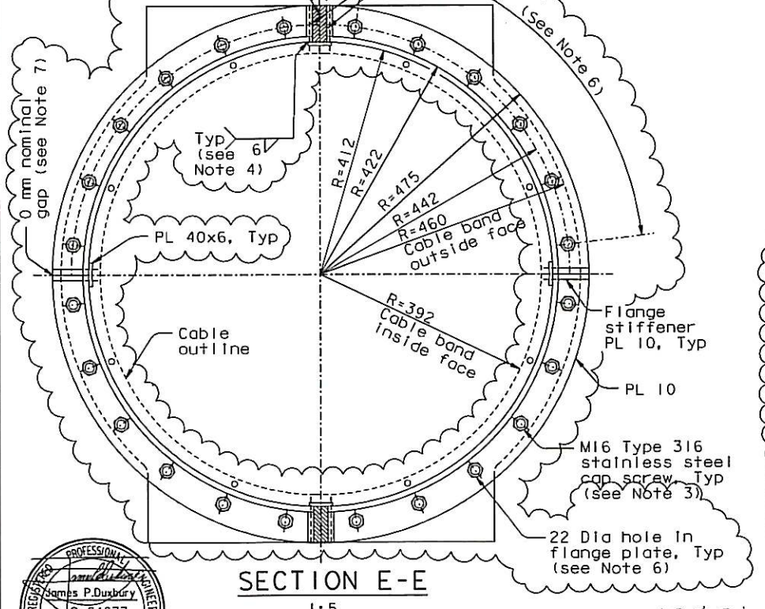


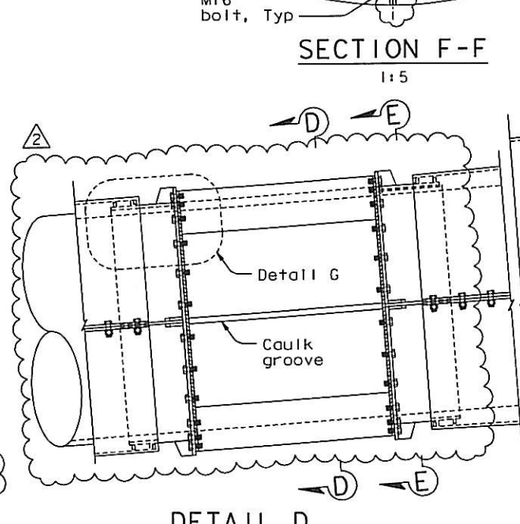
DETAIL F
1:10



DETAIL G
1:2.5



SECTION E-E
1:5



DETAIL D
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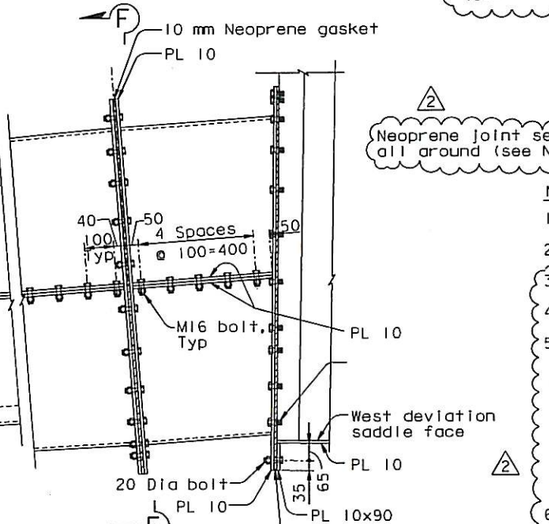

DETAIL E
1:10

NOTES:

1. For additional details, see "West Cable Shroud Details No.1" sheet.
2. For cable band details, see "Cable Band Details" sheet.
3. M16 bolts shall be in 22 Dia holes with 40 OD x6 mm plate washer under head and nut.
4. At the Contractor's option, fillet weld may be applied to either side of PL 40x6.
5. Neoprene joint seal shall be glued to shroud plate and shall have no gap around the perimeter. Seal shall be compressed to fit during shroud installation. At locations where gap between seal plate and neoprene exceed 5 mm, butyl rubber shall be installed for a minimum depth of 35 mm around perimeter prior to caulking. Where gaps are less than or equal to 5 mm, butyl rubber shall be installed as deep into the gap as practical and caulked. Neoprene joint seal shall be chamfered to clear 6 mm fillet weld to PL 10x15.
6. 22 Dia holes shall be used for M16 cap screws and shall be field drilled.
7. Gaps, if found after bolting expansion shroud, shall be filled with caulk.

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	808R2	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

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REGISTERED PROFESSIONAL ENGINEER — James P. Duxbury, No. C 64677, Exp. 06/30/13, CIVIL, STATE OF CALIFORNIA

CONTRACT CHANGE ORDER NO. 18551
SHEET 3 OF 5

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

FOR REVISIONS ONLY

2 REVISION 2 SUPERSEDES REVISION 1

R. Vallzadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 09/06/12

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
2	09/06/12	SUSPENSION CABLE MISCELLANEOUS DETAILS	GB	JD	18551
1	12/22/11	SUSPENSION CABLE MISCELLANEOUS DETAILS	GB	JD	185

REVISIONS

	BY	CHECKED
DESIGN	J. Sun	T. McMeans
DETAILS	J. Duxbury	T. McMeans
QUANTITIES	S. Shl	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

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

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

WEST CABLE SHROUD DETAILS NO. 2

REVISION DATES (PRELIMINARY STAGE ONLY): 05/07/01 | 05/31/01 | 01/04/02 | 01/07/02 | 12/15/02

SHEET 391R2 OF

Rev. Date: 5-15-98

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

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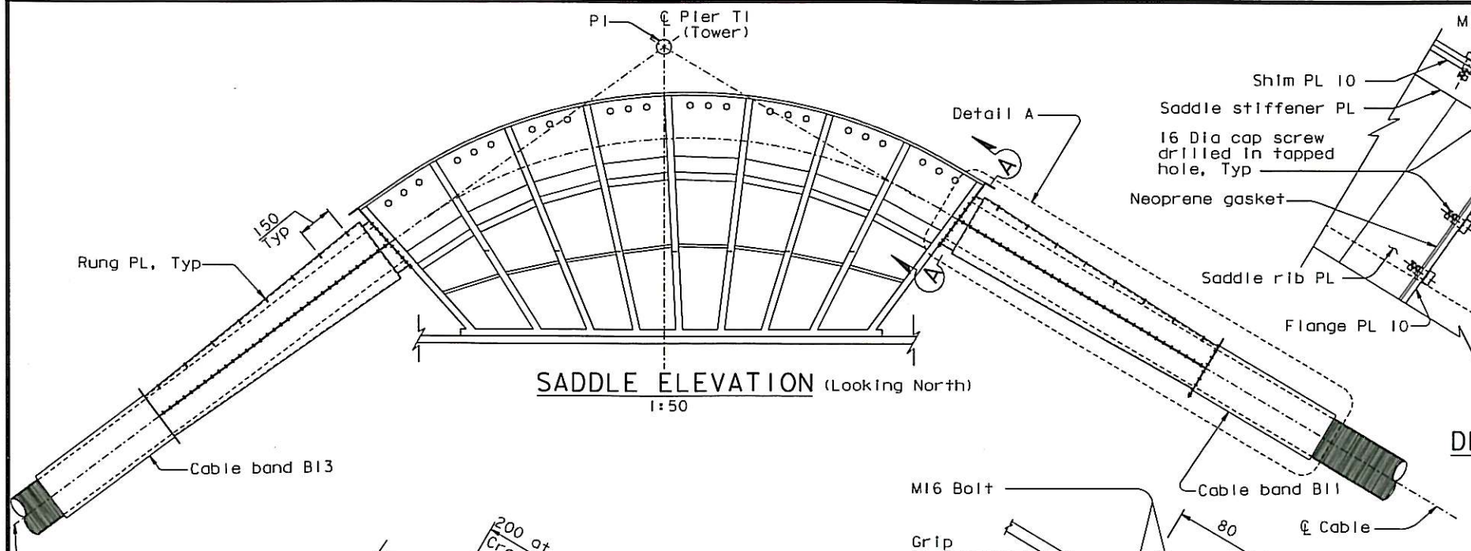
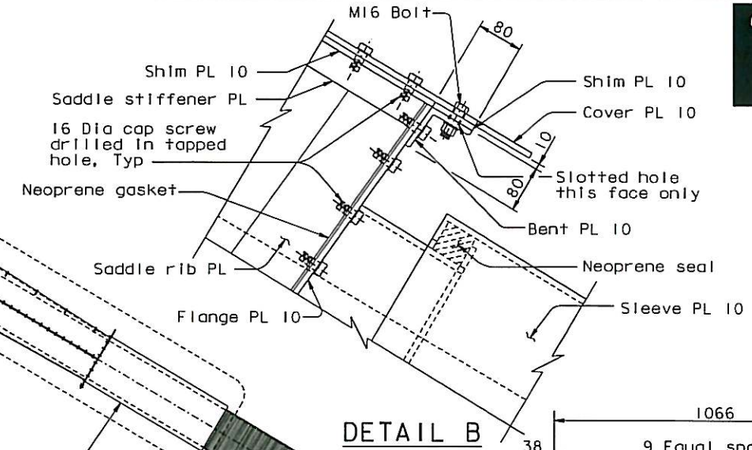


SADDLE ELEVATION (Looking North)
1:50



DETAIL B
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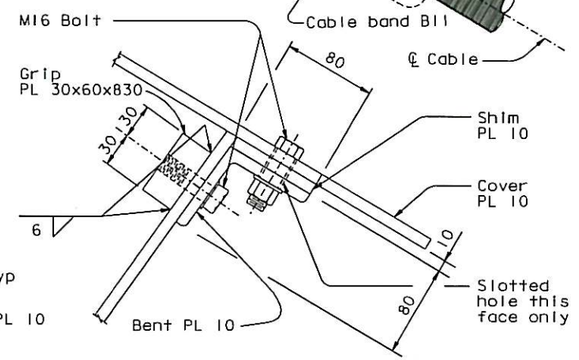
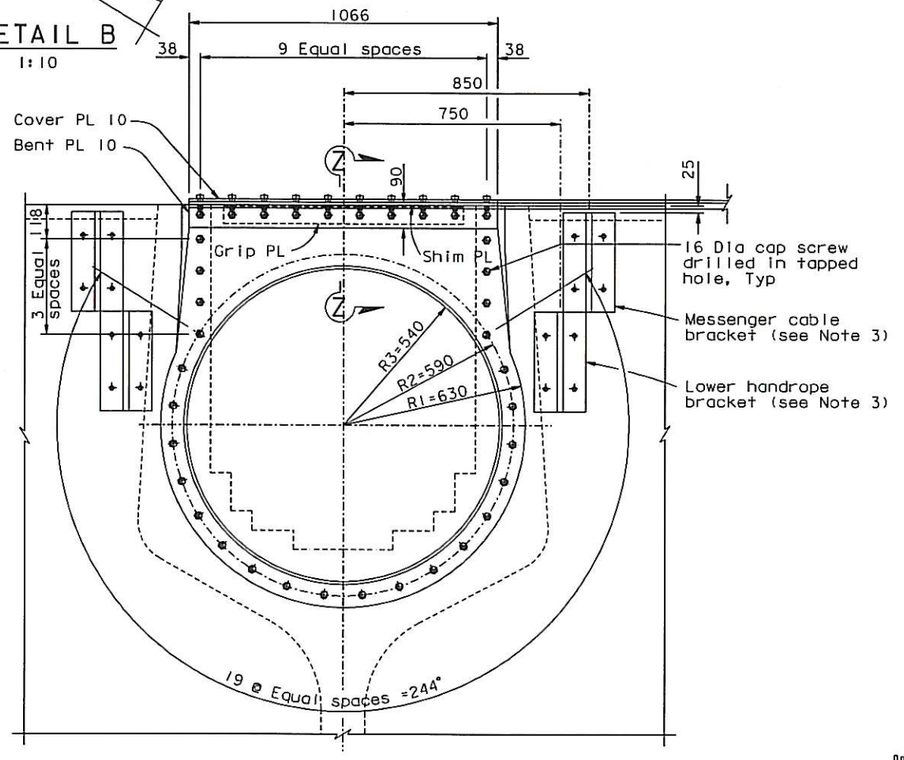
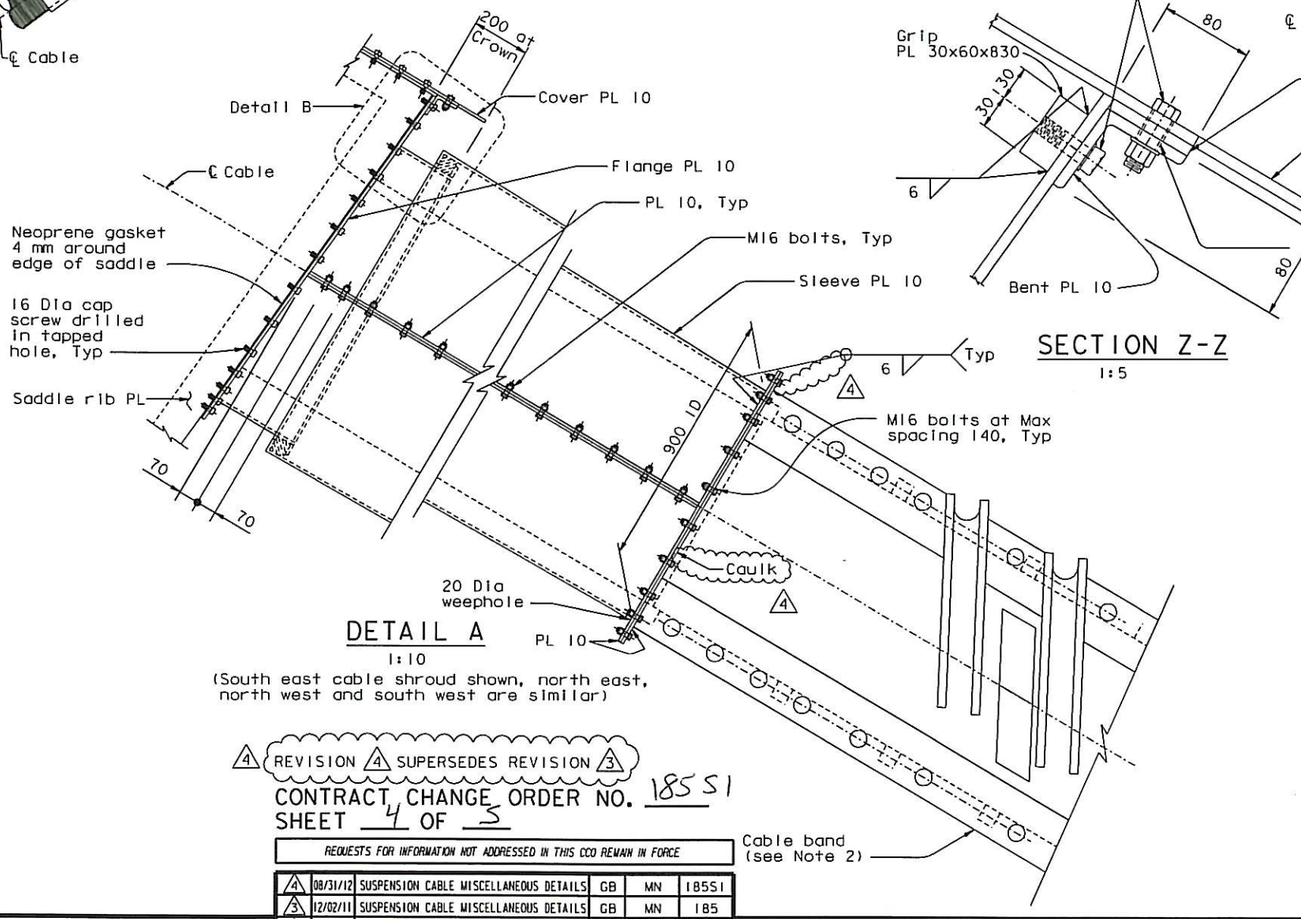




SECTION A-A
1:10
(Cable not shown, for clarity)



DETAIL A
1:10
(South east cable shroud shown, north east, north west and south west are similar)

SECTION Z-Z
1:5

NOTES:

1. For cable shroud details not shown, see "East Cable Shroud Details" sheets.
2. For details of cable bands B11 and B13, see "Cable Band Details" sheets.
3. For messenger cable and handrope bracket details, see "Cable Handrope Details No.3" sheet.

4 REVISION 4 SUPERSEDES REVISION 3

CONTRACT CHANGE ORDER NO. 18551

SHEET 4 OF 5

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
4	08/31/12	SUSPENSION CABLE MISCELLANEOUS DETAILS	GB	MN	18551
3	12/02/11	SUSPENSION CABLE MISCELLANEOUS DETAILS	GB	MN	185
2	10/31/08	TOWER HEAD DETAILS	MN	NV	93
1	08/15/08	CABLE ELECTRICAL	TH	MN	72

REVISIONS

R. Vallzadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 08/31/12

DESIGN BY M. Nader CHECKED T. McMeans
DETAILS BY L. Rus CHECKED T. McMeans
QUANTITIES BY D. Harrison CHECKED Y. Zhang

PREPARED FOR THE STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

R. Manzanarez
PROJECT ENGINEER

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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

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)

TOWER CABLE SHROUD DETAILS

DISREGARD PRINTS BEARING EARLIER REVISION DATES →
REVISION DATES (PRELIMINARY STAGE ONLY): 05/15/99 08/25/99 05/31/01 01/08/02 07/31/02 12/18/02 05/05/04

SHEET 392R4 OF

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DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	809R4	1204

REGISTERED ENGINEER - CIVIL

12-6-04
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Marwan N. Nader
No. C 054426
Exp. 12/31/13
CIVIL
STATE OF CALIFORNIA

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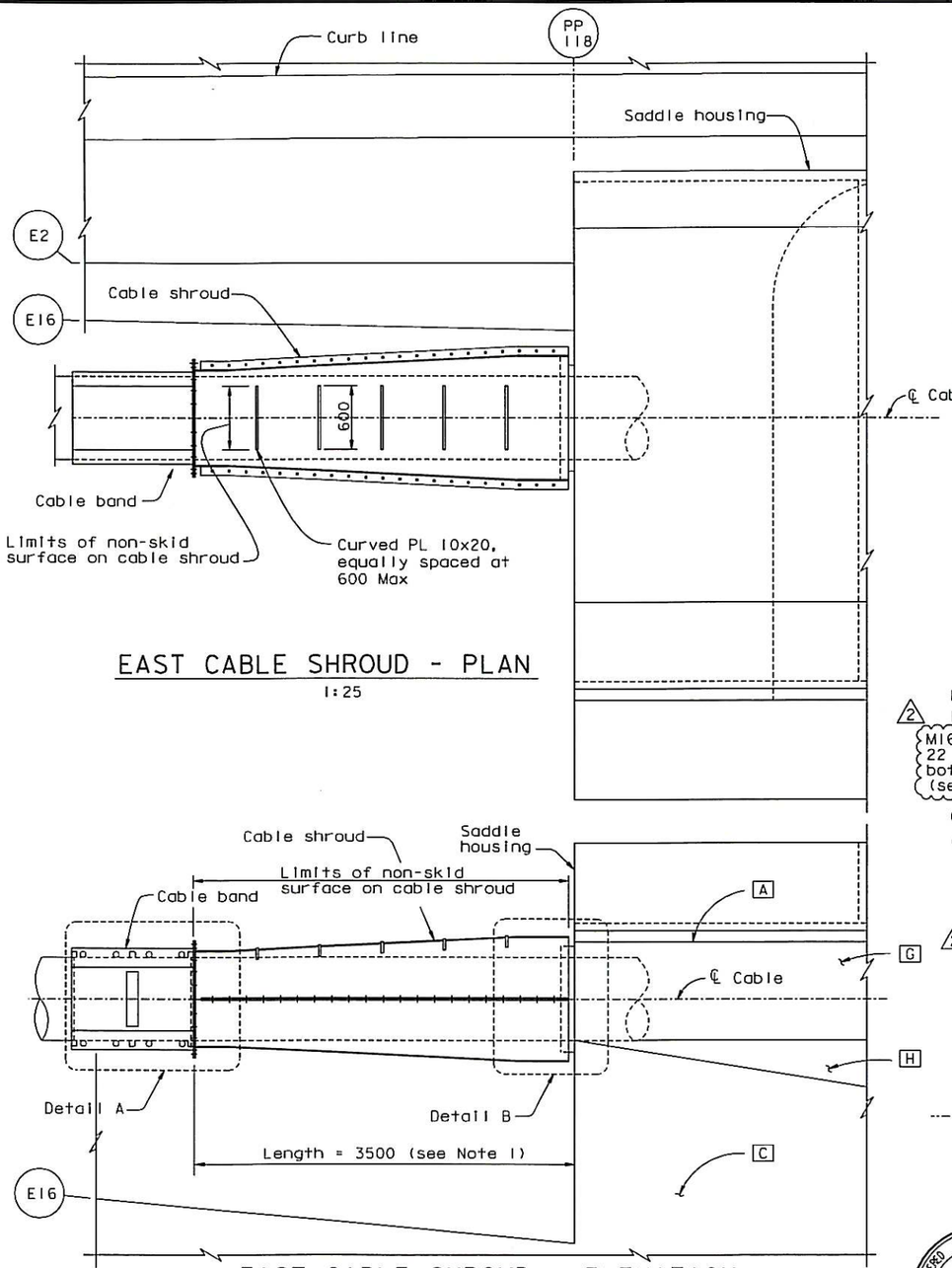
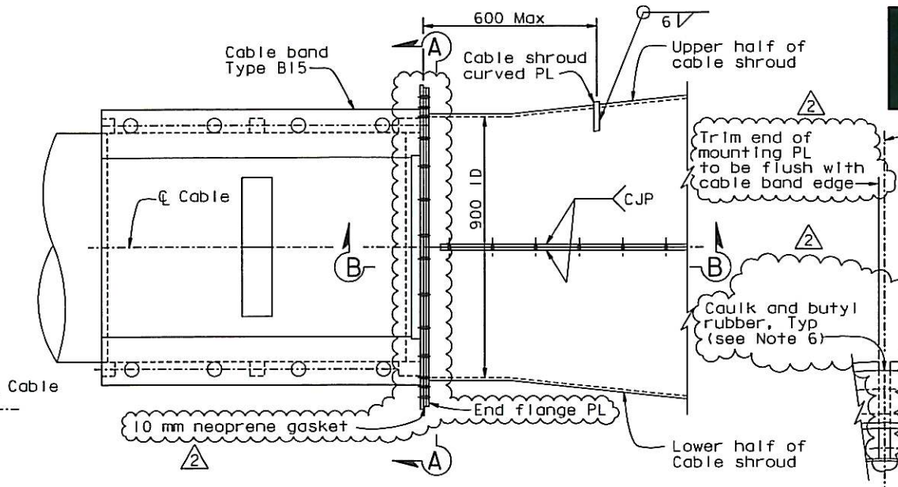


EAST CABLE SHROUD - PLAN

1:25

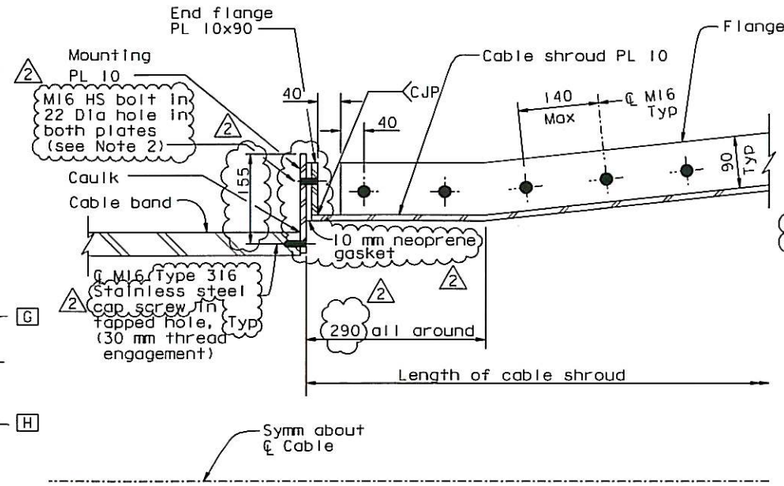
EAST CABLE SHROUD - ELEVATION

1:25



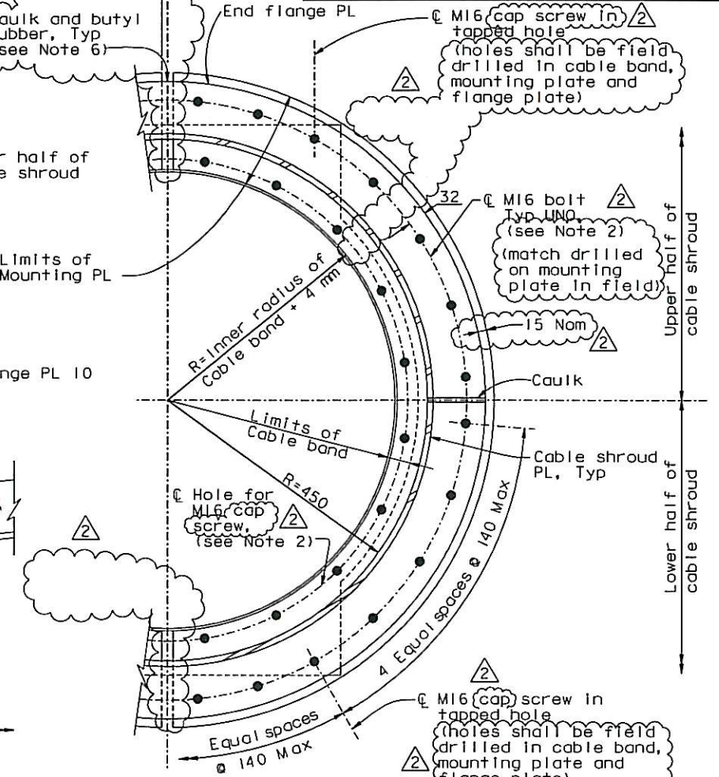
DETAIL A

1:10



SECTION B-B

1:5



SECTION A-A

1:5

NOTES:

1. Dimension shown for cable shroud length applies to east anchorage locations only. Cable shroud length varies at all other locations.
2. Cable band bolts shall be tightened prior to installing mounting PL. Mounting plate holes shall be 22 Dia with 40 ODx6 mm plate washer under head and nut.
3. For saddle housing, see "East Saddle Housing Details" sheets.
4. For cable band details, see "Cable Band Details" sheets.
5. For Detail B, see "East Cable Shroud Details No.2" sheet.
6. Gaps in mounting plate shall be filled with butyl rubber and caulk, similar to gap in cable band.

REVISION 2 SUPERSEDES REVISION 1

CONTRACT CHANGE ORDER NO. 1855I

SHEET 5 OF 5

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

FOR REVISIONS ONLY

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DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	810R2	1204

George Baker
REGISTERED ENGINEER - CIVIL

12-6-04
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — George S. Baker — No. C 57112 — Exp. 12/31/05 — CIVIL — STATE OF CALIFORNIA

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Marwan N. Nader — No. C 054426 — Exp. 12/31/13 — CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
2	09/04/12	SUSPENSION CABLE MISCELLANEOUS DETAILS	GB	MN	1855I
1	12/22/11	SUSPENSION CABLE MISCELLANEOUS DETAILS	GB	MN	185

REVISIONS

R. Valizadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 09/04/12

	BY	CHECKED
DESIGN	G. Baker	T. McMeans
DETAILS	D. Turner	T. McMeans
QUANTITIES	C. Mauch	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

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

EAST CABLE SHROUD DETAILS NO. 1

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)						SHEET	OF
08/07/99	05/27/01	04/09/02	01/09/02	12/15/02		393R2	

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