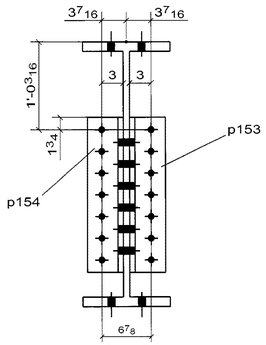
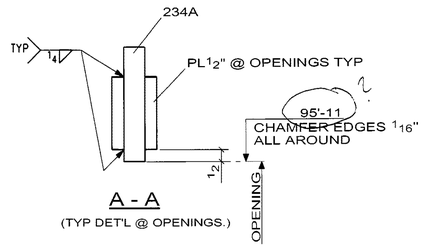
No to SHIP	SHIP MARK	No PIECES	PIECE MARK	DESCRIPTION	LENGTH	UNIT WT.	GRADE	REMARKS
2	234A			FLOOR BEAM		9847		
		2	234A	W36X210	44'-6 1/16"	9361	AASHTO M 270 GR. 50	
		4	p99	PL1/2X13	1'-9 1/8"	39	AASHTO M 270 GR. 50	
		12	p100	FB1/2X11	0'-11"	17	AASHTO M 270 GR. 50	
		4	p101	PL1/2X17	1'-5"	41	AASHTO M 270 GR. 50	
		4	p153	L8 X5 X3/4	1'-9 1/2"	56	AASHTO M 270 GR. 50	
		4	p154	L8 X5 X3/4	1'-9 1/2"	56	AASHTO M 270 GR. 50	
		48	b1	7/8Ø A325 BOLT	3 3/4			

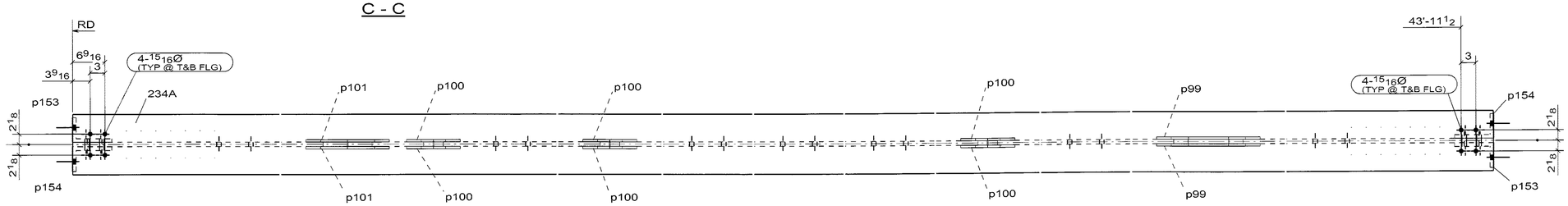


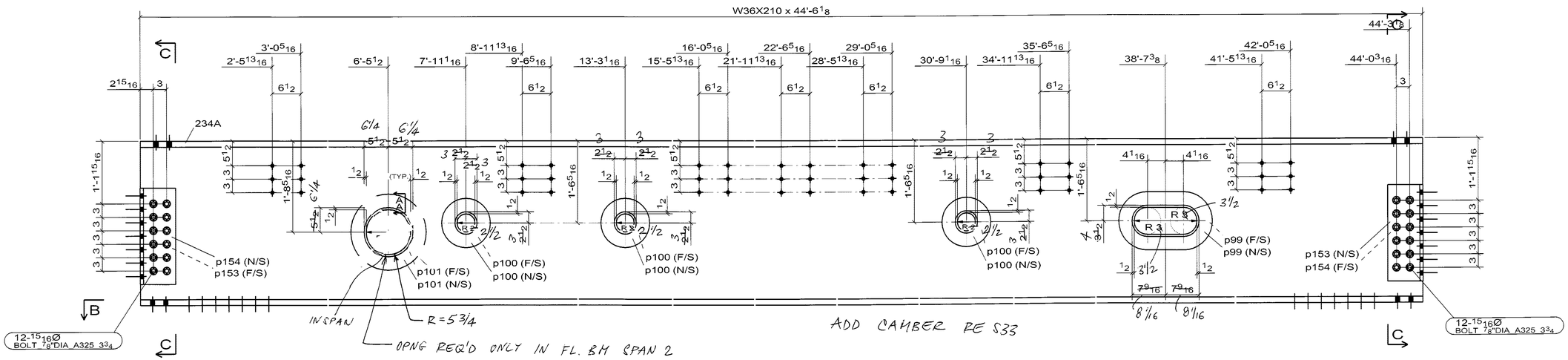
C - C

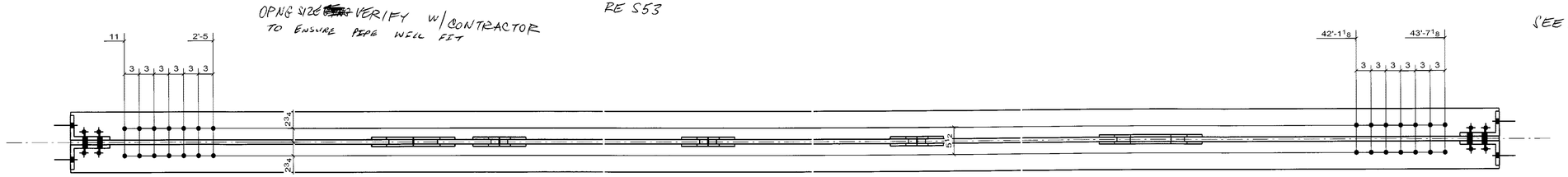


A - A

(TYP DET'L @ OPENINGS.)







B - B

☐ CONFORMS TO DESIGN CONCEPT
☐ CONFORMS TO DESIGN CONCEPT WITH REVISIONS AS SHOWN
☒ NON-CONFORMING–REVISE & RESUBMIT

THIS SHOP DRAWING HAS BEEN REVIEWED FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY AND DOES NOT RELIEVE THE FABRICATOR/VENDOR OF RESPONSIBILITY FOR CONFORMANCE WITH DESIGN DRAWINGS AND SPECIFICATIONS ALL OF WHICH HAVE PRIORITY OVER THIS SHOP DRAWING.

By A.F. Date 10/13/06

I.IN & ASSOCIATES, INC.

CONTRACTOR NOTE:
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PRINT RECORD

NO.	USE	DATE
	APPR.	
	APPR.	
	PURCH	
	FAB	
	FAB. OFFICE	
	Q.A.	
	DIST.	
	ERECT.	

OPEN HOLES 15/16 Ø U/N
WELD BRIDGE WELDING CODE: D1.5
STEEL AS NOTED
BOLTS
SURFACE PREP-SP
PAINT SEE SPECS
REF DRAWING E2; E3

REV	DATE	DESCRIPTION	VS
0	SEP/10/06	FOR APPROVAL	

RAINIER WELDING
19020 NE 84TH STREET - REDMOND, WA 98053
(425) 868-1300 FAX (425) 868-8872
STEEL AND ALUMINUM FABRICATING

PROJECT TOLT BRIDGE No 1834A
THIS DRAWING INCLUDES
FOR SNOHOMISH COUNTY OFFICIAL
DRAWN DJ DATE 07/28/2006 CHK DSC DATE 09/10/2006 DWG NUMBER 2707 - 234A

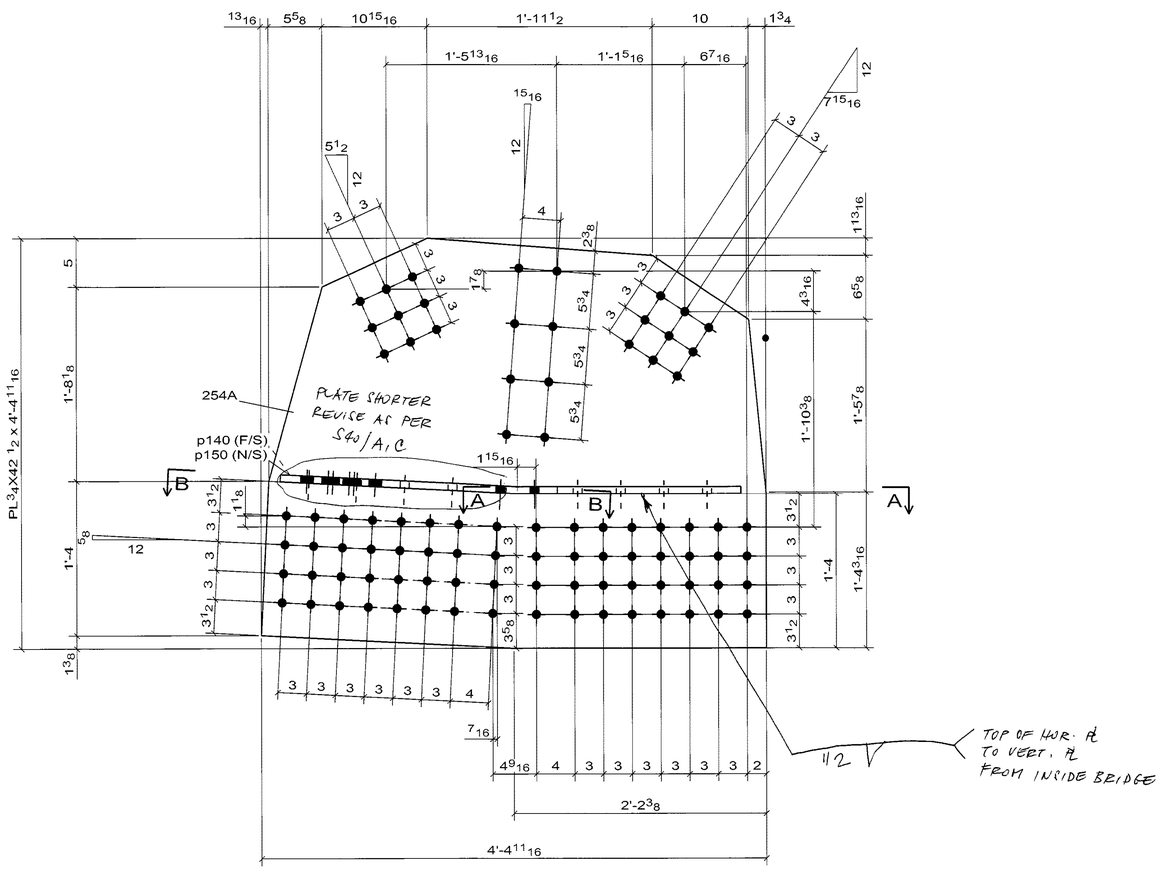
2 - FLOOR BEAM -234A

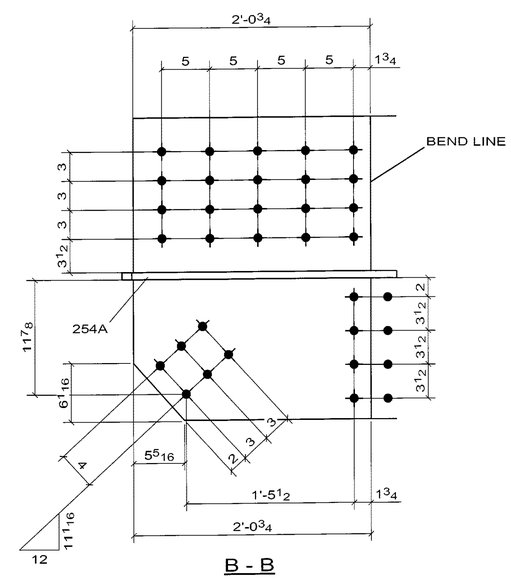
SHOP NOTE:
- SEE 1SK FOR WELDED STUD DETAIL.

WELD NOTE FOR ANY ASSEMBLY REQUIRING TACK WELDS:
- ALL TACK WELDS ARE TO BE MADE IN THE WELD JOINT ONLY

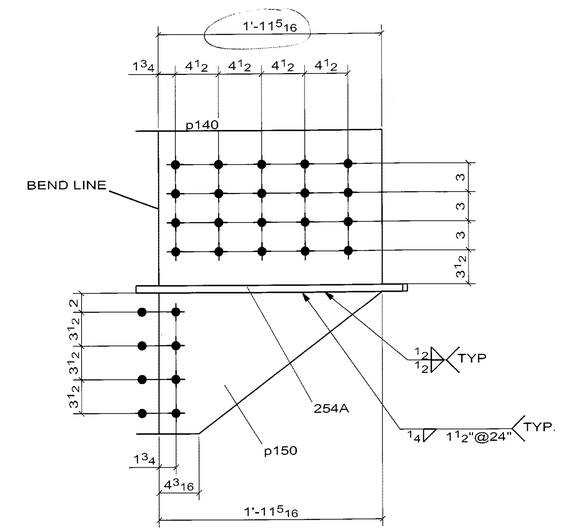
PRO DRAFT INC. PD# 676 PH:(604)589-6425
DRAWINGS PREPARED ON 3D-Xsteel File Name :- A [234 A]
Model Name: 725_102_TOLT_BRIDGE_541
Plot Date: 09/10/2006 12:14:02

No to SHIP	SHIP MARK	No PIECES	PIECE MARK	DESCRIPTION	LENGTH	UNIT WT.	GRADE	REMARKS
2	254A			GUSSET_PL		868		
		2	254A	PL3/4X42 1/2	4'-4 11/16"	589	AASHTO M 270 GR. 50	FCM/V
		2	p140	PL3/4X16	4'-0 1/16"	163	AASHTO M 270 GR. 50	BEND
		2	p150	PL3/4X14 5/8	4'-0 1/16"	116	AASHTO M 270 GR. 50	BEND





B - B



A - A

☐ CONFORMS TO DESIGN CONCEPT
☐ CONFORMS TO DESIGN CONCEPT WITH REVISIONS AS SHOWN
☒ NON-CONFORMING–REVISE & RESUBMIT

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By A. F. Date 10/13/06

LIN & ASSOCIATES, INC.

2 - GUSSET_PL -254A

WELD NOTE FOR ANY ASSEMBLY REQUIRING TACK WELDS:
- ALL TACK WELDS ARE TO BE MADE IN THE WELD JOINT ONLY

CONTRACTOR NOTE:
THIS DRAWING IS BEING SUBMITTED FOR APPROVAL AS REQUIRED. VERIFY OR SUPPLY ALL QUANTITIES, ALL DIMENSIONS, ALL INFORMATION, & ALL CONFIGURATIONS.

PRINT RECORD

NO.	USE	DATE
	APPR.	
	APPR.	
	PURCH	
	FAB	
	FAB. OFFICE	
	Q.A.	
	DIST.	
	ERECT.	

OPEN HOLES 15/16 Ø U/N
WELD BRIDGE WELDING CODE: D1.5
STEEL AS NOTED
BOLTS
SURFACE PREP-SP
PAINT SEE SPECS
REF.DRAWING E7, E8

REV	DATE	DESCRIPTION	VS
0	SEP/10/06	FOR APPROVAL	

RAINIER WELDING

19020 NE 84TH STREET - REDMOND, WA 98053
(425) 868-1300 FAX (425) 868-8872
STEEL AND ALUMINUM FABRICATING

PROJECT TOLT BRIDGE No 1834A
THIS DRAWING INCLUDES
FOR SNOHOMISH COUNTY OFFICIAL
DRAWN DJ DATE 07/31/2006
CHK DSC DATE 09/10/2006
DWG NUMBER 2707 - 254A 0

PRO DRAFT INC. PD# 676 PH:(604)589-6425
DRAWINGS PREPARED ON 3D-Xsteel File Name > A (254.A)
Model Name: 725_102_TOLT_BRIDGE_541
Plot Date: 09/10/2006 12:15:04

No to SHIP	SHIP MARK	No PIECES	PIECE MARK	DESCRIPTION	LENGTH	UNIT WT.	GRADE	REMARKS
2	252A			BOX_BM		27484		
		2	252A	PL3/4X105 7/8	44'-11 5/16"	12111	AASHTO M 270 GR. 50	
		2	p54	PL3/4X14 1/2	19'-2"	676	AASHTO M 270 GR. 50	
		4	p55	PL3/4X14 1/2	3'-8 11/16"	122	AASHTO M 270 GR. 50	
		4	p56	PL3/4X14 1/2	12'-9 9/16"	439	AASHTO M 270 GR. 50	
		4	p57	PL3/4X14 1/2	5'-7 9/16"	208	AASHTO M 270 GR. 50	
		4	p58	PL3/4X14 1/2	1'-10 1/2"	69	AASHTO M 270 GR. 50	
		4	p59	PL3/4X14 1/2	5'-0 11/16"	170	AASHTO M 270 GR. 50	
		4	p60	PL3/4X14 1/2	7'-8 1/2"	285	AASHTO M 270 GR. 50	
		2	p105	PL3/4X105 7/8	44'-11 5/16"	12111	AASHTO M 270 GR. 50	

☐ CONFORMS TO DESIGN CONCEPT
☒ CONFORMS TO DESIGN CONCEPT WITH REVISIONS AS SHOWN
☐ NON-CONFORMING--REVISE & RESUBMIT

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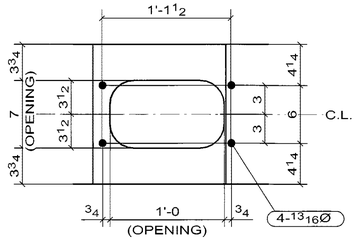
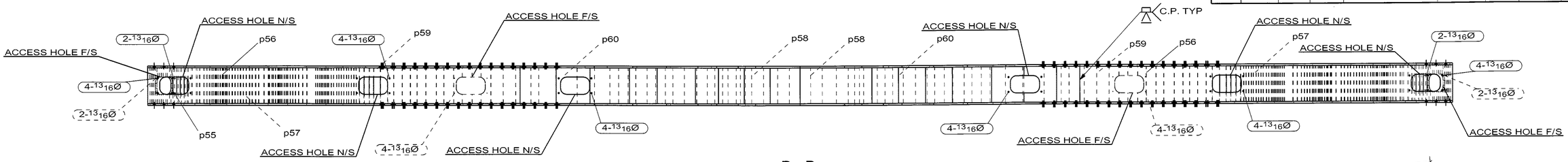
By A.F. 10/13/06

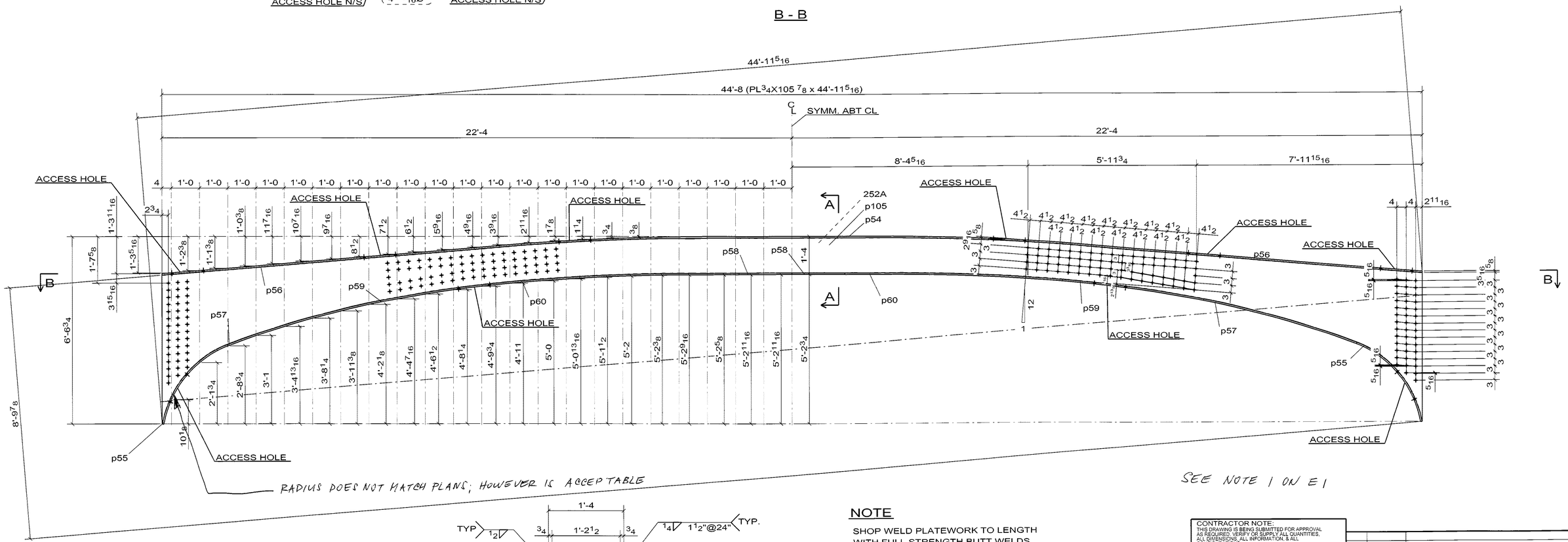
I.IN & ASSOCIATES, INC.

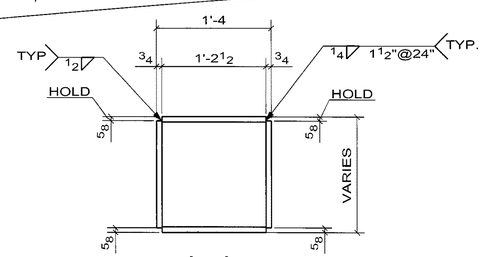


TYP ACCESS HOLE DETAIL



B - B





A - A

NOTE

SHOP WELD PLATEWORK TO LENGTH WITH FULL STRENGTH BUTT WELDS

2 - BOX_BM -252A

WELD NOTE FOR ANY ASSEMBLY REQUIRING TACK WELDS:
- ALL TACK WELDS ARE TO BE MADE IN THE WELD JOINT ONLY

CONTRACTOR NOTE:
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PRINT RECORD

NO.	USE	DATE
	APPR.	
	APPR.	
	PURCH.	
	FAB	
	FAB. OFFICE	
	Q.A.	
	DIST.	
	ERECT.	

OPEN HOLES 15/16 Ø U/N
WELD BRIDGE WELDING CODE: D1.5
STEEL AS NOTED
BOLTS
SURFACE PREP-SP
PAINT SEE SPECS
REF DRAWING E10

REV	DATE	DESCRIPTION
0	SEP/10/06	FOR APPROVAL

RAINIER WELDING

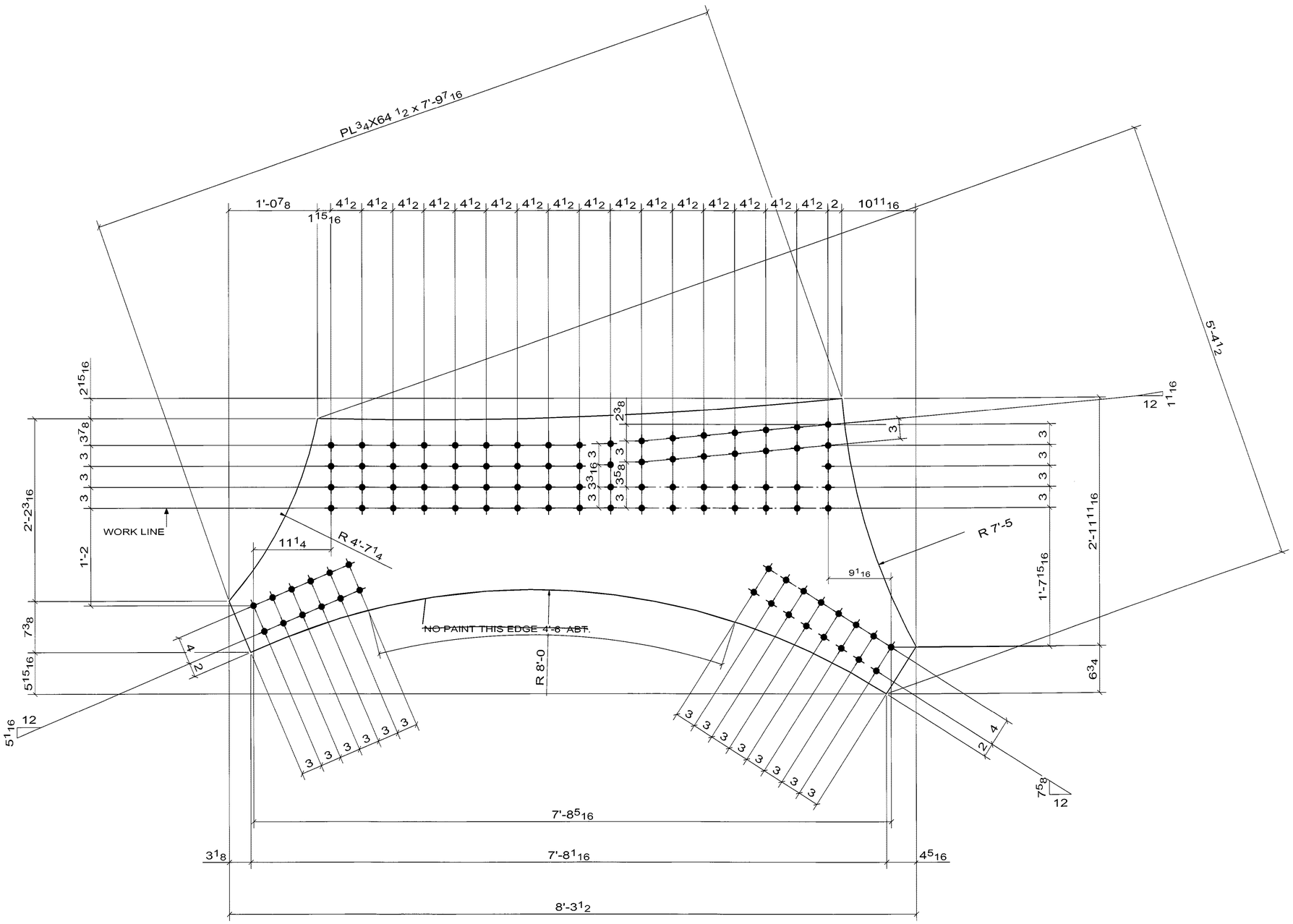
19020 NE 84TH STREET - REDMOND, WA 98053
(425) 868-1300 FAX (425) 868-8872
STEEL AND ALUMINUM FABRICATING

PROJECT TOLT BRIDGE No 1834A
THIS DRAWING INCLUDES
FOR SNOHOMISH COUNTY OFFICIAL

DRAWN DJ DATE 07/31/2006 | CHK DSC DATE 09/10/2006 | DWG NUMBER 2707 - 252A | 3

PRO DRAFT INC. PO# 676 PH:(604)589-6425
DRAWINGS PREPARED ON 3D-Xsteel File Name:- A [252.A]
Model Name: 725_102_TOLT_BRIDGE_541
Plot Date: 09/10/2006 12:15:01

No to SHIP	SHIP MARK	No PIECES	PIECE MARK	DESCRIPTION	LENGTH	UNIT WT.	GRADE	REMARKS
8	251A			GUSSET_PL		1278		
		8	251A	PL3/4X64 1/2	7'-9 7/16"	1278	AASHTO M 270 GR. 50	



8 - GUSSET_PL -251A

WELD NOTE FOR ANY ASSEMBLY REQUIRING TACK WELDS:
- ALL TACK WELDS ARE TO BE MADE IN THE WELD JOINT ONLY

CONTRACTOR NOTE:
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NO.	USE	DATE
	APPR.	
	APPR.	
	PURCH	
	FAB	
	FAB. OFFICE	
	Q.A.	
	DIST.	
	ERECT.	

OPEN HOLES: 15/16 Ø U/N
WELD: BRIDGE WELDING CODE: D1.5
STEEL: AS NOTED
BOLTS:
SURFACE PREP-SP:
PAINT: SEE SPECS
REF DRAWING: E10

☒ CONFORMS TO DESIGN CONCEPT
☐ CONFORMS TO DESIGN CONCEPT WITH REVISIONS AS SHOWN
☐ NON-CONFORMING–REVISE & RESUBMIT

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By A.F. Date 10/13/06

I.IN & ASSOCIATES, INC.

REV	DATE	DESCRIPTION	
0	SEP/10/06	FOR APPROVAL	VS

RAINIER WELDING

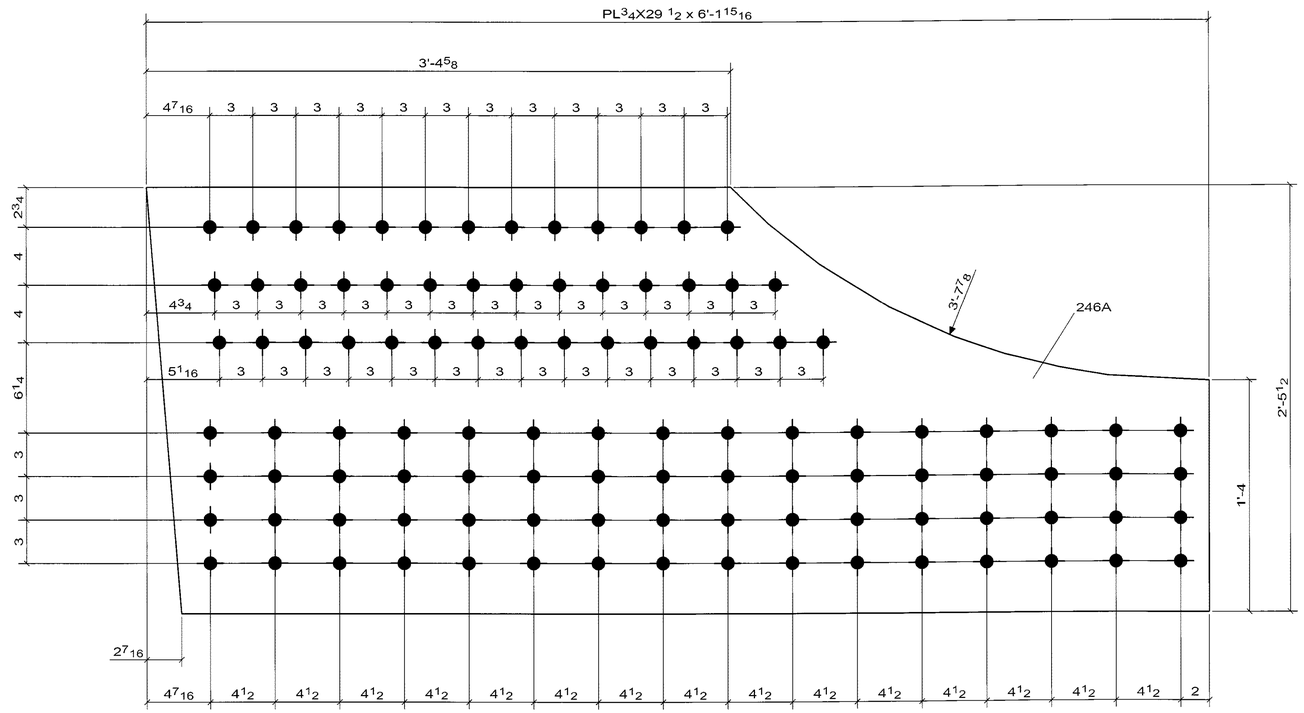
19020 NE 84TH STREET - REDMOND, WA 98053
(425) 868-1300 FAX (425) 868-8872
STEEL AND ALUMINUM FABRICATING

PROJECT: TOLT BRIDGE No 1834A
THIS DRAWING INCLUDES:
FOR: SNOHOMISH COUNTY OFFICIAL

DRAWN	CHK	DWG NUMBER
DJ	DSC	2707 - 251A
DATE 07/31/2006	DATE 09/10/2006	

PRO DRAFT INC. PO# 676 PH:(604)589-6425
DRAWINGS PREPARED ON 3D-Xsteel File Name : A (251.A)
Model Name: 725_102_TOLT_BRIDGE_541
Plot Date: 09/10/2006 12:14:43

No to SHIP	SHIP MARK	No PIECES	PIECE MARK	DESCRIPTION	LENGTH	UNIT WT.	GRADE	REMARKS
8	246A			GUSSET_PL		463		
		8	246A	PL3/4X29 1/2	6'-1 15/16"	463	AASHTO M 270 GR. 50	



8 - GUSSET_PL -246A

WELD NOTE FOR ANY ASSEMBLY REQUIRING TACK WELDS:
- ALL TACK WELDS ARE TO BE MADE IN THE WELD JOINT ONLY

☒ CONFORMS TO DESIGN CONCEPT
☐ CONFORMS TO DESIGN CONCEPT WITH REVISIONS AS SHOWN
☐ NON-CONFORMING-REVISE & RESUBMIT

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By A.F. Date 10/13/06

I.IN & ASSOCIATES, INC.

CONTRACTOR NOTE:
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PRINT RECORD

NO.	USE	DATE
	APPR.	
	APPR.	
	PURCH	
	FAB	
	FAB. OFFICE	
	Q.A.	
	DIST.	
	ERECT.	

OPEN HOLES: 15/16 Ø U/N
WELD: BRIDGE WELDING CODE: D1.5
STEEL: AS NOTED
BOLTS:
SURFACE PREP: SP
PAINT: SEE SPECS
REF DRAWING: E10

REV	DATE	DESCRIPTION	VS.
0	SEP/10/06	FOR APPROVAL	

RAINIER WELDING

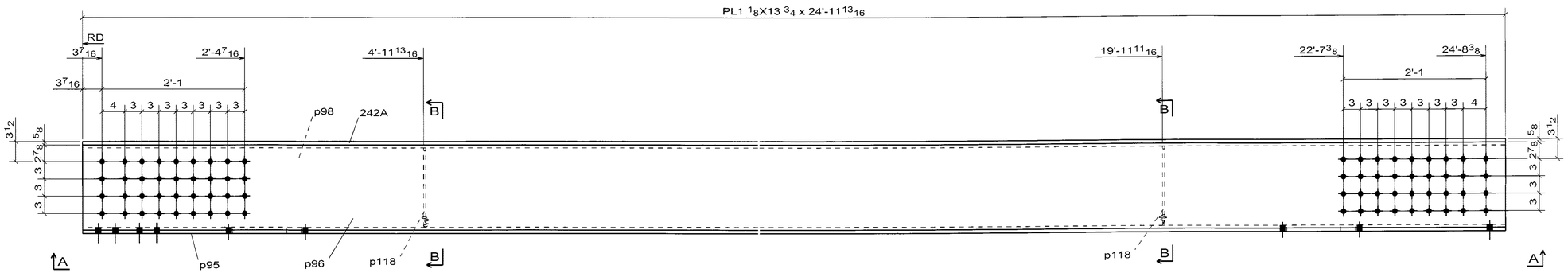
19020 NE 84TH STREET - REDMOND, WA 98053
(425) 868-1300 FAX (425) 868-8872
STEEL AND ALUMINUM FABRICATING

PROJECT: TOLT BRIDGE No 1834A
THIS DRAWING INCLUDES:
FOR: SNOHOMISH COUNTY OFFICIAL

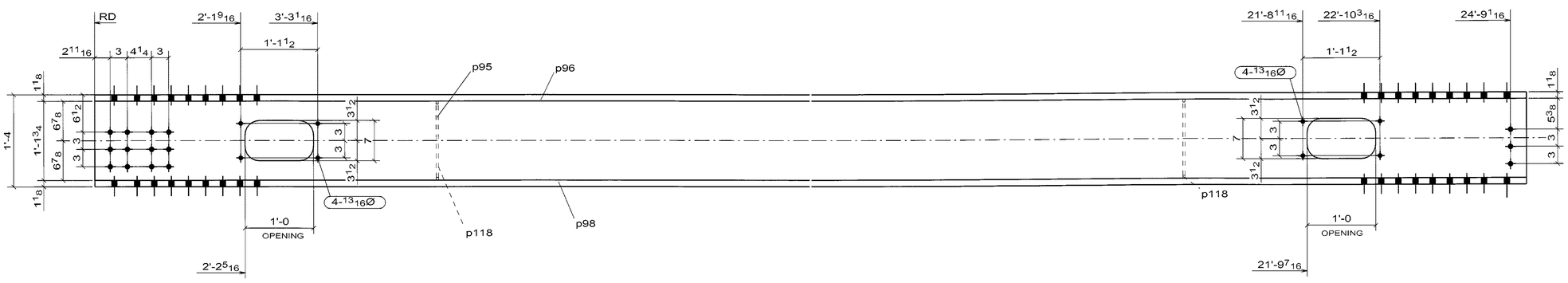
DRAWN	CHK	DWG NUMBER
DJ	DSC	2707 - 246A
DATE 07/31/2006	DATE 09/10/2006	

PRO DRAFT INC. PD/# 676 PH:(604)589-6425
DRAWINGS PREPARED ON: 3D-Xsteel File Name :- A (246.A)
Model Name: 725_102_TOLT_BRIDGE_541
Plot Date: 09/10/2006 12:14:41

No to SHIP	SHIP MARK	No PIECES	PIECE MARK	DESCRIPTION	LENGTH	UNIT WT.	GRADE	REMARKS
2	242A			BOX_BM		5451		
		2	242A	PL1 1/8X13 3/4	24'-11 13/16"	1318	AASHTO M 270 GR. 50	FCM/V
		2	p95	PL1 1/8X13 3/4	24'-11 13/16"	1267	AASHTO M 270 GR. 50	FCM/V
		2	p96	PL1 1/8X14 3/4	24'-11 13/16"	1413	AASHTO M 270 GR. 50	FCM/V
		2	p98	PL1 1/8X14 3/4	24'-11 13/16"	1413	AASHTO M 270 GR. 50	FCM/V
		4	p118	PL3/8X13 3/4	1'-1 3/4"	20	AASHTO M 270 GR. 50	

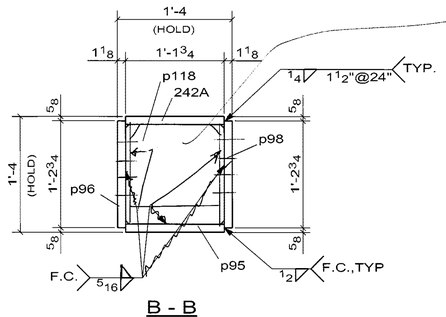


SIDE VIEW



(BOTTOM VIEW)

A - A



B - B

REVISE DIAPH. PL'S AS SHOWN ON 107A
SEE NOTE & SKETCH ON 107A

2 - BOX_BM -242A

WELD NOTE FOR ANY ASSEMBLY REQUIRING TACK WELDS:
- ALL TACK WELDS ARE TO BE MADE IN THE WELD JOINT ONLY

ADD CAMBER RE S33 OR SHOW THAT IT HAS BEEN TAKEN INTO ACCOUNT

☐ CONFORMS TO DESIGN CONCEPT
☐ CONFORMS TO DESIGN CONCEPT WITH REVISIONS AS SHOWN
☒ NON-CONFORMING–REVISE & RESUBMIT

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By A.F. Date 10/13/06

LIN & ASSOCIATES, INC.

CONTRACTOR NOTE:
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PRINT RECORD

NO.	USE	DATE
	APPR.	
	APPR.	
	PURCH	
	FAB	
	FAB. OFFICE	
	Q.A.	
	DIST.	
	ERECT.	

OPEN HOLES: 15/16 Ø U/N
WELD: BRIDGE WELDING CODE: D1.5
STEEL: AS NOTED
BOLTS:
SURFACE PREP: SP
PAINT: SEE SPECS
REF DRAWING: E2, E3

REV	DATE	DESCRIPTION	
0	SEP/10/06	FOR APPROVAL	VS

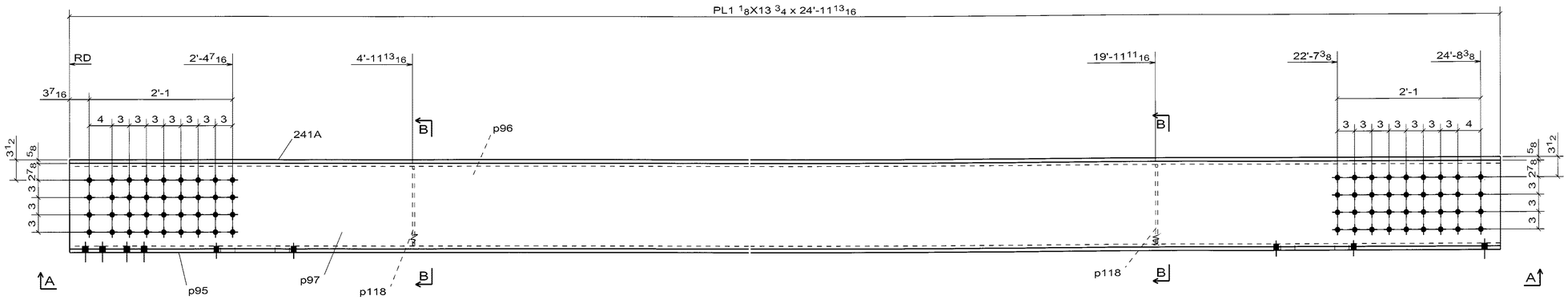
RAINIER WELDING

19020 NE 84TH STREET - REDMOND, WA 98053
(425) 868-1300 FAX (425) 868-8872
STEEL AND ALUMINUM FABRICATING

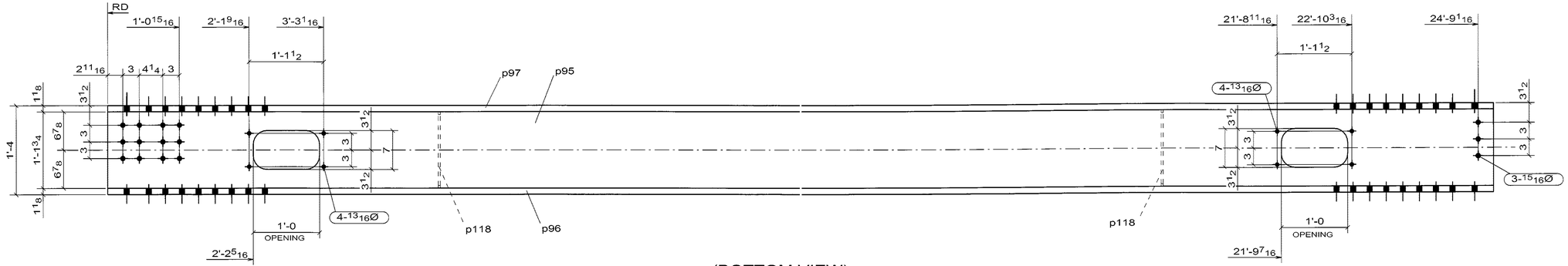
PROJECT: TOLT BRIDGE No 1834A
THIS DRAWING INCLUDES:
FOR: SNOHOMISH COUNTY OFFICIAL
DRAWN: DJ DATE: 07/31/2006 CHK: DSC DATE: 09/10/2006
DWG NUMBER: 2707 - 242A

PRO DRAFT INC. PO# 676 PH:(604)589-6425
DRAWINGS PREPARED ON 3D-Xsoed File Name :- A [242.A]
Model Name: 725_102_TOLT_BRIDGE_541
Plot Date: 09/10/2006 12:14:38

No to SHIP	SHIP MARK	No PIECES	PIECE MARK	DESCRIPTION	LENGTH	UNIT WT.	GRADE	REMARKS
2	241A			BOX_BM		5451		
		2	241A	PL1 1/8X13 3/4	24'-11 13/16"	1318	AASHTO M 270 GR. 50	FCM/V
		2	p95	PL1 1/8X13 3/4	24'-11 13/16"	1267	AASHTO M 270 GR. 50	FCM/V
		2	p96	PL1 1/8X14 3/4	24'-11 13/16"	1413	AASHTO M 270 GR. 50	FCM/V
		2	p97	PL1 1/8X14 3/4	24'-11 13/16"	1413	AASHTO M 270 GR. 50	FCM/V
		4	p118	PL3/8X13 3/4	1'-1 3/4"	20	AASHTO M 270 GR. 50	

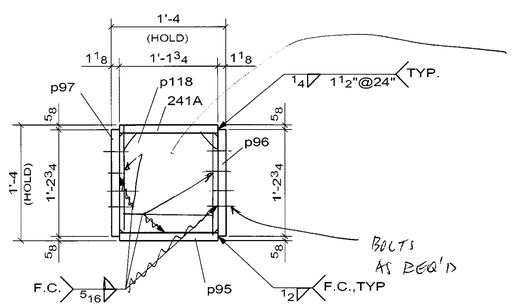


SIDE VIEW



(BOTTOM VIEW)

A - A



REVISE DIAPH. ℄'S AS SHOWN ON 107A
SEE NOTE & SKETCH ON 107A

BOLTS AS REQ'D

B - B

2 - BOX_BM -241A

WELD NOTE FOR ANY ASSEMBLY REQUIRING TACK WELDS:
- ALL TACK WELDS ARE TO BE MADE IN THE WELD JOINT ONLY

ADD CAMBER PER S33 OR SHOW THAT IT HAS BEEN TAKEN INTO ACCOUNT

☐ CONFORMS TO DESIGN CONCEPT
☐ CONFORMS TO DESIGN CONCEPT WITH REVISIONS AS SHOWN
☒ NON-CONFORMING–REVISE & RESUBMIT

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By A.F. Date 10/13/06

I.IN & ASSOCIATES, INC.

CONTRACTOR NOTE:
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PRINT RECORD

NO.	USE	DATE
	APPR.	
	APPR.	
	PURCH	
	FAB	
	FAB. OFFICE	
	Q.A.	
	DIST.	
	ERECT.	

OPEN HOLES 15/16 Ø U/N
WELD BRIDGE WELDING CODE: D1.5
STEEL AS NOTED
BOLTS
SURFACE PREP-SP
PAINT SEE SPECS
REF.DRAWING E2, E3

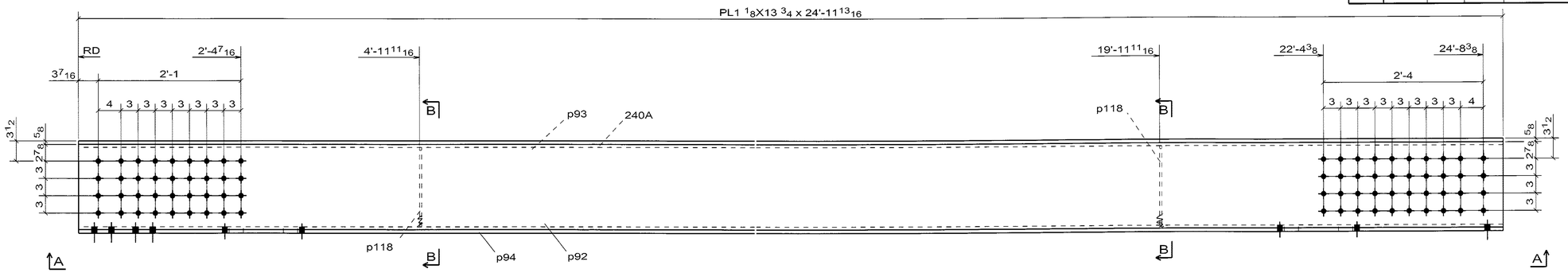
REV	DATE	DESCRIPTION	
0	SEP/10/06	FOR APPROVAL	VS

RAINIER WELDING
19020 NE 84TH STREET - REDMOND, WA 98053
(425) 868-1300 FAX (425) 868-8872
STEEL AND ALUMINUM FABRICATING

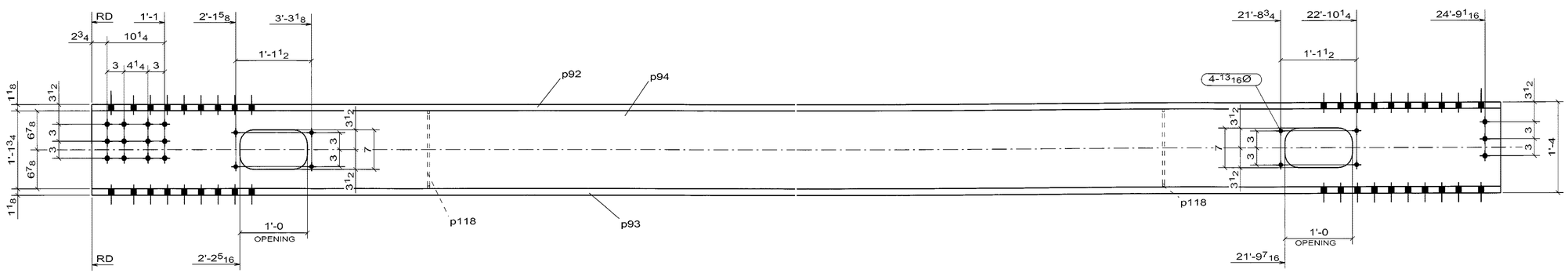
PROJECT: TOLT BRIDGE No 1834A
THIS DRAWING INCLUDES
FOR: SNOHOMISH COUNTY OFFICIAL
DRAWN: DJ DATE 07/31/2006 CHK: DSC DATE 09/10/2006 DWG NUMBER 2707 - 241A 0

PRO DRAFT INC. PD# 676 PH:(904)589-0425
DRAWINGS PREPARED ON 3D-Xacel File Name :- A [241.A]
Model Name: 725_102_TOLT_BRIDGE_541
Plot Date: 09/10/2006 12:14:35

No to SHIP	SHIP MARK	No PIECES	PIECE MARK	DESCRIPTION	LENGTH	UNIT WT.	GRADE	REMARKS
2	240A			BOX_BM		5451		
		2	240A	PL1 1/8X13 3/4	24'-11 13/16"	1318	AASHTO M 270 GR. 50	FCM/V
		2	p92	PL1 1/8X14 3/4	24'-11 13/16"	1413	AASHTO M 270 GR. 50	FCM/V
		2	p93	PL1 1/8X14 3/4	24'-11 13/16"	1413	AASHTO M 270 GR. 50	FCM/V
		2	p94	PL1 1/8X13 3/4	24'-11 13/16"	1267	AASHTO M 270 GR. 50	FCM/V
		4	p118	PL3/8X13 3/4	1'-1 3/4"	20	AASHTO M 270 GR. 50	

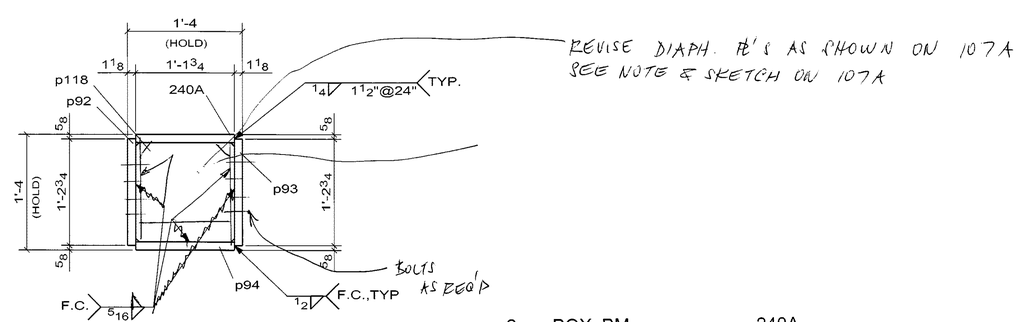


SIDE VIEW



(BOTTOM VIEW)

A - A



REVISE DIAPH. PL'S AS SHOWN ON 107A
SEE NOTE & SKETCH ON 107A

B - B

2 - BOX_BM -240A

ADD CAMBER RE S3
OR SHOW THAT IT HAS BEEN
TAKEN INTO ACCOUNT

☐ CONFORMS TO DESIGN CONCEPT
☐ CONFORMS TO DESIGN CONCEPT WITH REVISIONS AS SHOWN
☒ NON-CONFORMING–REVISE & RESUBMIT

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By A.F. Date 10/13/06

I.IN & ASSOCIATES, INC.

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PRINT RECORD

NO.	USE	DATE
	APPR.	
	APPR.	
	PURCH	
	FAB	
	FAB. OFFICE	
	Q.A.	
	DIST.	
	ERECT.	

OPEN HOLES 15/16 Ø U/N
WELD BRIDGE WELDING CODE: D1.5
STEEL AS NOTED
BOLTS
SURFACE PREP-SP
PAINT SEE SPECS
REF DRAWING E2, E3

REV	DATE	DESCRIPTION	VS
0	SEP/10/06	FOR APPROVAL	

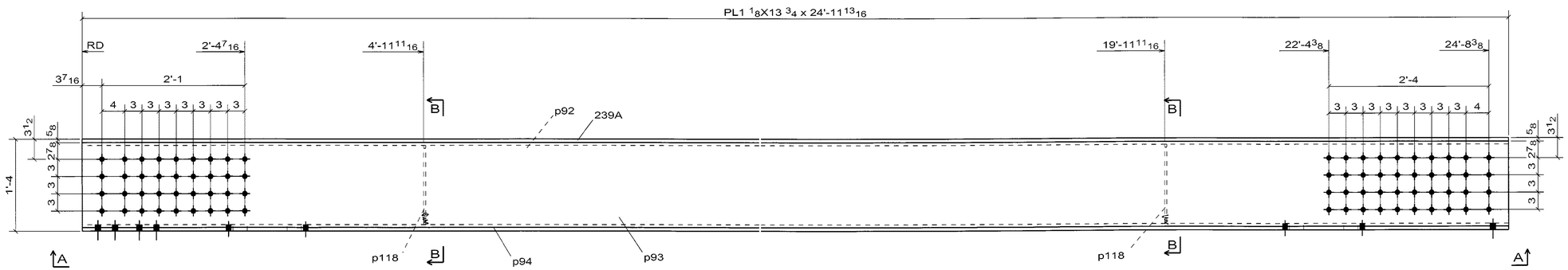
RAINIER WELDING
19020 NE 84TH STREET - REDMOND, WA 98053
(425) 868-1300 FAX (425) 868-8872
STEEL AND ALUMINUM FABRICATING

PROJECT: TOLT BRIDGE No 1834A
THIS DRAWING INCLUDES
FOR: SNOHOMISH COUNTY OFFICIAL
DRAWN DJ DATE 07/31/2006 CHK DSC DATE 09/10/2006 DWG NUMBER 2707 - 240A 0

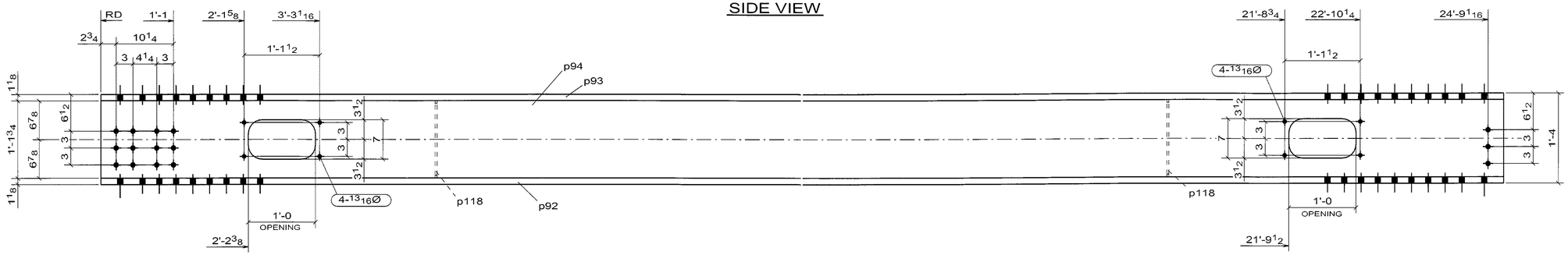
WELD NOTE FOR ANY ASSEMBLY REQUIRING TACK WELDS:
- ALL TACK WELDS ARE TO BE MADE IN THE WELD JOINT ONLY

PRO DRAFT INC. PO# 676 PH:(904)589-6435
DRAWINGS PREPARED ON 3D-Xsteel File Name :- A [240.A]
Model Name: 725_102_TOLT_BRIDGE_S41
Plot Date: 09/10/2006 12:14:31

No to SHIP	SHIP MARK	No PIECES	PIECE MARK	DESCRIPTION	LENGTH	UNIT WT.	GRADE	REMARKS
2	239A			BOX_BM		5451		
		2	239A	PL1 1/8X13 3/4	24'-11 13/16"	1318	AASHTO M 270 GR. 50	FCM/V
		2	p92	PL1 1/8X14 3/4	24'-11 13/16"	1413	AASHTO M 270 GR. 50	FCM/V
		2	p93	PL1 1/8X14 3/4	24'-11 13/16"	1413	AASHTO M 270 GR. 50	FCM/V
		2	p94	PL1 1/8X13 3/4	24'-11 13/16"	1267	AASHTO M 270 GR. 50	FCM/V
		4	p118	PL3/8X13 3/4	1'-1 3/4"	20	AASHTO M 270 GR. 50	

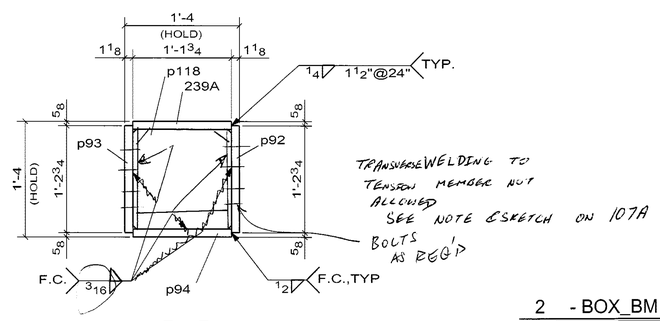


SIDE VIEW



(BOTTOM VIEW)

A - A



TRANSVERSE WELDING TO TENSION MEMBER NOT ALLOWED
SEE NOTE & SKETCH ON 107A
BOLTS AS REQ'D

B - B

2 - BOX_BM -239A

ADD CAMBER RE S33 OR SHOW THAT IT HAS BEEN TAKEN INTO ACCOUNT

☐ CONFORMS TO DESIGN CONCEPT
☐ CONFORMS TO DESIGN CONCEPT WITH REVISIONS AS SHOWN
☒ NON-CONFORMING–REVISE & RESUBMIT

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By A. F. Date 10/13/06

I.IN & ASSOCIATES, INC.

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PRINT RECORD

NO.	USE	DATE
	APPR.	
	APPR.	
	PURCH	
	FAB	
	FAB. OFFICE	
	Q.A.	
	DIST.	
	ERECT.	

OPEN HOLES: 15/16 Ø U/N
WELD: BRIDGE WELDING CODE: D1.5
STEEL: AS NOTED
BOLTS:
SURFACE PREP-SP:
PAINT: SEE SPECS
REF DRAWING: E2, E3

REV	DATE	DESCRIPTION	VS
0	SEP/10/06	FOR APPROVAL	

RAINIER WELDING

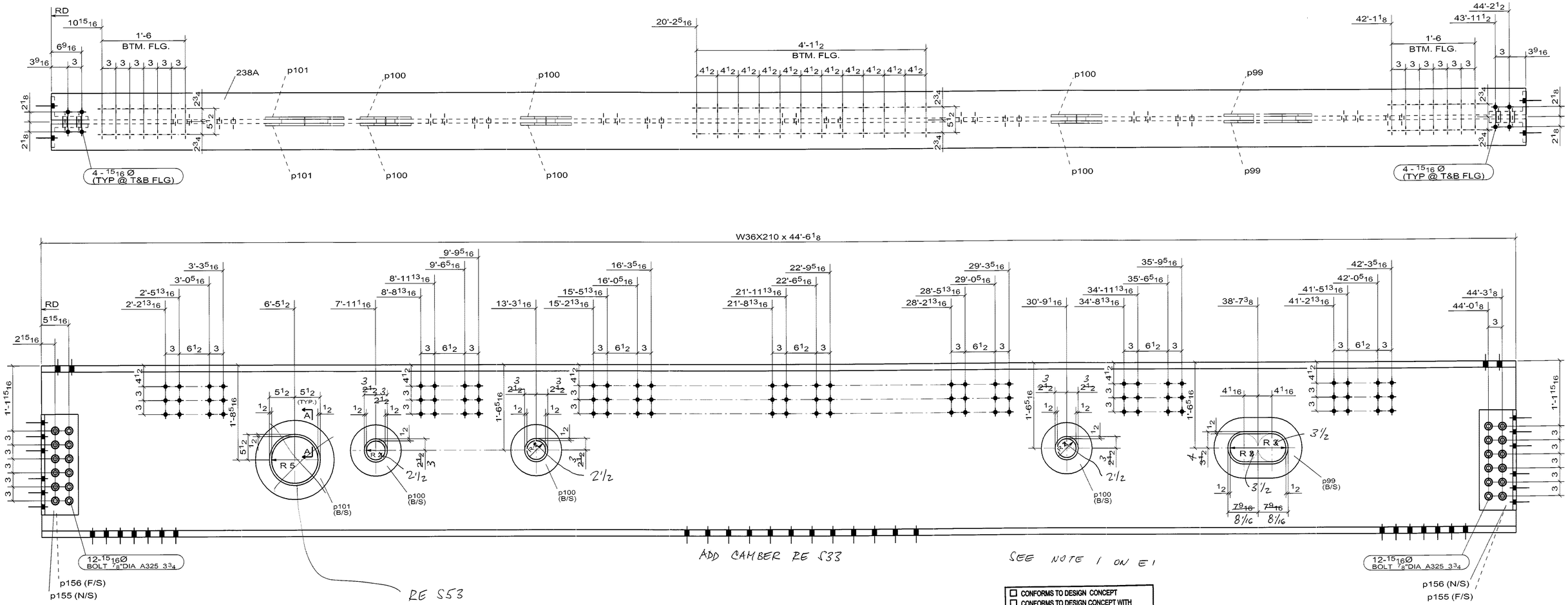
19020 NE 84TH STREET - REDMOND, WA 98053
(425) 868-1300 FAX (425) 868-8872
STEEL AND ALUMINUM FABRICATING

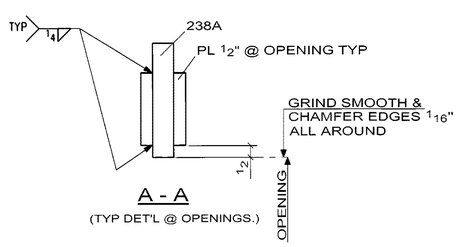
PROJECT: TOLT BRIDGE No 1834A
THIS DRAWING INCLUDES:
FOR: SNOHOMISH COUNTY OFFICIAL
DRAWN: DJ DATE: 07/31/2006 CHK: DSC DATE: 09/10/2006 DWG NUMBER: 2707 - 239A

WELD NOTE FOR ANY ASSEMBLY REQUIRING TACK WELDS:
- ALL TACK WELDS ARE TO BE MADE IN THE WELD JOINT ONLY

PRO DRAFT INC PD# 676 Ph:(604)589-6425
DRAWINGS PREPARED ON 3D-Xsteel File Name > A (239.A)
Model Name: 725_102_TOLT_BRIDGE_541
Plot Date: 09/10/2006 12:14:27

No to SHIP	SHIP MARK	No PIECES	PIECE MARK	DESCRIPTION	LENGTH	UNIT WT.	GRADE	REMARKS
2	238A			FLOOR BEAM		9847		
		2	238A	W36X210	44'-6 1/16"	9361	AASHTO M 270 GR. 50	
		4	p99	PL1/2X13	1'-9 1/8"	39	AASHTO M 270 GR. 50	
		12	p100	FB1/2X11	0'-11"	17	AASHTO M 270 GR. 50	
		4	p101	PL1/2X17	1'-5"	41	AASHTO M 270 GR. 50	
		4	p155	L8 X5 X3/4	1'-9 1/2"	56	AASHTO M 270 GR. 50	
		4	p156	L8 X5 X3/4	1'-9 1/2"	56	AASHTO M 270 GR. 50	
		48	b1	7/8Ø A325 BOLT	3 3/4			





A - A

(TYP DET'L @ OPENINGS.)

☐ CONFORMS TO DESIGN CONCEPT
☐ CONFORMS TO DESIGN CONCEPT WITH REVISIONS AS SHOWN
☒ NON-CONFORMING–REVISE & RESUBMIT

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By A.F. Date 10/13/06

I.IN & ASSOCIATES, INC.

2 - FLOOR BEAM -238A

SHOP NOTE:

- SEE 1SK FOR WELDING STUD DETAIL

WELD NOTE FOR ANY ASSEMBLY REQUIRING TACK WELDS:
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NO.	USE	DATE
	APPR.	
	APPR.	
	PURCH	
	FAB	
	FAB. OFFICE	
	Q.A.	
	DIST.	
	ERECT.	

OPEN HOLES 15/16 Ø U/N
WELD BRIDGE WELDING CODE: D1.5
STEEL AS NOTED
BOLTS
SURFACE PREP SP
PAINT SEE SPECS
REF DRAWING E2, E3

REV	DATE	DESCRIPTION	
0	SEP/10/06	FOR APPROVAL	VS

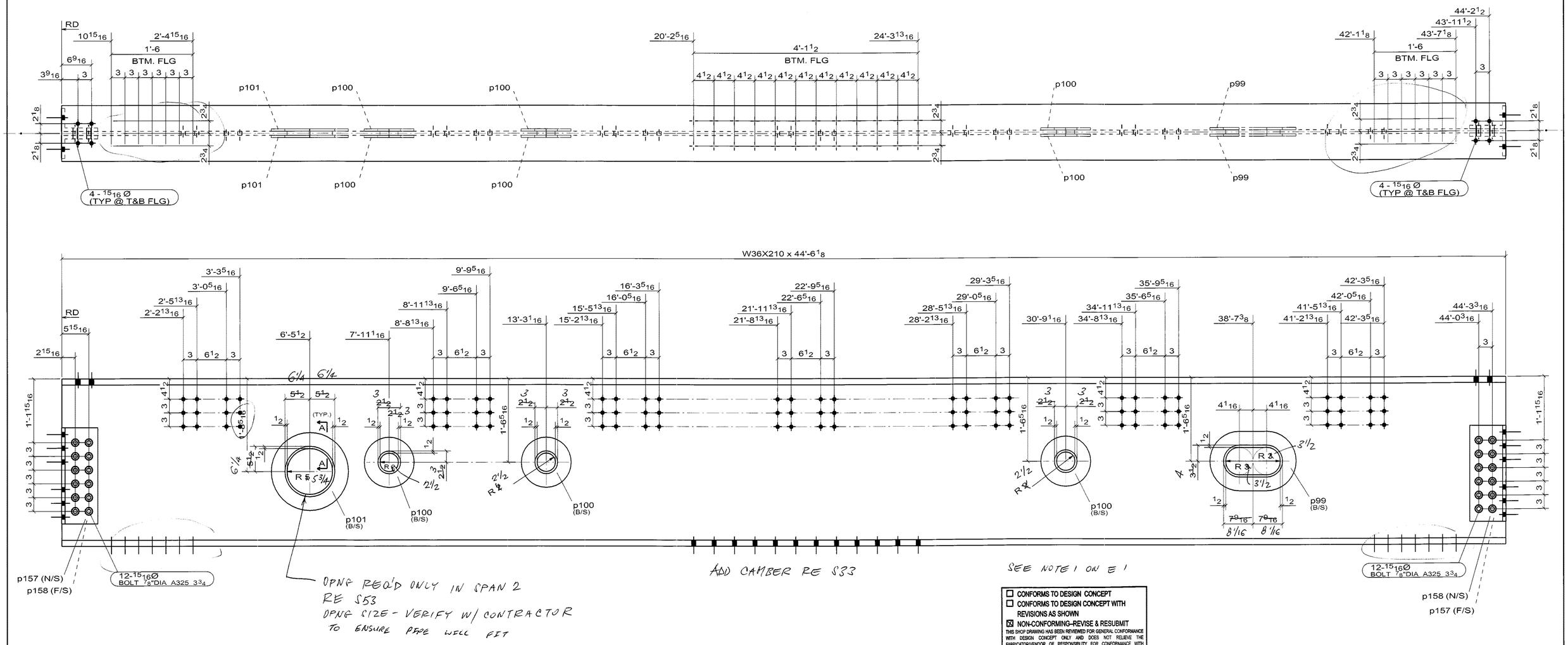
RAINIER WELDING

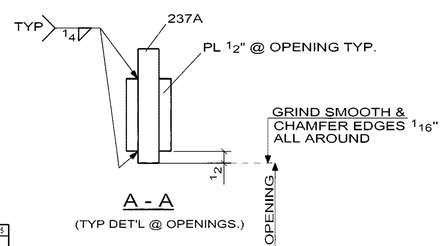
19020 NE 84TH STREET - REDMOND, WA 98053
(425) 868-1300 FAX (425) 868-8872
STEEL AND ALUMINUM FABRICATING

PROJECT TOLT BRIDGE No 1834A
THIS DRAWING INCLUDES
FOR SNOHOMISH COUNTY OFFICIAL
DRAWN DJ DATE 07/31/2006
CHK DSC DATE 09/10/2006
DWG NUMBER 2707 - 238A 0

PRO DRAFT INC. PO# 676 PH (604)589-6425
DRAWINGS PREPARED ON 3D-Xsteel File Name :- A [238-A]
Model Name: 725_102_TOLT_BRIDGE_541
Plot Date: 09/10/2006 12:14:22

No to SHIP	SHIP MARK	No PIECES	PIECE MARK	DESCRIPTION	LENGTH	UNIT WT.	GRADE	REMARKS
2	237A			FLOOR BEAM		9842		
		2	237A	W36X210	44'-6 1/16"	9361	AASHTO M 270 GR. 50	
		4	p99	PL1/2X13	1'-9 1/8"	39	AASHTO M 270 GR. 50	
		12	p100	FB1/2X11	0'-11"	17	AASHTO M 270 GR. 50	
		4	p101	PL1/2X17	1'-5"	41	AASHTO M 270 GR. 50	
		4	p157	L8 X5 X3/4	1'-9"	55	AASHTO M 270 GR. 50	
		4	p158	L8 X5 X3/4	1'-9"	55	AASHTO M 270 GR. 50	
		48	b1	7/8Ø A325 BOLT	0"-3 3/4			





A - A

(TYP DET'L @ OPENINGS.)

2 - FLOOR BEAM -237A

SHOP NOTE:

-SEE 1SK FOR WELDED STUD DETAIL

WELD NOTE FOR ANY ASSEMBLY REQUIRING TACK WELDS:
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☐ CONFORMS TO DESIGN CONCEPT
☐ CONFORMS TO DESIGN CONCEPT WITH REVISIONS AS SHOWN
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By A. F. Date 10/13/06

I.IN & ASSOCIATES, INC.

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NO.	USE	DATE
	APPR.	
	APPR.	
	PURCH	
	FAB	
	FAB. OFFICE	
	Q.A.	
	DIST.	
	ERECT.	

OPEN HOLES: 15/16 Ø U/N
WELD: BRIDGE WELDING CODE: D1.5
STEEL: AS NOTED
BOLTS
SURFACE PREP-SP
PAINT: SEE SPECS
REF DRAWING: E2, E3

REV	DATE	DESCRIPTION	VS
0	SEP/10/06	FOR APPROVAL	

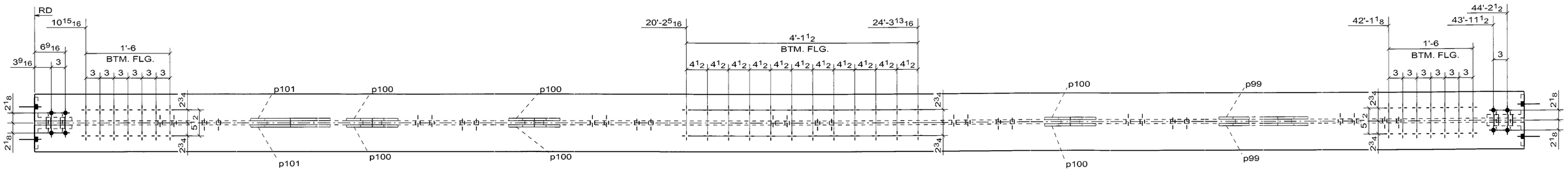
RAINIER WELDING

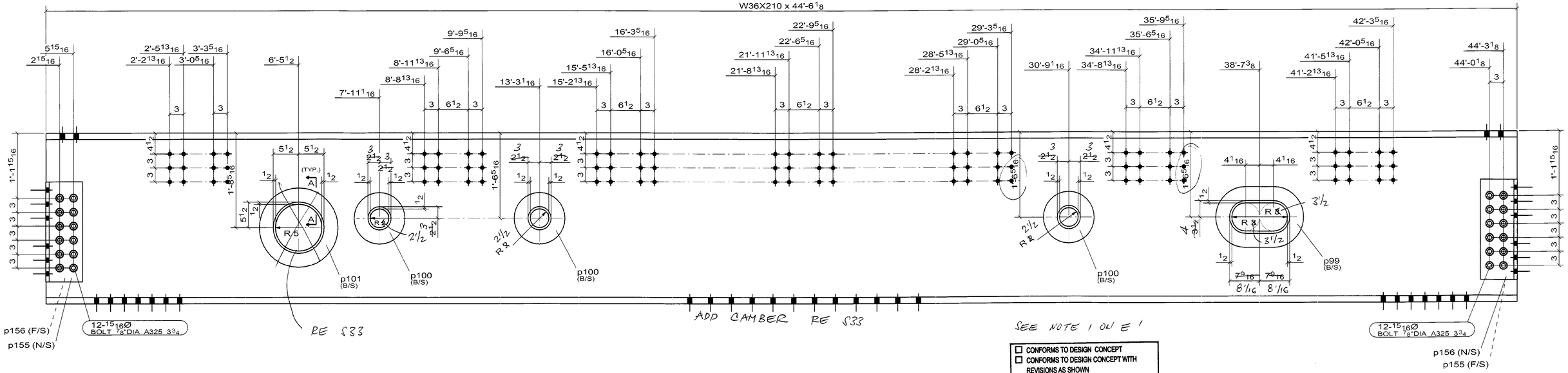
19020 NE 84TH STREET - REDMOND, WA 98053
(425) 868-1300 FAX (425) 868-8872
STEEL AND ALUMINUM FABRICATING

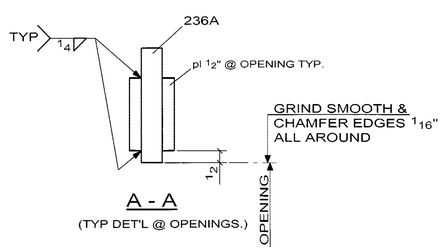
PROJECT: TOLT BRIDGE No 1834A
THIS DRAWING INCLUDES
FOR: SNOHOMISH COUNTY OFFICIAL
DRAWN: DJ CHK: DSC DWG NUMBER: 2707 - 237A
DATE: 07/31/2006 DATE: 09/10/2006

PRO DRAFT INC. PO# 676 PH:(604)689-6425
DRAWINGS PREPARED ON 3D-Xsteel File Name :> A [237.A]
Model Name: 725_102_TOLT_BRIDGE_541
Plot Date: 09/10/2006 12:14:16

No to SHIP	SHIP MARK	No PIECES	PIECE MARK	DESCRIPTION	LENGTH	UNIT WT	GRADE	REMARKS
2	236A			FLOOR BEAM		9847		
		2	236A	W36X210	44'-6 1/16"	9361	AASHTO M 270 GR. 50	
		4	p99	PL1/2X13	1'-9 1/8"	39	AASHTO M 270 GR. 50	
		12	p100	FB1/2X11	0'-11"	17	AASHTO M 270 GR. 50	
		4	p101	PL1/2X17	1'-5"	41	AASHTO M 270 GR. 50	
		4	p155	L8 X5 X3/4	1'-9 1/2"	56	AASHTO M 270 GR. 50	
		4	p156	L8 X5 X3/4	1'-9 1/2"	56	AASHTO M 270 GR. 50	
		48	b1	7/8Ø A325 BOLT	3 3/4			







☐ CONFORMS TO DESIGN CONCEPT
☐ CONFORMS TO DESIGN CONCEPT WITH REVISIONS AS SHOWN
☒ NON-CONFORMING–REVISE & RESUBMIT

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By A. F. Date 10/13/06

I.IN & ASSOCIATES, INC.

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PRINT RECORD

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	APPR.	
	APPR.	
	PURCH	
	FAB	
	FAB. OFFICE	
	Q.A.	
	DIST.	
	ERECT.	

OPEN HOLES 15/16 Ø U/N
WELD BRIDGE WELDING CODE: D1.5
STEEL AS NOTED
BOLTS
SURFACE PREP-SP
PAINT SEE SPECS
REF DRAWING E2, E3

REV	DATE	DESCRIPTION	VS
0	SEP/10/06	FOR APPROVAL	

RAINIER WELDING

19020 NE 84TH STREET - REDMOND, WA 98053
(425) 868-1300 FAX (425) 868-8872
STEEL AND ALUMINUM FABRICATING

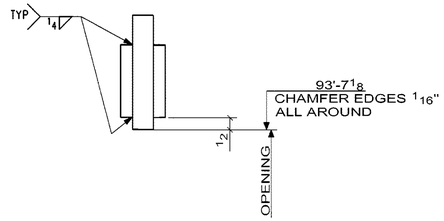
PROJECT TOLT BRIDGE No 1834A
THIS DRAWING INCLUDES
FOR SNOHOMISH COUNTY OFFICIAL
DRAWN DJ DATE 07/31/2006 CHK DSC DATE 09/10/2006 DWG NUMBER 2707 - 236A 0

2 - FLOOR BEAM -236A

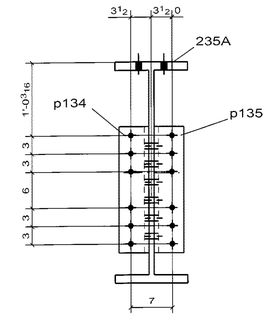
SHOP NOTE:
-SEE 1SK FOR WELDED STUD DETAIL

WELD NOTE FOR ANY ASSEMBLY REQUIRING TACK WELDS:
- ALL TACK WELDS ARE TO BE MADE IN THE WELD JOINT ONLY

PRO DRAFT INC. PO# 676 PH:(604)689-5425
DRAWINGS PREPARED ON 3D-Xsteel File Name :- A [236_A]
Model Name: 725_102_TOLT_BRIDGE_S41
Plot Date: 09/10/2006 12:14:11

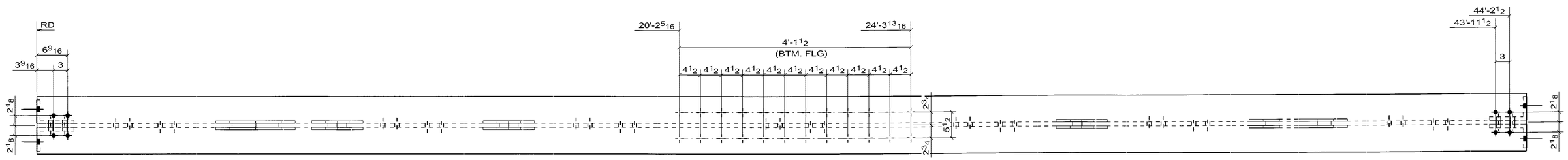


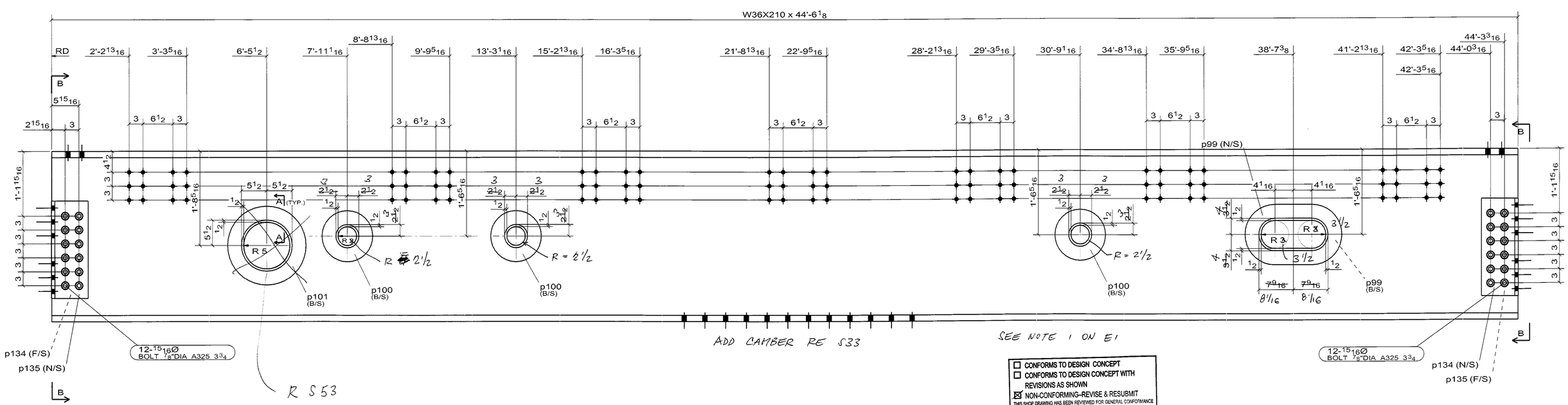
A - A
(TYP DET'L @ OPENINGS.)



B - B

No to SHIP	SHIP MARK	No PIECES	PIECE MARK	DESCRIPTION	LENGTH	UNIT WT.	GRADE	REMARKS
1	235A			FLOOR BEAM		9842		
		1	235A	W36X210	44'-6 1/16"	9361	AASHTO M 270 GR. 50	
		2	p99	PL1/2X13	1'-9 1/8"	39	AASHTO M 270 GR. 50	
		6	p100	FB1/2X11	0'-11"	17	AASHTO M 270 GR. 50	
		2	p101	PL1/2X17	1'-5"	41	AASHTO M 270 GR. 50	
		2	p134	L8 X5 X3/4	1'-9"	55	AASHTO M 270 GR. 50	
		2	p135	L8 X5 X3/4	1'-9"	55	AASHTO M 270 GR. 50	
		24	b1	7/8Ø A325 BOLT	3 3/4			





☐ CONFORMS TO DESIGN CONCEPT
☐ CONFORMS TO DESIGN CONCEPT WITH REVISIONS AS SHOWN
☒ NON-CONFORMING–REVISE & RESUBMIT

THIS SHOP DRAWING HAS BEEN REVIEWED FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY AND DOES NOT RELIEVE THE FABRICATOR/VENDOR OF RESPONSIBILITY FOR CONFORMANCE WITH DESIGN DRAWINGS AND SPECIFICATIONS ALL OF WHICH HAVE PRIORITY OVER THIS SHOP DRAWING.

By A.F. Date 10/13/06

I.IN & ASSOCIATES, INC.

1 - FLOOR BEAM -235A

SHOP NOTE:

-SEE 1SK FOR WELDED STUD DETAIL

WELD NOTE FOR ANY ASSEMBLY REQUIRING TACK WELDS:
- ALL TACK WELDS ARE TO BE MADE IN THE WELD JOINT ONLY

CONTRACTOR NOTE:
THIS DRAWING IS BEING SUBMITTED FOR APPROVAL AS REQUIRED. VERIFY OR SUPPLY ALL QUANTITIES, ALL DIMENSIONS, ALL INFORMATION, & ALL CONFIGURATIONS.

PRINT RECORD

NO.	USE	DATE
	APPR.	
	APPR.	
	PURCH	
	FAB	
	FAB. OFFICE	
	Q.A.	
	DIST.	
	ERECT.	

OPEN HOLES 15/16 Ø U/N
WELD BRIDGE WELDING CODE: D1.5
STEEL AS NOTED
BOLTS
SURFACE PREP-SP
PAINT SEE SPECS
REF DRAWING E2

REV	DATE	DESCRIPTION	VS
0	SEP/10/06	FOR APPROVAL	

RAINIER WELDING

19020 NE 84TH STREET - REDMOND, WA 98053
(425) 868-1300 FAX (425) 868-8872
STEEL AND ALUMINUM FABRICATING

PROJECT: TOLT BRIDGE No 1834A
THIS DRAWING INCLUDES
FOR: SNOHOMISH COUNTY OFFICIAL
DRAWN DJ DATE 07/31/2006 CHK DSC DATE 09/10/2006 DWG NUMBER 2707 - 235A 0

PRO DRAFT INC. PO# 676 PH:(604)589-6425
DRAWINGS PREPARED ON 3D-Xsteel File Name :- A [235-A]
Model Name: 725_102_TOLT_BRIDGE_541
Plot Date: 09/10/2006 12:14:05