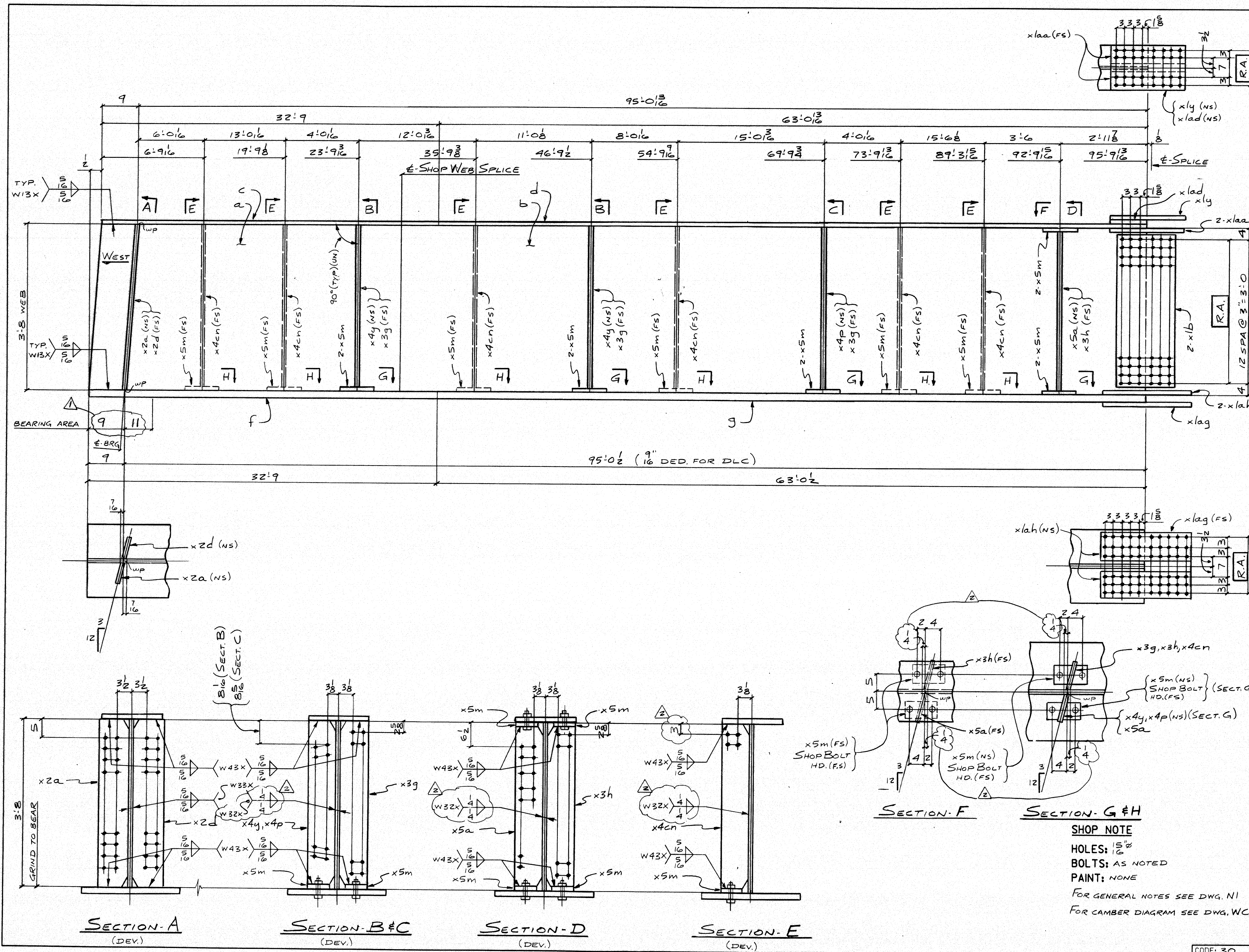




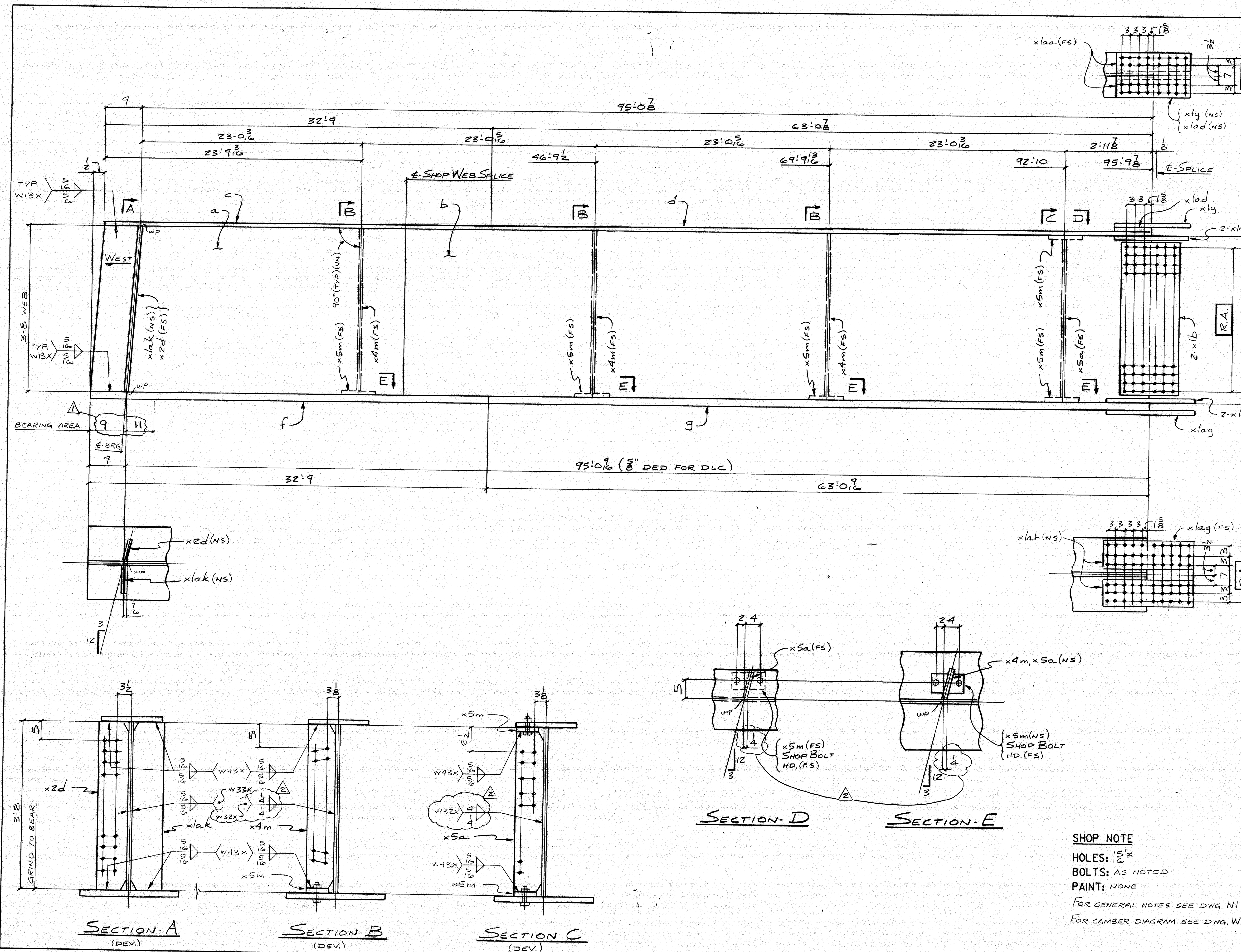
FED. ROAD DIST. NO.	STATE	FED. ROAD PROJ. NO.
1	ME	BR-BRF-038-1 (35)

BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP WEIGHT LB.
ONE	G4A	GIRDER				33,380
1	a	PL 44x16	29'9 3/4"	(T)		124
1	b	PL 44x16	66'1 1/2"	(T)		117
1	c	PL 16x1	32'9"	(T)		414
1	d	PL 16x1	63'0 3/4"	(T)		412
1	f	PL 26x26	32'9"	(T)		318
1	g	PL 26x26	63'0 1/2"	(T)		318
2	x1b	PL 39x1/2	1'6 1/2"	(T)		610
1	x1g	PL 16x1/2	2'0 1/2"	(T)		618
2	x1aa	BAR 7x1 1/8	2'0 1/2"	(T)		615
1	x1ag	PL 24x1 1/8	2'6 1/2"	(T)		613
2	x1ah	PL 11x1 1/8	2'6 1/2"	(T)		612
1	x1ad	PL 12 1/2x1 1/8	1'4"			616
1	x2a	BAR 8x3/8	3'8 1/2"			713
1	x2d	BAR 8x3/8	3'8 1/2"			713
3	x3g	BAR 7 1/2x3/8	3'7 3/8"			718
1	x3h		3'6 3/8"			713
1	x4p		3'7 3/8"			713
2	x4y		3'7 3/8"			713
6	x4cn		3'7 3/8"			713
1	x5a	BAR 7 1/2x3/8	1'6 3/4"			718
16	x5m	BAR 5x5/8	0'9"			710
4	3/8"	H.S. BOLT	0'3"	3/8" R, TOP FLG.		816
28	3/8"	H.S. BOLT	0'4"	3/8" R, BOTT. FLG.		818
32		WASHERS FOR 3/8" BOLT				811

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS.
D. G. L. [Signature]
T. F. [Signature]

DESIGN INFO	117-48	5-24-96
DESIGN INFO		3-25-96
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC.		
GIRDER - G4A		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO. BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00		
CONTRACTOR REED & REED, INC.		
IN CHARGE: L. W. CO. (W.C.) MADE BY: S.J.R. CHK'D BY: D.W.G. DATE: 2-27-96		
CONTRACT NUMBER: ME-95393-1 DRAWING NUMBER: 18 OF 77		

SHOP NOTE
HOLES: 1 5/8"
BOLTS: AS NOTED
PAINT: NONE
FOR GENERAL NOTES SEE DWG. N1
FOR CAMBER DIAGRAM SEE DWG. WCI



FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.
1	ME	BR-BRF-038-1 (35)

BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP WEIGHT
ONE	GSA	GIRDER				22,650
1	a	R. 44x16	29' 9 3/8"	(T)		24
1	b	R. 44x16	66' 1 1/8"	(T)		17
1	c	R. 16x1	32' 9"	(T)		4
1	d	R. 16x1	63' 0 3/8"	(T)		12
1	f	R. 26x26	32' 9"	(T)		18
1	g	R. 26x26	63' 0 3/8"	(T)		18
2	x1b	R. 39x1/2	1' 6 1/2"	(T)		10
1	x1y	R. 16x1/2	2' 0 1/2"	(T)		8
2	x1aa	BAR. 7x1/2	2' 0 1/2"	(T)		3
1	x1ag	R. 24x1/2	2' 6 1/2"	(T)		3
2	x1ah	R. 11x1/2	2' 6 1/2"	(T)		2
1	x1ad	R. 12x1/2	1' 4"			16
1	x2d	BAR. 8x3/4	3' 8 1/8"			3
1	x1ak	BAR. 8x3/4	3' 8"			3
3	x4m	BAR. 7 1/2x3/8	3' 7 3/8"			7
1	x5a	BAR. 7 1/2x3/8	3' 6 3/4"			7
5	x5m	BAR. 5x3/8	0' 9"			10
2	3"	H.S. BOLT	0' 3' 8 1/8"	TOP FLG.		16
8	3"	H.S. BOLT	0' 4' 8 1/8"	BOTT. FLG.		16
10		WASHERS FOR 3" BOLT				11

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS

DESIGNED BY: [Signature] CHECKED BY: [Signature]

DESIGN INFO 11249 5-24-96

DESIGN INFO 3-25-96

NO. REVISION DATE

HIGH STEEL STRUCTURES, INC. 1770 Hempstead Road, Lancaster, PA 17605-0008, Phone 717/299-5201

GIRDER - GSA

PENOBSCOT RIVER BRIDGE

PENOBSCOT RIVER BRIDGE STA. 18+70

PENOBSCOT CO., BANGOR TO BREWER

STATE OF MAINE

DEPT. OF TRANSPORTATION

STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00

CONTRACTOR REED & REED, INC. MADE BY: LARCO (WC) BY: SJR DWG. DATE: 2-21-96

IN CHARGE: LARCO (WC) BY: SJR DWG. DATE: 2-21-96

CONTRACT NUMBER: ME-95393-1 DRAWING NUMBER: 19 OF 77

CODE: 30

NOV 27 1996

SHOP NOTE

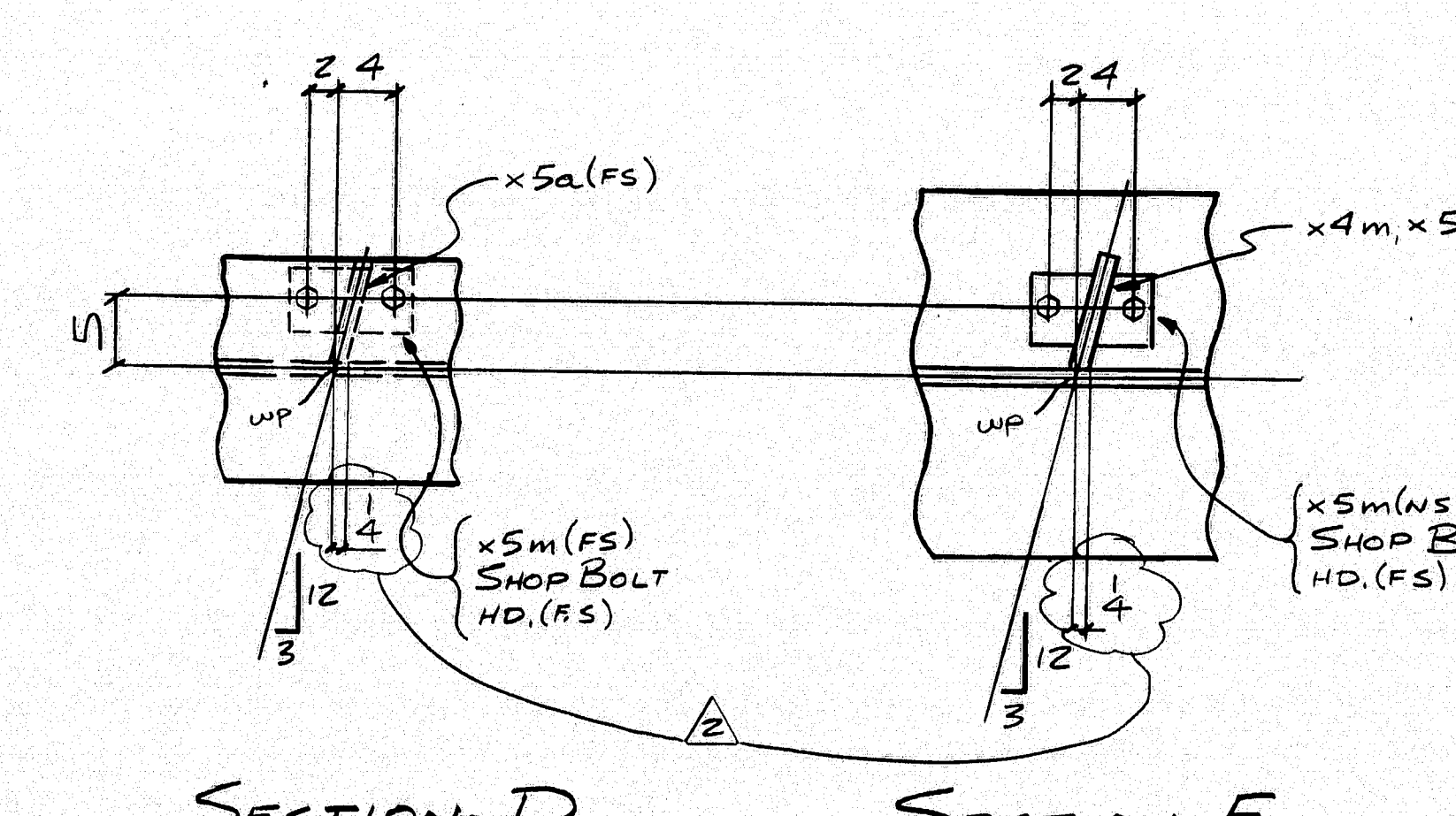
HOLES: 15/16"

BOLTS: AS NOTED

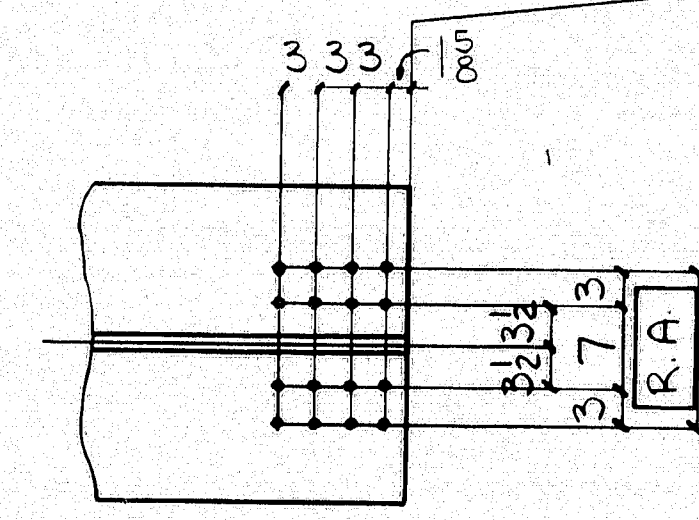
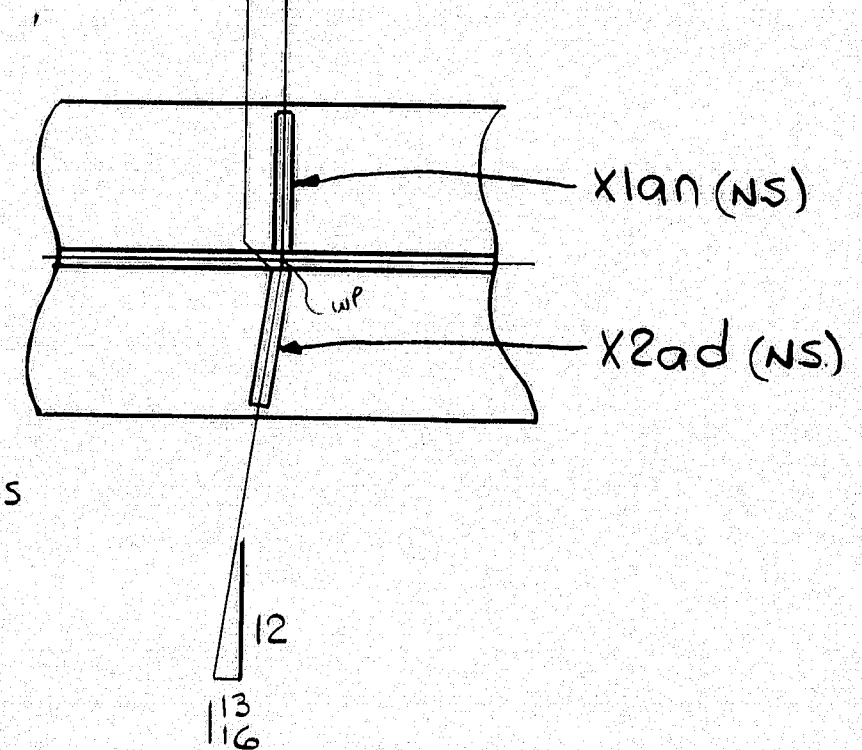
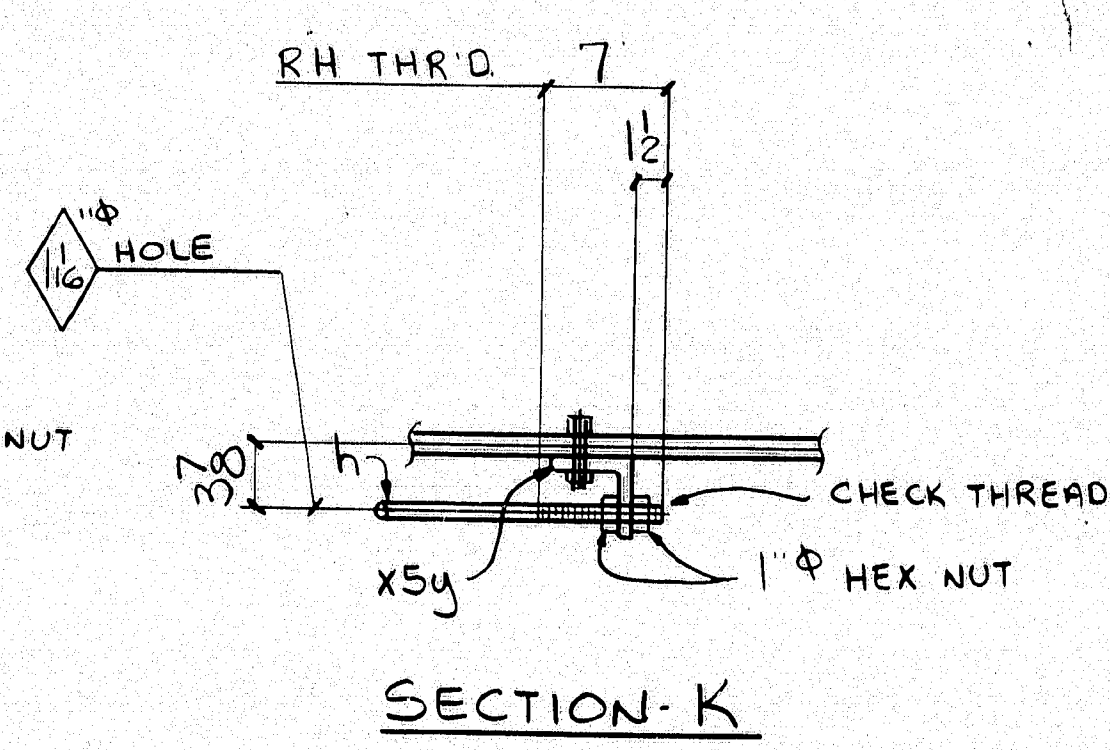
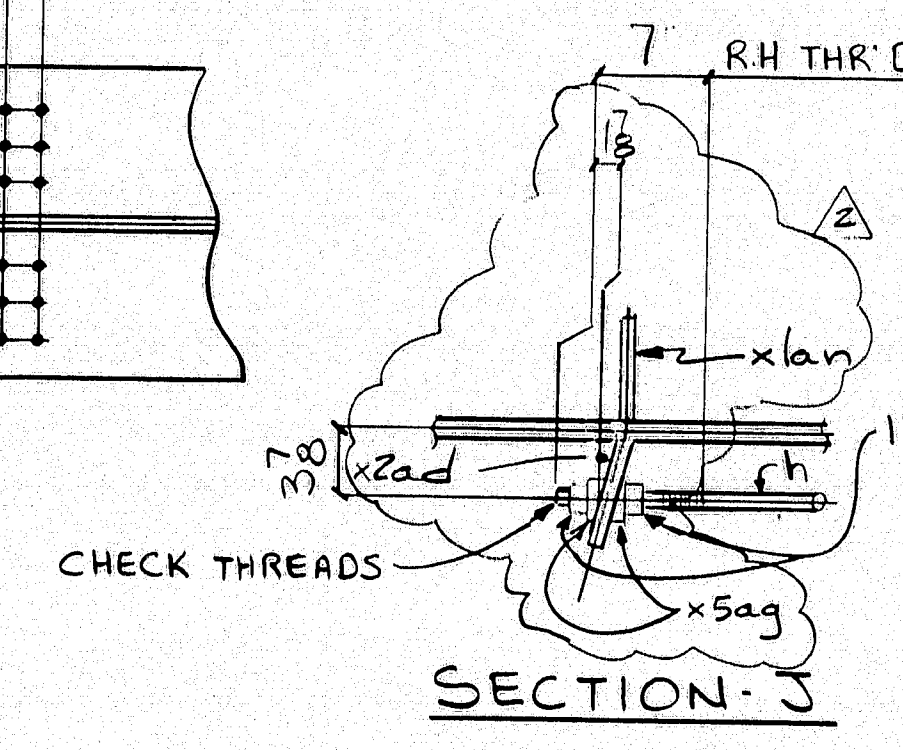
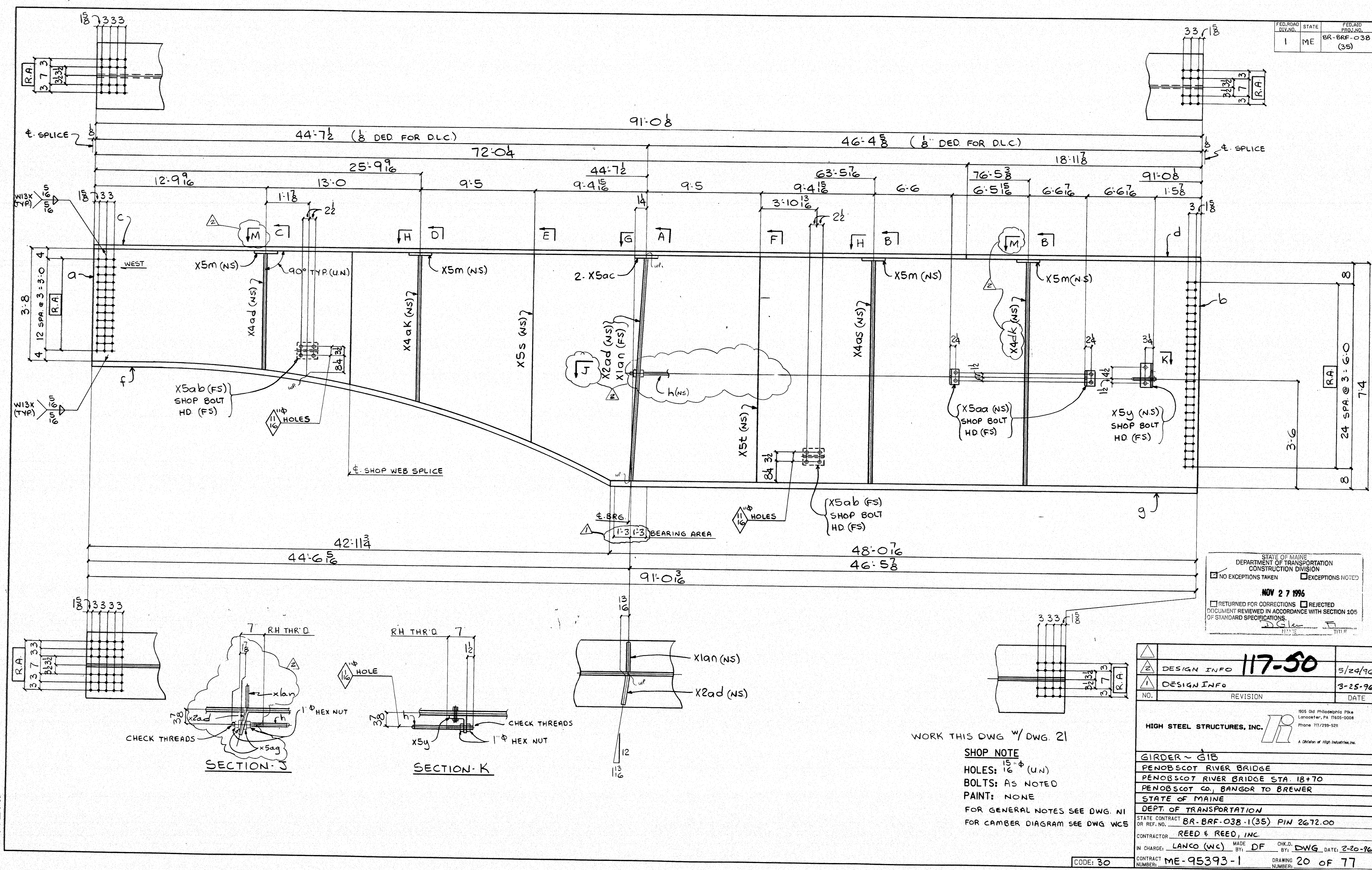
PAINT: NONE

FOR GENERAL NOTES SEE DWG. N1

FOR CAMBER DIAGRAM SEE DWG. WC1



004-2-10000-01000-0000



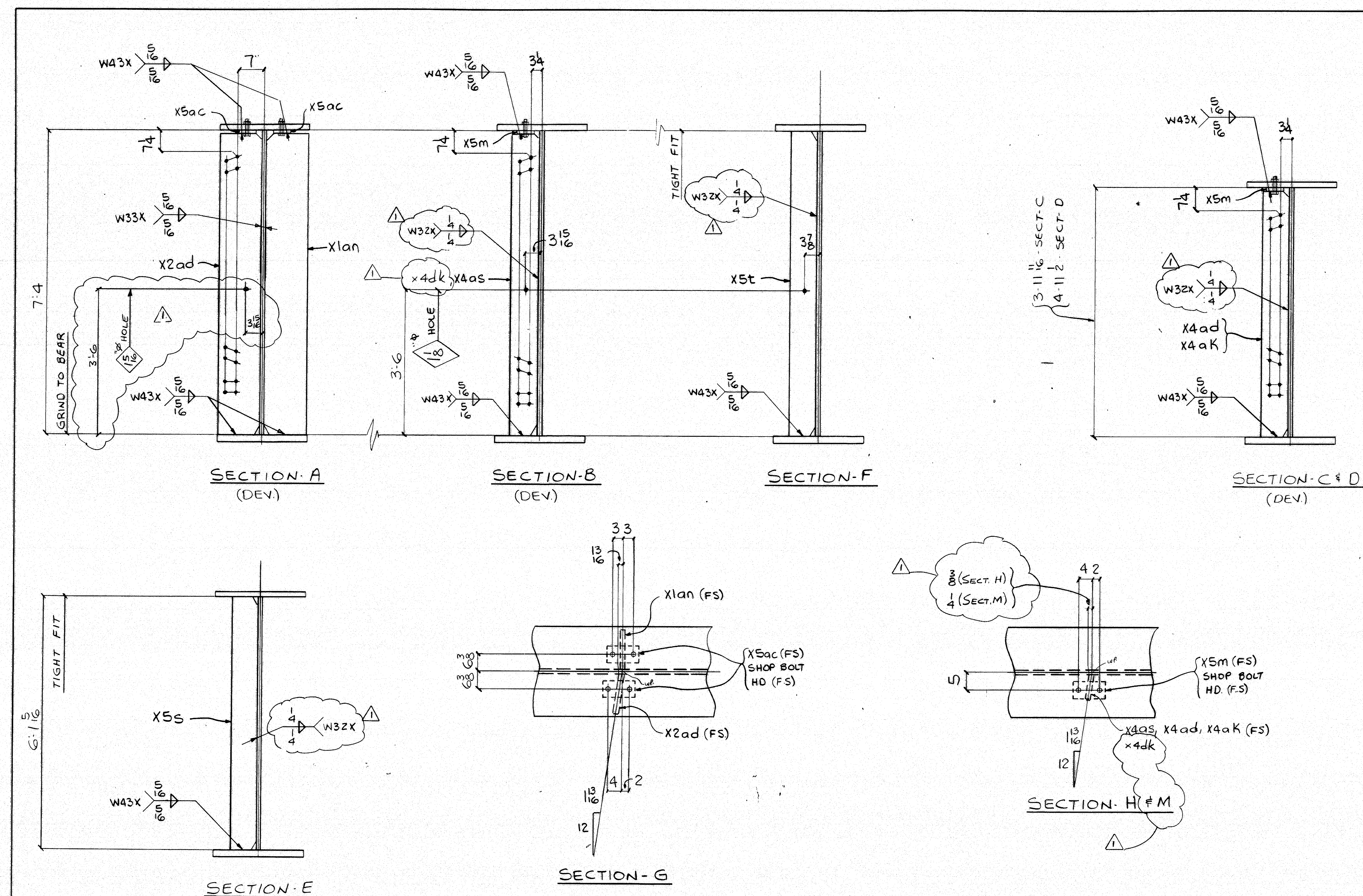
WORK THIS DWG W/ DWG. 21

SHOP NOTE
 HOLES: 1 1/2\"/>

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
 NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
 DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
 OF STANDARD SPECIFICATIONS

DESIGN INFO	117-50	5/29/96
DESIGN INFO		3-25-96
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC. 805 Old Philadelphia Pike Londonderry, PA 03050-0008 Phone 771/299-9201 A Division of High Industries, Inc.		
GIRDER - G1B		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO., BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00		
CONTRACTOR REED & REED, INC.		
IN CHARGE: LANCO (WC) MADE BY: DF		
CONTRACT NUMBER: ME-95393-1		
DRAWING NUMBER: 20 OF 77		

NOV 25 1996



WORK THIS DWG W/ DWG 20

SHOP NOTE

HOLES: 15" (U.N.)
BOLTS: AS NOTED
PAINT: NONE

FOR GENERAL NOTES SEE DWG N1
FOR CAMBER DIAGRAM SEE DWG WCS

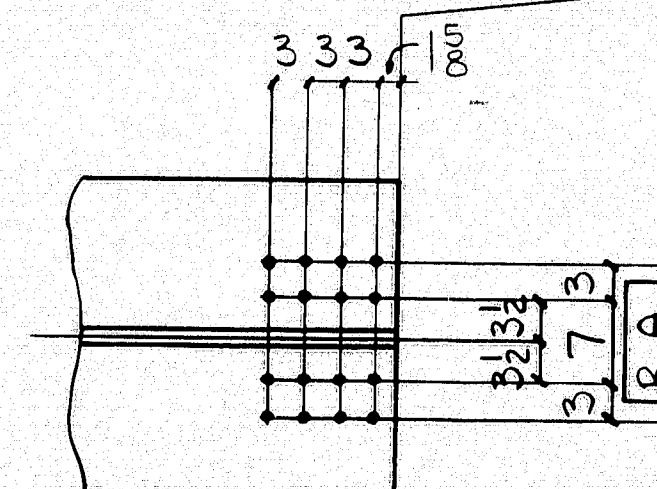
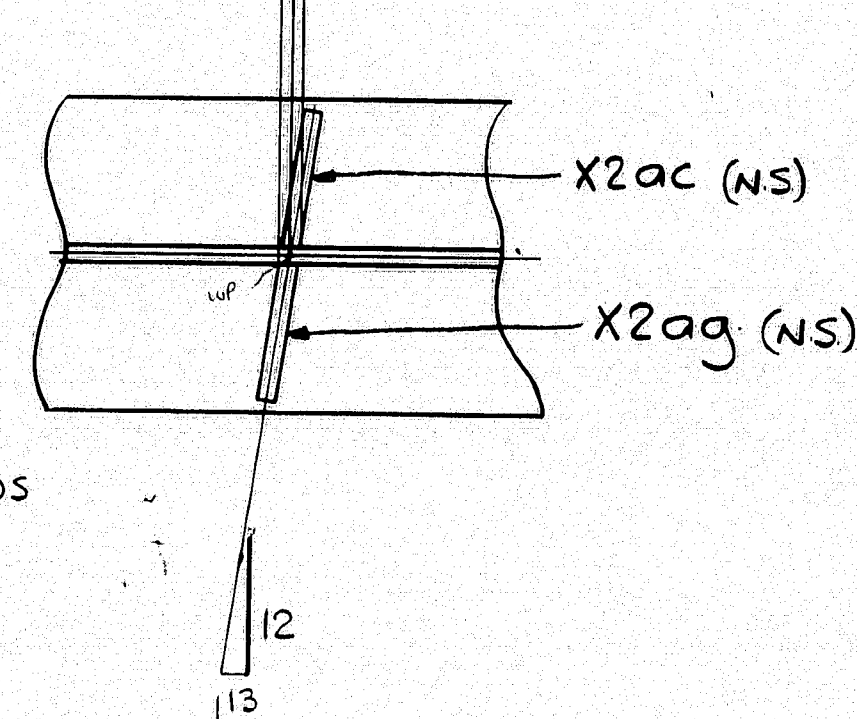
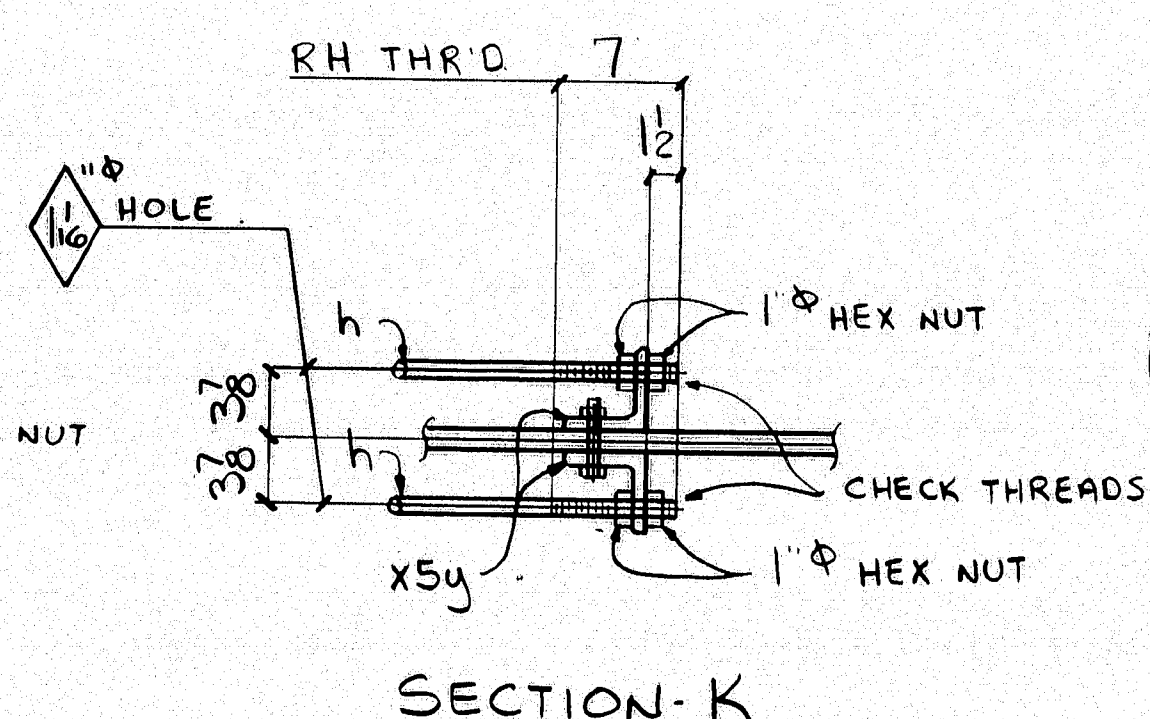
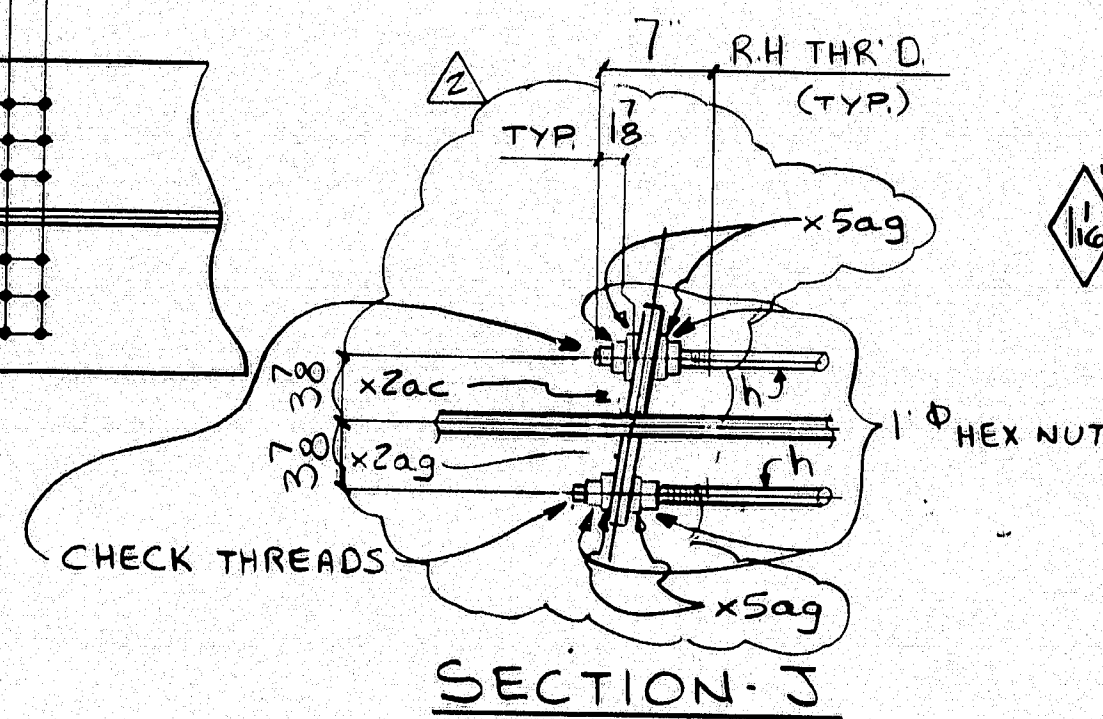
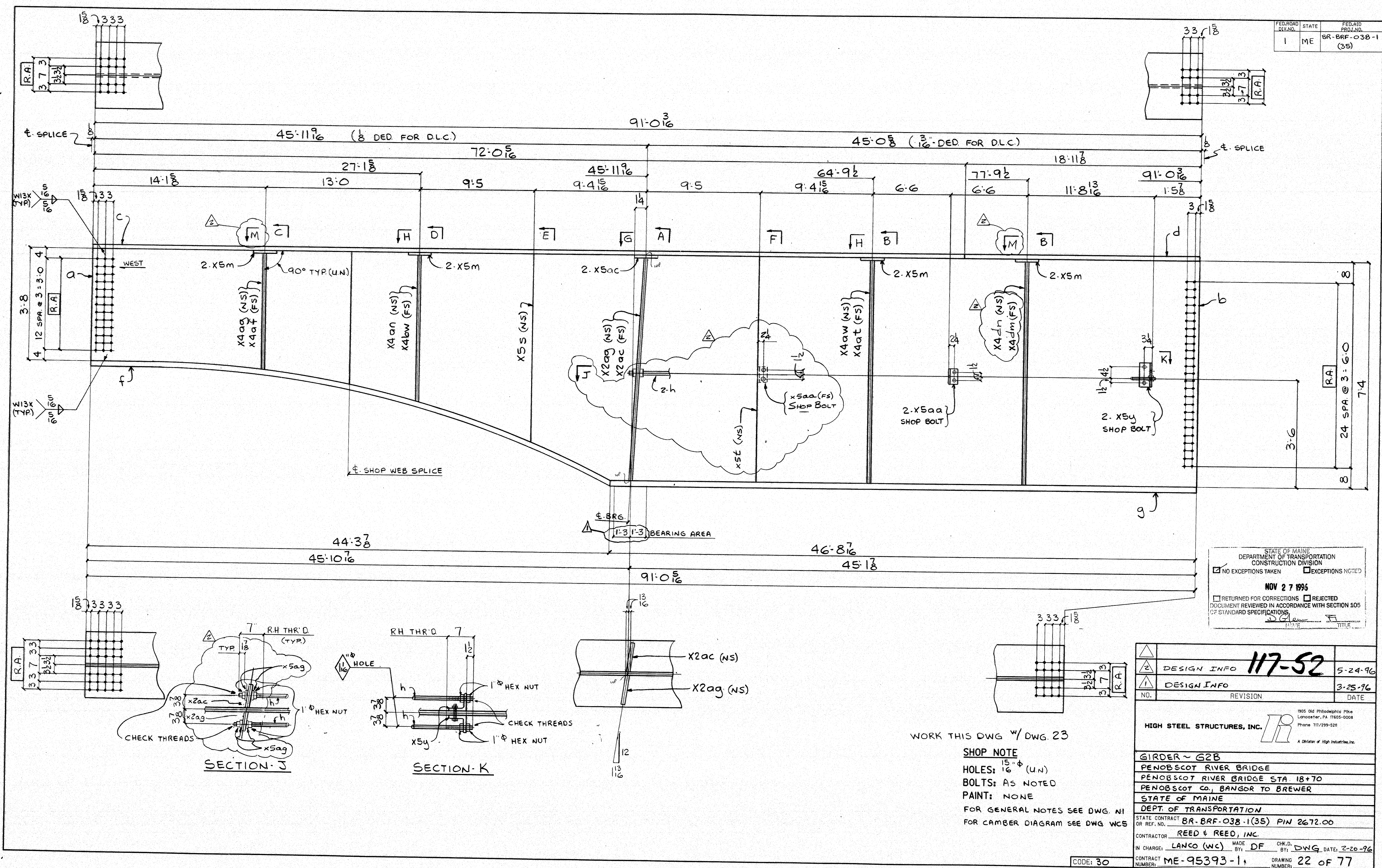
FED. ROAD DIV. NO. 1 STATE ME PROJ. NO. BR-BRF-038-1 (35)

BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	WGT.
ONE GIRDER						
1	a	R. 56 x 3	22 9	(T)	1	16
1	b	R. 88 x 3	68 3 5/8	(T)	1	4
1	c	R. 26 x 28	72 0 4	(T)	3	5
1	d	R. 26 x 28	18 11 1/2	(T)	3	22
1	f	R. 26 x 28	43 2 5/8	(T)	3	16
1	g	R. 26 x 28	48 0 16	(T)	3	11
1	h	1" ROD	45 4	ABT.	7	18
4		1" HEX NUTS			81	21
1	X5y	5x5x3/8	0 9		1	16
2	X5aa	5x5x3/8	0 6		1	17
4	X5m	BAR-5x8	0 9		7	10
2	X5ac	BAR-8x8	0 9		7	10
1	X2ad	R. 12 x 1 1/2	7 3 3/8		7	2
1	X1an	R. 12 x 1 1/2	7 3 3/8		7	2
1	X4dk	BAR-7 1/2 x 3/8	7 3 3/8		7	8
1	X4os	BAR-7 1/2 x 1 1/8	7 3 3/8		7	5
1	X4ad	BAR-7 1/2 x 3/8	3 11 1/8		1	8
1	X4ak	BAR-7 1/2 x 1 1/8	4 10 8		1	5
1	X5t	BAR-7 1/2 x 1 1/8	7 4		7	5
1	X5s	BAR-7 1/2 x 1 1/8	6 1 3/8		7	5
2	X5ab	WT6 x 13	0 8		9	11
2	X5ag	BAR-1 1/4 x 2 1/4	0 1 3/4		7	2
12	3/8"	HS BOLTS	0 4	T/FLG	81	8
6	3/8"	HS BOLTS	0 2 1/2	WEB	81	4
18		WASH. FOR 3/8" BOLTS			81	11
8	5/8"	HS BOLTS	0 24	X5ab	81	15
8		WASH. FOR 5/8" BOLTS			81	18

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS
DATE: 11/27/96

DESIGN INFO	NO. 1117-51	DATE 5-24-96
REVISION		
HIGH STEEL STRUCTURES, INC. 1770 Hempstead Road, Lancaster, PA 17605-0008, Phone 717/293-5211		
GIRDER SECTIONS ~ G1B		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA 18+70		
PENOBSCOT CO., BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT OR REF. NO.	BR-BRF-038-1(35) PIN 2672.00	
CONTRACTOR	REED & REED, INC.	
IN CHARGE	LANCO (WC)	MADE BY DF
DATE	2-28-96	
CONTRACT NUMBER	ME-95393-1	DRAWING NUMBER 21 OF 77

NOV 25 1996



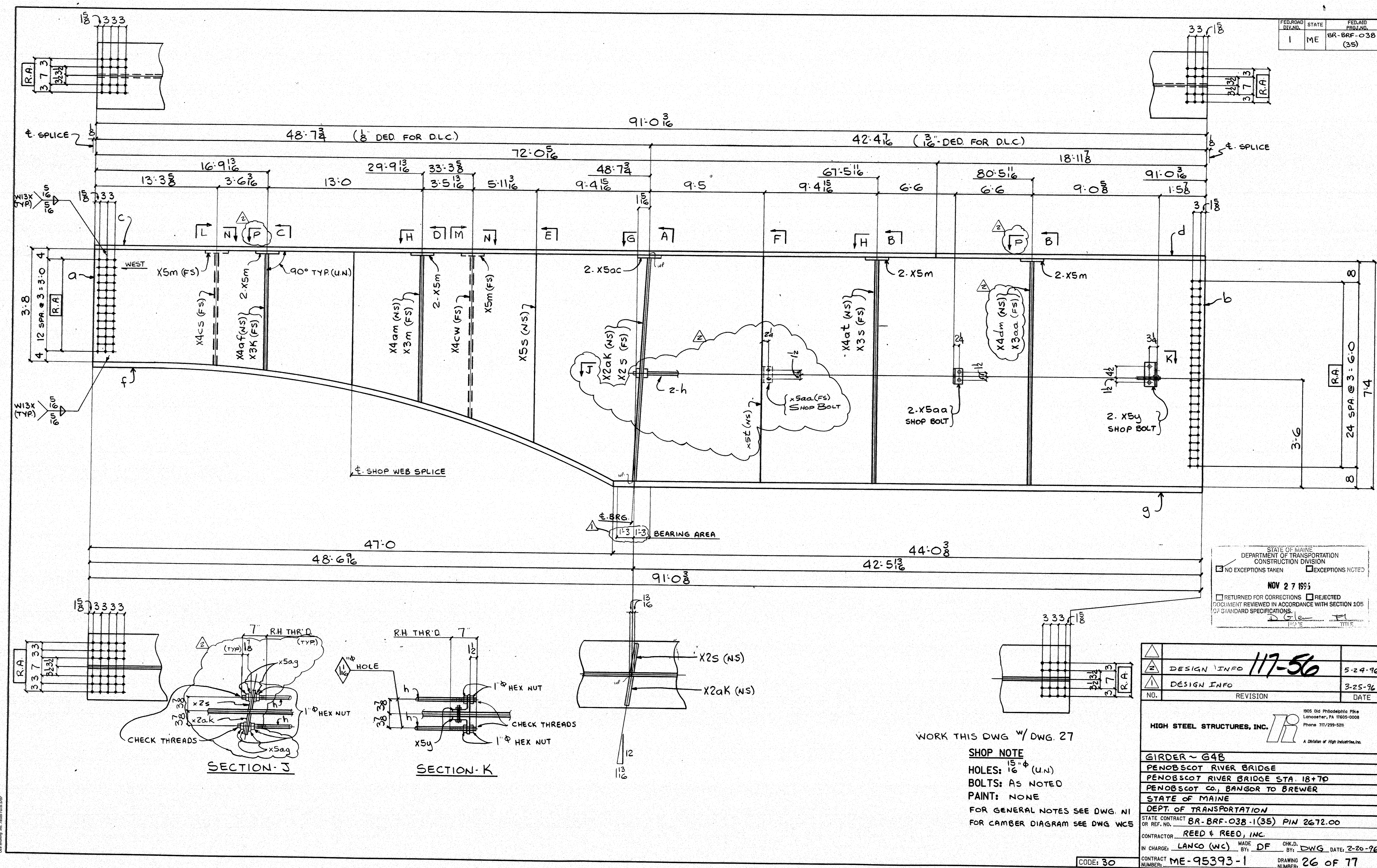
WORK THIS DWG w/ DWG. 23

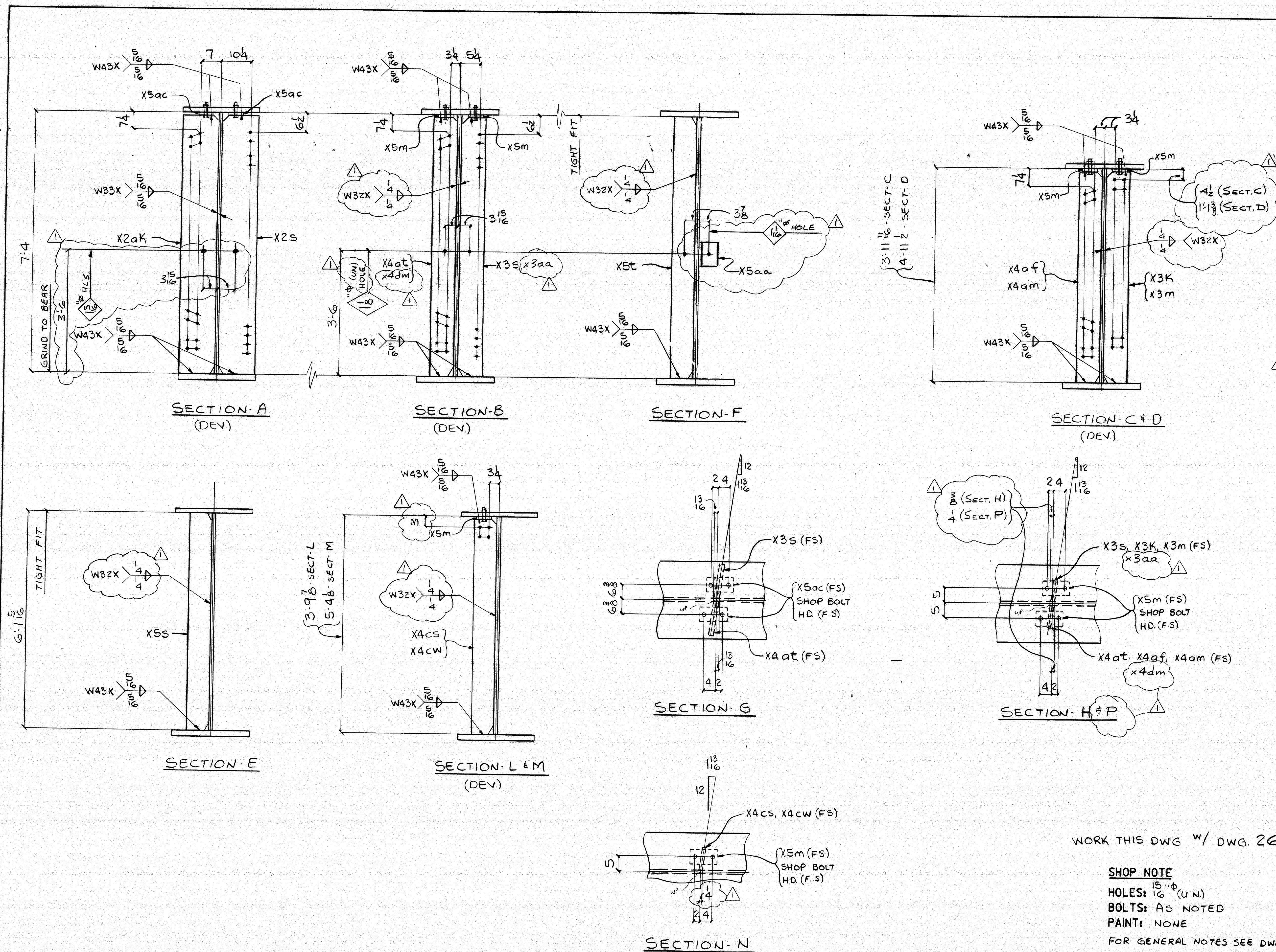
SHOP NOTE
 HOLES: 15-φ (UN)
 BOLTS: AS NOTED
 PAINT: NONE
 FOR GENERAL NOTES SEE DWG. N1
 FOR CAMBER DIAGRAM SEE DWG. WCS

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
 NOV 27 1995
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
 DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 305
 OF STANDARD SPECIFICATIONS

DESIGN INFO	117-52	5-24-96
DESIGN INFO		3-25-96
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC.		
GIRDER ~ G2B		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA 18+70		
PENOBSCOT CO., BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT BR-BRF-038-1(35) PIN 2672.00		
CONTRACTOR REED & REED, INC.		
IN CHARGE LAMCO (WC) MADE BY DF CHK'D BY DWG DATE 2-20-96		
CONTRACT ME-95393-11 DRAWING NUMBER 22 OF 77		

NOV 25 1996





WORK THIS DWG W/ DWG. 26

SHOP NOTE
 HOLES: 15/16" (U.N.)
 BOLTS: AS NOTED
 PAINT: NONE

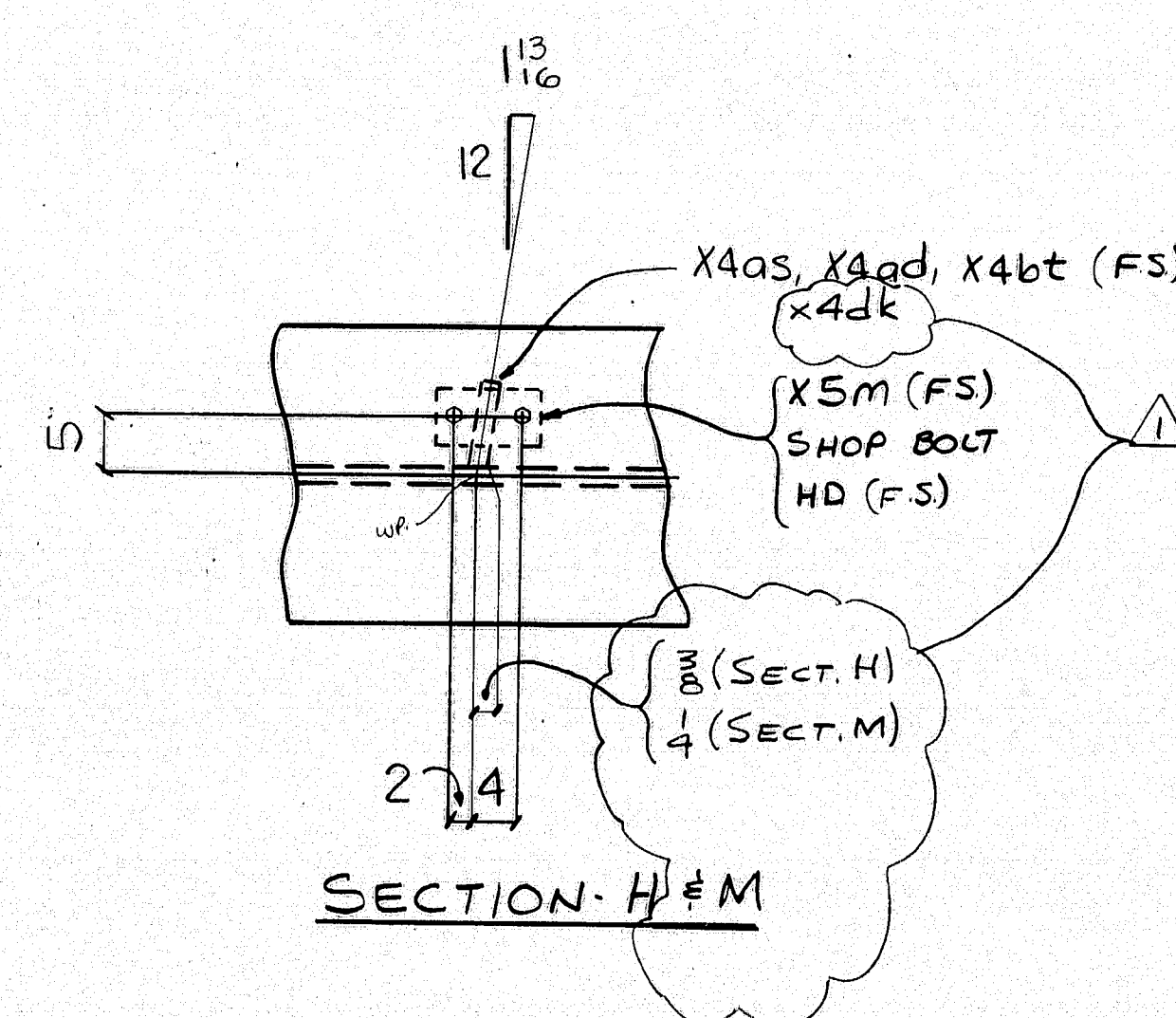
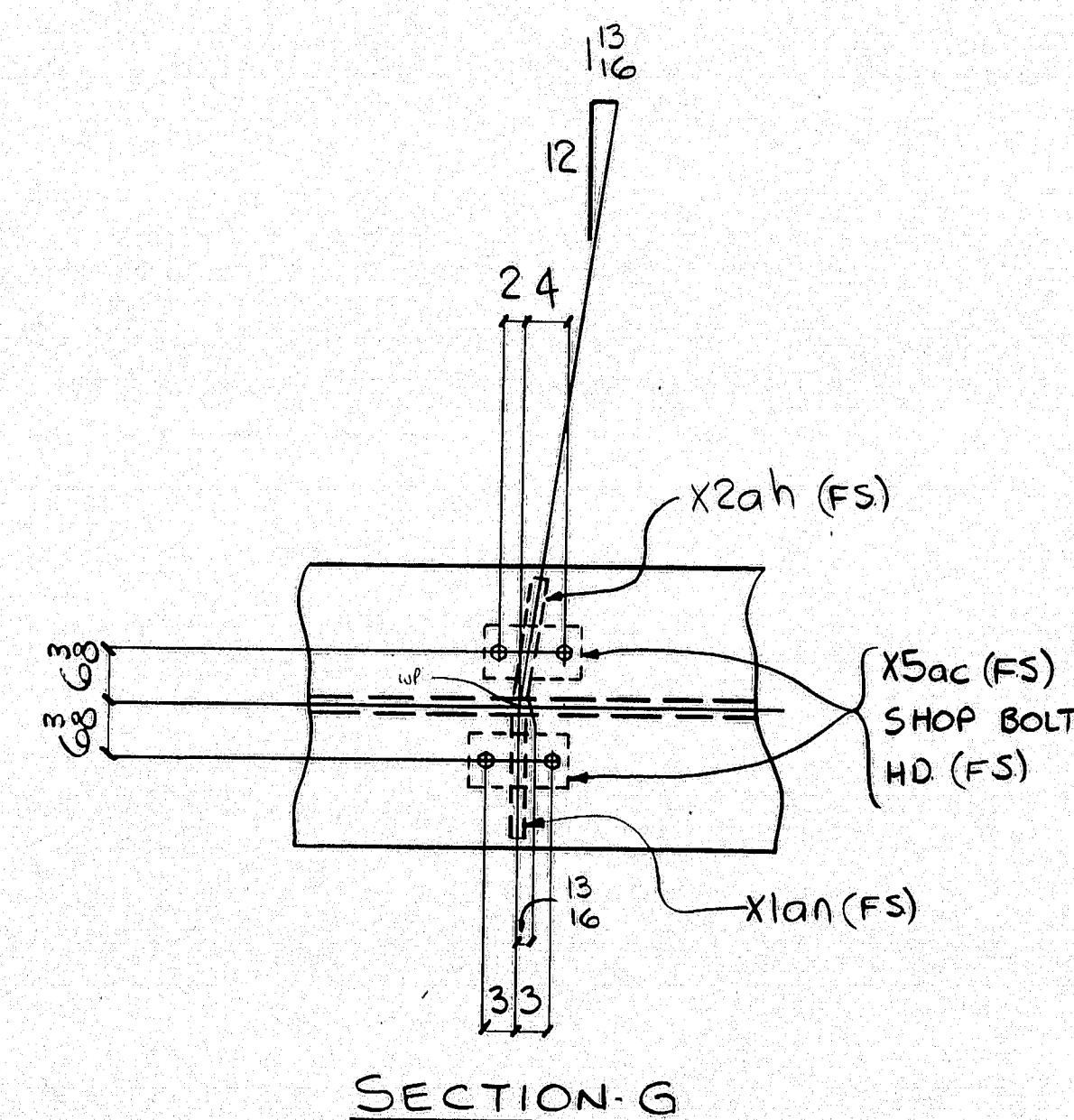
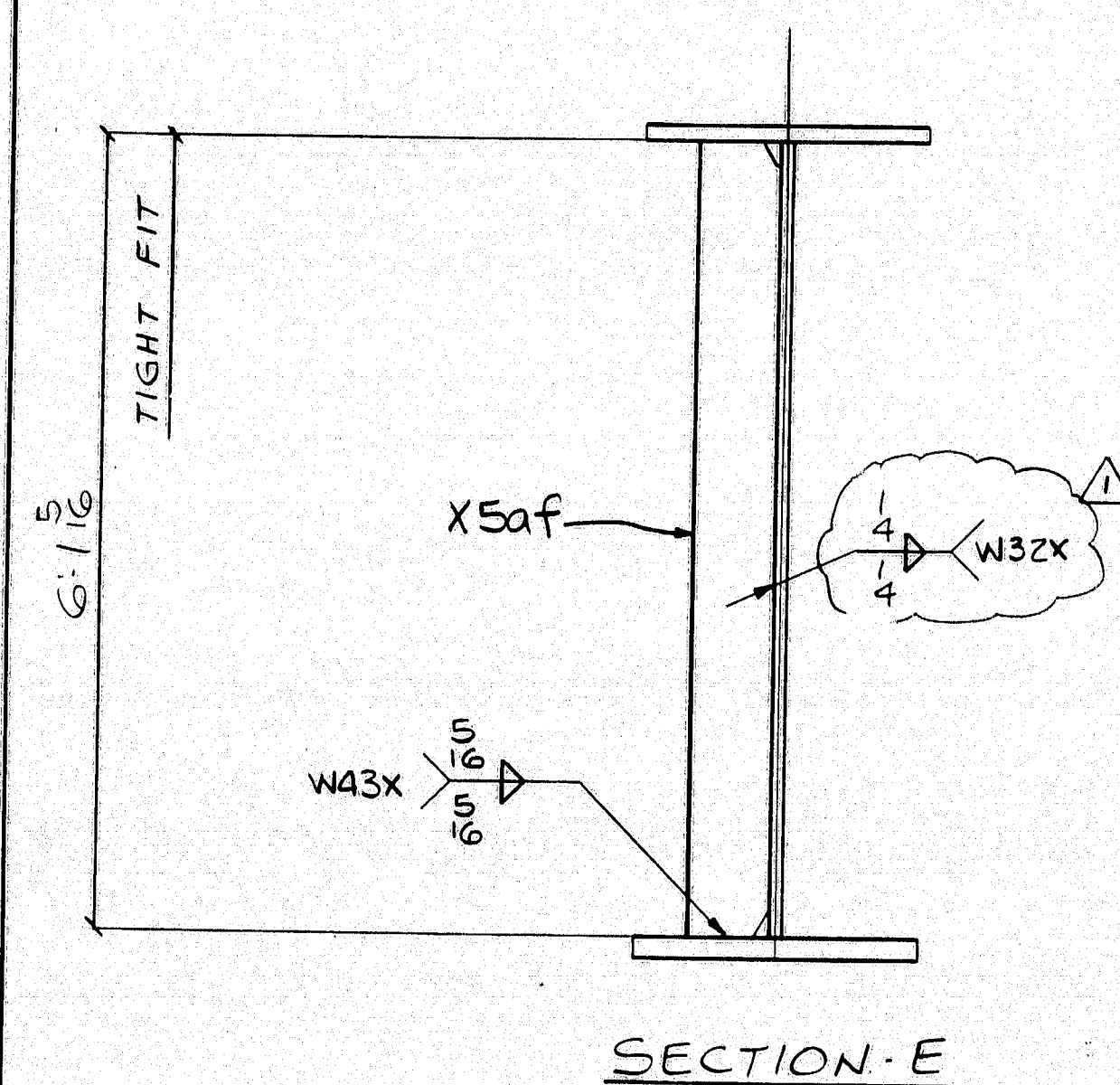
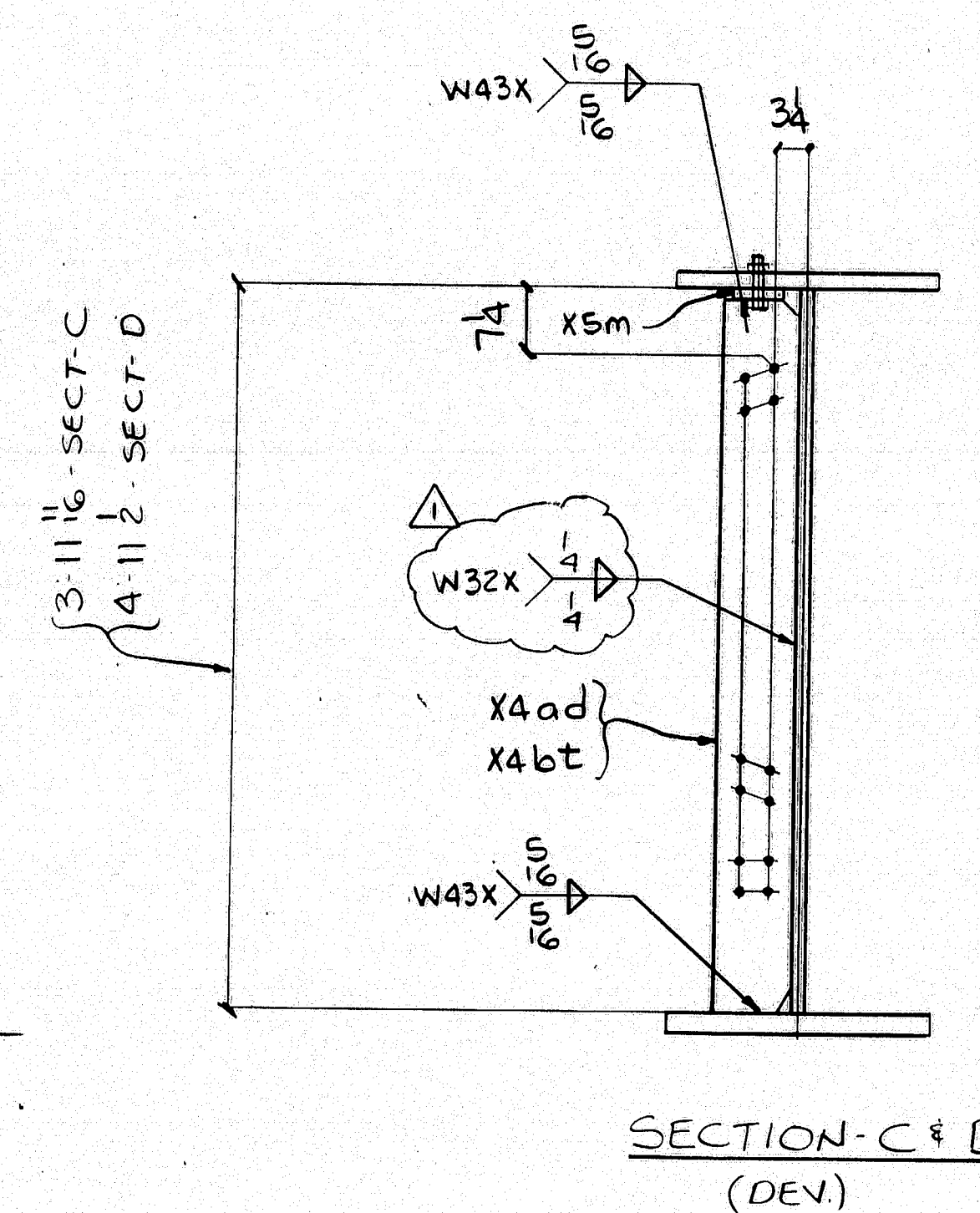
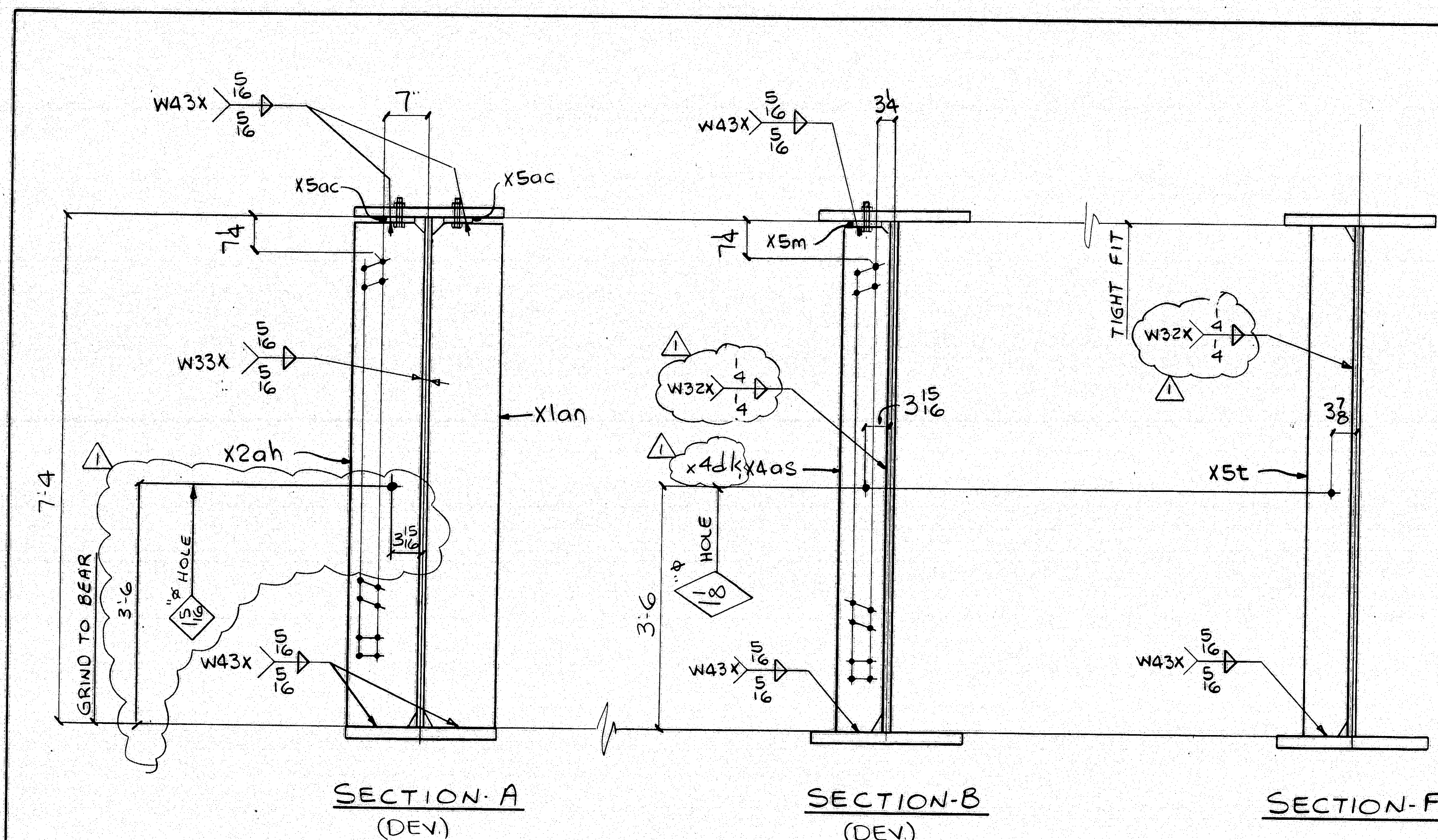
FOR GENERAL NOTES SEE DWG. N1
 FOR CAMBER DIAGRAM SEE DWG. WCS

		FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.		
		1	ME	BR-BRF-038-1 (35)		
BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP- WIGHT E.G.
ONE	G4B	GIRDER				54,337
1	a	R. 52 1/2 x 3/4	22	9 1/2 (T)	1	10
1	b	R. 88 x 3/4	68	3 3/8 (T)	1	12
1	c	R. 26 x 2 1/2	72	0 5/8 (T)	3	5
1	d	R. 26 x 2 1/2	18	1 1/8 (T)	3	22
1	f	R. 26 x 2 1/2	47	2 1/8 (T)	3	12
1	g	R. 26 x 2 1/2	44	0 3/8 (T)	3	15
2	h	1" ROD	41	3 1/2	ABT.	7
8		1" HEX NUTS				81
2	X5y	5x5x5/8	0	9		1
3	X5aa	5x3 1/2 x 5/8	0	6		1
10	X5m	BAR. 5 x 8	0	9		1
2	X5ac	BAR. 8 x 8	0	9		1
1	X2aK	R. 12 x 1 1/2	7	3 3/8		1
1	X2S	R. 12 x 1 1/2	7	3 3/8		1
4	X5ag	BAR. 1 1/2 x 1/4	0	1 1/4		1
1	X4at	BAR. 7 1/2 x 1 1/8	7	3 3/8		1
1	X3S	BAR. 7 1/2 x 1 1/8	7	3 3/8		1
1	X4af	BAR. 7 1/2 x 1 1/8	3	11 1/8		1
1	X3K	BAR. 7 1/2 x 1 1/8	3	11 1/8		1
1	X4am	BAR. 7 1/2 x 1 1/8	4	10 3/8		1
1	X3M	BAR. 7 1/2 x 1 1/8	4	10 3/8		1
1	X4CS	BAR. 7 1/2 x 1 1/8	3	9 1/4		1
1	X4CW	BAR. 7 1/2 x 1 1/8	5	3 1/2		1
1	X5t	BAR. 7 1/2 x 1 1/8	7	4		1
1	X5S	BAR. 7 1/2 x 1 1/8	6	1 3/8		1
1	X4dm	BAR. 7 1/2 x 1 1/8	7	3 3/8		1
1	X3aa	BAR. 7 1/2 x 1 1/8	7	3 3/8		1
24	3/8"	HS BOLTS	0	4	T/FLG	81
4	3/8"	HS BOLTS	0	2 1/2	Z.H.R. CLIPS, WEB	81
30	WASH	FOR 3/8" BOLTS				81
2	3/8"	H.S. BOLTS	0	2 1/2	I.H.R. CLIP, WEB	81

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
 NOV 27 1995
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
 DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
 OF STANDARD SPECIFICATIONS
 [Signature]
 [Signature]

DESIGN INFO	117-57	DATE
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC.		
GIRDER SECTIONS ~ G4B		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO., BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT	BR-BRF-038-1 (35)	PIN 2672.00
CONTRACTOR	REED & REED, INC.	
IN CHARGE	LANCO (WC)	MADE BY: DF
DRAWING NUMBER	ME-95393-1	CHK'D. BY: DWG DATE: 2-20-96
27 OF 77		

NOV 25 1995



FED. ROAD DIST. NO.		STATE	FED. ROAD PROGRAM NO.			
1		ME	BR-BRF-038-1 (35)			
BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP WEIGHT EA.
ONE	GSB	GIRDER				53,27
1	a	R. 50 1/2 x 3/4	22 9	(T)	1	10
1	b	R. 88 x 3/4	68 3/4	(T)	1	12
1	c	R. 26 x 2 1/2	72 0 5/8	(T)	3	5
1	d	R. 26 x 2 1/2	18 1 1/8	(T)	3	22
1	f	R. 26 x 2 1/2	48 6 1/8	(T)	3	11
1	g	R. 26 x 2 1/2	42 8 5/8	(T)	3	16
1	h	1" ROD	37 10 3/4	ABT.	7	18
4		1" HEX NUTS			81	21
1	X5y	5x5x3/8	0 9		7	16
1	X5aa	5x3 1/2x3/8	0 6		7	17
4	X5m	BAR-5x8	0 9		7	10
2	X5ac	BAR-8x8	0 9		7	10
1	X2ah	R. 12 x 1 1/2	7 3 3/8		7	2
1	Xlan	R. 12 x 1 1/2	7 3 3/8		7	2
1	X4as	BAR-7 1/2 x 1 1/8	7 3 3/8		7	5
1	X4ad	BAR-7 1/2 x 1 1/8	3 1 1/8		7	6
1	X4bt	BAR-7 1/2 x 1 1/8	4 10 1/8		7	5
1	X4dk	BAR-7 1/2 x 1 1/8	7 3 3/8		7	8
1	X5t	BAR-7 1/2 x 1 1/8	7 4		7	5
1	X5af	BAR-7 1/2 x 1 1/8	6 1 3/8		7	5
2	X5ag	BAR-1 1/2 x 1/4	0 1 3/8		7	21
2	X5ab	WTG x 13	0 8		7	11
12	3/8"	HS BOLTS	0 4	7/FLG	81	8
4	3/8"	HS BOLTS	0 2 1/2	WEB	81	4
16	WASH.	FOR 3/8" BOLTS			81	11
8	3/8"	HS BOLTS	0 24	X5ab	81	15
8	WASH.	FOR 3/8" BOLTS			81	18

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1995
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

117-59	
DESIGN INFO	9-24-96
NO.	REVISION
	DATE

1710 Hempstead Road
Lancaster, PA 17605-0008
Phone 717/299-5201

HIGH STEEL STRUCTURES, INC.

A Division of High Industries, Inc.

GIRDER SECTIONS ~ GSB
PENOBSCOT RIVER BRIDGE
PENOBSCOT RIVER BRIDGE STA 18+70
PENOBSCOT CO., BANGOR TO BREWER
STATE OF MAINE
DEPT OF TRANSPORTATION
STATE CONTRACT
OR REF. NO. BR-BRF-038-1 (35) PIN 2672.00
CONTRACTOR REED & REED, INC.
IN CHARGE Lanco (WC) MADE DF CHK'D DWG DATE 2-20-96
CONTRACT ME-95393-1 DRAWING NUMBER 29 OF 77

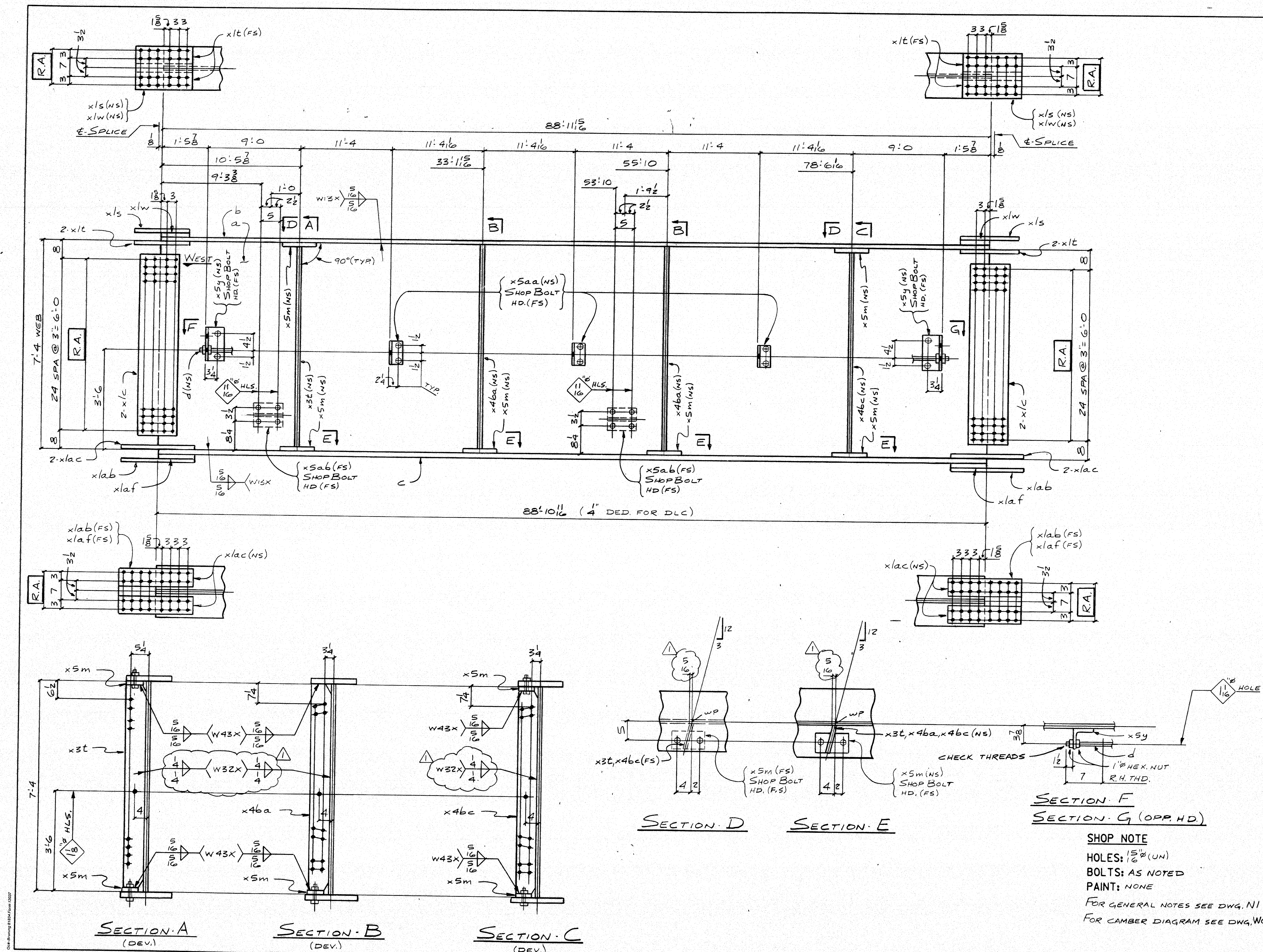
WORK THIS DWG W/ DWG 28

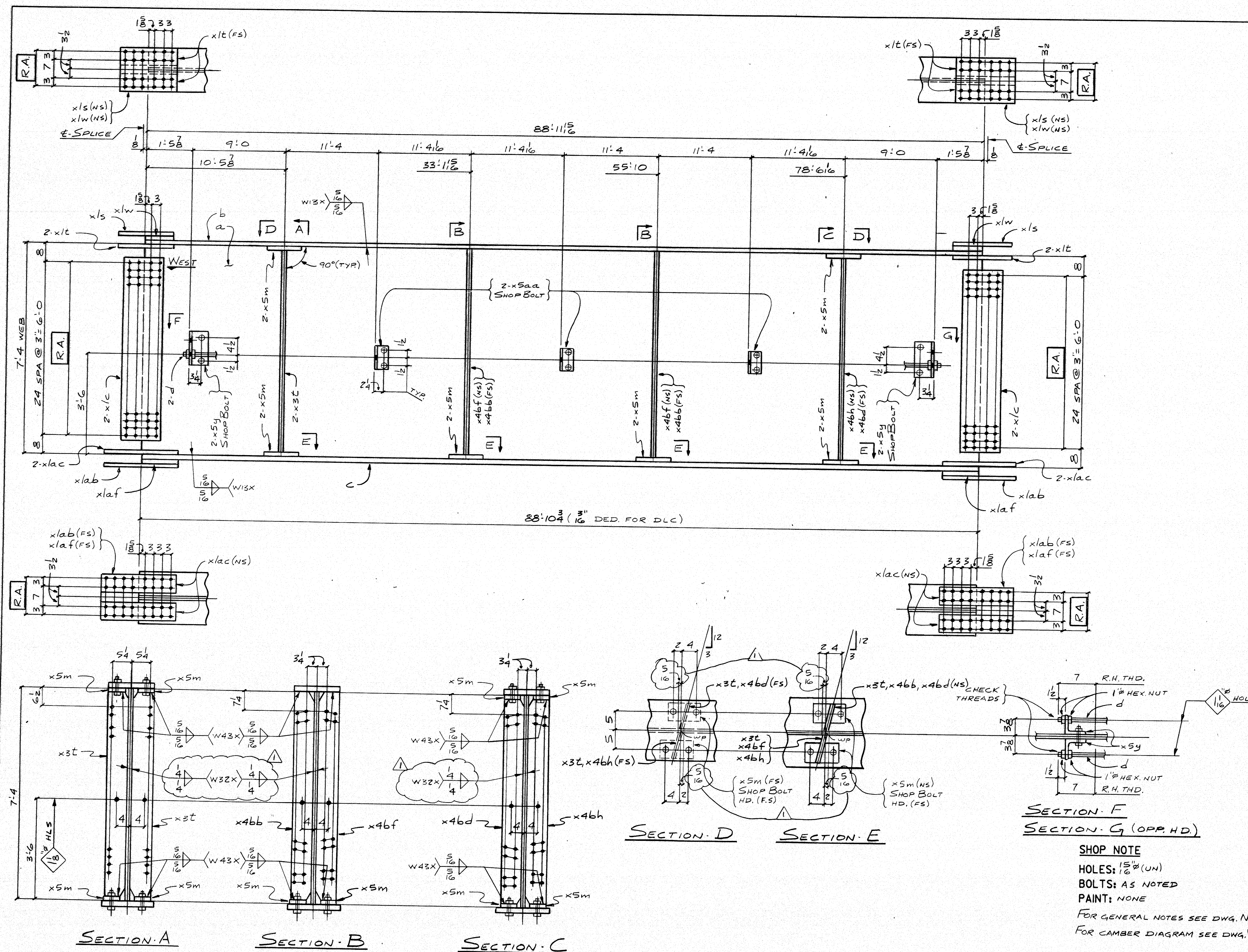
SHOP NOTE
HOLES: 1 1/2" (UN)
BOLTS: AS NOTED
PAINT: NONE

FOR GENERAL NOTES SEE DWG N1
FOR CAMBER DIAGRAM SEE DWG WCS

CODE: 30

NOV 25 1996





BILL OF MATERIAL									
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	QTY	UNIT	WEIGHT	EX.
ONE GZC GIRDER									
1	a	R. 88 x 3/4	88	11 1/2 (T)	1	7		3453	
1	b	R. 16 x 1	88	11 1/2 (T)	4	11			
1	c	R. 18 x 1 1/4	88	10 3/4 (T)	4	4			
2	d	1\"	86	34	ABT.	7	18		
4	x/c	R. 75 x 1/2	1	0 1/2 (T)	6	9			
2	x/s	R. 16 x 1/2	1	6 1/2 (T)	6	11			
4	x/t	BAR 7 x 3/8	1	6 1/2 (T)	6	7			
2	x/ab	R. 16 x 3/8	2	0 1/2 (T)	6	6			
4	x/ac	BAR 7 x 1	2	0 1/2 (T)	6	4			
2	x/w	R. 9 1/2 x 1 1/8	1	4	6	17			
2	x/af	R. 12 1/2 x 3/8	1	4	6	18			
2	x/st	BAR 7 1/2 x 3/8	7	2 3/4	7	8			
2	x/ab		7	3 3/8	7	8			
1	x/ab		7	2 3/4	7	8			
2	x/ab		7	3 3/8	7	8			
1	x/ab	BAR 7 1/2 x 3/8	7	2 3/4	7	8			
10	x/sm	BAR 5 x 3/8	0	9	7	10			
4	x/sy	5 x 5 x 3/8	0	9	7	16			
6	x/saa	5 x 3 1/2 x 3/8	0	6	7	17			
10	3/8"	H.S. BOLT	0	2 3/4	H.R. CLIPS, WEB	81	5		
8	3/4"	H.S. BOLT	0	3	3/8" R, TOP FLG.	81	6		
16	3/8"	H.S. BOLT	0	34	3/8" R, BOT. FLG.	81	7		
34		WASHERS FOR 3/8" BOLT				81	11		
8	1"	HEX. NUT				81	21		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1955
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

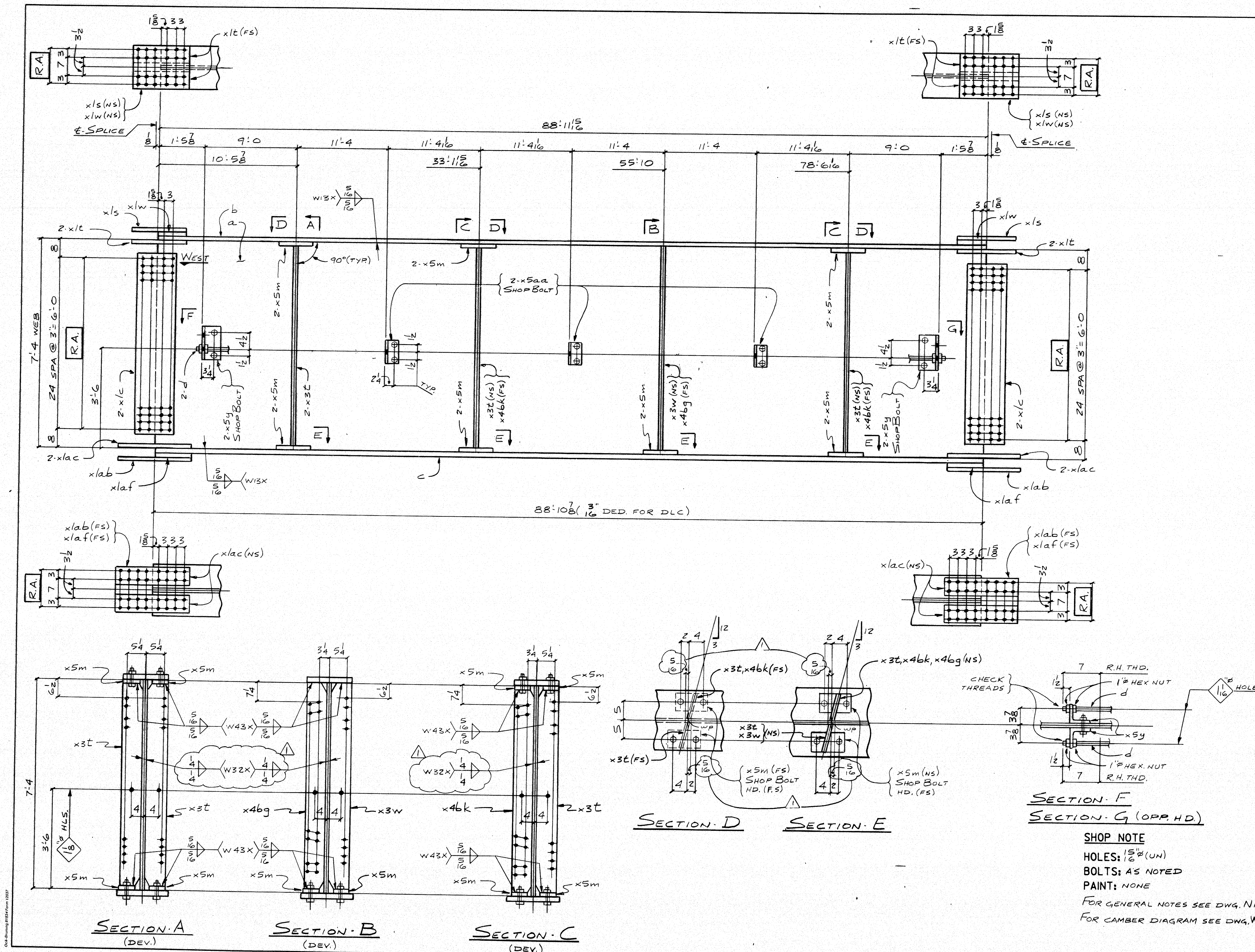
117-61		5-24-76
DESIGN INFO	REVISION	DATE
HIGH STEEL STRUCTURES, INC.		
GIRDER - GZC		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO., BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT OR REF. NO. BR-BRF-038-1 (35) PIN 2672.00		
CONTRACTOR REED & REED, INC.		
IN CHARGE LAMCO (WC) MADE BY SJR DWG DATE 2-20-76		
CONTRACT NUMBER ME-95393-1 DRAWING NUMBER 31 OF 77		

SECTION F
SECTION G (OPP. HD.)

SHOP NOTE
HOLES: 1 5/8" (UN)
BOLTS: AS NOTED
PAINT: NONE
FOR GENERAL NOTES SEE DWG. N1
FOR CAMBER DIAGRAM SEE DWG. WC1

CODE: 30

NOV 27 1955



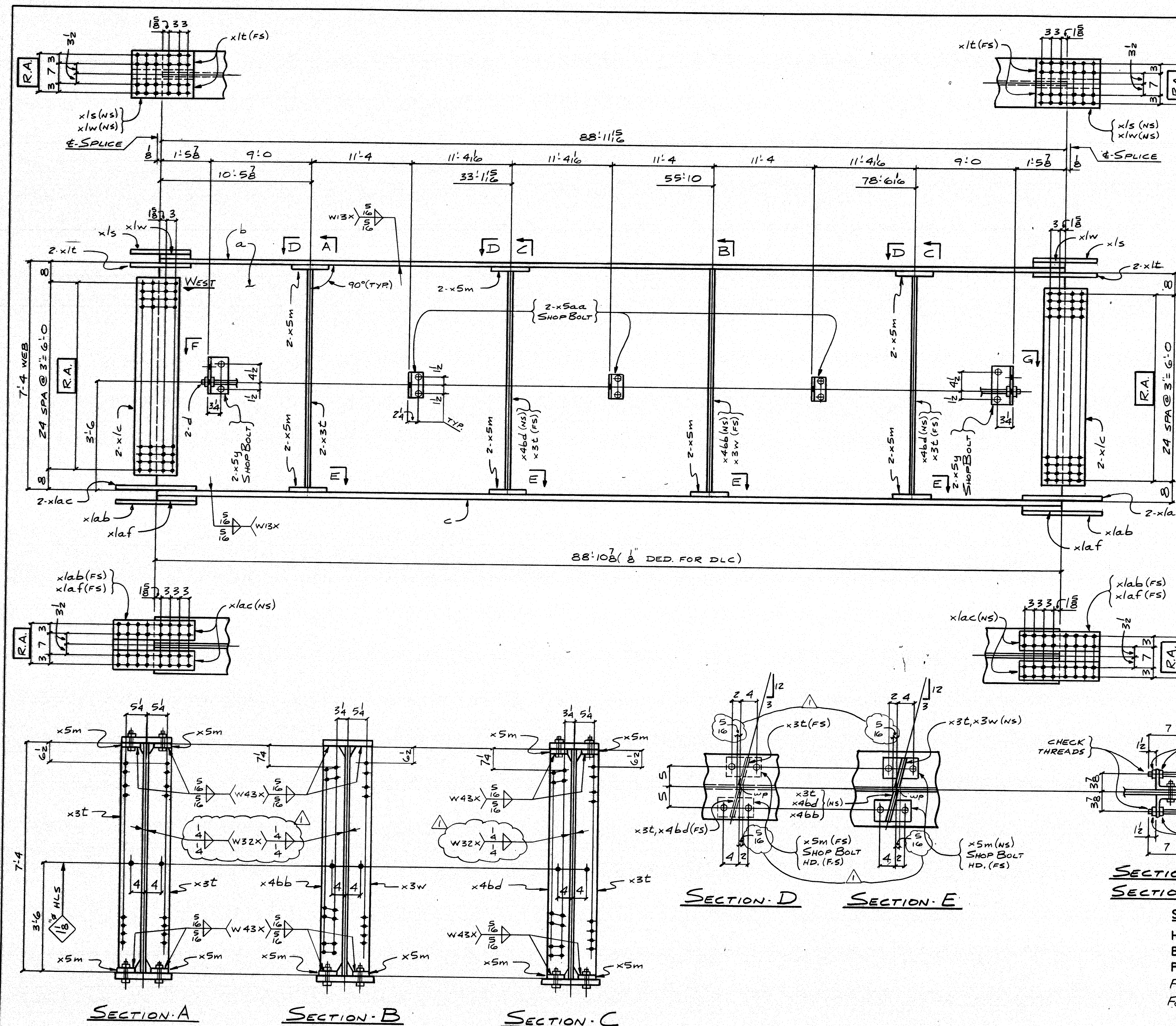
		FED. ROAD DIV. NO.		STATE	FED. AID PROJ. NO.	
		1		ME	BR-BRF-038-1 (35)	

BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP WEIGHT LBS.
ONE G3C GIRDER						
1	a	R-88 x $\frac{3}{4}$	88' $11\frac{1}{2}$ "	(T)	1	7
1	b	R-16 x 1	88' $11\frac{1}{2}$ "	(T)	4	11
1	c	R-18 x $1\frac{1}{4}$	88' $10\frac{1}{2}$ "	(T)	4	4
2	d	1" ROD	86' $3\frac{1}{2}$ "	ABT.	7	18
4	x1c	R-75 x $\frac{1}{2}$	1' $0\frac{1}{2}$ "	(T)	6	9
2	x1s	R-16 x $\frac{1}{2}$	1' $6\frac{1}{2}$ "	(T)	6	11
4	x1t	BAR-7 x $\frac{3}{8}$	1' $6\frac{1}{2}$ "	(T)	6	7
2	x1ab	R-16 x $\frac{3}{8}$	2' $0\frac{1}{2}$ "	(T)	6	6
4	x1ac	BAR-7 x 1	2' $0\frac{1}{2}$ "	(T)	6	4
2	x1w	R-9 $\frac{1}{2}$ x $1\frac{1}{2}$	1' 4"		6	17
2	x1af	R-12 $\frac{1}{2}$ x $\frac{3}{8}$	1' 4"		6	18
4	x3t	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7' $2\frac{3}{4}$ "		7	8
1	x3w		7' $3\frac{3}{8}$ "		7	8
1	x4bg		7' $3\frac{3}{8}$ "		7	8
2	x4bk	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7' $2\frac{3}{4}$ "		7	8
14	x5m	BAR-5 x $\frac{3}{8}$	0' 9"		7	10
4	x5y	$\frac{5}{8}$ x 5 x $\frac{3}{8}$	0' 9"		7	16
6	x5aa	$\frac{5}{8}$ x 3 $\frac{1}{2}$ x $\frac{3}{8}$	0' 6"		7	17
10	$\frac{3}{8}$ "	H.S. BOLT	0' $2\frac{1}{2}$ "	H.R. CLIPS, WEB	8	5
12	$\frac{3}{8}$ "	H.S. BOLT	0' $3\frac{5}{8}$ "	R. TOP FLG	8	6
16	$\frac{3}{8}$ "	H.S. BOLT	0' $3\frac{1}{4}$ "	R. BOT. FLG	8	7
38		WASHERS FOR $\frac{3}{8}$ " BOLT			8	11
8	1"	HEX. NUT			8	21

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1995
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS
DESIGNED BY: [Signature] CHECKED BY: [Signature]
TITLE: [Blank]

117-62		
DESIGN INFO		5-24-96
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC.		
GIRDER - G3C		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO. BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT OR REF. NO.	BR-BRF-038-1 (35) PIN 2672.00	
CONTRACTOR	KEED & KEED, INC.	
IN CHARGE	LANCO (WC)	MADE BY: SJR CHK'D BY: [Blank] DNG DATE: 3-20-96
CONTRACT NUMBER	ME-95393-1	DRAWING NUMBER 32 OF 77

NOV 25 1996



FED. ROAD DIST. NO.		STATE	FED. ROAD DIST. NO.			
1		ME	BR-BRF-038-1 (35)			
BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHR. WEIGHT Lbs.
ONE	G4C	GIRDER				24,544
1	a	R. 88x $\frac{3}{4}$	88 11 $\frac{1}{2}$	(T)	1	7
1	b	R. 16x1	88 11 $\frac{1}{2}$	(T)	4	11
1	c	R. 18x1 $\frac{1}{4}$	88 10 $\frac{3}{8}$	(T)	4	4
2	d	1" ROD	86 3 $\frac{1}{4}$	ABT.	7	18
4	x1c	R. 75x $\frac{1}{2}$	1 0 $\frac{1}{2}$	(T)	6	9
2	x1s	R. 16x $\frac{1}{2}$	1 6 $\frac{1}{2}$	(T)	6	11
4	x1t	BAR-7x $\frac{3}{8}$	1 6 $\frac{1}{2}$	(T)	6	7
2	x1ab	R. 16x $\frac{3}{8}$	2 0 $\frac{1}{2}$	(T)	6	6
4	x1ac	BAR-7x1	2 0 $\frac{1}{2}$	(T)	6	4
2	x1w	R. 96x $\frac{1}{8}$	1 4		6	17
2	x1af	R. 126x $\frac{3}{8}$	1 4		6	18
4	x3c	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7 2 $\frac{3}{8}$		7	8
1	x3w		7 3 $\frac{3}{8}$		7	8
1	x4bb		7 3 $\frac{3}{8}$		7	8
2	x4bd	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7 2 $\frac{3}{8}$		7	8
14	x5m	BAR-5x $\frac{5}{8}$	0 9		7	10
4	x5y	5x5x $\frac{3}{8}$	0 9		7	16
6	x5aa	5x3 $\frac{1}{2}$ x $\frac{3}{8}$	0 6		7	17
10	$\frac{3}{8}$ "	H.S. BOLT	0 2 $\frac{3}{8}$	H.R. CLIPS, WEB	8	5
12	$\frac{3}{8}$ "	H.S. BOLT	0 3	$\frac{5}{8}$ " R. TOP FLG	8	6
16	$\frac{3}{8}$ "	H.S. BOLT	0 3 $\frac{1}{4}$	$\frac{5}{8}$ " R. BOT. FLG	8	7
38		WASHERS FOR $\frac{3}{8}$ " BOLT			8	11
8	1"	HEX. NUT			8	21

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1995
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
PROJECT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS
BY: [Signature] TITLE: [Signature]

117-63		
DESIGN INFO		5-24-96
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC. 1770 Hempstead Road Lancaster, PA 17606-0008 Phone 717/295-5211 A Division of High Industries, Inc.		
GIRDER - G4C		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO., BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT OR REF. NO. BR-BRF-038-1 (35) PIN 2672.00		
CONTRACTOR REED & REED, INC.		
IN CHARGE LAMCO (WC)	BY: SJR	DATE: 2-20-96
CONTRACT NUMBER ME-95393-1	DRAWING NUMBER 33 OF 77	

SHOP NOTE
HOLES: 15/16" (UN)
BOLTS: AS NOTED
PAINT: NONE
FOR GENERAL NOTES SEE DWG. N1
FOR CAMBER DIAGRAM SEE DWG. WC1

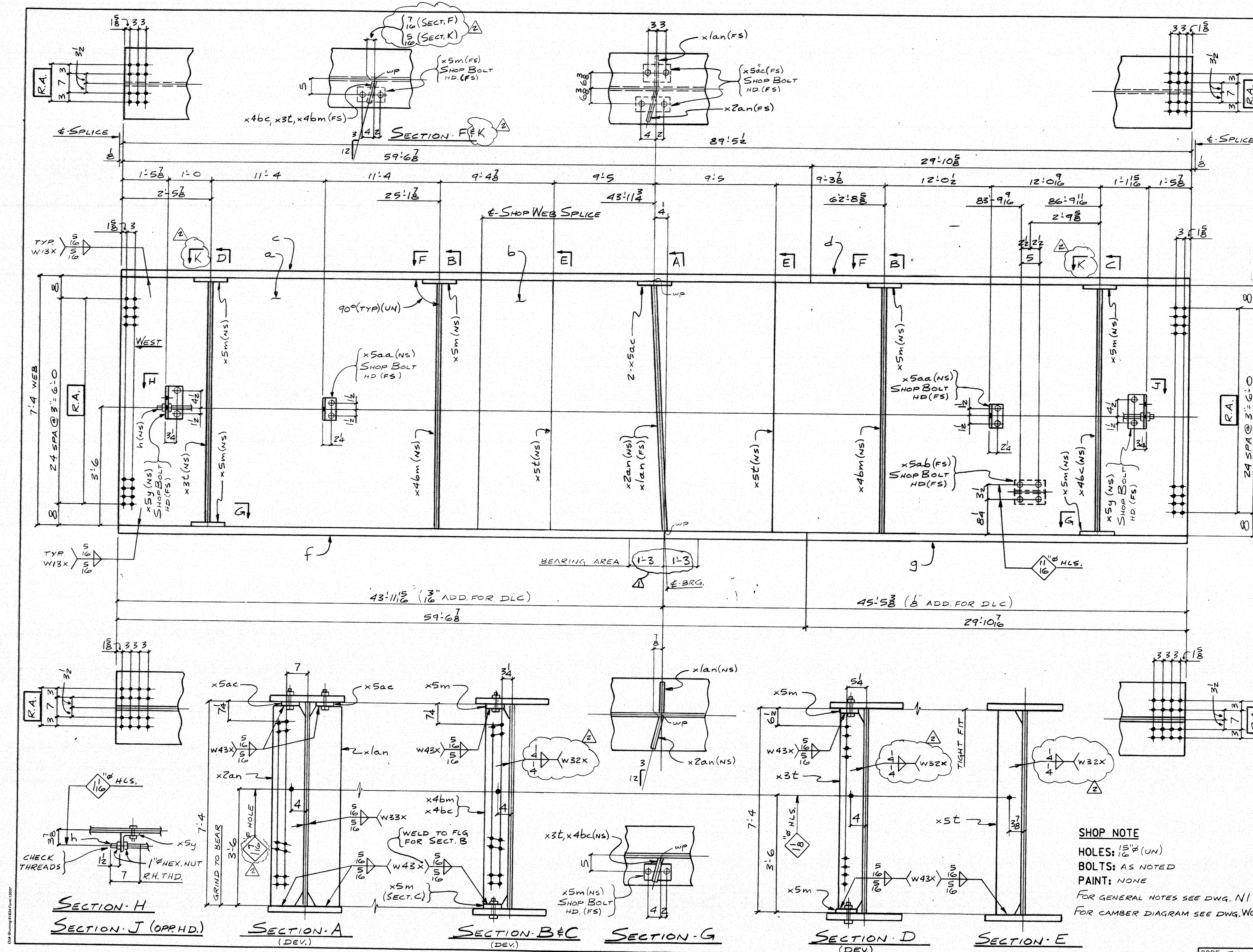
SECTION - F
SECTION - G (OPP. HD.)

SECTION - D **SECTION - E**

SECTION - A **SECTION - B** **SECTION - C**

CODE: 30

NOV 27 1996



NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	QTY
-----	------	-------------	--------	---------	------	-----

NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	QTY
ONE	GID	GIRDER				53754
1	a	R-88x4	29'11 1/2"	(r)		1/5
1	b	R-88x4	59'5 1/2"	(r)		1/6
1	c	R-26x2 1/2	59'6 1/2"	(r)		3/10
1	d	R-26x2 1/2	29'10 1/2"	(r)		3/19
1	f	R-26x2 1/2	59'6 1/2"	(r)		3/10
1	g	R-26x2 1/2	29'10 1/2"	(r)		3/19
1	h	R-1" ROD	86'8 1/2"	ABT.		7/18
1	x1a	R-12x1 1/2	7'3 3/8"			7/2
1	x2a	R-12x1 1/2	7'3 3/8"			7/2
1	x3t	BAR-7 1/2 x 3/8	7'2 1/4"			7/8
2	x4bm	BAR-7 1/2 x 1 1/4	7'3 3/8"			7/5
1	x4bc	BAR-7 1/2 x 3/8	7'2 1/4"			7/8
2	x5t	BAR-7 1/2 x 1/4	7'4"			7/5
6	x5m	BAR-5 x 3/8	0'9"			7/10
2	x5ac	BAR-8 x 3/8	0'9"			7/10
2	x5y	5 x 5 x 3/8	0'9"			7/16
2	x5aa	5 x 3 1/2 x 3/8	0'6"			7/17
1	x5ab	WT 6 x 13	0'8"			7/11
8	3/8"	H.S. BOLT	0'2 1/2"	H.R. CLIP, WEB		8/14
16	3/8"	H.S. BOLT	0'4'8"	R TO FLG.		8/8
24		WASHERS FOR 3/8" BOLT				8/11
4	3/8"	H.S. BOLT	0'2 1/2"	x5ab TO WEB		8/15
4		WASHERS FOR 3/8" BOLT				8/18
4	1"	HEX. NUT				8/21

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1995

☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

DESIGNER: [Signature]
CHECKED: [Signature]
DATE: [Signature]

DESIGN INFO 117-65

DESIGN INFO

NO. REVISION DATE

HIGH STEEL STRUCTURES, INC.

1710 Hampstead Road
Lancaster, PA 17606-0008
Phone 717/299-2222

GIRDER - GID

PENOBSCOT RIVER BRIDGE

PENOBSCOT RIVER BRIDGE STA. 18+70

PENOBSCOT CO. BANGOR TO BREWER

STATE OF MAINE

DEPT. OF TRANSPORTATION

STATE CONTRACT NO. BR-BRF-038-1 (35) PIN 2672.00

CONTRACTOR: REED & REED, INC.

IN CHARGE: LANGE (WC) MADE BY: SJR CHK'D: DWG DATE: 2-20-96

CONTRACT NUMBER: ME-95393-1 DRAWING NUMBER: 35 OF 77

CODE: 30

SHOP NOTE

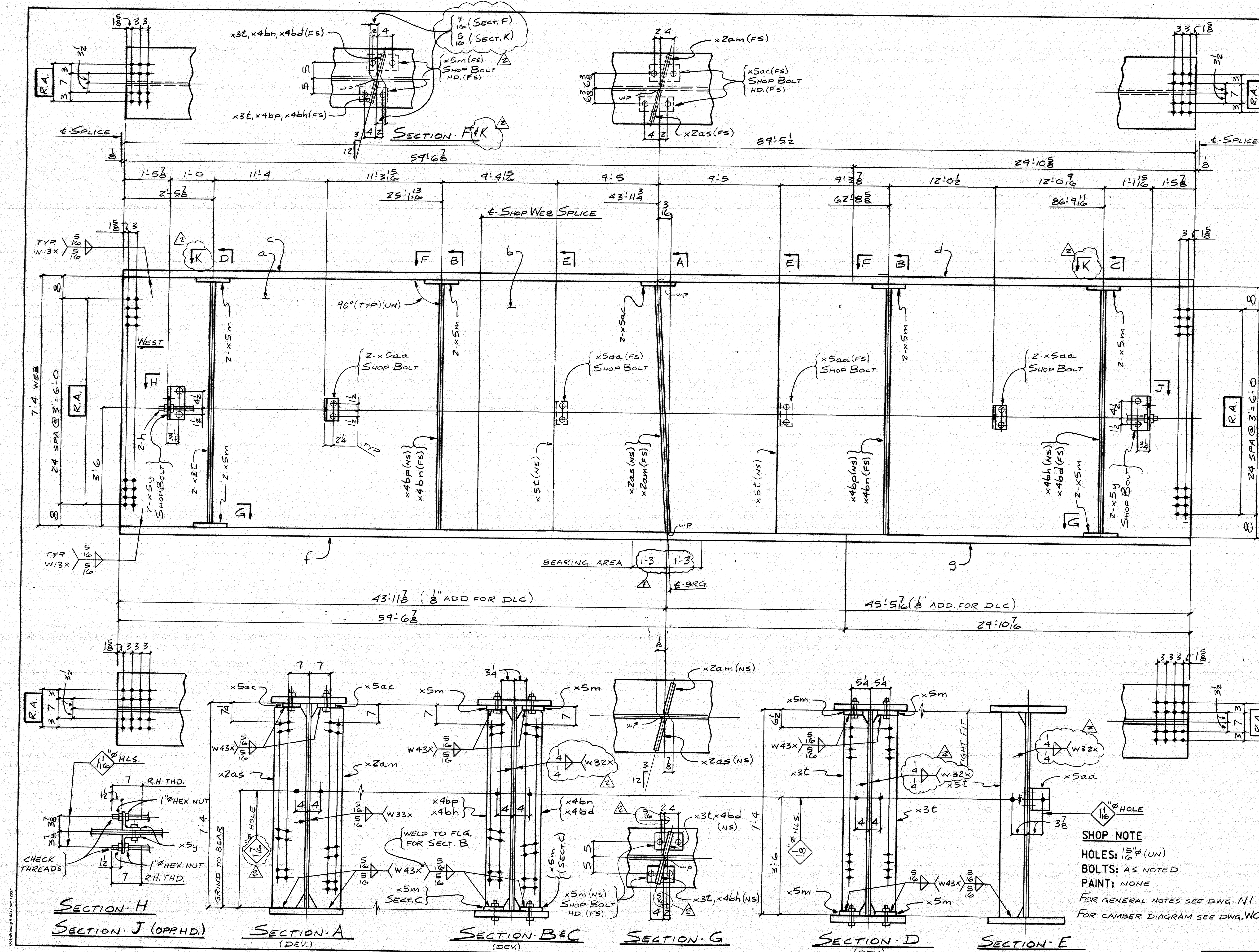
HOLES: 1 1/2" (UN)

BOLTS: AS NOTED

PAINT: NONE

FOR GENERAL NOTES SEE DWG. N1

FOR CAMBER DIAGRAM SEE DWG. WC1

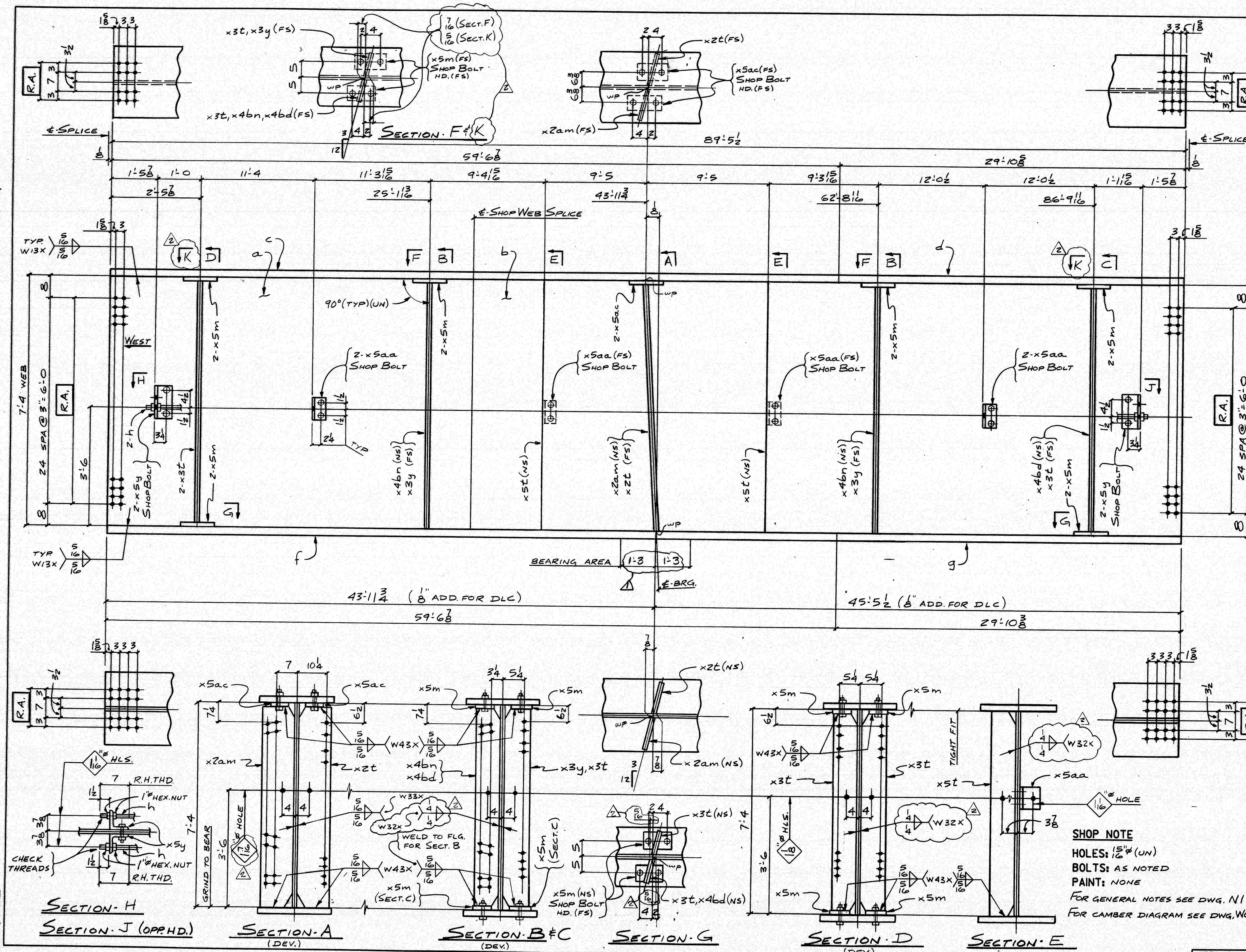


FED. ROAD DIV. NO.		STATE	FED. ROAD DIST. NO.			
1		ME	BR-BRF-038- (35)			
BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	QTY. WEIGHT EA.
ONE	G2D	GIRDER				56.58
1	a	R-88x $\frac{3}{4}$	29' 11 $\frac{1}{2}$ "	(T)		1' 15
1	b	R-88x $\frac{3}{4}$	59' 5 $\frac{1}{2}$ "	(T)		1' 6
1	c	R-26x26 $\frac{1}{8}$	59' 6 $\frac{3}{8}$ "	(T)		3' 10
1	d	R-26x26 $\frac{1}{8}$	29' 10 $\frac{3}{8}$ "	(T)		3' 19
1	f	R-26x26 $\frac{1}{8}$	59' 6 $\frac{3}{8}$ "	(T)		3' 10
1	g	R-26x26 $\frac{1}{8}$	29' 10 $\frac{1}{2}$ "	(T)		3' 19
2	h	R-1" ROD	86' 8 $\frac{1}{4}$ "	AST		7' 18
1	x2am	R-12x $\frac{1}{2}$	7' 3 $\frac{1}{2}$ "			7' 2
1	x2as	R-12x $\frac{1}{2}$	7' 3 $\frac{1}{2}$ "			7' 2
2	x3t	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7' 2 $\frac{1}{2}$ "			7' 3
1	x4bd	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7' 2 $\frac{1}{2}$ "			7' 8
1	x4bn	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7' 2 $\frac{1}{2}$ "			7' 8
2	x4bp	BAR-7 $\frac{1}{2}$ x $\frac{1}{2}$	7' 3 $\frac{1}{2}$ "			7' 5
2	x5t	BAR-7 $\frac{1}{2}$ x $\frac{1}{2}$	7' 4"			7' 5
4	x5y	5x5x $\frac{5}{16}$	0' 9"			7' 16
6	x5aa	5x3 $\frac{1}{2}$ x $\frac{3}{8}$	0' 6"			7' 17
12	x5m	BAR-5x $\frac{3}{8}$	0' 9"			7' 10
2	x5ac	BAR-8x $\frac{3}{8}$	0' 9"			7' 10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS
DATE: 11/27/96

NO.	REVISION	DATE
1	DESIGN INFO	117-66
2	DESIGN INFO	3-25-96
HIGH STEEL STRUCTURES, INC.		
GIRDER - G2D		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO. BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT		
OR REF. NO. BR-BRF-038-1 (35) PTN 2672.00		
CONTRACTOR REED & REED, INC.		
IN CHARGE: LANCO (WC) MADE BY: SJR CHK'D BY: DWG DATE: 2-26-96		
CONTRACT NUMBER: ME-95393-1 DRAWING NUMBER: 36 OF 77		

SHOP NOTE
HOLES: 1/2" (UN)
BOLTS: AS NOTED
PAINT: NONE
FOR GENERAL NOTES SEE DWG. N1
FOR CAMBER DIAGRAM SEE DWG. WCI

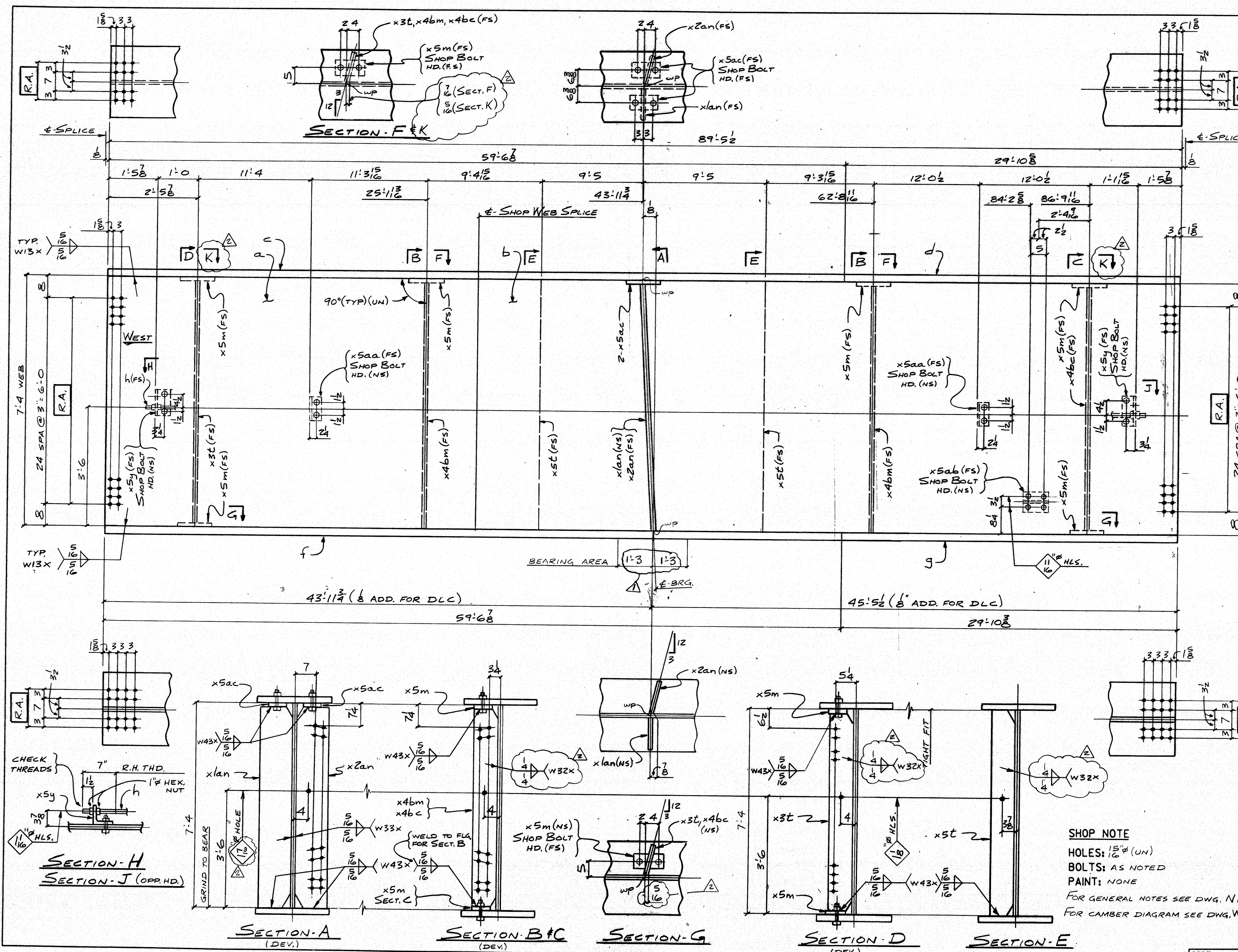


FED. ROAD DIV. NO.		STATE	FED. AID PROJ. NO.
1		ME	BR-BRF-038-1 (35)

BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHD- WEIGHT EA.
ONE	G4D	GIRDER				26,565
1	a	R-88x $\frac{3}{4}$	29 11 $\frac{1}{2}$	(T)		15
1	b	R-88x $\frac{3}{4}$	59 5 $\frac{1}{2}$	(T)		19
1	c	R-26x26	59 6 $\frac{1}{2}$	(T)		30
1	d	R-26x26	29 10 $\frac{1}{2}$	(T)		39
1	f	R-26x26	59 6 $\frac{1}{2}$	(T)		30
1	g	R-26x26	29 10 $\frac{1}{2}$	(T)		39
2	h	R-1 $\frac{1}{2}$ ROD	86 8 $\frac{1}{2}$	AST		18
1	x2t	R-12x1 $\frac{1}{2}$	7 3 $\frac{3}{8}$			72
1	x2am	R-12x1 $\frac{1}{2}$	7 3 $\frac{3}{8}$			72
3	x3t	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7 2 $\frac{3}{4}$			76
2	x3y	BAR-7 $\frac{1}{2}$ x $\frac{1}{16}$	7 3 $\frac{3}{8}$			75
2	x4bn	BAR-7 $\frac{1}{2}$ x $\frac{1}{16}$	7 3 $\frac{3}{8}$			75
1	x4b	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7 2 $\frac{3}{4}$			78
2	x5t	BAR-7 $\frac{1}{2}$ x $\frac{1}{16}$	7 4			75
12	x5m	BAR-5x $\frac{5}{8}$	0 9			70
2	x5ac	BAR-8x $\frac{5}{8}$	0 9			70
4	x5y	5x5x $\frac{5}{8}$	0 9			70
6	x5aa	5x3 $\frac{1}{2}$ x $\frac{5}{8}$	0 6			70
4	$\frac{3}{8}$ "	H.S. BOLT	0 2 $\frac{1}{2}$	1-H.R. CLIP, WEB		81
8	$\frac{3}{8}$ "	H.S. BOLT	0 2 $\frac{1}{2}$	2-H.R. CLIPS, WEB		81
28	$\frac{3}{8}$ "	H.S. BOLT	0 4	8-R TO FLG		81
40	WAS	HRS FOR $\frac{3}{8}$ " BOLT				11
8	1 $\frac{1}{2}$ "	HEX NUT				21

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS
D. C. [Signature]
DATE TIME

DESIGN INFO	117-68	5-24-96
DESIGN INFO		3-25-96
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC.		
GIRDER - G4D		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO., BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT		
BR-BRF-038-1 (35) PIN 2672.00		
CONTRACTOR REED & REED, INC.		
IN CHARGE LAMCO (WC) BY S.J.R. DWG DATE 2-20-96		
CONTRACT NUMBER ME-95393-1 DRAWING NUMBER 38 OF 77		

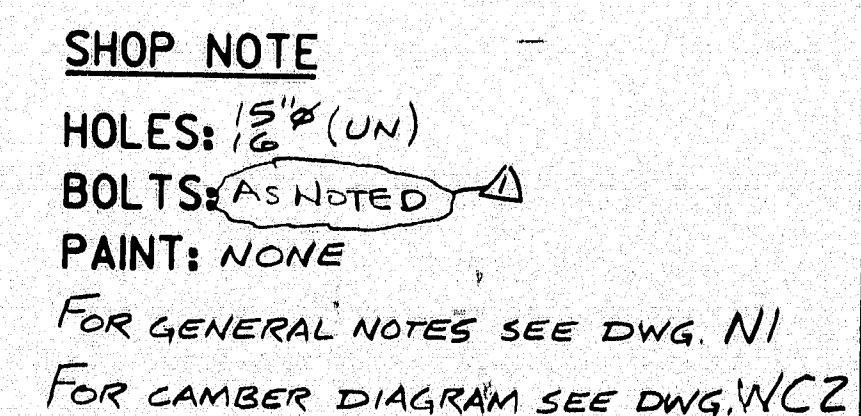


BILL OF MATERIAL									
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	QTY	UNIT	WEIGHT	LA.
ONE GSD GIRDER									
1	a	R-88x3/4	29' 11 3/8	(T)		1	15		
1	b	R-88x3/4	59' 5 3/8	(T)		1	9		
1	c	R-26x26	59' 6 3/8	(T)		3	10		
1	d	R-26x26	29' 10 3/8	(T)		3	19		
1	f	R-26x26	59' 6 3/8	(T)		3	10		
1	g	R-26x26	29' 10 3/8	(T)		3	19		
1	h	R-1" ROD	86' 8 3/4			7	18		
1	xlan	R-12x1 1/2	7' 3 3/8			7	2		
1	x2an	R-12x1 1/2	7' 3 3/8			7	2		
1	x3t	BAR-7 1/2x1 1/8	7' 2 3/8			7	5		
2	x4bm	BAR-7 1/2x1 1/8	7' 3 3/8			7	5		
1	x4bc	BAR-7 1/2x1 1/8	7' 2 3/8			7	5		
2	x5t	BAR-7 1/2x1 1/8	7' 4			7	5		
6	x5m	BAR-5x5/8	0' 9			7	10		
2	x5ac	BAR-8x8	0' 9			7	10		
2	x5y	5x5x5/8	0' 9			7	16		
2	x5aa	5x3 1/2x5/8	0' 6			7	17		
1	x5ab	WT 6x13	0' 8			1	11		
8	3/8"	H.S. BOLT	0' 2 1/2	H.P. CLIP WEB		8	4		
16	3/8"	H.S. BOLT	0' 4	3/8" R TO FLG.		8	8		
24		WASHERS FOR 3/8" BOLT				8	11		
4	3/8"	H.S. BOLT	0' 2 1/2	x5ab TO WEB		8	15		
4		WASHERS FOR 3/8" BOLT				8	18		
4	1"	HEX. NUT				8	21		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1995
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DESIGNER REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

DESIGN INFO	117-69	5-24-96
DESIGN INFO		3-25-96
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC.		
GIRDER - GSD		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO. BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT OR REF. NO.	BR-BRF-038-1 (35) PIN 2672.00	
CONTRACTOR	KEED & KEED, INC.	
IN CHARGE	LANCO (WC)	MADE BY SJR
CONTRACT NUMBER	ME-95393-1	DWG. DATE 2-28-96
		DRAWING NUMBER 39 OF 77

SHOP NOTE
HOLES: 1 1/2" (UN)
BOLTS: AS NOTED
PAINT: NONE
FOR GENERAL NOTES SEE DWG. N1
FOR CAMBER DIAGRAM SEE DWG. WC2



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1966

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

[Signature]
CHIEF ENGINEER

△			
△			
△	DESIGN INFO		5-24-96
NO.	REVISION		DATE

117-70

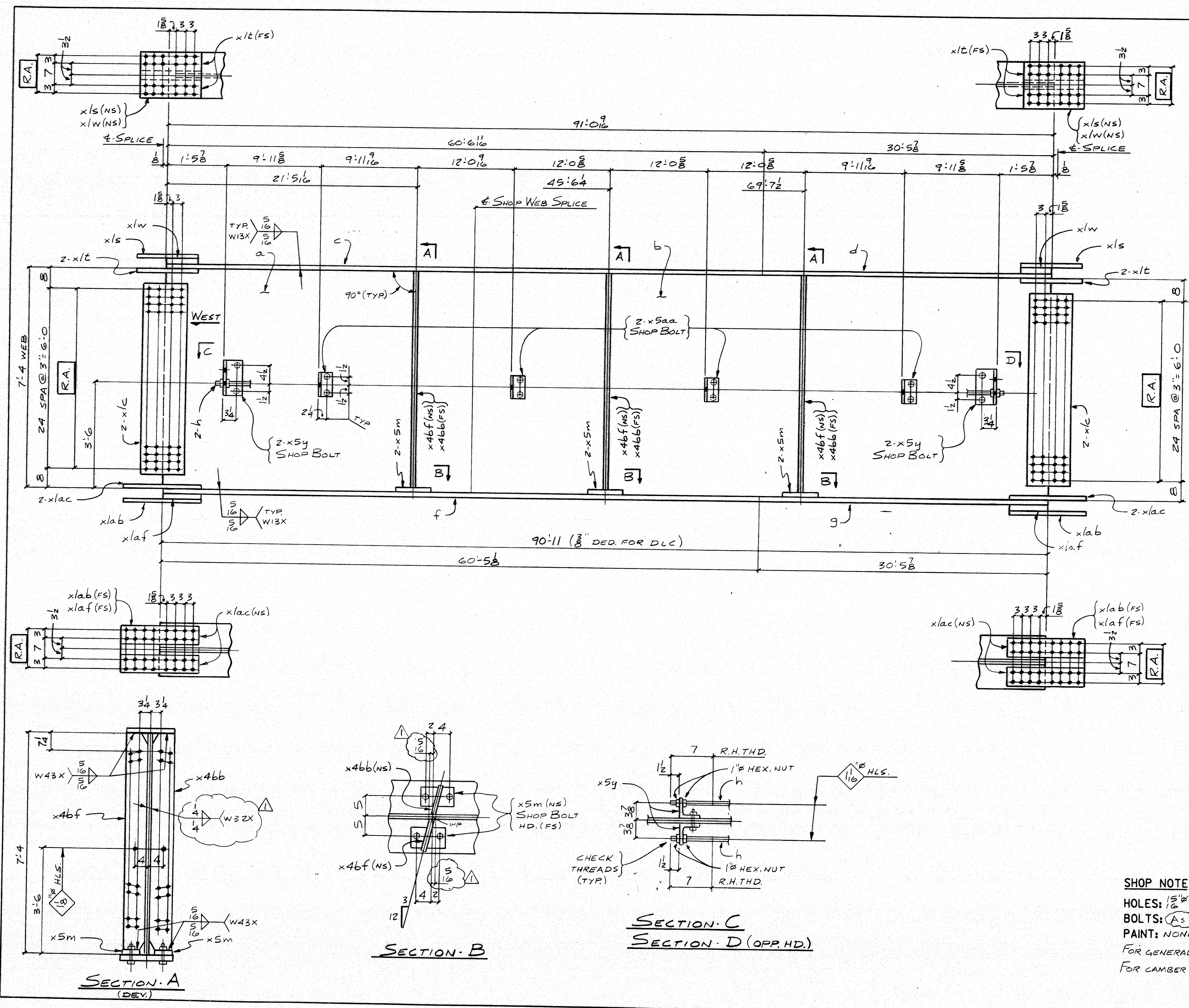
1770 Hempstead Road
Lancaster, PA 17605-0008
Phone 717/299-5281

HIGH STEEL STRUCTURES, INC.

A Division of High Industries, Inc.

GIRDER ~ G1E
PENOBSCOT RIVER BRIDGE
PENOBSCOT RIVER BRIDGE STA. 18+70
PENOBSCOT CO. BANGOR TO BREWER
STATE OF MAINE
DEPT. OF TRANSPORTATION
2 CONTRACT NO. BR GRF-C3B-1 (35) PIN 2672.00
ON REF. NO.
CONTRACTOR REED & KEED, INC.
IN CHARGE: LANCOS (WC) MADE BY: SJR CHK'D: DWG. DATE: 2-20-96
CONTRACT NUMBER: ME-95393-1
DRAWING NUMBER: 40 OF 77

NOV 25 1996



BILL OF MATERIAL									
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP. WEIGHT			
ONE G2E GIRDER									
1	a	R-28x3	30'5 7/8"	(T)	1	13			
1	b	R-28x3	60'6 11/16"	(T)	1	15			
1	c	R-16x1	60'6 11/16"	(T)	1	13			
1	d	R-16x1	30'5 7/8"	(T)	1	15			
1	f	R-18x14	60'5 7/8"	(T)	1	15			
1	g	R-18x14	30'5 7/8"	(T)	1	15			
2	h	1" ROD	88'3 3/4"	AB'T	2	18			
4	x/c	R-75x2	1'0 1/2"	(T)	4	9			
2	x/s	R-16x2	1'6 1/2"	(T)	2	11			
4	x/c	BAR-7x1	1'6 1/2"	(T)	4	7			
2	x/a	R-16x2	2'0 1/2"	(T)	2	6			
4	x/a	BAR-7x1	2'0 1/2"	(T)	4	4			
2	x/w	R-9x1/2	1'4		2	17			
2	x/a	R-12x2	1'4		2	18			
3	x/b	BAR-7x1	7'3 3/8"		3	8			
3	x/b	BAR-7x1	7'3 3/8"		3	8			
6	x/m	BAR-5x3/8	0'9		6	10			
4	x/y	5x5x3/8	0'9		4	16			
8	x/a	5x3/2x3/8	0'6		8	17			
12	8"	H.S. BOLT	0'2 3/8"	H.R. CLIPS, WEB	12	5			
12	8"	H.S. BOLT	0'3 3/8"	8" R. FLG.	12	7			
24		WASHERS FOR 8" BOLTS			24	11			
8	1"	HEX. NUT			8	21			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS
D. E. L. J.

117.71

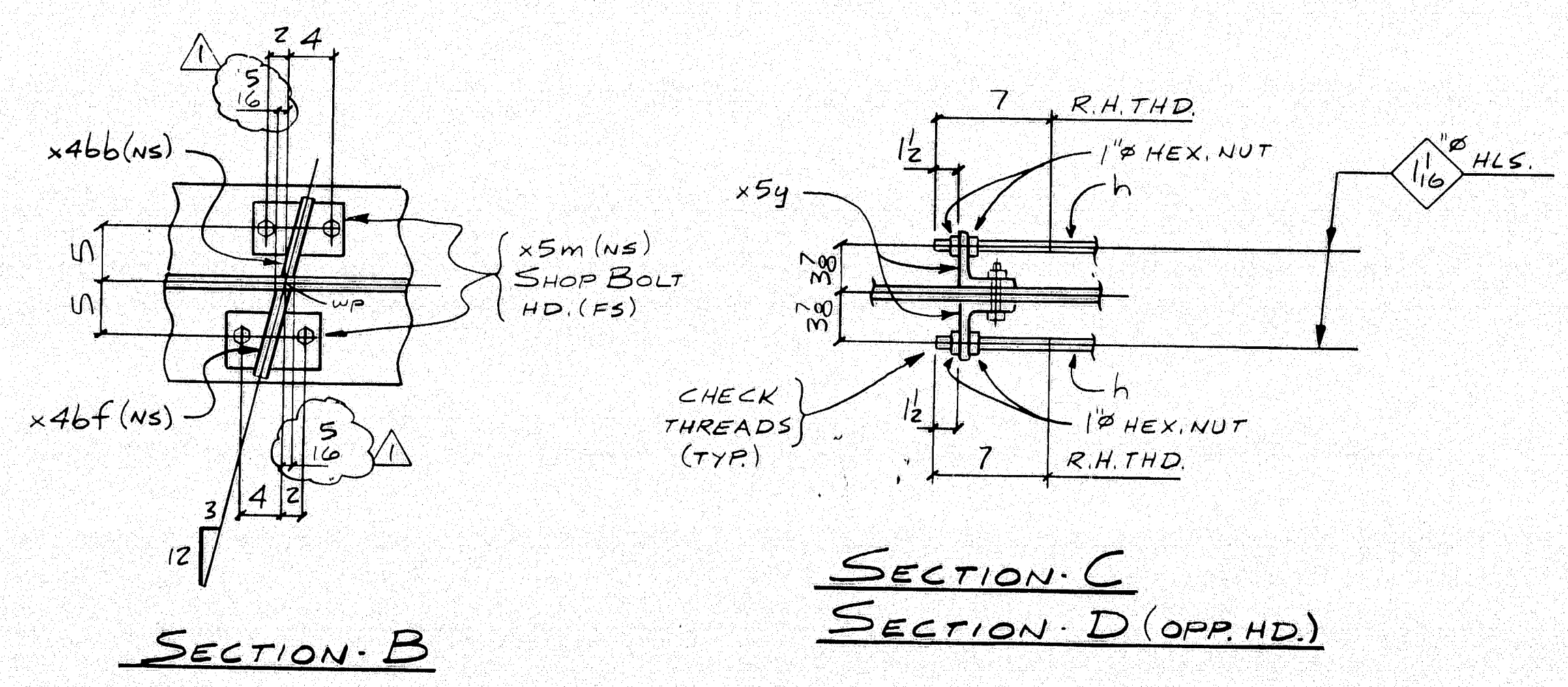
DESIGN INFO 5-24-96

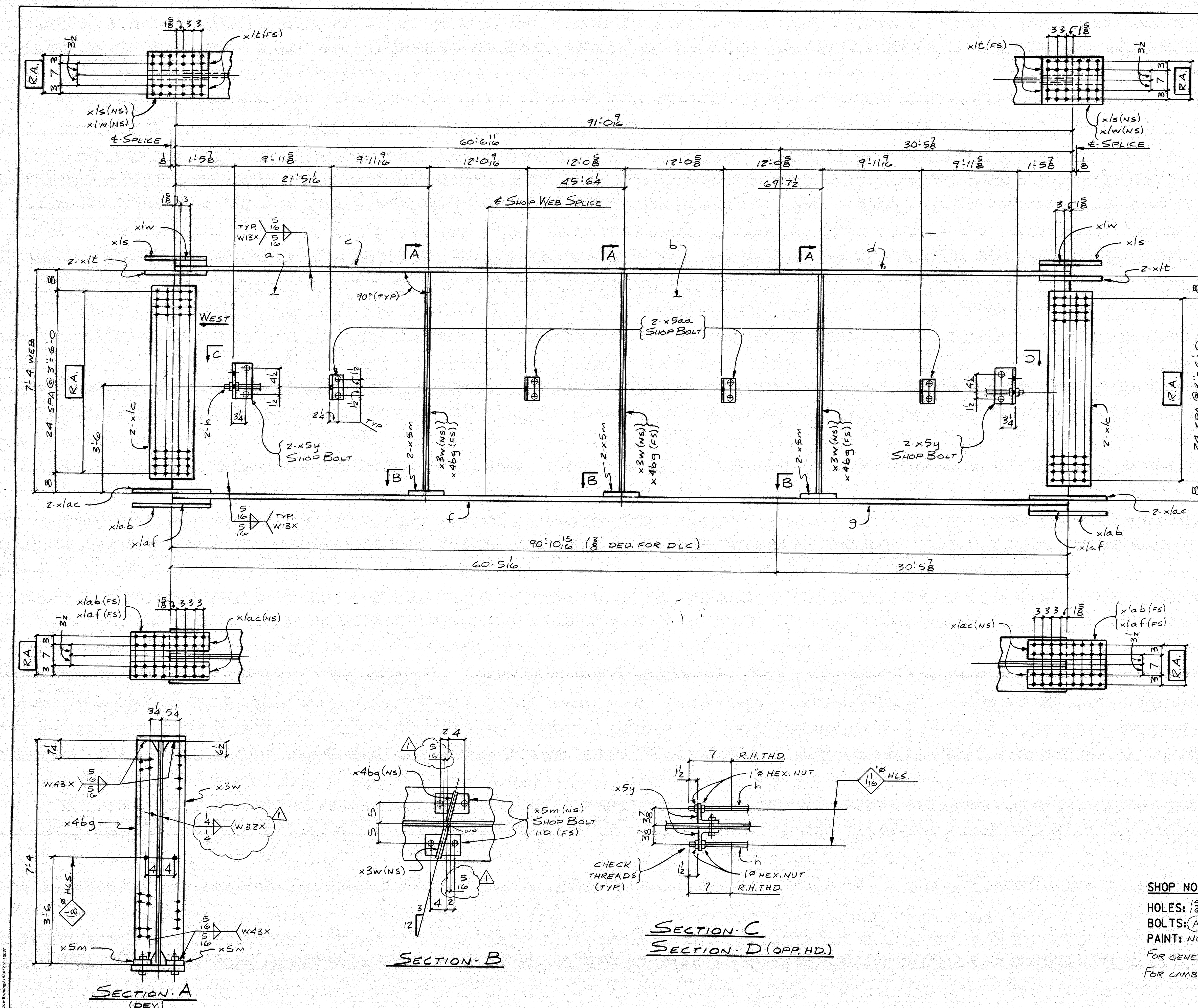
NO. REVISION DATE

HIGH STEEL STRUCTURES, INC. 1770 Hempstead Road
Lancaster, PA 17605-0008
Phone 717/299-5211
A Division of High Industrial, Inc.

GIRDER - G2E
PENOBSCOT RIVER BRIDGE
PENOBSCOT RIVER BRIDGE STA. 18+70
PENOBSCOT CO., BANGOR TO BREWER
STATE OF MAINE
DEPT. OF TRANSPORTATION
STATE CONTRACT OR REF. NO. BR-BRF-038-1 (35) PIN 2672.00
CONTRACTOR REED & REED, INC. MADE BY: DWG DATE: 2-26-96
IN CHARGE: LANGE (WC) BY: SUR
CONTRACT NUMBER: ME-95393-1 DRAWING NUMBER: 41 OF 77

SHOP NOTE
HOLES: 5/8" (UN)
BOLTS: A5 NOTED
PAINT: NONE
FOR GENERAL NOTES SEE DWG. N1
FOR CAMBER DIAGRAM SEE DWG. NC2





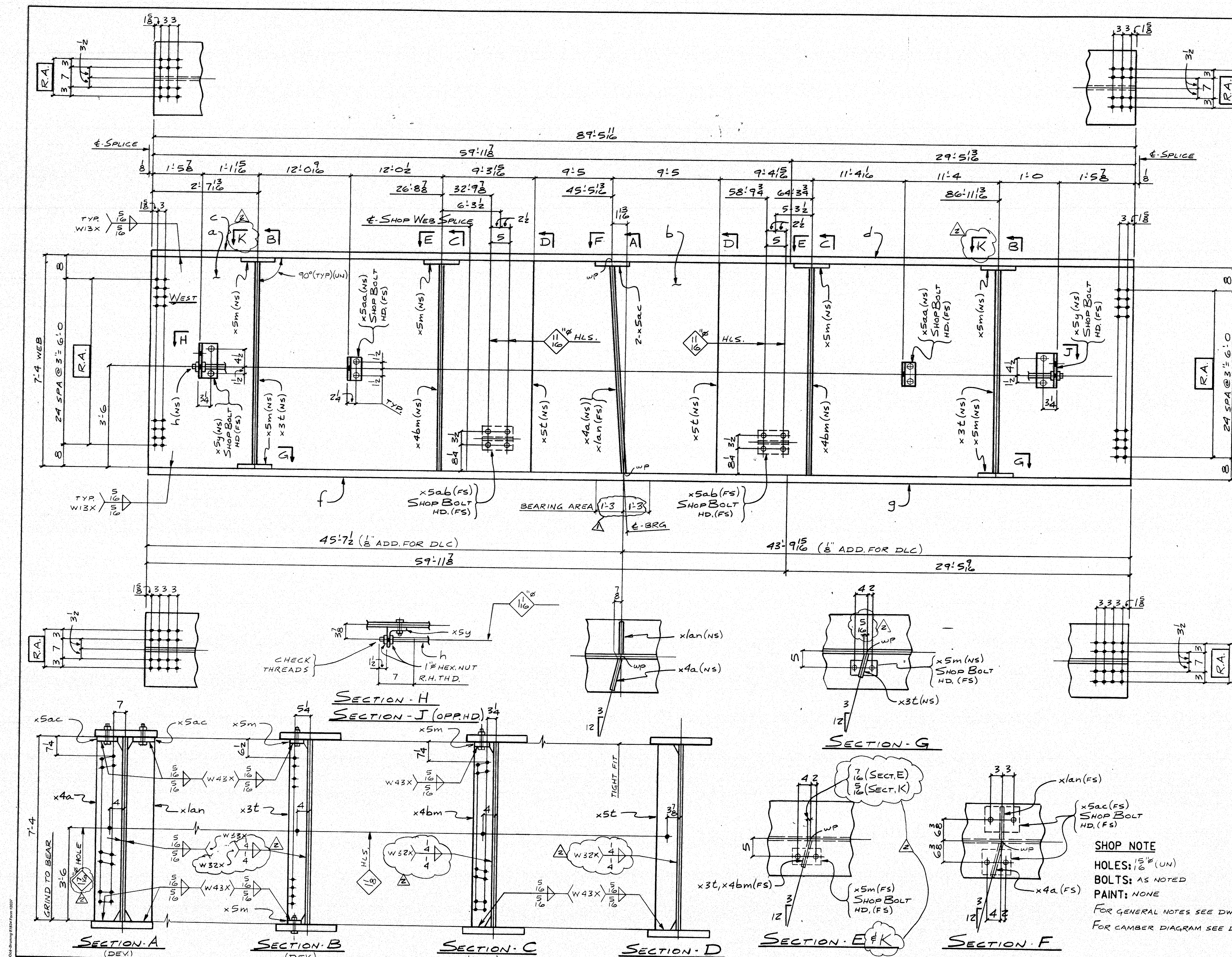
SHOP NOTE
 HOLES: 5/8" (UN)
 BOLTS: AS NOTED
 PAINT: NONE
 FOR GENERAL NOTES SEE DWG. N1
 FOR CAMBER DIAGRAM SEE DWG. WC2

BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	WEIGHT
ONE G3E GIRDER						24,985
1	a	R. 88x3/4	30' 5 1/2"	(T)	1/3	
1	b	R. 88x3/4	60' 6 1/2"	(T)	1/5	
1	c	R. 16x1	60' 6 1/2"	(T)	4/13	
1	d	R. 16x1	30' 5 1/2"	(T)	4/15	
1	f	R. 18x1 1/4	60' 5 1/2"	(T)	4/5	
1	g	R. 18x1 1/4	30' 5 1/2"	(T)	4/7	
2	h	1" ROD	88' 3 1/2"	ABT	7/18	
4	x/c	R. 75x1/2	1' 0 1/2"	(T)	6/9	
2	x/s	R. 16x1/2	1' 6 1/2"	(T)	6/11	
4	x/t	BAR 7x3/8	1' 6 1/2"	(T)	6/7	
2	x/lb	R. 16x5/8	2' 0 1/2"	(T)	6/6	
4	x/lc	BAR 7x1	2' 0 1/2"	(T)	6/4	
2	x/lw	R. 9 1/2x1 1/2	1' 4"		6/17	
2	x/laf	R. 12 1/2x1 1/2	1' 4"		6/18	
3	x3w	BAR 7 1/2x3/8	7' 3 3/8"		7/8	
3	x4bg	BAR 7 1/2x3/8	7' 3 3/8"		7/8	
6	x5m	BAR 5x5/8	0' 9"		7/10	
4	x5y	5x5x5/8	0' 9"		7/16	
8	x5aa	5x3 1/2x5/8	0' 6"		7/17	
12	1/2"	H.S. BOLT	0' 2 1/2"	H.R. CLIPS, WEB	8/15	
12	3/4"	H.S. BOLT	0' 3 1/2"	H.R. CLIPS, FLG.	8/17	
24		WASHERS FOR BOLT			8/11	
8	1"	HEX. NUT			8/21	

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
 NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
 DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
 OF STANDARD SPECIFICATIONS
 [Signature]
 [Signature]

117-72	
DESIGN INFO	S-24-96
NO.	REVISION
DATE	
HIGH STEEL STRUCTURES, INC.	
GIRDER - G3E	
PENOBSCOT RIVER BRIDGE	
PENOBSCOT RIVER BRIDGE STA. 18+70	
PENOBSCOT CO., BANGOR TO BREWER	
STATE OF MAINE	
DEPT. OF TRANSPORTATION	
STATE CONTRACT OR REF. NO. BR-BRF-038-1 (35) PIN 2672.00	
CONTRACTOR REED & REED, INC.	
IN CHARGE LAMCO (WC) MADE BY SJR	
CONTRACT NUMBER ME-95393-1	
DRAWING NUMBER 42 OF 77	

NOV 25 1996



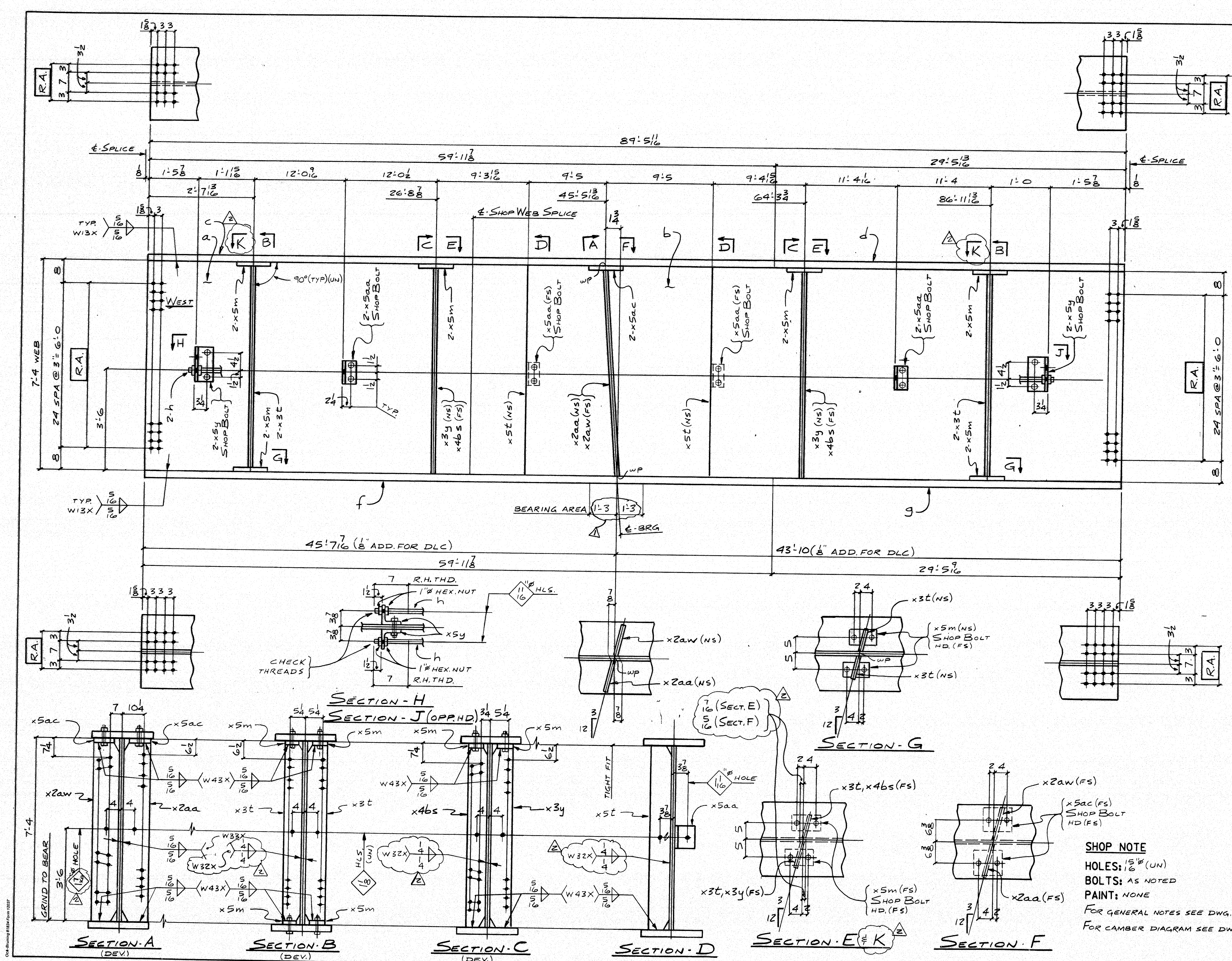
FED. ROAD DIST. NO.		STATE	FED. ROAD DIST. NO.
1		ME	BR-BRF-03B-1 (35)

BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	QTY.
ONE	GIF	GIRDER				1
1	a	R. 88x3/4	29' 11 1/2"	(T)		1
1	b	R. 88x3/4	59' 5 1/2"	(T)		1
1	c	R. 26x26	59' 11 1/2"	(T)		3
1	d	R. 26x26	29' 5 1/2"	(T)		3
1	e	R. 26x26	59' 11 1/2"	(T)		3
1	f	R. 26x26	29' 5 1/2"	(T)		3
1	g	R. 26x26	29' 5 1/2"	(T)		3
1	h	1" ROD	86' 9"	ABT		1
1	x1a	R. 12x1/2	7' 3 3/8"			7
1	x4a	R. 12x1/2	7' 3 3/8"			7
2	x3t	BAR-7/8x3/8	7' 2 3/4"			17
2	x4b	BAR-7/8x3/8	7' 3 3/8"			17
2	x5t	BAR-7/8x3/8	7' 4"			7
6	x5m	BAR-5x3/8	0' 9"			7
2	x5a	BAR-8x3/8	0' 9"			7
2	x5y	5x5x3/8	0' 9"			7
2	x5a	5x3 1/2x3/8	0' 6"			7
2	x5a	WT 6x13	0' 8"			9
8	3/8"	H.S. BOLT	0' 2 1/2"	H.R. CLIP, WEB		8
16	3/8"	H.S. BOLT	0' 4"	3/8" R. FLG.		8
24		WASHERS FOR 3/8" BOLT				8
8	3/8"	H.S. BOLT	0' 2 1/2"	WT G, WEB		8
8		WASHERS FOR 3/8" BOLT				8
4	1"	HEX. NUT				4

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
 NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
 DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
 OF STANDARD SPECIFICATIONS
 J. G. L. JR.
 DIVISION OF HIGH INDUSTRIES, INC.

DESIGN INFO	117-75	5-24-96
DESIGN INFO		3-25-96
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC.		
GIRDER - GIF		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO. BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT BR-BRF-03B-1 (35) PIN 2672.00		
CONTRACTOR REED & REED, INC.		
IN CHARGE: LANCE (WC) MADE BY: SJR CHK'D BY: DWG DATE: 2-21-96		
CONTRACT NUMBER: ME-95393-1 DRAWING NUMBER: 45 OF 77		

NOV 2 5 1996



FED. ROAD DIST. NO.		STATE		FED. AID PROJ. NO.	
1		ME		BR-88F-038-1 (35)	

BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP. WEIGHT LB.
ONE	G3F	GIRDER				\$6,584
1	a	R-88x $\frac{3}{4}$	29' 11 $\frac{1}{2}$ "	(r)	1	15
1	b	R-88x $\frac{3}{4}$	59' 5 $\frac{1}{2}$ "	(r)	1	19
1	c	R-26x26	59' 11 $\frac{1}{2}$ "	(r)	3	9
1	d	R-26x26	29' 5 $\frac{1}{2}$ "	(r)	3	20
1	f	R-26x26	59' 11 $\frac{1}{2}$ "	(r)	3	9
1	g	R-26x26	29' 5 $\frac{1}{2}$ "	(r)	3	20
2	h	1" ROD	86' 9"	ABT	7	18
8	1"	HEX. NUT			8	21
1	x2aa	R-12x1 $\frac{1}{2}$	7' 3 $\frac{1}{2}$ "		1	2
1	x2aw	R-12x1 $\frac{1}{2}$	7' 3 $\frac{1}{2}$ "		1	2
4	x3t	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7' 2 $\frac{3}{4}$ "		7	3
2	x3y	BAR-7 $\frac{1}{2}$ x $\frac{1}{16}$	7' 3 $\frac{3}{8}$ "		7	5
2	x4bs	BAR-7 $\frac{1}{2}$ x $\frac{1}{16}$	7' 3 $\frac{3}{8}$ "		7	5
2	x5t	BAR-7 $\frac{1}{2}$ x $\frac{11}{16}$	7' 4"		7	5
12	x5m	BAR-5x $\frac{5}{8}$	0' 9"		7	10
2	x5ac	BAR-8x $\frac{5}{8}$	0' 9"		7	10
4	x5y	5x5x $\frac{5}{8}$	0' 9"		7	16
6	x5aa	5x3 $\frac{1}{2}$ x $\frac{5}{8}$	0' 6"		7	17
4	$\frac{3}{4}$ "	H.S. BOLT	0' 2 $\frac{1}{2}$ "	1-H.R. CLIP, WEB	8	4
8	$\frac{3}{4}$ "	H.S. BOLT	0' 2 $\frac{1}{2}$ "	2-H.R. CLIP, WEB	8	5
28	$\frac{3}{4}$ "	H.S. BOLT	0' 4' 8"	R, FLG.	8	8
40		WASHERS FOR $\frac{3}{4}$ " BOLT			8	11

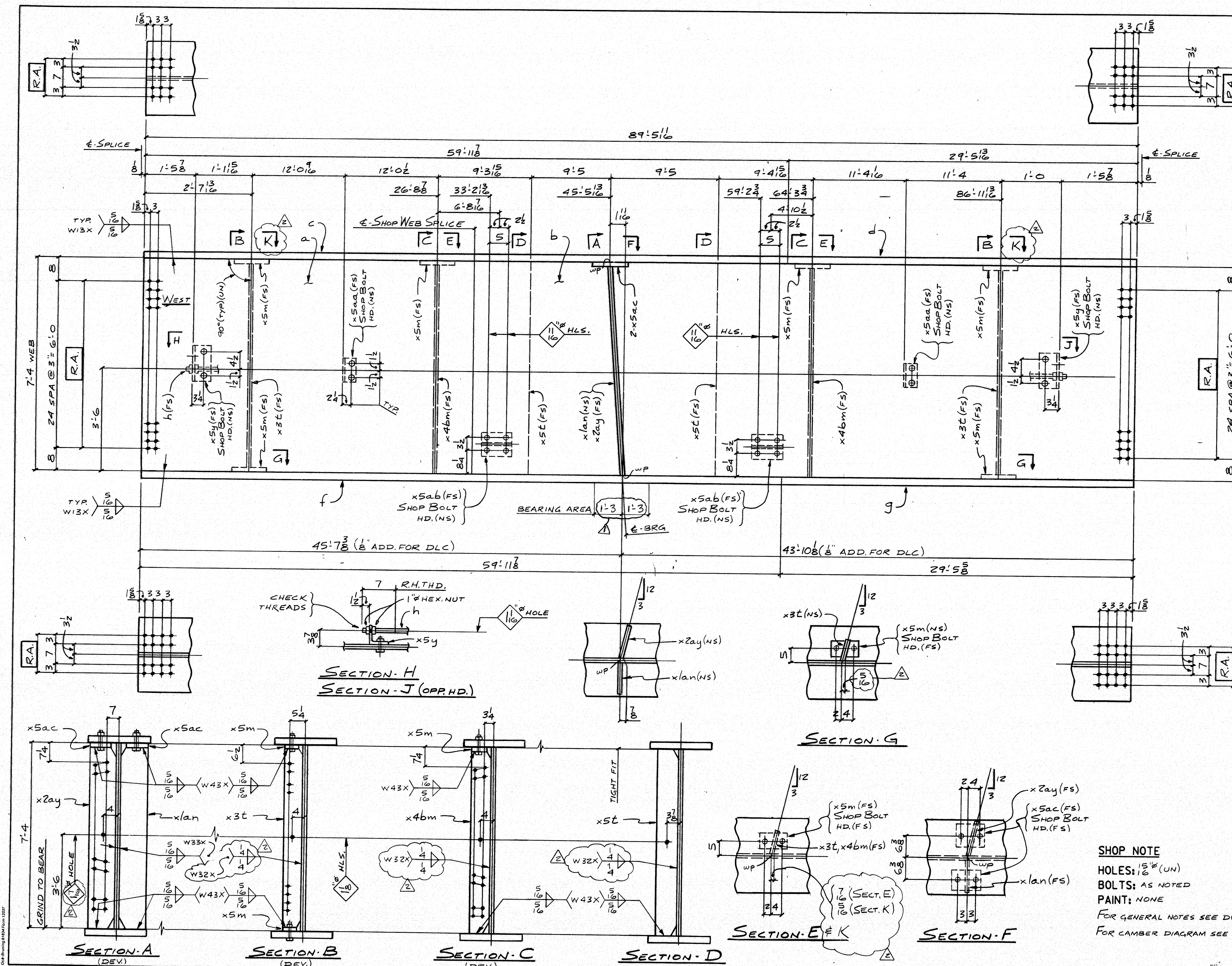
STATE OF MAINE DEPARTMENT OF TRANSPORTATION CONSTRUCTION DIVISION	
☒ NO EXCEPTIONS TAKEN	☐ EXCEPTIONS NOTED
NOV 27 1995	
☐ RETURNED FOR CORRECTIONS	☐ REJECTED
PROCUREMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS	
D. G. L. F. T. E.	

△		
△	DESIGN INFO	117-77
△	DESIGN INFO	5-24-96
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC.		
1770 Hempstead Road Lancaster, PA 17605-0008 Phone 717/299-5228		
A Division of High Industrial, Inc.		
GIRDER ~ G3F		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO. BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT OR REF. NO. BR-88F-038-1 (35) PIN 2672.00		
CONTRACTOR REED & REED, INC.		
IN CHARGE: LANCO (WC)	MADE BY: SJR	CHK'D BY: DWG
DATE: 2-21-96		
CONTRACT NUMBER: ME-95393-1	DRAWING NUMBER: 47	OF 77

SHOP NOTE
 HOLES: 1 5/16" (UN)
 BOLTS: AS NOTED
 PAINT: NONE
 FOR GENERAL NOTES SEE DWG. N1
 FOR CAMBER DIAGRAM SEE DWG. WC 2

CODE: 30

NOV 25 1996



FED. ROAD DISTRICT	STATE	FED. AID PROJ. NO.
1	ME	BR-BRF-03B-1 (35)

BILL OF MATERIAL					
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM
ONE	GSF	GIRDER			55775
1	a	R. 88x3	29' 11 1/2"	(r)	1/15
1	b	R. 88x3	59' 5 1/2"	(r)	1/9
1	c	R. 26x26	59' 11 1/2"	(r)	3/9
1	d	R. 26x26	29' 5 1/2"	(r)	3/20
1	f	R. 26x26	59' 11 1/2"	(r)	3/9
1	g	R. 26x26	29' 5 1/2"	(r)	3/20
1	h	1" ROD	86' 9"	ABT	7/18
1	x1a	R. 12x1 1/2	7' 3 3/8"		7/2
1	x2a	R. 12x1 1/2	7' 3 3/8"		7/2
2	x3t	BAR. 7 1/2 x 3/8	7' 2 3/4"		7/8
2	x4b	BAR. 7 1/2 x 1/2	7' 3 3/8"		7/5
2	x5t	BAR. 7 1/2 x 1 1/8	7' 4"		7/5
6	x5m	BAR. 5 x 5/8	0' 9"		7/10
2	x5a	BAR. 8 x 5/8	0' 9"		7/10
2	x5y	5 x 5 x 5/8	0' 9"		7/10
2	x5a	5 x 3 1/2 x 5/8	0' 6"		7/17
2	x5a	WT 6 x 13	0' 8"		9/11
4	1"	HEX. NUT			8/21
8	3/8"	H.S. BOLT	0' 2 1/2"	H.R. CLIP, WEB	8/4
16	3/8"	H.S. BOLT	0' 4"	3/8" R. FLG.	8/8
24		WASHERS FOR 3/8" BOLT			8/11
8	3/8"	H.S. BOLT	0' 2 1/2"	WT 6, WEB	8/15
8		WASHERS FOR 3/8" BOLT			8/18

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1995

☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

DESIGN INFO 117-79 5-24-96

DESIGN INFO 3-25-96

NO. REVISION DATE

HIGH STEEL STRUCTURES, INC.

1710 Hemlock Road
Lewiston, ME 04201
Phone 171/295-5201

GIRDER - GSF

PENOBSCOT RIVER BRIDGE

PENOBSCOT RIVER BRIDGE STA. 18+70

PENOBSCOT CO., BANGOR TO BREWER

STATE OF MAINE

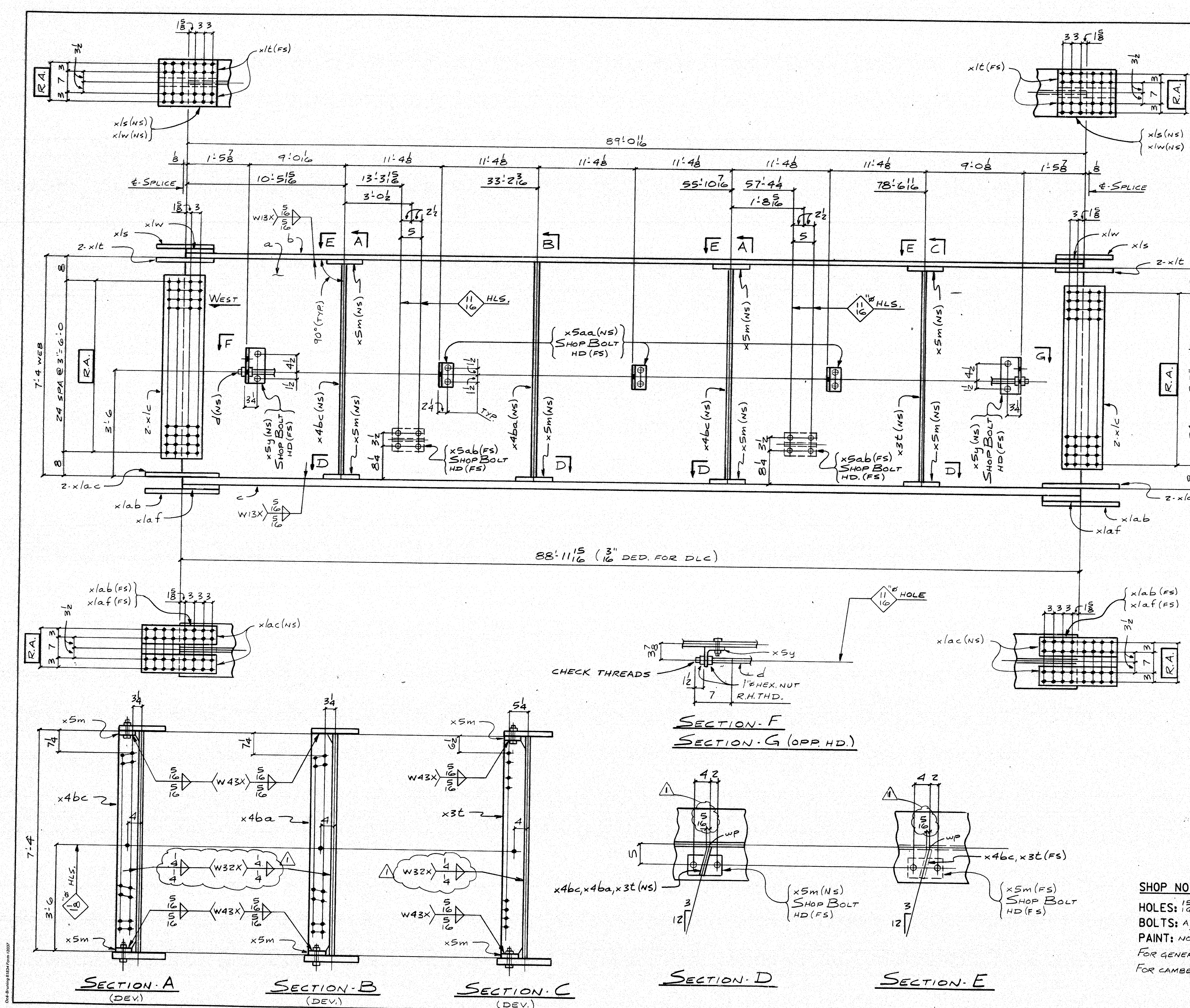
DEPT. OF TRANSPORTATION

STATE CONTRACT
OR REF. NO. BR-BRF-03B-1 (35) PIN 2672.00

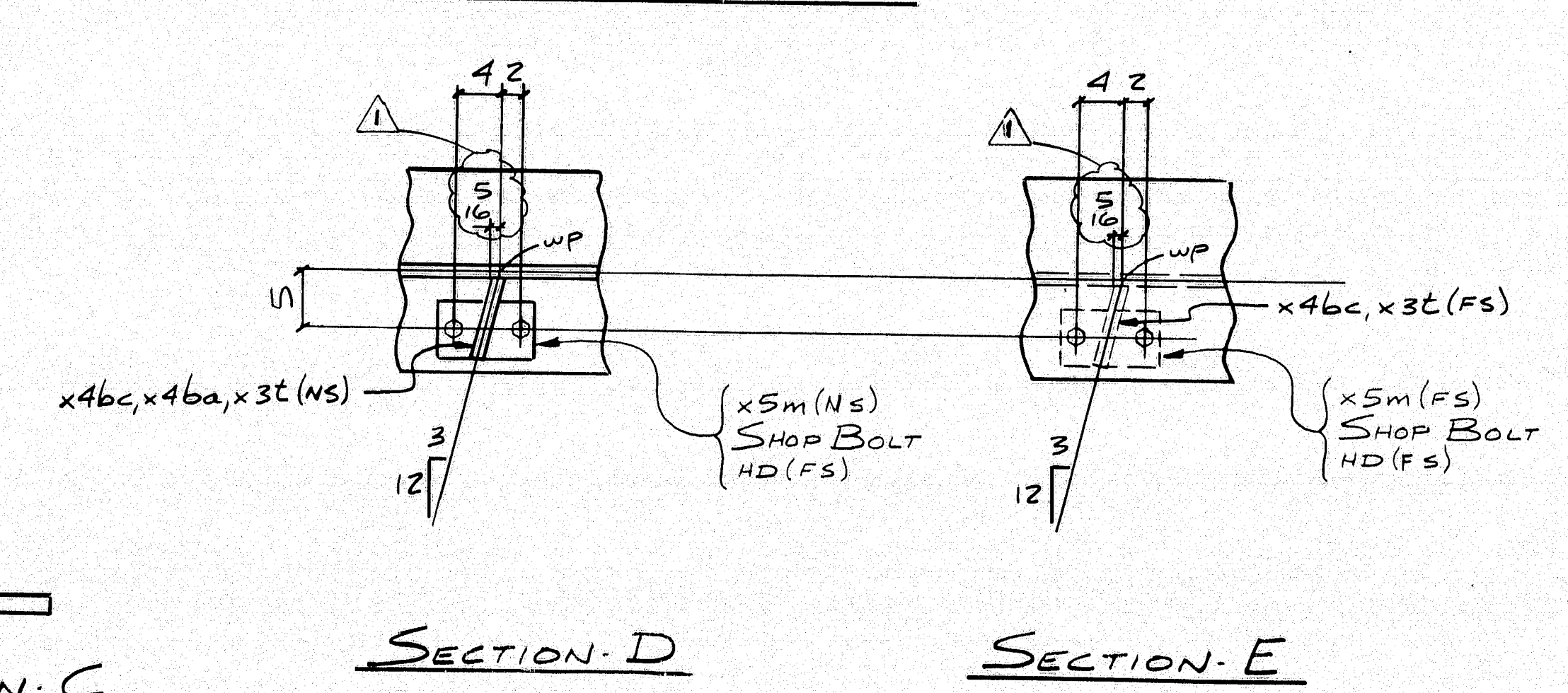
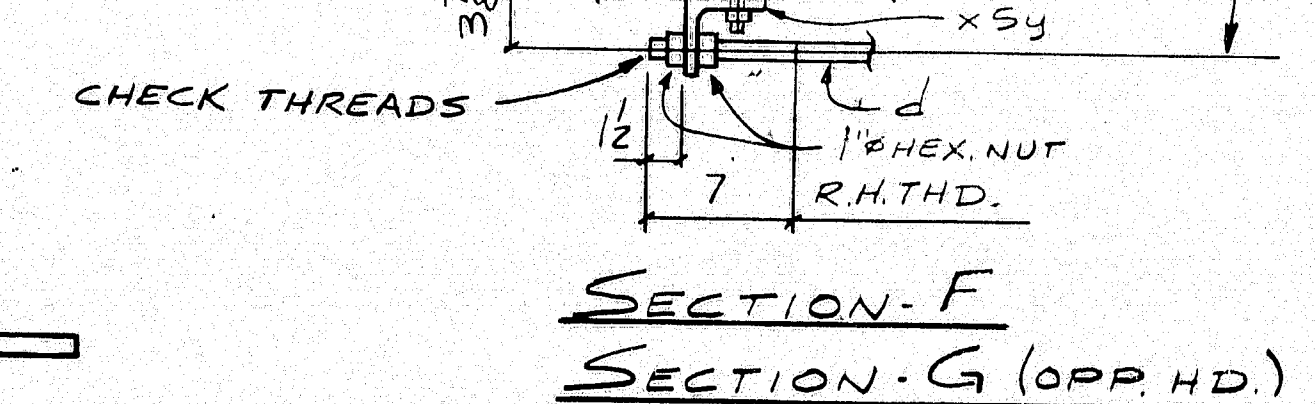
CONTRACTOR **REED & REED, INC.**

IN CHARGE **LANCO (WC)** MADE **SJR** CHK'D **DWG** DATE: 2-21-96

CONTRACT NUMBER **ME-95393-1** DRAWING NUMBER **49 OF 77**

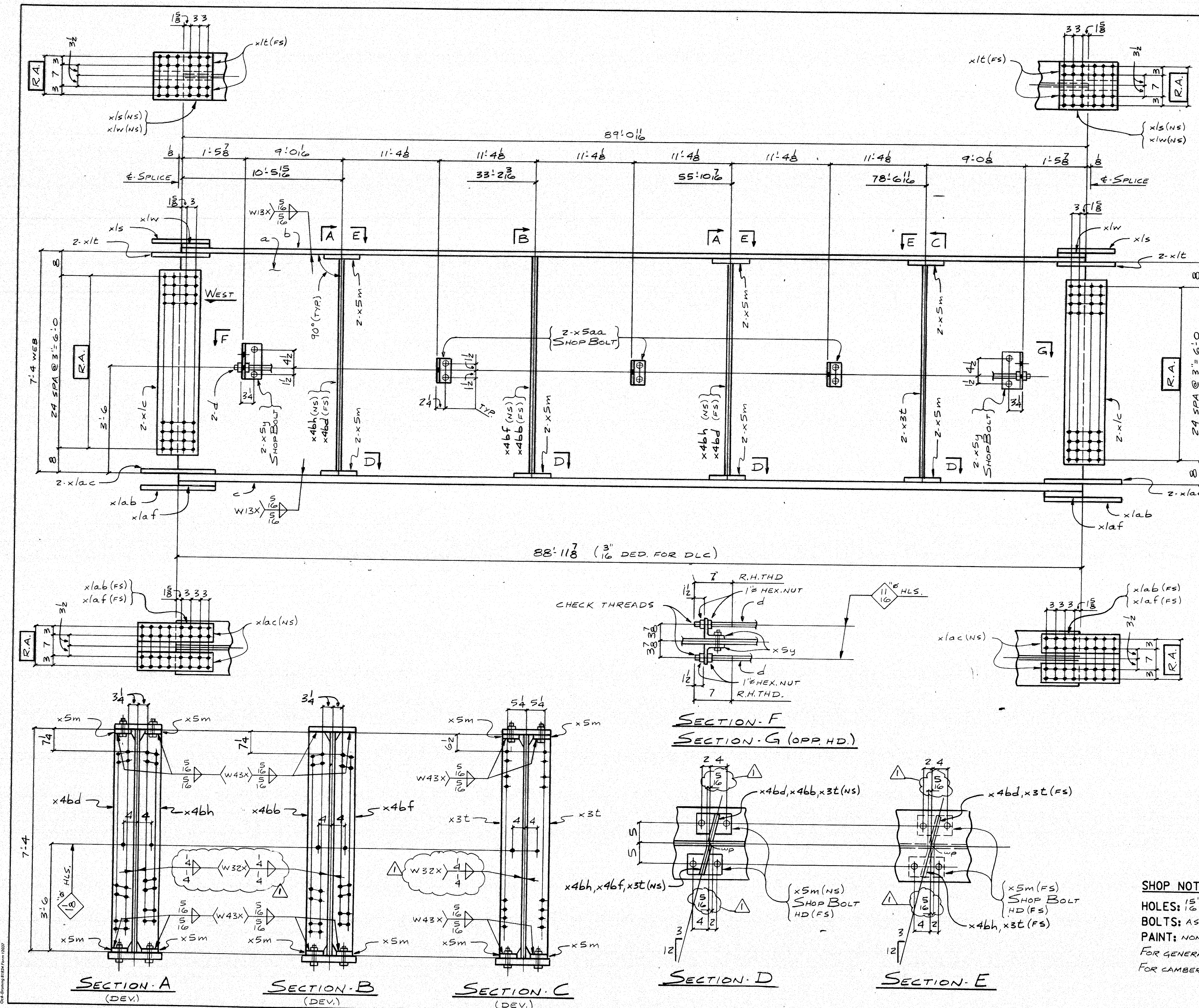


BILL OF MATERIAL									
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	QTY	UNIT	WEIGHT	EA.
ONE GIRDER									
1	a	R. 88x4	89'0 1/16	(T)		1		11	
1	b	R. 16x1	89'0 1/16	(T)		4		11	
1	c	R. 18x14	88'11 1/16	(T)		4		11	
1	d	1" ROD	86'4	ABT		7		18	
4	x1c	R. 75x2	1'0 1/2	(T)		6		9	
2	x1s	R. 16x2	1'6 1/2	(T)		6		11	
4	x1t	BAR-7x8	1'6 1/2	(T)		6		7	
2	x1ab	R. 16x8	2'0 1/2	(T)		6		6	
4	x1ac	BAR-7x1	2'0 1/2	(T)		6		4	
2	x1w	R. 9x1 1/2	1'4			6		17	
2	x1af	R. 12x6	1'4			6		18	
1	x3t	BAR-7 1/2x4	7'2 3/4			7		8	
1	x4ba	BAR-7 1/2x8	7'3 3/8			7		8	
2	x4bc	BAR-7 1/2x8	7'2 3/4			7		8	
7	x5m	BAR-5x8	0'9			7		10	
2	x5y	5x5x8	0'9			7		16	
3	x5aa	5x3 1/2x8	0'6			7		17	
2	x5ab	WT 6x13	0'8			9		11	
10	3/8"	H.S. BOLT	0'2 1/2	H.R. CLIP, WEB		81		4	
6	3/8"	H.S. BOLT	0'3	8" R. TOP FLG.		81		6	
8	3/8"	H.S. BOLT	0'3 1/4	8" R. BOT. FLG.		81		7	
24		WASHERS FOR 3/8" BOLT				81		11	
8	3/8"	H.S. BOLT	0'24	WTG, WEB		81		15	
8		WASHERS FOR 3/8" BOLT				81		18	
4	1"	HEX. NUT				81		21	



SHOP NOTE
 HOLES: 1 1/2" (UN)
 BOLTS: AS NOTED
 PAINT: NONE
 FOR GENERAL NOTES SEE DWG. N1
 FOR CAMBER DIAGRAM SEE DWG. WC1

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
 NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
 DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
 STANDARD SPECIFICATIONS
 117-80
 DESIGN INFO
 NO. REVISION DATE
 5-24-96
 HIGH STEEL STRUCTURES, INC.
 1710 Hempstead Road
 Lancaster, PA 17605-0008
 Phone 717/299-5276
 A Division of High Industrial Inc.
 GIRDER - GIG
 PENOBSCOT RIVER BRIDGE
 PENOBSCOT RIVER BRIDGE STA. 18+70
 PENOBSCOT CO., BANGOR TO BREWER
 STATE OF MAINE
 DEPT. OF TRANSPORTATION
 STATE CONTRACT
 OR REF. NO. BR-BRF-038-1 (35) PIN 2672.00
 CONTRACTOR REED & REED, INC.
 IN CHARGE LANC (WE) MADE SUR CHKD. BY: SUR DWG. DATE: 2-22-96
 CONTRACT NUMBER ME-95393-1 DRAWING NUMBER 50 OF 77

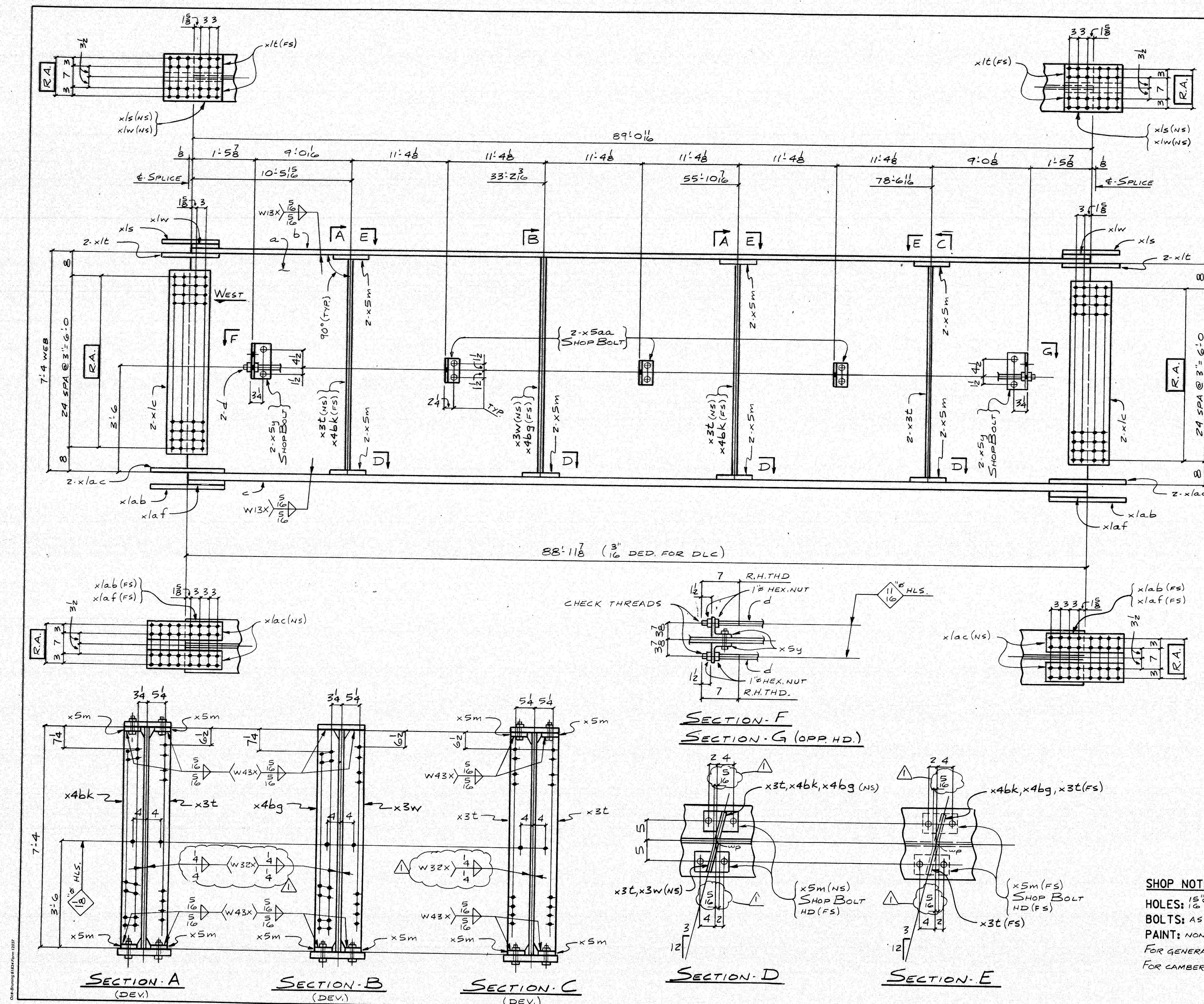


SHOP NOTE
 HOLES: 15/16" (UN)
 BOLTS: AS NOTED
 PAINT: NONE
 FOR GENERAL NOTES SEE DWG. N1
 FOR CAMBER DIAGRAM SEE DWG. WC1

BILL OF MATERIAL					
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM
ONE	G2G	GIRDER			34,590
1	a	R-88x3	89' 0 1/2" (T)		1 1/11
1	b	R-16x1	89' 0 1/2" (T)		4 1/11
1	c	R-18x14	88' 11 1/8" (T)		4 1/4
2	d	1" ROD	86' 4"	ABT	7 1/8
4	x/c	R-75x1/2	1' 0 1/2" (T)		6 1/9
2	x/s	R-16x1/2	1' 0 1/2" (T)		6 1/11
4	x/c	BAR-7x3/8	1' 0 1/2" (T)		6 1/7
2	x/lac	R-16x1/8	2' 0 1/2" (T)		6 1/6
4	x/lac	BAR-7x1	2' 0 1/2" (T)		6 1/4
2	x/lw	R-9 1/2x1/8	1' 4"		6 1/7
2	x/laf	R-12 1/2x1/8	1' 4"		6 1/8
2	x/3t	BAR-7 1/2x3/8	7' 2 3/4"		7 1/8
1	x/4bb		7' 3 3/8"		7 1/8
2	x/4bd		7' 2 3/8"		7 1/8
1	x/4bf		7' 3 3/8"		7 1/8
2	x/4bh	BAR-7 1/2x3/8	7' 2 3/4"		7 1/8
14	x/5m	BAR-5x3/8	0' 9"		7 1/10
4	x/5y	5x5x3/8	0' 9"		7 1/16
6	x/5aa	5x3 1/2x3/8	0' 6"		7 1/17
10	1/2"	H.S. BOLT	0' 2 3/4"	2 H.R. CLIPS, WEB	8 1/5
12	3/4"	H.S. BOLT	0' 3"	5" R. TOP FLG.	8 1/6
16	1/2"	H.S. BOLT	0' 3 1/4"	5" R. BOT. FLG.	8 1/7
38		WASHERS FOR 1/2" BOLT			8 1/11
8	1"	HEX. NUT			8 1/21

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
 NOV 27 1985
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
 PROVISION REVIEWED IN ACCORDANCE WITH SECTION 105
 OF STANDARD SPECIFICATIONS
 J. D. GILMAN

117-81	
DESIGN INFO	5-24-96
NO.	REVISION
DATE	
HIGH STEEL STRUCTURES, INC.	
1770 Hempstead Road Lancaster, PA 17605-0008 Phone 717/295-5201	
A Division of High Industries, Inc.	
GIRDER - G2G	
PENOBSCOT RIVER BRIDGE	
PENOBSCOT RIVER BRIDGE STA. 18+70	
PENOBSCOT CO., BANGOR TO BREWER	
STATE OF MAINE	
DEPT. OF TRANSPORTATION	
STATE CONTRACT NO. BR-BRF-038-1(35) PIN 2672.00	
CONTRACTOR REED & REED, INC.	
IN CHARGE LAMCO (WC) MADE BY SJR CHK'D BY DWG DATE 2-22-96	
CONTRACT NUMBER ME-95393-1 DRAWING NUMBER 51 OF 77	



FED. ROAD DIV. NO.		STATE		FED. AID PROJ. NO.	
1		ME		BR-BRF-038-1 (35)	

BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP WEIGHT EX.
ONE	G3G	GIRDER				34.5
1	a	R. 88 x $\frac{3}{4}$	89' 0 $\frac{1}{2}$ " (T)		1	11
1	b	R. 16 x 1	89' 0 $\frac{1}{2}$ " (T)		4	11
1	c	R. 18 x $1\frac{1}{4}$	88' 11 $\frac{1}{2}$ " (T)		4	4
2	d	1" ROD	86' 4"	ABT	7	18
4	x1c	R. 75 x $\frac{1}{2}$	1' 0 $\frac{1}{2}$ " (T)		6	9
2	x1s	R. 16 x $\frac{1}{2}$	1' 6 $\frac{1}{2}$ " (T)		6	11
4	x1c	BAR-7 x $\frac{3}{8}$	1' 6 $\frac{1}{2}$ " (T)		6	7
2	x1ab	R. 16 x $\frac{3}{8}$	2' 0 $\frac{1}{2}$ " (T)		6	6
4	x1ac	BAR-7 x 1	2' 0 $\frac{1}{2}$ " (T)		6	4
2	x1w	R. 7 $\frac{1}{2}$ x $1\frac{1}{8}$	1' 4"		6	17
2	x1af	R. 12 $\frac{1}{2}$ x $\frac{3}{8}$	1' 4"		6	18
4	x3t	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7' 2 $\frac{3}{8}$ "		7	8
1	x3w		7' 3 $\frac{3}{8}$ "		7	8
1	x4bg		7' 3 $\frac{3}{8}$ "		7	8
2	x4bk	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7' 2 $\frac{3}{8}$ "		7	8
14	x5m	BAR-5 x $\frac{5}{8}$	0' 9"		7	10
4	x5y	$\frac{5}{8}$ 5 x 5 x $\frac{5}{8}$	0' 9"		7	16
6	x5aa	$\frac{5}{8}$ 5 x 3 $\frac{1}{2}$ x $\frac{5}{8}$	0' 6"		7	17
10	7" $\frac{3}{8}$	H.S. BOLT	0' 2 $\frac{3}{4}$ "	2 H.R. CLIPS, WEB	8	15
12	8" $\frac{3}{8}$	H.S. BOLT	0' 3"	8" R. TOP FLG.	8	16
10	8" $\frac{3}{8}$	H.S. BOLT	0' 3 $\frac{1}{4}$ "	8" R. BOT. FLG.	8	17
38		WASHERS FOR 7" BOLT			8	11
8	1" $\frac{1}{2}$	HEX. NUT			8	21

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
 OF STANDARD SPECIFICATIONS

DATE: 11/27/96

117-81

DESIGN INFO 5-24-96

NO. REVISION DATE

HIGH STEEL STRUCTURES, INC.

1770 Hempstead Road
 Lancaster, PA 17605-0008
 Phone 717/299-5291

A Division of High Industries, Inc.

GIRDER - G3G

PENOBSCOT RIVER BRIDGE

PENOBSCOT RIVER BRIDGE STA. 18+70

PENOBSCOT CO., BANGOR TO BREWER

STATE OF MAINE

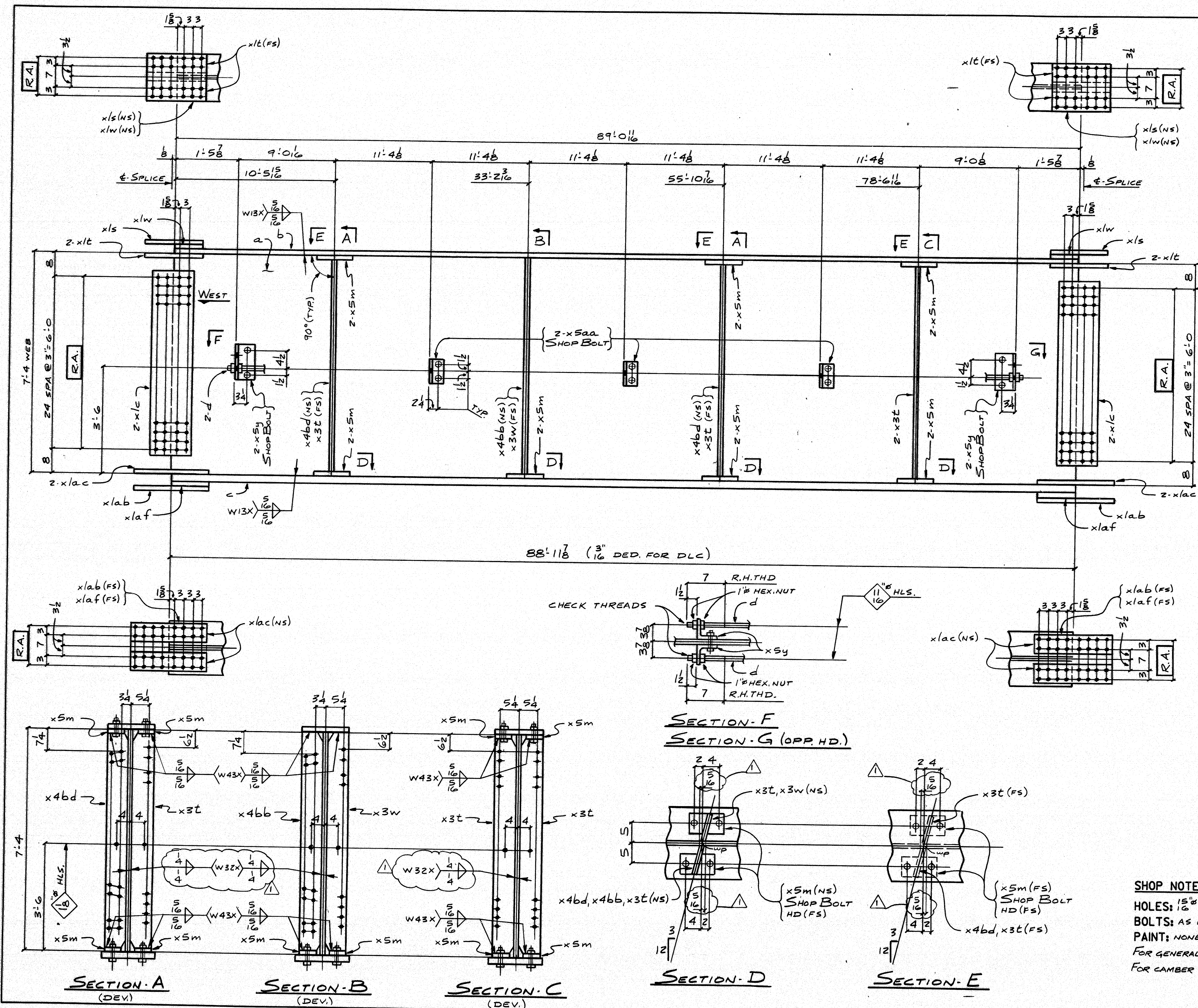
DEPT. OF TRANSPORTATION

STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00

CONTRACTOR REED & REED, INC.

IN CHARGE LANC (WC) MADE BY SJR DWG DATE: 11-22-96

CONTRACT NUMBER ME-95393-1 DRAWING NUMBER 52 OF 77



FED. ROAD DIV. NO.		STATE	FED. ROAD PROJ. NO.			
1		ME	BR-BRF-038-1 (35)			
BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SUB- WOULD E.A.
ONE	G4G	GIRDER				34,570
1	a	R. 88x $\frac{3}{4}$	89 0 $\frac{1}{2}$ (T)		1 7	
1	b	R. 16x1	89 0 $\frac{1}{2}$ (T)		4 11	
1	c	R. 18x1 $\frac{1}{4}$	88 11 $\frac{1}{2}$ (T)		4 4	
2	d	1" ROD	86 4	ABT	7 18	
4	x/c	R. 75x $\frac{1}{2}$	1 0 $\frac{1}{2}$ (T)		6 9	
2	x/s	R. 16x $\frac{1}{2}$	1 6 $\frac{1}{2}$ (T)		6 11	
4	x/c	BAR-7x $\frac{3}{8}$	1 6 $\frac{1}{2}$ (T)		6 7	
2	x/lab	R. 16x $\frac{3}{8}$	2 0 $\frac{1}{2}$ (T)		6 6	
4	x/ac	BAR-7x1	2 0 $\frac{1}{2}$ (T)		6 4	
2	x/w	R. 9 $\frac{1}{2}$ x1 $\frac{1}{2}$	1 4		6 17	
2	x/af	R. 12 $\frac{1}{2}$ x $\frac{3}{8}$	1 4		6 18	
4	x3c	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7 2 $\frac{3}{4}$		7 8	
1	x3w		7 3 $\frac{1}{2}$		7 8	
1	x4bb		7 3 $\frac{1}{2}$		7 8	
2	x4bd	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7 2 $\frac{3}{4}$		7 8	
14	x5m	BAR-5x $\frac{5}{8}$	0 9		7 10	
4	x5y	5x5x $\frac{3}{8}$	0 9		7 16	
6	x5aa	5x3 $\frac{1}{2}$ x $\frac{5}{8}$	0 6		7 17	
10	$\frac{7}{8}$ "	H.S. BOLT	0 2 $\frac{3}{4}$	Z.H.R. CLIPS, WEB	8 15	
12	$\frac{7}{8}$ "	H.S. BOLT	0 3	$\frac{5}{8}$ " R. TOP FLG.	8 16	
16	$\frac{7}{8}$ "	H.S. BOLT	0 3 $\frac{1}{4}$	$\frac{5}{8}$ " R. BOT. FLG.	8 17	
38		WASHERS FOR $\frac{7}{8}$ " BOLT			8 11	
8	1"	HEX. NUT			8 21	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

117-83

DESIGN INFO 5-24-96

NO. REVISION DATE

HIGH STEEL STRUCTURES, INC. 1770 Housatonic Road
Lancaster, PA 17606-0008
Phone 717/299-5211

GIRDER ~ G4G

PENOBSCOT RIVER BRIDGE

PENOBSCOT RIVER BRIDGE STA. 18+70

PENOBSCOT CO., BANGOR TO BREWER

STATE OF MAINE

DEPT. OF TRANSPORTATION

STATE CONTRACT OR REF. NO. BR-BRF-038-1 (35) FIN 2672.00

CONTRACTOR REED & REED, INC.

IN CHARGE LANGE (WC) MADE BY SJR CHK'D BY DWG DATE 2-22-96

CONTRACT NUMBER ME-95393-1 DRAWING NUMBER 53 OF 77

SHOP NOTE

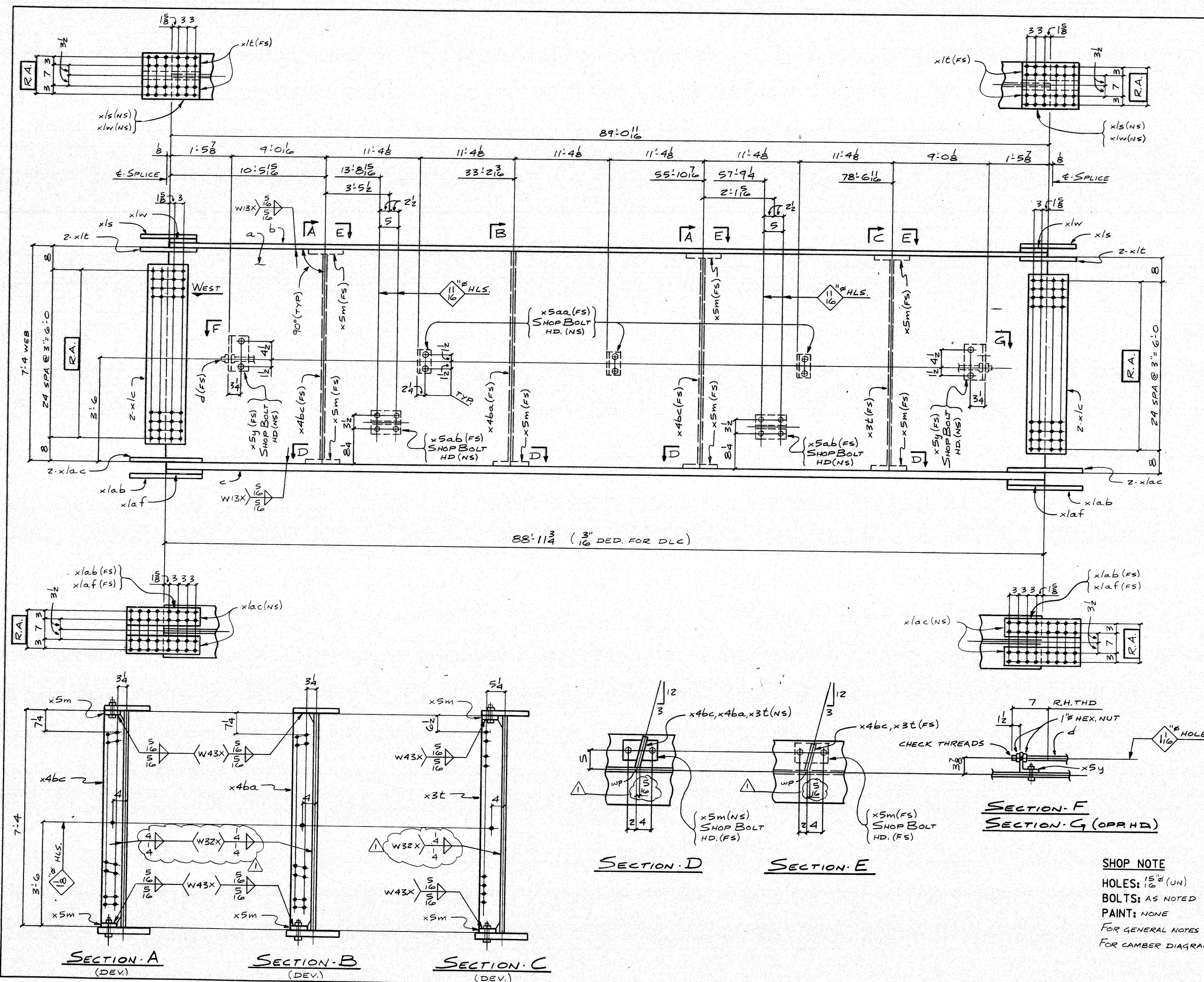
HOLES: 15" (UN)

BOLTS: AS NOTED

PAINT: NONE

FOR GENERAL NOTES SEE DWG. N1

FOR CAMBER DIAGRAM SEE DWG. WC1



FED. ROAD DIST. NO.		STATE	FED. ROAD DIST. NO.			
1		ME	BR-BRF-038- (35)			
BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP WEIGHT LB.
ONE GSG GIRDER						35,77
1	a	R. 28 x $\frac{3}{4}$	89' 0 $\frac{1}{2}$ "	(T)	17	
1	b	R. 16 x 1	89' 0 $\frac{1}{2}$ "	(T)	41	
1	c	R. 18 x $1\frac{1}{4}$	88' 11 $\frac{3}{4}$ "	(T)	44	
1	d	1" ROD	86' 4"	ABT	718	
4	x/c	R. 75 x $\frac{1}{2}$	1' 0 $\frac{1}{2}$ "	(T)	69	
2	x/s	R. 16 x $\frac{1}{2}$	1' 6 $\frac{1}{2}$ "	(T)	61	
4	x/l	BAR-7 x $\frac{3}{8}$	1' 6 $\frac{1}{2}$ "	(T)	67	
2	x/lab	R. 16 x $\frac{3}{8}$	2' 0 $\frac{1}{2}$ "	(T)	66	
4	x/lac	BAR-7 x 1	2' 0 $\frac{1}{2}$ "	(T)	64	
2	x/lw	R. 7 $\frac{1}{2}$ x $1\frac{1}{2}$	1' 4"		67	
2	x/laf	R. 12 $\frac{1}{2}$ x $\frac{7}{8}$	1' 4"		618	
1	x3t	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7' 2 $\frac{3}{8}$ "		78	
1	x4ba	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7' 3 $\frac{3}{8}$ "		78	
2	x4bc	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7' 2 $\frac{3}{8}$ "		78	
7	x5m	BAR-5 x $\frac{3}{8}$	0' 9"		710	
2	x5y	$\frac{5}{8}$ 5 x 5 x $\frac{3}{8}$	0' 9"		716	
3	x5aa	$\frac{5}{8}$ 5 x 3 $\frac{1}{2}$ x $\frac{3}{8}$	0' 6"		717	
2	x5ab	WT 6 x 13	0' 8"		911	
10	$\frac{7}{8}$ "	H.S. BOLT	0' 2 $\frac{1}{2}$ "	H.R. CLIP, WEB	314	
6	$\frac{7}{8}$ "	H.S. BOLT	0' 3' $\frac{5}{8}$ "	R., TOP FLG.	816	
8	$\frac{7}{8}$ "	H.S. BOLT	0' 3' $\frac{5}{8}$ "	R., BOT. FLG.	817	
24		WASHERS FOR $\frac{7}{8}$ " BOLT			811	
8	$\frac{5}{8}$ "	H.S. BOLT	0' 2 $\frac{1}{4}$ "	WTG. WEB	315	
8		WASHERS FOR $\frac{5}{8}$ " BOLT			818	
4	1"	HEX. NUT			811	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

☐ DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS

117-84

DESIGN INFO 5-24-96

NO. REVISION DATE

HIGH STEEL STRUCTURES, INC.

1770 Hampden Road
Lancaster, PA 17605-0008
Phone 717/299-5211

A Division of High Industries, Inc.

GIRDER - GSG

PENOBSCOT RIVER BRIDGE

PENOBSCOT RIVER BRIDGE STA. 18+70

PENOBSCOT CO., BANGOR TO BREWER

STATE OF MAINE

DEPT. OF TRANSPORTATION

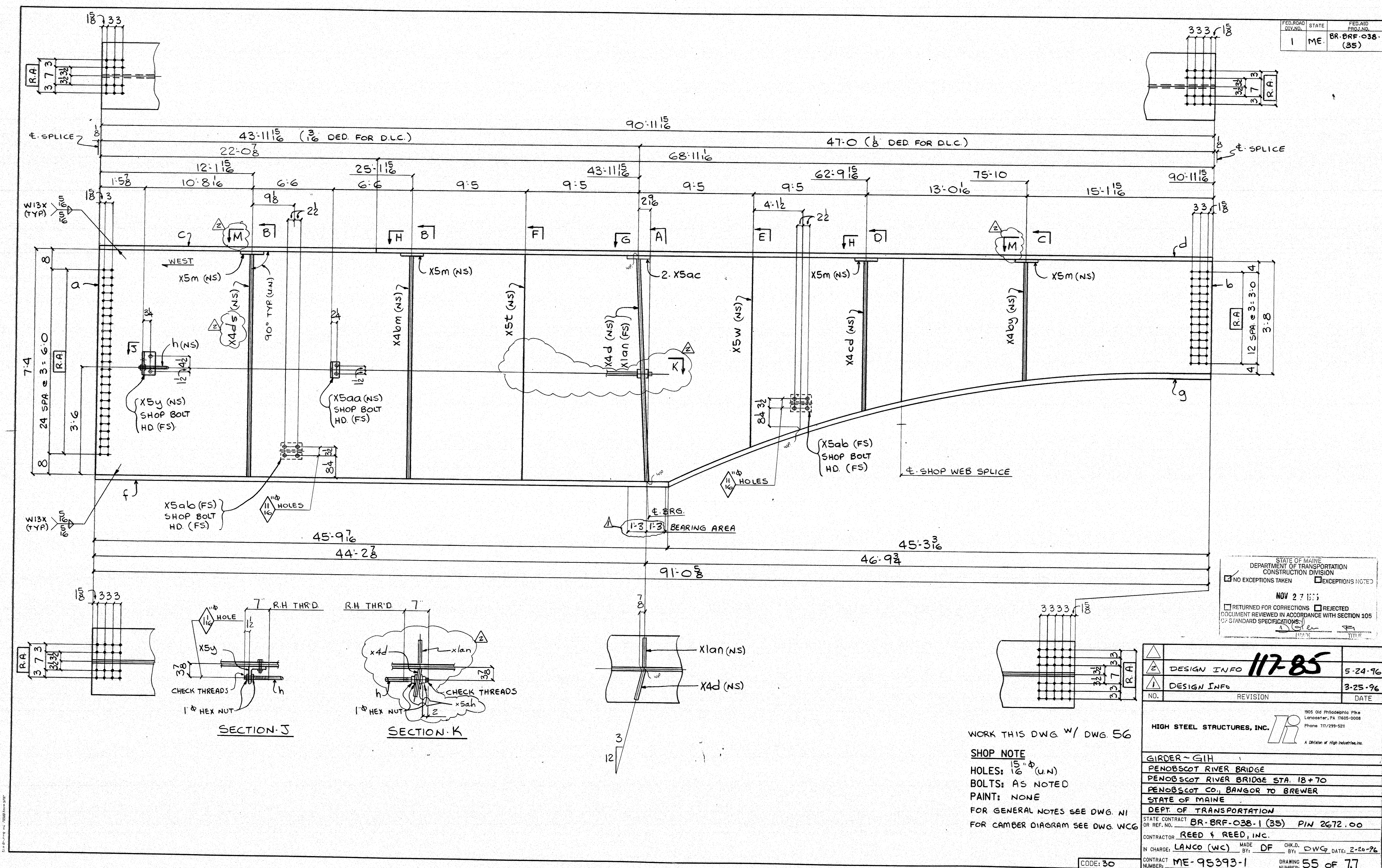
STATE CONTRACT OR REF. NO. BR-BRF-038-1 (35) PIN 2672.00

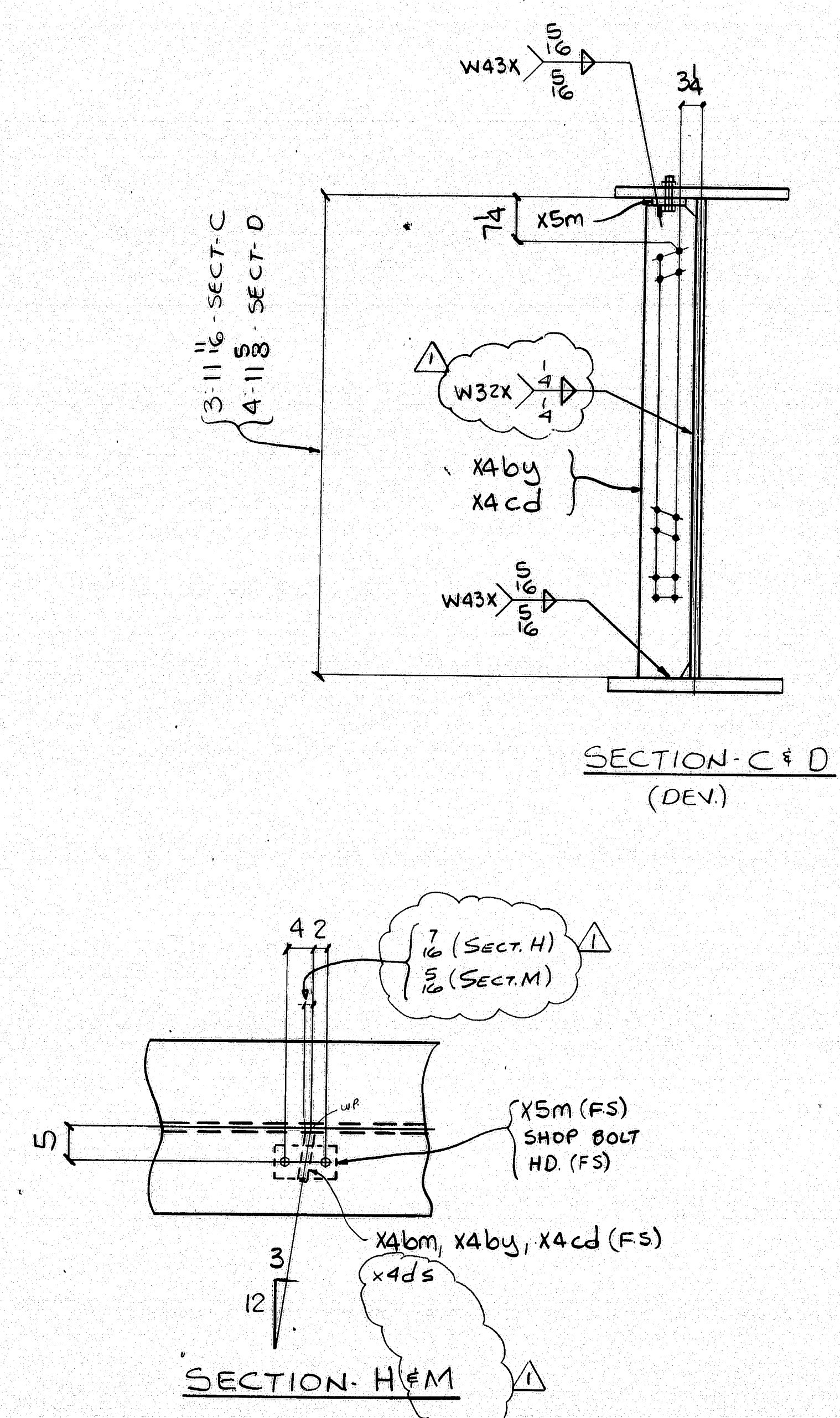
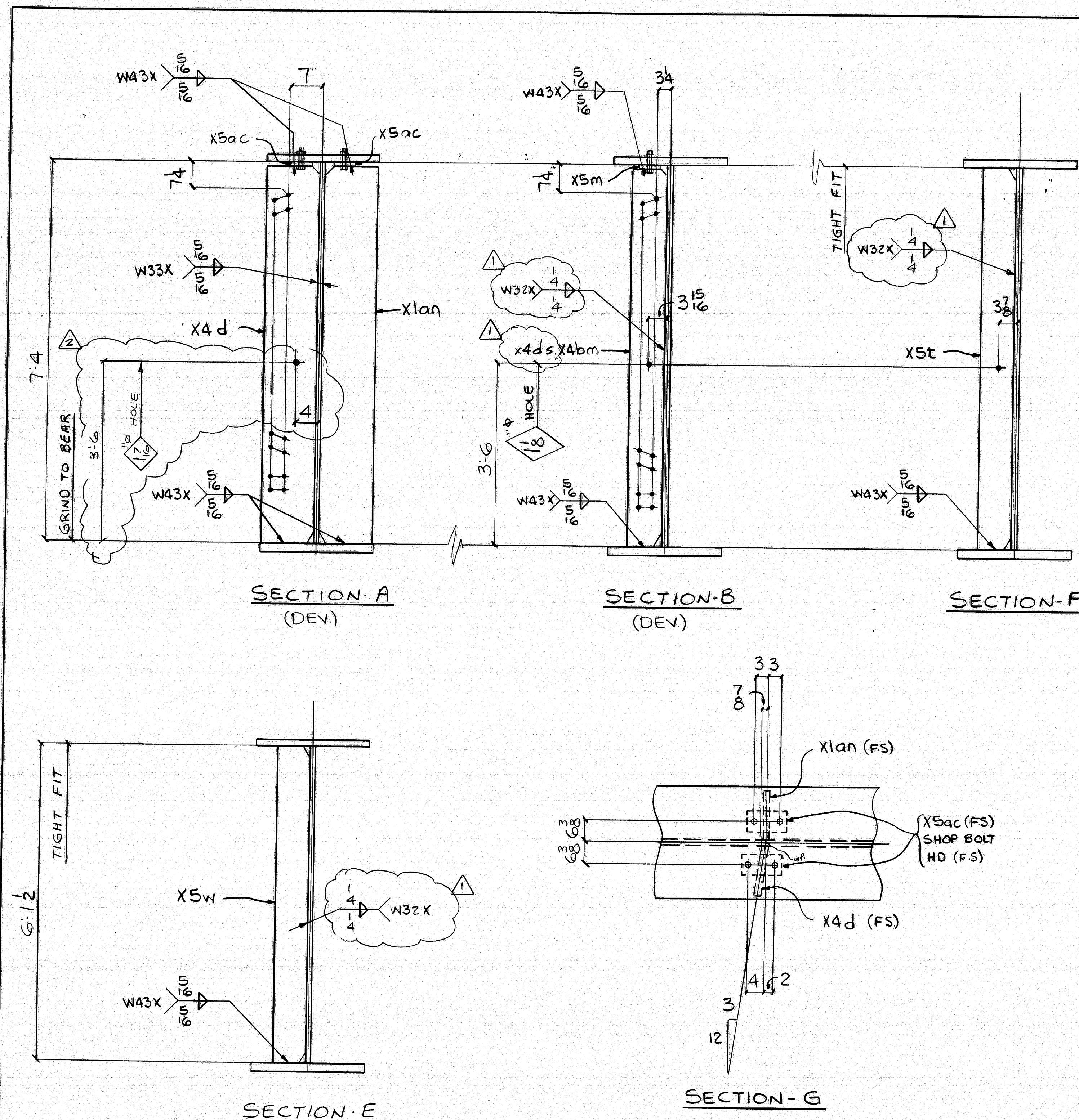
CONTRACTOR REED & REED, INC.

IN CHARGE: Lanco (WC) MADE BY: SJR CHK'D. DWG DATE: 2-22-96

CONTRACT NUMBER: ME-95393-1 DRAWING NUMBER: 54 OF 77

NOV 25 1996





WORK THIS DWG W/ DWG 55

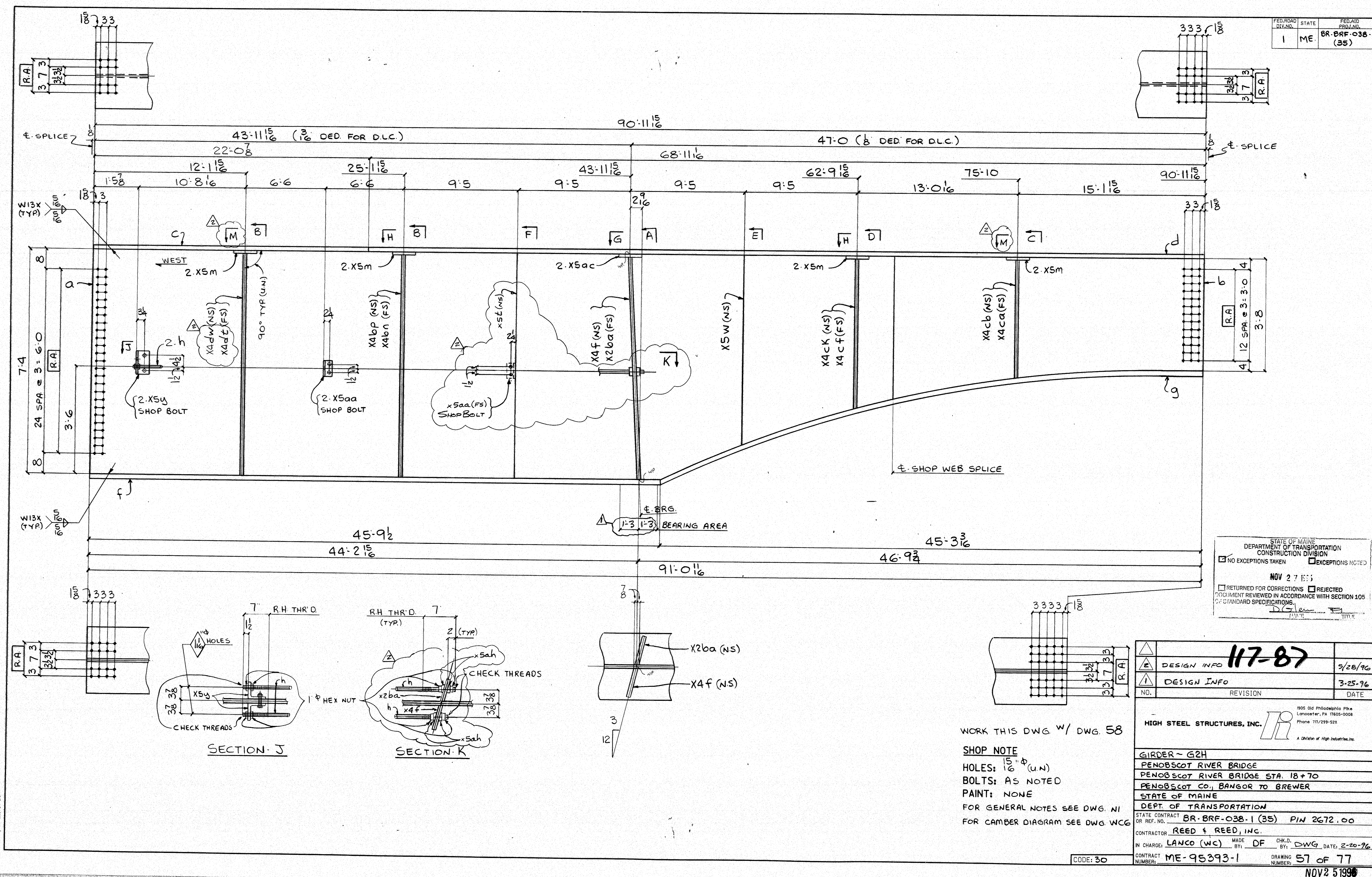
SHOP NOTE
HOLES: 1 1/2" (U.N.)
BOLTS: AS NOTED
PAINT: NONE
FOR GENERAL NOTES SEE DWG. N1
FOR CAMBER DIAGRAM SEE DWG. WCG

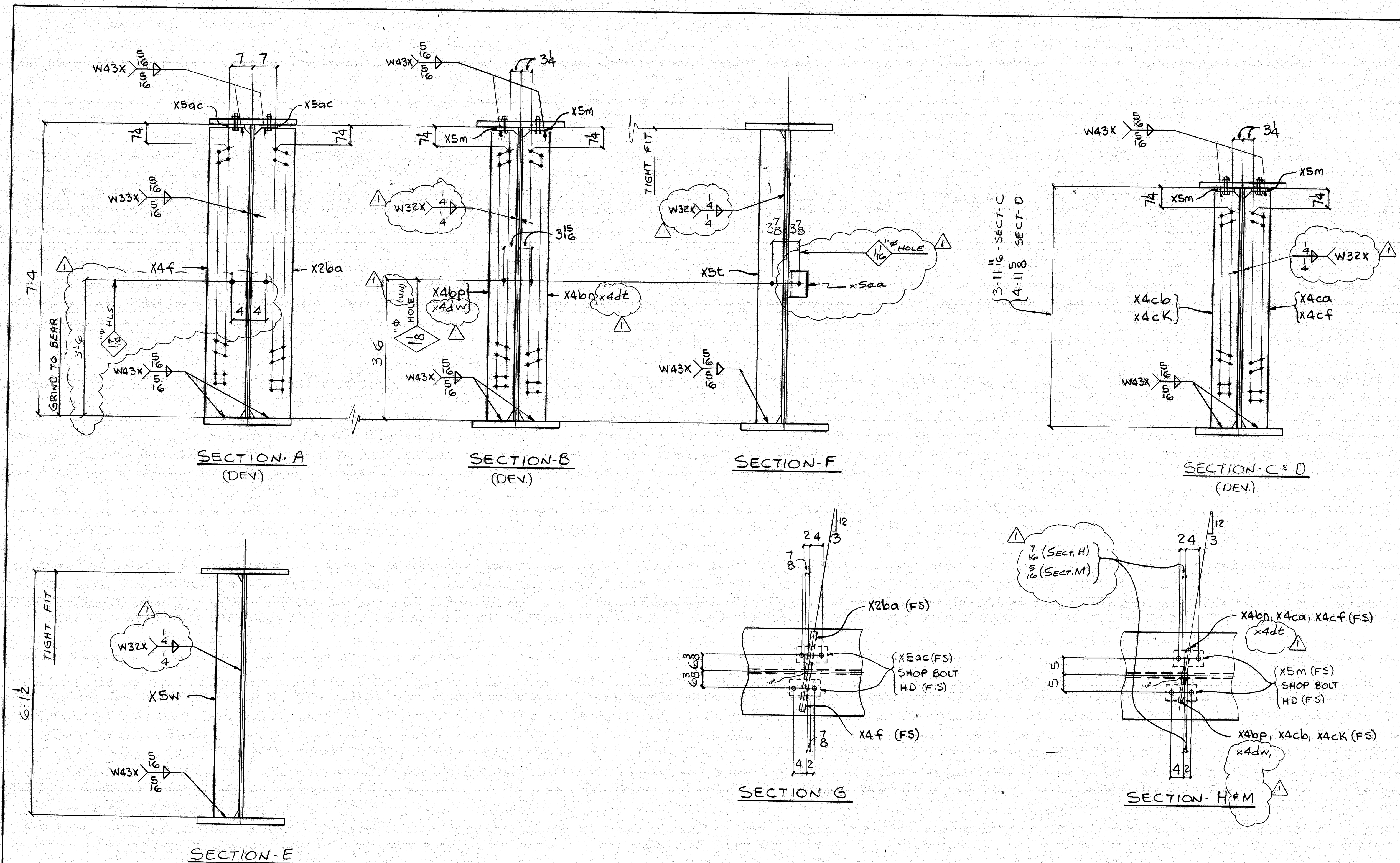
BILL OF MATERIAL									
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	QTY	UNIT	PRICE	TOTAL
ONE	GIH	GIRDER							53,770
1	a	R-88 x 3/4	65 11 7/8	(T)		1			8
1	b	R-56 1/2 x 3/4	25 1 1/4	(T)		1			14
1	c	R-26 x 28 22	0 8	(T)		3			21
1	d	R-26 x 28 68	11 1/8	(T)		3			6
1	e	R-26 x 28 45	9 1/8	(T)		3			13
1	g	R-26 x 28 45	5 3/4	(T)		3			14
1	h	1" ROD	42 10 1/2	ABT.		7			18
4		1" HEX NUTS				8			21
1	X5y	5 x 5 x 3/8	0 9			1			16
1	X5aa	5 x 3 1/2 x 3/8	0 6			1			17
4	X5m	BAR-5 x 3/8	0 9			7			10
2	X5ac	BAR-8 x 3/8	0 9			7			10
1	X4d	R-12 x 1 1/2	7 3 3/8			7			2
1	Xlan	R-12 x 1 1/2	7 3 3/8			7			2
1	X4bm	BAR-7 1/2 x 1 1/8	7 3 3/8			7			5
1	X4by	BAR-7 1/2 x 1 1/8	3 11 1/8			7			5
1	X4cd	BAR-7 1/2 x 1 1/8	4 11			7			5
1	X4ds	BAR-7 1/2 x 1 1/8	7 3 3/8			7			8
1	X5t	BAR-7 1/2 x 1 1/8	7 4			7			5
1	X5w	BAR-7 1/2 x 1 1/8	6 1 1/8			7			5
2	X5ah	BAR-1 3/8 x 1 1/4	0 13			7			22
2	X5ab	WT6 x 13	0 8			9			11
12	3/8"	HS BOLTS	0 4	7/FLG		81			8
4	3/8"	HS BOLTS	0 22	WEB		81			4
16		WASH. FOR 3/8" BOLTS				81			11
8	3/8"	HS BOLTS	0 24	X5ab		81			15
8		WASH. FOR 3/8" BOLTS				81			18

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1995
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS
D. G. LEE
DATE

117-86	
DESIGN INFO	3/28/96
NO.	REVISION
DATE	
HIGH STEEL STRUCTURES, INC.	
1770 Hempstead Road Lancaster, PA 17605-0008 Phone 717/299-5211 A Division of High Industries, Inc.	
GIRDER SECTIONS ~ GIH	
PENOBSCOT RIVER BRIDGE	
PENOBSCOT RIVER BRIDGE STA 18+70	
PENOBSCOT CO., BANGOR TO BREWER	
STATE OF MAINE	
DEPT. OF TRANSPORTATION	
STATE CONTRACT NO. BR-BRF-038-1(35) PIN 2672.00	
CONTRACTOR REED & REED, INC.	
IN CHARGE: LANCO (WC)	MADE BY: DF
CONTRACT NUMBER: ME-95393-1	DWG. DATE: 2-20-96
DRAWING NUMBER: 56 OF 77	

NOV 25 1996





WORK THIS DWG W/ DWG. 57

SHOP NOTE

HOLES: 1/2" (U.N.)
BOLTS: AS NOTED
PAINT: NONE

FOR GENERAL NOTES SEE DWG. N1
FOR CAMBER DIAGRAM SEE DWG. WC6

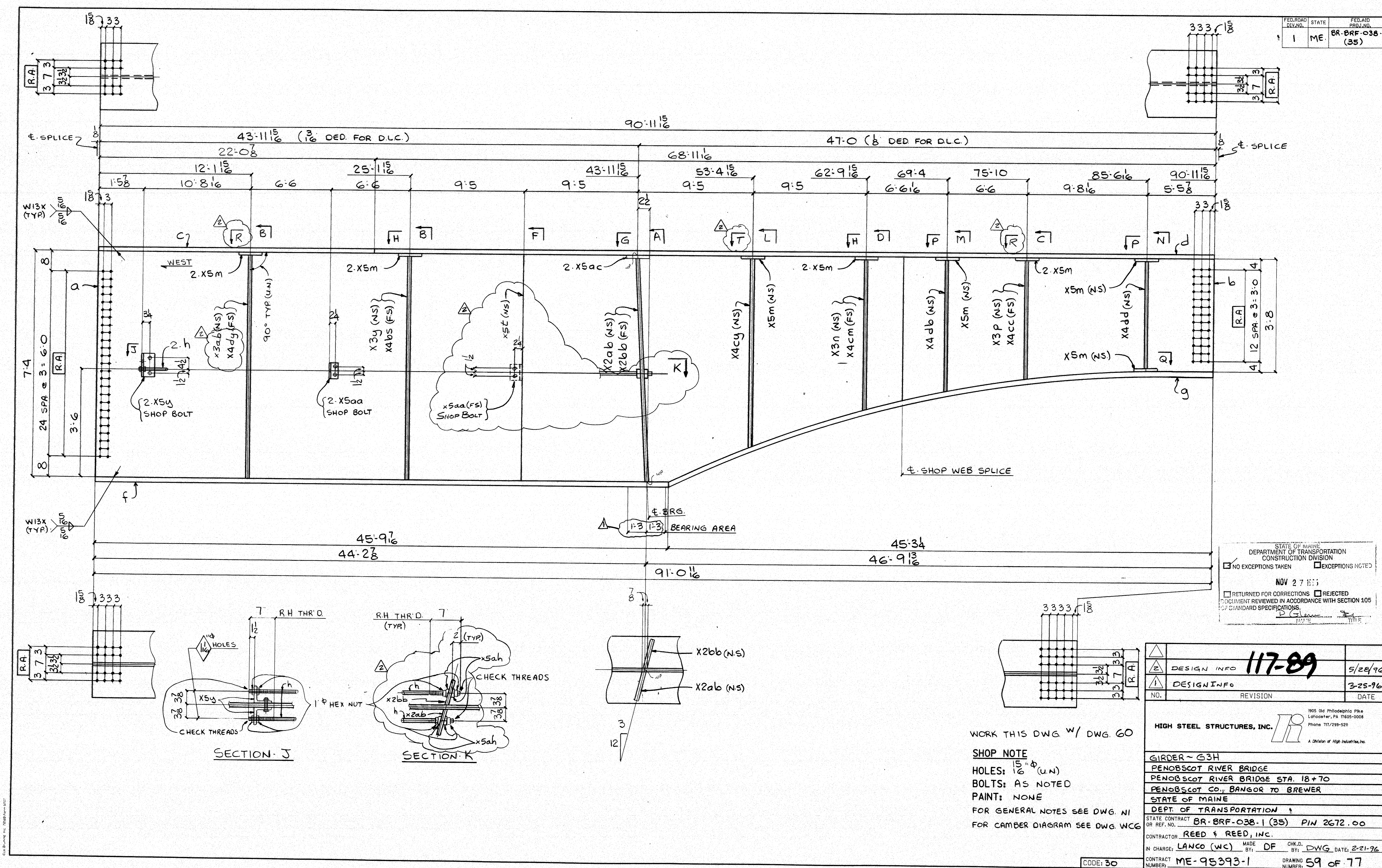
FED. ROAD DIV. NO.		STATE	FED. AID PROJ. NO.
1		ME	BR-BRF-038-1 (35)

BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP WEIGHT EA.
ONE	G2H	GIRDER				34,420
1	a	R-88 x $\frac{3}{4}$	65 $11\frac{1}{2}$	(T)	1	8
1	b	R-56 $\frac{1}{2}$ x $\frac{3}{4}$	25 $\frac{1}{4}$	(T)	1	14
1	c	R-26 x 28	22 08	(T)	3	21
1	d	R-26 x 28	68 $11\frac{1}{16}$	(T)	3	6
1	f	R-26 x 28	45 $9\frac{1}{2}$	(T)	3	13
1	g	R-26 x 28	45 $5\frac{3}{4}$	(T)	3	14
2	h	1" ROD	42 $11\frac{1}{2}$	AST.	7	18
8		1" HEX NUTS			8	21
2	X5y	5x5x $\frac{3}{8}$	0 9		7	16
3	X5aa	5x3 $\frac{1}{2}$ x $\frac{3}{8}$	0 6		7	17
8	X5m	BAR-5x8	0 9		7	10
2	X5ac	BAR-8x8	0 9		7	10
1	X4f	R-12 x $1\frac{1}{2}$	7 $3\frac{15}{16}$		7	2
1	X2ba	R-12 x $1\frac{1}{2}$	7 $3\frac{15}{16}$		7	2
4	X5ah	BAR-1 $\frac{1}{2}$ x1 $\frac{1}{4}$	0 $1\frac{3}{4}$		7	23
1	X4bp	BAR-7 $\frac{1}{2}$ x $1\frac{1}{2}$	7 $3\frac{3}{8}$		7	5
1	X4bn	BAR-7 $\frac{1}{2}$ x $1\frac{1}{2}$	7 $3\frac{3}{8}$		7	5
1	X4cb	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	3 $11\frac{1}{16}$		7	8
1	X4ca	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	3 $11\frac{1}{16}$		7	8
1	X4cK	BAR-7 $\frac{1}{2}$ x $1\frac{1}{2}$	4 11		7	5
1	X4cf	BAR-7 $\frac{1}{2}$ x $1\frac{1}{2}$	4 11		7	5
1	X5t	BAR-7 $\frac{1}{2}$ x $1\frac{1}{2}$	7 4		7	5
1	X5w	BAR-7 $\frac{1}{2}$ x $1\frac{1}{2}$	6 $1\frac{1}{16}$		7	5
1	X4dw	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7 $3\frac{3}{8}$		7	8
1	X4dc	BAR-7 $\frac{1}{2}$ x $\frac{3}{8}$	7 $3\frac{3}{8}$		7	8
20	8"	H.S. BOLTS	0 4	T/FLG.	81	8
4	8"	H.S. BOLTS	0 2 $\frac{1}{2}$	2-H.R. CLIPS, WEB	81	5
26	WASH	FOR 8" BOLTS	0 2 $\frac{1}{2}$	2-H.R. CLIP, WEB	81	11
2	7/8"	H.S. BOLTS	0 2 $\frac{1}{2}$	1-H.R. CLIP, WEB	81	4

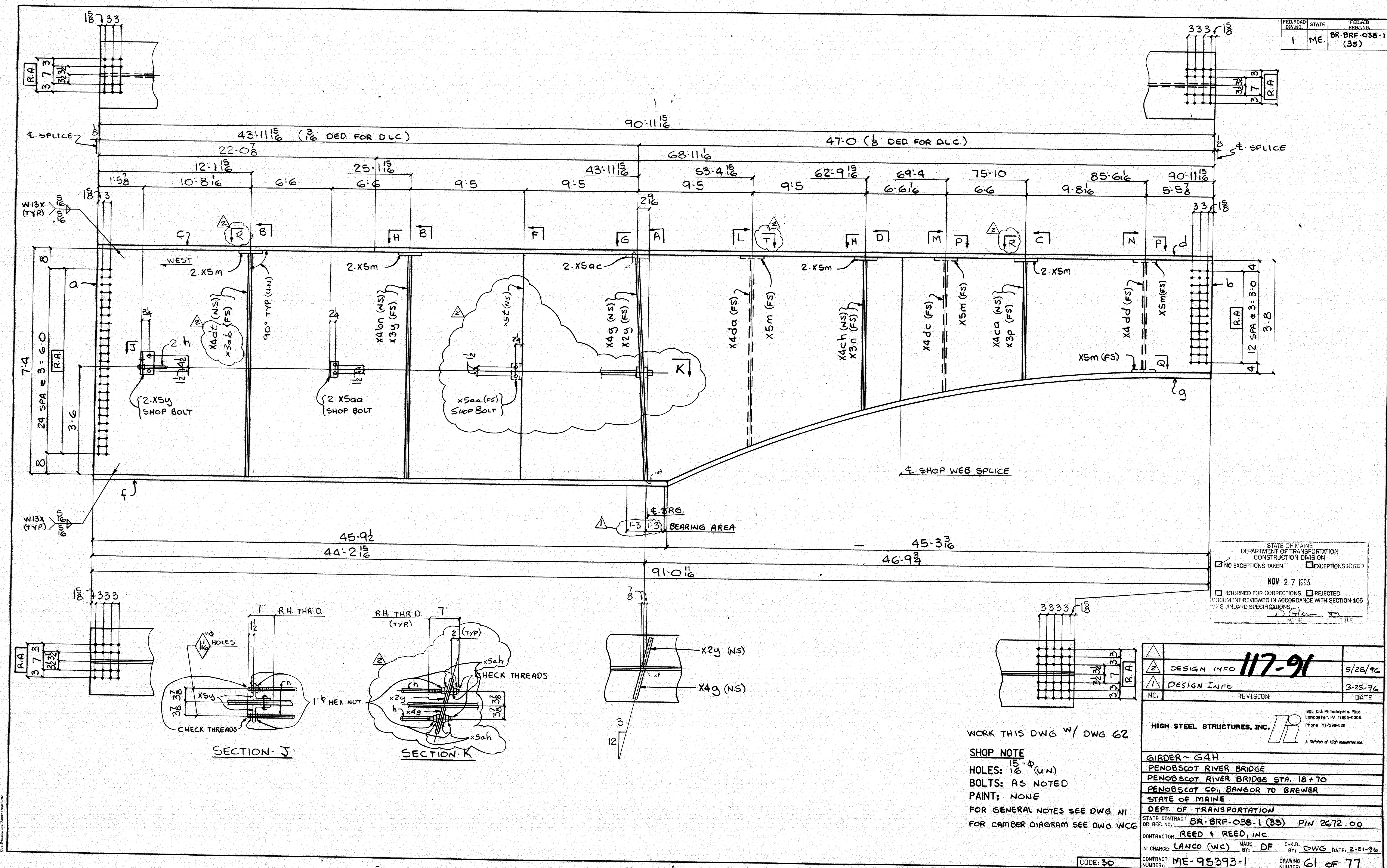
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS
DESIGNED BY: [Signature] CHECKED BY: [Signature]

117-88	
DESIGN INFO	5/28/96
NO. REVISION	DATE
HIGH STEEL STRUCTURES, INC. 	
GIRDER SECTIONS ~ G2H	
PENOBSCOT RIVER BRIDGE	
PENOBSCOT RIVER BRIDGE STA. 18+70	
PENOBSCOT CO., BANGOR TO BREWER	
STATE OF MAINE	
DEPT. OF TRANSPORTATION	
STATE CONTRACT OR REF. NO.	BR-BRF-038-1 (35) PIN 2672.00
CONTRACTOR	REED & REED, INC.
IN CHARGE	LANCO (WC)
MADE BY	DF
CHECKED BY	DF
DWG. DATE	2-20-96
CONTRACT NUMBER	ME-95393-1
DRAWING NUMBER	58 OF 77

NOV 25 1996



NOV 25 1996



FED. ROAD DIV. NO.	STATE	FED. ROAD PROJ. NO.
1	ME.	BR-BRF-038-1 (35)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1993

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

☐ DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105

☐ STANDARD SPECIFICATIONS

DATE: 11/27/93

NO.	REVISION	DATE
1	DESIGN INFO 117-91	5/28/96
2	DESIGN INFO	3-25-96

HIGH STEEL STRUCTURES, INC.

1905 Old Philadelphia Pike
Lancaster, PA 17606-0008
Phone 717/299-5211

GIRDER - G4H

PENOBSCOT RIVER BRIDGE

PENOBSCOT RIVER BRIDGE STA. 18+70

PENOBSCOT CO., BANGOR TO BREWER

STATE OF MAINE

DEPT. OF TRANSPORTATION

STATE CONTRACT OR REF. NO. BR-BRF-038-1 (35) PIN 2672.00

CONTRACTOR REED & REED, INC.

IN CHARGE LANC (WC) MADE BY DF

CONTRACT NO. ME-95393-1

DRAWING NO. 61 OF 77

WORK THIS DWG W/ DWG. 62

SHOP NOTE

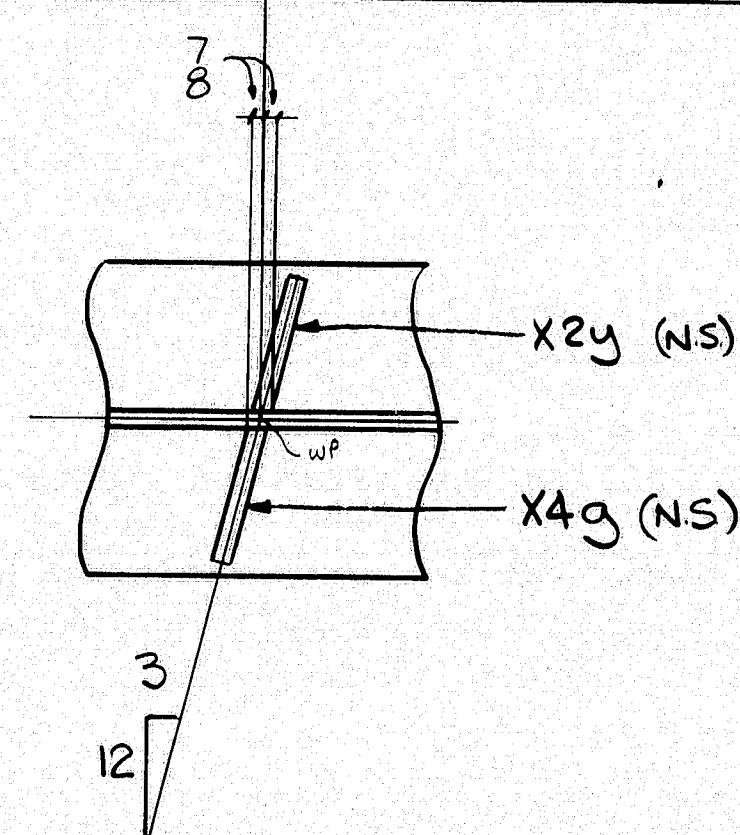
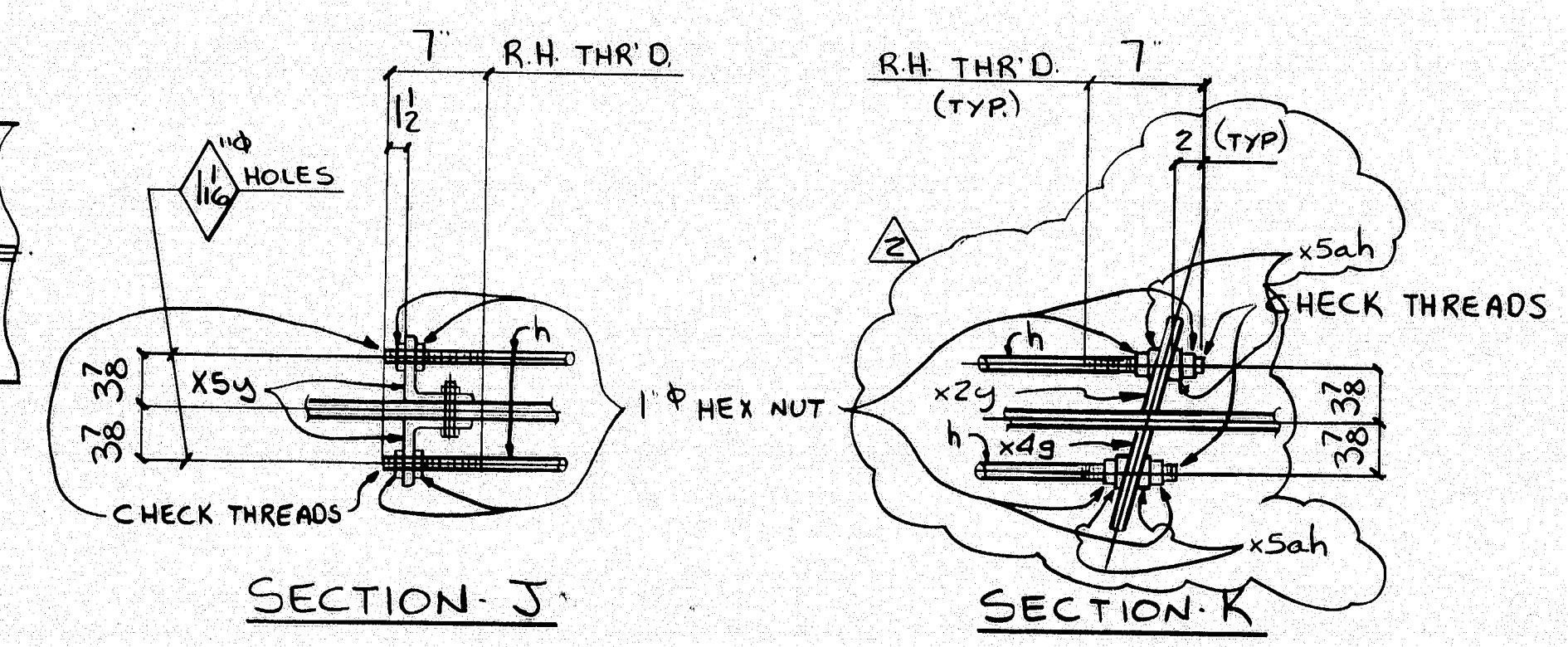
HOLES: 1 1/2" (u.n.)

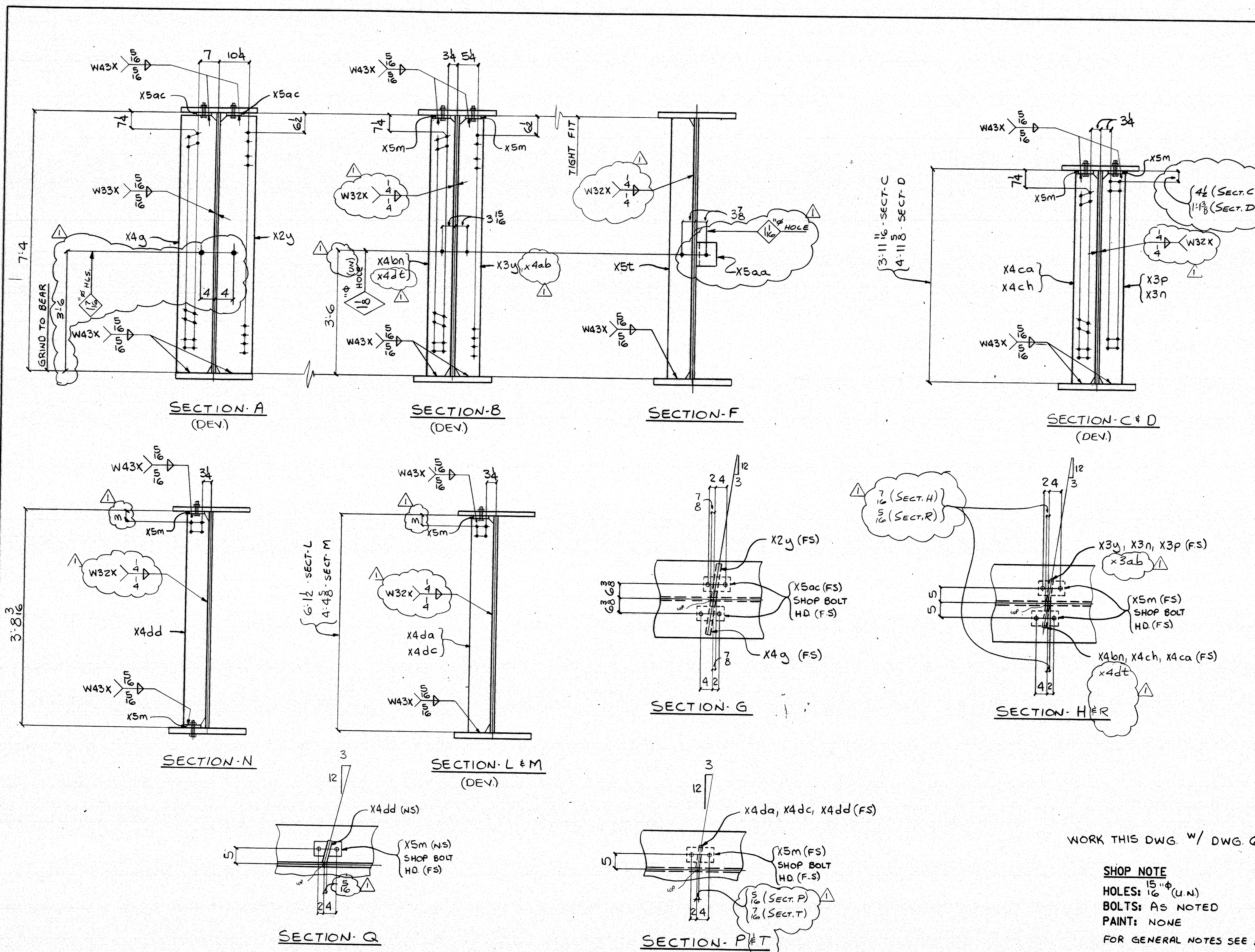
BOLTS: AS NOTED

PAINT: NONE

FOR GENERAL NOTES SEE DWG. N1

FOR CAMBER DIAGRAM SEE DWG. WC6





FED. ROAD DIVISION			STATE		FED. ROAD PROJECT NO.	
1			ME		BR-88F-038 (35)	
BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SUB WEIGHT
ONE	G4H	GIRDER				24.3
1	a	R. 8.8 x 3	65 11/2	(T)	1	8
1	b	R. 5.6 1/2 x 3	25 1/4	(T)	1	14
1	c	R. 2.6 x 2.8	22 0/8	(T)	3	21
1	d	R. 2.6 x 2.8	68 11/16	(T)	3	6
1	f	R. 2.6 x 2.8	45 9/8	(T)	3	13
1	g	R. 2.6 x 2.8	45 5/8	(T)	3	14
2	h	1" Φ ROD	42 11/2	AB.T.	7	18
8		1" Φ HEX NUTS			8	21
2	X5u	5x5x3/8	0 9		7	16
3	X5aa	4x5x3/2 x 3/8	0 6		7	17
12	X5m	BAR-5 x 3/8	0 9		7	10
2	X5ac	BAR-8 x 3/8	0 9		7	10
1	X4g	R. 12 x 1/2	7 3 5/8		7	2
1	X2y	R. 12 x 1/2	7 3 5/8		7	2
4	X5aa	BAR-1 1/2 x 1/4	0 1 1/2		7	22
1	X4on	BAR-7/8 x 1/2	7 3/8		7	5
1	X3y	BAR-7/8 x 1/2	7 3/8		7	5
1	X4ca	BAR-7/8 x 1/2	3 11/16		7	8
1	X3p	BAR-7/8 x 1/2	3 11/16		7	8
1	X4ch	BAR-7/8 x 1/2	4 11		7	5
1	X3n	BAR-7/8 x 1/2	4 11		7	5
1	X4da	BAR-7/8 x 1/2	6 0 15/16		7	5
1	X4dc	BAR-7/8 x 1/2	4 4		7	8
1	X5t	BAR-7/8 x 1/2	7 4		7	5
1	X4dd	BAR-7/8 x 1/2	3 6 15/16		7	8
1	X4dt	BAR-7/8 x 1/2	7 3/8		7	8
1	X3ab	BAR-7/8 x 1/2	7 3/8		7	8
28	3Φ	HS BOLTS	0 4	T & B FLG.	8	1
4	3Φ	HS BOLTS	0 2 1/2	2-H.R. CLIPS, WEB	8	5
34	WASH	FOR 3Φ BOLTS			8	11
2	3Φ	H.S. BOLTS	0 2 1/2	1-H.R. CLIP, WEB	8	4

WORK THIS DWG. W/ DWG. 61

SHOP NOTE
HOLES: 16 $\frac{15}{16}$ " ϕ (U.N.)
BOLTS: AS NOTED
PAINT: NONE
FOR GENERAL NOTES SEE DWG. NO. 1
FOR CAMBER DIAGRAM SEE DWG. WCC-1

STATE OF MAINE DEPARTMENT OF TRANSPORTATION CONSTRUCTION DIVISION	
☒ NO EXCEPTIONS TAKEN	☐ EXCEPTIONS NOTED
NOV 27 1995	
☐ RETURNED FOR CORRECTIONS ☐ REJECTED DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS.	
NAME <u>D. J. GILBERT</u>	TITLE <u>PE</u>

△		
△	117-92	
△	DESIGN INFO	5/28/96
NO.	REVISION	DATE

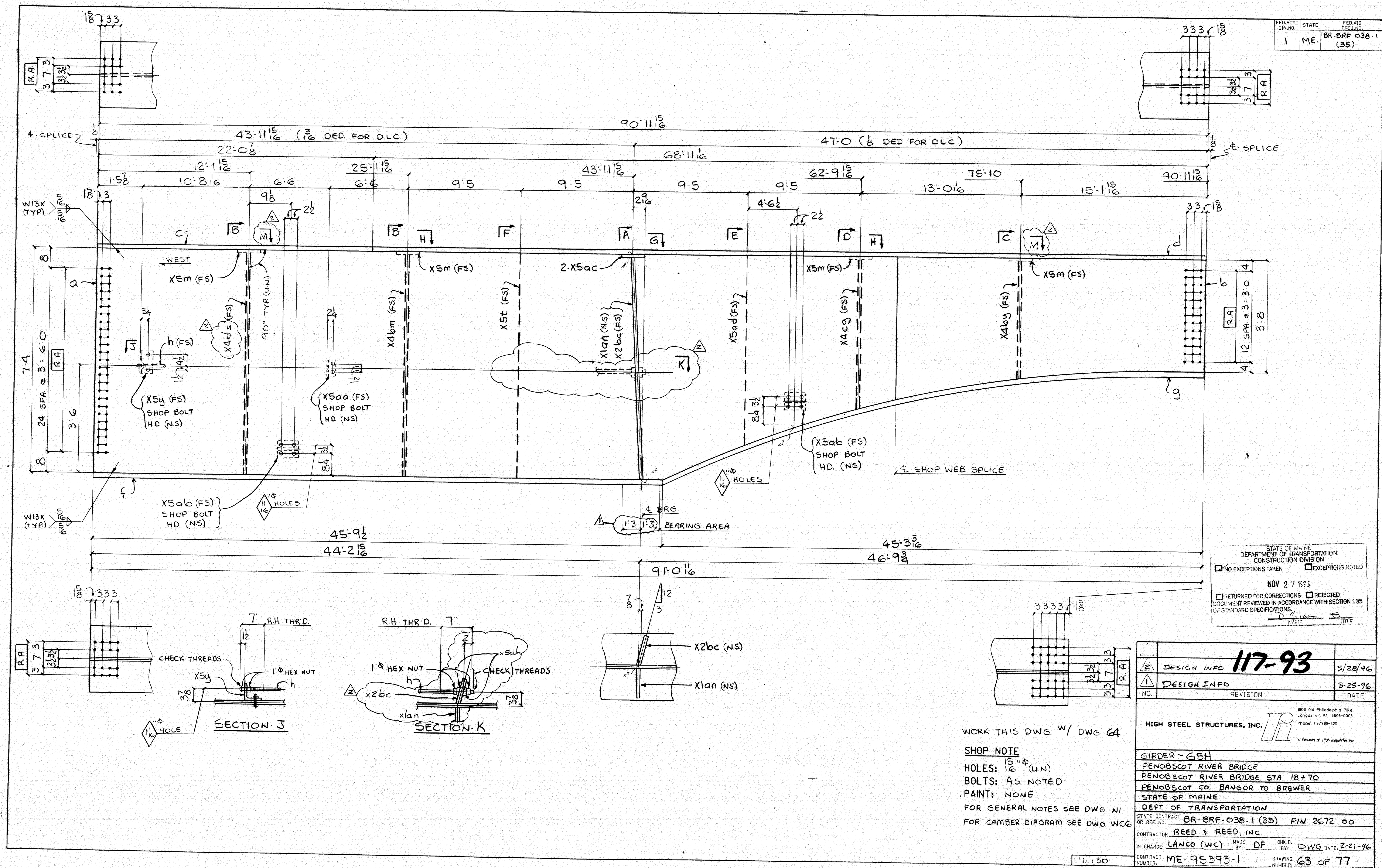
HIGH STEEL STRUCTURES, INC.

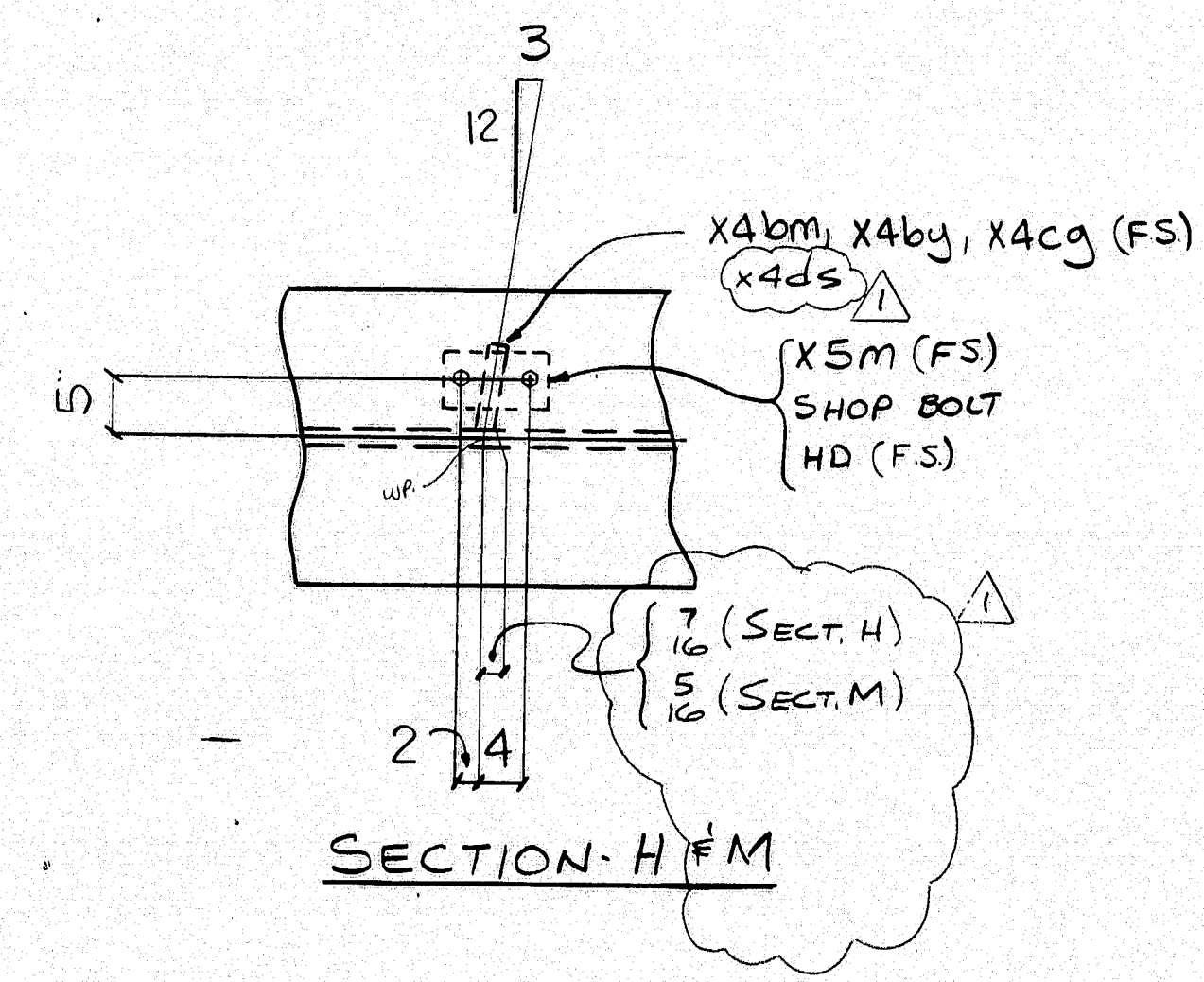
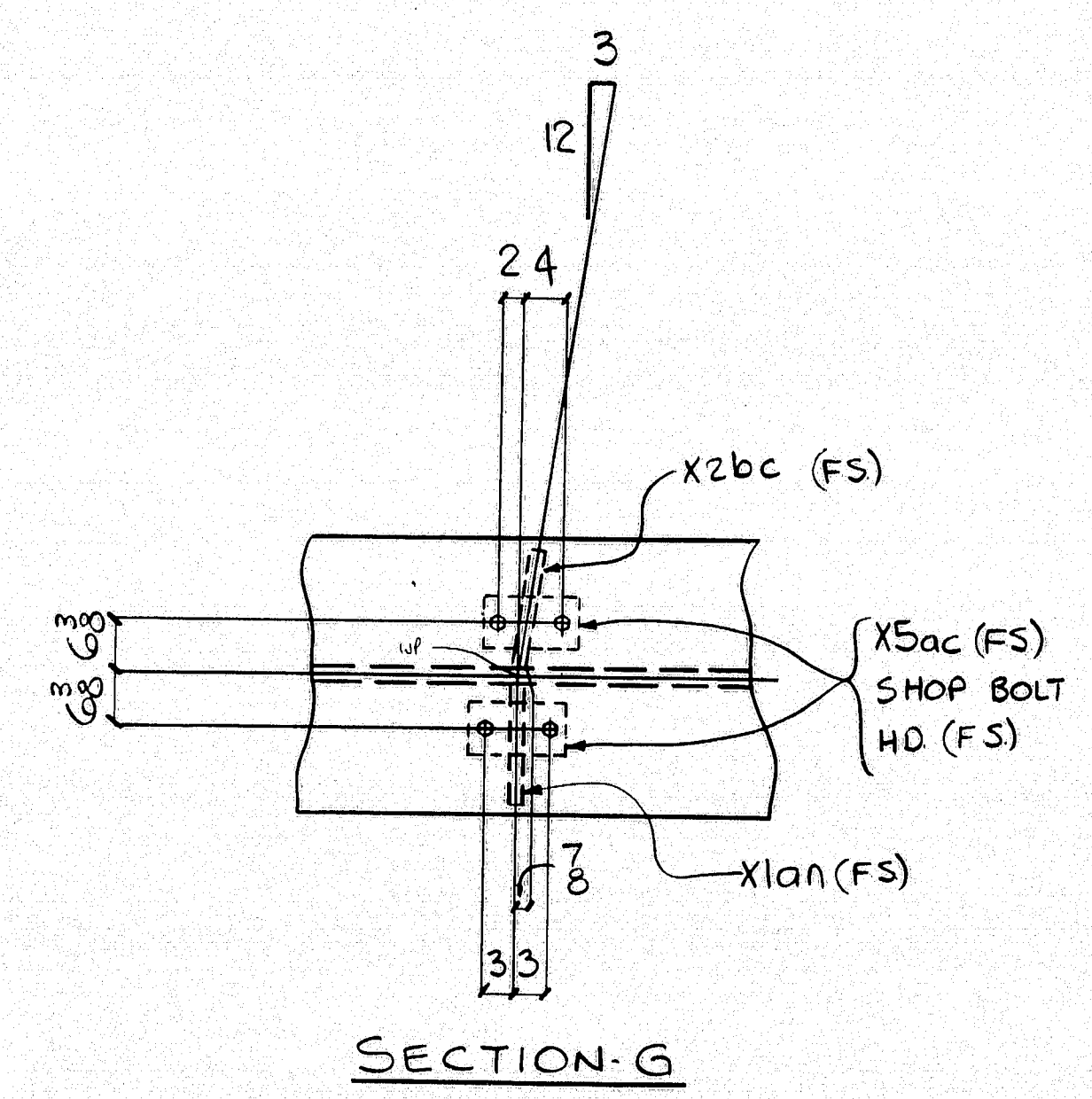
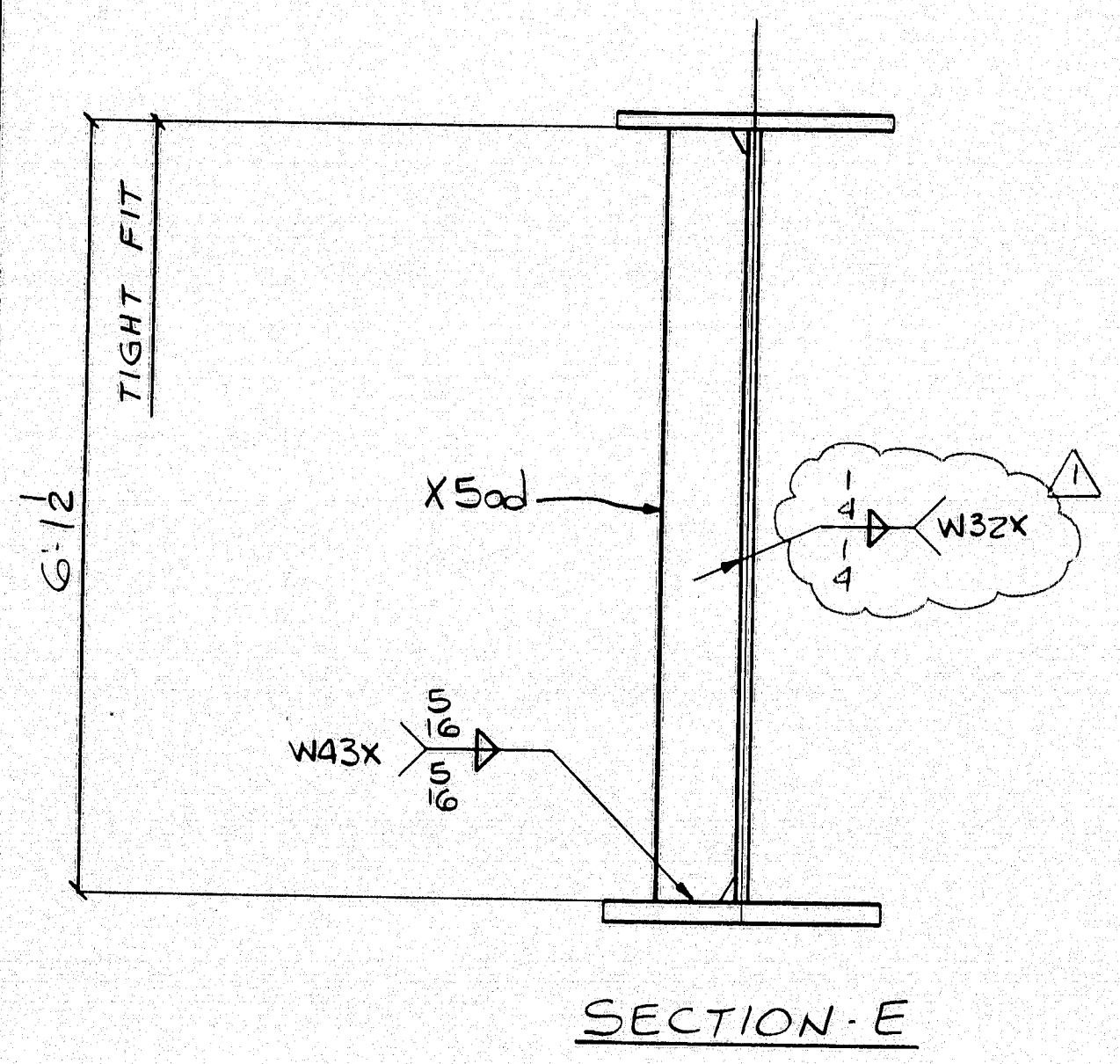
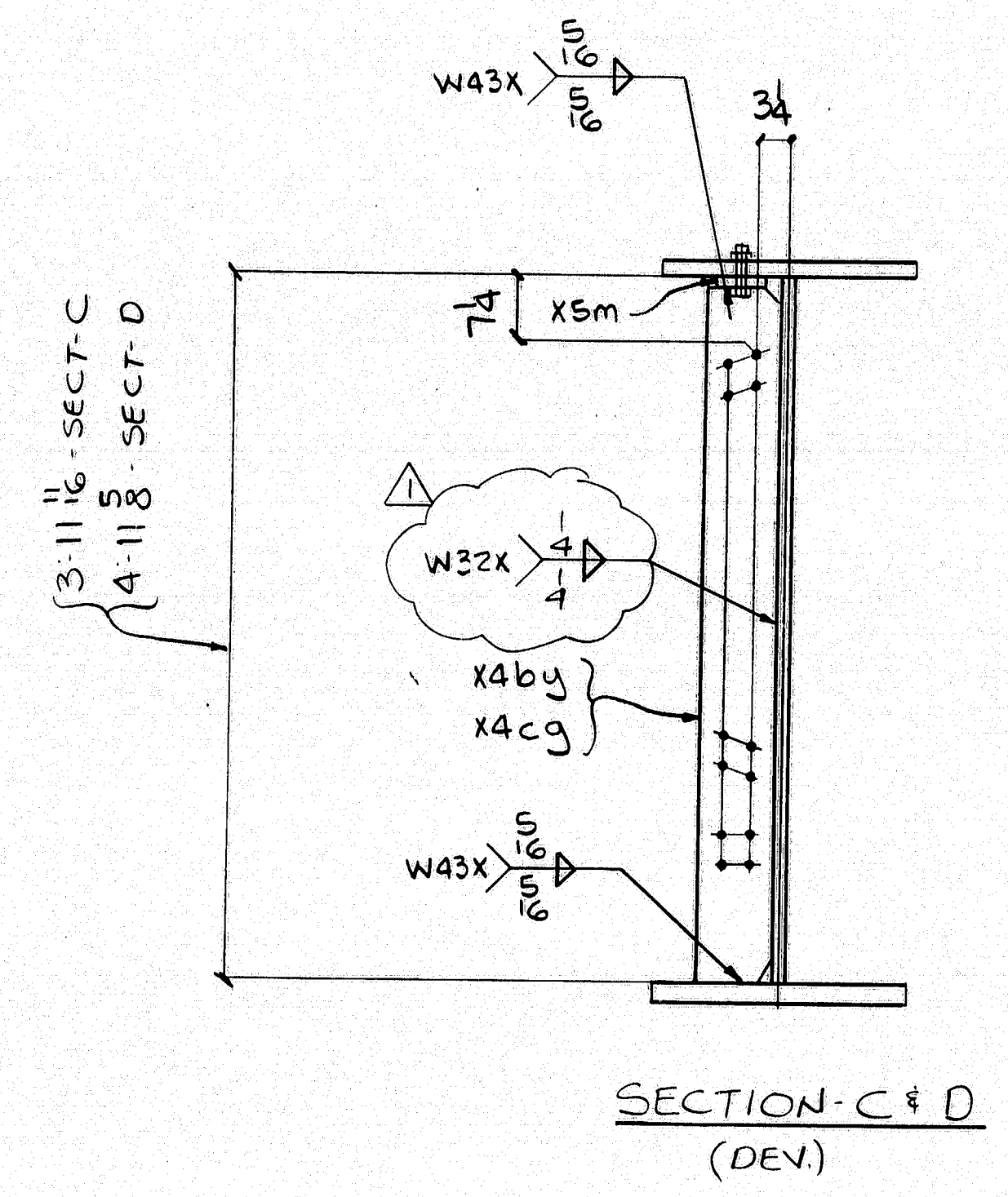
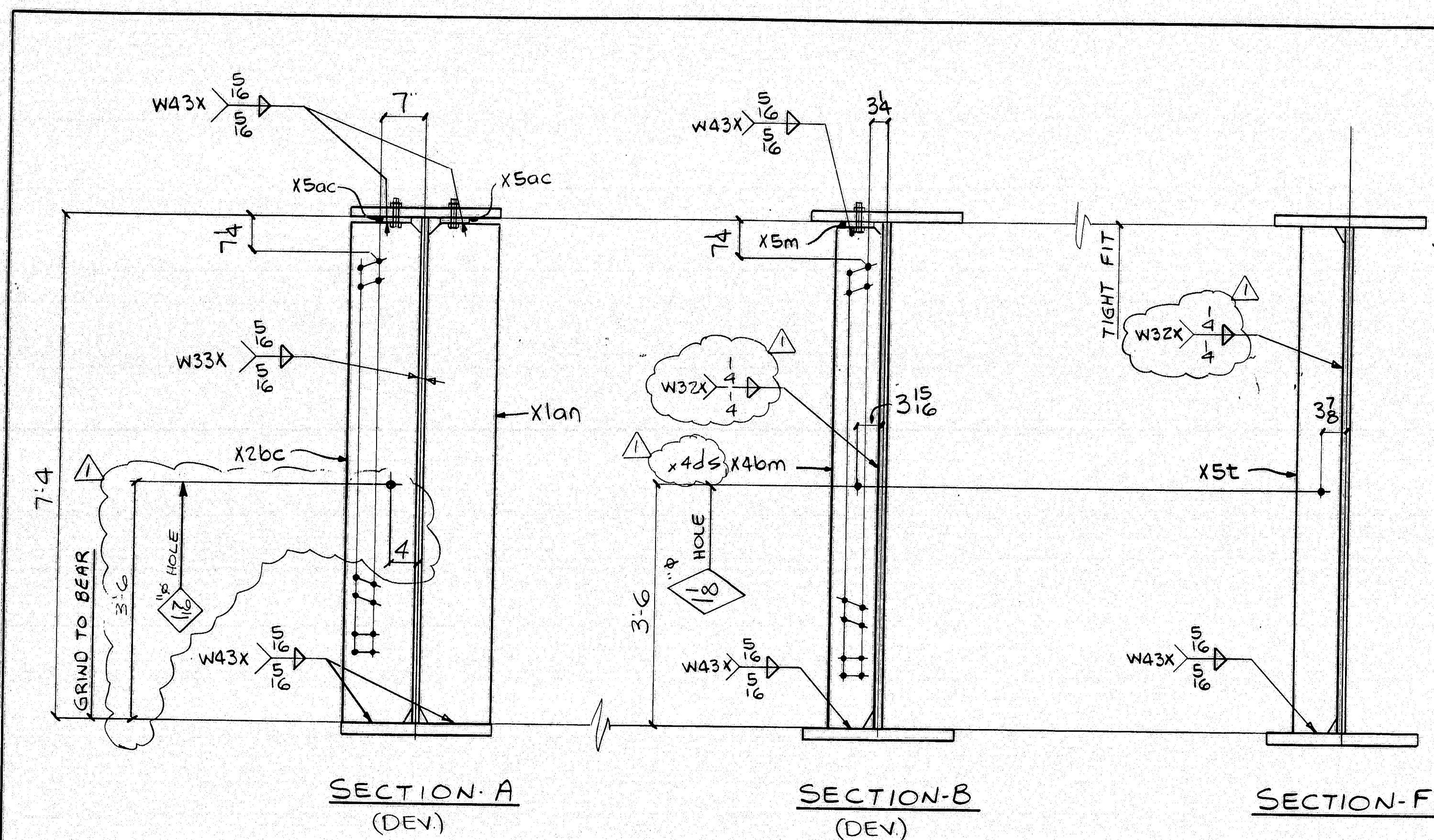


1770 Hampden Road
 Lenooxee, PA 16050-0008
 Phone 717/239-528

A Division of High Industries, Inc.

GIRDER SECTIONS ~ 64H
PENOBSCOT RIVER BRIDGE
PENOBSCOT RIVER BRIDGE STA 18+70
PENOBSCOT CO., BANGOR TO BREWER
STATE of MAINE
DEPT. OF TRANSPORTATION
STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00
CONTRACTOR REED & REED, INC.
IN CHARGE LANCO (WC) MADE BY: DF CHK'D BY: DWG DATE: 2-21-96
CONTRACT NUMBER ME-95393-1 DRAWING NUMBER 62 OF 77





WORK THIS DWG W/ DWG. 63

SHOP NOTE
 HOLES: 15/16" (U.N.)
 BOLTS: AS NOTED
 PAINT: NONE
 FOR GENERAL NOTES SEE DWG. N1
 FOR CAMBER DIAGRAM SEE DWG. WCG

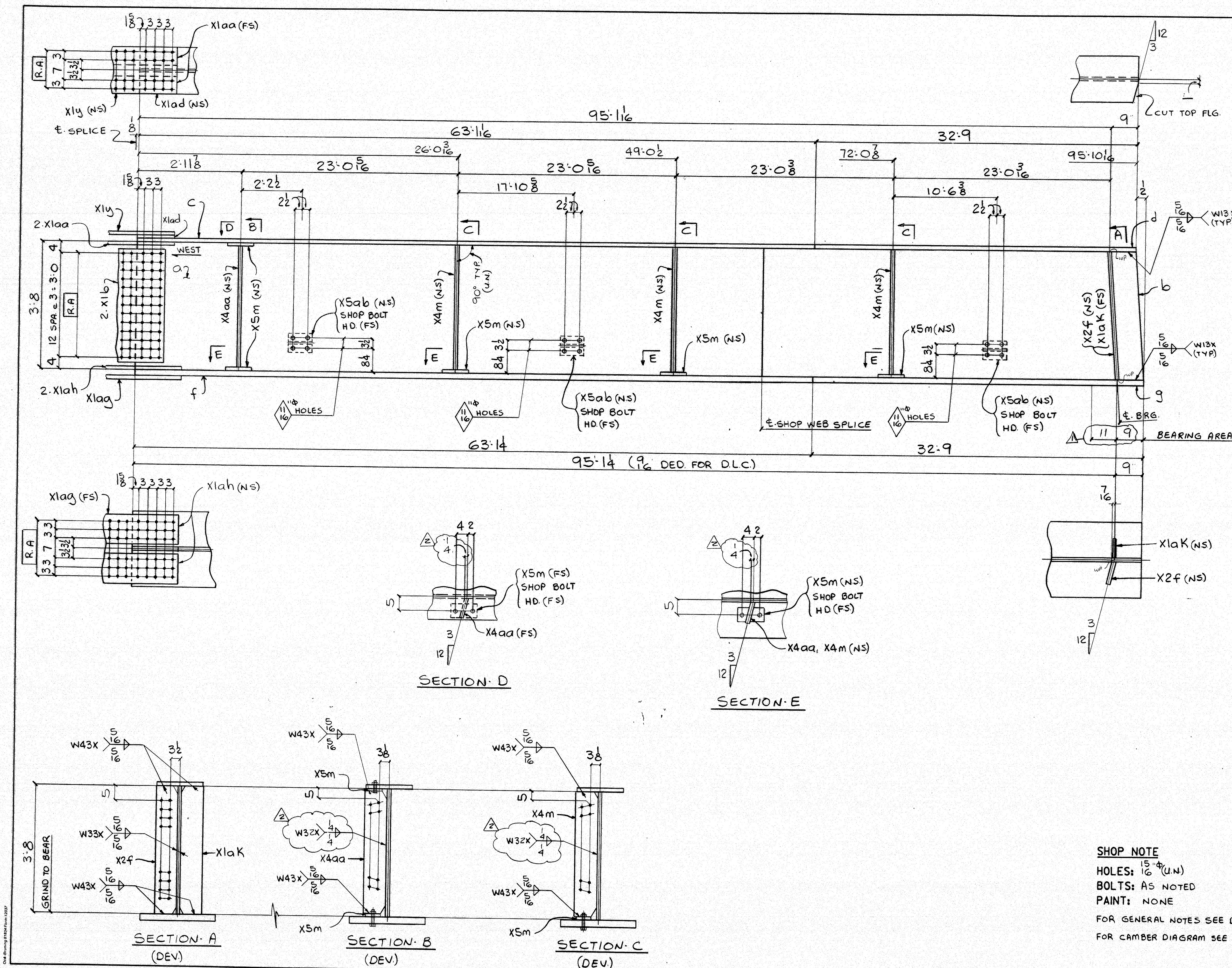
FED. ROAD DIV. NO.		STATE	FED. AID PROJ. NO.
1		ME	BR-BRF-038-1 (35)

BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP. WEIGHT LB.
ONE	GSH	GIRDER				53,170
1	a	R. 88 x $\frac{3}{4}$	65 $11\frac{1}{2}$	(T)	1	8
1	b	R. 56 $\frac{1}{4}$ x $\frac{3}{4}$	25 $\frac{1}{4}$	(T)	1	14
1	c	R. 26 x 28	22 $0\frac{8}{8}$	(T)	3	21
1	d	R. 26 x 28	68 $11\frac{1}{16}$	(T)	3	6
1	f	R. 26 x 28	45 $9\frac{1}{2}$	(T)	3	13
1	g	R. 26 x 28	45 $5\frac{3}{4}$	(T)	3	14
1	h	1" ROD	43 0	AB.T.	1	18
4		1" HEX NUTS			81	21
1	X5y	$\frac{5}{8}$ x 5 x $\frac{3}{8}$	0 9		1	16
1	X5aa	$\frac{5}{8}$ x 3 $\frac{1}{2}$ x $\frac{3}{8}$	0 6		1	17
4	X5m	BAR. 5 x $\frac{3}{8}$	0 9		1	10
2	X5ac	BAR. 8 x $\frac{3}{8}$	0 9		1	10
1	X2bc	R. 12 x $1\frac{1}{2}$	7 $3\frac{5}{8}$		1	2
1	Xlan	R. 12 x $1\frac{1}{2}$	7 $3\frac{3}{8}$		1	2
1	X4bm	BAR. 7 $\frac{1}{2}$ x $\frac{1}{8}$	7 $3\frac{3}{8}$		1	5
1	X4by	BAR. 7 $\frac{1}{2}$ x $\frac{1}{8}$	3 $11\frac{1}{16}$		1	5
1	X4cg	BAR. 7 $\frac{1}{2}$ x $\frac{1}{8}$	4 11		1	5
1	X4ds	BAR. 7 $\frac{1}{2}$ x $\frac{1}{8}$	7 $3\frac{3}{8}$		1	5
1	X5t	BAR. 7 $\frac{1}{2}$ x $\frac{1}{8}$	7 4		1	5
1	X5ad	BAR. 7 $\frac{1}{2}$ x $\frac{1}{8}$	6 $1\frac{1}{16}$		1	5
2	X5ab	WTG. x 13	0 8		9	11
2	X5ah	BAR. 1 $\frac{3}{4}$ x $1\frac{1}{4}$	0 $1\frac{3}{4}$		2	22
12	$\frac{3}{4}$ "	HS BOLTS	0 4	1/FLG.	81	8
4	$\frac{3}{4}$ "	HS BOLTS	0 22	WEB	81	4
16	WASH.	FOR $\frac{3}{4}$ " BOLTS			81	11
8	$\frac{5}{8}$ "	HS BOLTS	0 24	X5ab	81	15
8	WASH.	FOR $\frac{5}{8}$ " BOLTS			81	18

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
 NOV 27 1995
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
 DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 205
 OF STANDARD SPECIFICATIONS
 J. G. F. TIME

DESIGN INFO	117-94	5/22/96
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC.		
GIRDER SECTIONS ~ GSH		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO., BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT OR REF. NO. BR-BRF-038-1 (35) PIN 2672.00		
CONTRACTOR REED & REED, INC.		
IN CHARGE Lanco (WC)	MADE BY DF	CHK'D BY DWG DATE: 2-21-96
CONTRACT NUMBER ME-95393-1	DRAWING NUMBER 64 OF 77	

NOV 2 5 1996



FED. ROAD DIV. NO.		STATE	FED. ROAD PROJ. NO.			
1		ME	BR-BRF-038-1 (35)			
BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP WEIGHT LB.
ONE GIRDER						22,68
1	a	R. 44 x $9\frac{1}{2}$	59 $7\frac{1}{2}$	(T)	1	21
1	b	R. 44 x $9\frac{1}{2}$	36 $3\frac{3}{4}$	(T)	1	22
1	c	R. 16 x 1	63 $1\frac{1}{2}$	(T)	4	12
1	d	R. 16 x 1	32 9	(T)	4	14
1	f	R. 26 x 28	63 $1\frac{1}{2}$	(T)	3	8
1	g	R. 26 x 28	32 9	(T)	3	18
2	X1b	R. 39 x $\frac{1}{2}$	1 $6\frac{1}{2}$	(T)	6	10
1	X1y	R. 16 x $1\frac{1}{2}$	2 $0\frac{1}{2}$	(T)	6	8
2	X1aa	BAR. 7 x $1\frac{1}{2}$	2 $0\frac{1}{2}$	(T)	6	5
1	X1ad	R. 12 $\frac{1}{2}$ x 1 $\frac{1}{2}$	1 4	(T)	6	16
1	X1ag	R. 24 x $1\frac{1}{2}$	2 $6\frac{1}{2}$	(T)	6	3
2	X1ah	R. 11 x $1\frac{1}{2}$	2 $6\frac{1}{2}$	(T)	6	2
1	X2f	BAR. 8 x $\frac{3}{4}$	3 $8\frac{1}{2}$		7	3
1	X1aK	BAR. 7 x $\frac{3}{4}$	3 8		7	4
1	X4aa	BAR. 7 $\frac{1}{2}$ x $\frac{3}{8}$	3 $6\frac{3}{4}$		7	8
3	X4m	BAR. 7 $\frac{1}{2}$ x $\frac{3}{8}$	3 $7\frac{3}{8}$		7	8
5	X5m	BAR. 5 x $\frac{3}{8}$	0 9		7	10
3	X5ab	WT 6 x 13	0 8		9	11
8	$\frac{3}{8}$ "	HS BOLTS	0 4	BOTT FLG	81	8
2	$\frac{3}{8}$ "	HS BOLTS	0 3	TOP FLG	81	6
10	WASH	FOR $\frac{3}{8}$ " BOLTS			81	11
12	$\frac{5}{8}$ "	HS. BOLTS	0 2	WEB	81	14
12	WASH	FOR $\frac{5}{8}$ " BOLTS			81	18

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

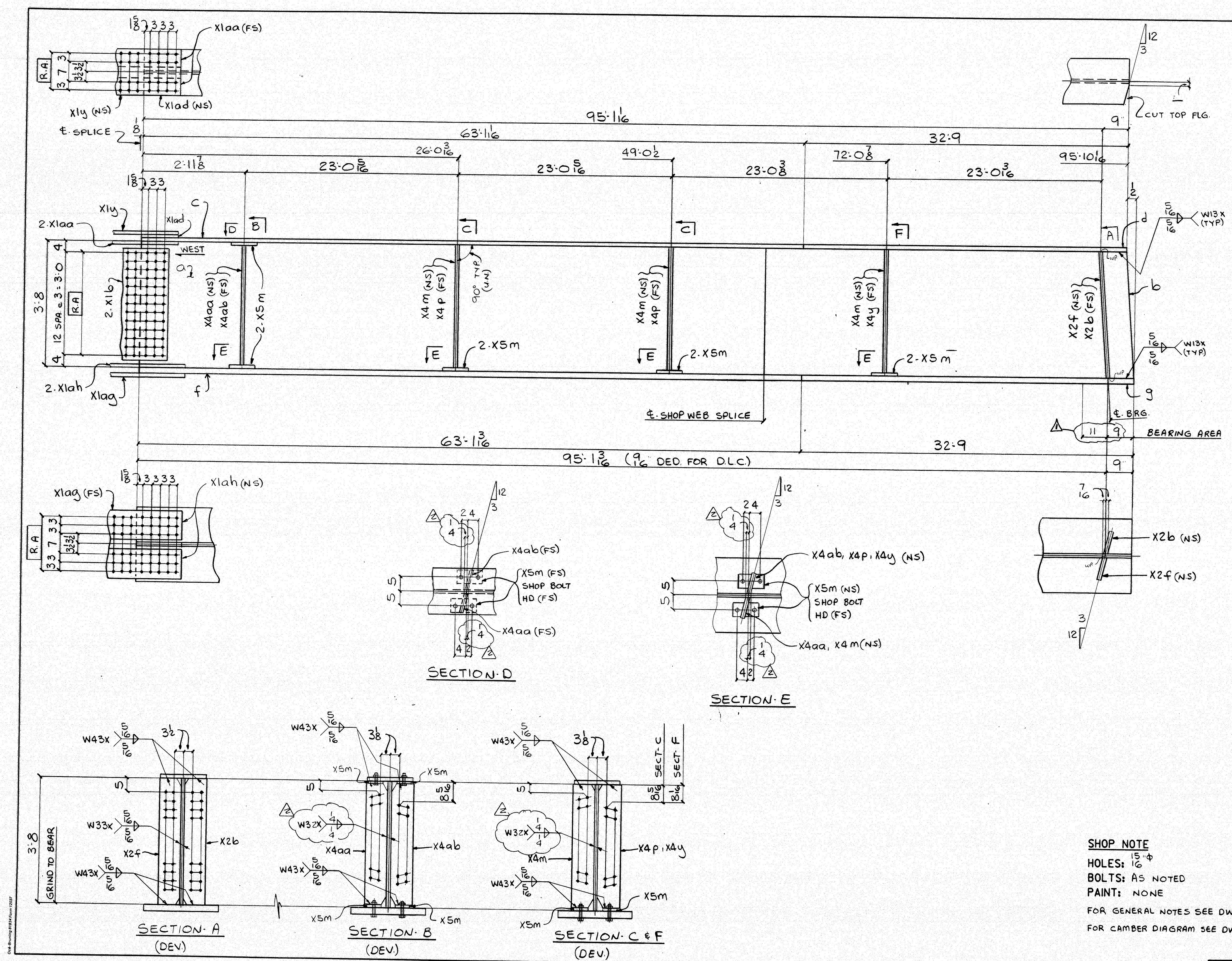
NOV 27 1995

☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

DATE: 11/27/95

DESIGN INFO	117-95	5/28/96
DESIGN INFO	3-25-96	
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC.		
1170 Hemlock Road Lewiston, ME 04205-0008 Phone 171/299-521		
A Division of High Industries, Inc.		
GIRDER - G11		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO., BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT OR REF. NO. BR-BRF-038-1 (35) PIN 2672.00		
CONTRACTOR REED & REED, INC.		
IN CHARGE LANCO (WC)	MADE DF	CHK'D BY: DWG DATE: 2-21-96
CONTRACT NUMBER ME-95393-1	DRAWING NUMBER 65 OF 77	

SHOP NOTE
HOLES: 15/16" (U.N.)
BOLTS: AS NOTED
PAINT: NONE
FOR GENERAL NOTES SEE DWG N1
FOR CAMBER DIAGRAM SEE DWG WC 3



BILL OF MATERIAL									
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP WEIGHT			
ONE	G21	GIRDER				22,961			
1	a	R 44 x 9 1/2	59 7 1/2	(T)		1 21			
1	b	R 44 x 9 1/2	36 3 3/4	(T)		1 22			
1	c	R 16 x 1	63 1 1/2	(T)		4 12			
1	d	R 16 x 1	32 9	(T)		4 14			
1	f	R 26 x 2 1/2	63 1 1/2	(T)		3 8			
1	g	R 26 x 2 1/2	32 9	(T)		3 18			
2	x1b	R 39 x 1/2	1 6 1/2	(T)		6 10			
1	x1y	R 16 x 1 1/2	2 0 1/2	(T)		6 8			
2	x1aa	BAR 7 x 1 1/2	2 0 1/2	(T)		6 5			
1	x1ad	R 12 1/2 x 1 1/2	1 4			6 16			
1	x1ag	R 24 x 1 1/2	2 6 1/2	(T)		6 3			
2	x1ah	R 11 x 1 1/2	2 6 1/2	(T)		6 2			
1	x2f	BAR 8 x 3/4	3 8 3/2			7 3			
1	x2b	BAR 8 x 3/4	3 8 3/2			7 3			
1	x4aa	BAR 7 1/2 x 1 1/2	3 6 3/4			7 1/2			
1	x4ab	BAR 7 1/2 x 1 1/2	3 6 3/4			7 1/2			
3	x4m	BAR 7 1/2 x 1 1/2	3 7 1/2			7 1/2			
2	x4p	BAR 7 1/2 x 1 1/2	3 7 1/2			7 1/2			
1	x4y	BAR 7 1/2 x 1 1/2	3 7 1/2			7 1/2			
10	x5m	BAR 5 x 3/8	0 9			1 10			
16	3/4"	HS BOLTS	0 4	BOTT FLG		81 8			
4	3/4"	HS BOLTS	0 3	TOP FLG		81 6			
20		WASH FOR 3/4" BOLTS				81 11			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
REVISION REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

DESIGN INFO	117-96	5/28/96
DESIGN INFO	3-25-96	3-25-96
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC.		
1770 Hempstead Road Lancaster, PA 17605-0008 Phone 717/299-5251		
A Division of High Industries, Inc.		
GIRDER - G21		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO., BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT OR REF. NO. BR-BRF-038-1 (35) PIN 2672.00		
CONTRACTOR REED & REED, INC.		
IN CHARGE Lanco (WC)	MADE BY DF	CHK'D BY DWG DATE: 2-21-96
CONTRACT NUMBER ME-95393-1	DRAWING NUMBER 66 OF 77	

SHOP NOTE
HOLES: 1 1/2"
BOLTS: AS NOTED
PAINT: NONE
FOR GENERAL NOTES SEE DWG N1
FOR CAMBER DIAGRAM SEE DWG WC3

CODE: 30