



DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	796R4	1204

REGISTERED ENGINEER - CIVIL

12-6-04

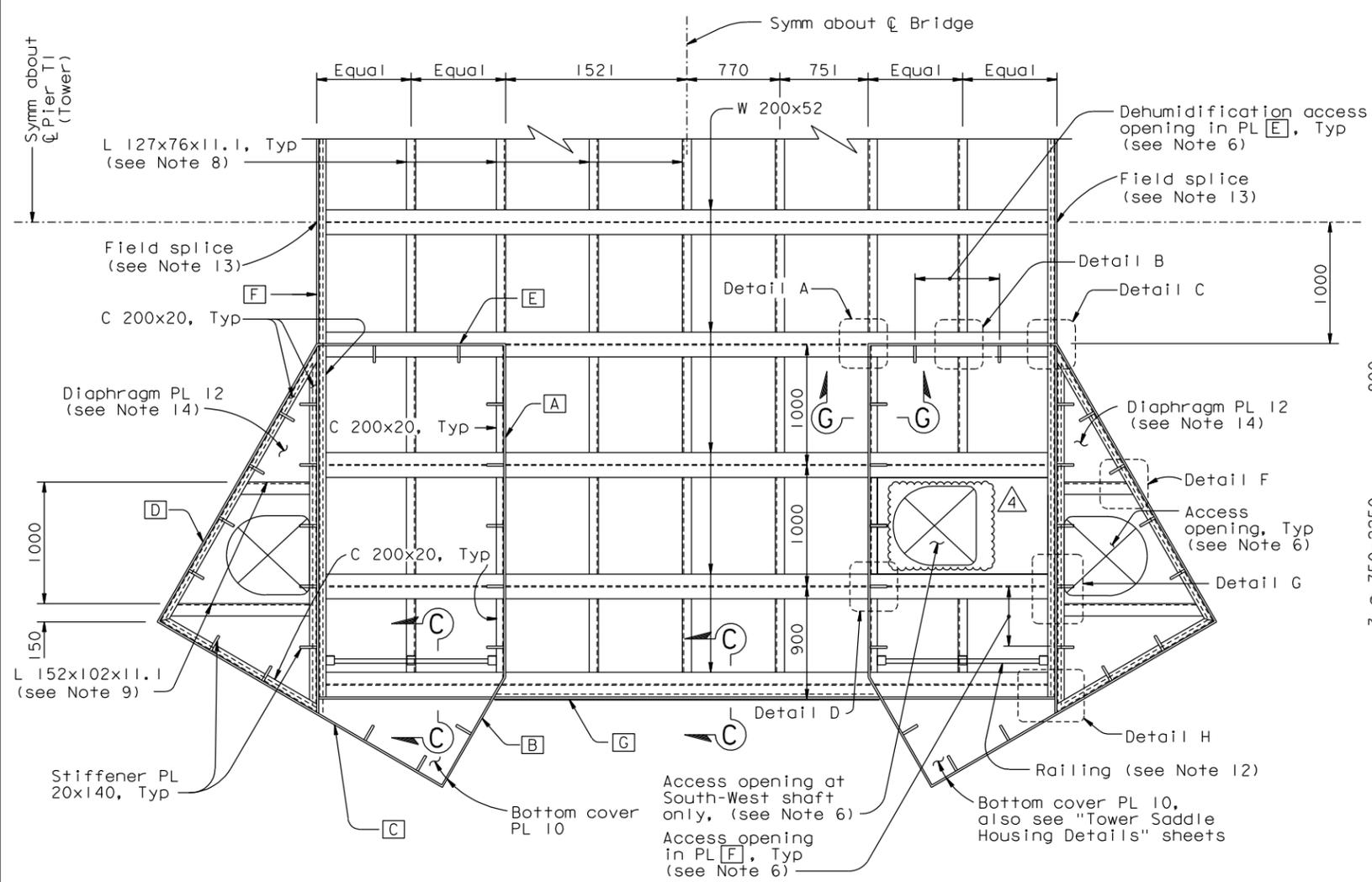
PLANS APPROVAL DATE

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825 BATTERY STREET
SAN FRANCISCO, CA 94111

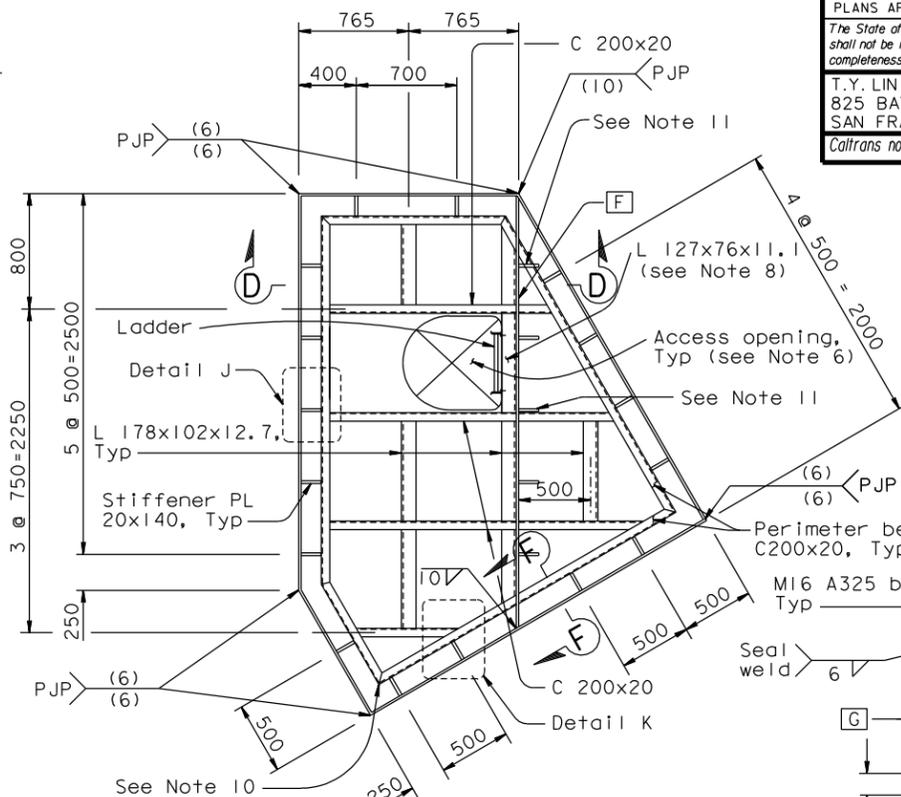
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PROFESSIONAL ENGINEER
Marwan N. Nader
No. C 054426
Exp. 12/31/11
CIVIL
STATE OF CALIFORNIA

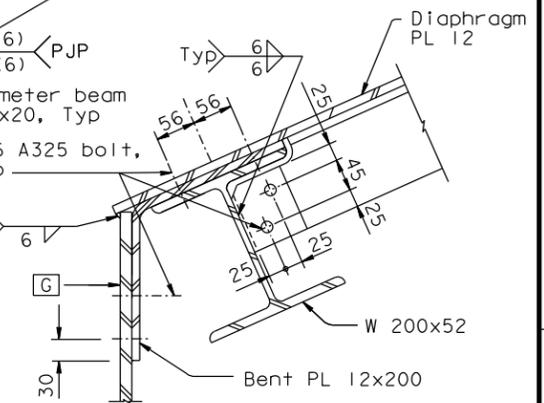


SECTION E-E (Partial framing plan for tower head diaphragm, diaphragm PL not shown for clarity) (see Note 7)
1:25

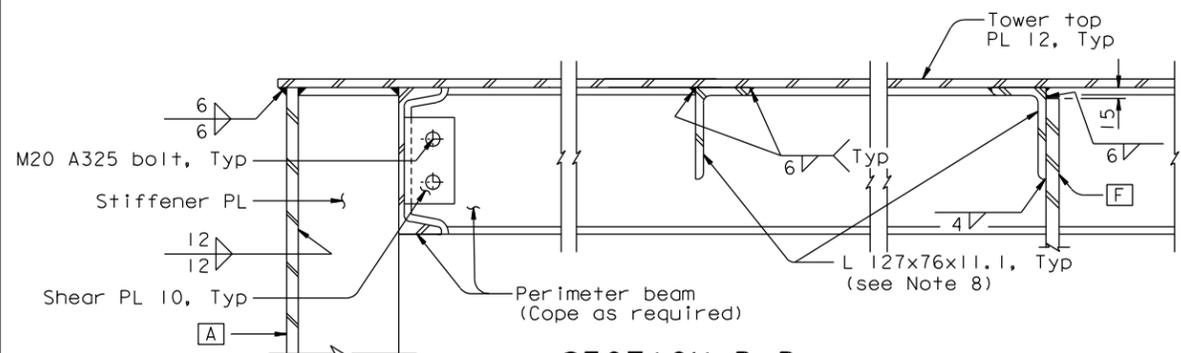
Tower head PL	Thickness
A to G	16



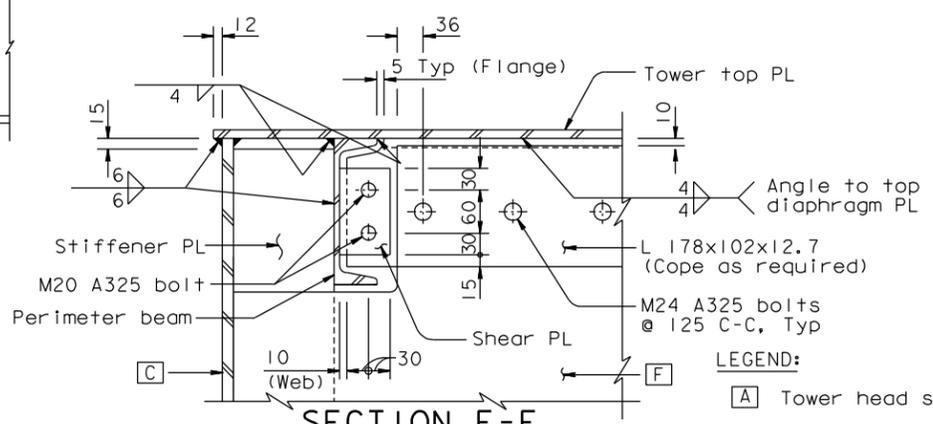
SECTION B-B (Framing plan at top of the tower at Elev 160 m. Tower top PL not shown for clarity)
1:25



SECTION C-C (See Note 1)
1:5



SECTION D-D
1:5



SECTION F-F
1:5

- NOTES:**
- At the Contractor's option, the [F] plate may be spliced in the field with CJP welding or bolted splice, subject to review and approval of the Engineer. For bolted splice detail, see "Tower Head Details No.8" sheet.
 - For alternative diaphragm and framing confined by [C], [D] and [F], see "Tower Head Details No.10" sheet.

- All details shall account for the actual slope and curvature of the tower head diaphragm and slope of tower top plate.
- For Details A, B, C, D and Section G-G, see "Tower Head Details No.4" sheet.
- For Details F, G and H, see "Tower Head Details No.5" sheet.
- For Details J and K, see "Tower Head Details No.6" sheet.
- For connection details, see schedule on "Tower Head Details No.4" sheet.
- For tower access opening details, see "Tower Access Details" sheets.
- Section E-E is shown rotated 90° counterclockwise.
- At the Contractor's option, L127x76x11.1 may be used in lieu of L127x76x12.7, subject to review and approval of the Engineer.
- At the Contractor's option, L152x102x12.7 may be used in lieu of L152x102x11.1, subject to review and approval of the Engineer.
- At the Contractor's option, 12 mm bent plate with two MI6 A325 HS bolts on each side may be used to connect the perimeter beam at the corners, subject to review and approval of the Engineer.
- Stiffeners may be terminated below the channel beams, subject to review and approval of the Engineer.
- Railing posts shall be vertical.

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE					
MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
Δ	10/29/10	DOORS AND LADDER CAGES	NV	MN	118
Δ	10/22/10	TOWER HEAD DETAILS	NV	MN	93
Δ	01/16/09	TOWER HEAD DETAILS	NV	MN	93
Δ	07/18/08	TOWER ACCESS	NV	MN	65

DESIGN	BY M. Nader	CHECKED S. Camo
DETAILS	BY R. Kanitkar	CHECKED G. Baker
QUANTITIES	BY R. Kanitkar	CHECKED Y. Zhang

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

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

SAN FRANCISCO OAKLAND BAY BRIDGE EAST SPAN SEISMIC SAFETY PROJECT

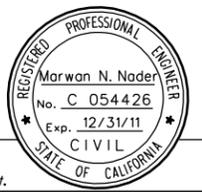
SELF-ANCHORED SUSPENSION BRIDGE (SUPERSTRUCTURE & TOWER)

TOWER HEAD DETAILS NO.3



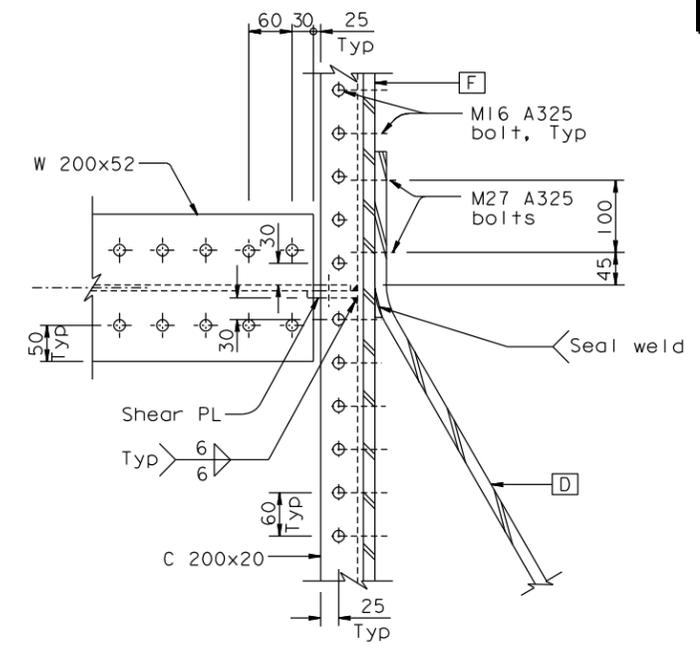
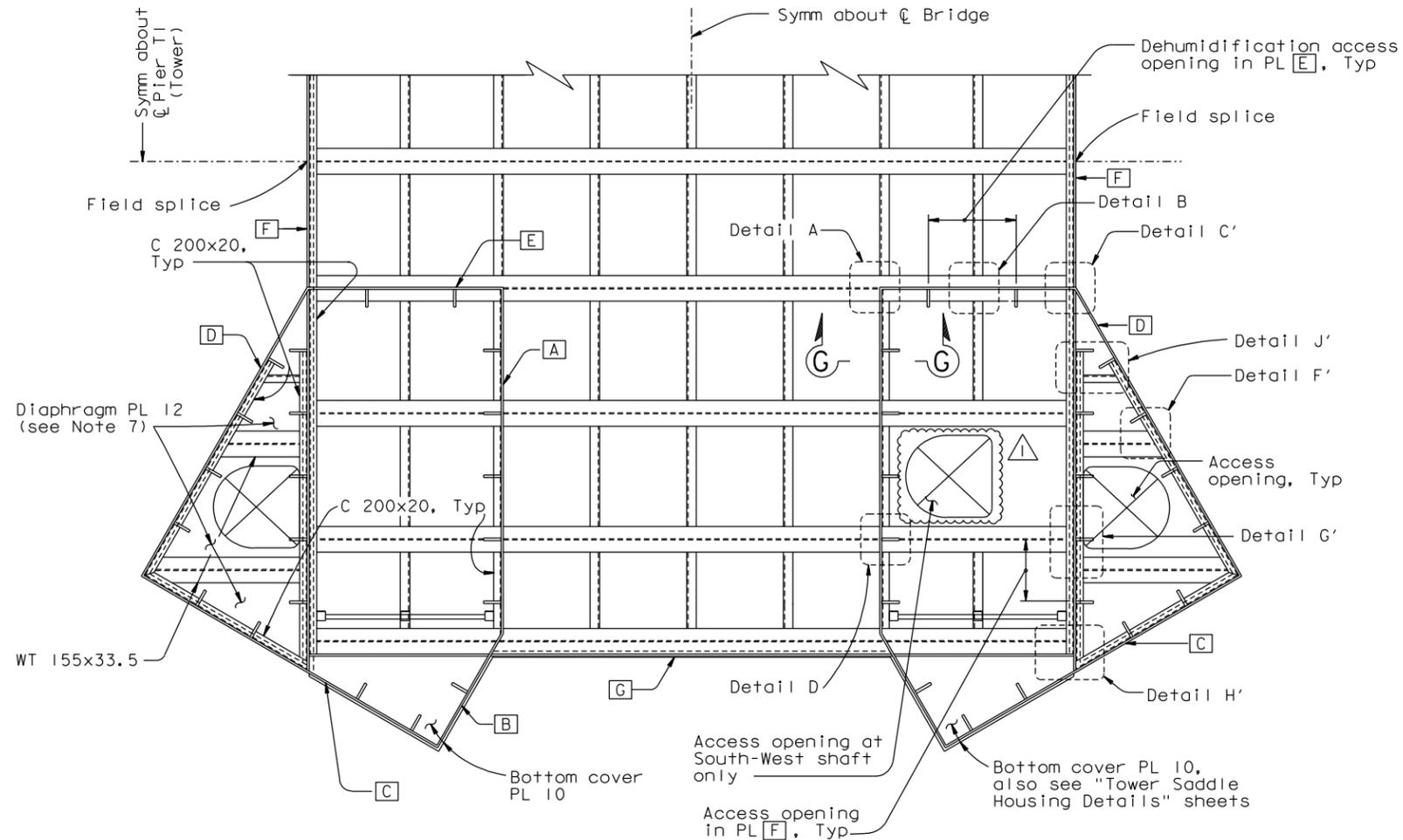
DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	80053R1	1204

REGISTERED ENGINEER - CIVIL
 10-22-10
 PLANS APPROVAL DATE
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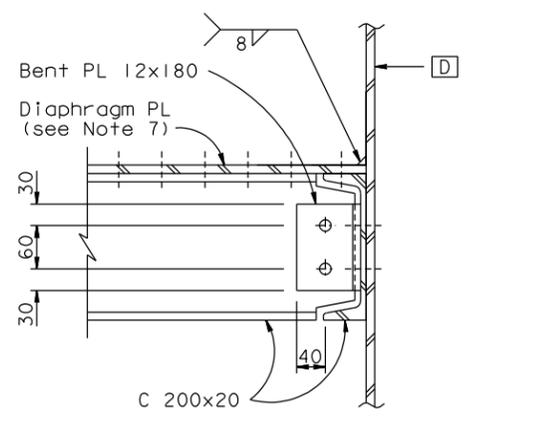
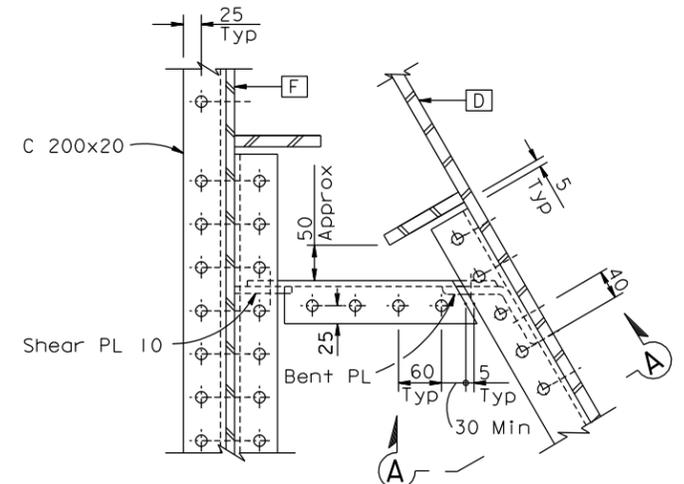


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ALTERNATIVE DIAPHRAGM & FRAMING IN SPACE CONFINED BY [C], [D] & [F]



- NOTES:
- All details shall account for the actual slope and curvature of the tower head diaphragm and slope of tower top plate.
 - For Details A, B, D and Section G-G, see "Tower Head Details No.4" sheet.
 - For Details F', G' and H', see "Tower Head Details No.11" sheet.
 - For connection details, see schedule on "Tower Head Details No.4" sheet.
 - For tower access opening details, see "Tower Access Details" sheets.
 - Section E-E is shown rotated 90° counterclockwise.
 - At the Contractor's option, Diaphragm PL 12 confined by [C], [D] and [F] may be constructed from 3 straight diaphragm panels consistent with curved profile of the Tower Head Diaphragm.

CONTRACT CHANGE ORDER NO. _____
 SHEET ____ OF ____

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

DETAIL J' (Diaphragm PL not shown for clarity)
 1:5

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

R. Valizadeh/V. Toan/Y.L./W.L./F.C.
 DESIGN OVERSIGHT
 SIGN OFF DATE 10/29/10

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
△	10/29/10	DOORS AND LADDER CAGES	NV	MN	118
△	10/22/10	TOWER HEAD DETAILS	NV	MN	93

DESIGN	BY	CHECKED
BY	M. Nader	S. Camo
DETAILS	R. Kanitkar	G. Baker
QUANTITIES	R. Kanitkar	Y. Zhang

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 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)
TOWER HEAD DETAILS NO. 10

Rev. Date: 5-18-98

REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
10/22/10	383S3R1	1

CU 04
 EA 0120F1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

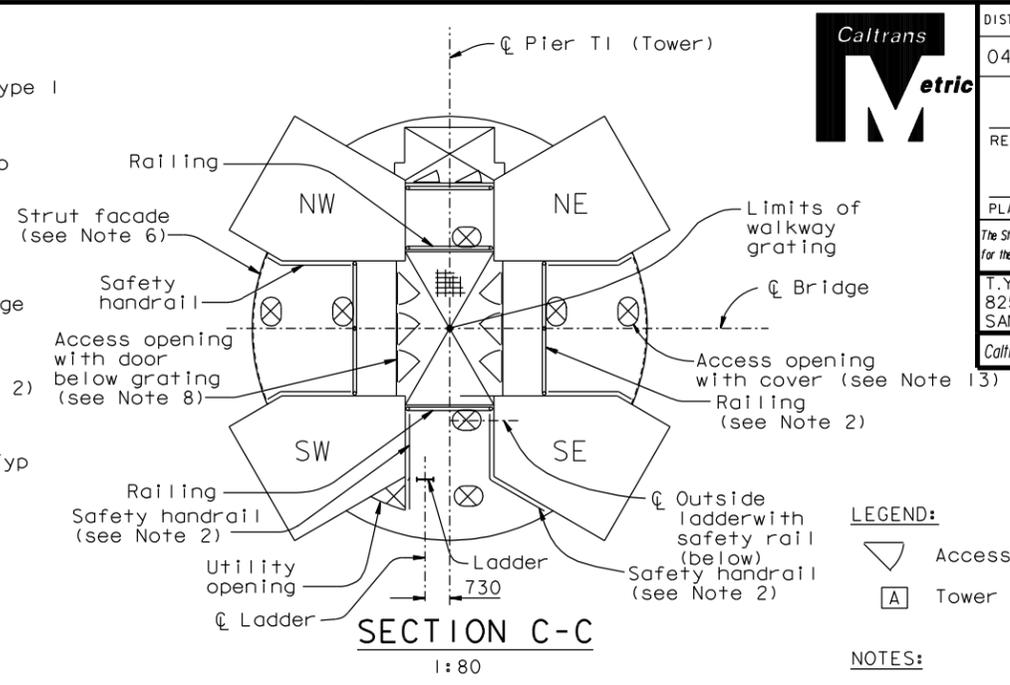
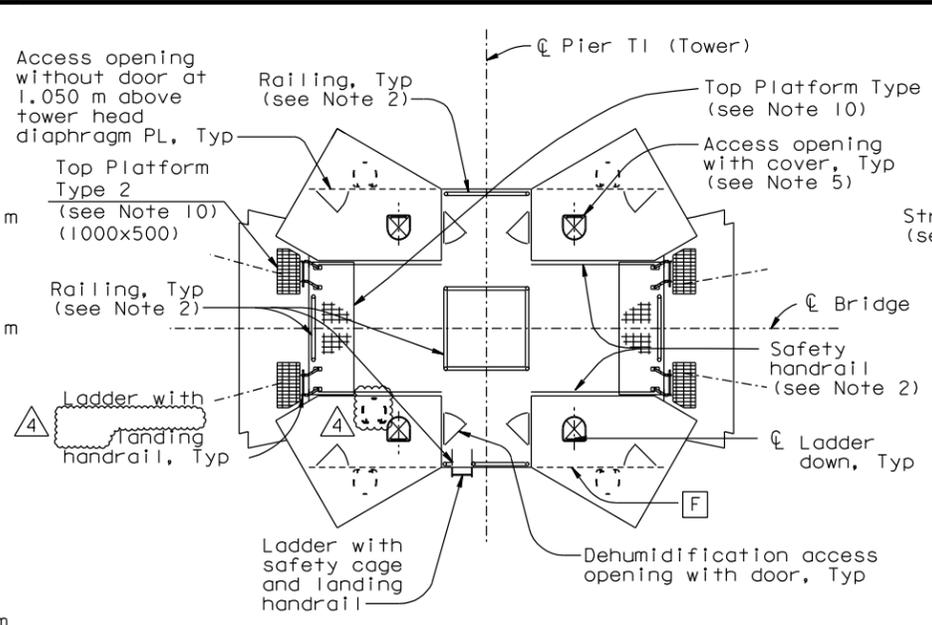
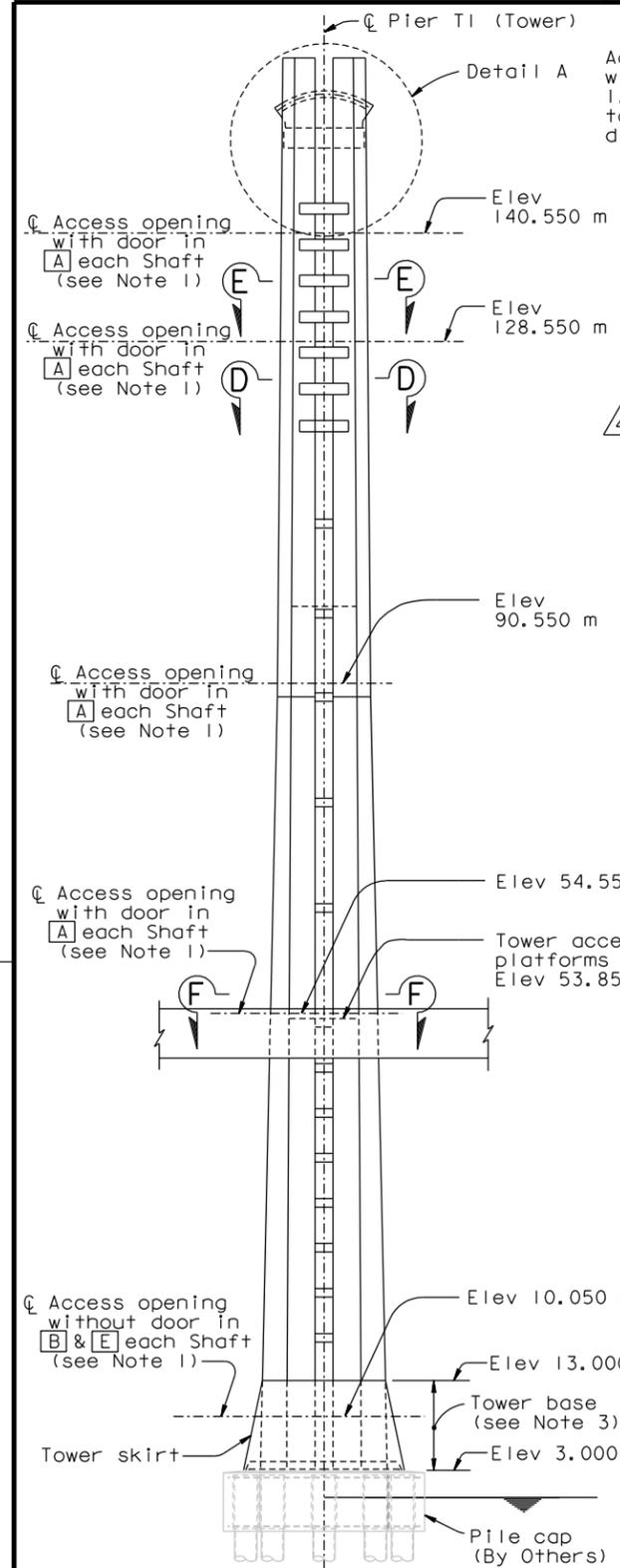
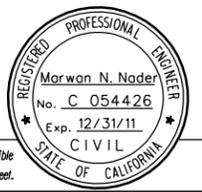


100% P&E DATE PLOTTED => 29 OCT 2010 TIME PLOTTED => 11:25:51 USERNAME => DWInrow



DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	917R4	1204

REGISTERED ENGINEER - CIVIL
 12-6-04
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ELEVATION
 1:400
 (Looking North)

CONTRACT CHANGE ORDER NO. _____
 SHEET _____ OF _____

DETAIL A
 1:100

SECTION A-A
 1:100

- LEGEND:**
- ▽ Access opening (see Notes 1, 3, 8 & 14)
 - Tower shaft skin plate A
- NOTES:**
- For location of access openings in tower shafts, see "Tower Shaft Details" sheets.
 - For railing and safety handrail details, see "Tower Access Details No. 8" sheet.
 - For additional access details in tower base, see "Tower Access Details No. 2" sheet.
 - For ladder details not shown, see "Tower Access Details No. 7" sheet.
 - For access opening details, see Detail E on "Tower Access Details No. 8" sheet. For cover details, see "Tower Access Details No. 9" sheet.
 - For strut facade, see "Tower Strut Facade Details" sheets.
 - For location of access openings in tower head, see "Tower Head Details" sheets.
 - For access opening and door details, see "Tower Access Detail No. 4" sheet. Access openings are without door unless noted otherwise.
 - For Section D-D and E-E, see "Tower Access Details No. 3" sheet.
 - For Top Platform Types 1 and 2, see "Tower Access Detail No. 9" sheet.
 - For Section F-F, see "Tower Access Details No. 10" sheet.
 - For walkway grating and support beam, see "Tower Access Details No. 3" sheet.
 - For access opening cover details, see "Tower Access Details No. 9" sheet.
 - For location of access openings in strut facade, see "Tower Strut Facade Details" sheets.
 - For location of saddle access opening and ladder, see "Tower Saddle Housing Details" sheets.
 - At locations where ladder lengths exceed 6.5 meters, contraction joints shall be provided. Ladder length is defined as the distance between the centerlines of the top and bottom end supports. Contraction joints shall be located below ladder supports unless noted otherwise. For contraction joint details, see "Tower Access Details No. 7" sheet.
 - Ladder supports shall be spaced at 6 meters maximum.
 - For ladder, railing and safety handrail, and top platform details not shown, see "Tower Access Details No. 1A" sheet.

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
4	10/29/10	DOORS AND LADDER CAGES	NV	MN	118
3	10/22/10	TOWER HEAD DETAILS	NV	MN	93
2	07/17/09	ELEVATOR DETAILS	TH	MN	85
1	07/18/08	TOWER ACCESS	NV	MN	65

DESIGN	BY M. Nader	CHECKED	M. Gulyas
DETAILS	BY G. Baker	CHECKED	L. Rus
QUANTITIES	BY D. Turner	CHECKED	J. Leventini

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

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 ACCESS DETAILS NO. 1



DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	917SIRI	1204

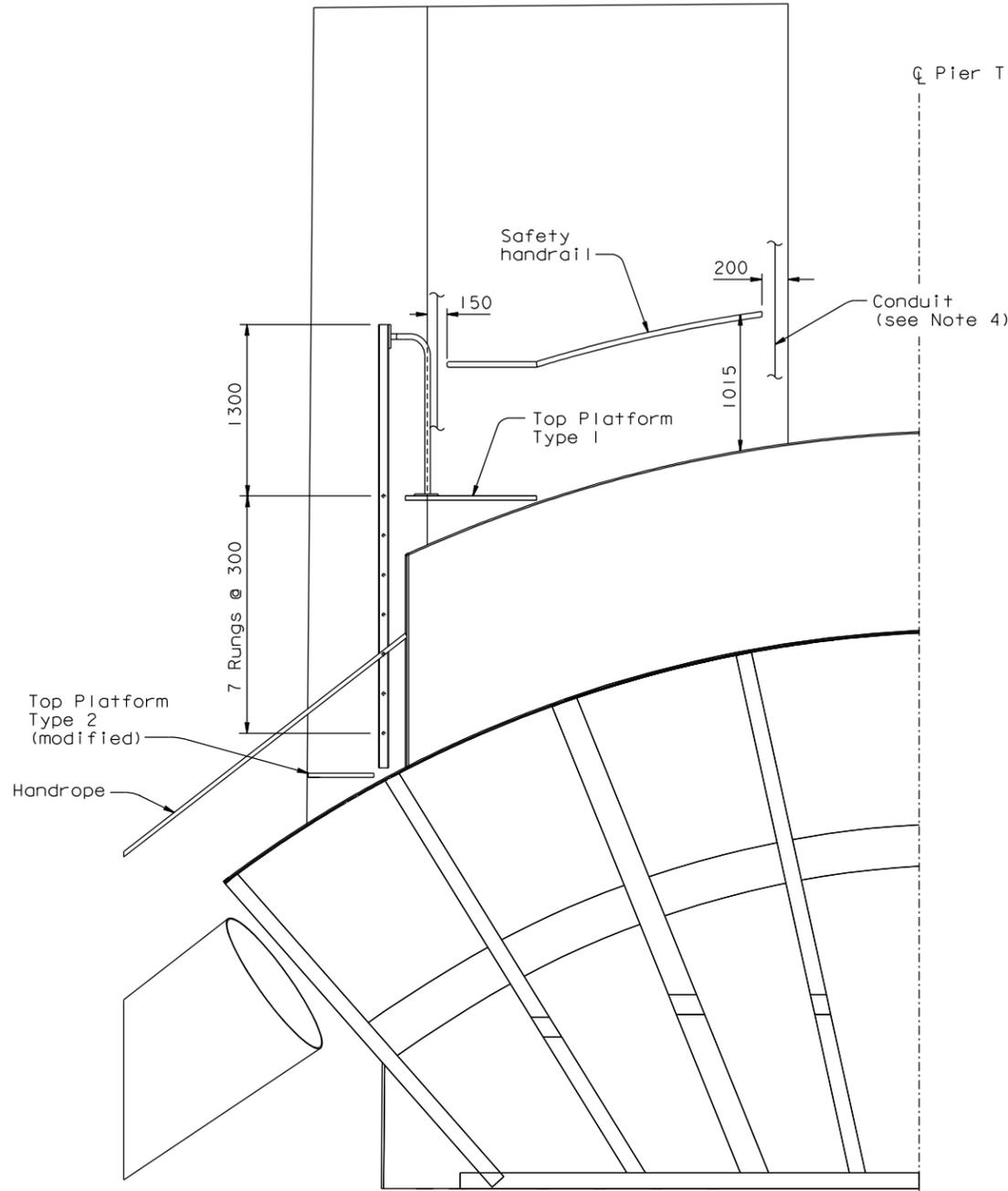
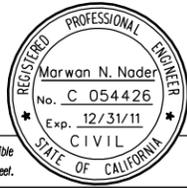
REGISTERED ENGINEER - CIVIL

10-22-10
PLANS APPROVAL DATE

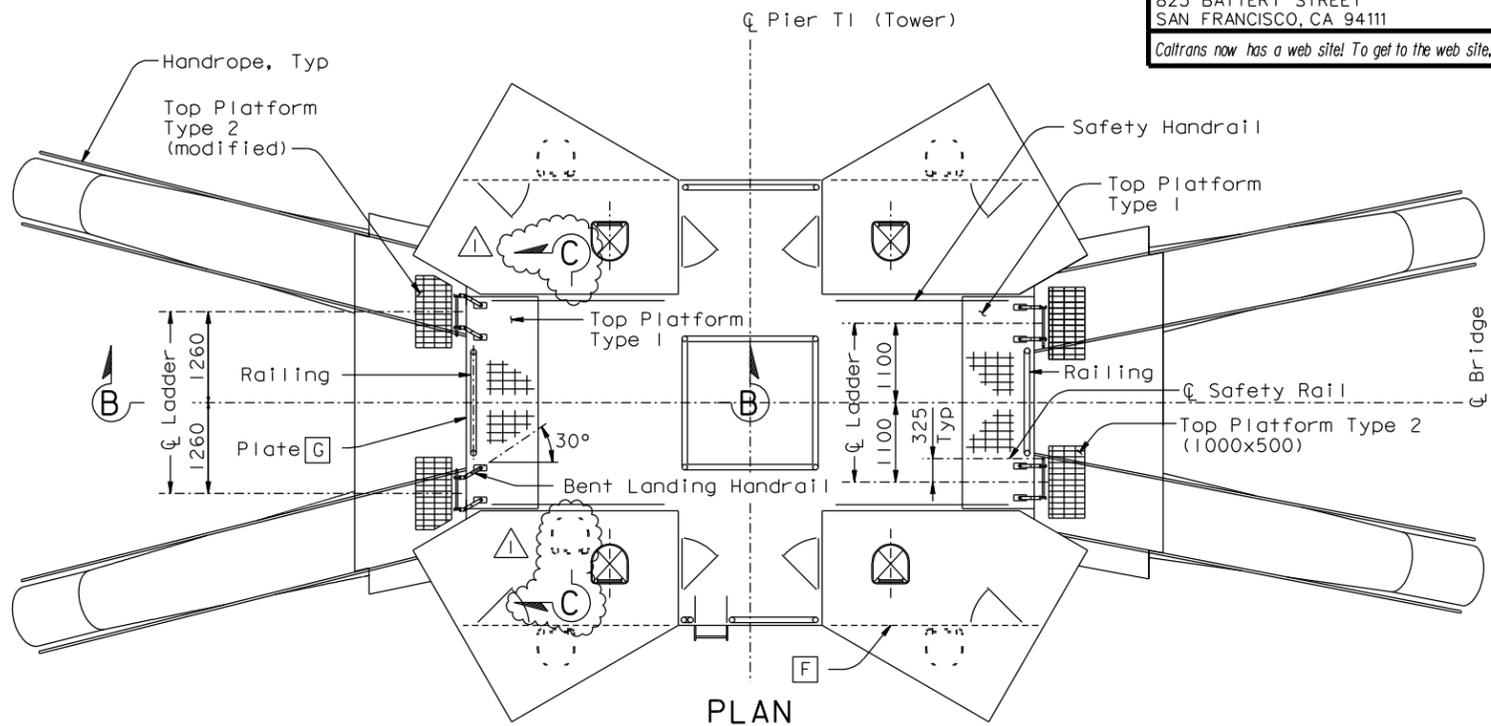
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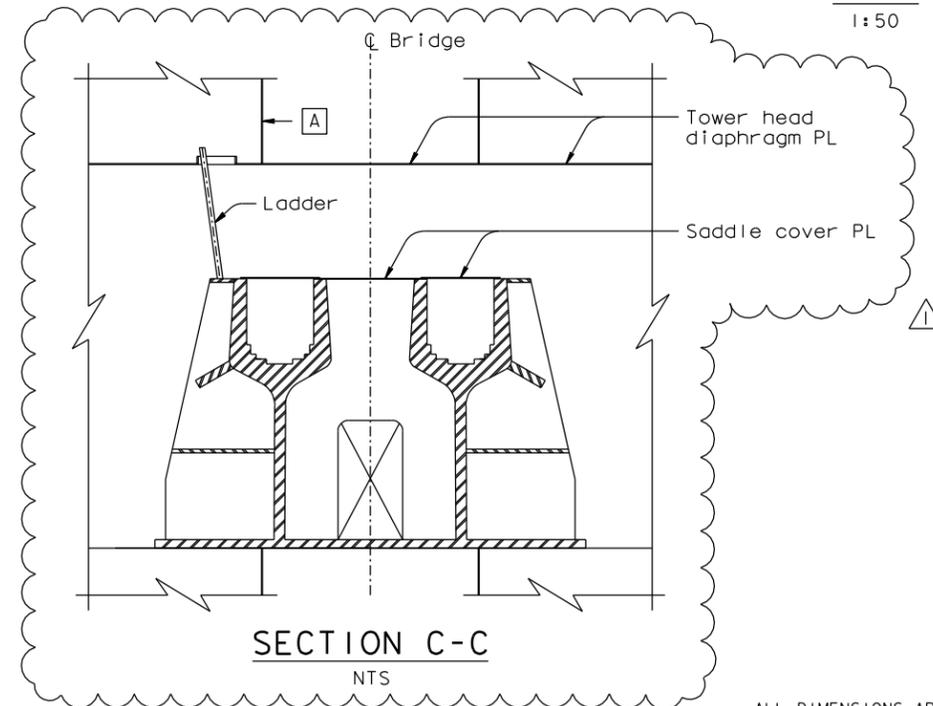
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SECTION B-B
1:25



PLAN
1:50



SECTION C-C
NTS

NOTES:

1. For railing and safety handrail details, see "Tower Access Details No.8" sheet.
2. For ladder details not shown, see "Tower Access Details No.7" sheet.
3. For top platform details not shown, see "Tower Access Details No.9" sheet.
4. For conduit routing, see "Road Plans".

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

R. Valizadeh/V.Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 10/29/10

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
△	10/29/10	DOORS AND LADDER CAGES	NV	MN	118
△	10/22/10	TOWER HEAD DETAILS	NV	MN	93

DESIGN	BY	CHECKED
BY	N. Vo	M. Nader
DETAILS	BY N. Vo	CHECKED M. Nader
QUANTITIES	BY N. Vo	CHECKED M. Nader

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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)

TOWER ACCESS DETAILS NO. 1A

REVISION DATES (PRELIMINARY STAGE ONLY)

10/22/10				
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SHEET 500SIRI OF

Rev. Date: 5-18-98



CU 04
EA 0120F1

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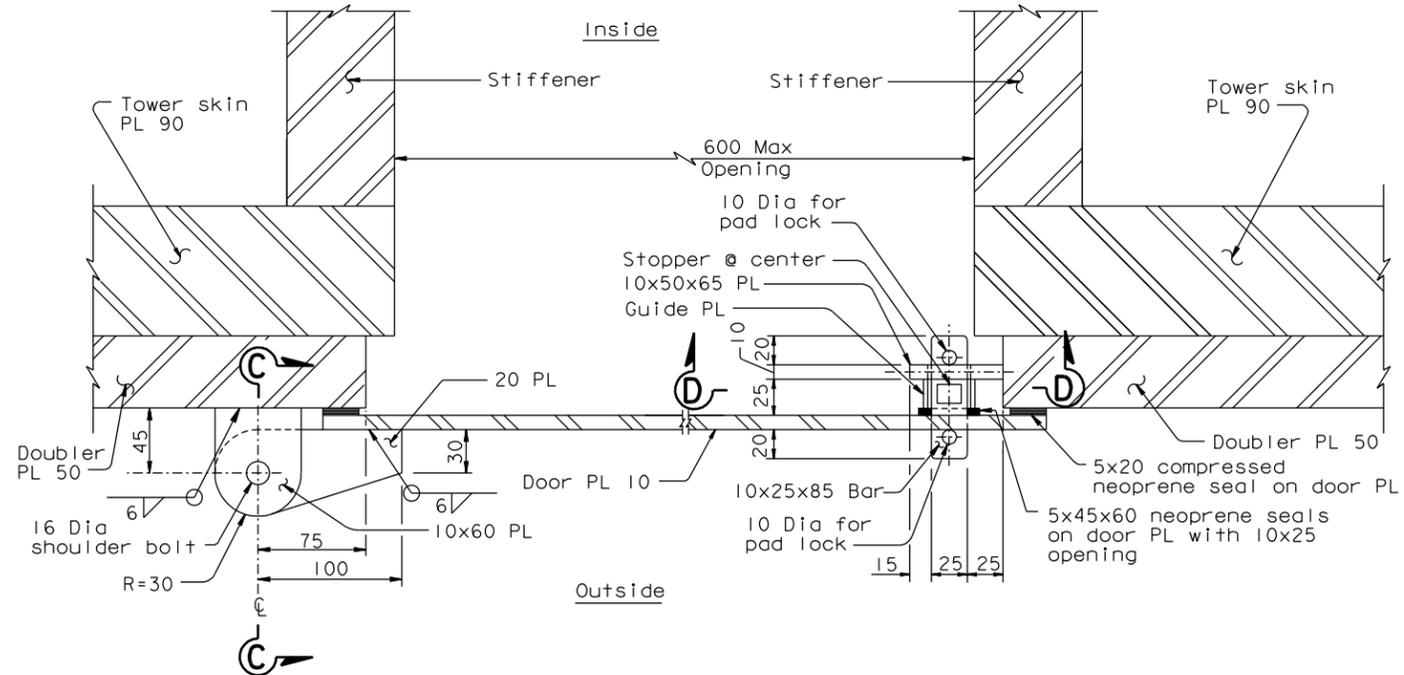
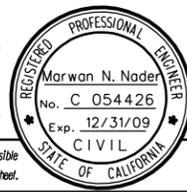
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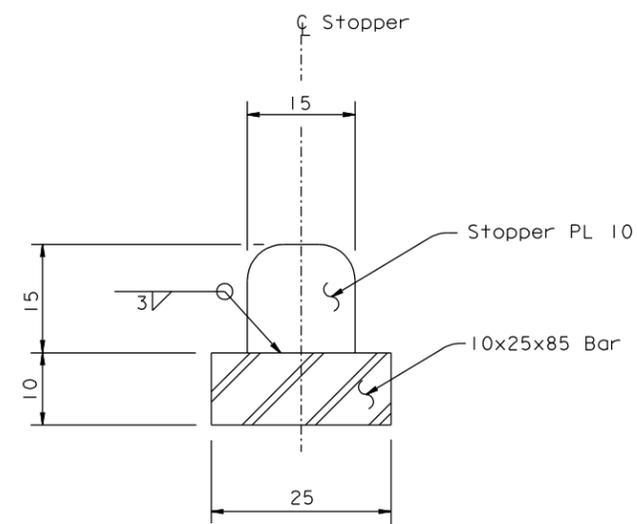


DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	920SI	1204

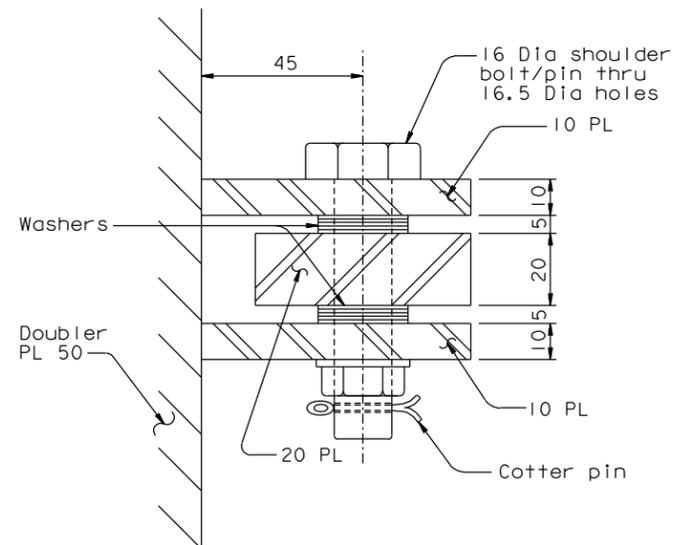
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 05-07-09
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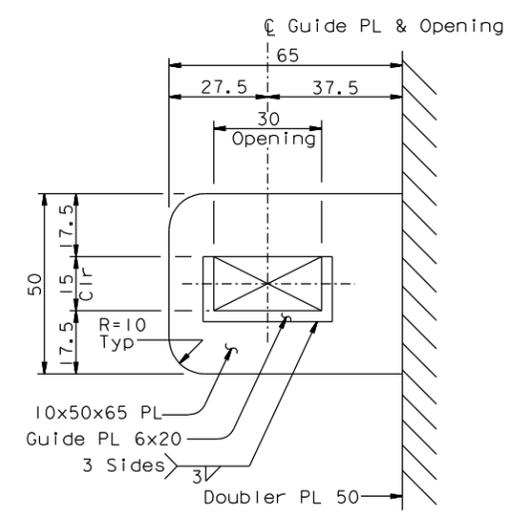
ACCESS OPENING DOOR HINGE AND LOCK DETAIL
1:2.5



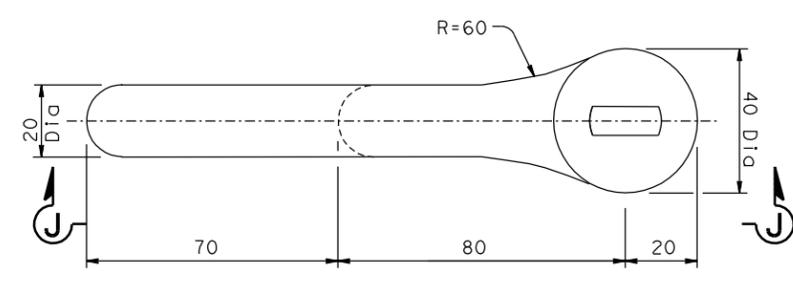
STOPPER DETAIL
2:1



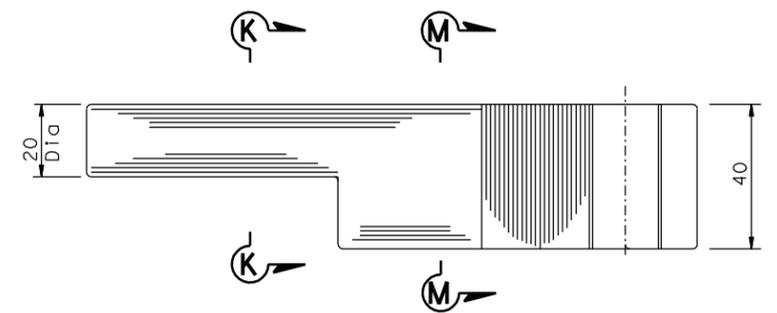
SECTION C-C
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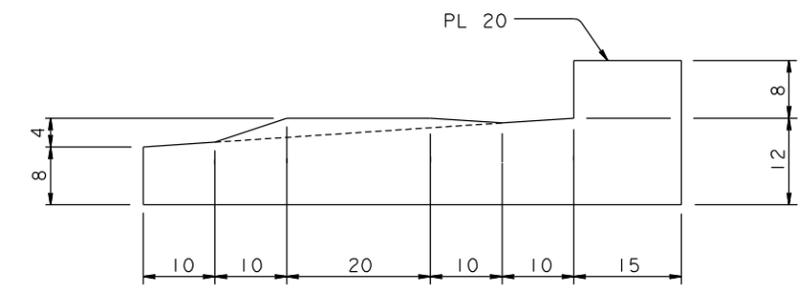
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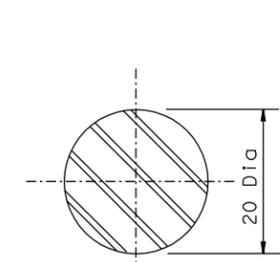
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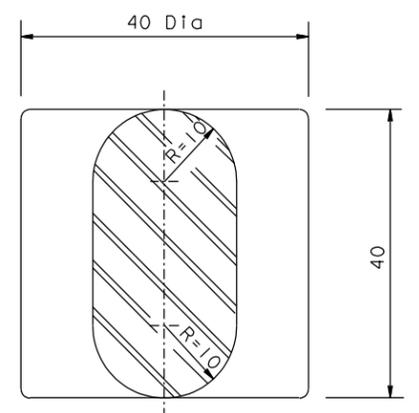
SECTION J-J
1:1



LOCKING WEDGE PROFILE
2:1



SECTION K-K
2:1



SECTION M-M
2:1

CONTRACT CHANGE ORDER NO. _____
 SHEET _____ OF _____

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE.

R. Valizadeh/V. Toan/Y.L./W.L./F.C.
 DESIGN OVERSIGHT
 Sign Date: 05/07/09

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
	05/07/09	DOORS AND LADDER CAGES	MN	NV	118

DESIGN	BY M. Nader	CHECKED N. Vo
DETAILS	BY M. Nader	CHECKED N. Vo
QUANTITIES	BY M. Nader	CHECKED N. Vo

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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)
TOWER ACCESS DETAILS NO. 4A

Rev. Date: 5-18-98



CU 04
 EA 0120F1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

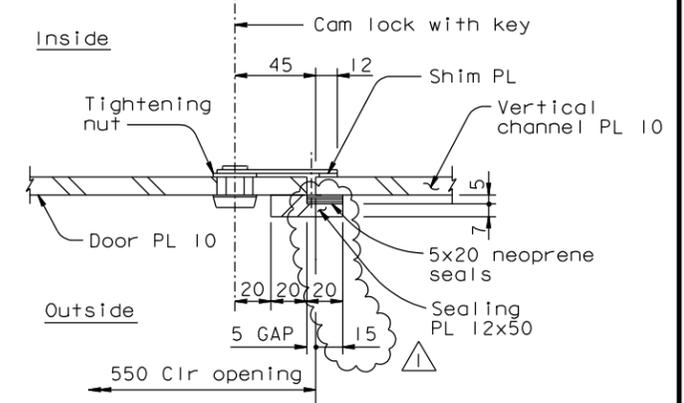
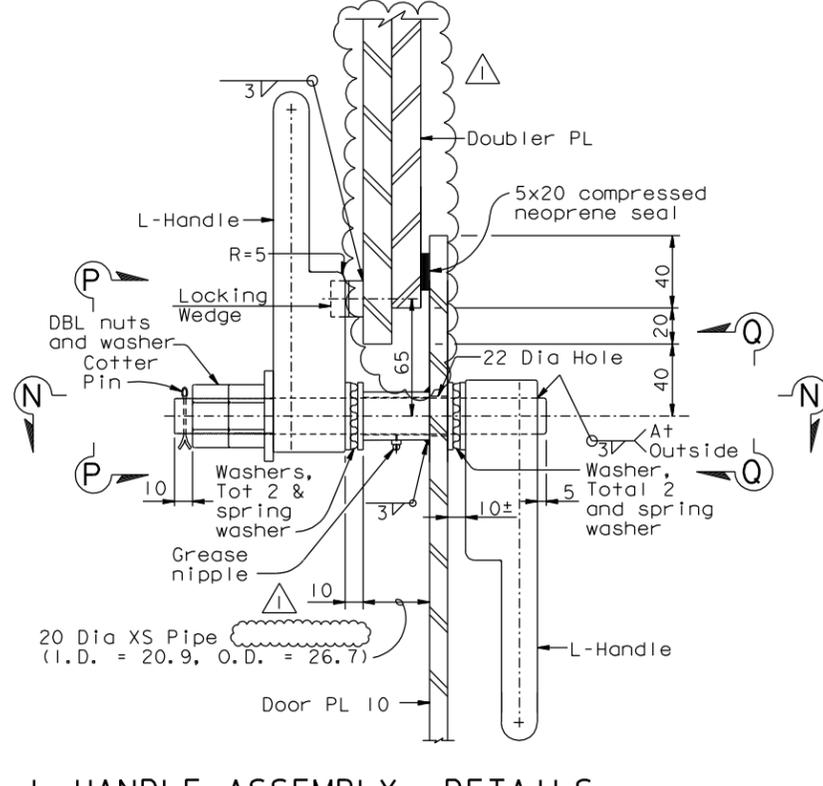
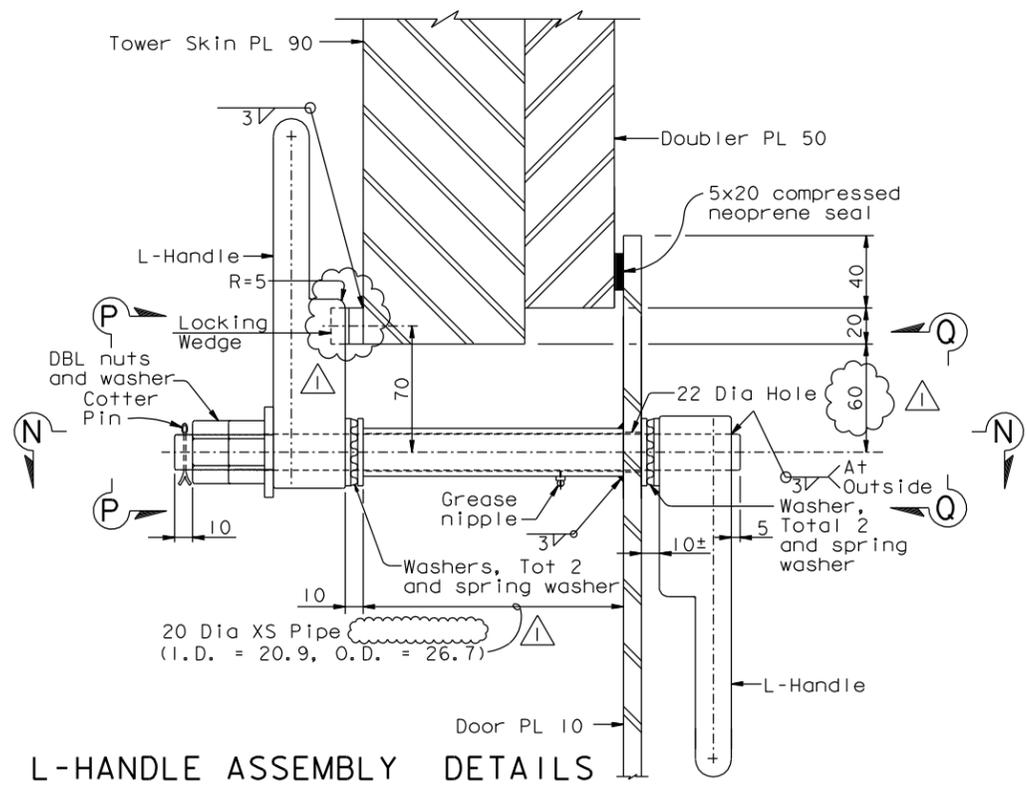
REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
05/07/09	503SI	

100% P&E
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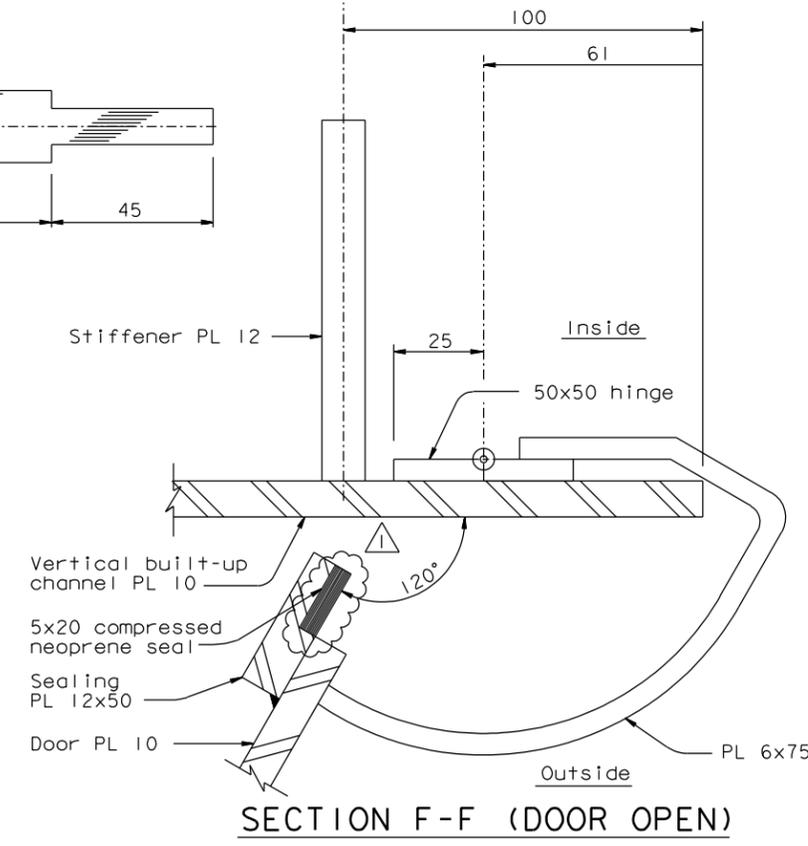
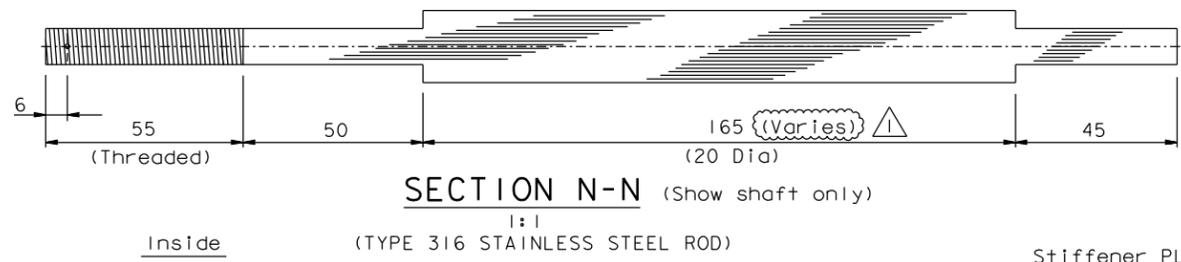
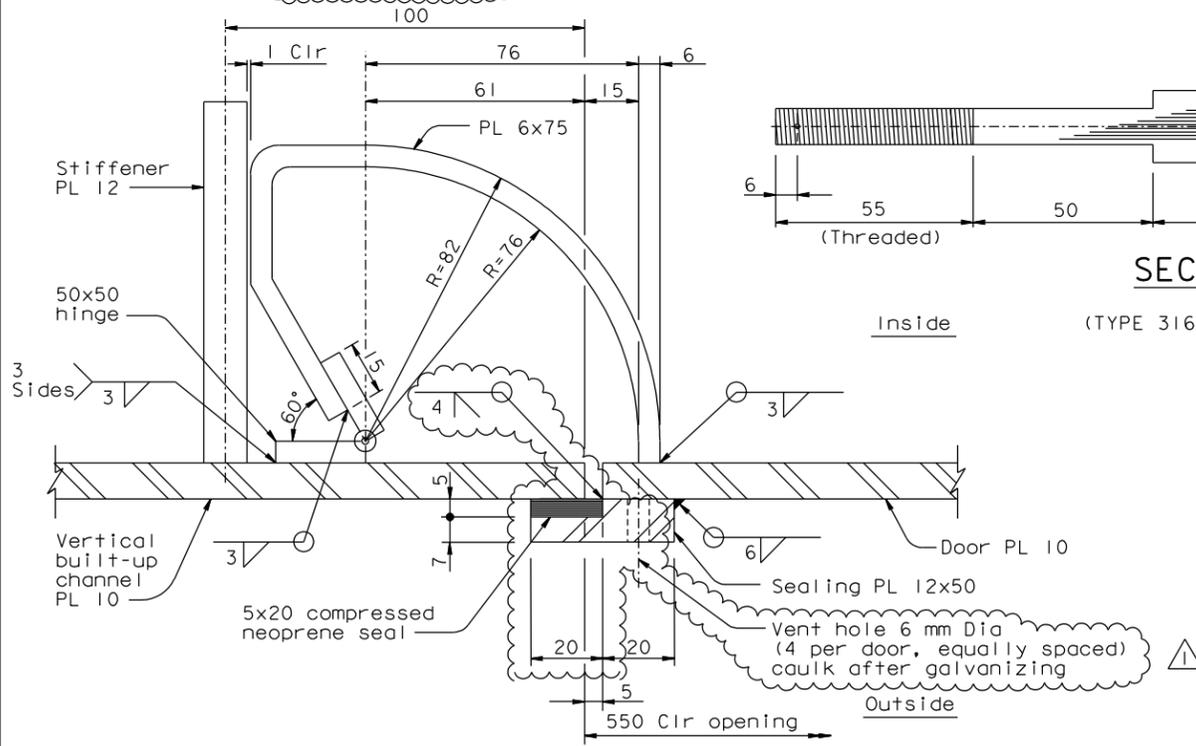
DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	920S2R1	1204

REGISTERED ENGINEER - CIVIL	
05-07-09	
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1:2 (For Tower Skin PL)

1:2 (Typical)



SECTION E-E

SECTION P-P

SECTION Q-Q

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

R. Valizadeh/V. Toan/Y.L./W.L./F.C.	10/29/10	DOORS AND LADDER CAGES	MN	NV	118
DESIGN OVERSIGHT	05/07/09	DOORS AND LADDER CAGES	MN	NV	118
Rev. Date: 5-18-98	10/29/10	DOORS AND LADDER CAGES	BY	CH'D	CCO#

DESIGN	BY M. Nader	CHECKED N. Vo
DETAILS	BY M. Nader	CHECKED N. Vo
QUANTITIES	BY M. Nader	CHECKED N. Vo

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R. Manzanarez	BRIDGE NO.
PROJECT ENGINEER	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 ACCESS DETAILS NO. 4B



CU 04 EA 0120F1

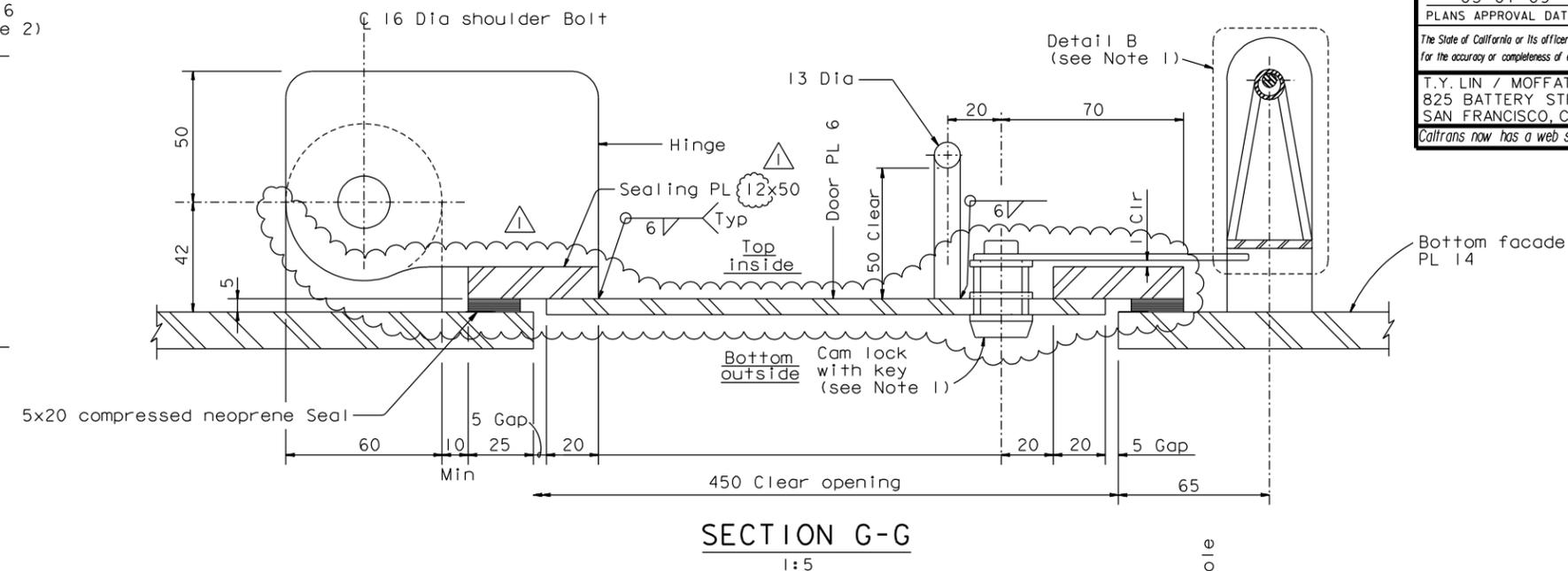
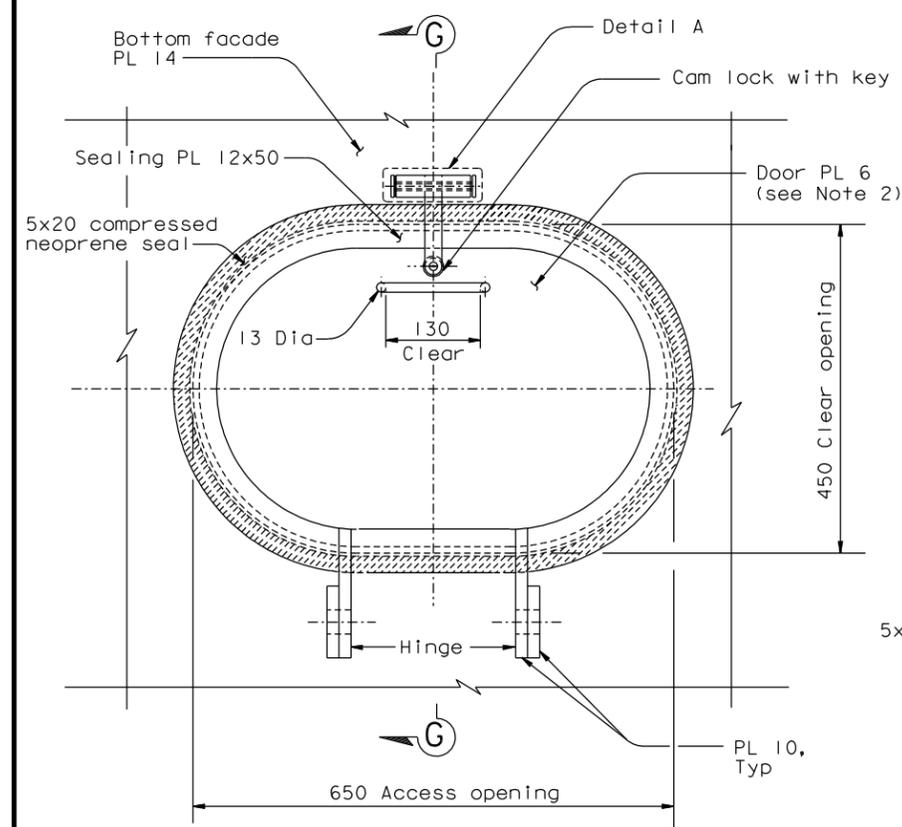
DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET 503S2R1 OF
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100% P&E DATE PLOTTED => 29 OCT 2010 USERNAME => DWITrow



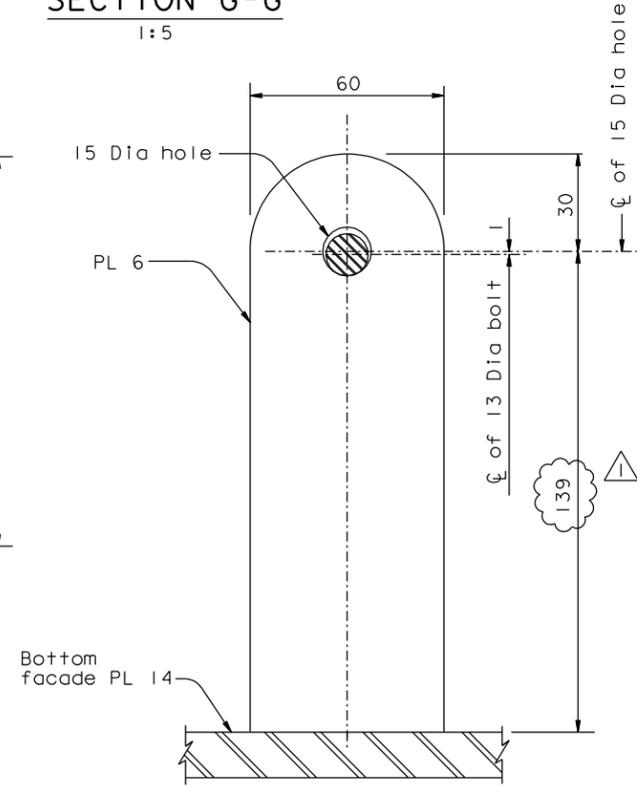
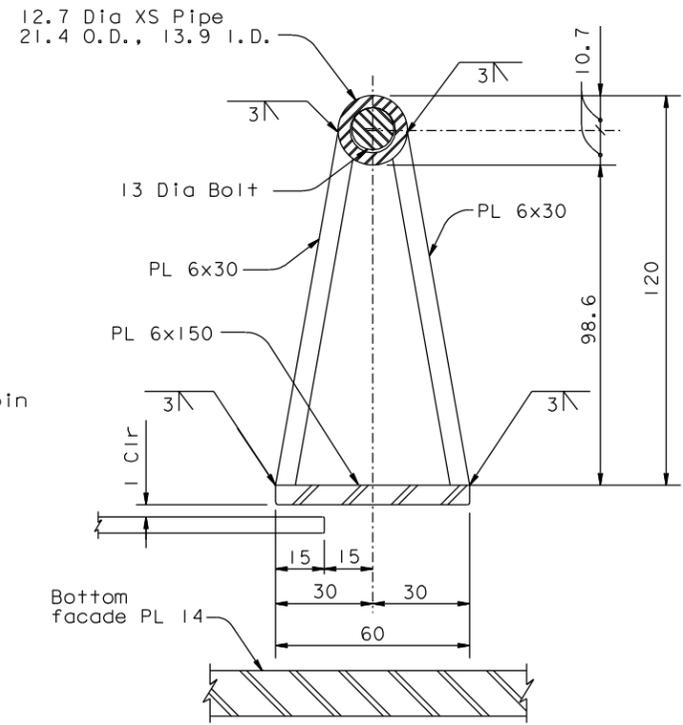
DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	92053R1	1204

REGISTERED ENGINEER - CIVIL
 05-07-09
 PLANS APPROVAL DATE
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PLAN
BOTTOM FACADE ACCESS OPENING
1:20

SECTION G-G
1:5

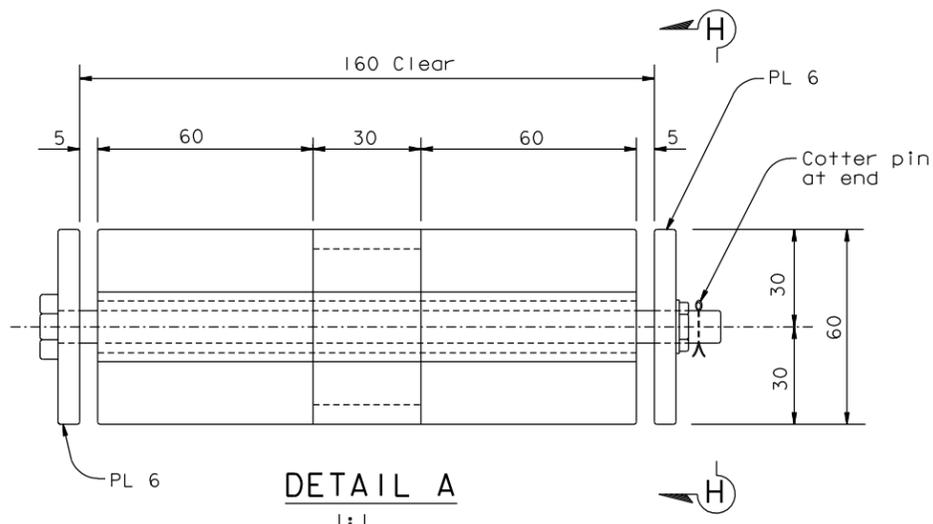


DETAIL B
NTS

SECTION H-H
NTS

NOTES:

1. Provide through-hole mounted cam lock with key at bottom facade Elev 18 and 65 m only.
2. Edges of door shall be sealed with a 6x20 uncompressed neoprene seal. The neoprene shall conform with Section 51-1.145, "Strip Waterstops," of the Standard Specifications, except the neoprene shall have a hardness of 40 +/-5.



DETAIL A
1:1

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

R. Valizadeh/V.Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 10/29/10

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
Δ	10/29/10	DOORS AND LADDER CAGES	MN	NV	118
Δ	05/07/09	DOORS AND LADDER CAGES	MN	NV	118

DESIGN	BY	CHECKED
BY	M. Nader	N. Vo
DETAILS	M. Nader	N. Vo
QUANTITIES	M. Nader	N. Vo

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)
TOWER ACCESS DETAILS NO. 4C

Rev. Date: 5-18-98

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS

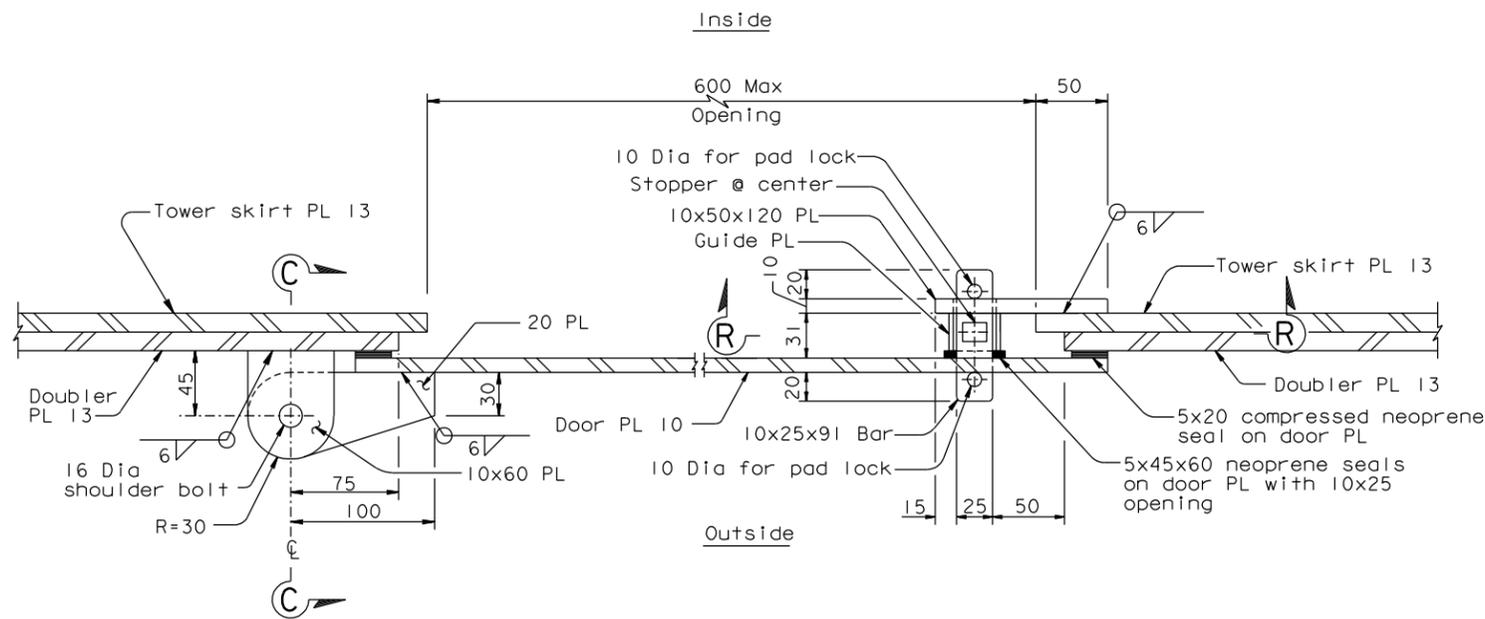
CU 04
EA 0120F1

DISREGARD PRINTS BEARING EARLIER REVISION DATES
REVISION DATES (PRELIMINARY STAGE ONLY)
SHEET 50353R1 OF 50353R1



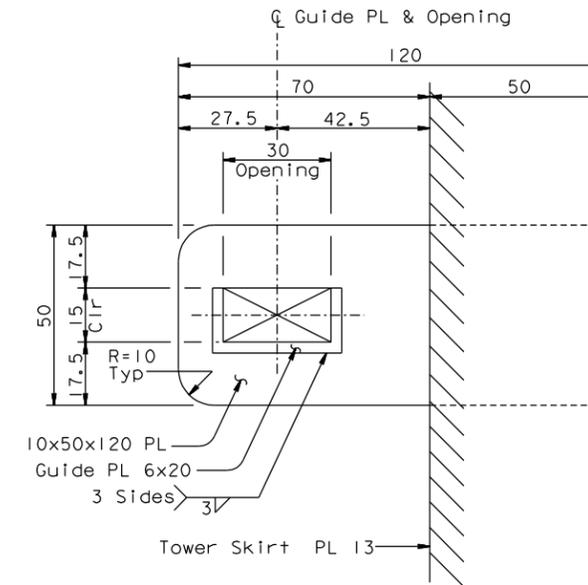
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04	SF	80	13.2/13.9	92054	1204

REGISTERED ENGINEER - CIVIL	
10-29-10	
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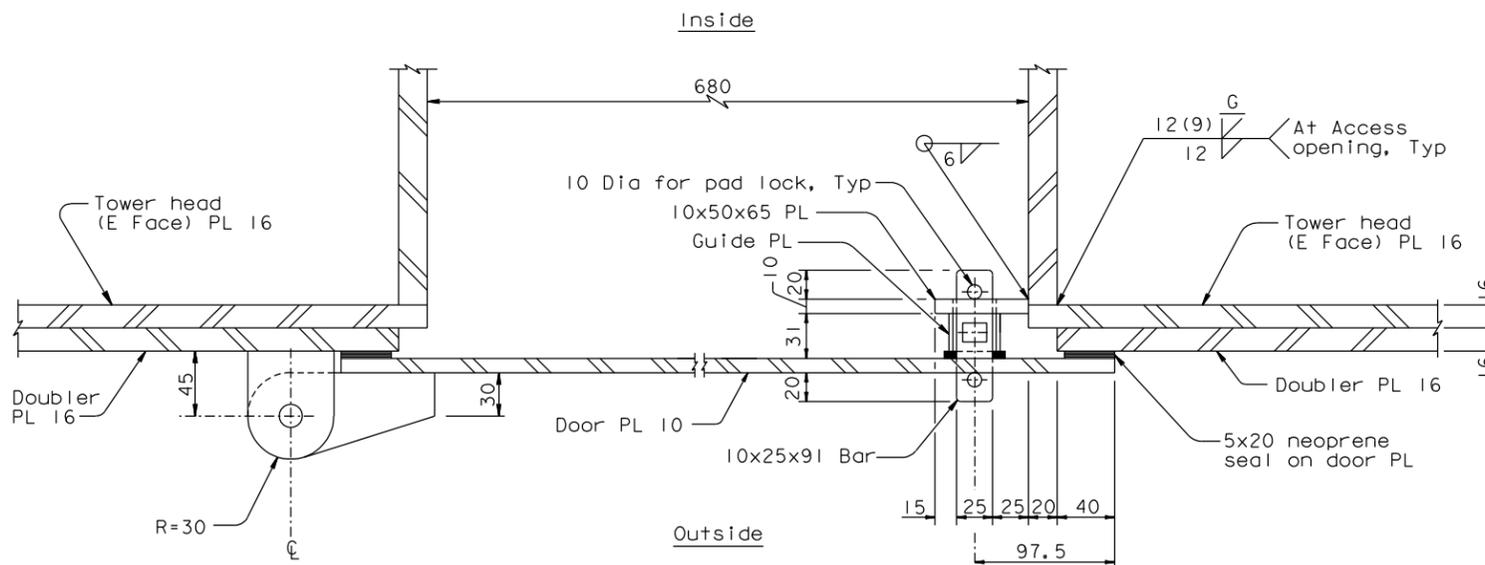
ACCESS OPENING DOOR HINGE AND LOCK DETAIL (FOR TOWER SKIRT PL)

1:2.5



SECTION R-R

1:10



ACCESS OPENING DOOR HINGE AND LOCK DETAIL (FOR TOWER HEAD PL)

1:2.5

CONTRACT CHANGE ORDER NO. _____
SHEET ____ OF ____

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

R. Valizadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 10/29/10

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
	10/29/10	DOORS AND LADDER CAGES	MN	NV	118

DESIGN	BY	CHECKED
	M. Nader	N. Vo
DETAILS	BY	CHECKED
	M. Nader	N. Vo
QUANTITIES	BY	CHECKED
	M. Nader	N. Vo

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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)

TOWER ACCESS DETAILS NO. 4D

Rev. Date: 5-18-98

ORIGINAL SCALE IN MILLIMETERS
FOR REDUCED PLANS

CU 04
EA 0120F1

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

10/29/10

SHEET 50354 OF



DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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REGISTERED ENGINEER - CIVIL

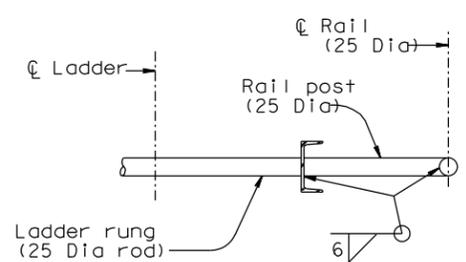
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PLANS APPROVAL DATE

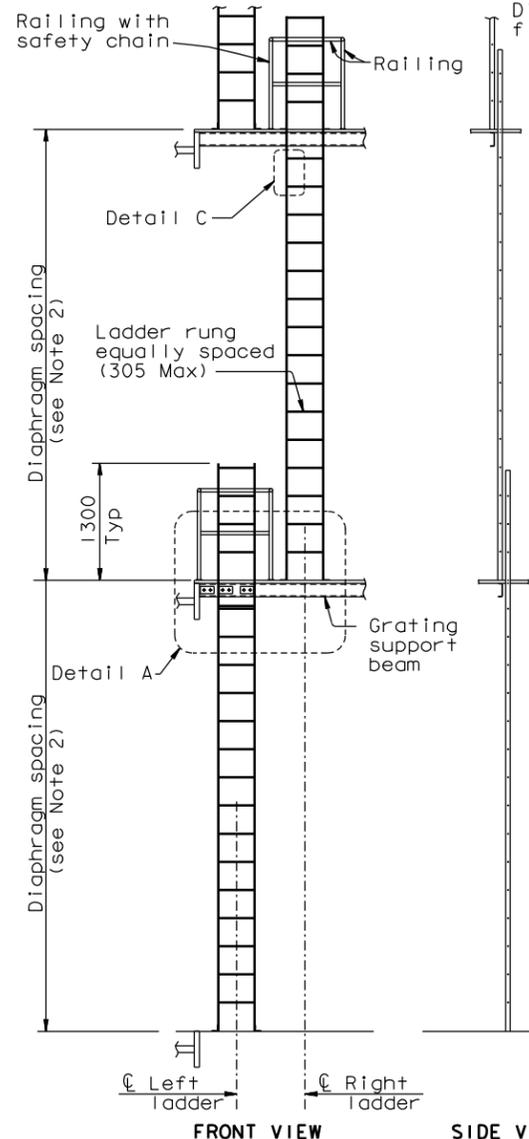
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SECTION D-D
1:5

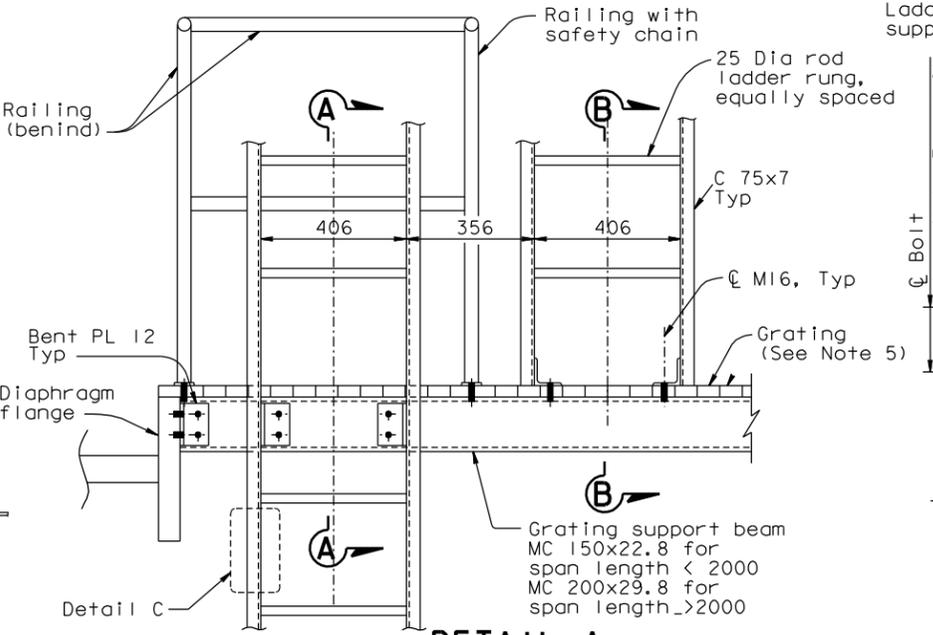


TYPICAL LADDER DETAIL (Shown for ladder platform Type 1, see Note 3)
1:40

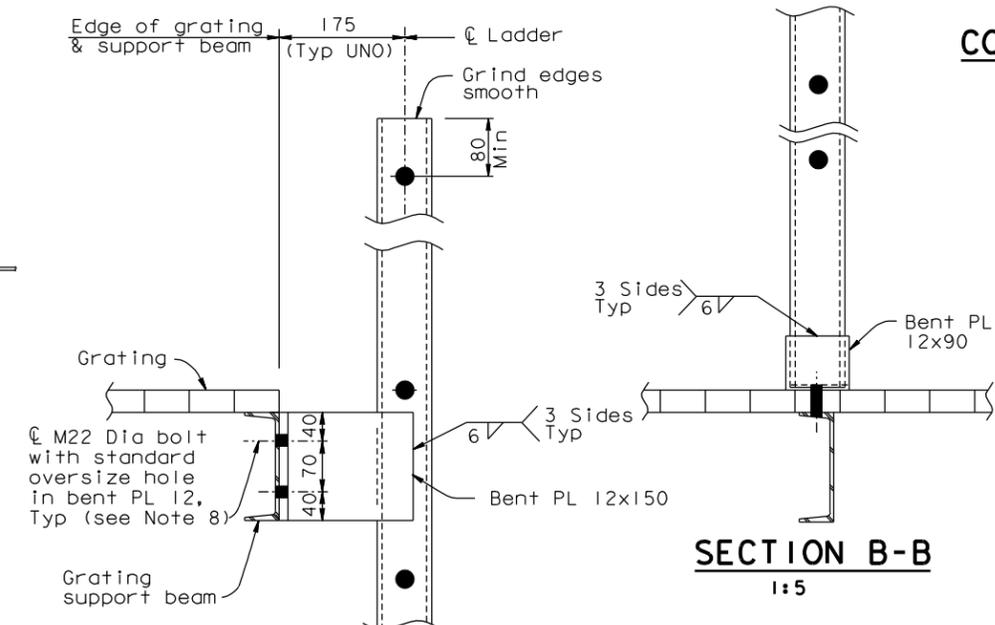
CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE.

05/01/09	DOORS AND LADDER CAGES	MN	NV	118
08/15/08	TOWER ACCESS	NV	MN	65
MARK DATE	DESCRIPTIONS	BY	CH'D	CCO#
REVISIONS				



DETAIL A
1:10

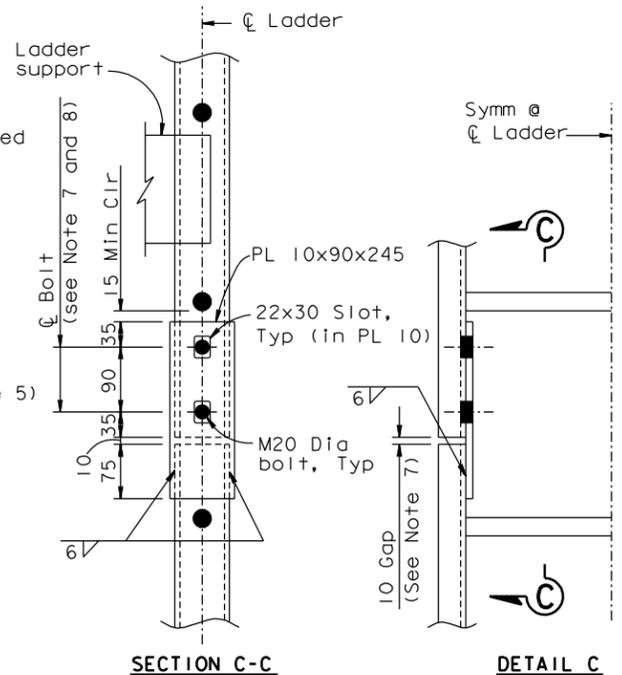


SECTION A-A
1:5

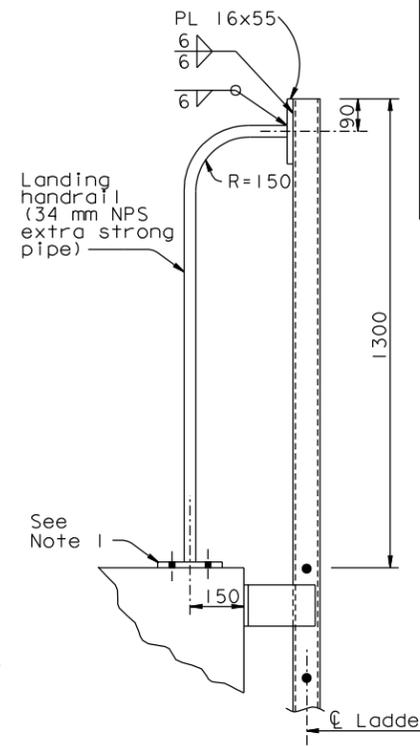
SECTION B-B
1:5

TYPICAL LADDER CONNECTIONS TO SUPPORT BEAM
1:5

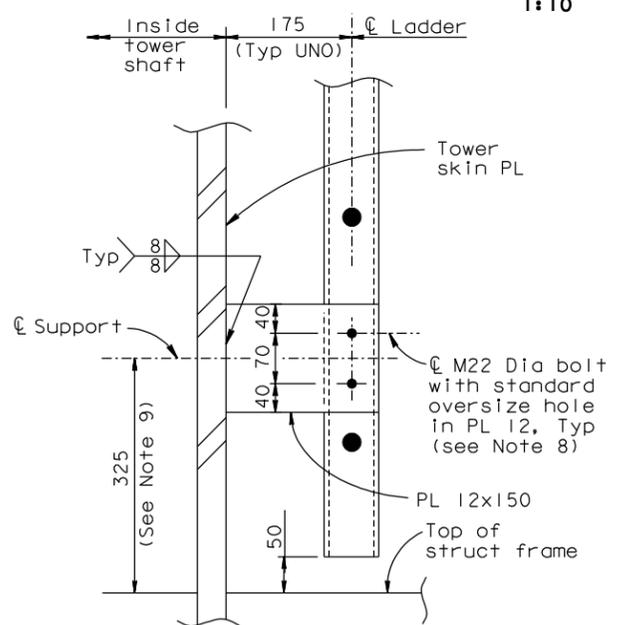
7. Bolts shall be centered in the vertical slotted holes and the 10 mm gap shall be maintained prior to load transfer.
8. Bolts shall be installed snug-tight prior to load transfer and fully tensioned after load transfer.
9. At the Contractor's option, dimension may be adjusted to ensure ladder support is located between the first and second ladder runs.



TYPICAL LADDER CONTRACTION JOINT DETAIL
1:5



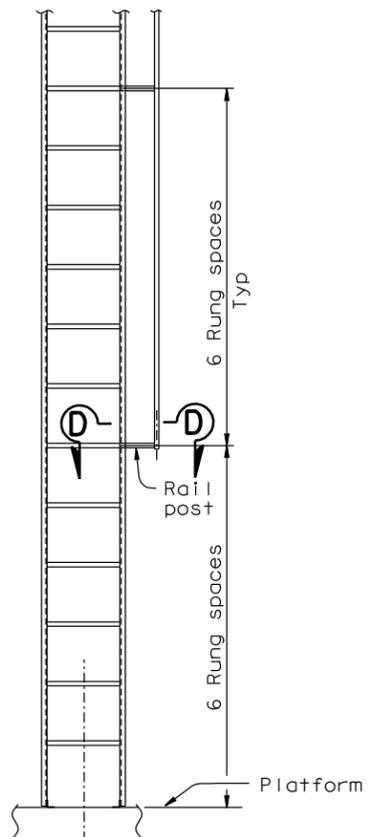
LANDING HANDRAIL DETAIL
1:10



TYPICAL LADDER CONNECTIONS TO TOWER FACE
1:5

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- NOTES:
1. For railing base plate details, see "Tower Access Details No. 8" sheet.
 2. For diaphragm spacing, see "Tower Diaphragm Details" sheets.
 3. Ladder connections vary. For typical ladder connections to diaphragm flange, see "Tower Access Details No. 8" sheet.
 4. For ladder runs longer than 6.10 m. (20 ft) safety cage shall be provided around ladder. For safety cage details, see "Tower Access Details No. 16" sheet.
 5. Galvanized steel grating with fasteners to be provided by Contractor. Grating working load shall be 4.8 kN/m² (100 psf).



ELEVATION VIEW WITH LADDER AND SAFETY RAIL
1:20 (see Note 4)

R. Valizadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
R. Valizadeh / V. Toan / Y. Liu
SIGN OFF DATE 05/01/09

05/01/09	DOORS AND LADDER CAGES	MN	NV	118
08/15/08	TOWER ACCESS	NV	MN	65
MARK DATE	DESCRIPTIONS	BY	CH'D	CCO#
REVISIONS				

DESIGN	BY M. Nader	CHECKED M. Gulyas
DETAILS	BY G. Baker	CHECKED L. Rus
QUANTITIES	BY D. Turner	CHECKED J. Leventini

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DEPARTMENT OF TRANSPORTATION

R. Manzanarez
PROJECT ENGINEER

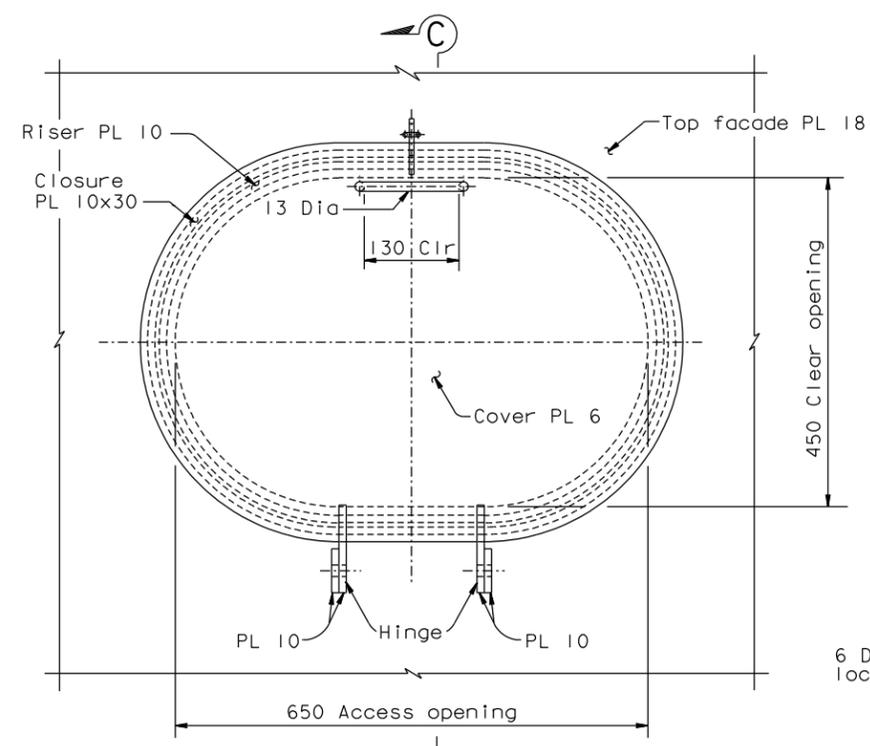
BRIDGE NO.	34-0006L/R
KILOMETER POST	13.2/13.9
TOWER ACCESS DETAILS NO. 7	



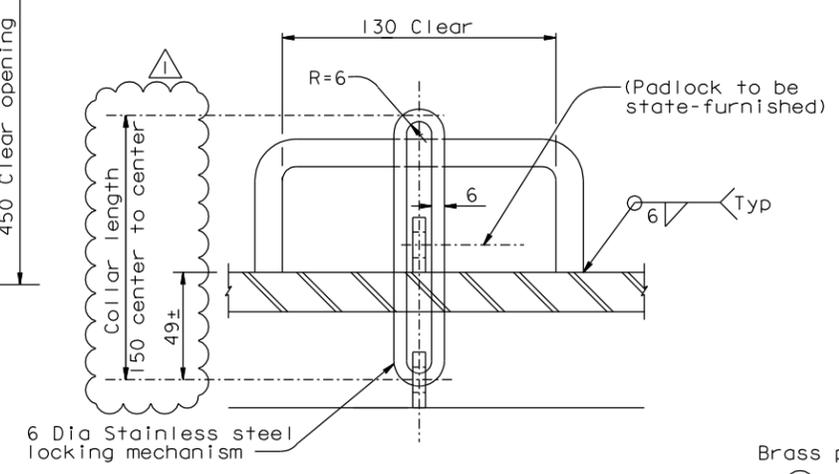
DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	925SIRI	1204



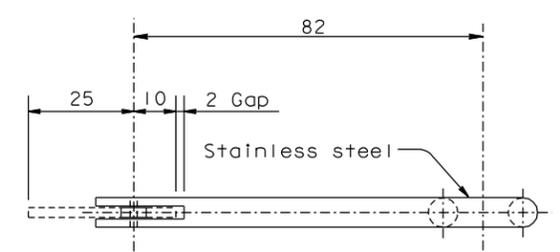
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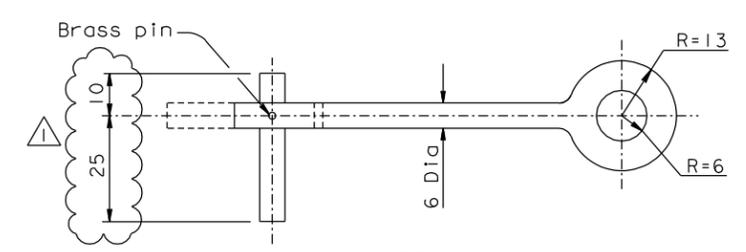
ALTERNATIVE COVER DETAIL WITH RISER
 1:10



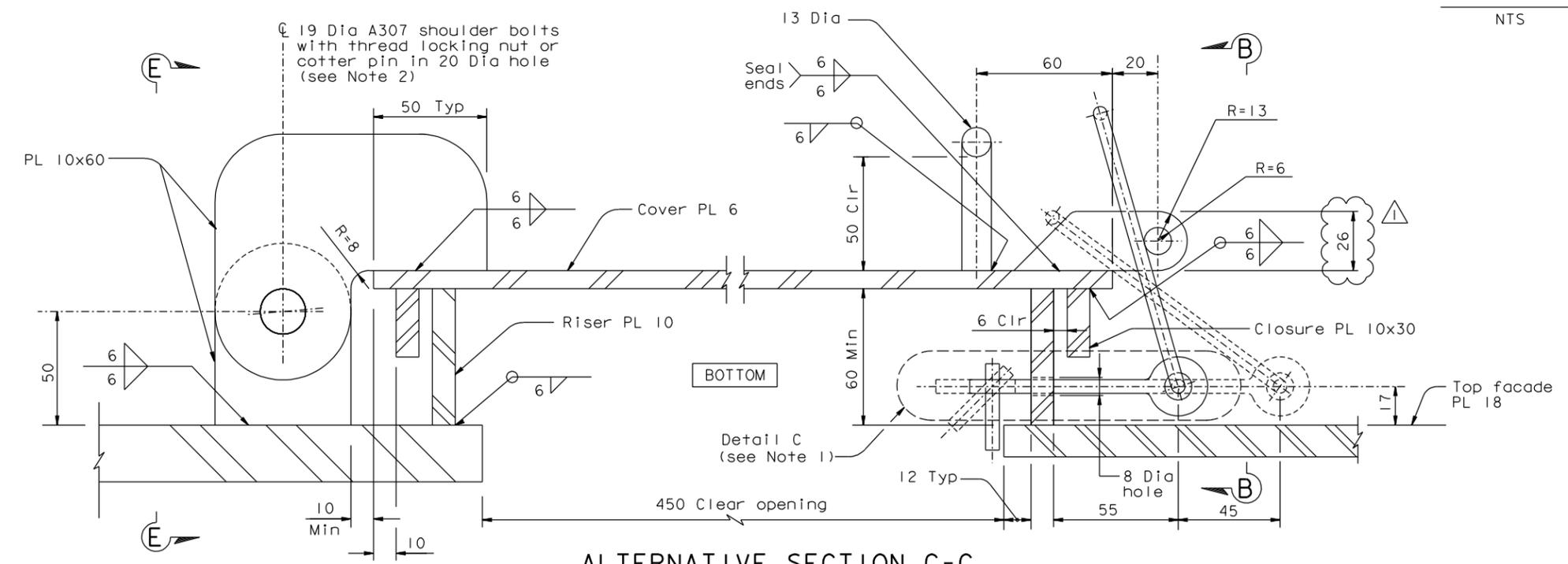
SECTION B-B
 NTS



PLAN-LOCKING EYE
 NTS



DETAIL C
 NTS



ALTERNATIVE SECTION C-C
 1:1.25

NOTES:

1. Provide locking mechanism with interior release at Top Facade Elev 53 m only.
2. At the Contractor's option, ASTM A574 shoulder bolts may be used in lieu of A307 bolts provided that they are galvanized. The following alternatives are also acceptable:
 - 19 mm (3/4 inch) Dia shoulder bolts of stainless steel material.
 - Provide stainless steel heavy hex head bolts with thread locking nut or cotter pin, and ensure the un-threaded shank extends 2 to 4 mm beyond the hinge gripped plates.

CONTRACT CHANGE ORDER NO. _____
 SHEET _____ OF _____

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△	10/29/10	DOORS AND LADDER CAGES	MN	NV	118
△	05/01/09	DOORS AND LADDER CAGES	MN	NV	118

DESIGN	BY	CHECKED
BY	M. Nader	N. Vo
DETAILS	BY	CHECKED
	M. Nader	N. Vo
QUANTITIES	BY	CHECKED
	M. Nader	N. Vo

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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)
TOWER ACCESS DETAILS NO. 9A

Rev. Date: 5-18-98



CU 04
 EA 0120F1

REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
05/01/09	508SIRI	

100% PS&E
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 USERNAME => DWInow DATE PLOTTED => 29 OCT 2010