

LINE	SHIP NO	NO	SHAPE	LENGTH	PC	REMARKS	ITEM NO	TOTAL WEIGHT	UNIT PRICE
1									
2									
3			ONE LOWER CHORD-1006			(LI-L3) W (AS SHOWN)			
4			ONE LOWER CHORD-1006			(LI-L3) E (OPR HAND)			
5									
6		2	# 28 x 1/6	14 7/8	X1	M.I.E	2402	59	9764
7		2	# 20 x 3/8	74 7/8	X2	M.I.E	2403	59	3804
8		2	# 20 x 3/8	74 7/8	X3	M.I.E	2403	59	3772
9		12	# 19 1/2 x 3/8	2 4	X4		2424	59	701
10		16	BAR 5 3/4 x 3/8	0 3/2	X5		2426	59	125
11		2	# 66 1/2 x 7/8	0 1/2	X6	M.I.E	2406	61	837
12		2	# 59 1/2 x 7/8	0 6/8	X7	M.I.E	2407	61	1328
13		2	# 37 x 1	4 1/2	X8	F.A.	2427	59	1093
14		2	# 66 1/2 x 7/8	0 3/4	X9	M.I.E	2406	61	892
15		2	# 59 1/2 x 7/8	0 5/8	X10	M.I.E	2407	61	1328
16		4	# 8 x 6 1/2 x 3/4	2 9	X11	SEE DETAIL	2410		
17		4	# 8 x 6 1/2 x 3/4	2 9	X12	SEE DETAIL	2410		
18		2	# 4 x 4 x 3/8	1 9	X12		2413	59	38
19		4	# 4 x 4 x 3/8	1 3	X13		2420	59	65
20		4	# 4 x 4 x 3/8	1 6 1/2	X14		2427	59	60
21		24	# 6 x 4 x 1/2	3 1/2	X15	M.I.E	2408	59	1535
22		4	# 2 1/2 x 3/4	3 1/2	X16	M.I.E	2411	59	826
23		4	# 8 x 6 1/2 x 3/4	1 7	X17		2409	59	214
24		4	FILLS 8 x 7/8	1 3/4	X18	M.I.E	2411	59	27
25		2	# 2 1/2 x 3/4	3 1/2	X19	M.I.E	2411	59	423
26		4	# 2 1/2 x 3/4	0 1 1/2	X20	M.I.E	2411	59	87
27		2	# 7 x 1/8	1	X21				7
28		2	# 7 x 1/8	1	X22				10
29		4	# 2 1/2 x 3/4	3 1/2	X23		2415	59	524
30		2	# 6 x 4 x 3/8	1 9	X24		2416	59	43
31		2	# 4 x 4 x 3/8	1 1 1/2	X25		2417	59	38
32		2	# 2 5/8 x 3/8	3 6 1/2	X26		2418	59	227
33		2	FILL 12 x 1/8	1 6	X27		2421	59	46
34		2	FILL 9 x 3/8	1 0	X28		2424	59	23
35		2	# 28 x 1/6	74 7/8	X29	M.I.E	2402	59	9764
36									
37									
38									
39									
40		2	1/4 ALO	34 6					12
41									
42			28 1/2 RIV.			FOR W			55
43			41 1/2 RIV.			FOR E			Do
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MINN. PROJ. NO I-1635W-3 (SB) 112
 STATE PROJ. NO 2783-93408 (TH35W-394)

HAMMOND FAB DIV-10

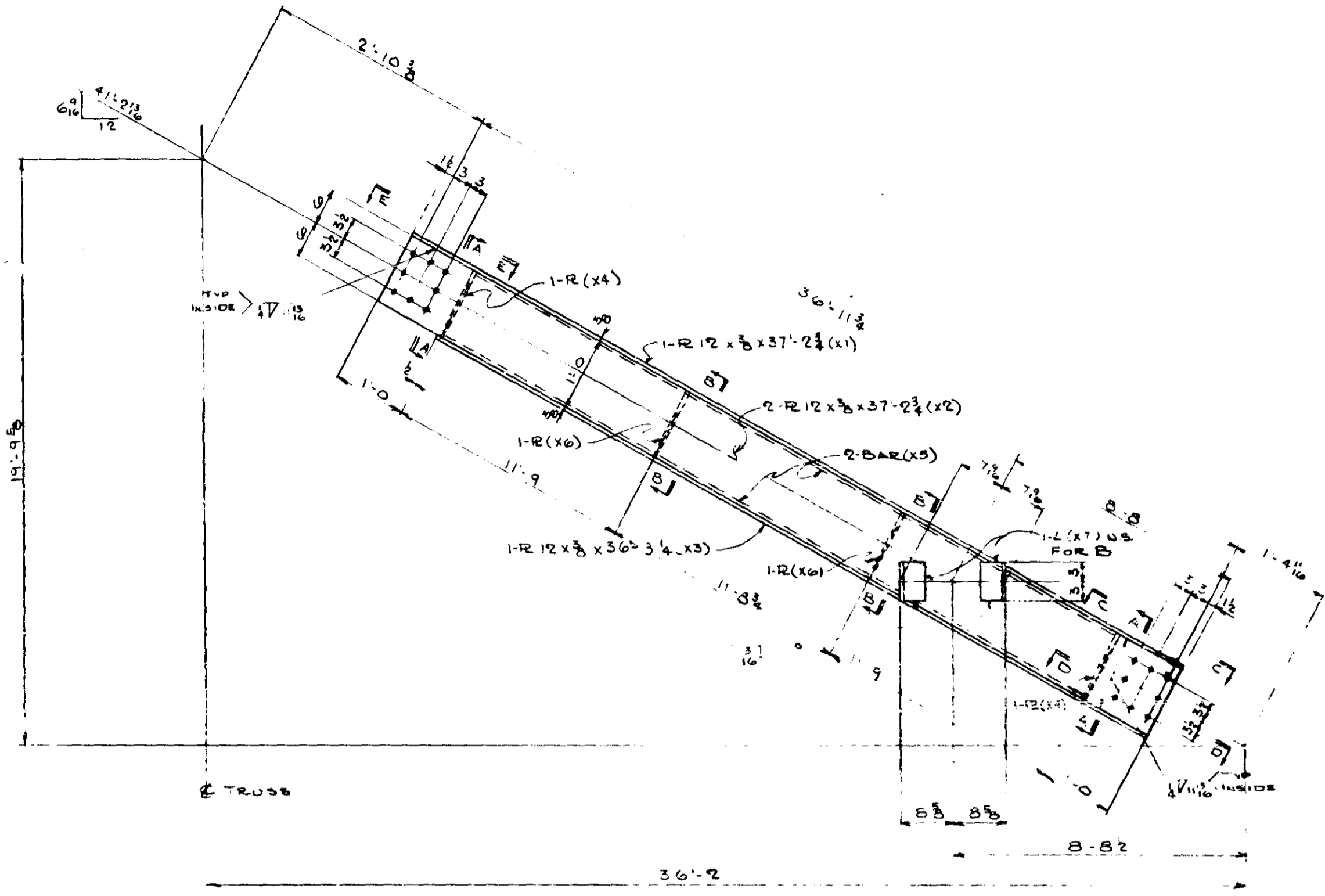
NOTES:
 FOR GEN. NOTES - SEE SH. GNI
 FOR MAT'L SPECS - SEE B/M
 FOR INSPECTION OF WELDS SEE NOTE ON SH. GNI

OPEN HOLES	1/2 U.N.	RIVETS & BOLTS	1" P	PAINT	Yes-See SH-GNI
DRAWN BY	FF	DATE	2/26/66	CHECKED BY	H.M.H.
DATE		DATE	2-25-66		

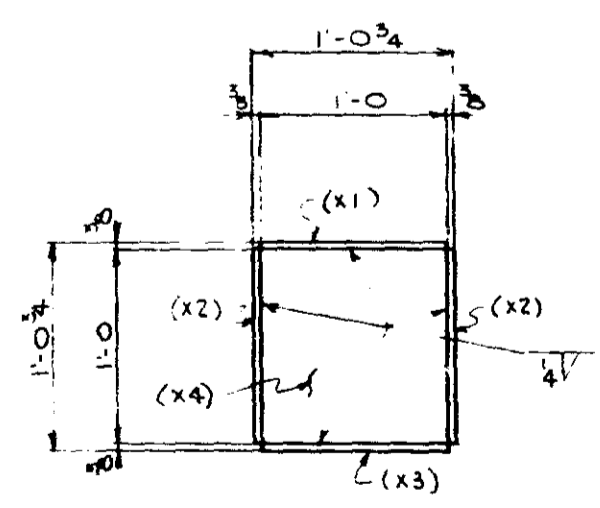
ALLIED STRUCTURAL STEEL COMPANY
 ENGINEERS
 FABRICATORS
 ERECTORS

DETAILS OF LOWER CHORD (LI-L3)
 STRUCTURE BRIDGE NO 9340
 LOCATION MINNEAPOLIS, MINNESOTA
 OWNER MINNESOTA STATE HWY DEPT
 CUSTOMER MINNESOTA STATE HWY DEPT

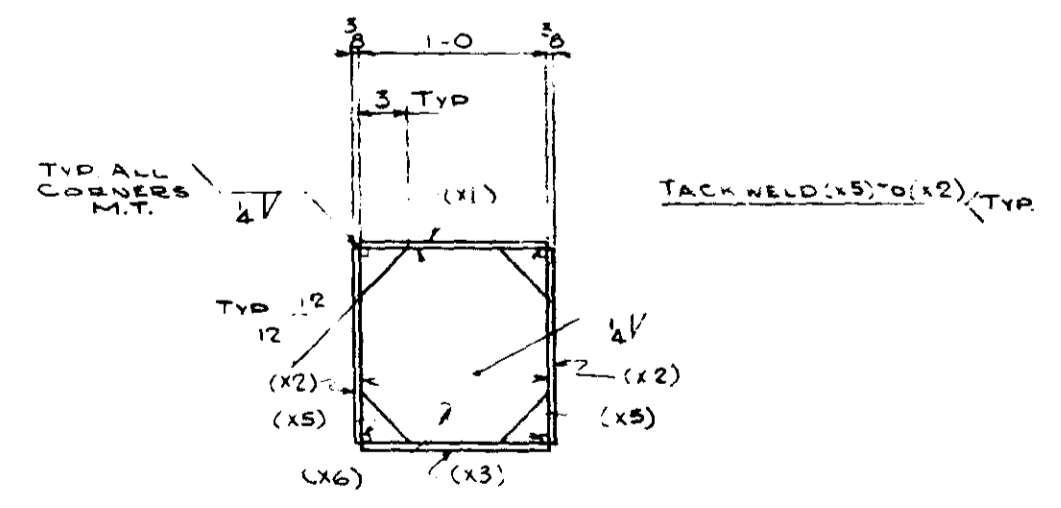
CONTRACT 3142 FABCO 215 SHEET 1006C



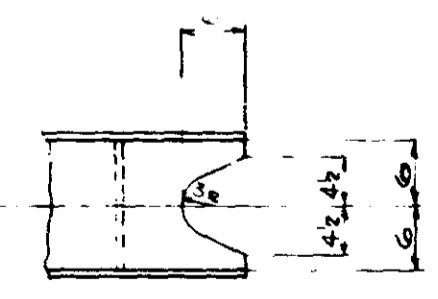
2 BRACING-007A
 ONE BRACING-1007B
 ONE DO 1007B



SECTION A-A



SECTION B-B



SECTION C-C
 SECTION D-D
 SECTION E-E (OPP. HAND)

FAMMOND FAB

SHOONOTE:
 FOR GEN NOTES SEE GNI
 FOR MATL SPECS SEE
 BILL MATL
 FOR INSPECTION OF WELDS SEE
 NOTE ON SHT GNI

MINN PROJ. NO. I-IG35W-5/58)112
 STATE PROJ. NO. 2783-9340B
 (TH35W-394)

DIV	ITEM	SHIP	NO	SHAPE	LENGTH	PC	REMARKS	ITEM	TOTAL	
		NO	REQD			NO		NO	WEIGHT	
									(LBS)	(LBS)
10	14									
	1									
	2									
	3									
11	4	1007A	2	BRACING						
	5	2	R 12 x 8	37 2 1/2	X1		2720	59	1139	3306
	6	4	R 12 x 8	37 2 1/2	X2		2719		2278	
	7	2	R 12 x 8	36 3/4	X3		2721		1110	
	8	4	R 12 x 8	1 0	X4		2722		61	
	9	8	BAR 3/4 x 3/8	35 2 1/2	X5		2725		135	
	10	4	R 12 x 8	1 0	X6		2722	59	61	3306
	11	2	F.W. 1/2	165 0						
	12									
	13									
	14									
	15									
1	16	1007B	ONE	BRACE						
	17	1007B	ONE	DO						
	18	2	R 12		X1		2720	59	1139	3306
	19	4	R 12		X2		2719		2278	
	20	2	R 12		X3		2721		1110	
	21	4	R 12		X4		2722		61	
	22	8	BAR		X5		2725		135	
	23	4	R 12		X6		2722		61	
	24	4	LS 4x4x3/8	0 6	X7		2805	59	20	3306
	25	2	F.W. 1/2	165 0						
	26	2	F.W. 1/2	3 4						
	27									
	28									
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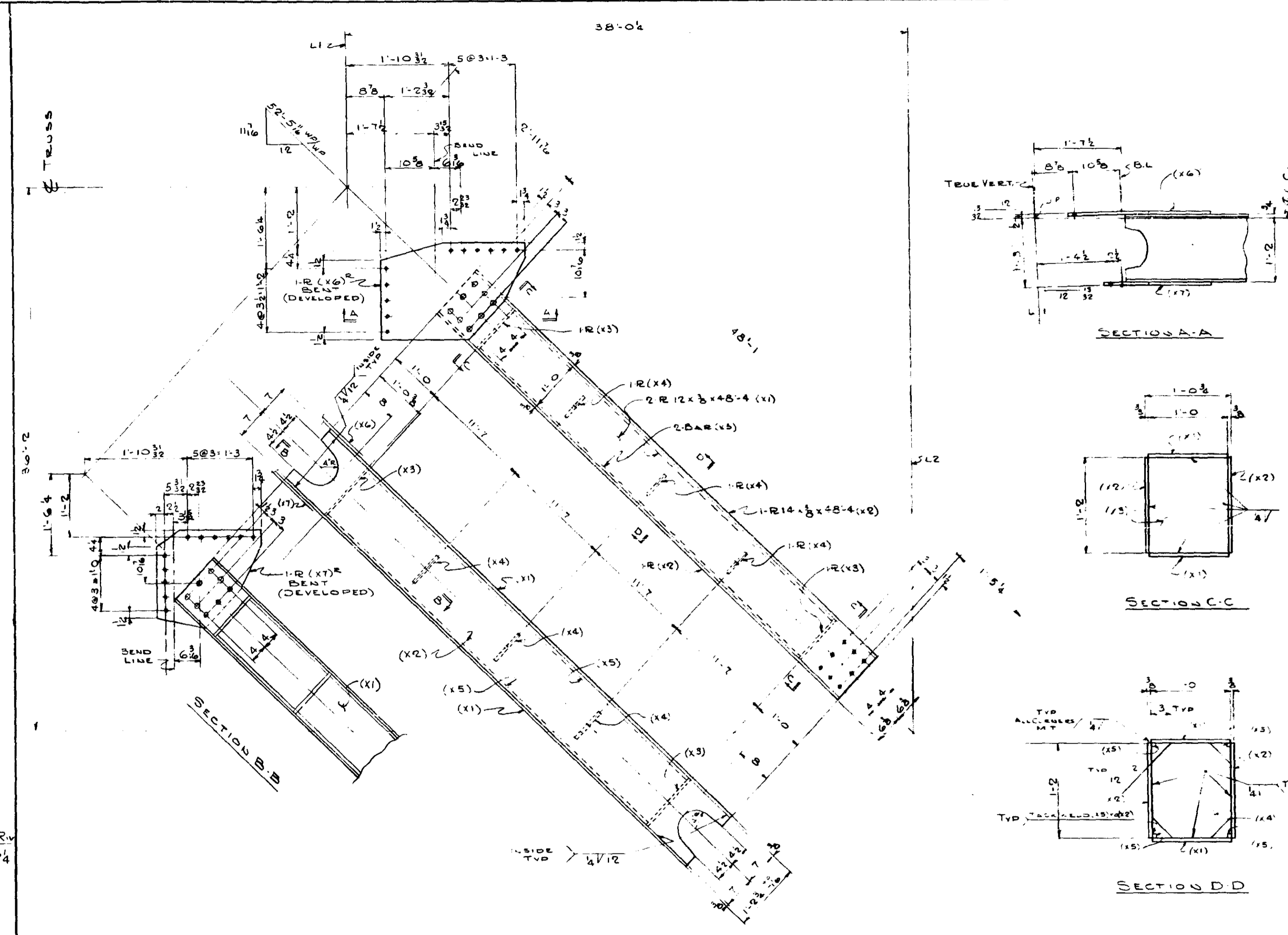
BIG ITEM 59 9588

ALLIED STRUCTURAL STEEL COMPANY
 1000 10TH STREET S.W. MINNEAPOLIS, MINN. 55415

DETAILS OF SWAY FRAME BRACING @ LIE L21
 STRUCTURE BRIDGE N9340
 LOCATION MINNEAPOLIS, MINNESOTA
 OWNER MINNESOTA STATE HWY DEPT
 CUSTOMER MINNESOTA STATE HWY DEPT

REF: E 10 E 15
 OPEN HOLES 15" RIVETS & BOLTS PAINT YES SEE SHT GNI
 DRAWN BY MIA DATE 2-9-60 CHECKED BY SN DATE
 REVISIONS

CONTRACT 3142 FABCOD 264 SHEET 1007



ITEM NO.	SHIP MK	NO REG	SHAPE	LENGTH	PC MK	REMARKS	ITEM NO.	TOTAL WEIGHT
1								
2								
3								
4	1008A	ONE	BOTTOM CHORD DIAGONAL					
5	1008A	ONE	Do					
6	4	R 12 x 3/8	48 4 X1			2614	59	2958
7	4	R 14 x 3/8	48 4 X2			2614	59	3451
8	4	R 12 x 3/8	1 2 X3			2614	59	71
9	6	R 12 x 3/8	1 2 X4			2614	59	107
10	8	BAR 3/8 x 3/8	46 3/4 X5			2617	59	178
11	2	R 21 1/2 x 3/8	2 10 1/2 X6			2620	59	196
12	2	R 21 1/2 x 3/8	2 10 1/2 X7			2620	59	111
13	32	3/8" RIV						NC
14	4	FW 1/4"	26 0					NC
15								
16								
17								
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32-8"x24

ONE BOTTOM CHORD DIAGONALS - 1008A^R
ONE do do do - 1008A^L

S-O-P NOTE:
FOR GEN NOTES SEE GNI
FOR MAT'L SPECS. SEE BILL OF MAT'L
FOR INSPECTION OF WELD SEE NOTE ON SHT GNI
MINN. PRO. NO 11635W-3/58, 112
STATE PROJ. NO 2783-9340B
(TH35W-394)

ALLIED STRUCTURAL STEEL COMPANY
ENGINEERS FABRICATORS ERECTORS
1225 12TH STREET S.W. MINNEAPOLIS, MINN. 55402

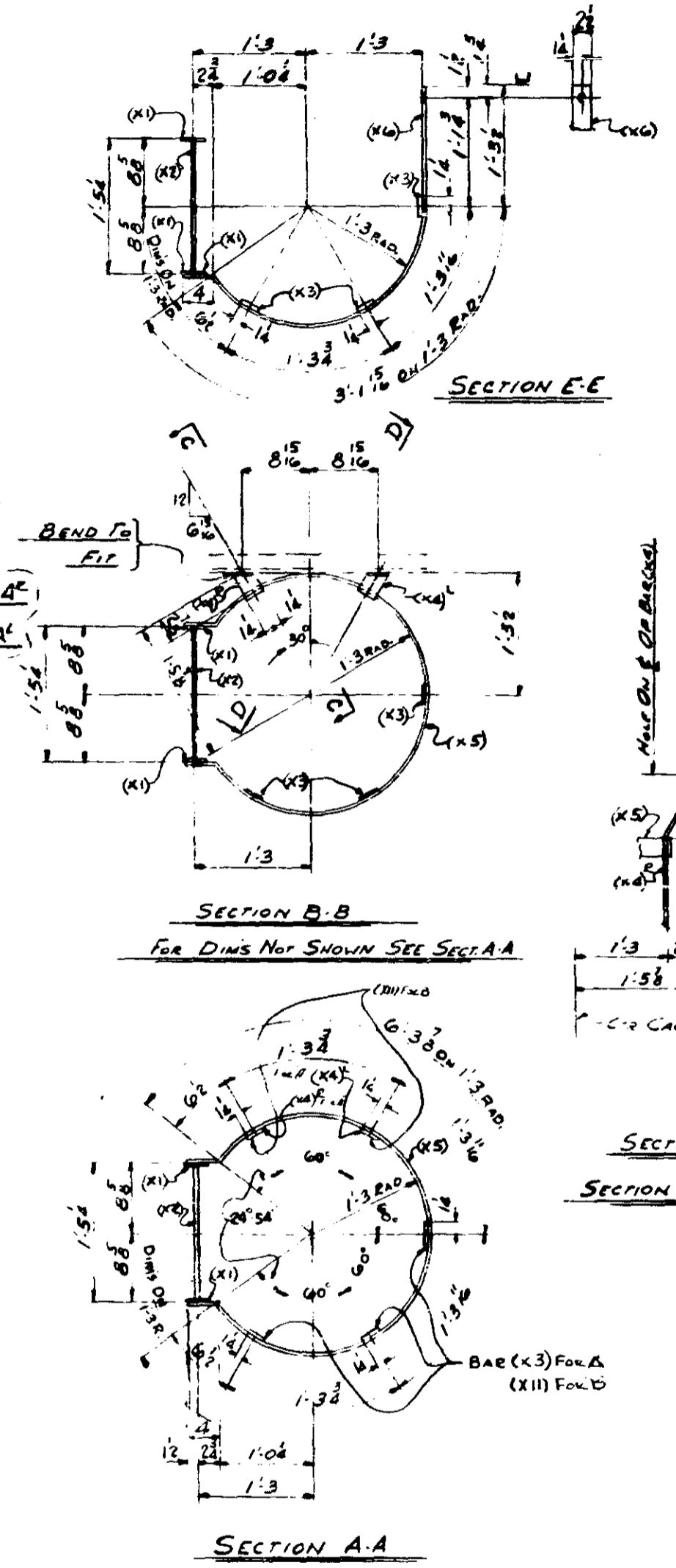
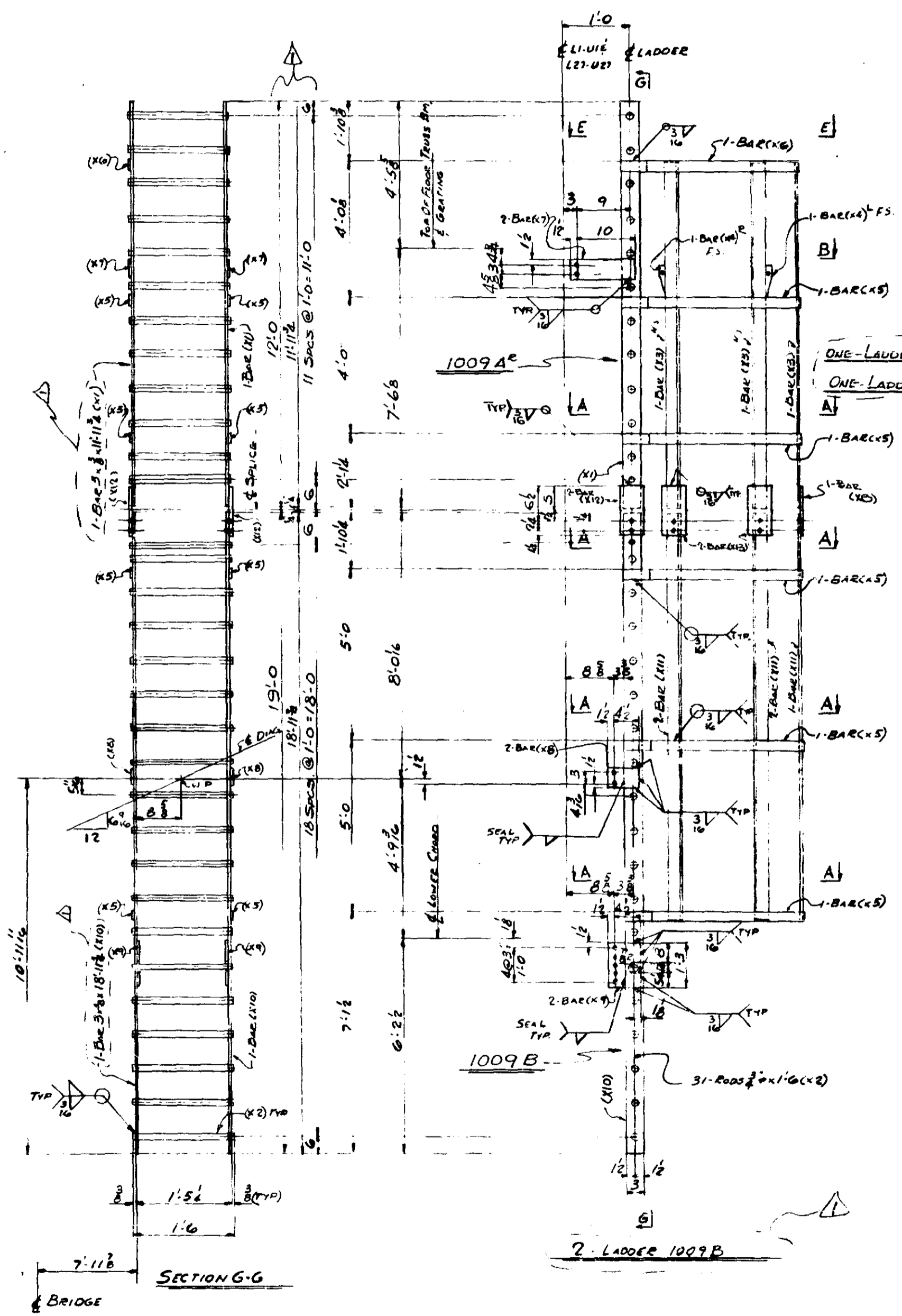
DETAILS OF BOTTOM CHORD LATERAL DIAGONAL L-12
STRUCTURE BRIDGE NO 9340
LOCATION MINNEAPOLIS, MINNESOTA
OWNER MINNESOTA STATE HWY DEPT.
CUSTOMER MINNESOTA STATE HWY DEPT.

CONTRACT 3142 FABCOD 264 SHEET 1008

OPEN HOLES 15" RIVETS & BOLTS 7" PAINT YES SEE SHT GNI
DRAWN BY *Ma* DATE 1-28-66 CHECKED BY GN DATE

REVISIONS

△	△	△	△
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NOTES:
 FOR GEN. NOTES SEE SH. G-1
 MATL. SPEC'S. SEE BILL OF MATL.
 LADDERS 1009A TO BE HOT DIPPED GALVANIZED
 AFTER FABRICATION PER M. H. D. 3394

LINE NO.	QTY	SHAPE	LENGTH	PC NO.	REMARKS	ITEM NO.	TOTAL WEIGHT	M. H. D. NO.
1	1	1009A ONE LADDER						
2	1	1009B ONE LADDER						
3	4	BAR 3 X 8	11 11/2	X1		2802	59	184
4	28	RODS 3/4	1 6	X2		2803	59	54
5	6	BAR 2 1/2 X 3	10 1	X3		2804	59	193
6	4	BAR 2 X 3	7 0	X4	(BENT)	2805	59	89
7	1	BAR 2 X 3	7 0	X5	ON 1-3/8 DIA. ROD	2806	59	90
8	2	BAR 2 1/2 X 3	4 9 1/2	X6	ON 1-3/8 DIA. ROD	2807	59	31
9	4	BAR 3 X 8	0 10	X7		2808	59	29
10	10	BAR 3 X 8	0 10	X8		2809	59	15
11	2	1/2 WLD	48 0			2810	59	32
12								NC
13								
14								
15								
16								
17								
18								
19	2	BAR 3 X 8	18 11/2	X10		2811	59	140
20	38	RODS	1 6	X11		2812	59	86
21	6	BAR	10 1	X12		2813	59	90
22	4	BAR 2 X 3	0 6	X13		2814	59	15
23	2	BAR 2 X 3	1 3	X14		2815	59	38
24	2	1/2 WLD	16 6			2816	59	NC
25	10	BAR 2 X 3	12 0 1/2			2817	59	384
26								
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ALLIED STRUCTURAL STEEL COMPANY
 1415 TENTH STREET, HANCOCK, INDIANA 46043

DETAILS OF LADDERS @ L1 & L27
 STRUCTURE: BRIDGE NE 9340
 LOCATION: MINNEAPOLIS, MINNESOTA
 OWNER: MINNESOTA STATE HWY. DEPT.
 CUSTOMER: MINNESOTA STATE HWY. DEPT.

MINN. PROJ. NO. I-1635W-3(50)112
 STATE PROJ. NO. 2125-9248(1)35W-374

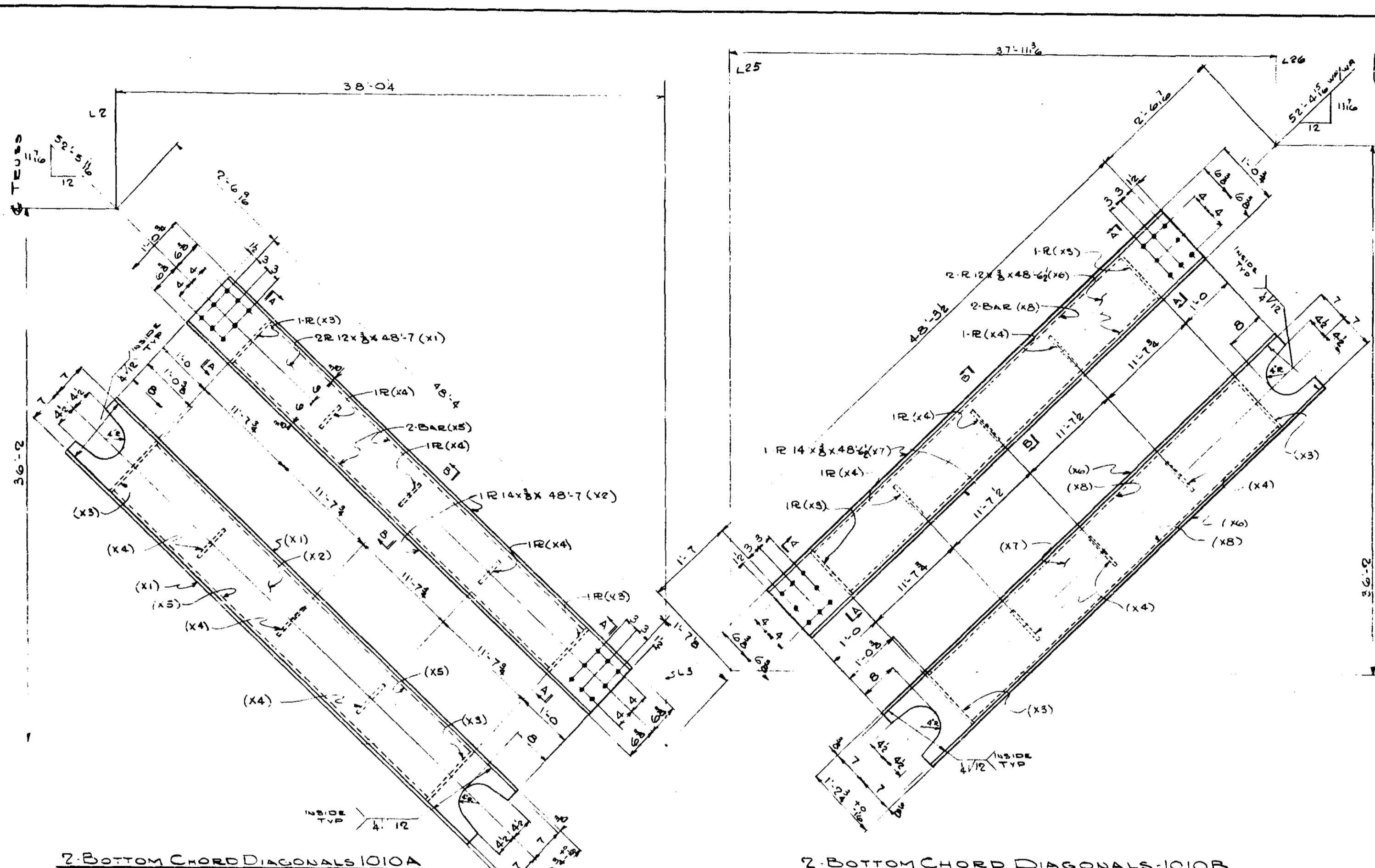
DIVISION 10414
 CLINTON FAB.

OPEN HOLES: 13/16" RIVETS & BOLTS: NONE PAINT: SEE NOTES

DRAWN BY: L.O. DATE: 1-26-66 CHECKED BY: K.L.K. DATE: 2-18-66

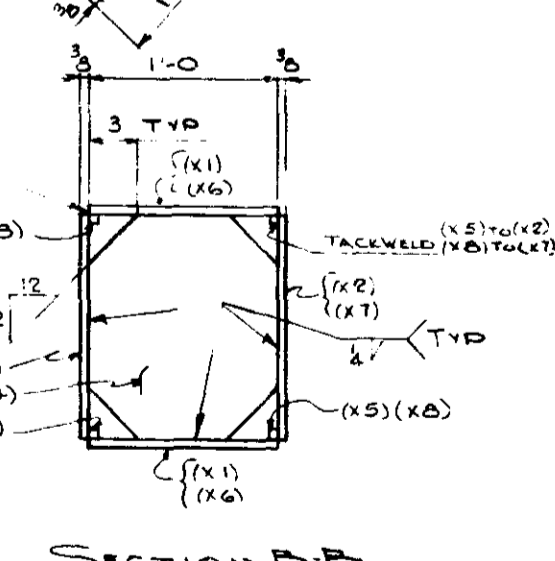
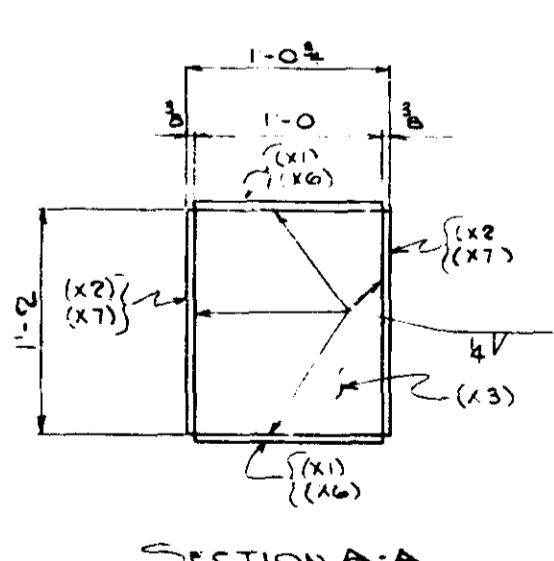
REVISIONS: [Diagrams showing changes]

CONTRACT 3142 FACOD 945 SHEET 1009



2-BOTTOM CHORD DIAGONALS 1010A

2-BOTTOM CHORD DIAGONALS 1010B



SHOP NOTE:
FOR GEN NOTES
SEE GNI
FOR MAT'L SPECS
SEE BILL MAT'L
FOR INSPECTIONS OF WELDS SEE
NOTE ON SHT GNI
MINN. PROJ. NO. I.G. 35W-3/58)112
STATE PROJ. NO. 2783-2940B
(TH35W394)

NO.	QTY	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	TOTAL WEIGHT	MARKS
1								
2								
3	2	BOTTOM CHORD DIAGONALS						
4	4	R 12 x 3/8	48.7	X1		2618	59	2973
5	4	R 14 x 3/8	48.7	X2		2618	59	3469
6	4	R 12 x 3/8	1.2	X3		2616	59	71
7	6	R 12 x 3/8	1.2	X4		2616	59	107
8	8	BAR 3/8 x 3/8	46.64	X5		2617	59	179
9	2	F.W. 4	217.0					NC
10								
11								
12								
13								
14	2	BOTTOM CHORD DIAGONALS						
15	4	R 12 x 3/8	48.62	X6		2614	59	2971
16	4	R 14 x 3/8	48.62	X7		2615	59	3466
17	4	R		X3		2616	59	71
18	6	R		X4		2616	59	107
19	8	BAR 3/8 x 3/8	46.53	X5		2617	59	178
20	2	F.W. 4	217.0					NC
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ALLIED STRUCTURAL STEEL COMPANY
ENGINEERS, FABRICATORS, ERECTORS
1025 15TH STREET, HAMMOND, INDIANA 46320

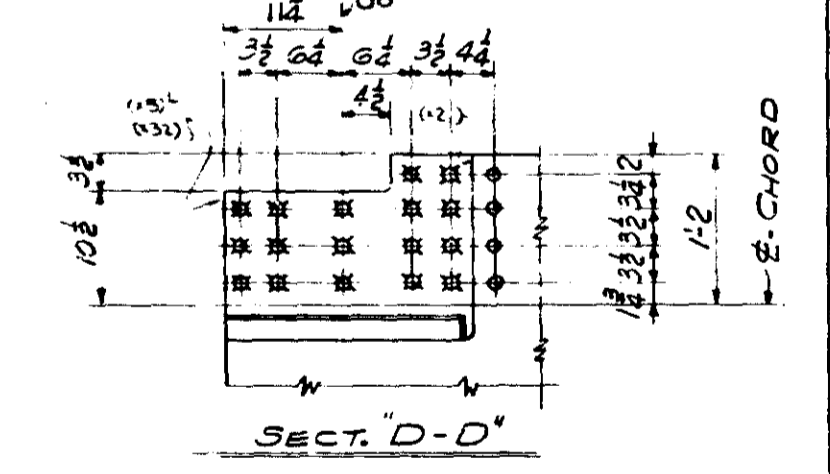
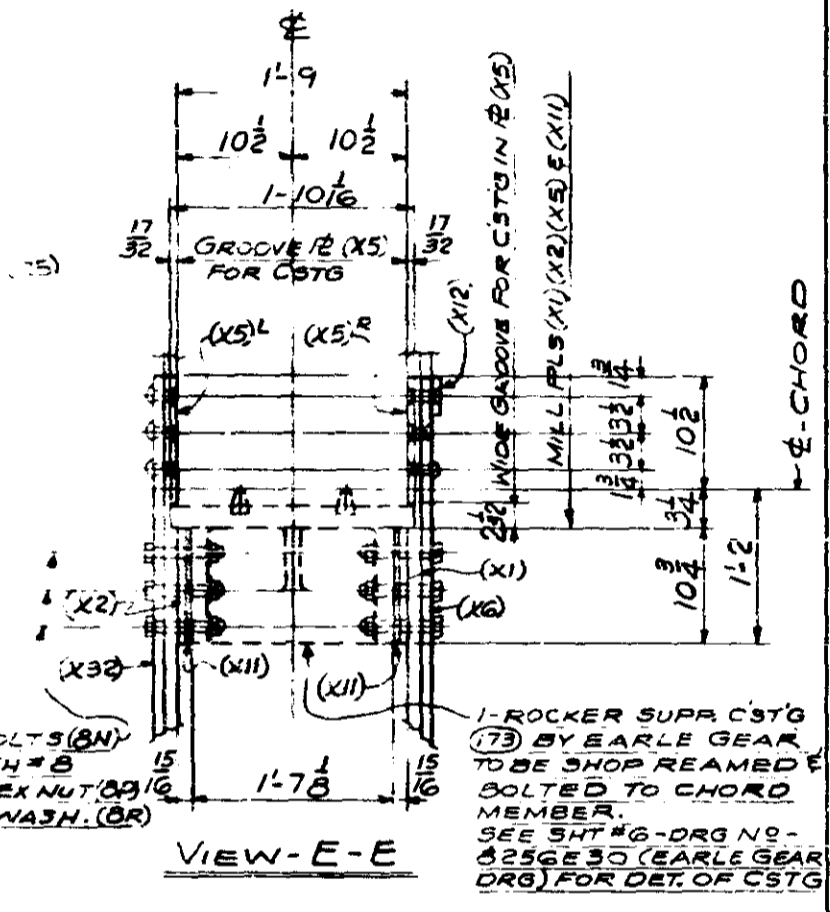
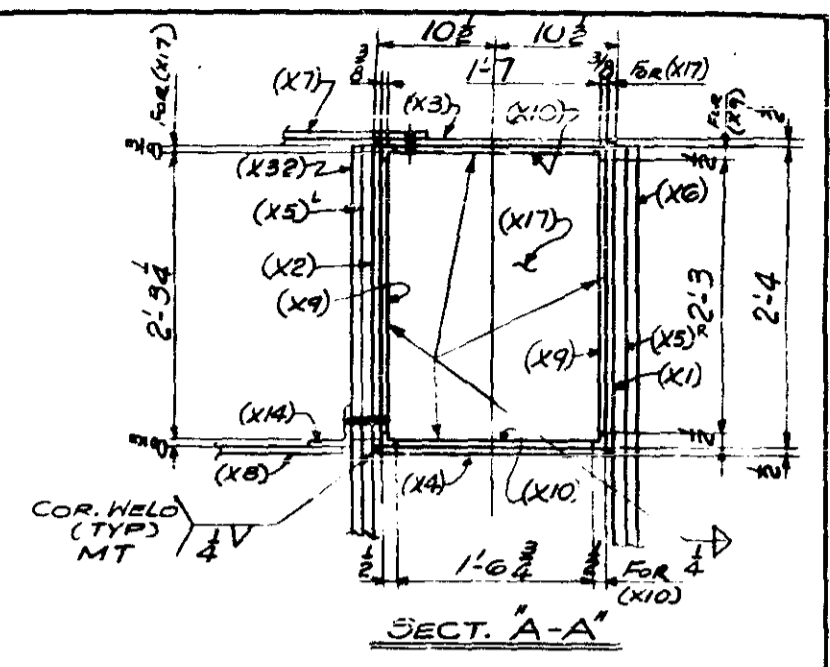
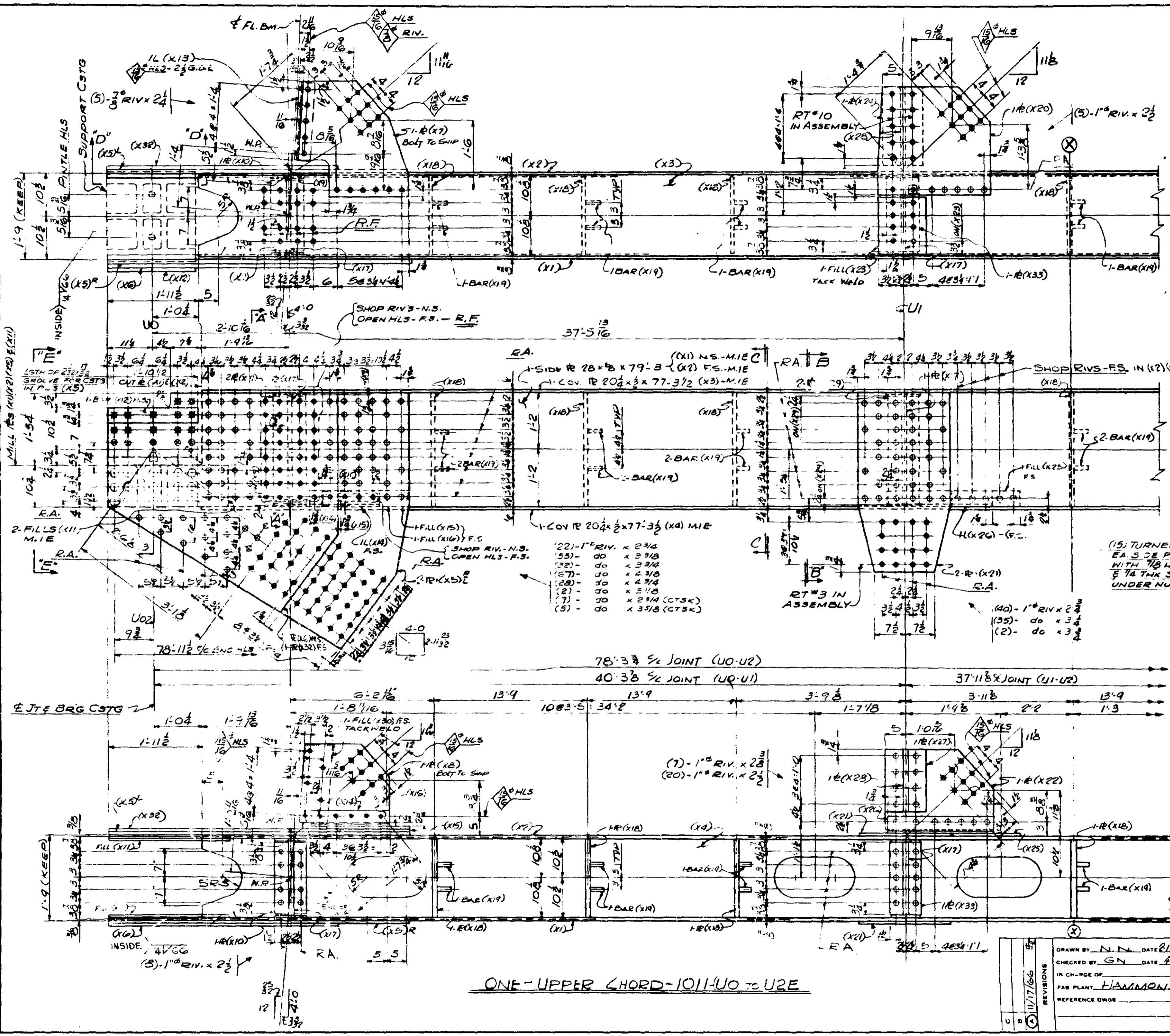
DETAILS OF BOTTOM CHORD LATERAL DIAGONALS
STRUCTURE: BRIDGE NO. 9340
LOCATION: MINNEAPOLIS, MINNESOTA
OWNER: MINNESOTA STATE HWY. DEPT.
CUSTOMER: MINNESOTA STATE HWY. DEPT.

HAMMOND FAB
OPEN HOLES: 15" RIVETS & BOLTS: YES SEE SHT GNI
DRAWN BY: MAA DATE: 1-29-66 CHECKED BY: GNI DATE: _____
REVISIONS:

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CONTRACT 3142 FABCOD 264 SHEET 1010

REF: E10 E15



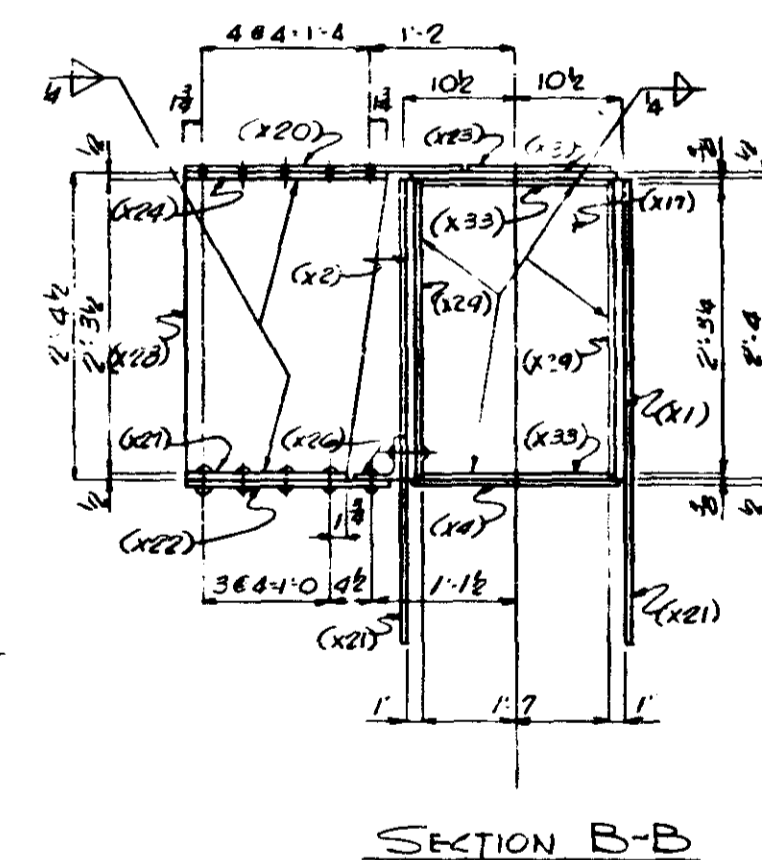
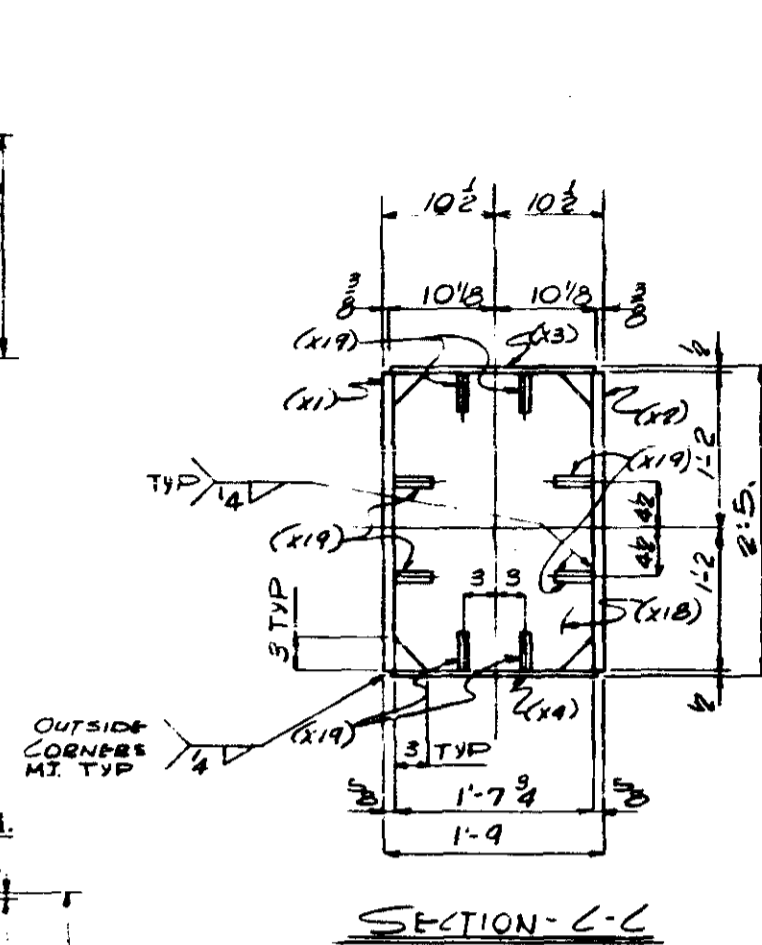
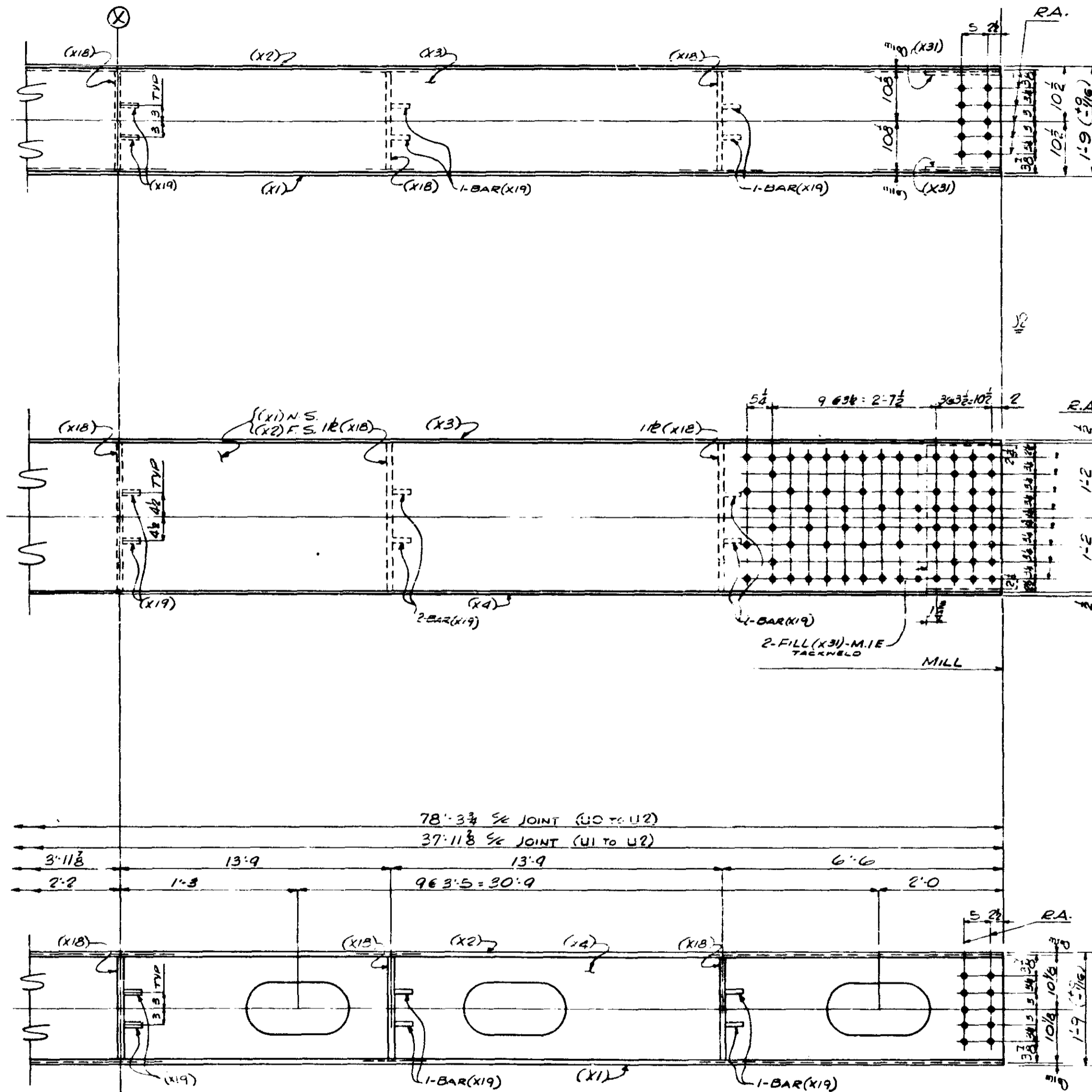
- (22)- 1" RIV. x 2 3/4
- (55)- do x 3 3/8
- (32)- do x 3 3/4
- (57)- do x 4 3/8
- (28)- do x 4 3/4
- (2)- do x 5 1/8
- (7)- do x 2 3/4 (CTS&K)
- (5)- do x 3 5/8 (CTS&K)

- (15)- TURNED BOLTS (BN) EA. 5 DE PER SH #8 WITH 7/8 HWY HEX NUT (02116) & 1/4 THK STL WASH. (OR) UNDER NUT
- (40)- 1" RIV x 2 3/4
- (35)- do x 3 3/4
- (2)- do x 3 3/4

MINN. PROJ. I-JG35W-3 (58) 112
STATE PROJ. 2783-9340 B (1135W-314)

ALLIED STRUCTURAL STEEL COMPANY	
DETAILS OF UPPER CHORD (U0-U2E)	
BRIDGE NO 9340	
LOCATION MINNEAPOLIS MINNESOTA	
OWNER MINNESOTA STATE HWY. DEPT.	
CONTRACT 3142	DIV. 10
FAB. CODE 215	SHEET 1011AB

NO.	DATE	REVISIONS
1	11/17/66	DRAWN BY N.N. DATE 2/16/66
2		CHECKED BY GN DATE 4/78
3		IN CHARGE OF FAB. PLANT HAMMOND
4		REFERENCE DWGS



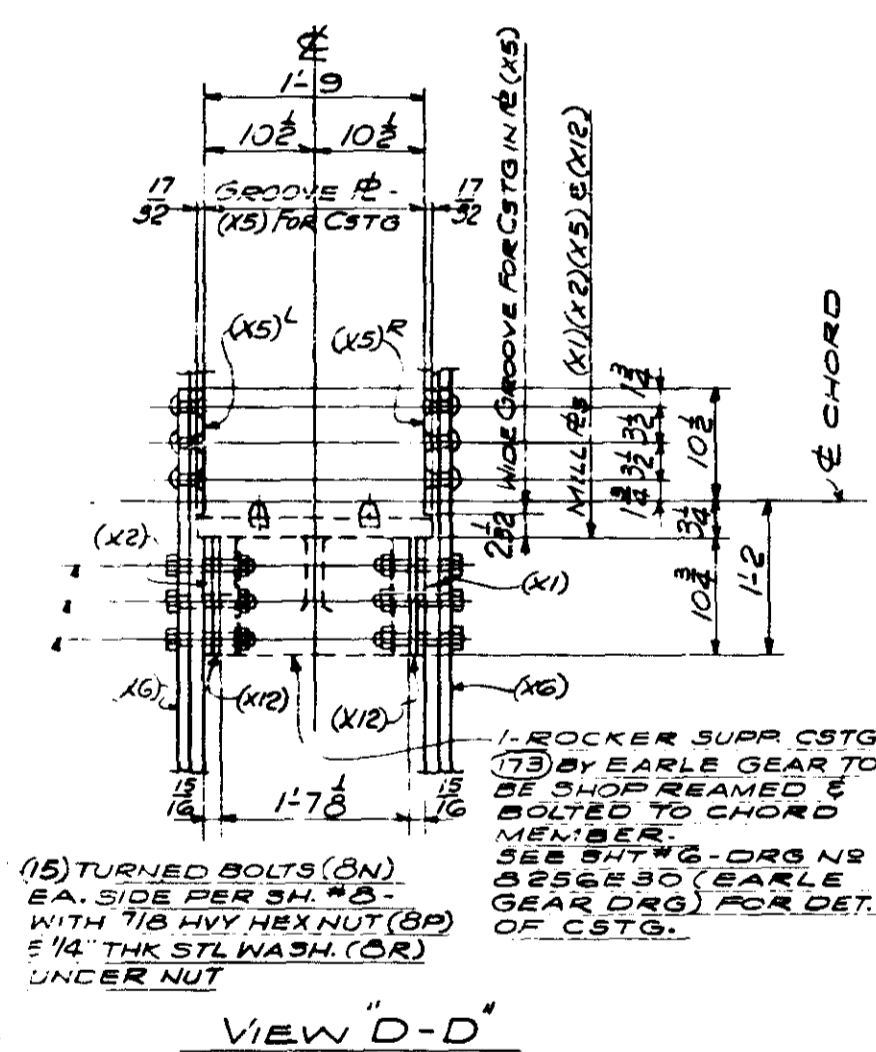
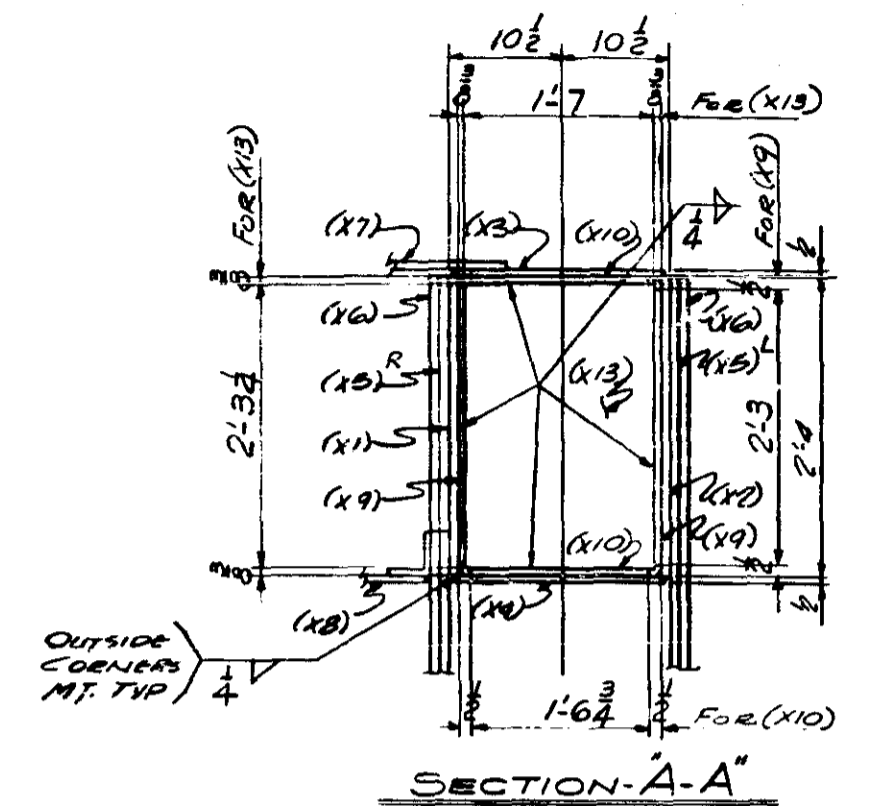
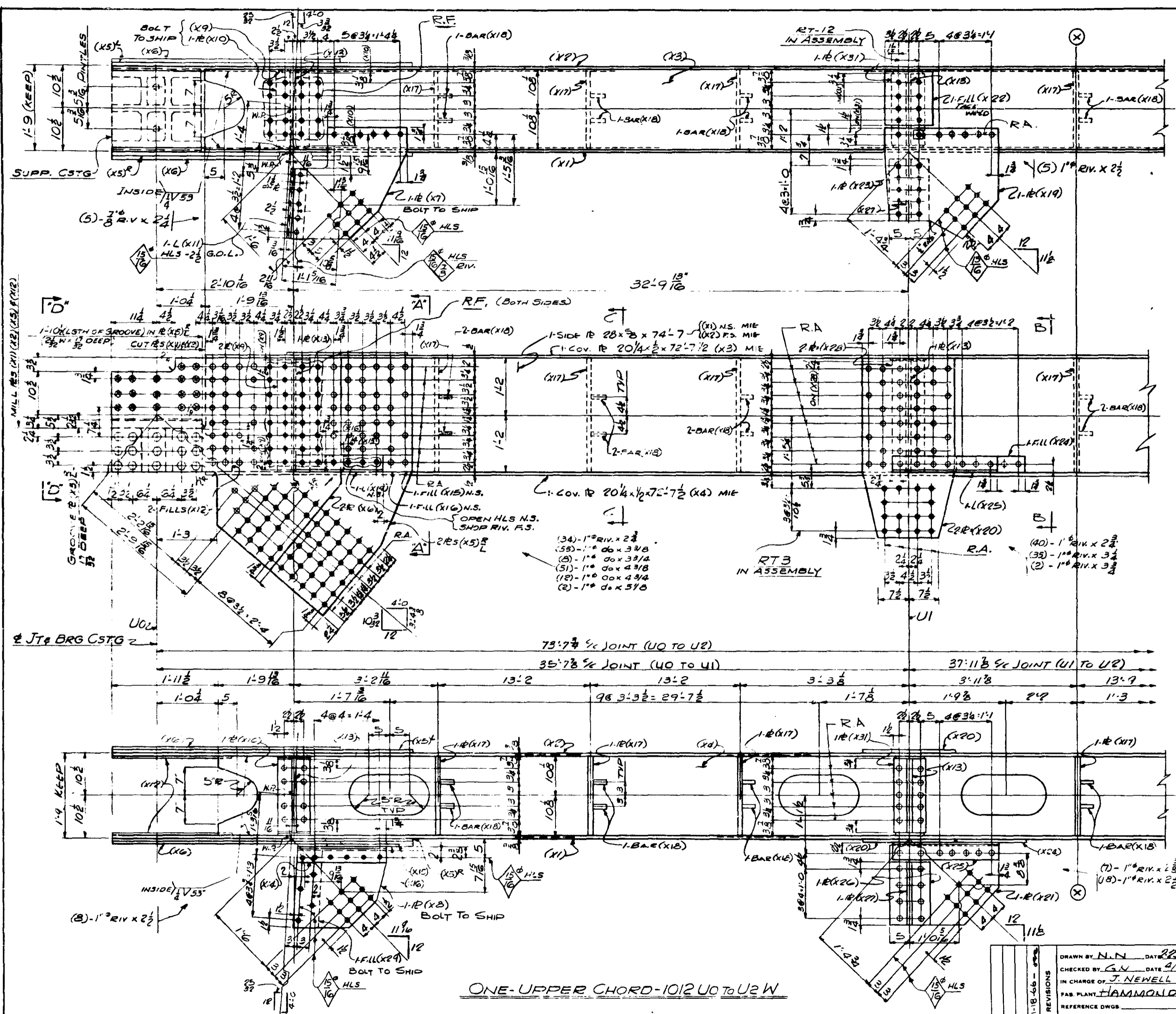
SHOP NOTE
 FOR GENERAL NOTES
 SEE SHT. GNI
 FOR MAT'L SPECS.
 SEE BILL OF MAT'L
 FOR INSPECTION OF WELD SEE
 NOTE ON SHT GNI

ITEM NO.	SHIP MK.	NO. REQ.	SHAPE	LENGTH	PC. MK.	REMARKS	ITEM NO.	BID ITEM	TOTAL WEIGHT	WHD SPECS.
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ALLIED STRUCTURAL STEEL COMPANY
 1000 - 10000 STATE ST. MINNEAPOLIS, MINN. 55404

MINN. PROJ. N° 1-16 35W-3(58)112
 STATE PROJ. N° 2183-9340 BCTH35W-394

Div. #10	DETAILS OF UPPER CHORD (UO TO U2) - EAST
HAMMOND FAB.	BRIDGE N° 9340
OPEN HOLES 1 1/2" UN. RIVETS & BOLTS 1" Φ PAINT YES SEE SHT. GNI	LOCATION MINNEAPOLIS, MINNESOTA
DRAWN BY N.N. DATE 2/11/66 CHECKED BY G.N. DATE 2/28	OWNER MINNESOTA STATE HWY. DEPT.
REVISIONS	CUSTOMER MINNESOTA STATE HWY. DEPT.
REVISIONS	CONTRACT 3142
REVISIONS	FABCOD 215
REVISIONS	SHEET 1011B



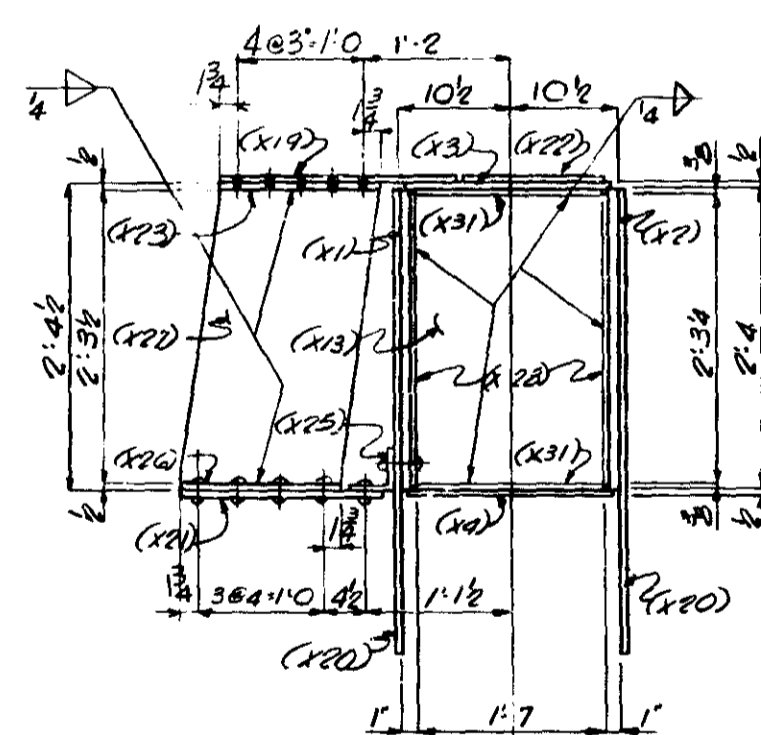
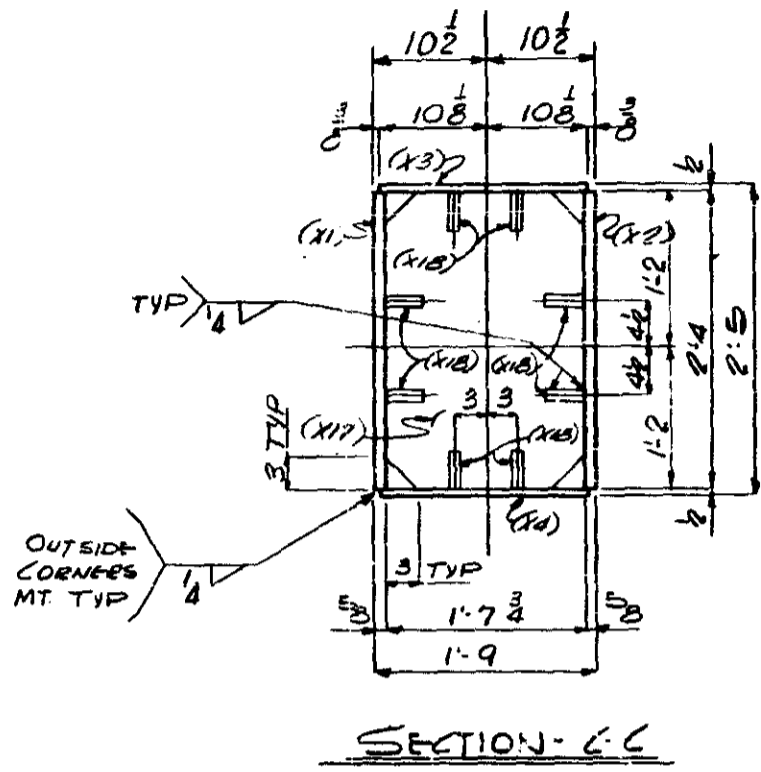
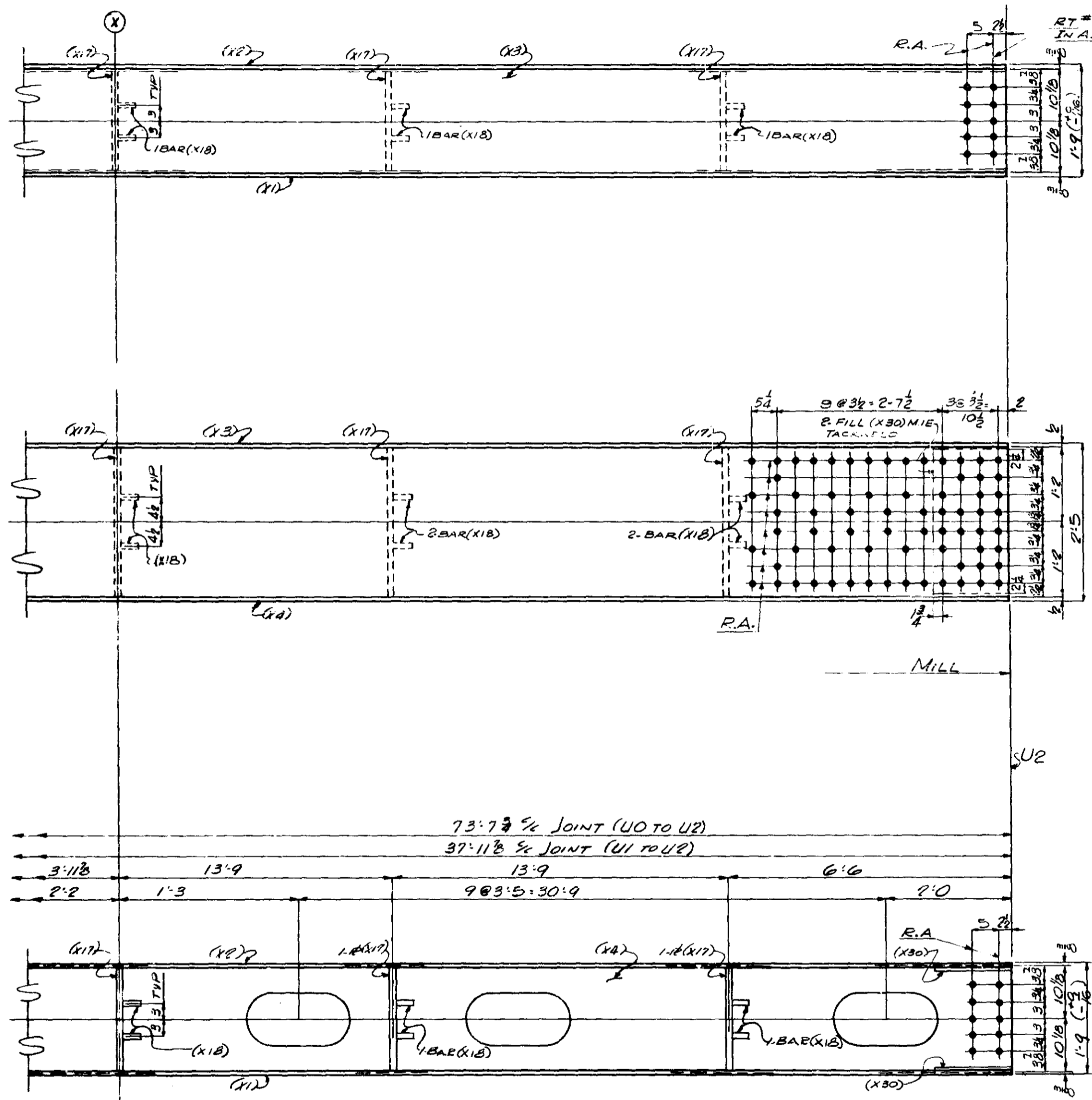
ONE-UPPER CHORD-1012 U0 TO U2 W

MINN PROJ I-IG35W-3(58)112
STATE PROJ 2783-93405 (TH35W-394)

ALLIED STRUCTURAL STEEL COMPANY
ENGINEERS ARCHITECTS CONTRACTORS

NO.	DATE	REVISIONS
0		
1	11-18-66	

DRAWN BY N.L.N. DATE 8/28/66	DETAILS OF UPPER CHORD (U0 TO U2) W
CHECKED BY G.V. DATE 9/28	BRIDGE NO 9340
IN CHARGE OF J. NEWELL	LOCATION MINNEAPOLIS MINNESOTA
FAB PLANT HAMMOND	OWNER MINNESOTA STATE HWY DEPT
REFERENCE DWGS	CONTRACT 3142 DIV. 10 FABCOD 215 SHEET 1012AB



SECTION B-B

SHOP NOTE
 FOR GENERAL NOTES
 SEE SHT. # GNI
 FOR MAT'L SPECS.
 SEE BILL OF MAT'L
 FOR INSPECTION OF WELD
 SEE NOTE ON SHT GNI

LINE	SHIP	NO	SHAPE	LENGTH	PC	REMARKS	ITEM	TOTAL	WHD
	MT	REQD			PK		NO.	WEIGHT	SPECS.
1									
2			UPPER CHORD	1012	40	U2 W			
3									
4									
5	1		R 28 x 3/8	74.7	X1	MIE	2501	59	4438
6	1		R 28 x 3/8	74.7	X2	MIE	2502	59	4438
7	1		R 20 1/2 x 1/2	72.7	X3	MIE	2503	59	2500
8	1		R 20 1/2 x 1/2	72.7	X4	MIE	2504	59	2500
9	2		R 6 3/8 x 1	6.3	X5		2520	60	2728
10	2		R 5 1/2 x 7/8	4.9	X6		2521	60	1971
11	1		R 28 x 3/8	2.5	X7		2601	59	86
12	1		R 15 1/2 x 3/8	1.1	X8		2602	59	46
13	2		R 8 x 3/8	2.3	X9		2615	59	46
14	2		R 8 x 3/8	1.6	X10		2516	59	32
15	1		L 4 x 4 x 3/8	1.5	X11		2527	59	19
16	2		FILLS 10 1/2 x 7/8	2.6	X12		2603	59	57
17	2		R 19 x 3/8	2.3	X13		2517	59	147
18	1		L 4 x 4 x 3/8	1.0	X14		2527	59	18
19	1		FILL 4 x 3/8	1.6	X15		2515	59	18
20	1		FILL 4 x 3/8	1.0	X16		2519	59	19
21	6		R 19 3/8 x 3/8	2.4	X17		2508	59	353
22	48		BARS 3/2 x 3/8	0.3	X18		2511	59	62
23	1		R 27 x 3/8	2.4	X19		2518	59	81
24	2		R 23 x 3/8	3.7	X20		2512	59	283
25	1		R 20 x 3/8	2.3	X21		2509	59	58
26	1		FILL 1 1/2 x 3/8	1.0	X22		2519	59	18
27	1		R 10 x 3/8	1.3	X23		2506	59	22
28	1		FILL 4 x 3/8	1.5	X24		2516	59	10
29	1		L 4 x 4 x 3/8	2.2	X25		2513	59	22
30	1		R 10 x 3/8	1.3	X26		2507	59	22
31	1		R 19 1/2 x 3/8	2.3	X27		2505	59	57
32	2		R 7 1/2 x 3/8	2.3	X28		2515	59	44
33	1		FILL 6 1/2 x 3/8	1.6	X29		2514	59	18
34	2		FILL 2 1/2 x 3/8	1.2	X30	MIE UM	2510	59	83
35	2		R 8 x 3/8	1.7	X31		2514	59	32
36									
37									
38	1		1/4 WLD	389.0					NC
39									
40	25		277 1" RIV.						NC
41	5		7/8" RIV.						NC
42									
43	30		TURND BOLTS 1/2" 5/8" 3/4"			ON			SEE SHT. # GNI FOR DET.
44	30		1/2" HEX NUTS 5/8"			ON			SEE SHT. # GNI FOR DET.
45	30		WASH 2 1/4" 1/4" THK - BR			ON			SEE SHT. # GNI FOR DET.
46			1 1/16" HOLE						
47									
48	7		SBO						NC
49									
50									
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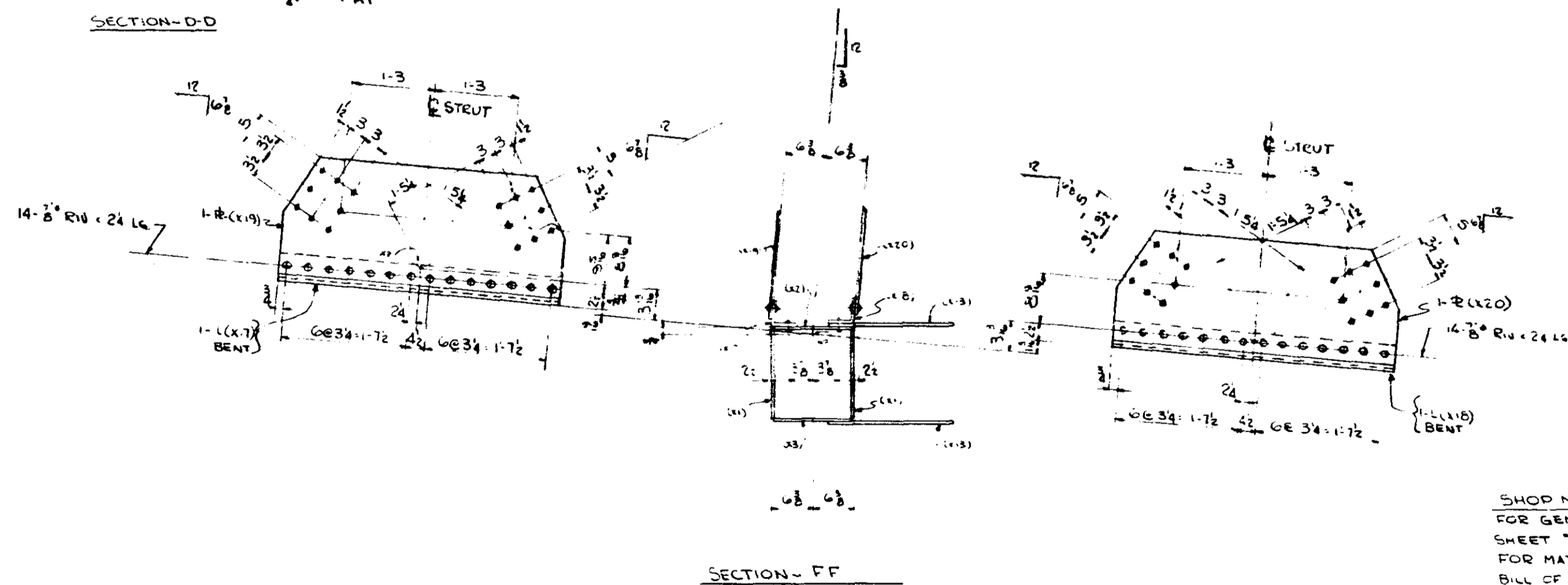
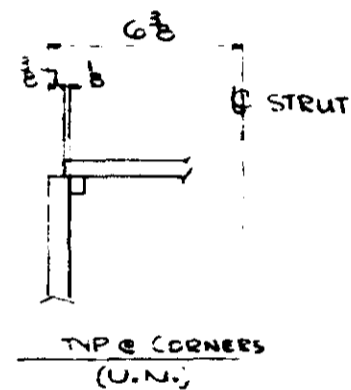
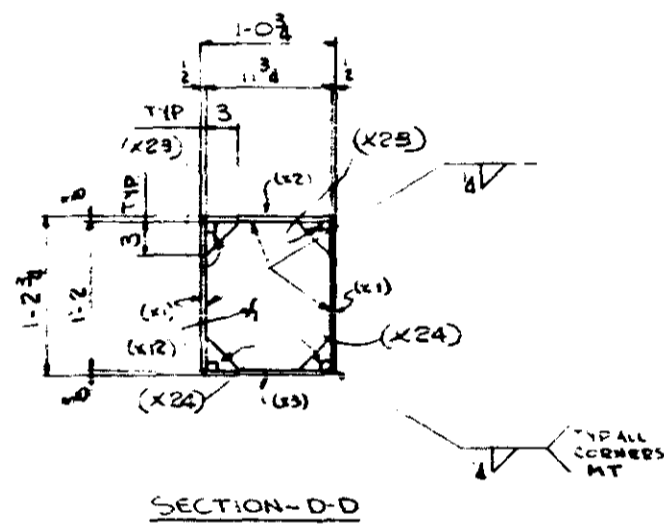
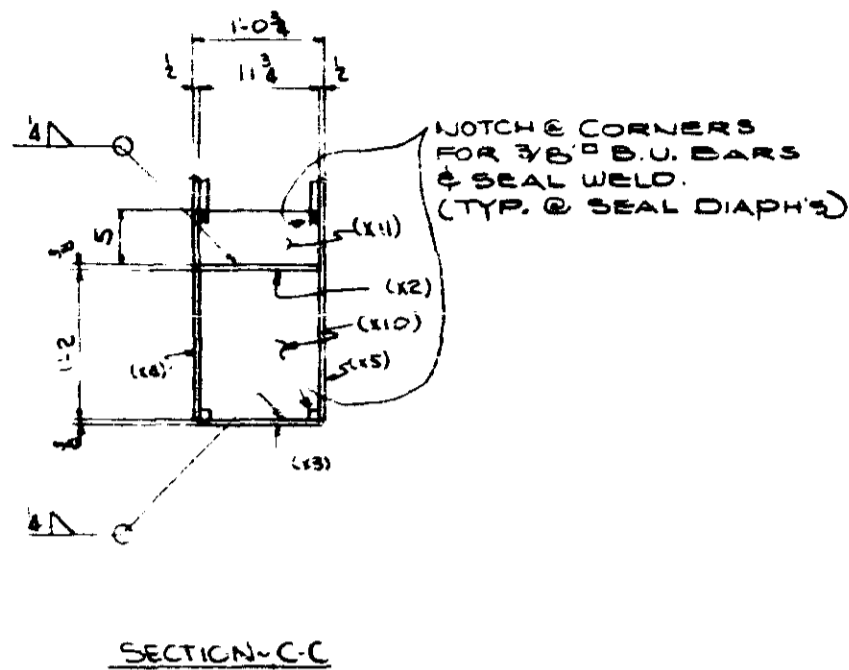
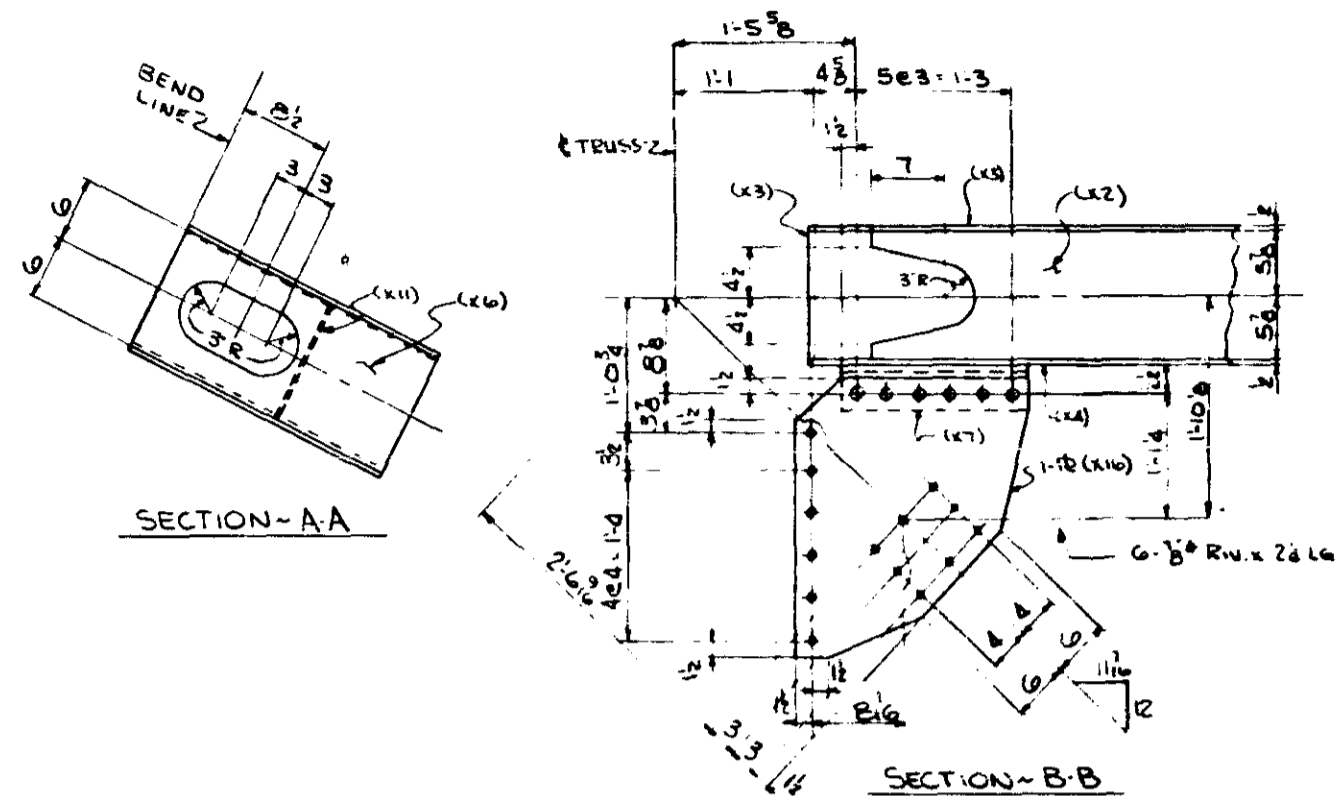
ALLIED STRUCTURAL STEEL COMPANY
 ENGINEERS FABRICATORS ERECTORS
 1425 - 1027 - STREET, HARMOND, INDIANA 46220

DIV. #10
 HAMMOND FAB
 DETAILS OF UPPER CHORD (UO TO U2) W
 BRIDGE # 9340
 LOCATION: MINNEAPOLIS, MINNESOTA
 OWNER: MINNESOTA STATE HWY DEPT.
 CUSTOMER: MINNESOTA STATE HWY DEPT.

MINN. PROJ. NO J-1435W-3(SB)112
 STATE PROJ. NO 2783-9340B (TH35W-394)

OPEN HOLES 1 1/2" UN.	RIVETS & BOLTS 1" UN.	PAINT	YES	SEE SHT. # GNI.
DRAWN BY N.N.	DATE 10/18/66	CHECKED BY G.N.	DATE 4/28	
REVISIONS	△ 10/18/66	△	△	△

CONTRACT 3142
 FABCOD P15
 SHEET 1012B



SHOP NOTE:
 FOR GENERAL NOTES SEE SHEET "GN-1"
 FOR MAT'L SPECS. SEE BILL OF MAT'L FOR INSPECTION OF WELDS SEE NOTE ON SHT. GNI

LINE	SHIP NO.	NO. REQ.	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	BID ITEM	TOTAL WEIGHT	MHD SPECS.
1										
2										
3										
4	1014A	ONE	BOTTOM STRUT	(30' x 70'-0")						
5										
6	2		R 14 x 8	62.84	x1		2804	59	2789	3306
7	1		R 12 x 8	69.24	x2		2805	59	1057	3306
8	1		R 12 x 8	70.24	x3		2806	59	1074	3306
9	2		R 20 x 8 x 2	3.9	x4		2807	59	386	3306
10	2		R 20 x 8 x 2	3.9	x5		2808	59	336	3306
11	2		R 12 x 8	3.53	x6	BENT	2809	59	107	3306
12	2		L 4 x 4 x 3/8	1.6	x7		2810	59	27	3306
13	2		R 21 x 8	1.16	x8		2811	59	99	3306
14	2		Fill 12 x 8	1.3	x9		2812	59	89	3306
15	2		R 12 x 8	1.2	x10		2813	59	35	3306
16	2		R 5 x 8	0.113	x11		2814	59	13	3306
17	4		R 3 x 8	1.2	x12		2815	59	70	3306
18	2		R 19 x 8	3.11	x13		2816	59	193	3306
19										
20	1		R 7 x 8	2.1	x14		2817	59	19	3306
21	2		R 22 x 8 x 3/8	2.28	x15		2818	59	21	3306
22	1		L 4 x 4 x 3/8	3.11	x16	BENT	2819	59	38	3306
23	1		L 4 x 4 x 3/8	3.11	x17	BENT	2820	59	38	3306
24	1		R 19 x 8	3.11	x18		2821	59	76	3306
25	1		R 18 x 8	3.11	x19		2822	59	92	3306
26										
27										
28										
29	114		6" RW.						NC	
30										
31	1		4FW	302.3					NC	
32										
33										
34										
35	2		BAR 3/8 x 3/8	3			59	1	3306	
36	2		BAR 3/8 x 3/8	2			59	2	3306	
37	2		BAR 3/8 x 3/8	163 1/4			59	61	3306	
38	2		BAR 3/8 x 3/8	70 2 3/4			59	67	3306	
39										
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ALLIED STRUCTURAL STEEL COMPANY
 1200 WEST STREET, HAMMOND, INDIANA 46320

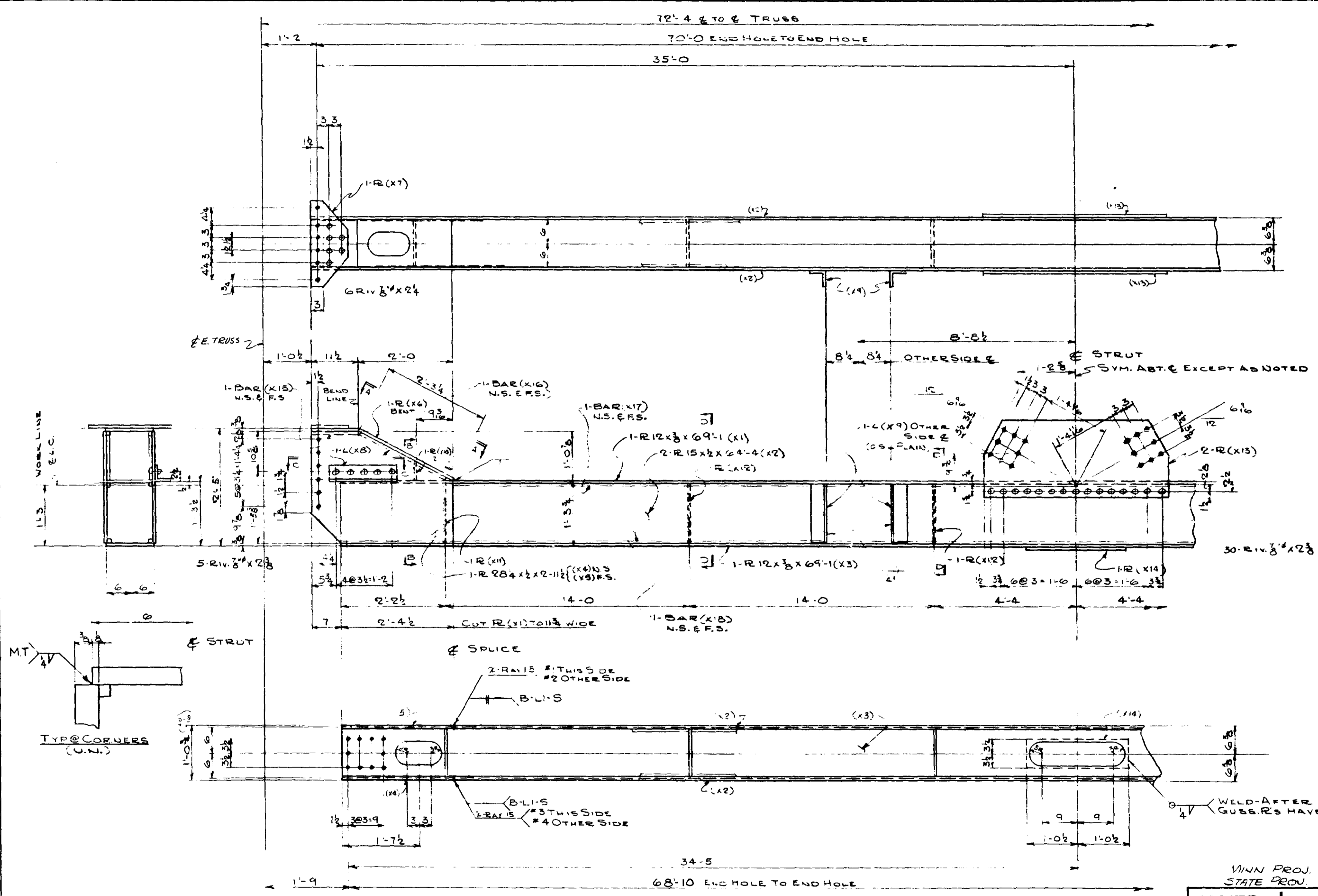
DIVISION 10
 HAMMOND FAB

DETAILS OF: **BOTTOM STRUT @ L2**
 STRUCTURE: **BRIDGE # 9340**
 LOCATION: **MINNEAPOLIS, MINNESOTA**
 OWNER: **MINNESOTA STATE HWY. DEPT.**
 CUSTOMER: **MINNESOTA STATE HWY. DEPT.**

CONTRACT 3142 FABCOD 264 SHEET 1014B

MNN PROJ. NO. 2-16 35W-3(58)112
 STATE PROJ. NO. 2783 13468(1435W-394)

REF	E.O.	REVISIONS	DATE 11/27/60	CHECKED BY G.N.	DATE



ONE-STRUT-1015A

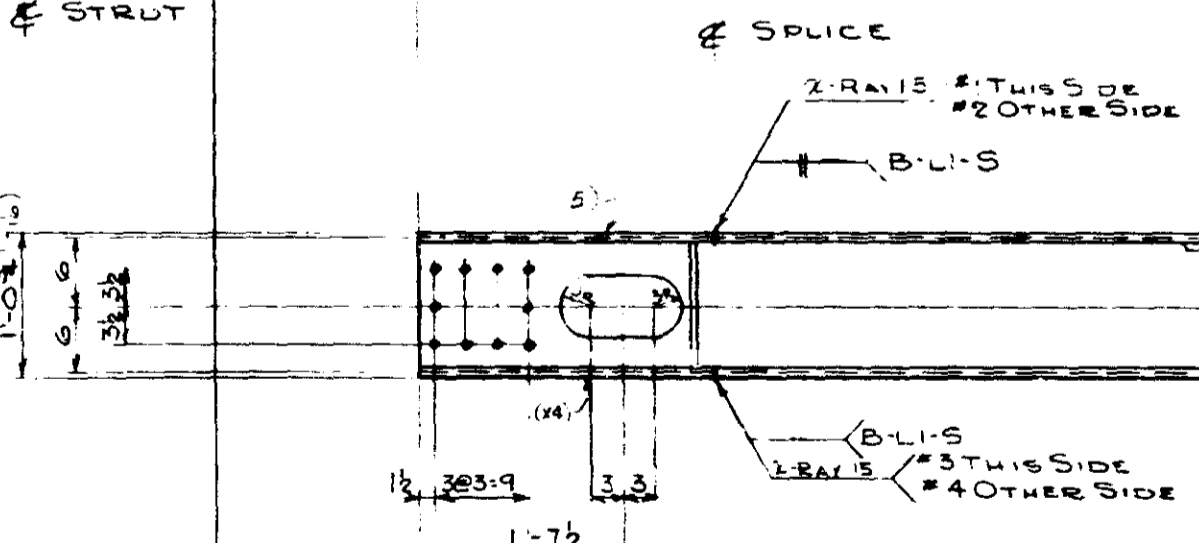
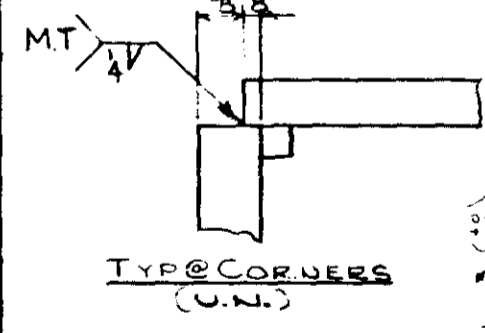
MINN PROJ. I-IG 35W-3(58)112
STATE PROJ. 2783-9340B(TH35W-39A)

ALLIED E.C. REEB FABRICATORS ERECTORS		STRUCTURAL STEEL COMPANY 1422 14TH STREET, HARBOR, INDIANAPOLIS, INDIANA	
DRAWN BY <i>Ma</i> DATE 2-10-52		DETAILS OF BOTTOM STRUT @ L1	
CHECKED BY <i>GN</i> DATE		STRUCTURE BRIDGE N° 9340	
IN CHARGE OF		LOCATION MINNEAPOLIS, MINNESOTA	
FAB. PLANT		OWNER MINNESOTA STATE HWY DEPT.	
REFERENC'D DWGS		CONTRACT 3142 DIV. 10 FAB. CODE 264 SHEET 1015AB	

NO.	DATE	REVISIONS
0	U	11/27/56

WELD-AFTER ALL GUSSET'S HAVE BEEN RIV.

11.5 WORK LINE E.L.C.



E. TRUSS

STRUT
SYM. ABT. & EXCEPT AS NOTED

5-RIV. 3/4" X 2 3/8"

30-RIV. 3/4" X 2 3/8"

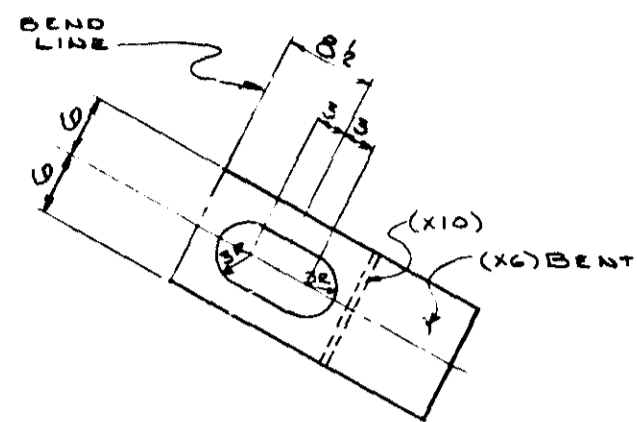
1'-0 1/2"

6'-3 1/2"

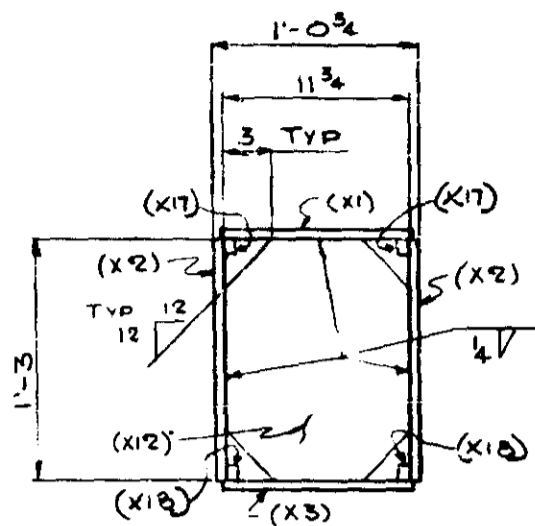
1'-9"

68'-10" END HOLE TO END HOLE

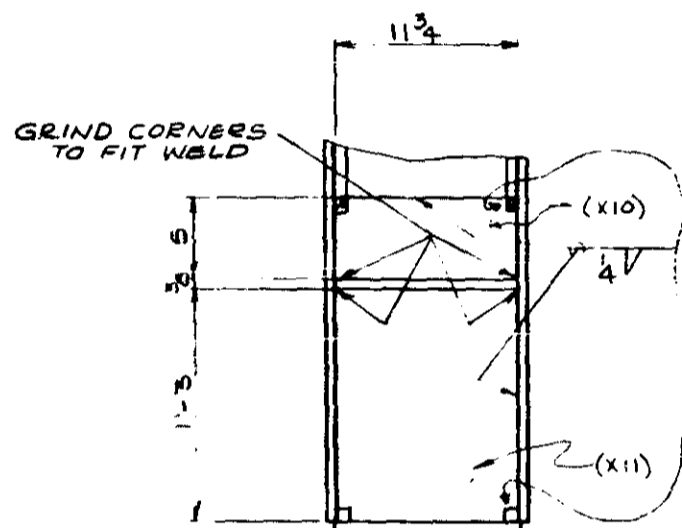
MINN PROJ. I-IG 35W-3(58)112
STATE PROJ. 2783-9340B(TH35W-39A)



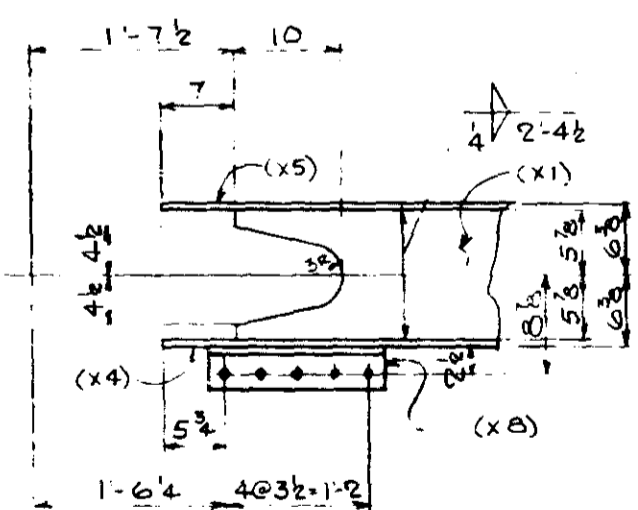
SECTION A-A



SECTION D-D



SECTION B-B



SECTION C-C

NOTCH @ CORNERS FOR
3/8\"/>

#	SHIP MK.	NO. REQD.	SHAPE	LENGTH	PC. MK.	REMARKS	ITEM NO.	TOTAL WEIGHT	NET WEIGHT
1									
2									
3									
4	1015A	ONE	STRUT (29 X 7 0 L D)						
5	1	1	R 12 X 3/8	69	1	X1	2722	59	1057
6	2	2	R 15 X 1/2	64	4	X2	2821		3281
7	1	1	R 12 X 3/8	69	1	X3	2722		1057
8	2	2	R 28 1/2 X 1/2	2	11 1/2	X4	2824		2888
9	2	2	R 28 1/2 X 1/2	2	11 1/2	X5	2824		2888
10	2	2	R 12 X 3/8	3	2 1/2	X6 BENT	2823		99
11	2	2	R 9 X 3/8	1	9	X7	2825		40
12	2	2	L 3 4 X 4 X 3/8	1	5	X8	2901		28
13	2	2	L 3 4 X 4 X 3/8	1	3	X9	2811		25
14	2	2	R 5 X 3/8	0	11 1/2	X10			13
15	2	2	R 1 1/2 X 3/8	1	3	X11	2907		37
16	4	4	R 1 1/2 X 3/8	1	3	X12	2902		95
17	2	2	R 19 X 3/8	3	10 1/2	X13	2826		188
18	1	1	R 7 X 3/8	2	1	X14	2827	59	19
19									
20		52	RIV 3/8"						NC
21		1	F.W. 1/4"	322	0				NC
22									
23									
24									
25	2	2	BAR 3/8 X 3/8	0	11 1/2	X15		59	1
26	2	2	BAR 3/8 X 3/8	2	2 1/2	X16			2
27	2	2	BAR 3/8 X 3/8	64	4	X17			62
28	2	2	BAR 3/8 X 3/8	69	1	X18			66
29									
30									
31									
32									
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Div. 10

SHOP NOTE:
FOR GEN. NOTES SEE GNI
FOR MAT'L SPECS
SEE BILL OF MAT'L.
FOR INSPECTION OF WELDS SEE
NOTE ON SHT GNI

MINN. PROJ. NO I-IG35W3(58)112
STATE PROJ. NO 2783-9340 B
(TH35W=394)

HAMMOND FAB

ALLIED STRUCTURAL STEEL COMPANY
ENGINEERS
FABRICATORS
ERECTOR

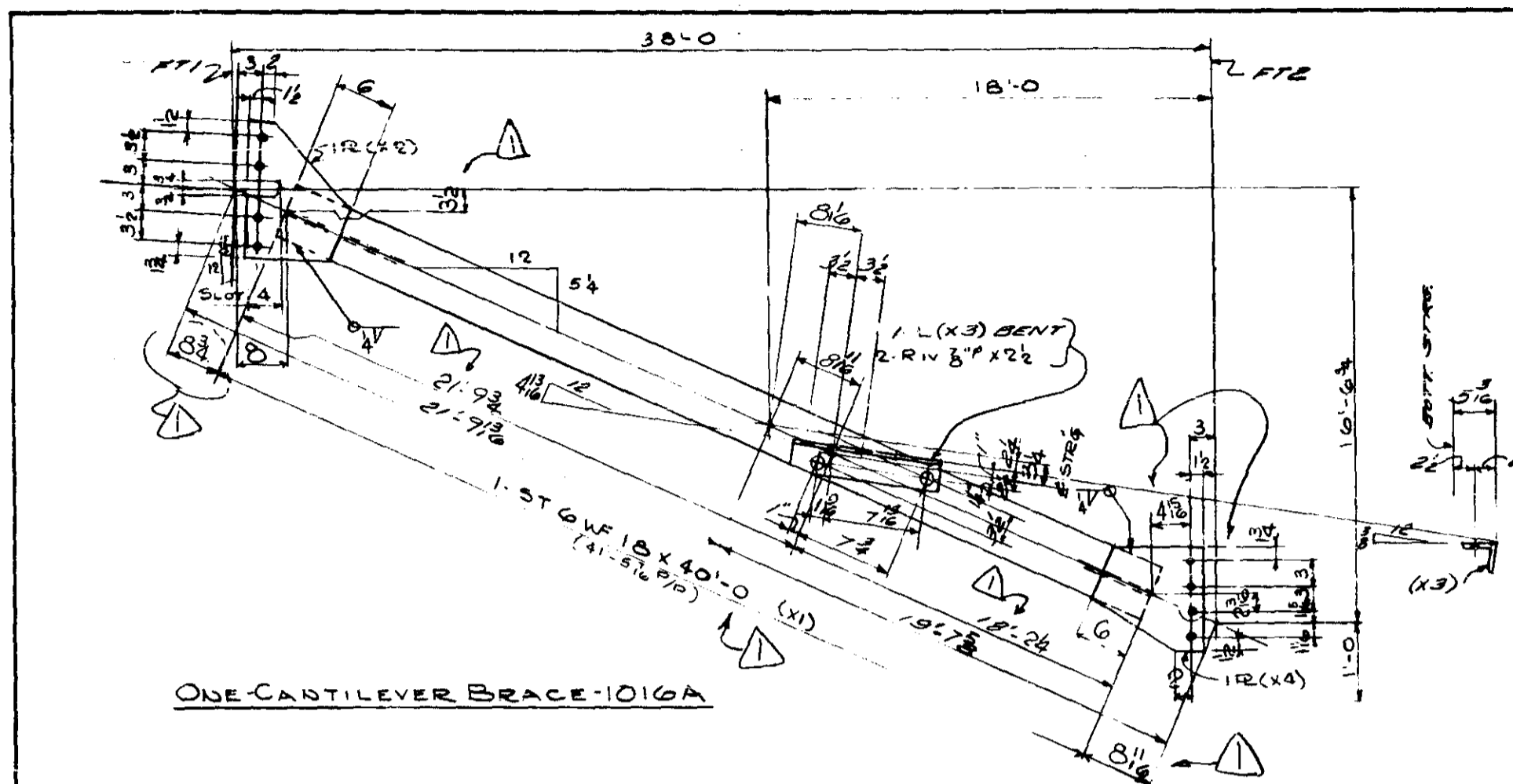
DETAILS OF **BOTTOM STRUT @ LI**
STRUCTURE: **BRIDGE NO 9340**
LOCATION: **MINNEAPOLIS, MINNESOTA**
OWNER: **MINNESOTA STATE HWY DEPT.**
CUSTOMER: **MINNESOTA STATE HWY DEPT.**

OPEN HOLES: 1 1/2" RIVETS & BOLTS: 3/8" PAINT: YES SEE SHT GNI

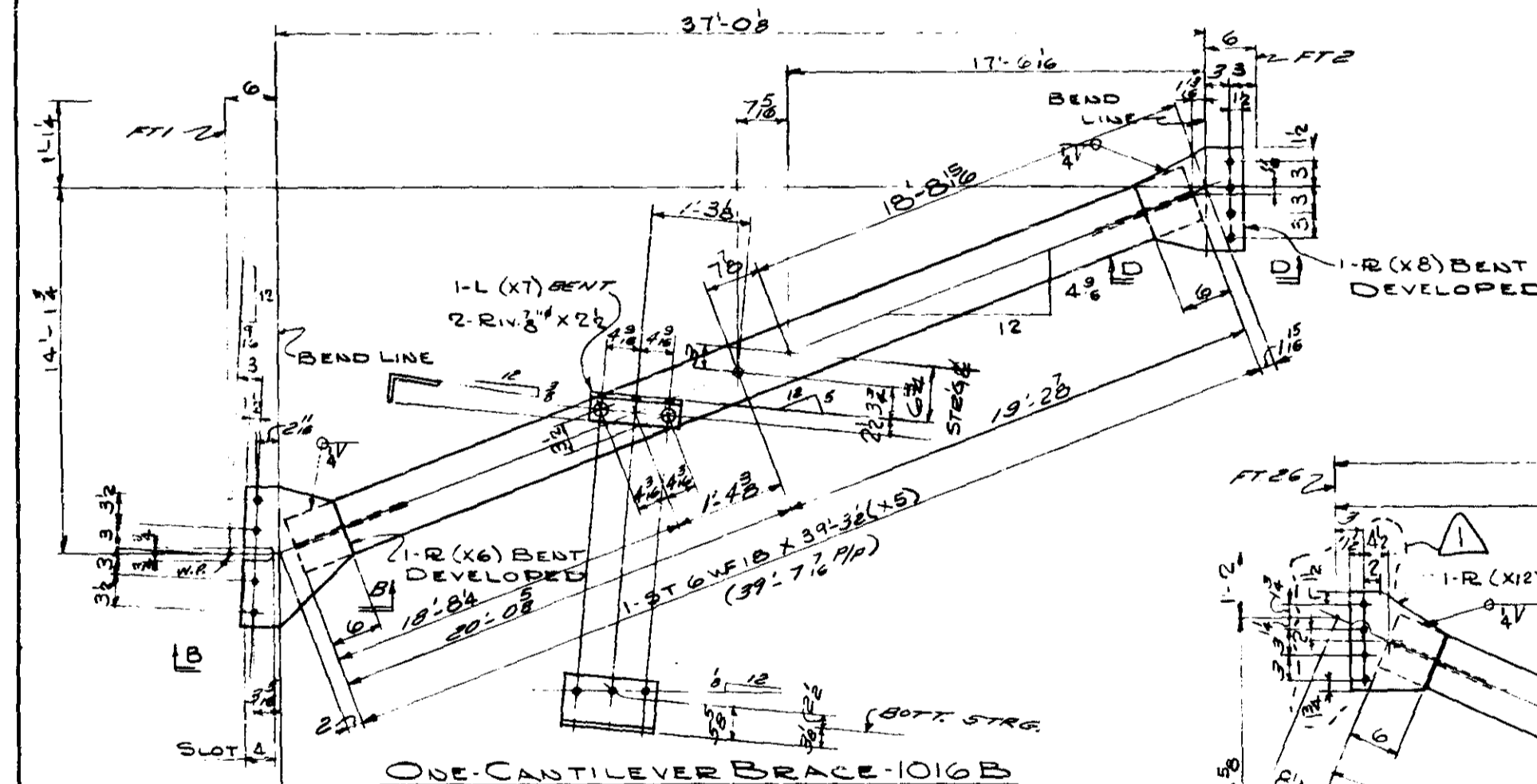
DRAWN BY: *Mia* DATE: 2/2/66 CHECKED BY: *GN* DATE:

REVISIONS: *A* 11/21/66 *MC* *A* *A* *A*

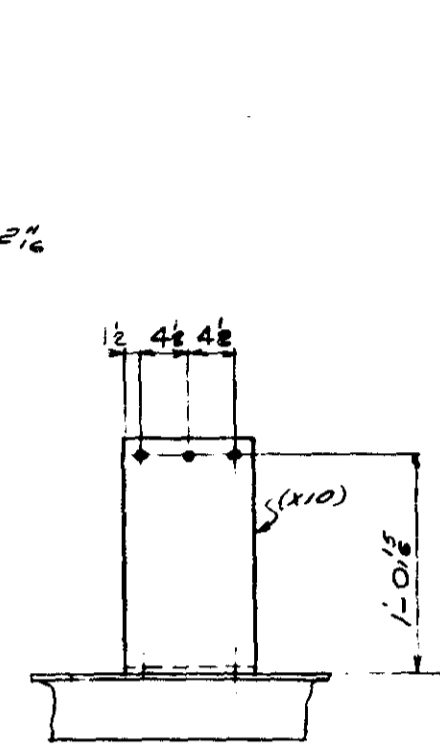
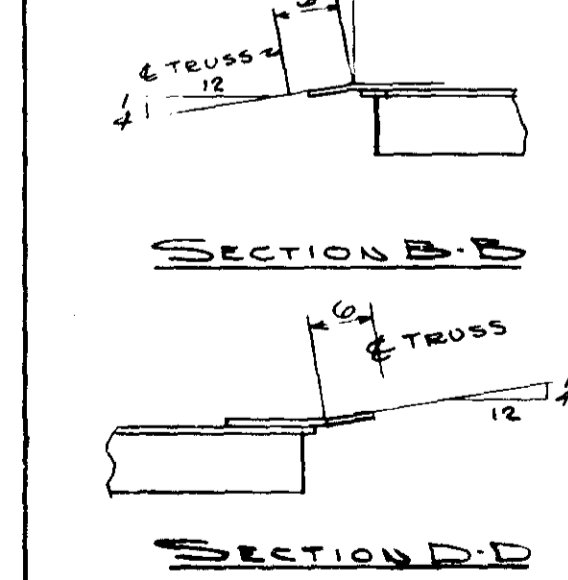
CONTRACT: 3142 FABCODE: 264 SHEET: 015 B



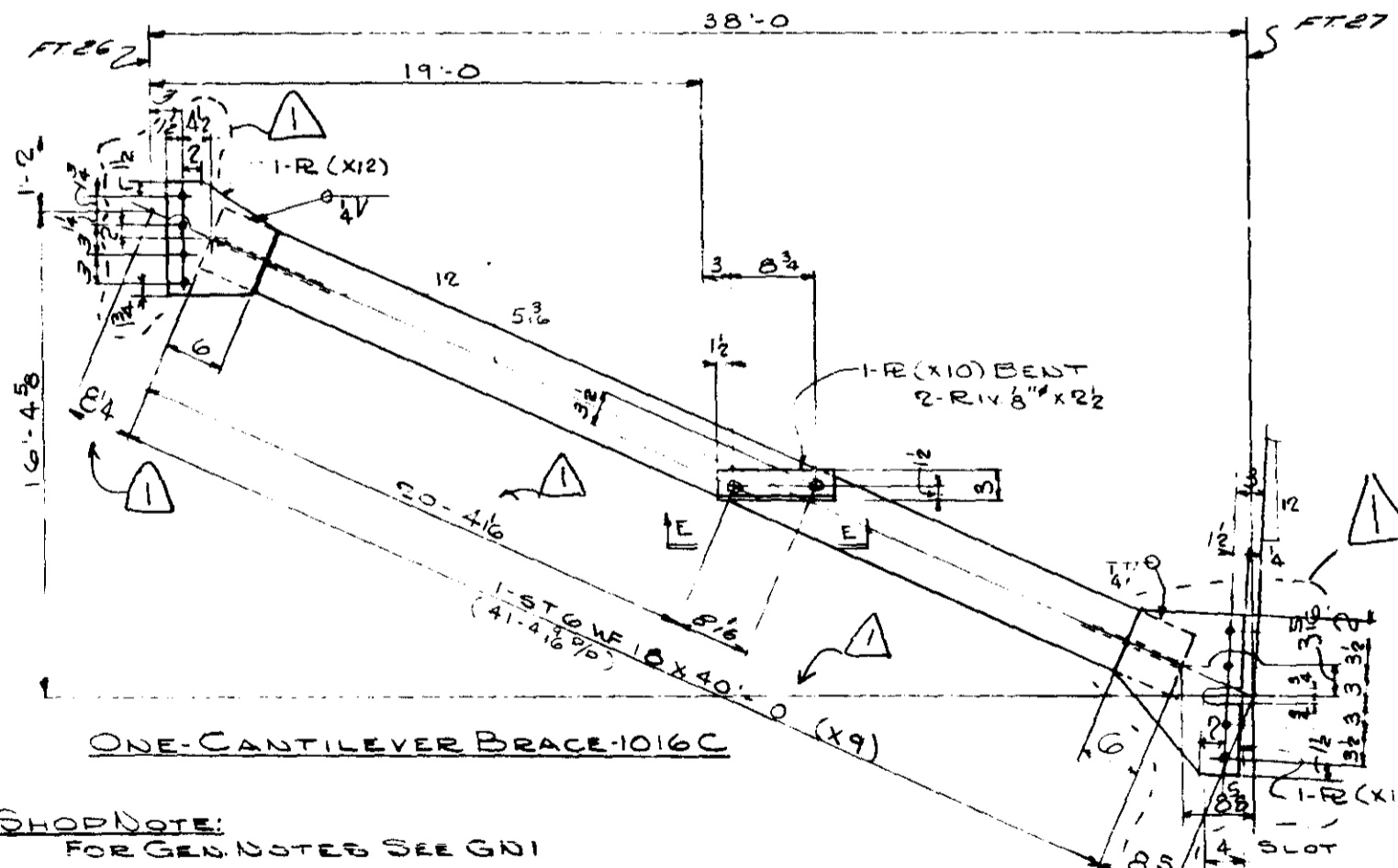
ONE CANTILEVER BRACE-1016A



ONE CANTILEVER BRACE-1016B



SECTION E-E



ONE CANTILEVER BRACE-1016C

SHOP NOTE:
 FOR GEN. NOTES SEE GNI
 FOR MAT'L SPECS SEE BILL MAT'L
 FOR INSPECTION OF WELDS SEE NOTE
 ON SHT GN-1
 MINN. PROJ. NO. I-IG35W-3(58)112
 STATE PROJ. NO. 2793-9408 (TH35W-394)

HAMMOND FAB
 OPEN HOLES 15 RIVETS & BOLTS 7 PAINT YES SEE SHT GNI

DRAWN BY *Mia* DATE 2-24-66 CHECKED BY *C.N.* DATE 3/2

REVISIONS Δ 11/14/66 Δ Δ Δ

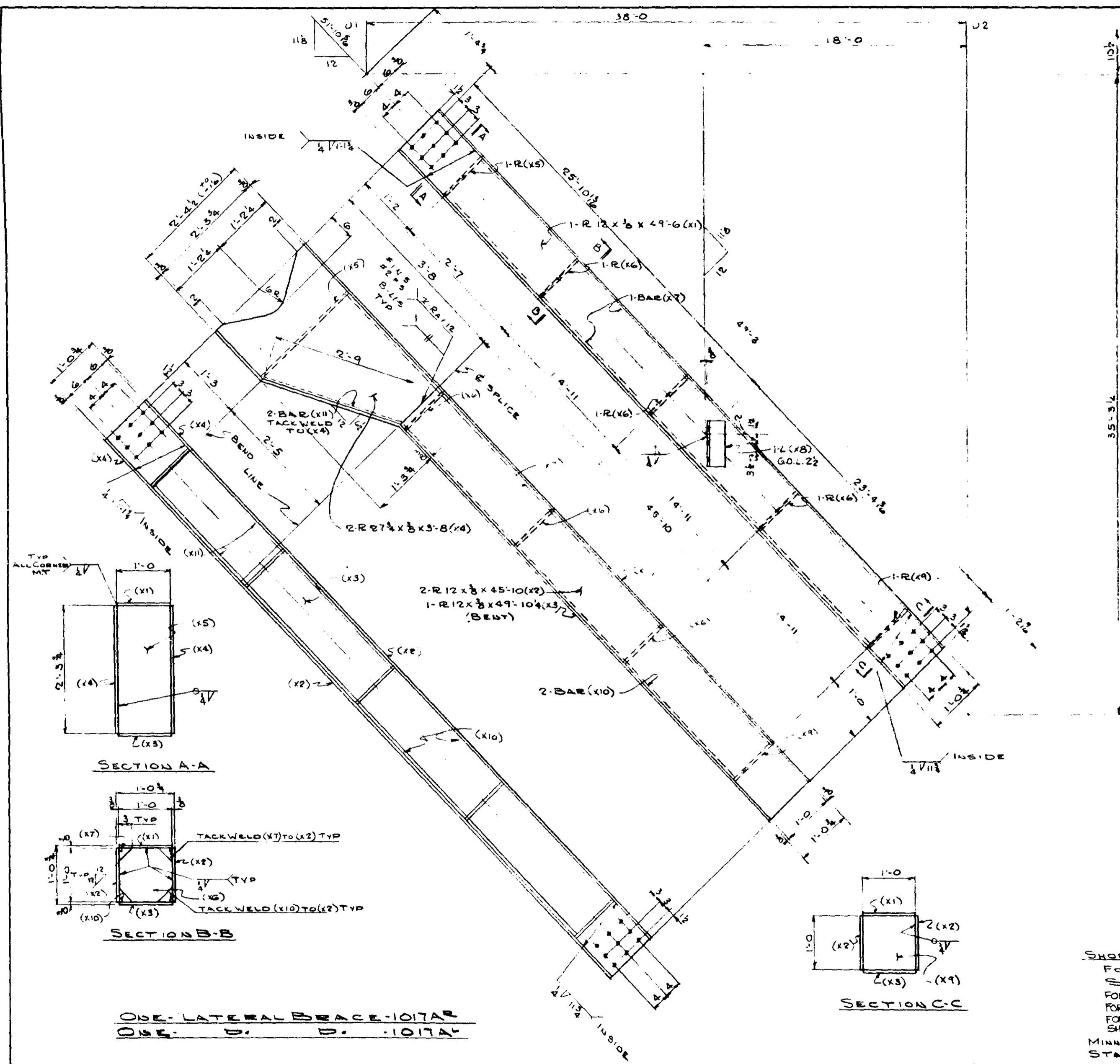
DIV	LINE	SHIP NO.	NO. REQD.	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	WEIGHT	TOTAL WEIGHT
10	14									
	1									
	2									
	3									
	4									
	5	1016A ONE		CANTILEVER BRACE						
	6	1		STG WF 10	40 0 X1			7103	59	720
	7	1		R 13 1/2 X 3	1 6 1/2 X2			7104		26
	8	1		L 7 X 4 X 3/8	1 2 1/2 X3 BENT			7106		17
	9	1		R 12 1/2 X 3	1 1 1/2 X4			7105	59	18
	10									
	11		2	3/8" RIV						NC
	12		1	F.W. 1/4	4 0					NC
	13									
	14									
	15									
	16									
	17	1016B ONE		CANTILEVER BRACE						
	18	1		STG WF 10	39 1/2 X5			7103	59	707
	19	1		R 13 1/2 X 3	1 4 X6 BENT			7104		23
	20	1		L 7 X 4 X 3/8	1 0 1/2 X7 BENT					14
	21	1		R 12 X 3	1 1/4 X8 BENT			7105	59	17
	22									
	23		2	3/8" RIV						NC
	24		1	F.W. 1/4	4 0					NC
	25									
	26									
	27									
	28									
	29	1016C ONE		CANTILEVER BRACE						
	30	1		STG WF 10	40 0 X1			7103	59	720
	31	1		R 12 X 3	1 5 1/2 X10 BENT			7104		22
	32	1		R 13 1/2 X 3	1 4 1/2 X11			7106		23
	33	1		R 12 1/2 X 3	1 1 1/2 X12			7105	59	18
	34									
	35		2	3/8" RIV						NC
	36		1	F.W. 1/4	4 0					NC
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BID ITEM 59 = 2319

ALLIED STRUCTURAL STEEL COMPANY
 ENGINEERS, FABRICATORS, ERECTORS
 1415 SOUTH STREET, MINNEAPOLIS, MINNESOTA

DETAILS OF **CANTILEVER BRACE**
 STRUCTURE **BRIDGE NO 9340**
 LOCATION **MINNEAPOLIS, MINNESOTA**
 OWNER **MINNESOTA STATE HWY. DEPT.**
 CUSTOMER **MINNESOTA STATE HWY. DEPT.**

CONTRACT **3142** FABCOD **204** SHEET **1016**



LINE NO.	QTY	SHIP NO.	NO. REQ.	SHAPE	LENGTH	PC NO.	REMARKS	ITEM NO.	TOTAL WEIGHT	W.C. SPEC.
4	1017A	ONE		LATERAL BRACING (29x49-6)						
5	1017A	ONE		D. D. (29x49-6)						
6	2			R 12x8	49.6	X1		228	59	1515
7	4			R 12x8	45.10	X2		2627		2805
8	2			R 12x8	49.10	X3	BENT	2627		1526
9	4			R 27x8	5.8	X4		270		517
10	2			R 12x8	2.33	X5		2711		71
11	6			R 12x8	1.0	X6		2718		92
12	4			BAR 3x3	47.35	X7		2676		91
13	2			L 4x4x3/8	0.10	X8		2676		16
14	2			R 12x8	1.0	X9		2718		31
15	4			BAR 3x3	44.19	X10		2676		86
16	4			BAR 3x3	2.0	X11		2676	59	5
17	2			F.W. 4	224.6					3306
18										NC
19										
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Div. 10

SHOP NOTE:
 FOR G.L.U. NOTES SEE G.N.I.
 FOR MATL. SPECS SEE BILL OF MATL.
 FOR INSPECTION OF WELD SEE NOTE SHY. G.N.I.
 FOR X-RAY IDENTIFICATION NO. SEE SHY. W-1

MINN. PROJ. NO. I-IG 35W-3(58)112
 STATE PROJ. NO. 2783-9340B
 (TH 35W-594)

ALLIED STRUCTURAL STEEL COMPANY
 ENGINEERS ARCHITECTS ERECTORS
 1222 12TH STREET, MINNEAPOLIS, MINN. 55402

DETAILS OF: **TOP LATERAL BRACING**

STRUCTURE: **BRIDGE NO. 9340**

LOCATION: **MINNEAPOLIS, MINNESOTA**

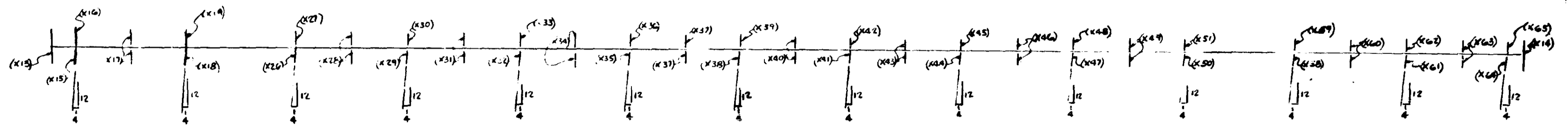
OWNER: **MINNESOTA STATE HWY. DEPT.**

CUSTOMER: **MINNESOTA STATE HWY. DEPT.**

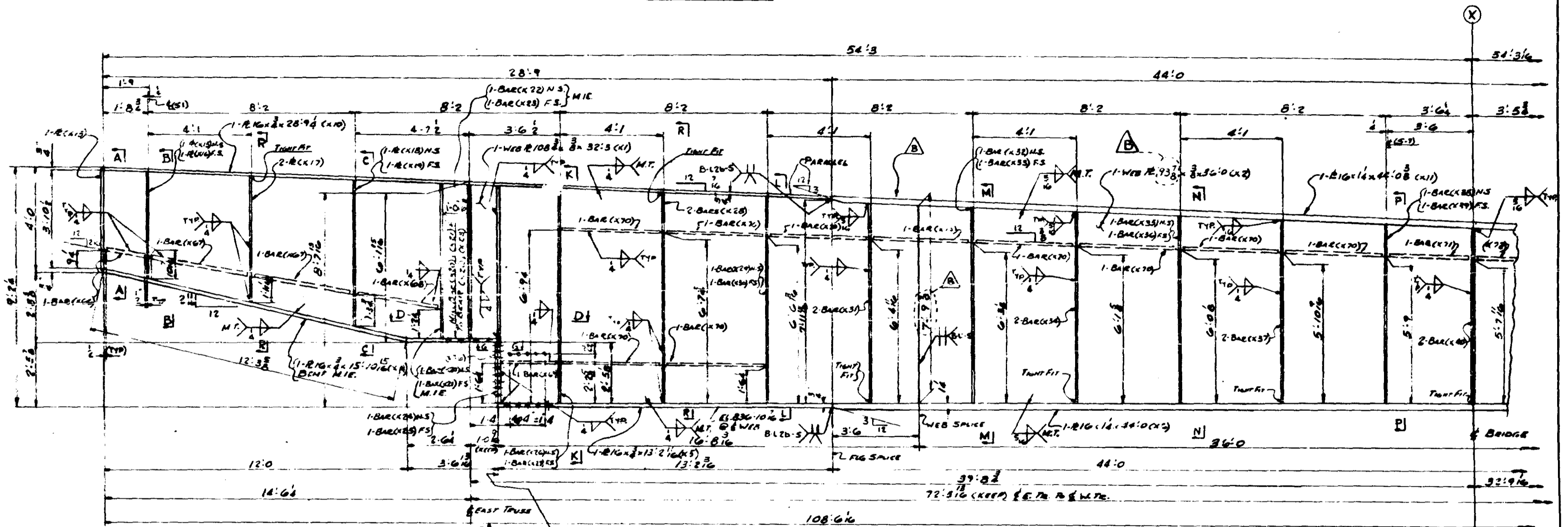
CONTRACT: **3142** FABCOD: **264** SHEET: **1017**

HAMMOND FAB

OPEN HOLES	15"	RIVETS & BOLTS	PAIN	YES	SEE	SHY. G.N.I.
DRAWN BY	Ma	DATE	2-22-66	CHECKED BY	GN	DATE
REVISIONS	△	△	△	△		

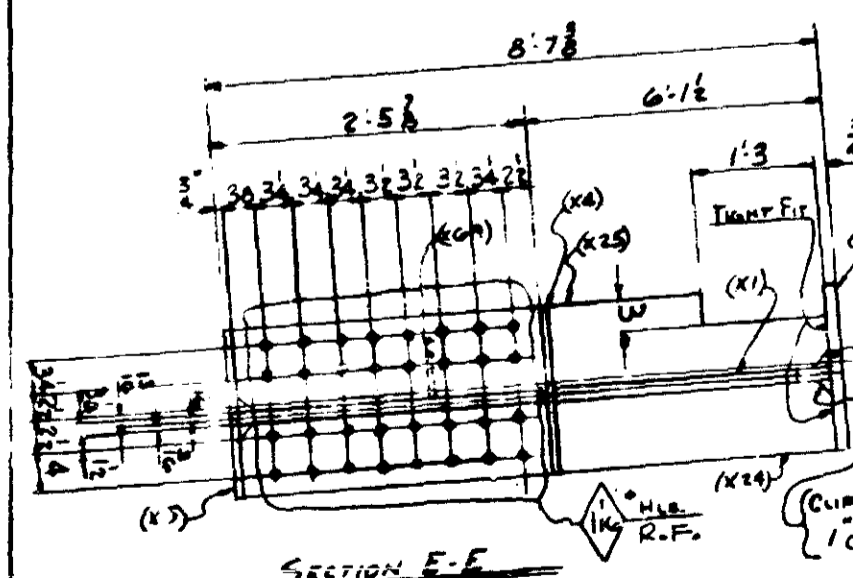


(PLAN) STIFF DIAGRAM

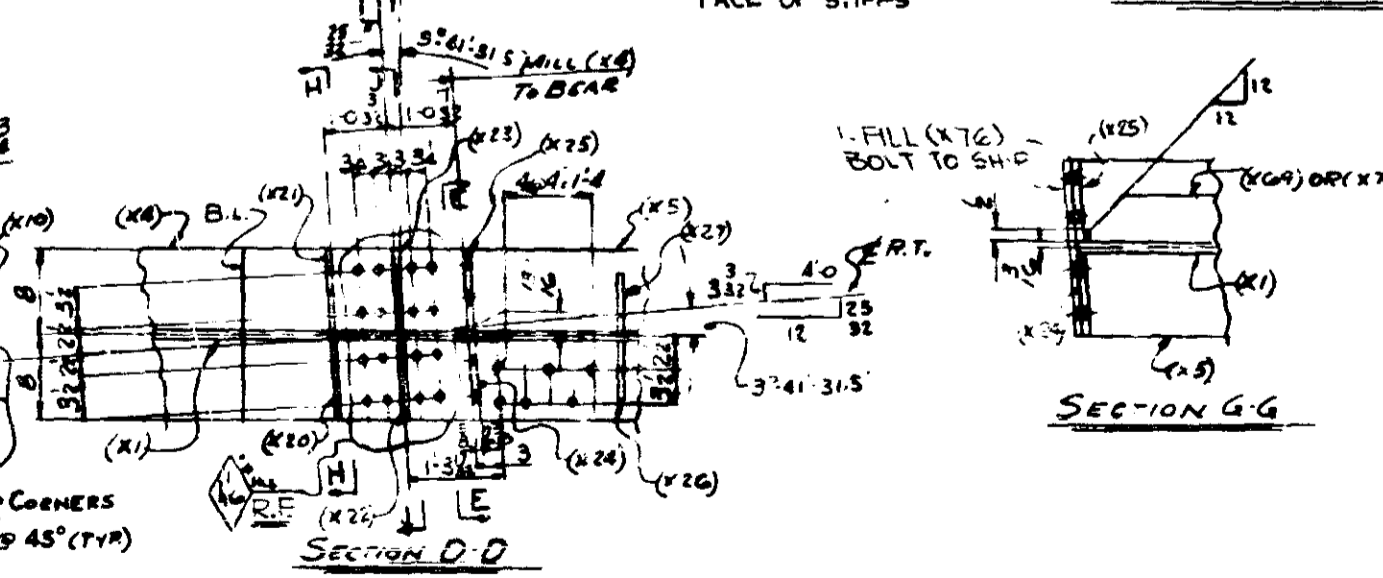


NOTES
WEB MUST BE FLUSH WITH
FACE OF STIFFS

ONE-FLOOR BEAM 1018A



SECTION E-E



SECTION D-D

MINN PROJ. NO. I.G. 35W-3 (58) 112
STATE PROJ. NO. 2183-9340B (TH35W-394)

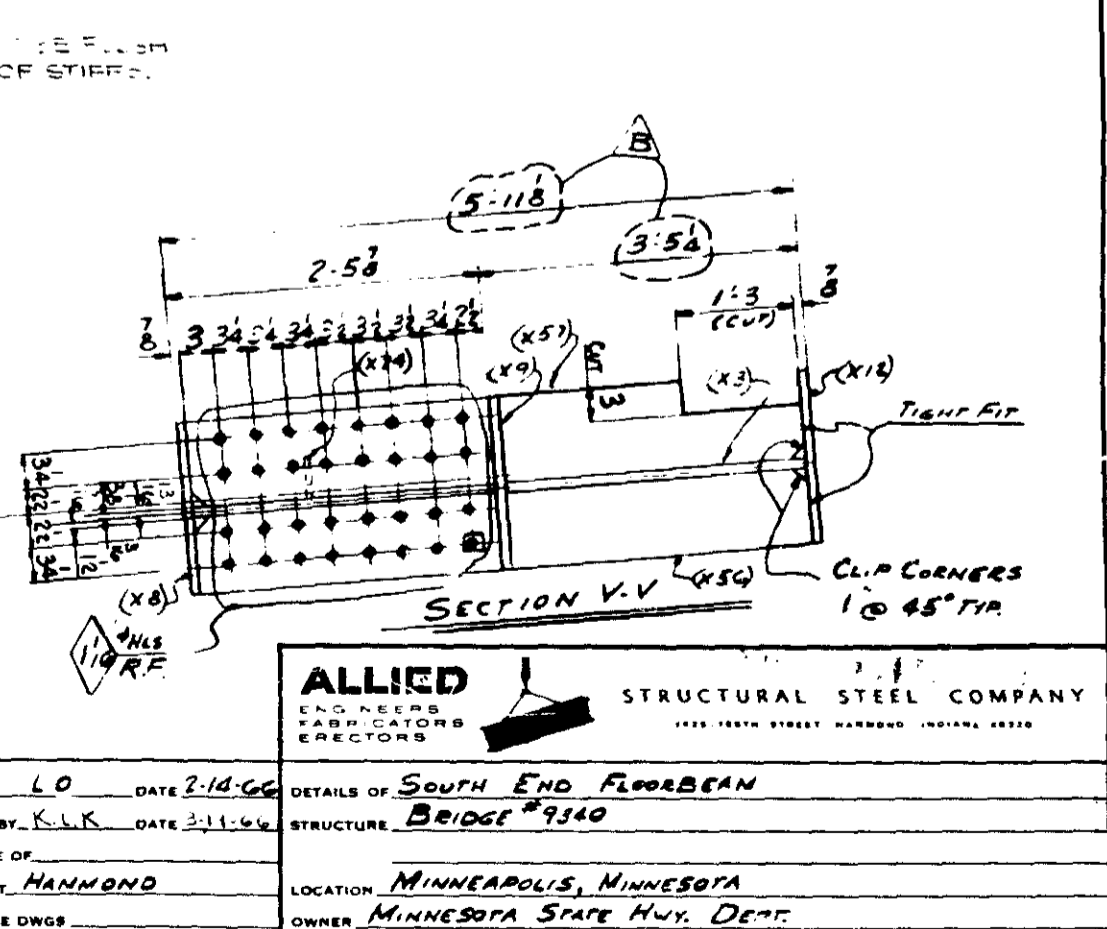
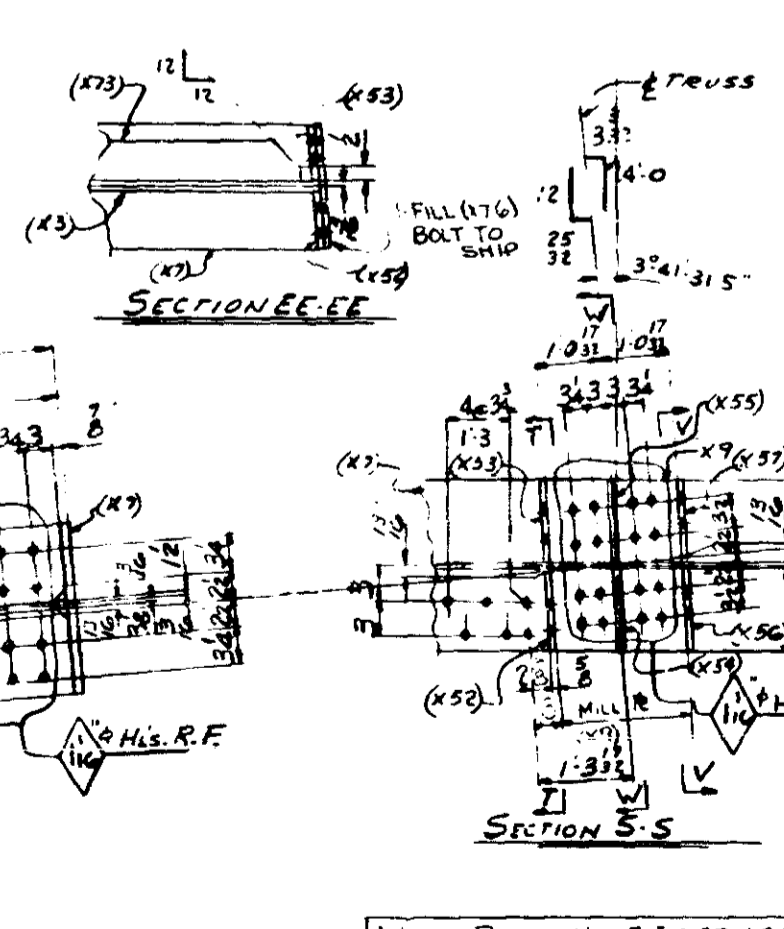
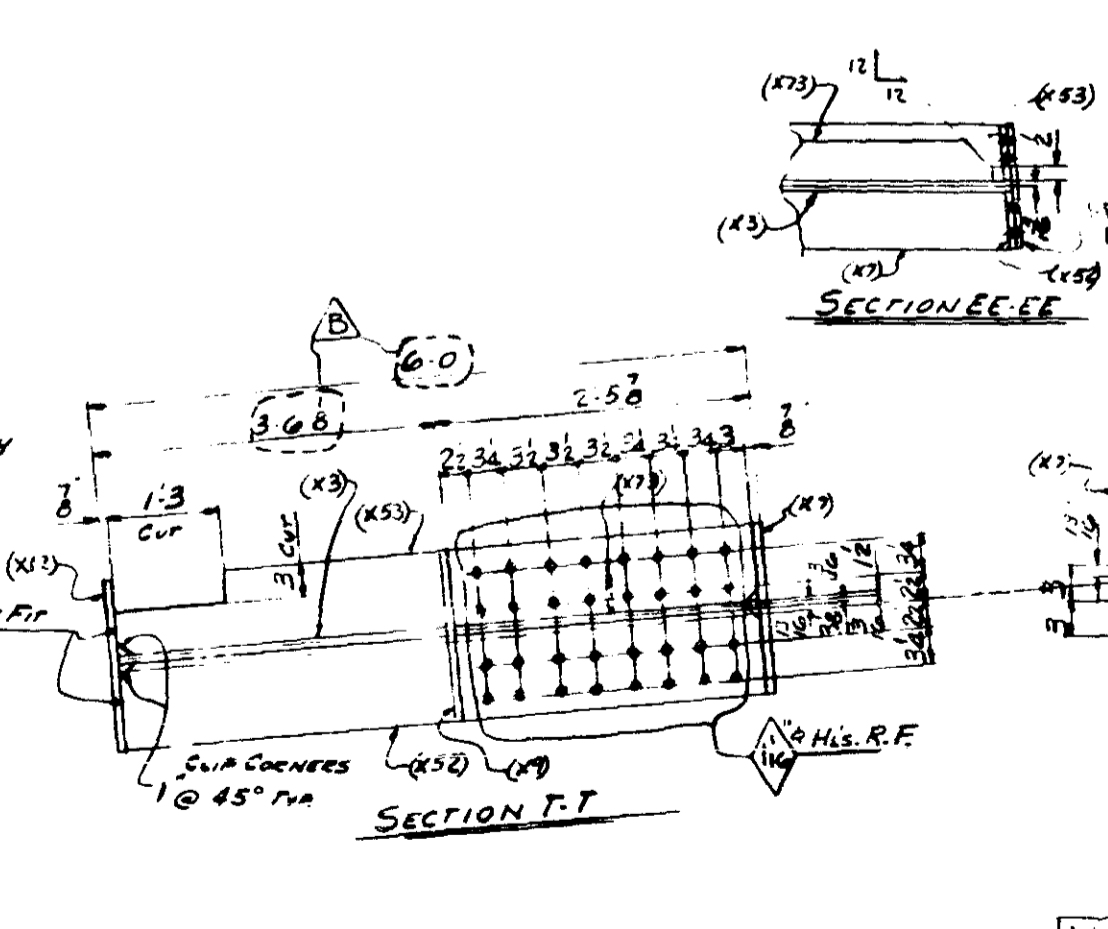
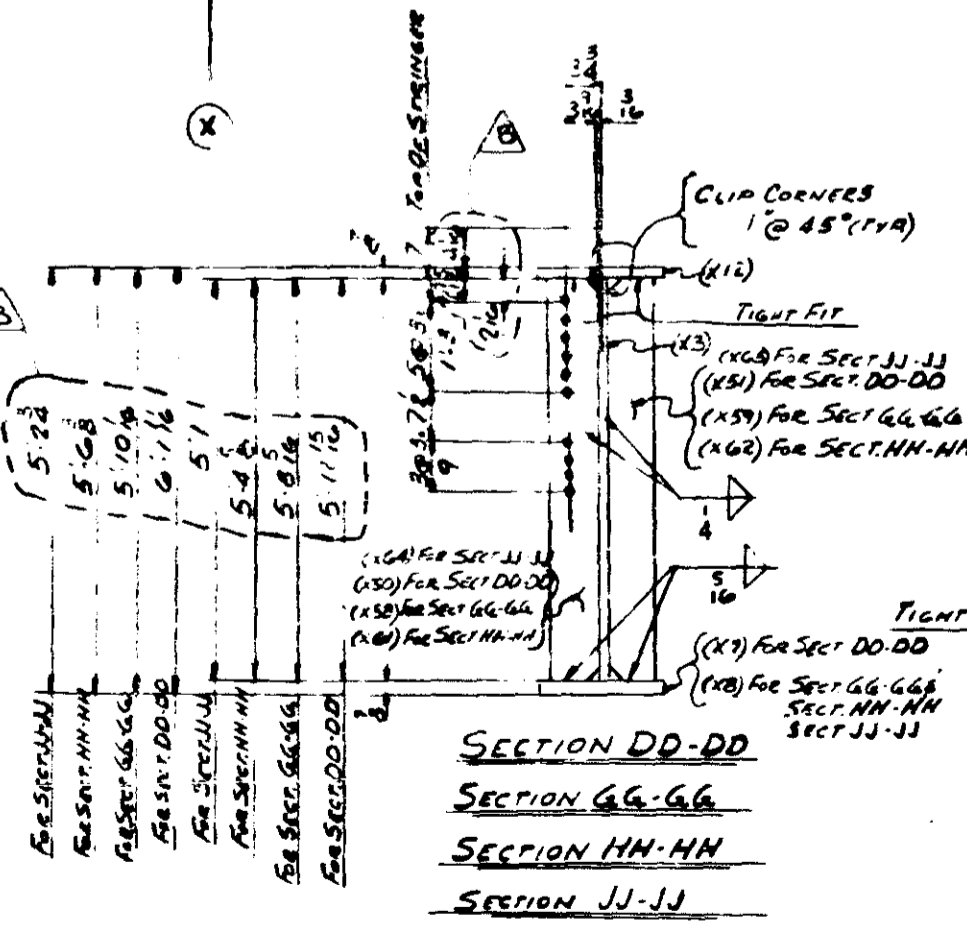
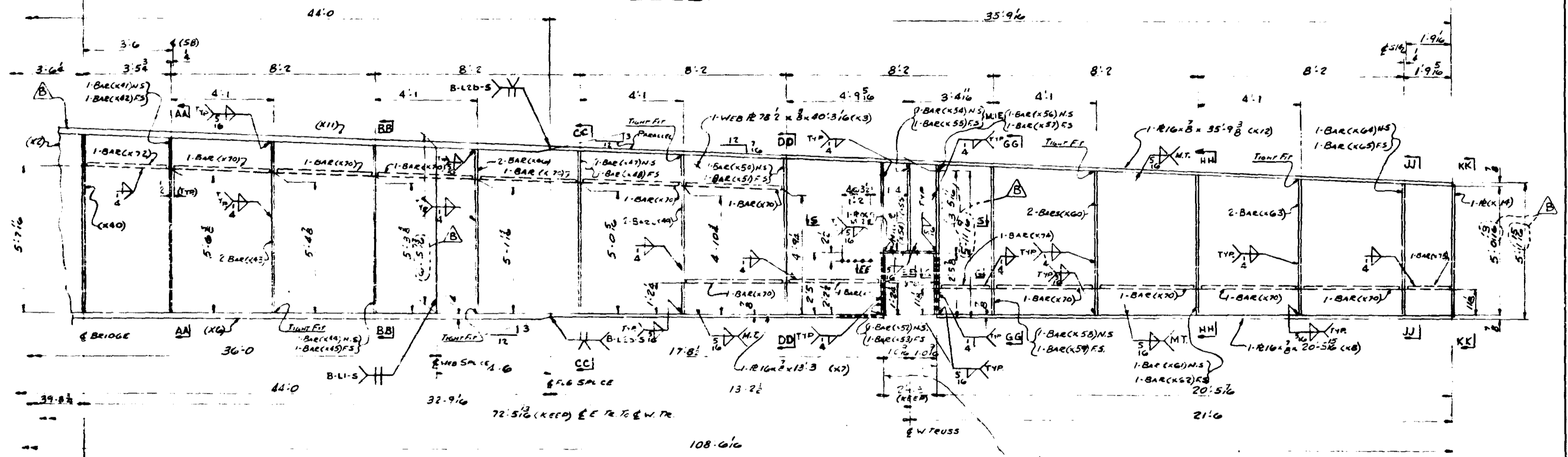
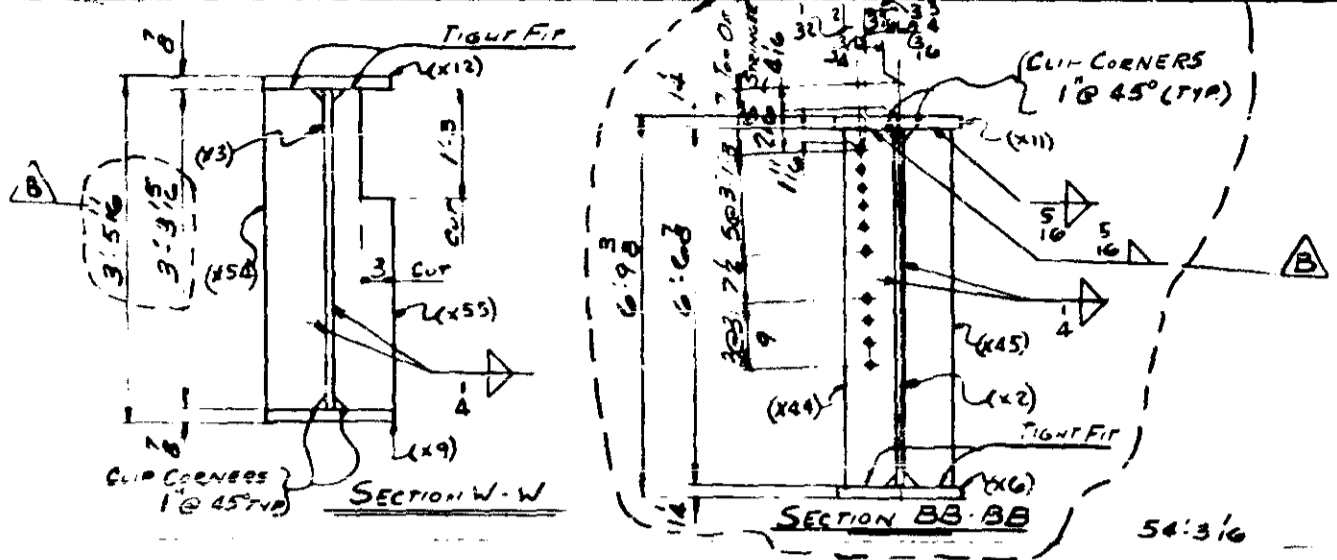
ALLIED STRUCTURAL STEEL COMPANY
1222 TENTH AVENUE, MINNEAPOLIS, MINN. 55402

DETAILS OF SOUTH END FLOOR BEAM
STRUCTURE BRIDGE N 2 9340

LOCATION MINNEAPOLIS, MINNESOTA
OWNER MINNESOTA STATE HWY. DEPT.

CONTRACT 3142 DIV. 10 FABCOD 284 SHEET 1018AC

REVISIONS	DRAWN BY L.O. DATE 2-11-66	CHECKED BY K.L.K. DATE 2-19-66
1-22-66		
10-18-66		



ALLIED STRUCTURAL STEEL COMPANY
 ENGINEERS
 FABRICATORS
 ERECTORS
 1125 11TH STREET S.W. MINNEAPOLIS, MINN. 55415

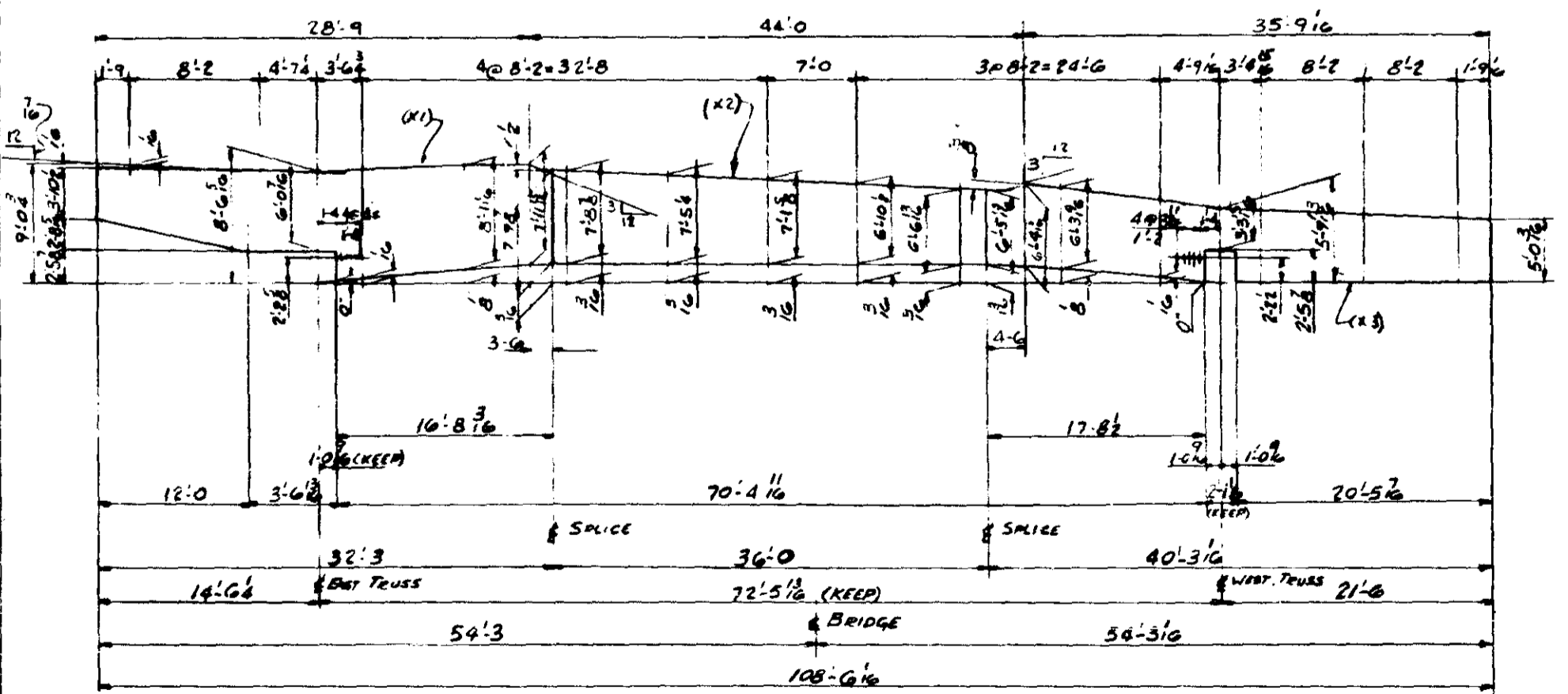
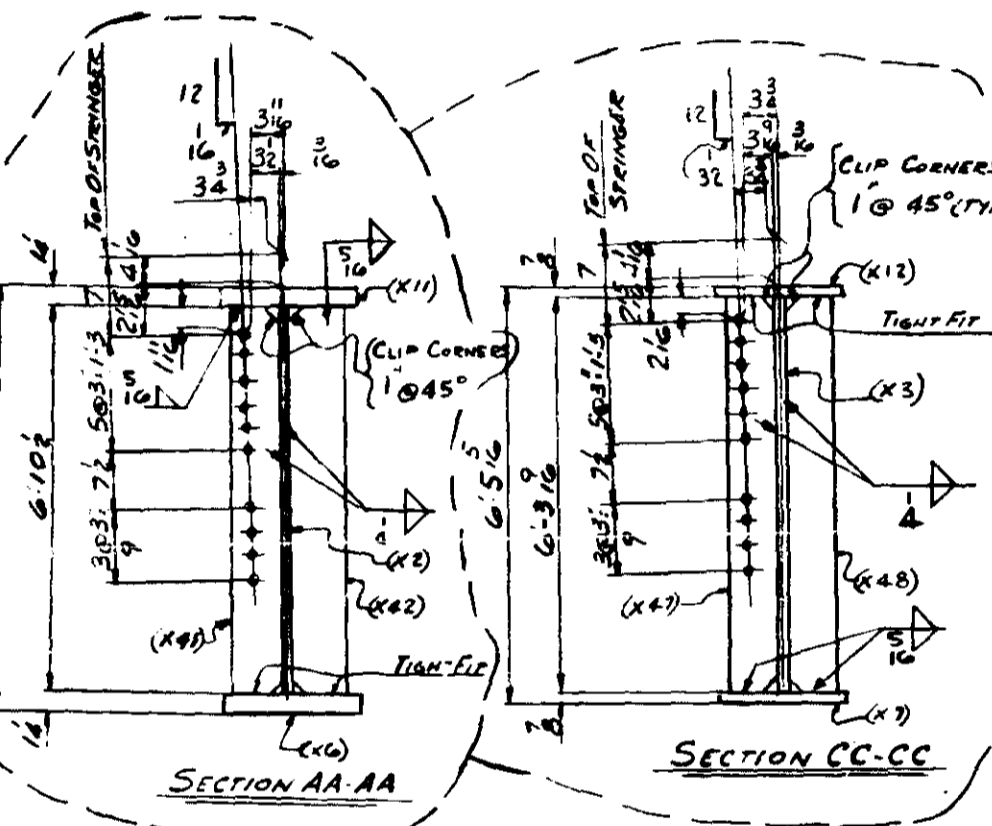
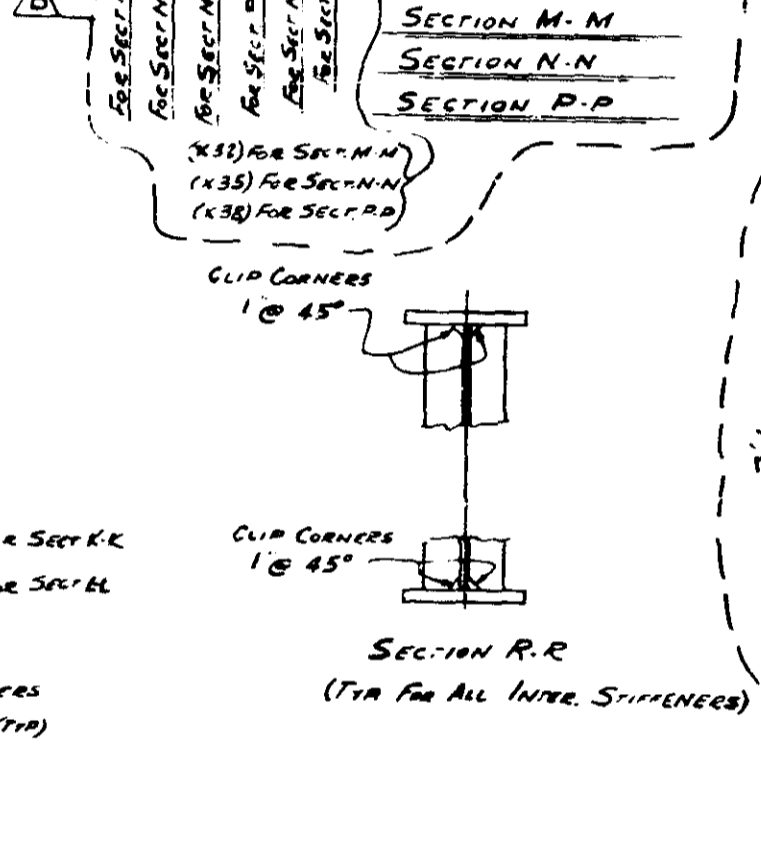
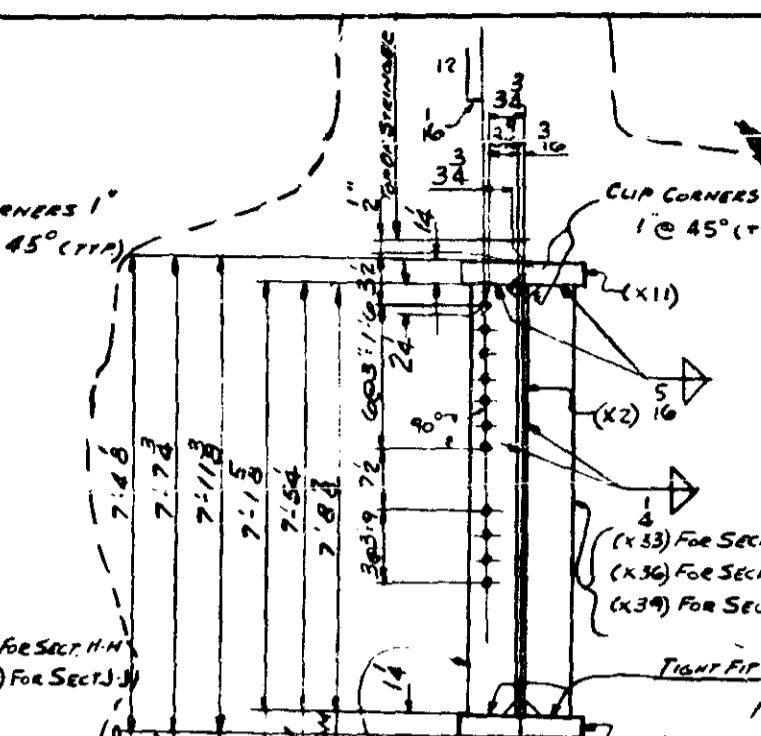
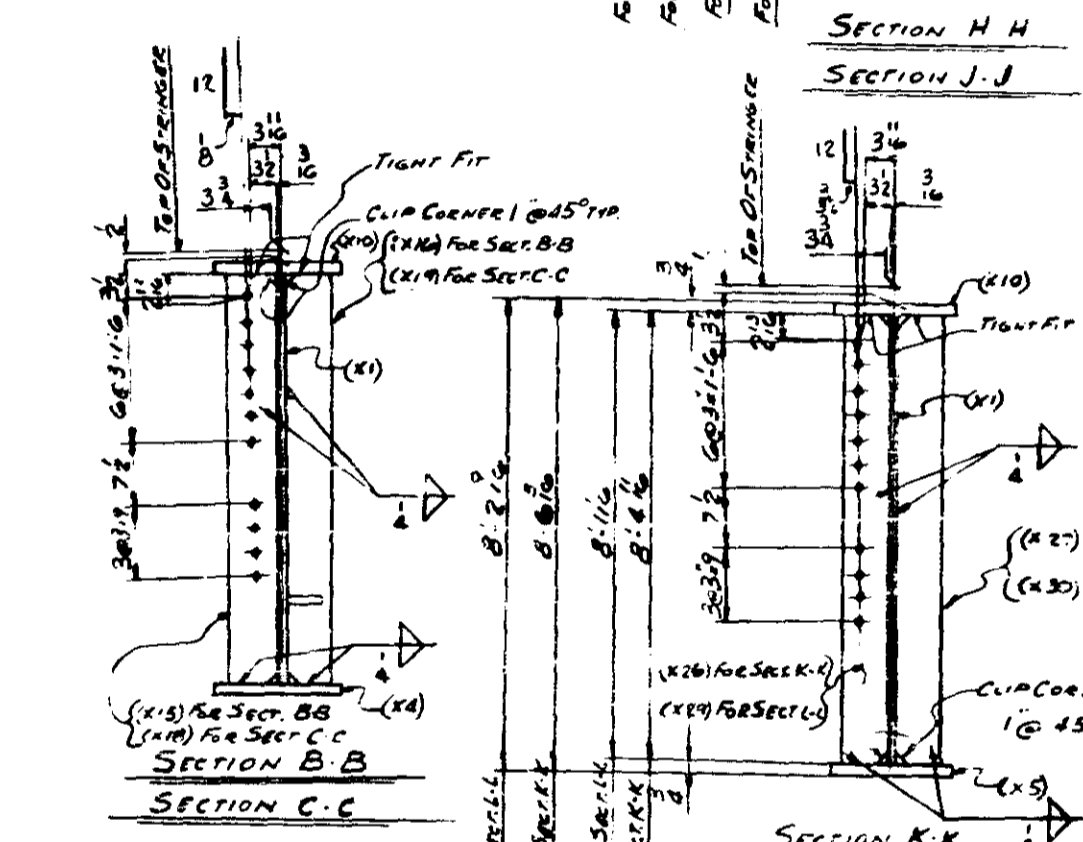
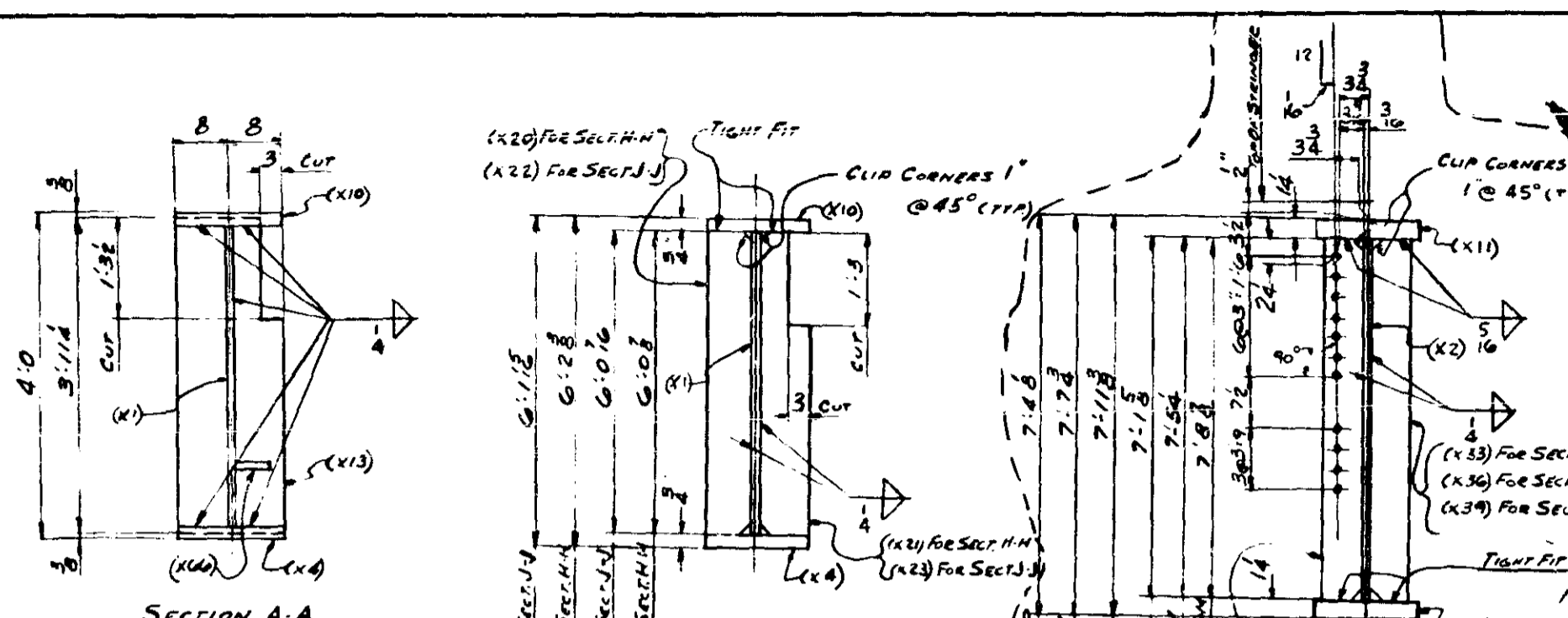
DETAILS OF SOUTH END FLOOR BEAM
 STRUCTURE BRIDGE #940

LOCATION MINNEAPOLIS, MINNESOTA
 OWNER MINNESOTA STATE HWY. DEPT.

CONTRACT 3142 DIV. 10 FABCOD 284 SHEET 1018BC

MINN. PROJ. NO. 1-16 35W 3(58) 112
 STATE PROJ. NO. 2723 1540B(435 W/4) U 4

REVISIONS	DATE	BY	CHKD.
1	11-22-66	LO	LO
2	10/18/66	LO	LO



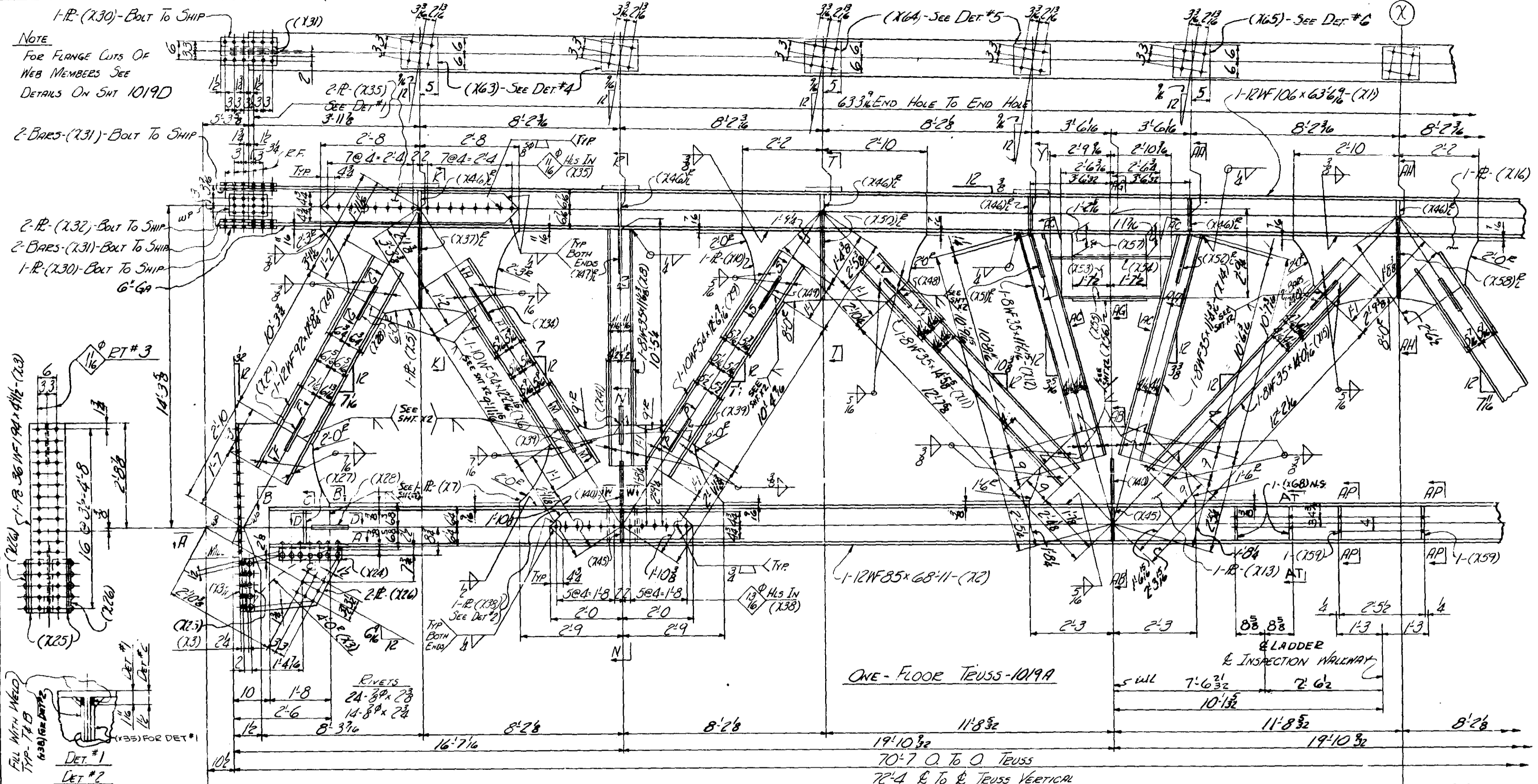
LINE	SHIP MK.	N°	SHAPE	LENGTH	PC MK	R. MARKS	ITEM NO.	BID ITEM	TOTAL WEIGHT	MHD PRICE
75		21	BAR 4x8	3	118	X70	13021	59	9.18	3300
76		1	BAR 4x8	3	5	X71	5628	59	2.2	3300
77		1	BAR 4x8	3	47	X72	5676	59	19	3300
78		1	BAR 4x8	3	76	X73	5621	59	21	3300
79		1	BAR 4x8	2	26	X74	5622	59	13	3300
80		1	BAR 4x8	1	8	X75	5623	59	12	3300
81			1/4 WLD	150	0				116	
82			3/4 WLD	367	0				116	
83			FILLS 16x8	2	5	X76			49	3300
84			BID ITEM	59					288 7/16	

LINE	SHIP MK.	NO	SHAPE	LENGTH	PC MK	REMARKS	ITEM NO.	BID ITEM	TOTAL WEIGHT	MHD PRICE
1										
2	108A	ONE	FLOOR BEAM (110x108-6)							
3		1	R 108x8	32.3	X1		5502	59	4472	3300
4		1	R 93x8	36.0	X2		5503	59	4312	3300
5		1	R 78 x 8	40.3	X3		5504	59	4003	3300
6		1	R 16x8	15.10	X4	M.I.E. BENT	5505	59	649	3300
7		1	R 16x8	13.2	X5	U.M.	5506	59	540	3300
8		1	R 16x8	44.0	X6	U.M.	5507	59	2972	3300
9		1	R 16x8	13.3	X7	U.M.	5508	59	631	3300
10		1	R 16x8	20.5	X8	U.M.	5509	59	976	3300
11		1	R 16x8	2.28	X9	M.ZE.	5510	59	104	3300
12		1	R 16x8	28.9	X10	U.M.	5511	59	1174	3300
13		1	R 16x12	44.0	X11	U.M.	5512	59	2984	3300
14		1	R 16x8	35.9	X12	U.M.	5513	59	1703	3300
15		1	R 16x8	3.14	X13		5514	59	80	3300
16		1	R 16x8	5.18	X14		5515	59	104	3300
17		1	BAR 5x8	4.28	X15		5516	59	29	3300
18		1	BAR 5x8	4.28	X16		5516	59	29	3300
19		2	BAR 5x8	4.112	X17		5517	59	70	3300
20		1	BAR 5x8	5.8	X18		5518	59	40	3300
21		1	BAR 5x8	5.8	X19		5518	59	40	3300
22		1	BAR 7x8	6.0	X20	M.I.E.	5519	59	100	3300
23		1	BAR 7x8	6.0	X21	M.I.E.	5519	59	100	3300
24		1	BAR 7x8	6.0	X22	M.I.E.	5520	59	99	3300
25		1	BAR 7x8	6.0	X23	M.I.E.	5520	59	99	3300
26		1	BAR 7x8	8.5	X24		5521	59	140	3300
27		1	BAR 7x8	8.5	X25		5521	59	140	3300
28		1	BAR 5x8	8.4	X26		5522	59	59	3300
29		1	BAR 5x8	8.4	X27		5522	59	59	3300
30		2	BAR 5x8	8.28	X28		5523	59	116	3300
31		1	BAR 5x8	8.116	X29		5524	59	57	3300
32		1	BAR 5x8	8.116	X30		5524	59	57	3300
33		2	BAR 5x8	7.104	X31		5525	59	111	3300
34		1	BAR 5x8	7.88	X32		5526	59	54	3300
35		1	BAR 5x8	7.88	X33		5526	59	54	3300
36		2	BAR 5x8	7.716	X34		5527	59	106	3300
37		1	BAR 5x8	7.54	X35		5528	59	52	3300
38		1	BAR 5x8	7.54	X36		5528	59	52	3300
39		2	BAR 5x8	7.316	X37		5529	59	102	3300
40		1	BAR 5x8	7.18	X38		5530	59	50	3300
41		1	BAR 5x8	7.18	X39		5530	59	50	3300
42		2	BAR 5x8	7.0	X40		5531	59	98	3300
43		1	BAR 5x8	6.102	X41		5532	59	48	3300
44		1	BAR 5x8	6.102	X42		5532	59	48	3300
45		2	BAR 5x8	6.816	X43		5533	59	94	3300
46		1	BAR 5x8	6.6	X44		5534	59	46	3300
47		1	BAR 5x8	6.6	X45		5534	59	46	3300
48		2	BAR 5x8	6.516	X46		5535	59	90	3300
49		1	BAR 5x8	6.314	X47		5536	59	44	3300
50		1	BAR 5x8	6.314	X48		5536	59	44	3300
51		2	BAR 5x8	6.18	X49		5537	59	86	3300
52		1	BAR 5x8	5.116	X50		5538	59	42	3300
53		1	BAR 5x8	5.116	X51		5538	59	42	3300
54		1	BAR 7x8	5.104	X52		5539	59	96	3300
55		1	BAR 7x8	5.104	X53		5539	59	96	3300
56		1	BAR 7x8	3.316	X54	M.I.E.	5540	59	55	3300
57		1	BAR 7x8	3.316	X55	M.I.E.	5540	59	55	3300
58		1	BAR 7x8	5.98	X56		5541	59	95	3300
59		1	BAR 7x8	5.98	X57		5541	59	95	3300
60		1	BAR 5x8	5.8	X58		5542	59	40	3300
61		1	BAR 5x8	5.8	X59		5542	59	40	3300
62		2	BAR 5x8	5.62	X60		5543	59	78	3300
63		1	BAR 5x8	5.4	X61		5544	59	38	3300
64		1	BAR 5x8	5.4	X62		5544	59	38	3300
65		2	BAR 5x8	5.216	X63		5545	59	73	3300
66		1	BAR 5x8	5.1	X64		5546	59	36	3300
67		1	BAR 5x8	5.1	X65		5546	59	36	3300
68		1	BAR 4x8	1.716	X66		5547	59	9	3300
69		2	BAR 4x8	4.076	X67		5548	59	46	3300
70		1	BAR 4x8	3.6	X68		5549	59	20	3300
71		1	BAR 4x8	2.316	X69		5550	59	13	3300

Notes:
 FOR BUTT WELD INSPECTION
 SEE SHIP W I
 FOR GEN NOTES SEE SHIP GNI
 FOR INSPECTION OF WELLS SEE NOTE ON SHIP GNI
 MARL SPECS SEE BILL OF MARL.
 APPROX WT = 132 TONS

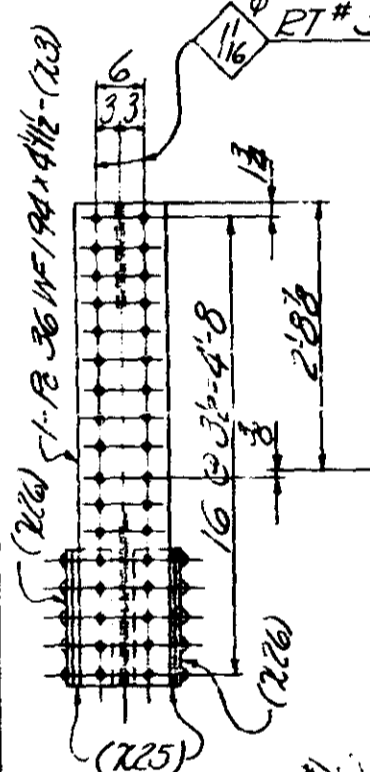
MINN. PROJ. NO. 2-IG 95N-3(58)/112
 STATE PROJ. NO. 2783-92-1-1-394
 DIVISION # 10
 HAMMOND FAB
 OPEN HOLES 1/2" UN RIVETS & BOLTS NONE PAINT YES SEE SHIP GNI
 DRAWN BY L.O. DATE 2-17-66 CHECKED BY DATE
 REVISIONS: A 10-18-66, B 11-22-66

ALLIED STRUCTURAL STEEL COMPANY
 1400 NORTH STREET HAWKING, MINN. 55102
 DETAILS OF SOUTH END FLOOR BEAM
 STRUCTURE BRIDGE #9340
 LOCATION MINNEAPOLIS, MINNESOTA
 OWNER MINNESOTA STATE HWY. DEPT.
 CUSTOMER MINNESOTA STATE HWY. DEPT.
 CONTRACT 3142 FARCOD 284 SHEET 1018C

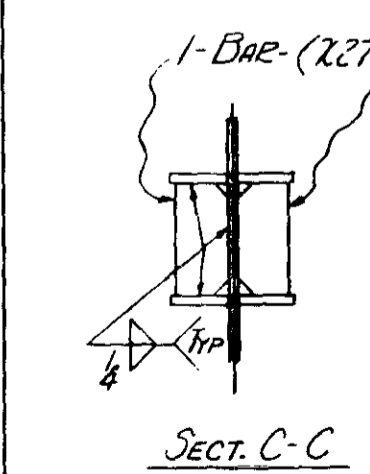


NOTE
 FOR FLANGE CUTS OF
 WEB MEMBERS SEE
 DETAILS ON SHIT 1019D

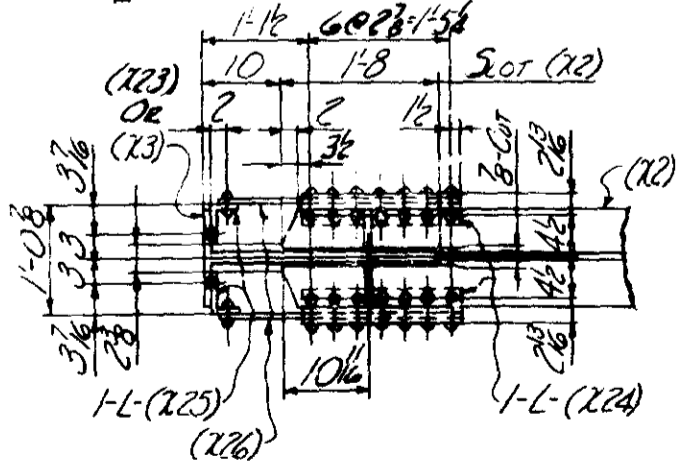
1-R. (X30)-BOLT TO SHIP
 2-BARS (X31)-BOLT TO SHIP
 2-R. (X32)-BOLT TO SHIP
 2-BARS (X31)-BOLT TO SHIP
 1-R. (X30)-BOLT TO SHIP
 6" GA



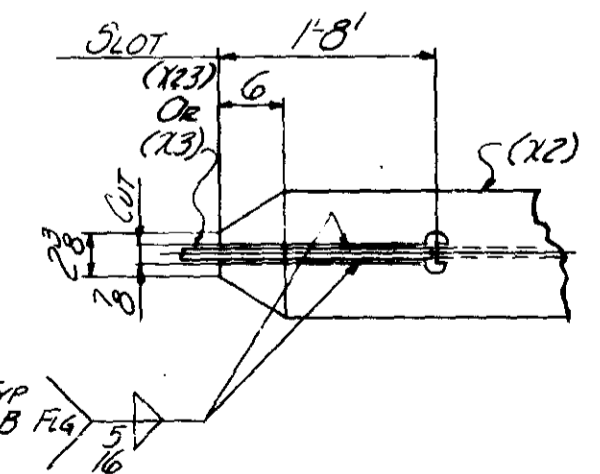
FULL WITH WELD
 TYP. T-8
 (X35) FOR DET #1
 DET #1
 DET #2



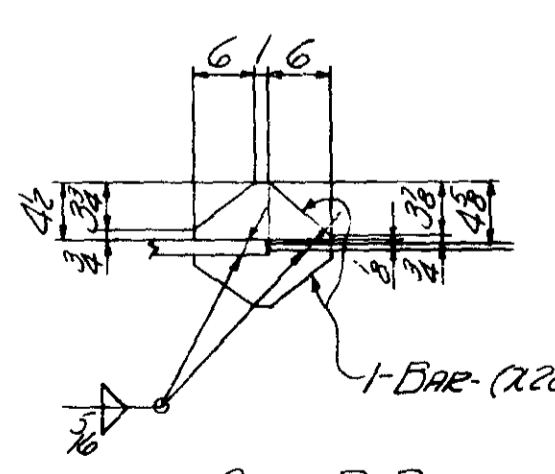
SECT. C-C



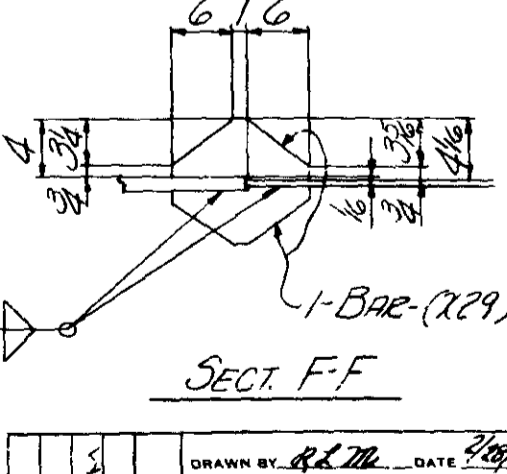
SECT. A-A
 SECT. AN-AN (OPP. HD.)



SECT. B-B
 SECT. AM-AM (OPP. HD.)



SECT. D-D



SECT. F-F

ONE-FLOOR TRUSS-1019A
 70'-7" O. to O. TRUSS
 72'-4" & to & TRUSS VERTICAL

LADDER & INSPECTION WALKWAY
 5' W/L 7'-6 3/4" 7'-6 3/4"
 10'-1 1/2"
 11'-8 3/4"
 19'-10 3/4"
 19'-10 3/4"
 8'-2 3/4"

(X) MATCH LINE

MINN. PROJ. NO. I-1635W-3(58)112
 STATE PROJ. NO. 2783-9340B (I-1635W:394)

ALLIED STRUCTURAL STEEL COMPANY
 CHU NEEDS FABRICATORS & Erectors
 1422 15TH STREET, HARBOR, MINN. 55412

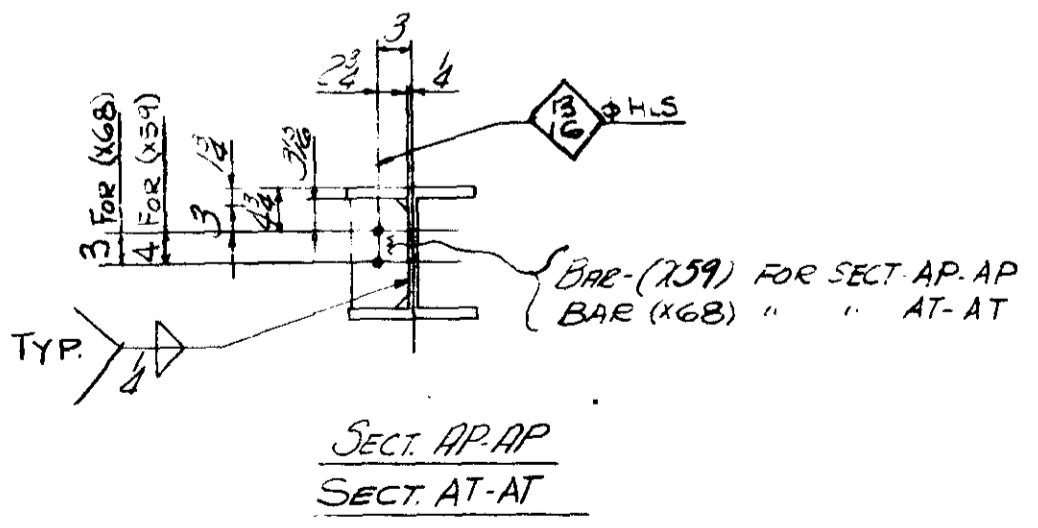
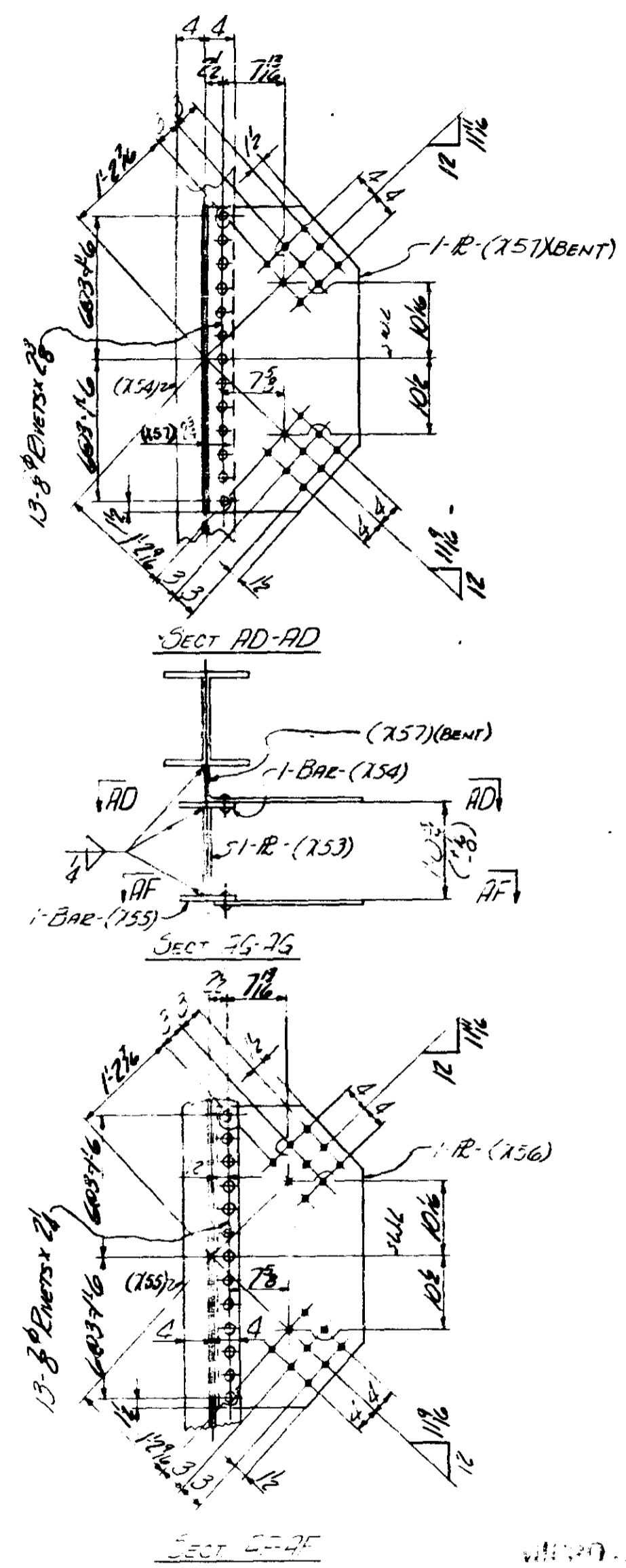
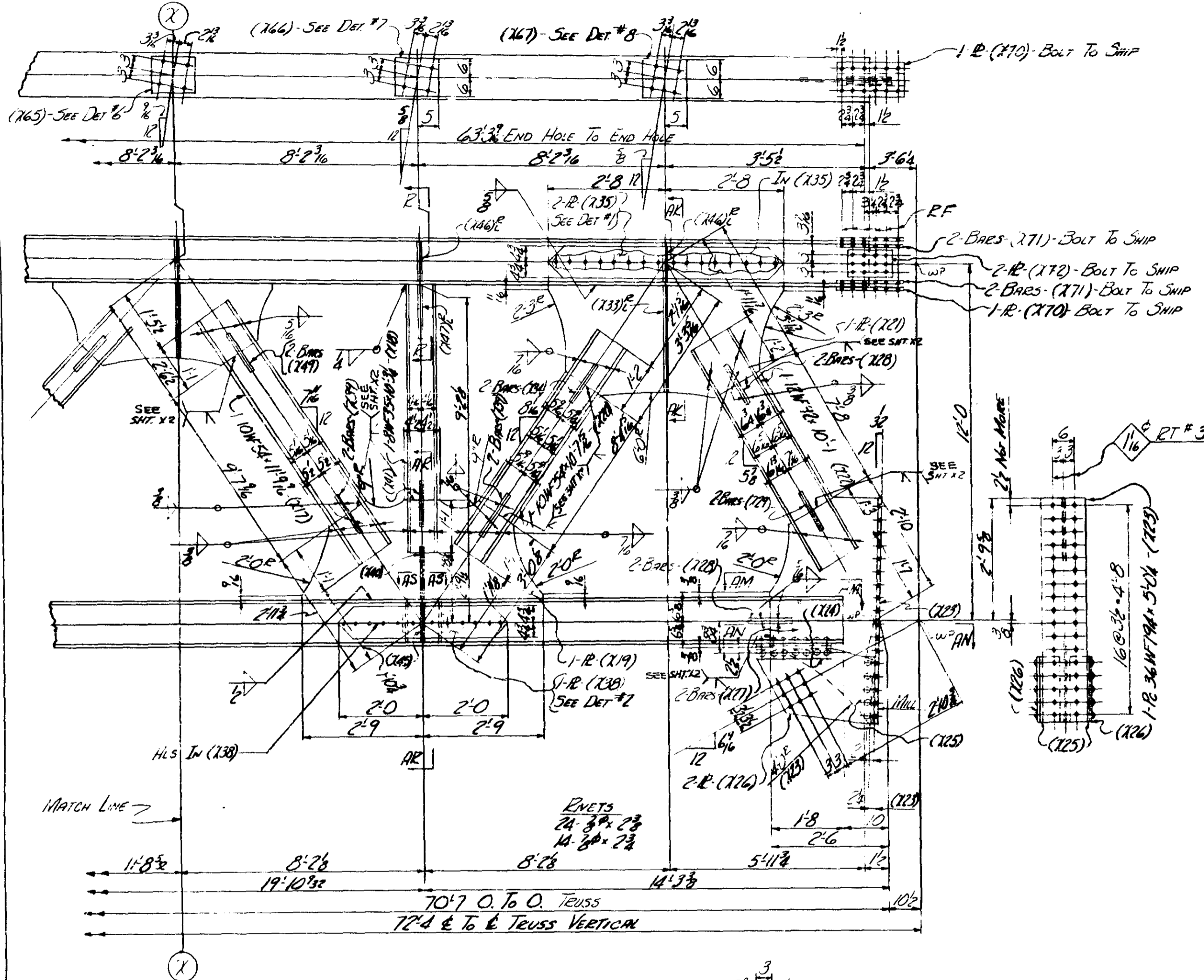
DETAILS OF FLOOR TRUSS TO U1
 STRUCTURE BRIDGE NO. 9340

LOCATION MINN. EAPOLIS, MINN.
 OWNER MINN. STATE HWY DEPT

CONTRACT 3142 DIV. FABCOD 244 SHEET 1019AD

REVISIONS	DATE	BY	APP'D
1	10/10/60		
2			
3			
4			

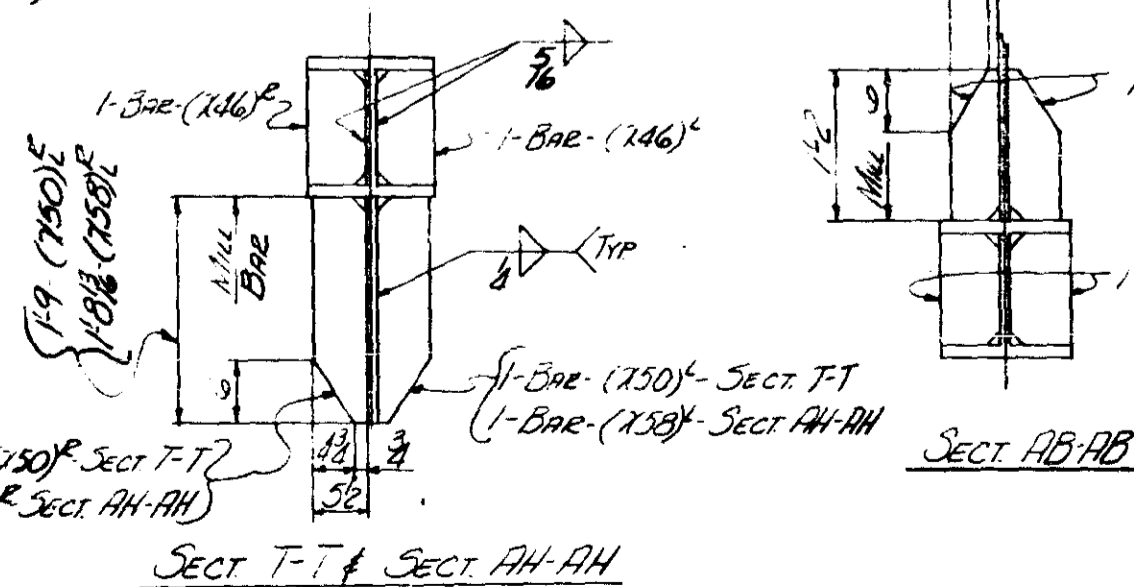
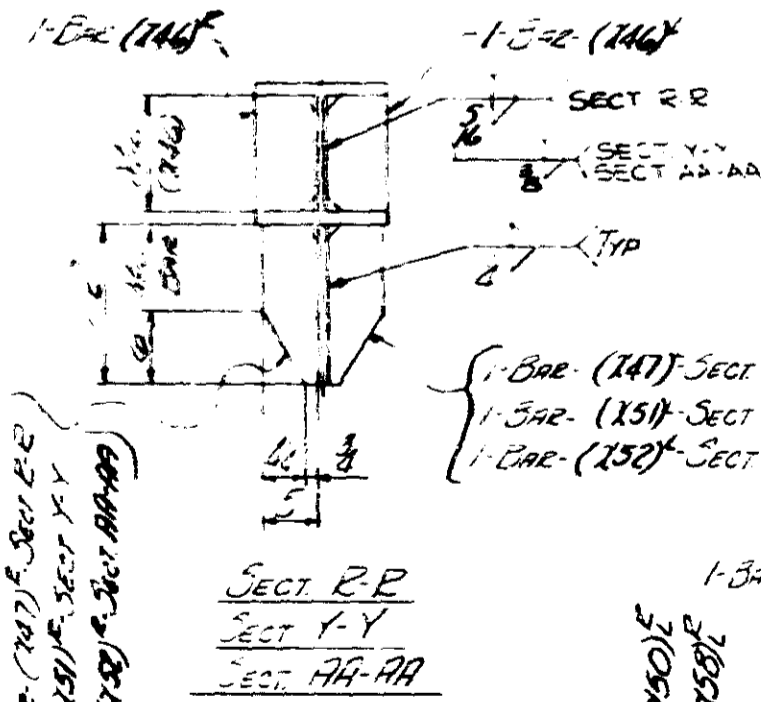
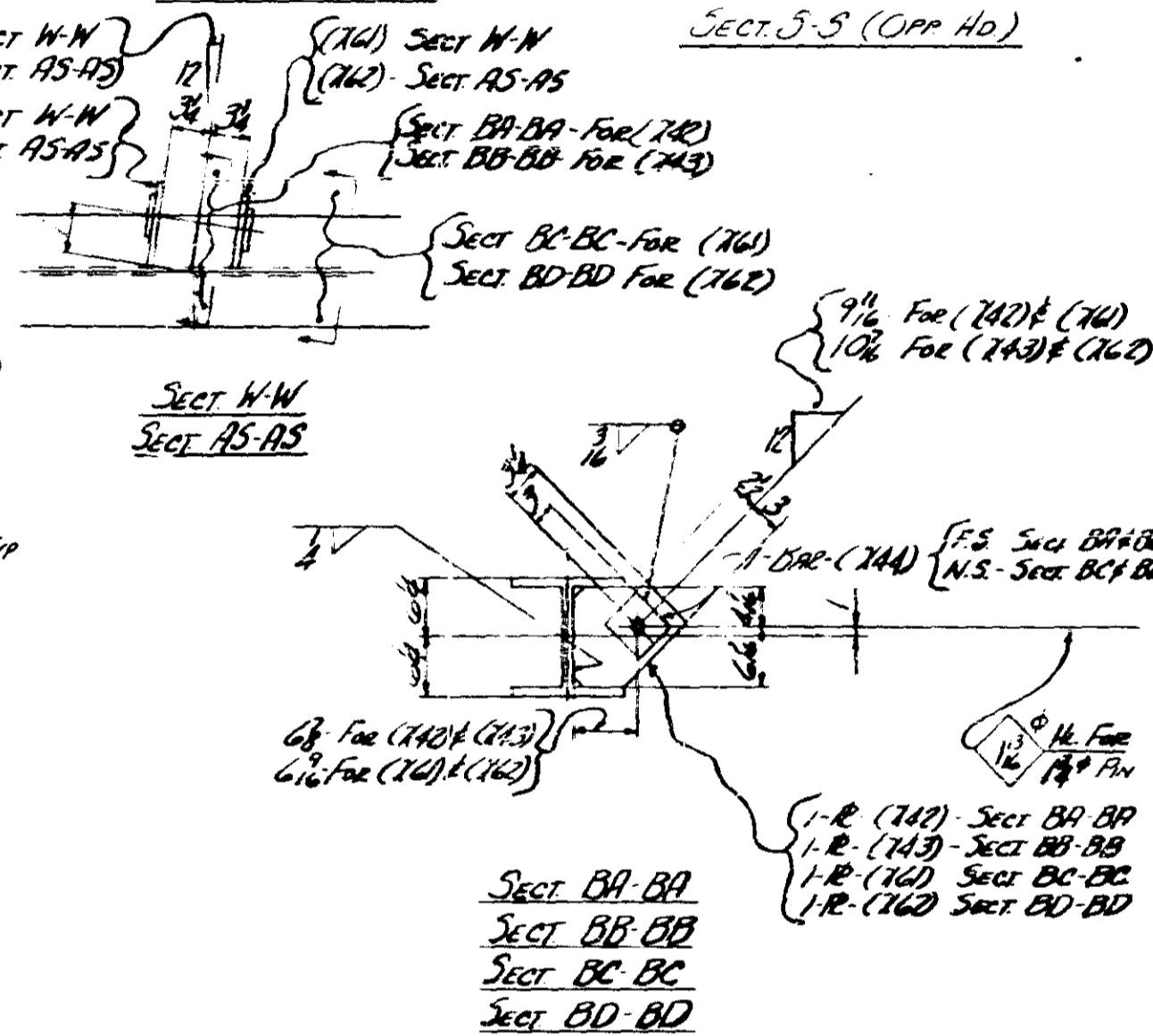
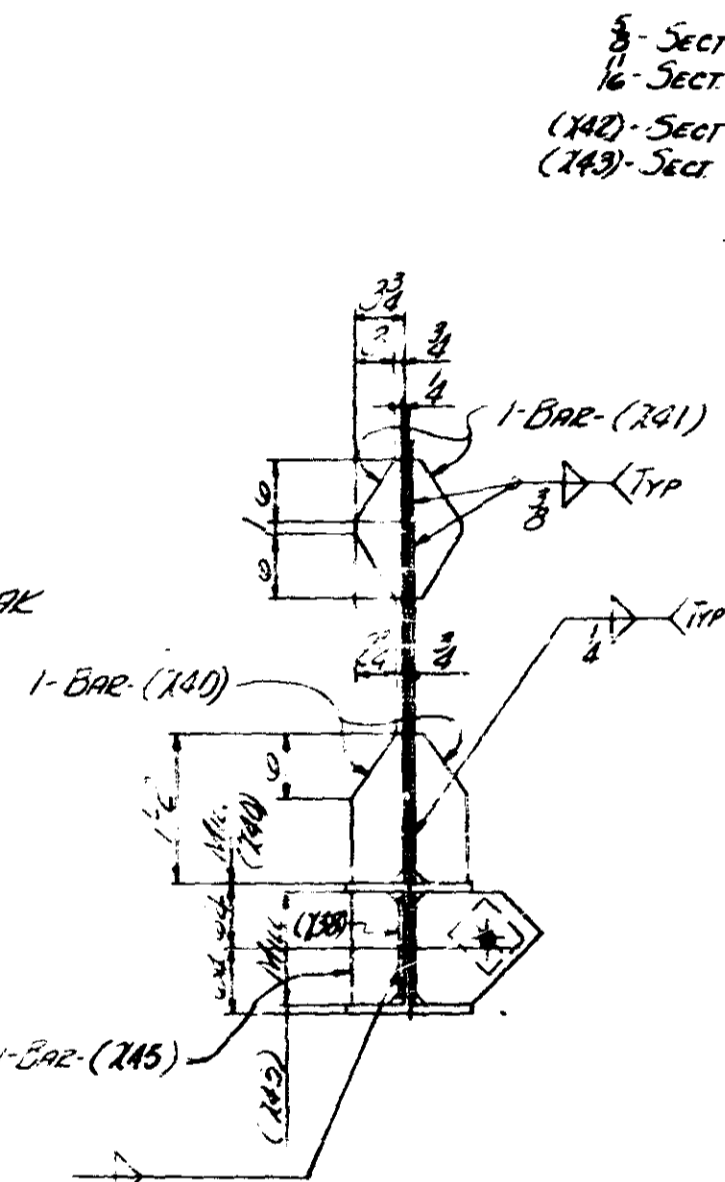
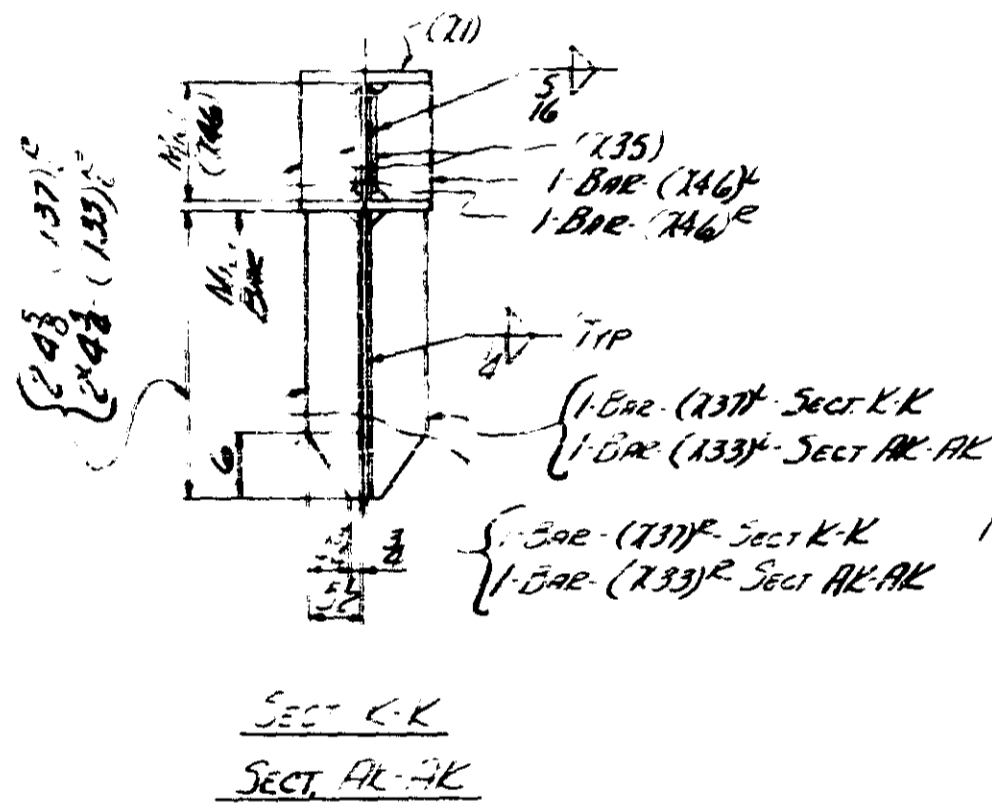
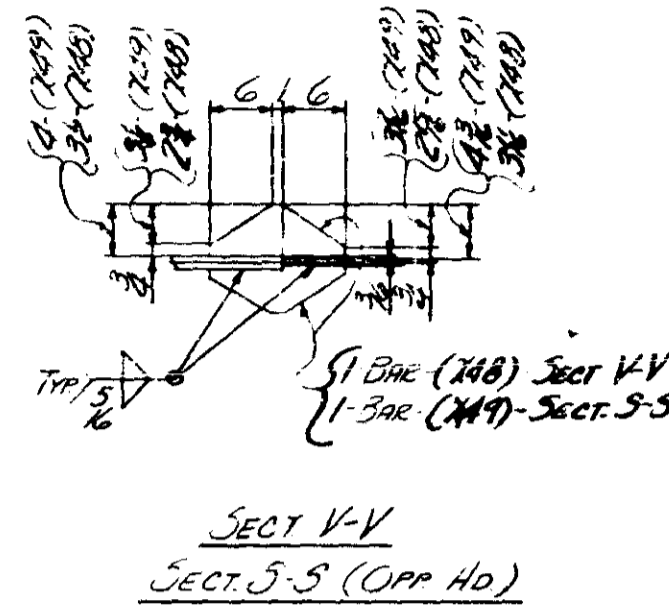
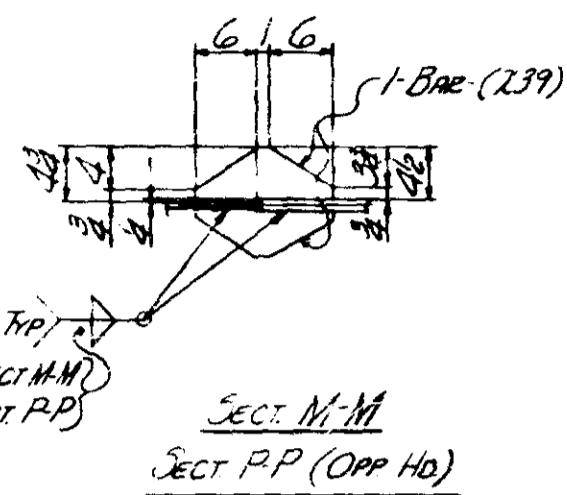
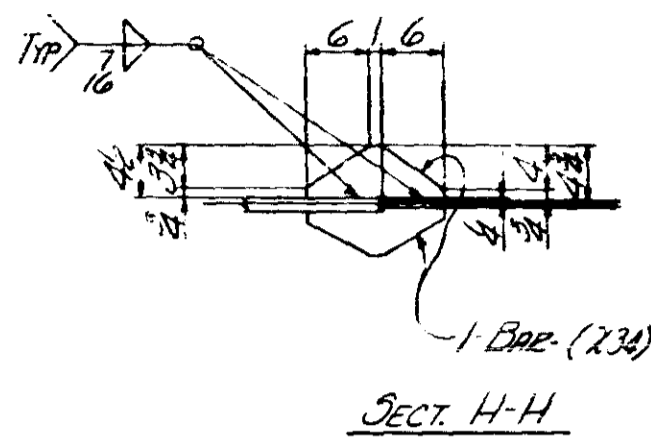
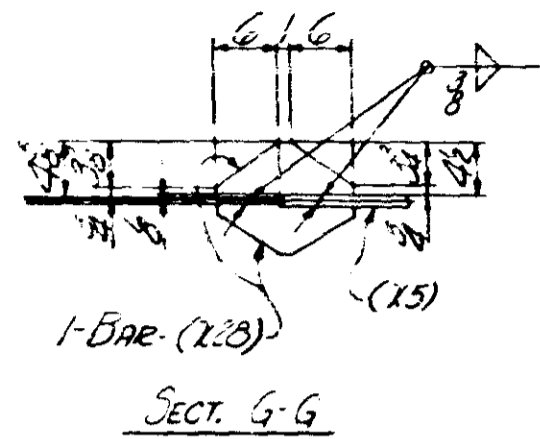
DRAWN BY R.M. DATE 9/29/60
 CHECKED BY W.L. DATE 10/3/60
 IN CHARGE J. NEWELL
 FAB. PLANT CLINTON
 REFERENCE DWGS.



MINN PROJ NO I:1635W-3(58)112
STATE PROJ NO 2783-9340B (TH35W-394)

ALLIED STRUCTURAL STEEL COMPANY		DETAILS OF FLOOR TRUSS @ U1 BRIDGE NO. 9340	
DRAWN BY R.M. DATE 2/29/00		IN CHARGE OF	
CHECKED BY DATE 3/15/00		LOCATION MINNEAPOLIS, MINN	
FAB PLANT CLINTON		OWNER MINN. STATE HWY DEPT.	
REFERENCE DWGS		CONTRACT 3142	
		DIV. FABCOD 244	
		SHEET 1019 BD	

REVISIONS	DATE	BY
1		
2		
3		
4		



NO	SHIP	NO	SHAPE	LENGTH	PC	REMARKS	ITEM	BID	TOTAL	MHD
1	NO	REQ			MR		NO	PRIC	WEIGHT	SECS
1	0000	1	FLOOR TRUSS			(225' x 70' 7")				
6		1	12WF106	63.69	21	SEE PLAN FOR				
7		1	12WF106	28.6		FOR LANE 6		59	3021	3306
8		2	12WF65	17.68				59	2280	3306
9		1	12WF85	63.11	22			59	6868	3306
12		1	2 L 30WF194	4.12	13	M.F.G.		59	962	3306
13		1	12WF92	12.89	14			59	1171	
14		1	R 30 x 8	5.4	15			59	476	
15		1	10WF54	12.26	16			59	661	
16		1	R 27 x 8	5.6	17			59	462	
17		1	2WF35	11.39	18			59	404	
18		1	10WF54	12.26	19			59	678	
19		1	R 27 x 8	5.6	20			59	281	
20		1	2WF35	14.55	21			59	606	
21		1	2WF35	11.39	22			59	405	
22		1	R 27 x 8	4.6	23			59	176	
23		1	2WF35	11.39	24			59	397	
24		1	2WF35	14.06	25			59	490	
25		1	R 27 x 8	5.6	26			59	281	
26		1	10WF54	11.39	27			59	637	
27		1	2WF35	10.36	28			59	359	
28		1	R 27 x 8	3.6	29			59	142	
29		1	10WF54	10.36	30			59	676	
30		1	R 30 x 8	5.4	31			59	476	
31		1	12WF92	10.1	32			59	928	
32		1	2 L 30WF194	5.4	33	M.F.G.		59	974	
33		4	L 4 x 4 x 1/2	1.34	34			59	66	
34		4	L 5 x 5 x 1/2	2.29	35			59	61	
35		4	R 19 x 8	2.62	36			59	335	
36		4	2 L 4 x 4 x 1/2	2.68	37			59	25	3306
37		2	3AR 3 1/2 x 3 1/2	1.1	38			59	72	3306
38		2	3AR 4 x 4	1.1	39			59	23	3306
39		4	3AR 4 x 4	1.1	40			59	52	
40		1	2 R 10 x 2	1.04	41			59	31	
41		2	R 10 x 2	1.04	42			59	23	3306
42		4	2 R 9 x 3	1.04	43			59	41	3306
43		2	R 9 x 3	1.04	44			59	45	3306
44		4	3AR 5 x 5	1.1	45			59	215	3306
45		4	3AR 5 x 5	1.1	46			59	41	3306
46		4	3AR 5 x 5	1.1	47			59	45	3306
47		4	R 9 x 3	5.4	48			59	215	3306
48		2	3AR 5 1/2 x 5 1/2	2.45	49			59	41	3306
49		1	3AR 5 1/2 x 5 1/2	2.45	50			59	41	3306
50		2	R 9 x 3	2.0	51			59	97	3306
51		8	3AR 4 x 4	1.1	52			59	73	3306
52		1	3AR 4 x 4	1.1	53			59	49	3306
53		6	3AR 5 x 5	1.1	54			59	16	3306
54		3	3AR 5 x 5	1.1	55			59	13	
55		4	3AR 5 x 5	1.1	56			59	10	
56		1	3AR 5 x 5	1.1	57			59	25	
57		1	R 11 x 3	2.08	58			59	136	3306
58		1	R 11 x 3	2.08	59			59	33	3306
59		1	R 11 x 3	2.08	60			59	13	
60		1	R 11 x 3	2.08	61			59	10	
61		2	3AR 5 x 5	1.1	62			59	25	
62		2	3AR 5 x 5	1.1	63			59	136	3306
63		16	3AR 5 x 5	1.1	64			59	33	3306
64		4	3AR 5 x 5	1.1	65			59	16	3306
65		2	3AR 5 x 5	1.1	66			59	16	3306
66		4	3AR 5 x 5	1.1	67			59	23	3306
67		1	3AR 5 x 5	1.1	68			59	23	3306
68		4	3AR 5 x 5	1.1	69			59	29	3306
69		2	3AR 5 x 5	1.1	70			59	29	3306
70		2	3AR 5 x 5	1.1	71			59	29	3306

MINN PROJ. NO. 21635W-3 (58) 112
STATE PROJ. NO. 2783-93408 (7N35W-394)

CLINTON FAB

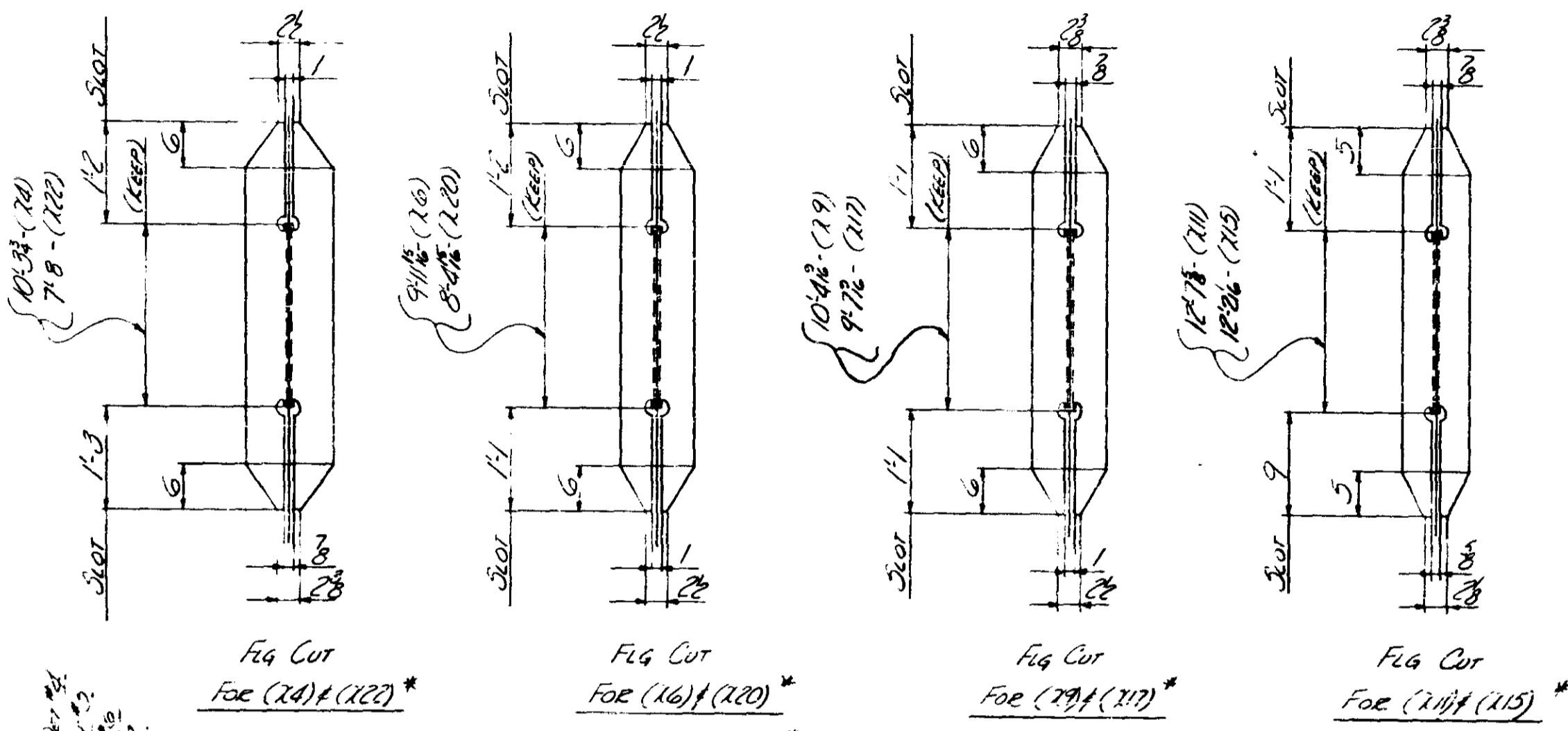
ALLIED STRUCTURAL STEEL COMPANY
1111 15TH STREET MINNEAPOLIS, MINN. 55403

DETAILS OF FLOOR TRUSS @ U1
BRIDGE NO. 9340
LOCATION: MINNEAPOLIS, MINN.
OWNER: MINN. STATE HWY. DEPT.
CUSTOMER: MINN. STATE HWY. DEPT.

DRAWN BY: RLM DATE: 7/26/64 CHECKED BY: DATE: 8/1/64

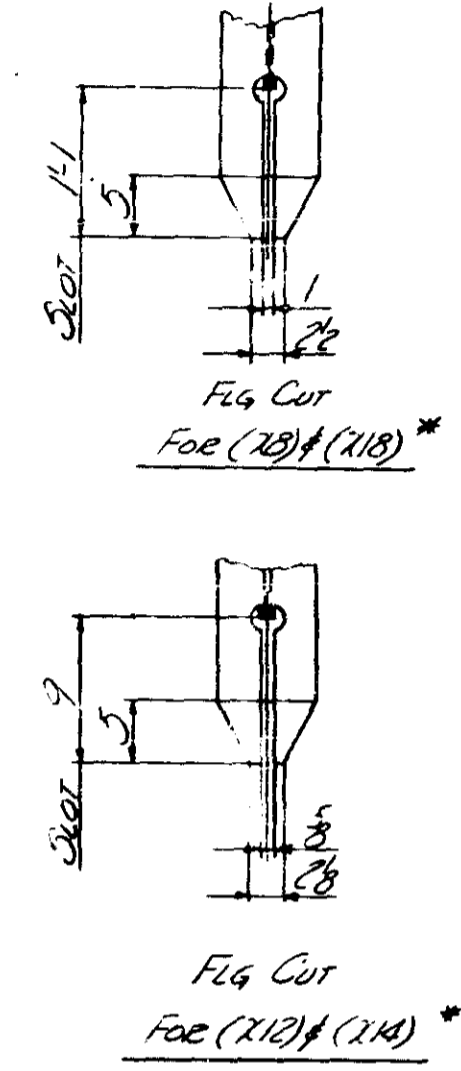
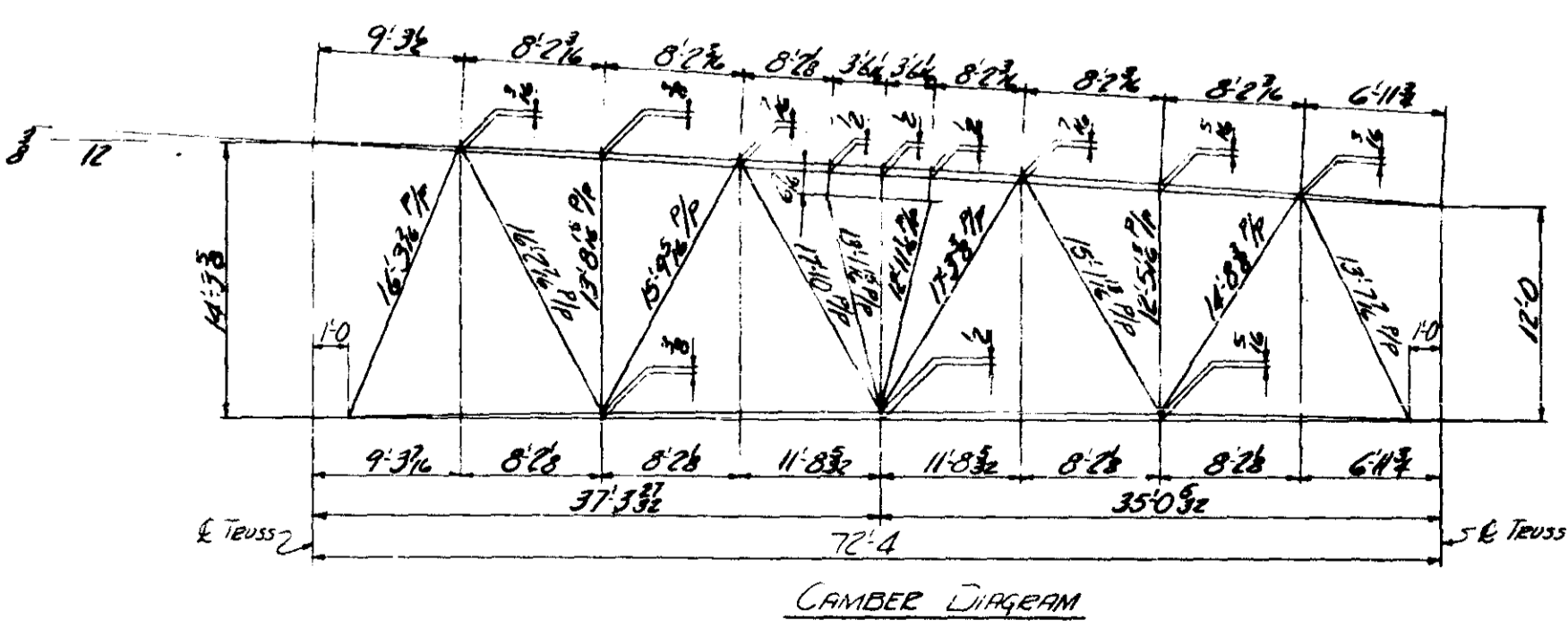
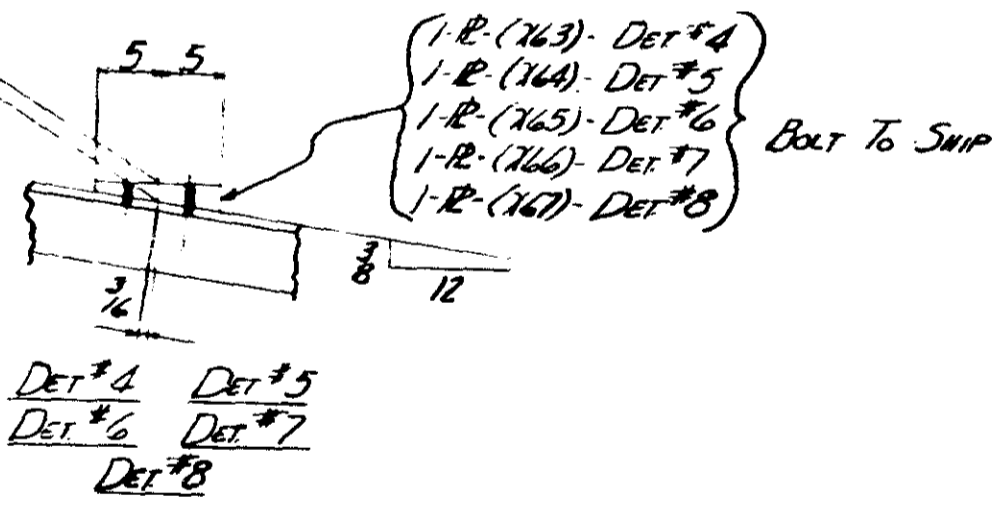
REVISIONS: [] [] [] []

CONTRACT: 3142 FABCOD: 244 SHEET: 1019CD



* SEE SHTS X. & X2 FOR BEVEL CUTS FOR WELDS

1/2" Det #4
1/2" Det #5
1/2" Det #6
1/2" Det #7
1/2" Det #8



SHOP NOTE
FOR GEN NOTES SEE SHT GNI.
FOR MRTL SPECS SEE BUL. OF MTL.
ALL CLIPPED CORNERS NOT
DIMENSIONED SHALL BE CUT
1/2 @ 45°
FOR X-RAY IDENTIFICATION NO.
SEE SHT W-1
FOR WELD SEQUENCE AND WELDING
OF TRUSS WEB MEMBERS SEE SHT X1 & X2
FOR INSPECTION OF WELDS SEE
NOTE ON SHT GNI-1

MINN. PROJ. No. I-IG35W-3(58)112
STATE PROJ. No. 2783-93408(TN35W-39A)

ITEM NO.	QTY	SHAPE	LENGTH	PC	REMARKS	WT	TOTAL WEIGHT	NO
72	2	BAR 5x2	1 2/4	154	SEE SHT GNI FOR WELD	59	17	3306
73	1	BAR 5x2	1 1/2	154	SEE SHT GNI FOR WELD	59	17	3306
74	2	BAR 5x2	1 2/4	154	SEE SHT GNI FOR WELD	59	17	3306
75	1	BAR 5x2	1 1/2	154	SEE SHT GNI FOR WELD	59	17	3306
76	1	R 12x3	5 7/8	154	SEE SHT GNI FOR WELD	86		
77	1	BAR 8x3	5 7/8	154	SEE SHT GNI FOR WELD	58		
78	1	BAR 8x3	5 0/8	155	SEE SHT GNI FOR WELD	52		
79	1	R 18x3	3 3/8	156	SEE SHT GNI FOR WELD	75		
80	1	R 34x2	3 3/8	157	BENT SEE SHT GNI FOR WELD	59	188	3306
81	2	BAR 5x2	1 2/4	154	SEE SHT GNI FOR WELD	59	29	3306
82	1	BAR 5x2	3 1/2	159	SEE SHT GNI FOR WELD	59	29	3306
83	2	BAR 5x2	0 10/16	159	SEE SHT GNI FOR WELD	13		
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ALLIED STRUCTURAL STEEL COMPANY
ENGINEERS ARCHITECTS FABRICATORS RECORDERS
1215 13TH STREET MINNEAPOLIS, MINN.

DETAILS OF FLOOR TRUSS @ U1
STRUCTURE BRIDGE No. 9340
LOCATION MINNEAPOLIS, MINN.
OWNER MINN. STATE HWY DEPT.
CUSTOMER MINN. STATE HWY DEPT.

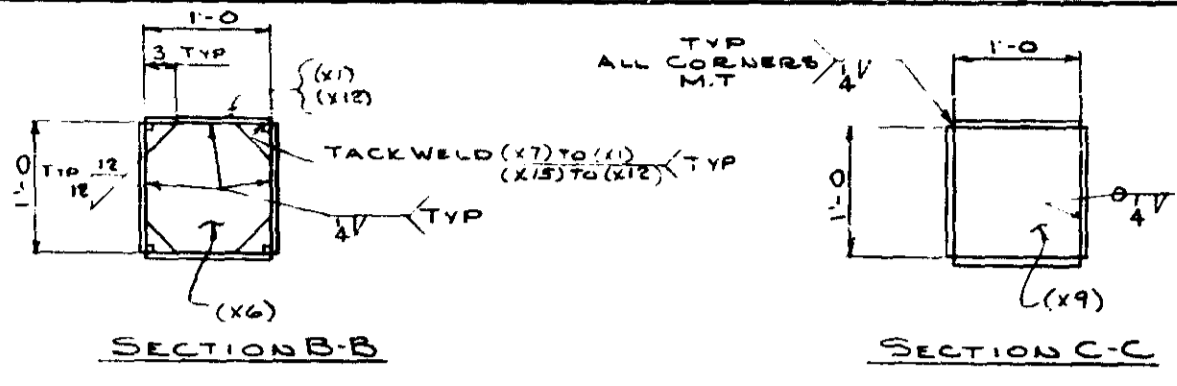
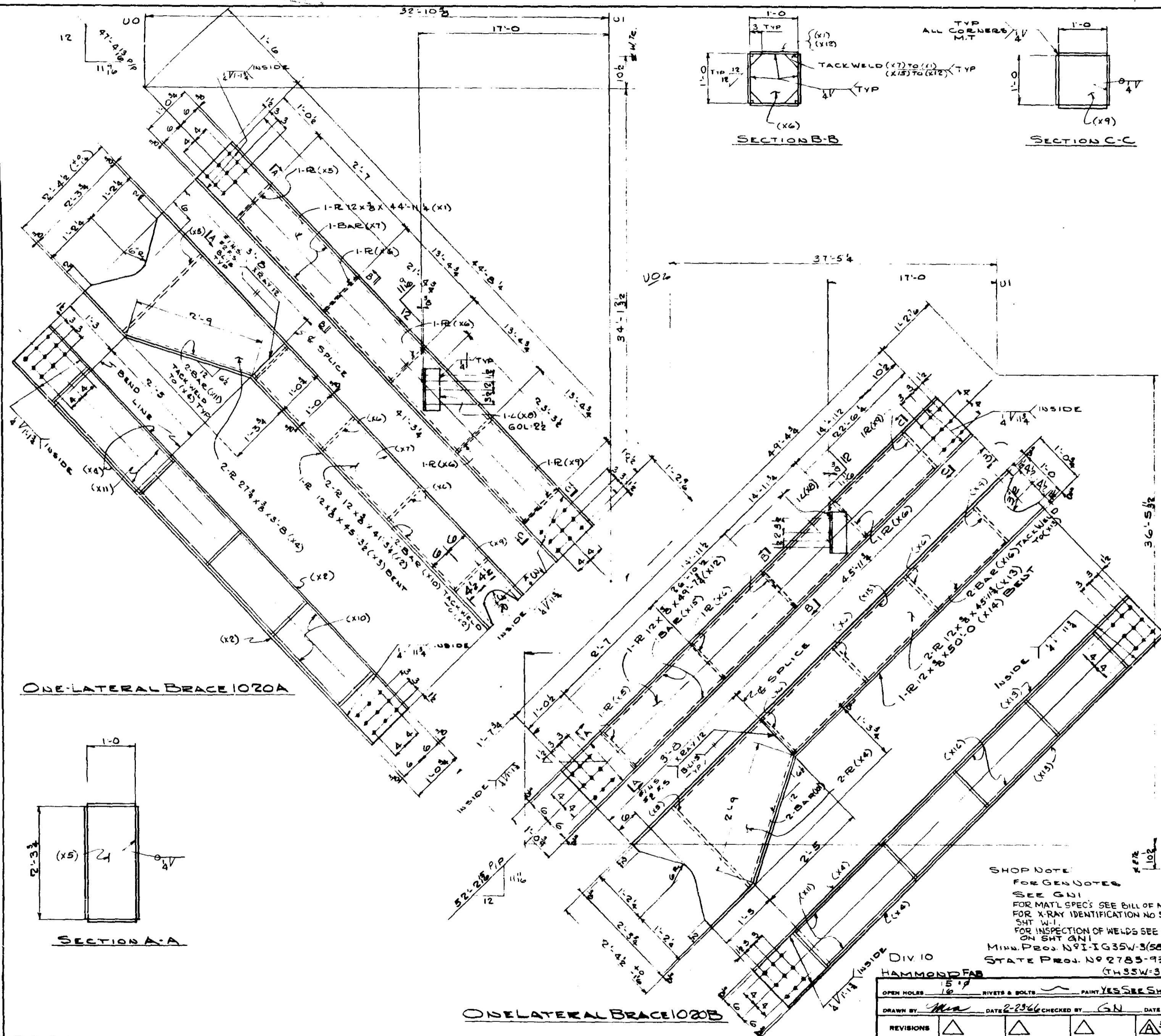
CLINTON FAB DIV #10

OPEN HOLES 1/2" UN RIVETS 3" PAINT YES SEE SHT GNI

DRAWN BY R.T.M. DATE 7/21/66 CHECKED BY K.L.K. DATE 8/5/66

REVISIONS: Δ 10/18/66 Δ 1/13/67 KEM Δ Δ

CONTRACT 3142 FABCOD 244 SHEET 1019 D



LINE NO.	QTY	MEMBER	SIZE	LENGTH	PC MK	REMARKS	ITEM NO.	TOTAL WEIGHT (LBS)	TOTAL WEIGHT (KGS)
6	1	ONE	LATERAL BRACE	(29' x 45' 0")					
7	1	R	12x8	44 11/16	X1		2702	59	688
8	2	R	12x8	41 5/8	X2		2704		1263
9	1	R	12x8	45 3/8	X3	BENT	2703		693
10	2	R	27x8	3 0	X4		2710		259
11	1	R	12x8	2 3/4	X5		2711		35
12	3	R	12x8	1 0	X6		2712		46
13	2	BAR	3x8	42 8/16	X7		2705		91
14	1	L	4x4x8	0 10	X8		6018		8
15	1	R	12x8	1 0	X9		2718		15
16	2	BAR	3x8	40 3	X10		2705		37
17	2	BAR	3x8	2 0	X11		2705	59	3
18									
19	1	F.W.	4	206 0					NC
20									
21									
22									
23	1	ONE	LATERAL BRACE	(29' x 50' 0")					
24	1	R	12x8	49 7/8	X12		2706	59	760
25	2	R	12x8	45 1/2	X13		2707		1407
26	1	R	12x8	50 0	X14	BENT	2707		765
27	2	BAR	3x8	47 5/8	X15		2707		46
28	2	BAR	3x8	44 11/16	X16		2707		43
29	2	R			X4		2710		259
30	1	R			X5		2711		35
31	3	R			X6		2712		46
32	1	L			X8		6018		8
33	1	R			X9		2718		15
34	2	BAR			X11		2705	59	3
35									
36	1	F.W.	4	227 0					NC
37									
38									
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SHOP NOTE:
 FOR GENUOTES
 SEE GNI
 FOR MATL SPECS SEE BILL OF MATL
 FOR X-RAY IDENTIFICATION NO SEE
 SHT W-1
 FOR INSPECTION OF WELDS SEE NOTE
 ON SHT G-1
 MINN. PROJ. NO. 1-IG35W-3(58)112
 STATE PROJ. NO. 2785-9340B
 (H35W-394)

ALLIED STRUCTURAL STEEL COMPANY
 ENGINEERS ARCHITECTS FABRICATORS
 1325 SOUTH STREET, HAMMOND, INDIANA 46320

DETAILS OF: **TOP LATERAL BRACING**
 STRUCTURE: **BRIDGE NO. 9840**
 LOCATION: **MINNEAPOLIS, MINNESOTA**
 OWNER: **MINNESOTA STATE HWY DEPT.**
 CUSTOMER: **MINNESOTA STATE HWY DEPT.**

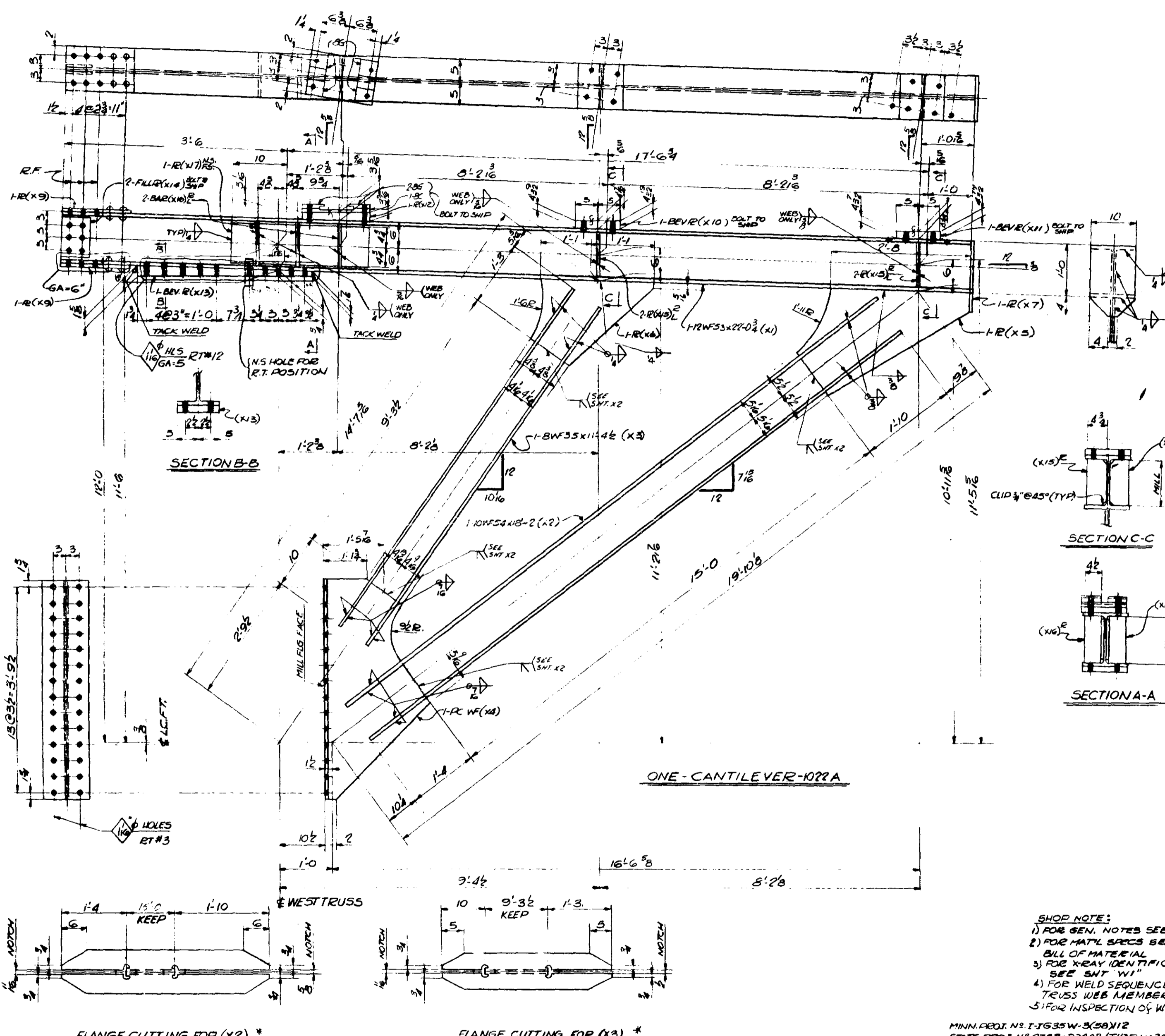
CONTRACT: **3142** FABCOD: **264** SHEET: **1020**

DIV 10
 HAMMOND FAB

OPEN HOLES: 15" RIVETS & BOLTS: PAINT: YES SEE SHT G-1

DRAWN BY: *MA* DATE: 2-23-66 CHECKED BY: *GN* DATE: 3-22-67

REVISIONS: Δ Δ Δ Δ 3-22-67



NO.	SHIP NO.	NO. REQ.	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	TOTAL WEIGHT	MINO. SPEC.
1									
2									
3	DNV.#10		ONE CANTILEVER (166X229)						
4									
5		1	12WF53	22'0 3/4"	X1		59	1169	3306
6		1	10WF34	18'2"	X2			981	
7		1	6WF35	11'4 1/2"	X3			398	
8		1	PC30WF108	4'7"	X4			491	
9		1	R 20 x 8	3'6"	X5			119	
10		1	R 19 x 8	2'5 1/2"	X6			60	
11		1	R 10 x 8	1'4"	X7			17	
12									
13		2	FILL 10 x 1/6	1'2"	X9	NO. 1000			
14		1	20 x (4 1/2 x 1/2)	0'10"	X10	O.I.S.		126	
15		1	R10 x (4 1/2 x 1/2)	0'10"	X11	O.I.S.		124	
16		1	R10 x (3 1/2 x 3/8)	1'3 1/2"	X12	O.I.S.		143	
17		1	R10 x (1 1/2 x 1/2)	3'12"	X13	O.I.S.		93	
18		2	FILL 5/8 x 5/8	0'9"	X14	NO. 1000			
19		4	BAR 4 x 4	0'10 1/2"	X15	M.P.E.		29	
20		6	BAR 4 x 4	0'10 1/2"	X16	M.P.E.		42	
21		10	5/8 S.B.					NC	
22		3	5/8 S.B.					NC	
23		2	R 9 1/2 x 5	2'7"	X17		59	63	3306
24		1	1/4 WLD	24'2"				NC	
25		1	3/8 WLD	7'3"				NC	
26		1	3/8 WLD	23'7 1/2"				NC	
27		1	1/6 WLD	16'4"				NC	
28		4	R			SEE SHIP NO. DETAILS			
29		1	R			DO			
30									
31									
32		2	FILLS 10 x 1/6	0'9"		PARTITION PER LINE 13	59	3	3331
33						SEE SHIP NO. DETAILS			
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SHOP NOTE:
 1) FOR GEN. NOTES SEE GNI
 2) FOR MAT'L SPECS SEE BILL OF MATERIAL
 3) FOR X-RAY IDENTIFICATION NUMBER SEE SHIT W1
 4) FOR WELD SEQUENCE AND WELDING OF TRUSS WEB MEMBERS SEE SHIT XI & X2
 5) FOR INSPECTION OF WELDS SEE SHIT 5X1

ALLIED STRUCTURAL STEEL COMPANY
 ENGINEERS FABRICATORS ERECTORS
 1111 15TH STREET, MINNEAPOLIS, MINN. 55403

DETAILS OF: **CANTILEVER @ FT 1 (WEST TRUSS)**
 STRUCTURE: **BRIDGE NO. 9340**
 LOCATION: **MINNEAPOLIS, MINNESOTA**
 OWNER: **MINNESOTA STATE HWY DEPT.**
 CUSTOMER: **MINNESOTA STATE HWY DEPT.**

MINN. PROJ. NO. 1-1635W-3(38)12
 STATE PROJ. NO. 2733-33408 (7435W-304) **CLINTON FAB**

OPEN HOLES: **1 1/2" DIA.** RIVETS & BOLTS: **3/8"** PAINT: **YES-SEE SHIT GNI**

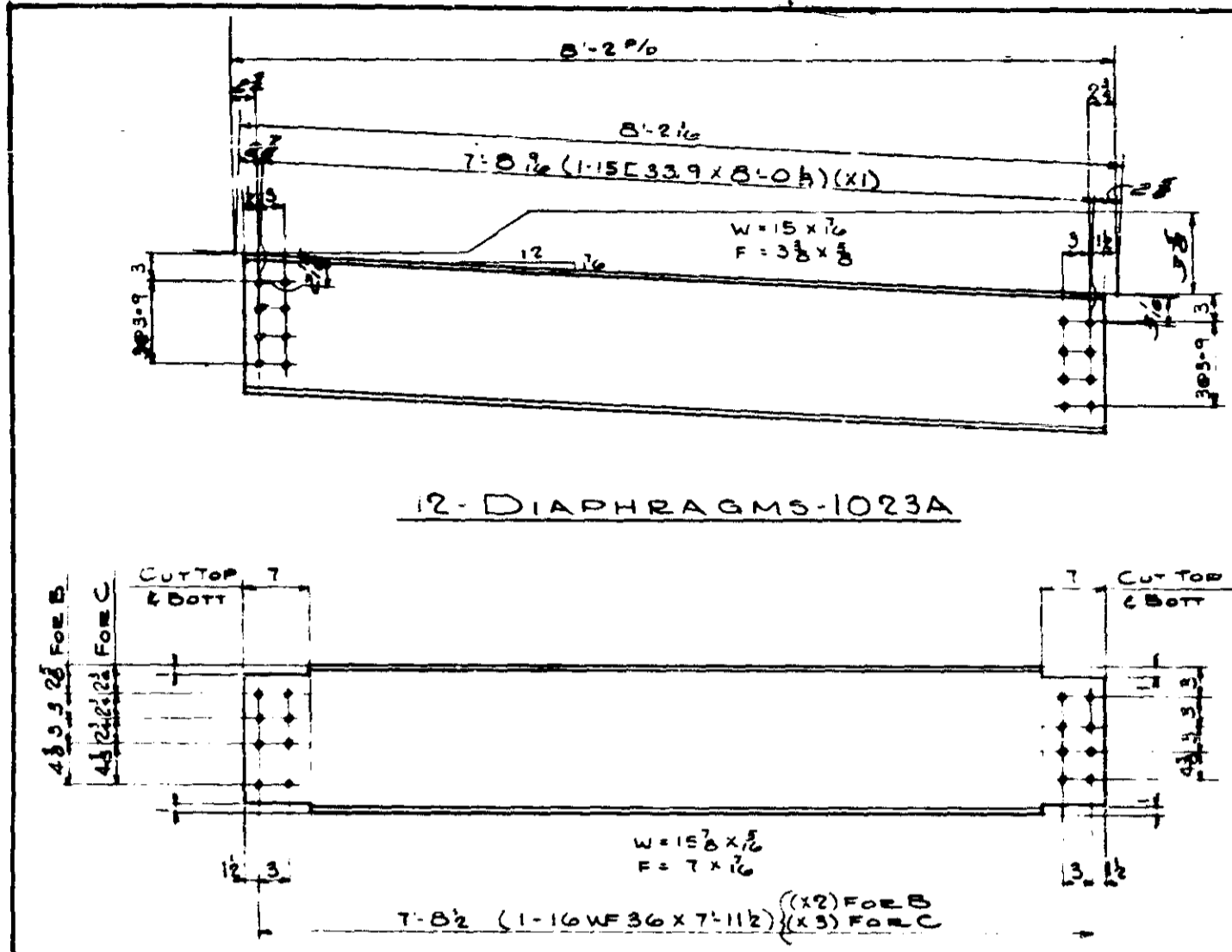
DRAWN BY: **GN** DATE: **3-1-66** CHECKED BY: **GN** DATE: **5/2**

REVISIONS: **A** 10/18/66 **B** 10/18/66 **C** REM. **D**

CONTRACT: **3142** FABCOD: **244** SHEET: **1022**

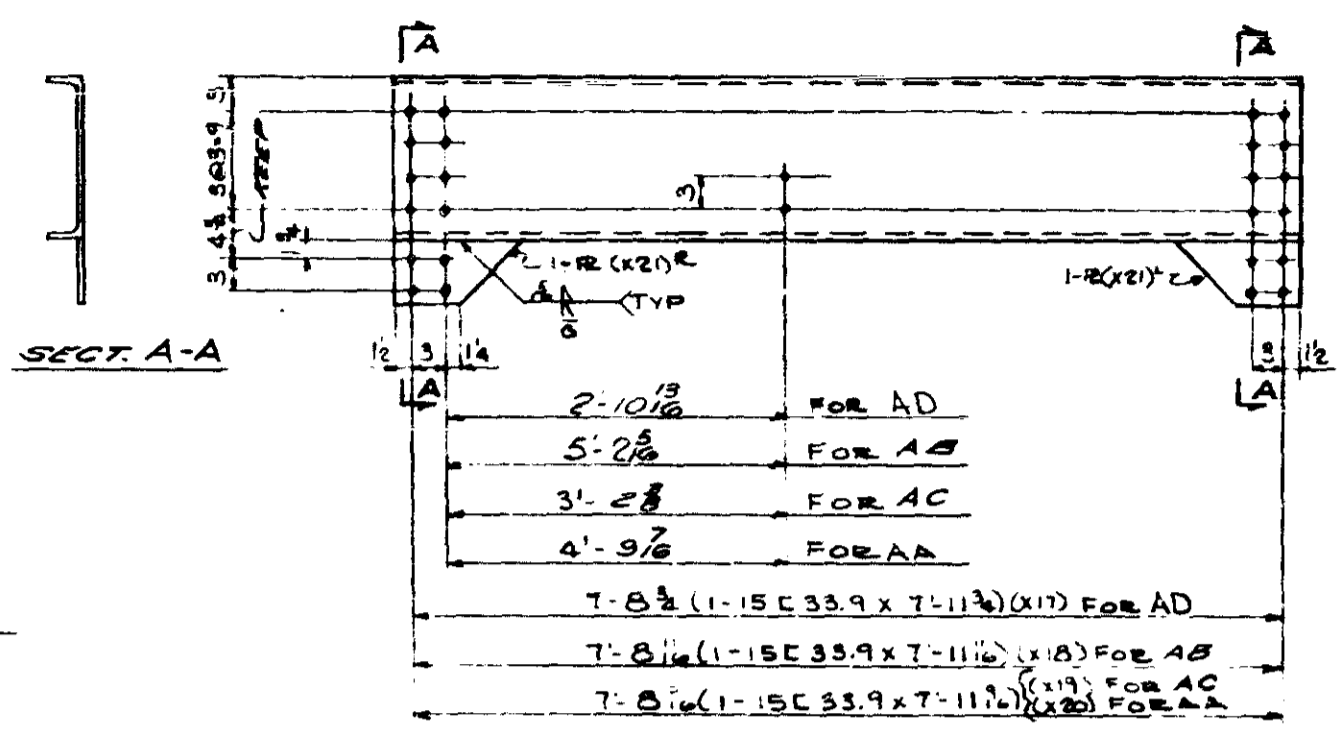
FLANGE CUTTING FOR (X2) *
 FLANGE CUTTING FOR (X3) *
 * SEE SHIT. X1 & X2 FOR BEVEL CUTS FOR WELDS

NO.	DATE
8	2/2

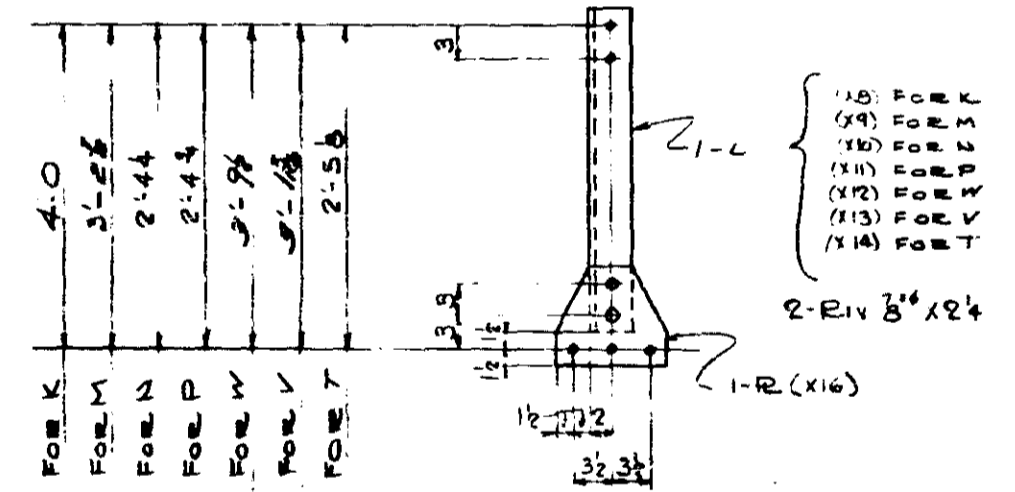
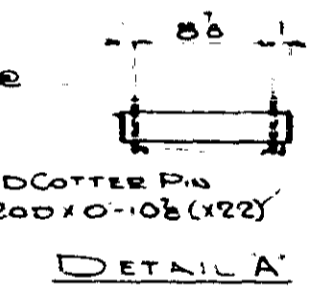


12-DIAPHRAGMS-1023A

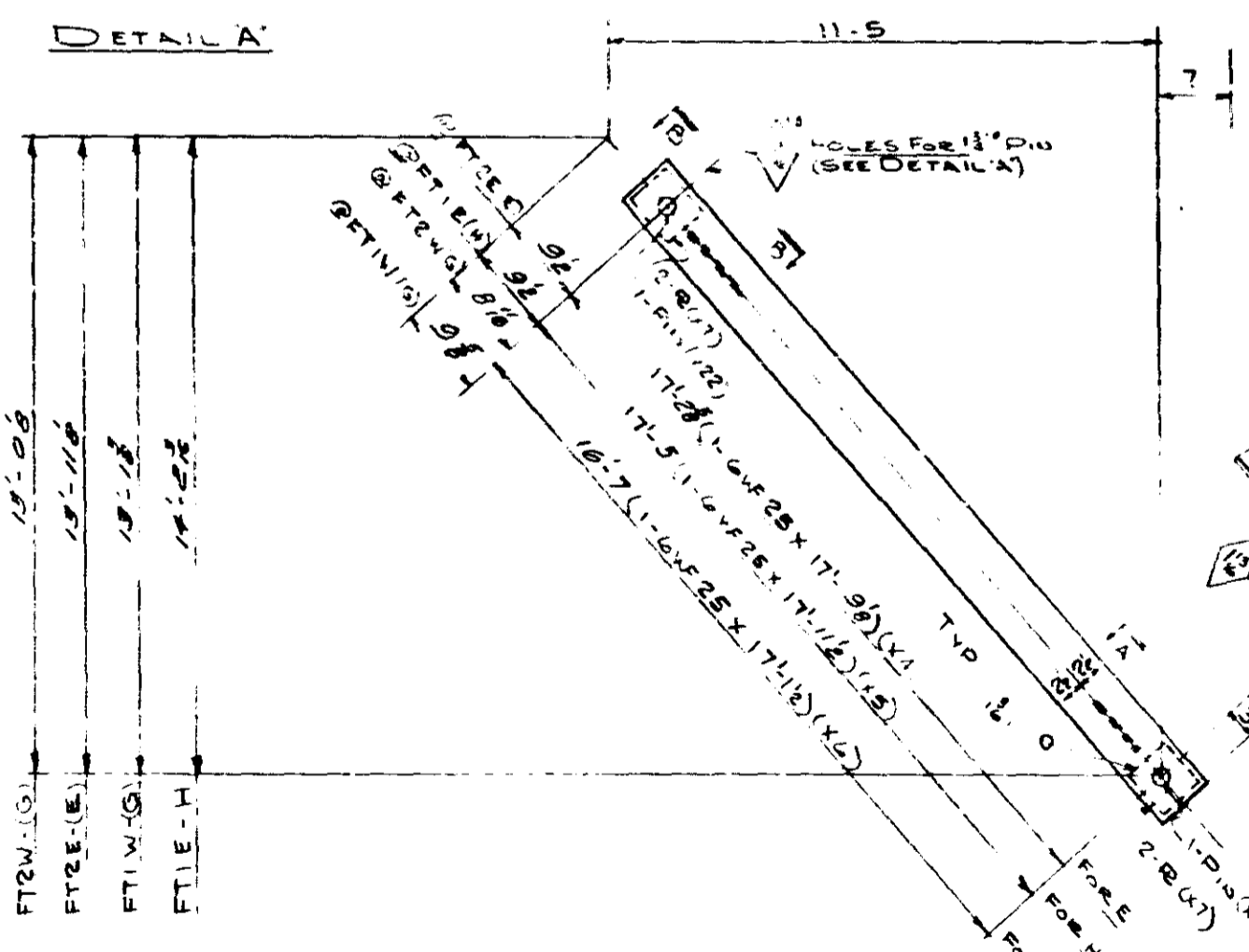
6-DIAPHRAGMS-1023B
ONE - D₀ - 1023C



ONE-DIAPHRAGM-1023AD
ONE - D₀ - 1023AB
ONE - D₀ - 1023AC
ONE - D₀ - 1023AA



ONE-HANGER-1023K (AS SHOWN)
ONE - D₀ - 1023M (OPPHAND)
ONE - D₀ - 1023N (OPPHAND)
ONE - D₀ - 1023P (OPPHAND)
ONE - D₀ - 1023W (AS SHOWN)
ONE - D₀ - 1023V (OPPHAND)
4 - D₀ - 1023TR
4 - D₀ - 1023T



ONE-FLOOR TRUSS BRACE 1023E
2 - D. D. D. - 1023G
ONE - D. D. D. - 1023H

QTY	ITEM NO.	DESCRIPTION	SHAPE	LENGTH	PC	REMARKS	ITEM NO.	WT. (LBS)	TOTAL WEIGHT	NO. OF BOLTS
1	1023A	DIAPHRAGM	15C33.9	8'-0"	X1		400	59	3259	390
6	1023B	DIAPHRAGM	16WF36	7'-11 1/2"	X2		400	59	1719	230
1	1023C	DIAPHRAGM	16WF36	7'-11 1/2"	X5		400	59	287	590
1	1023E	FLOOR TRUSS BRACE								
1	1023M	D ₀								
1	1023N	D ₀								
1	1023P	D ₀								
1	1023W	D ₀								
1	1023V	D ₀								
2	1023TR	D ₀								
2	1023T	D ₀								
1	1023K	HANGER								
1	1023M	D ₀								
1	1023N	D ₀								
1	1023P	D ₀								
1	1023W	D ₀								
1	1023V	D ₀								
2	1023TR	D ₀								
2	1023T	D ₀								
1	1023AD	DIAPHRAGM								
1	1023AB	D ₀								
1	1023AC	D ₀								
1	1023AA	D ₀								
1	1023K	HANGER								
1	1023M	D ₀								
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1	1023V	D ₀								
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1	1023AC	D ₀								
1	1023AA	D ₀								
1	1023K	HANGER								
1	1023M	D ₀								
1	1023N	D ₀								
1	1023P	D ₀								
1	1023W	D ₀								
1	1023V	D ₀								
2	1023TR	D ₀								
2	1023T	D ₀								

ALLIED STRUCTURAL STEEL COMPANY
 ENGINEERS ARCHITECTS FABRICATORS ERECTORS
 1000 WEST WASHINGTON ST. MINN. 55402

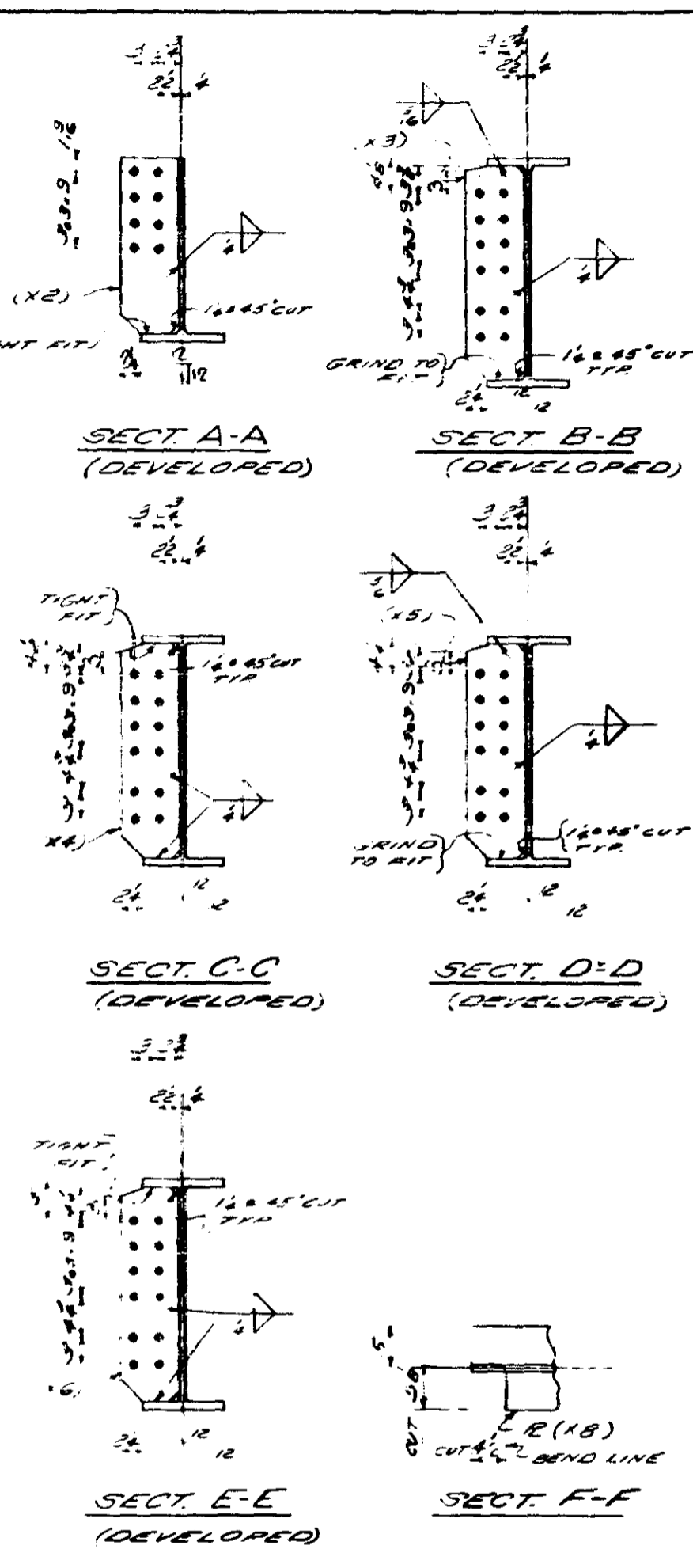
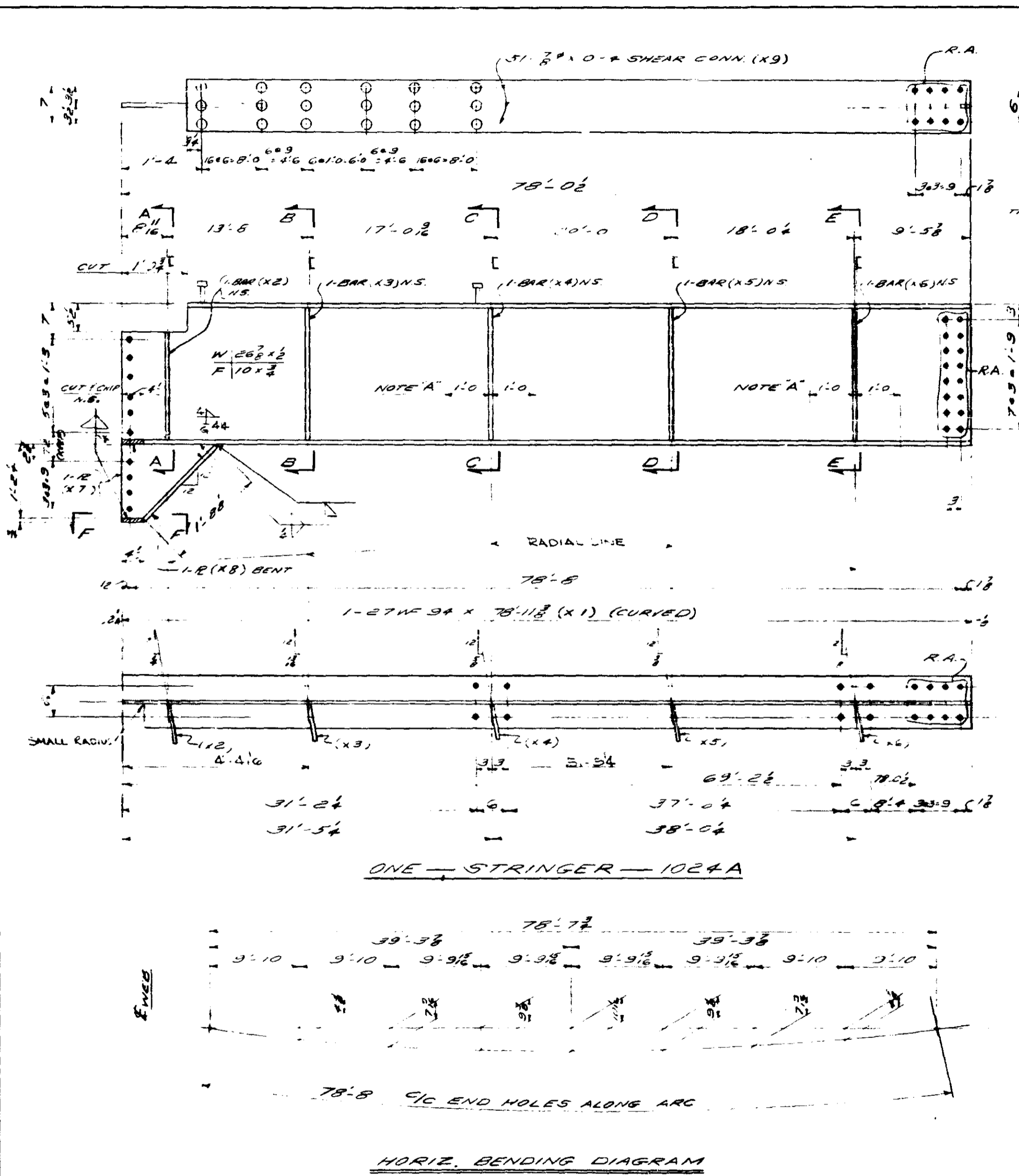
DETAILS OF DIAPHRAGMS -
 STRUCTURE: BRIDGE N 9340
 LOCATION: MINNEAPOLIS, MINNESOTA
 OWNER: MINNESOTA STATE HWY. DEPT
 CUSTOMER: MINNESOTA STATE HWY. DEPT

CONTRACT 3142
 FABCOD 274
 SHEET 1023

SHOP NOTE:
 FOR GENERAL NOTES SEE SHT. GN-1.
 FOR MATL. SPECS SEE BILL OF MATL.
 FOR INSPECTION OF WELDS SEE
 NOTE ON SHT. GN-1

HAMMOND FAB

MINN PROJ NO I-1035W-3(58)112
 STATE PROJ NO 283-39408 (TH35W:394)
 DRAWN BY: [Signature] DATE: 3-3-66 CHECKED BY: GN DATE: 4-18-66



NOTES:
 FOR MATL. SPEC. SEE BILL OF MATL.
 FOR GEN. NOTES SEE SHT. GN-1.
 FOR INSPECTION OF WELDS SEE NOTE ON SHT. GN1

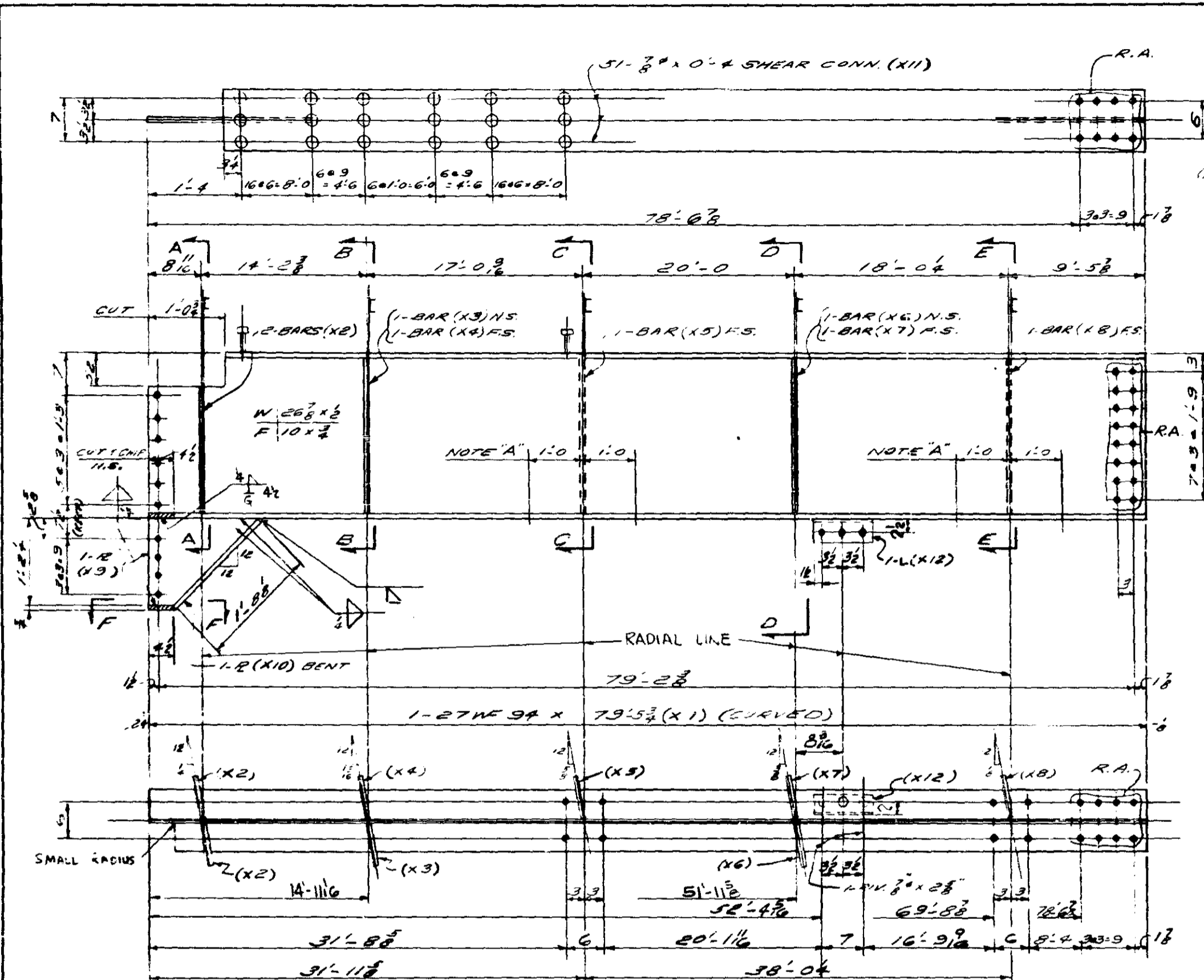
NOTE A'
 BOTT. FLG. TO BE 90° TO WEB & SUPP. FOR DISTANCE INDICATED.

SHIP NO	NO	SHAPE	LENGTH	PC	REMARKS	ITEM NO	TOTAL WEIGHT	NEW D. SPEC.
1								
2								
3	1	27WF94	78-11 1/2	X1	(46 x 78-11 1/2)	2015	7221	3306
4	1	BAR 7-1/2	18	X2		2019	16	
5	1	BAR 7-1/2	2	X3		2020	19	
6	1	BAR 7-1/2	2	X4		2020	19	
7	1	BAR 7-1/2	2	X5		2020	19	
8	1	BAR 7-1/2	2	X6		2020	19	
9	1	R 10-1/2	1	X7		2017	10	
10	1	R 10-1/2	2	X8	(RENT)	2018	22	3306
11	53	SHEAR CONN	0	X9	TYPE SEE	2015	129	3304
12								
13								
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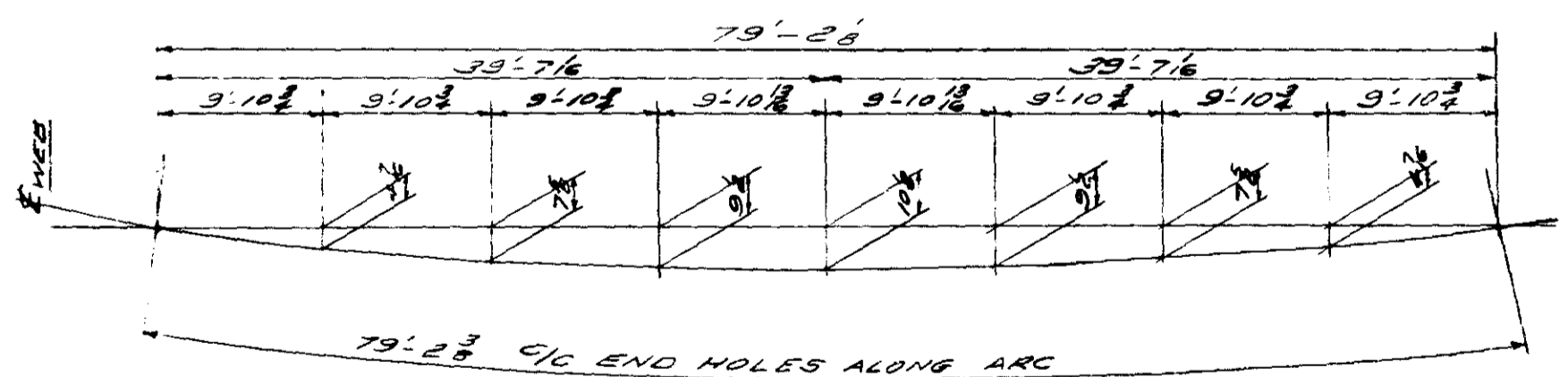
MINN. PROJ. NO. 51635W-3(58)112 DIVISION 10
 STATE PROJ. NO. 2783 9340B (74-55W-334) HAMMOND FAB

DETAILS OF STRINGER - R.P. 00 TO R.P. 02
 STRUCTURE BRIDGE #3340
 LOCATION MINNEAPOLIS, MINNESOTA
 OWNER MINNESOTA STATE HWY. DEPT.
 CUSTOMER MINNESOTA STATE HWY. DEPT.

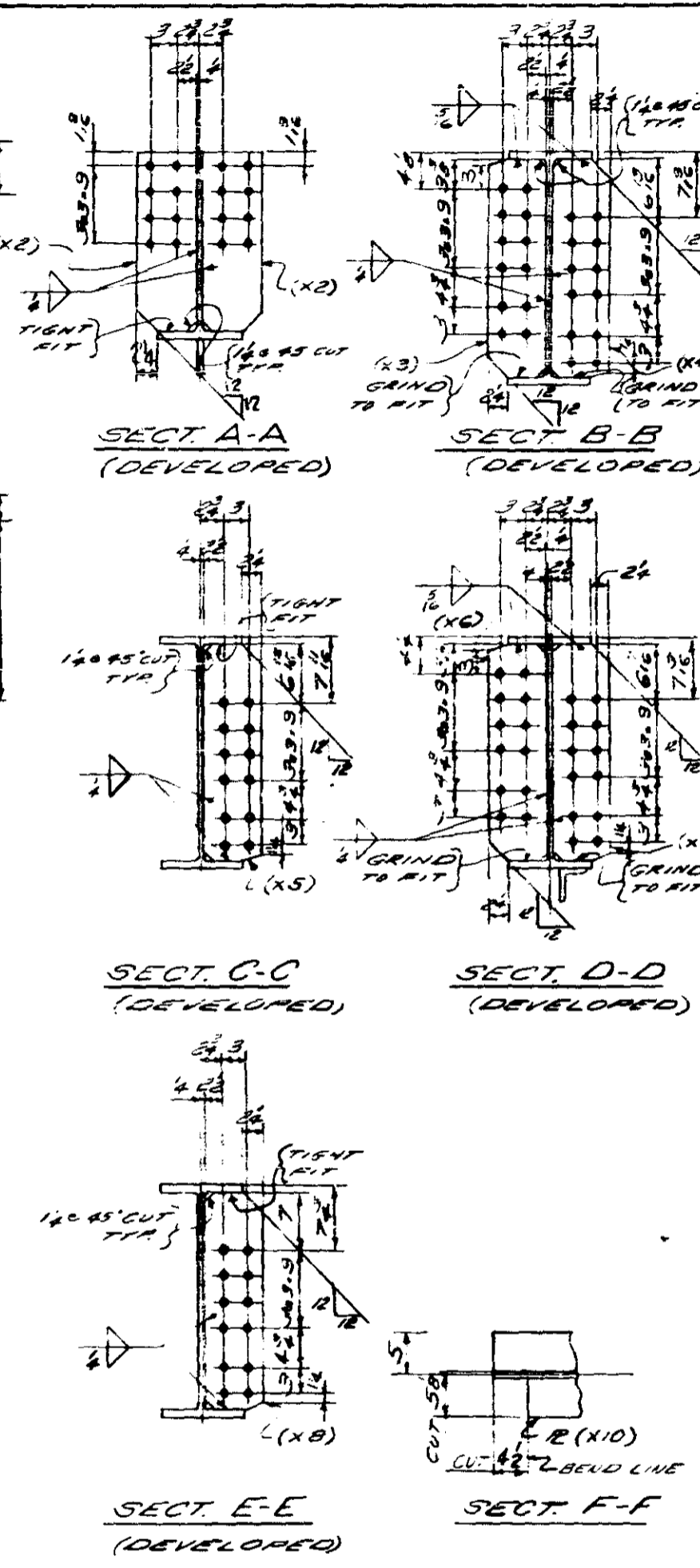
CONTRACT 3142 FABCOD 274 SHEET 1024



ONE - STRINGER - 1025A



HORIZ. BENDING DIAGRAM



ITEM NO.	QTY	SHAPE	LENGTH	PC	REMARKS	TOTAL WEIGHT
1	1	27WF94	79.52	X1		7471
2	2	27WF94	1.88	X2		51
3	1	BAR 7/8	2.13	X3		19
4	1	BAR 7/8	2.13	X4		19
5	1	BAR 7/8	2.13	X5		19
6	1	BAR 7/8	2.13	X6		19
7	1	BAR 7/8	2.13	X7		19
8	1	BAR 7/8	2.13	X8		19
9	1	BAR 7/8	2.13	X9		19
10	1	BAR 7/8	2.13	X10		19
11	1	BAR 7/8	2.13	X11		19
12	1	BAR 7/8	2.13	X12		19
13	1	R 10 x 2 1/2	1.88	X9		47
14	1	R 10 x 2 1/2	2.08	X10	(BENT)	52
15	1	53 SHEAR CONN. 0 4	0.10	X11		129
16	1	L 4 x 3 1/2	0.10	X12		8
17	3	R 1/2				8
18	1	1/2 WLD	2 8			1
19	1	1/2 WLD	35 0			1
20						
21						
22					* MULTICUT WITH R (7) ON SHT (24 (R 14 1/2 x 1 1/2))	
23						
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54					SECTION 59 - 7872	
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NOTES:
 FOR MAT'L SPEC. SEE BILL OF MATL.
 FOR GEN. NOTES SEE SHT. GN-1.
 FOR INSPECTION IF WELDS SEE NOTE ON SHT. GN-1.

NOTE "A"
 BOTTL. FLG. TO BE 90° TO WEB & SUPP. FOR DISTANCE INDICATED.

MINN. PROJ. NO. 1-1635W-3(58)112 DIVISION 10
 STATE PROJ. NO. 2783 330B (TH35W.339) HAMMOND FAB.

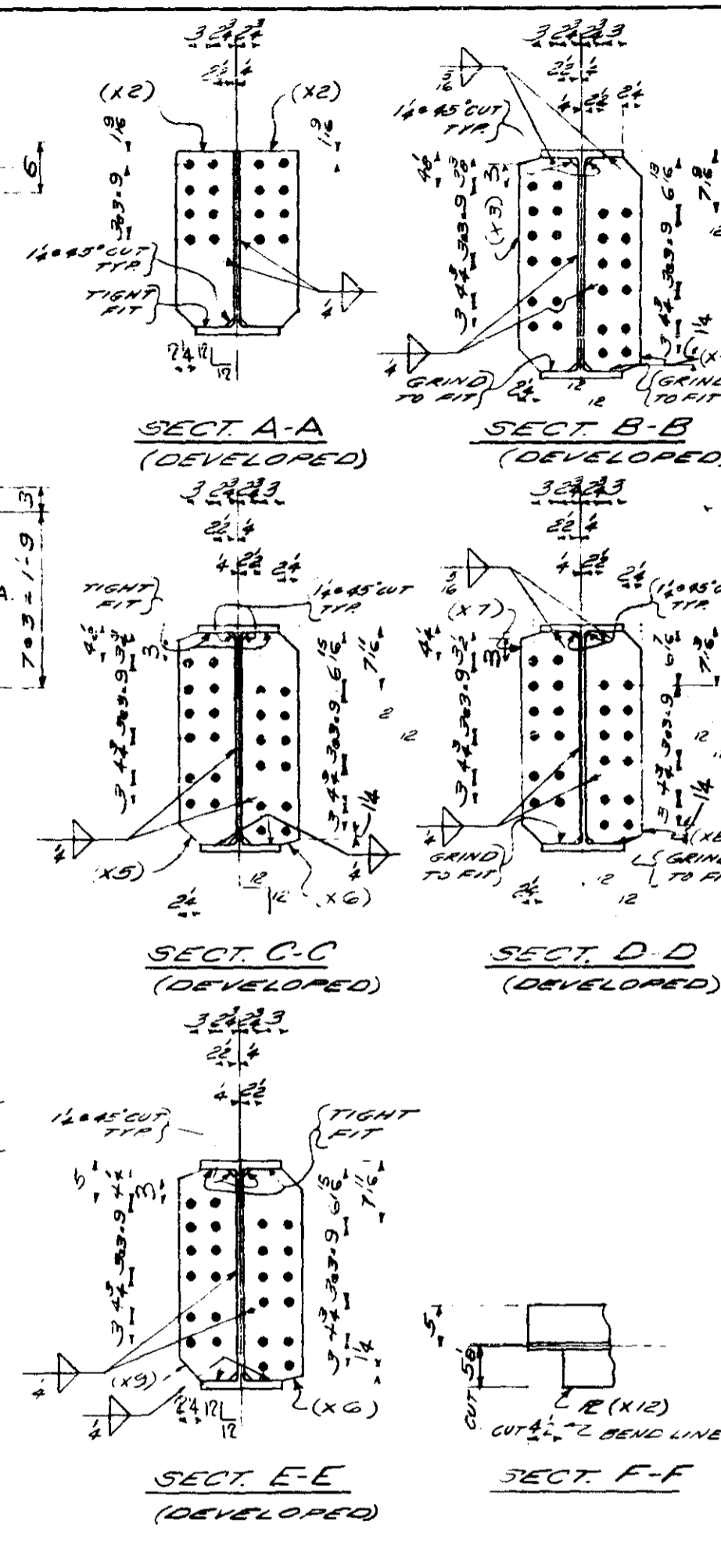
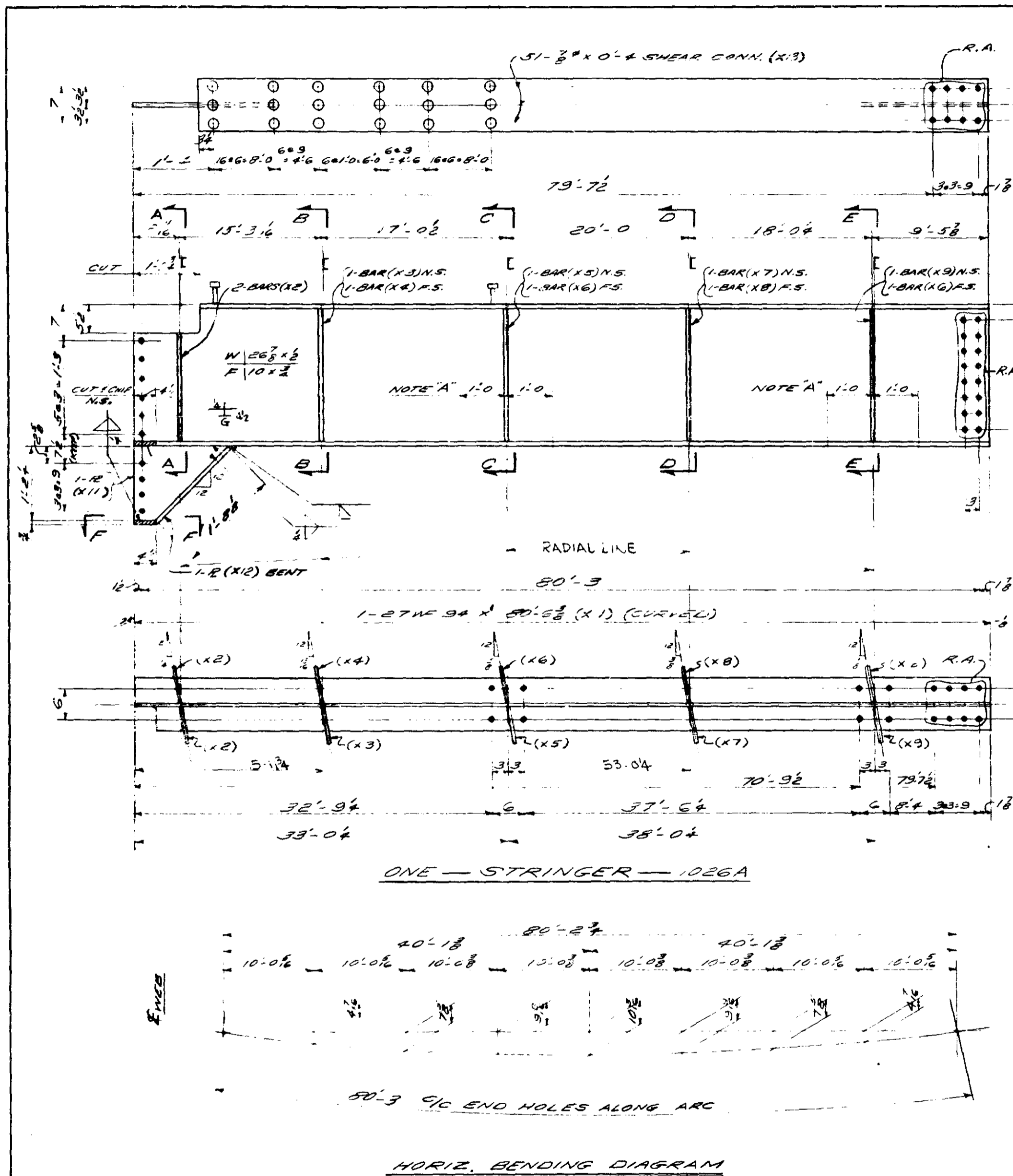
DETAILS OF STRINGER - P. 10 TO P. 12
 STRUCTURE BRIDGE # 3340
 LOCATION MINNEAPOLIS, MINNESOTA
 OWNER MINNESOTA STATE HWY. DEPT.
 CUSTOMER MINNESOTA STATE HWY. DEPT.

OPEN HOLES 15/16 RIVETS & BOLTS 3/4 PAINT GN-1
 DRAWN BY RL DATE 3-26-66 CHECKED BY SL DATE 3-26-66

REF. DNG E-4 REVISIONS A ADDED STUDS 2-17-67 B STUDS 3-21-67

CONTRACT 3142 FABCOD 274 SHEET 1025





NOTES:
 FOR MATL. SPEC. SEE BILL OF MATL.
 FOR GEN. NOTES SEE SH. GN-1.
 FOR INSPECTION OF WELDS SEE NOTE SH. GN-1

NOTE "A"
 BOT. FLG. TO BE 90° TO WEB
 & SWAP, FOR DISTANCE INDICATED.

ITEM NO.	SHIP NO.	NO. REQD.	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	TOTAL WEIGHT	NET WEIGHT
1									
2									
3			27W 94	80'-5 1/2	X1	(46 x 80'-6)			
4		1	27W 94	80'-5 1/2	X1		7418	59	7574
5		2	BARS 7 x 8	1'-9 1/2	X2		7019		51
6		1	BAR 7 x 8	2'-1 1/2	X3		7020		19
7		1	BAR 7 x 8	2'-1 1/2	X4		7020		19
8		1	BAR 7 x 8	2'-1 1/2	X5		7020		19
9		2	BAR 7 x 8	2'-1 1/2	X6		7020		38
10		1	BAR 7 x 8	2'-1 1/2	X7		7020		19
11		1	BAR 7 x 8	2'-1 1/2	X8		7020		19
12		1	BAR 7 x 8	2'-1 1/2	X9		7020		19
13									
14		1	R 1/4 x 1/2	1'-6 3/4	X11	*	7017		116
15		1	R 1/4 x 1/2	2'-0 1/2	X12	(BENT)	7016		52
16		153	SHEAR CONN. 3/8	0'-4	X13	FIVE SET	7015	59	3306
17									
18		1	3" WLD	2'-8					116
19		1	1/2" WLD	2'-8					116
20									
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ALLIED STRUCTURAL STEEL COMPANY
 1225 19TH STREET HARMON, INDIANA 46130

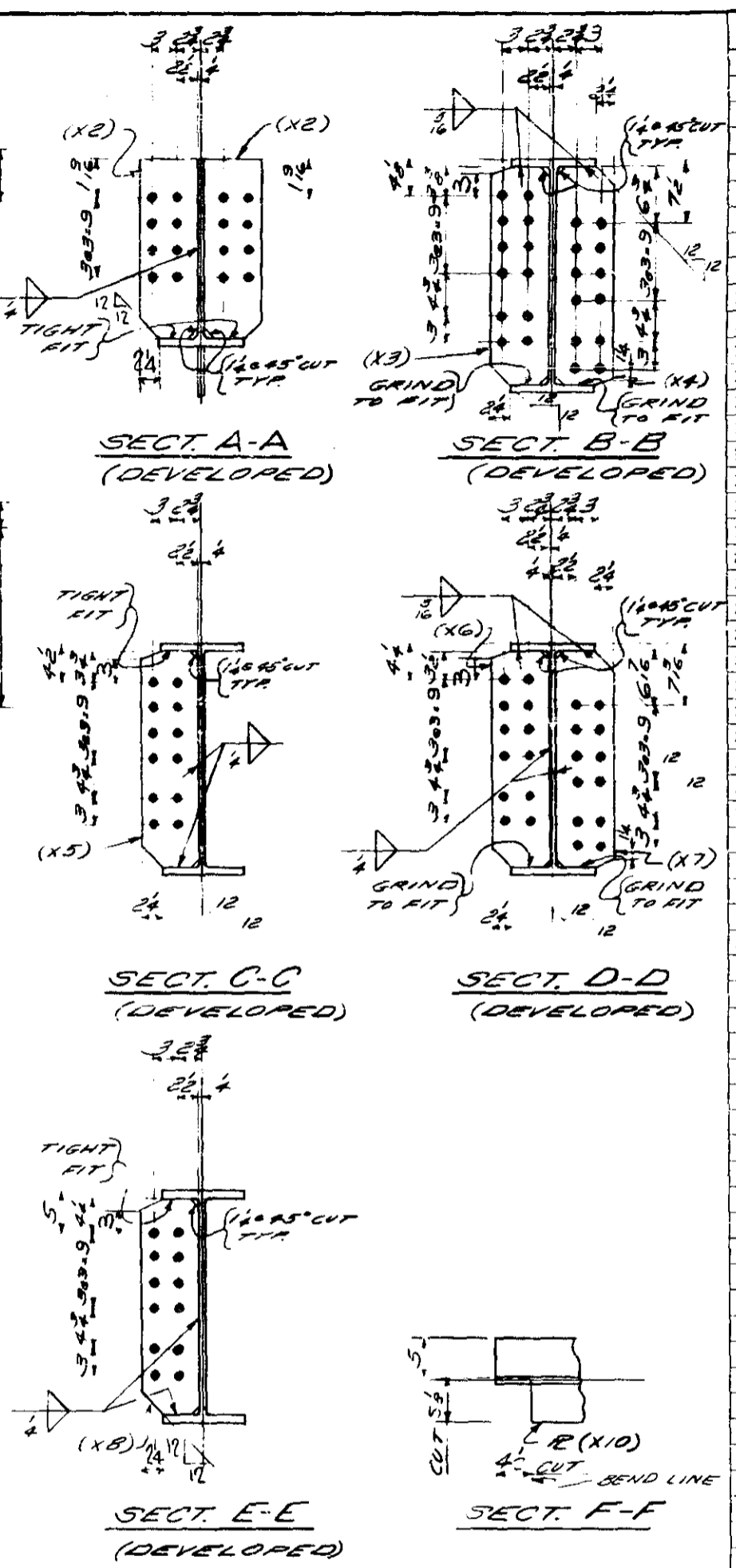
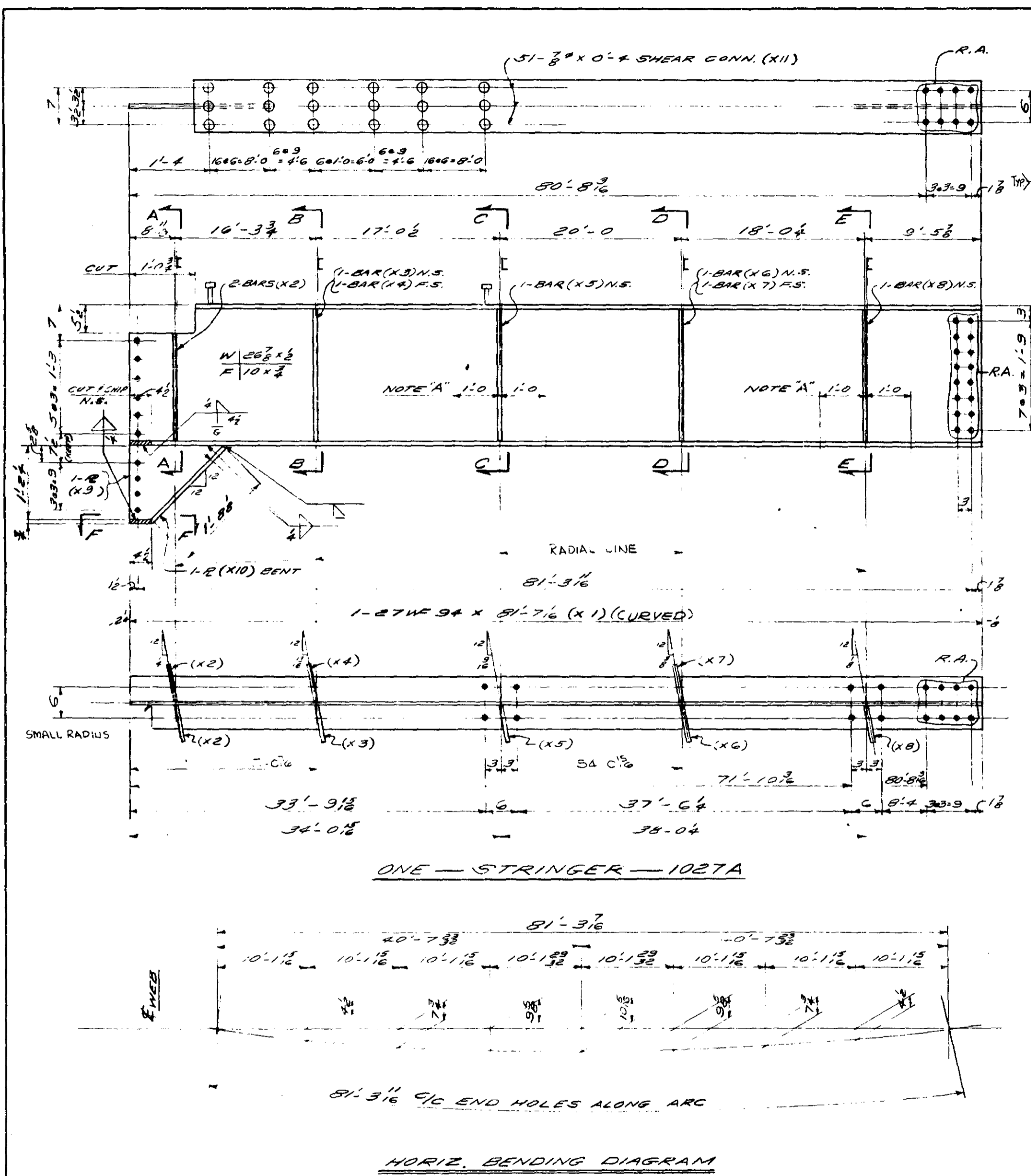
MINN. PRO. NO. F-1635W-3(58)112 DIVISION 10
 STATE PRO. NO. 255 25.1.1 (F-1635W-334) HAMMOND FAB.

DETAILS OF STRINGER - P.F. UO TO RRUE
 STRUCTURE BRIDGE #3340
 LOCATION MINNEAPOLIS, MINNESOTA
 OWNER MINNESOTA STATE HWY. DEPT.
 CUSTOMER MINNESOTA STATE HWY. DEPT.

OPEN HOLES 1/2" RIVETS & BOLTS PAINT YES, SEE GN-1
 DRAWN BY RL DATE 3-9-66 CHECKED BY GN DATE 4/27

REF. DWG. E* REVISIONS

CONTRACT 3142 FABCOD 274 SHEET 1026



NOTES:
 FOR MAT'L. SPEC. SEE BILL OF MAT'L.
 FOR GEN. NOTES SEE SHT. GN-1.
 FOR INSPECTION OF WELDS SEE NOTES ON SHT. GN-1

NOTE "A"
 BOT. FLG. TO BE 90° TO WEB
 & SUPP. FOR DISTANCE INDICATED.

LINE NO.	SHIP MK.	NO. REQD.	SHAPE	LENGTH	PC. MK.	REMARKS	ITEM NO.	TOTAL WEIGHT
1								
2								
3			102TA ONE STRINGER	(66' 8 1/2")				
4		1	27WF94	81' 7 1/16" X1			7010 59	7669 3306
5		2	BARS 7 x 8	1 8 1/2" X2			7019	51
6		1	BAR 7 x 8	2 1 1/2" X3			7020	19
7		1	BAR 7 x 8	2 1 1/2" X4			7020	19
8		1	BAR 7 x 8	2 1 1/2" X5			7020	19
9		1	BAR 7 x 8	2 1 1/2" X6			7020	19
10		1	BAR 7 x 8	2 1 1/2" X7			7020	19
11		1	BAR 7 x 8	2 1 1/2" X8			7020	19
12		1	R 14 x 6	1 6 3/4" X9	*		7027	16
13		1	R 10 x 6	2 0 3/4" X10 (BENT)			7046	52
14		53	SHEAR CONN. 3/8" O 4 X11	TYP. S37			59	129 3306
15								
16								
17		1	3" WLD.	2 8				16
18		1	3" WLD.	35 0				16
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ALLIED STRUCTURAL STEEL COMPANY
 ENGINEERS FABRICATORS ERECTORS
 1225 15TH STREET HARBOR INDIANA 46760

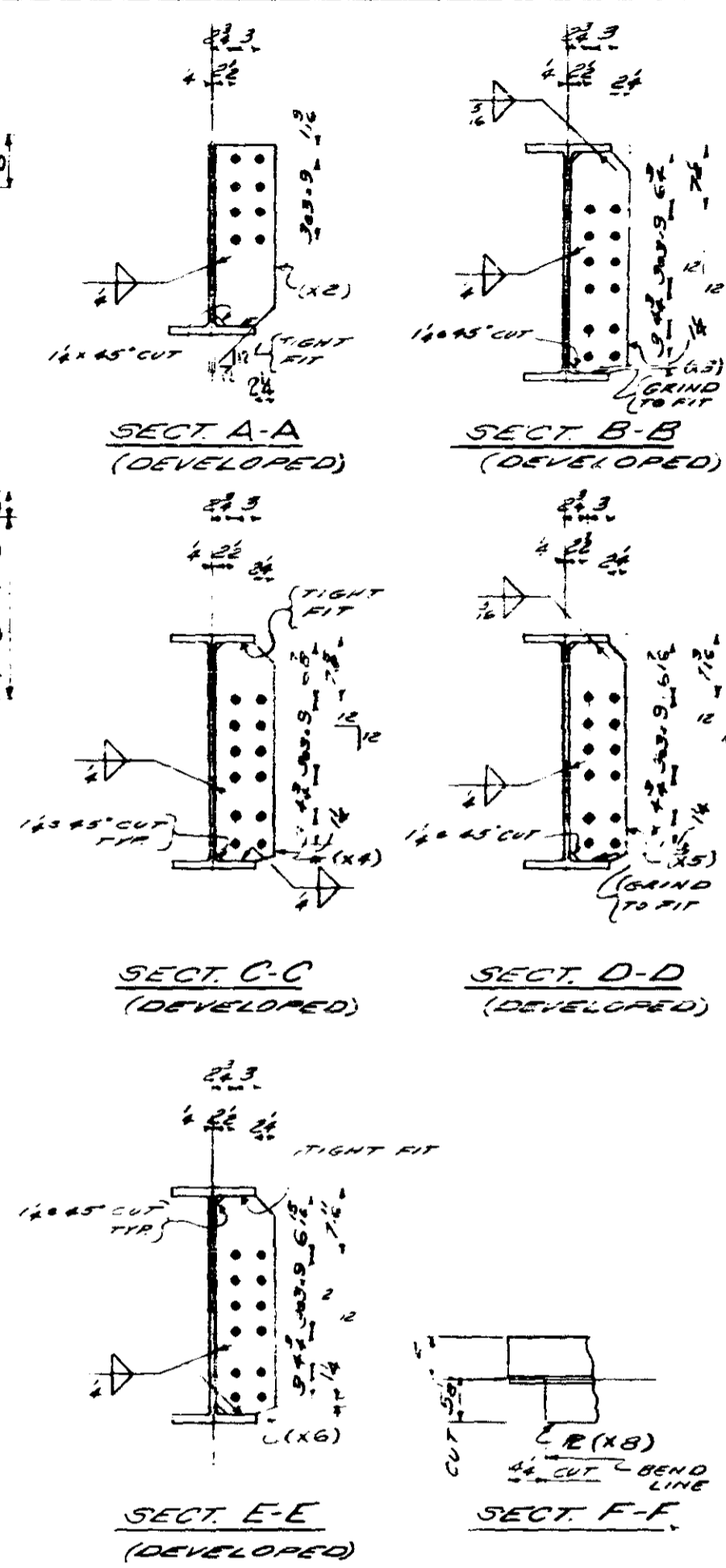
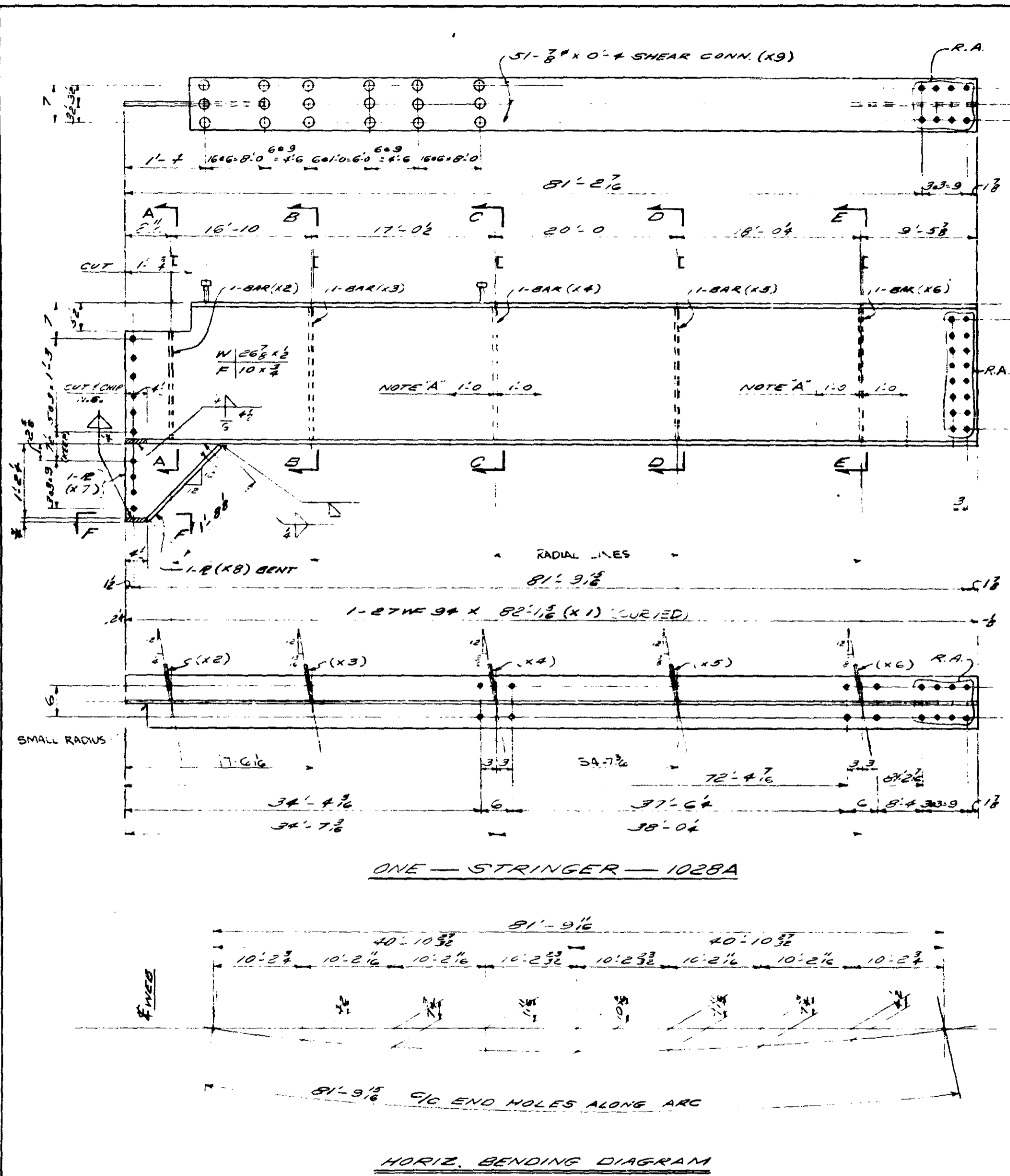
MINN. PROV. NO. I-1635W-3(58)112 DIVISION 10
 STATE PROV. NO. 2783 9340 2 (7-195W-334) FAB.

DETAILS OF STRINGER - P. 00 TO P. 02
 STRUCTURE BRIDGE # 9340
 LOCATION MINNEAPOLIS, MINNESOTA
 OWNER MINNESOTA STATE HWY. DEPT.
 CUSTOMER MINNESOTA STATE HWY. DEPT.

OPEN HOLES 15" RIVETS & BOLTS PAINT YES, SEE EN-1
 DRAWN BY RL DATE 3/10-66 CHECKED BY AN DATE 4/28

REF. DNG. E+ REVISIONS Δ Δ Δ Δ

CONTRACT 3142 FARCOD 274 SHEET 1027



NOTES:
FOR MAT'L SPEC. SEE BILL OF MAT'L.
FOR GEN. NOTES SEE SHT. GN-1.
FOR INSPECTION F W LGS SEE SHT. GN-1

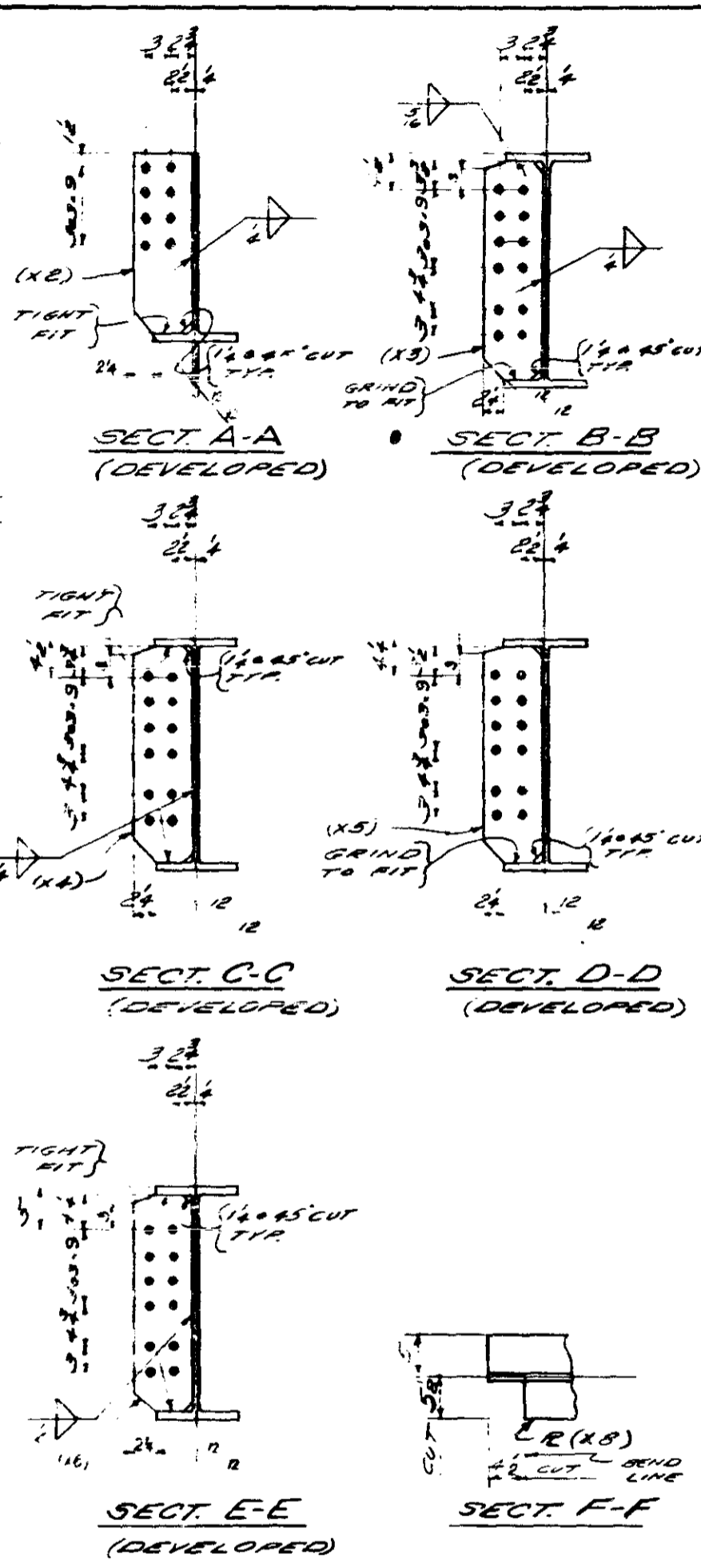
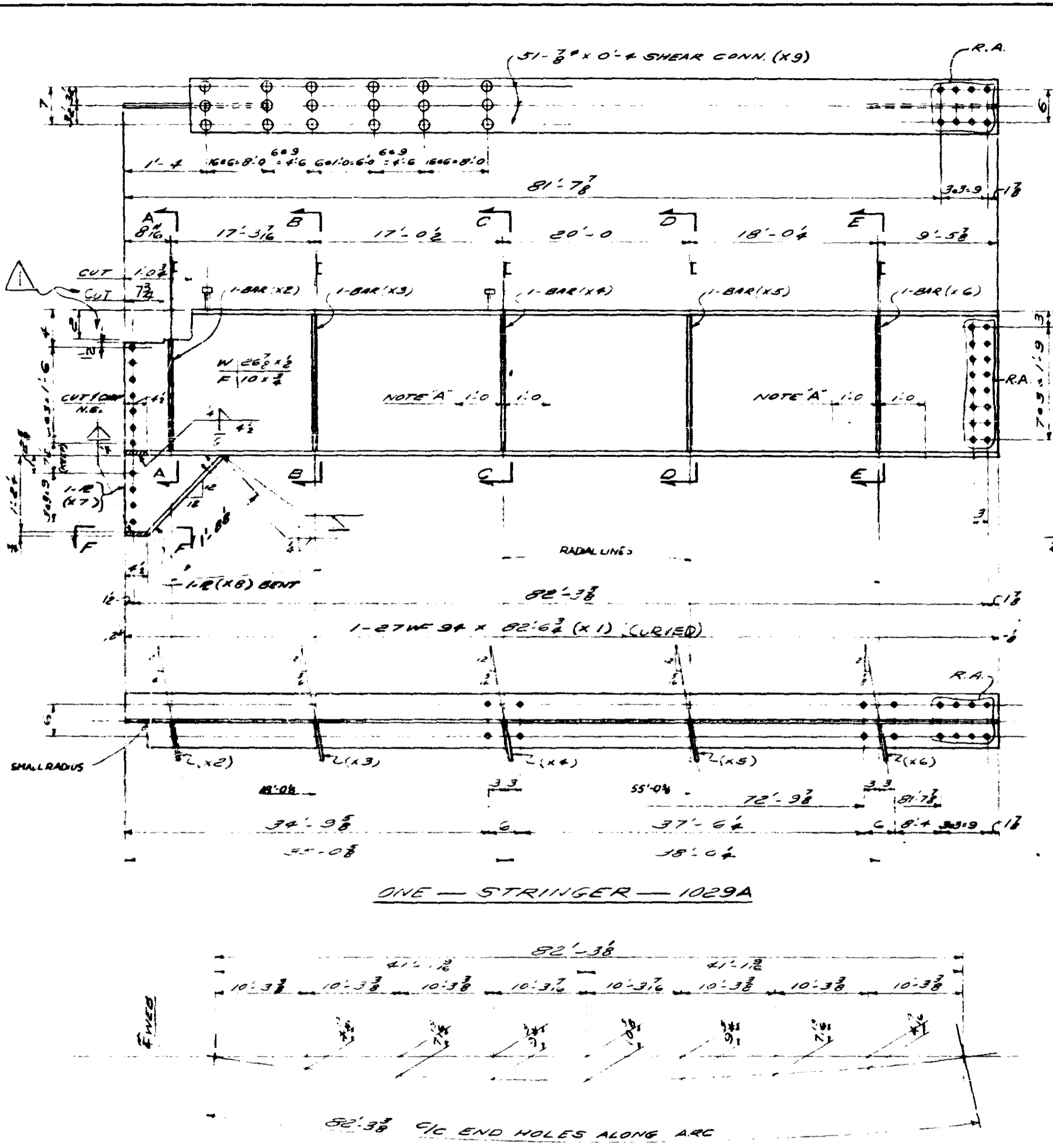
NOTE "A"
BOTT. FLG. TO BE 90° TO WEB
& SWAP, FOR DISTANCE INDICATED.

ITEM NO.	SHIP MK	NO. REQD.	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	TOTAL WEIGHT
1								
2								
3			STRINGER			(61' 2 1/2")		
4		1	27WF94	82' 1 1/2"	X1		709	3306
5		1	BAR 7/8"	18'	X2		719	20
6		1	BAR 7/8"	2 1/2'	X3		720	19
7		1	BAR 7/8"	2 1/2'	X4		720	19
8		1	BAR 7/8"	2 1/2'	X5		720	19
9		1	BAR 7/8"	2 1/2'	X6		720	19
10		1	RIPPLE	1 0 1/2'	X7		717	12
11		1	RIPPLE	2 0 1/2'	X8 (BENT)		716	3306
12		33	SHEAR CONN.	0 4 X 9	TYPE 33C		59	3306
13								
14		1	WLD.	1 4				112
15		1	WLD.	20 1				112
16								
17								
18								
19		3	MULTICUT WITH R.	(67' ON SHT. 1029)	(R. 1/4" X 1/4")			
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MINN. PROJ. NO. I-1635W-3(58)112 DIVISION 10
STATE PROJ. NO. (T-135W-33A) FAB

DETAILS OF STRINGER - P.P. 00 TO P.P. 02
STRUCTURE BRIDGE #9340
LOCATION MINNEAPOLIS, MINNESOTA
OWNER MINNESOTA STATE HWY. DEPT.
CUSTOMER MINNESOTA STATE HWY. DEPT.

CONTRACT 3142 FABCOD 274 SHEET 1028



NOTES:
 FOR MATL. SPEC. SEE BILL OF MATL.
 FOR GEN. NOTES SEE SHT. GN-1.
 FOR INSPECTION OF WELDS SEE NOTE ON SHT. GN-1.

NOTE "A"
 BOTTL. FLG. TO BE 90° TO WEB
 & SUPP. FOR DISTANCE INDICATED.

ITEM NO.	QTY	SHAPE	LENGTH	PC	REMARKS	ITEM NO.	TOTAL WEIGHT
1							
2							
3	1	1029A ONE STRINGER			(46 X 82.6)		
4	1	27WF94	82.62	X1		7008	7761
5	1	BAR 7/8	2.06	X2		7018	30
6	1	BAR 7/8	2.13	X3		7020	19
7	1	BAR 7/8	2.16	X4		7020	19
8	1	BAR 7/8	2.16	X5		7020	19
9	1	BAR 7/8	2.16	X6		7020	19
10	1	R 1/4 X 2	1.63	X7		7017	47
11	1	R 1/2 X 2	2.03	X8	(BENT)	7016	52
12	153	SHEAR CONN.	0.4	X9	TYPE S34	7015	129
13							3306
14	1	5" WLD.	1.4				NC
15	1	1/2" WLD.	26.1				NC
16							
17							
18							
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HORIZ. BENDING DIAGRAM

MINN. PROJ. NO. S-1635W-3(58)112 DIVISION 10
 STATE PROJ. NO. 2753-334 8/4/58 3/4 HARTMUND FAB.

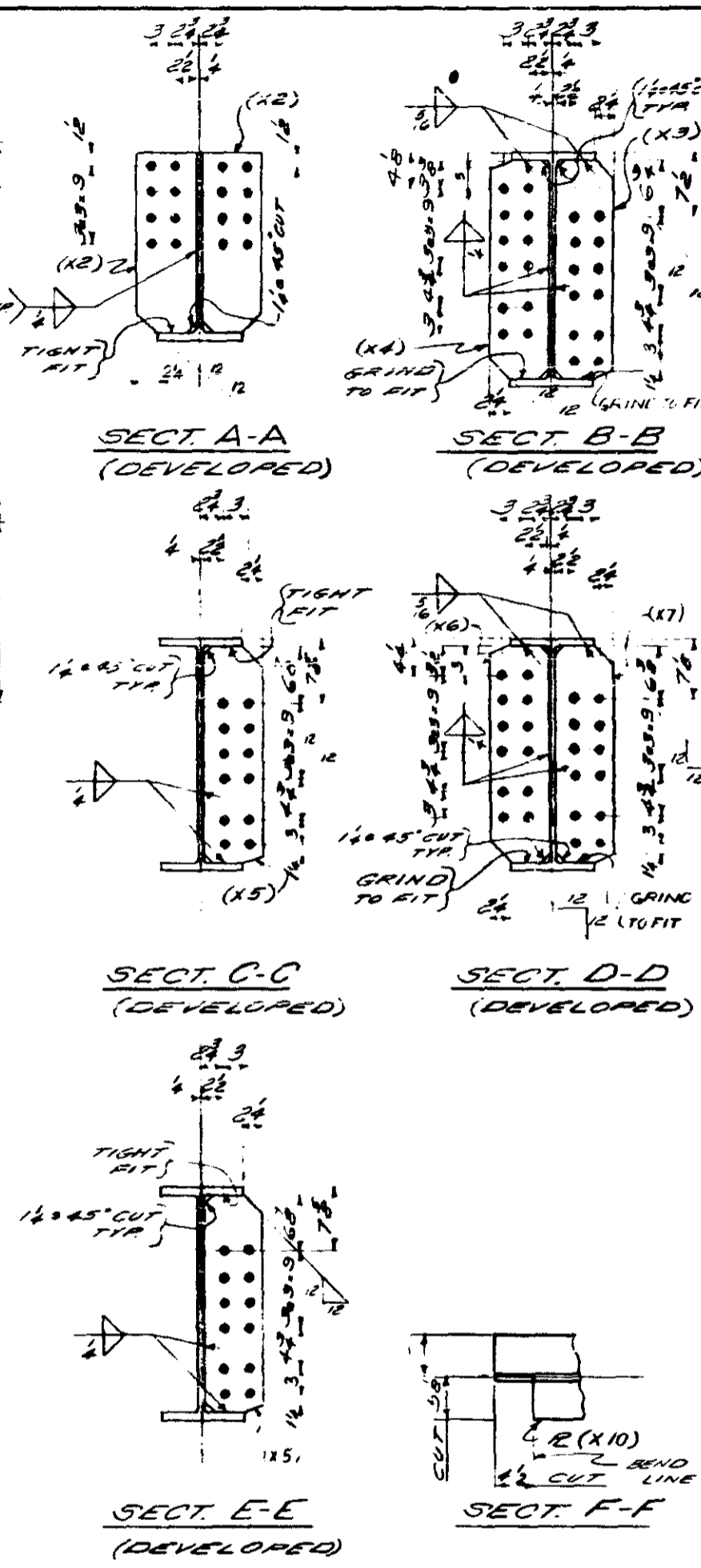
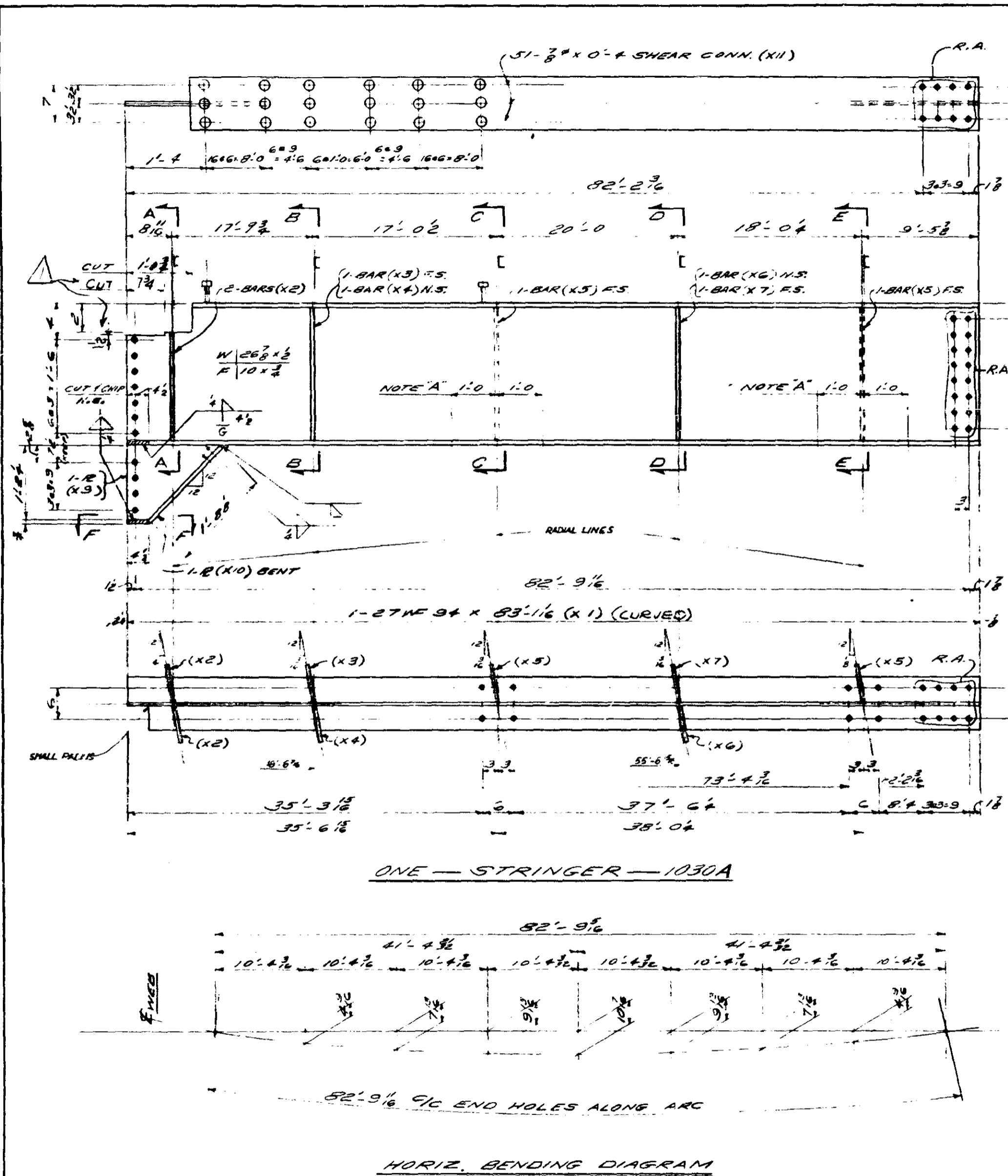
DETAILS OF STRINGER - R.A. TO R.R.U.
 STRUCTURE BRIDGE #3340
 LOCATION MINNEAPOLIS, MINNESOTA
 OWNER MINNESOTA STATE HWY. DEPT.
 CUSTOMER MINNESOTA STATE HWY. DEPT.

OPEN HOLES 15" RIVETS & BOLTS PAINT YES, SEE GN-1
 DRAWN BY RL DATE _____ CHECKED BY GN DATE 4/28

REF. DWG. E* REVISIONS 11-22-66

CONTRACT 3142 FABCOD 274 SHEET 1029





NOTES:
 FOR MATL. SPEC. SEE BILL OF MATL.
 FOR GEN. NOTES SEE SHT. GN-1.
 FOR INSPECTION OF WELDS SEE NOTE IN SHT. GN-1.

NOTE A
 BOT. FLG. TO BE 90° TO WEB
 & SUPP. FOR DISTANCE INDICATED.

ITEM NO.	SHIP NO.	NO. REQ.	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	TOTAL WEIGHT	NET WEIGHT
1									
2									
3			1-27WF 94	83-1/16	X1	(46 X 83-1)	7007	7810	3306
4			2 BARS 7 x 1/2	2-0	X2		7018	60	
5			1 BAR 7 x 1/2	2-1/2	X3		7020	19	
6			1 BAR 7 x 1/2	2-1/2	X4		7020	19	
7			2 BARS 7 x 1/2	2-1/2	X5		7020	38	
8			1 BAR 7 x 1/2	2-1/2	X6		7020	19	
9			1 BAR 7 x 1/2	2-1/2	X7		7020	19	
10									
11									
12			1 R 10 x 2	1-6	X9		7017	N.C.	
13			1 R 10 x 2	2-0	X10 (BENT)		7016	52	3306
14			53 SHEAR CONN.	0-4	X11 TYPE 53F		100	59	129
15									
16			1 1/2" WLD.	2-8				N.C.	
17			1 1/2" WLD.	35-0				N.C.	
18									
19									
20									
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MINN. PROV. NO. I-1635W-3(58)112 DIVISION 10
 STATE PROV. NO. 8753-1390 (I-1635W-334) HAMMOND FAB.

OPEN HOLES 15" RIVETS & BOLTS PAINT YES, SEE GN-1

DRAWN BY RL DATE 3-5-66 CHECKED BY GN DATE 4/28

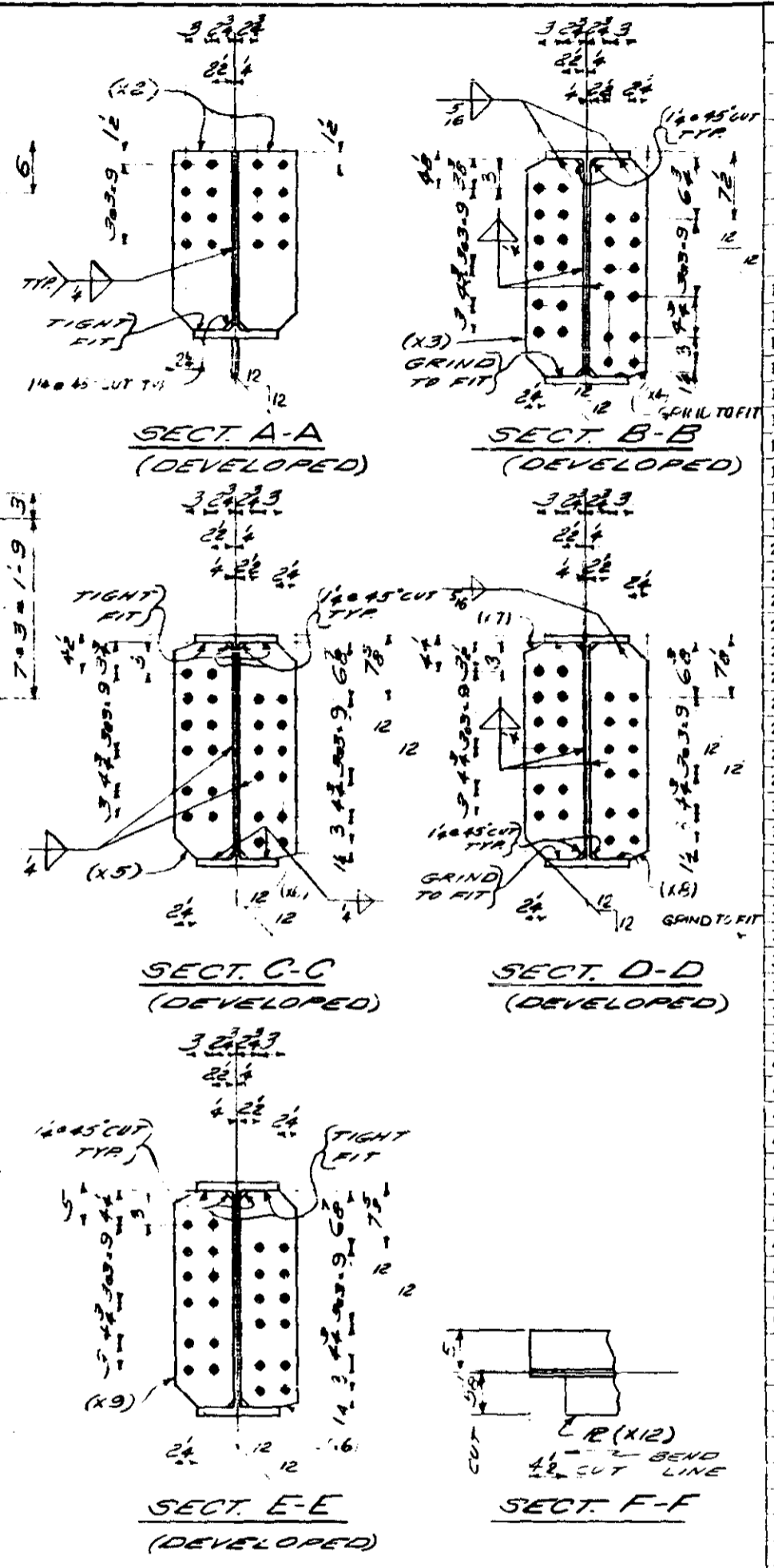
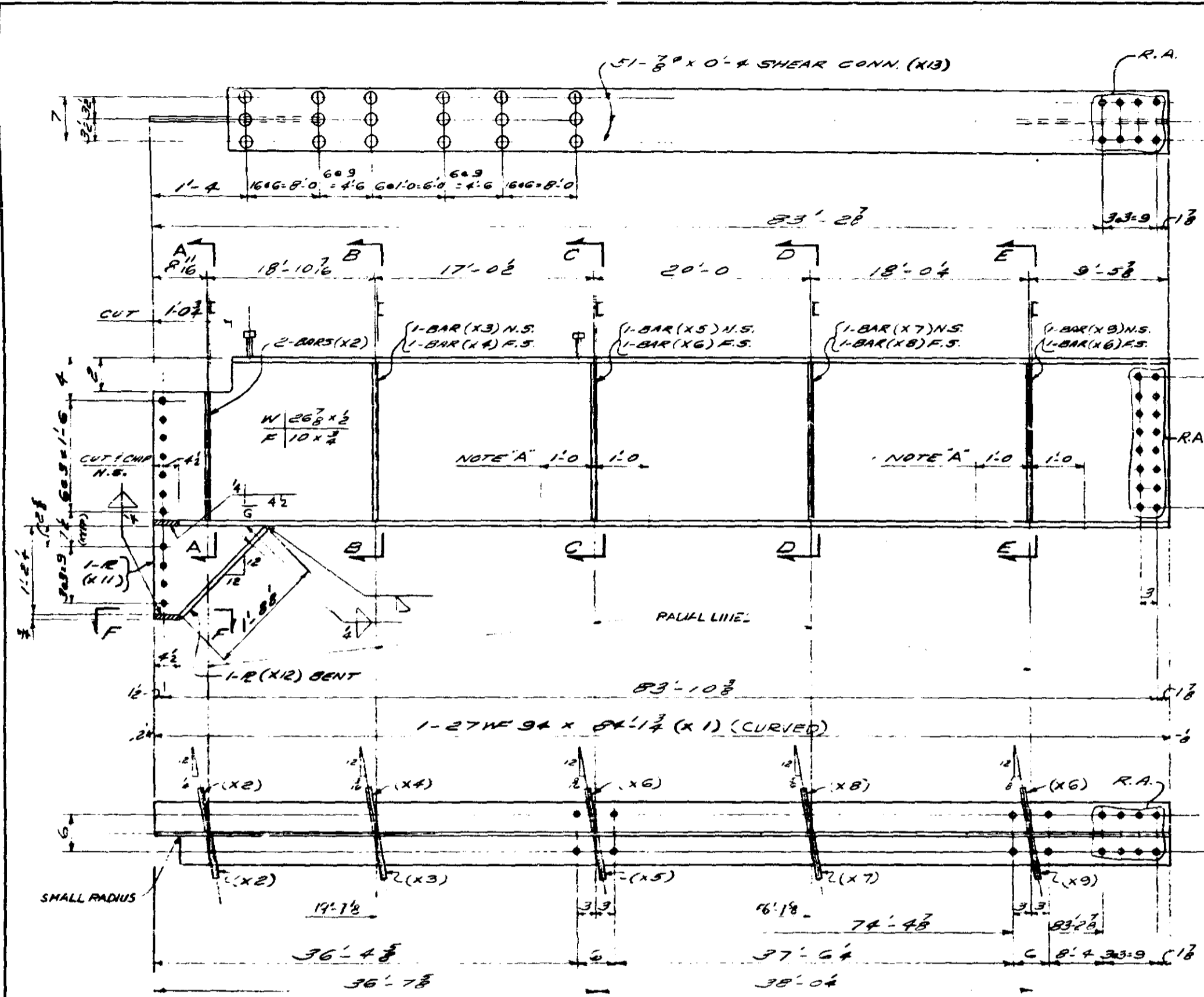
REF. Dwg. E*

REVISIONS

ALLIED STRUCTURAL STEEL COMPANY
 1225 15TH STREET HAMMOND, INDIANA 46320

DETAILS OF STRINGER - RUD TO RR2
 STRUCTURE BRIDGE # 9340
 LOCATION MINNEAPOLIS, MINNESOTA
 OWNER MINNESOTA STATE HWY. DEPT.
 CUSTOMER MINNESOTA STATE HWY. DEPT.

CONTRACT 3142 FABCOD 274 SHEET 1030



ITEM NO.	QTY	SHAPES	LENGTH	PC MK.	REMARKS	ITEM NO.	TOTAL WEIGHT
1							
2							
3	1031A	ONE STRINGER					
4	1	27W 94	84 1/2" X1			795	7910
5	2	2 BARS 7 x 1/8	2 0 1/2" X2			7018	60
6	1	BAR 7 x 1/8	2 1 1/2" X3			7020	19
7	1	BAR 7 x 1/8	2 1 1/2" X4			7020	19
8	1	BAR 7 x 1/8	2 1 1/2" X5			7020	19
9	2	BAR 7 x 1/8	2 1 1/2" X6			7020	38
10	1	BAR 7 x 1/8	2 1 1/2" X7			7020	19
11	1	BAR 7 x 1/8	2 1 1/2" X8			7020	19
12	1	BAR 7 x 1/8	2 1 1/2" X9			7020	19
13							
14	1	E 1/2" x 3/8"	1 6 3/4" X11			7017	16
15	1	E 1" x 3/8"	2 6 3/4" X12 (BENT)			7018	52
16	153	SHEAR CONN.	0 4 X13 TYPE 53F			59	129
17							
18	1	5" WLD.	2 8				NC
19	1	6" WLD.	11 4				NC
20							
21							
22					* MULTIPAT WITH 9" 19" ON SHT. 1035 (R. 14 1/2" 2 1/2")		
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NOTES:
 FOR MAT'L SPEC. SEE BILL OF MAT'L.
 FOR GEN. NOTES SEE SHT. GN-1.
 FOR INSPECTION OF ALL LLS SEE NOTE 'A' IN SHT. GN-1.

NOTE 'A'
 BOT. FLG. TO BE 90° TO WEB
 & SUPP. FOR DISTANCE INDICATED.

ALLIED STRUCTURAL STEEL COMPANY
 ENGINEERS FABRICATORS Erectors
 1415 15TH STREET, HARMON, INDIANA 46020

MINN. PROV. NO. 1-1635W-3(58)112 DIVISION 10
 STATE PROV. NO. 2743 23A U (74-35W-331) FAB.

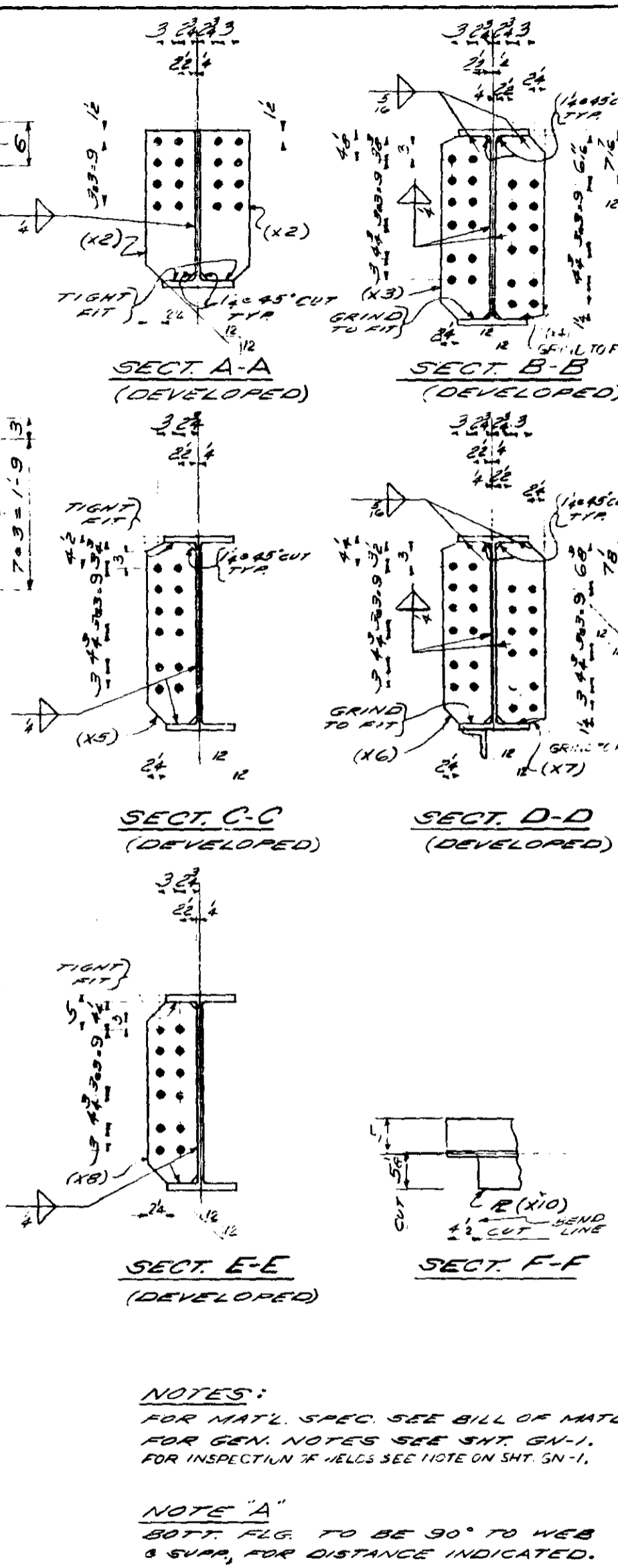
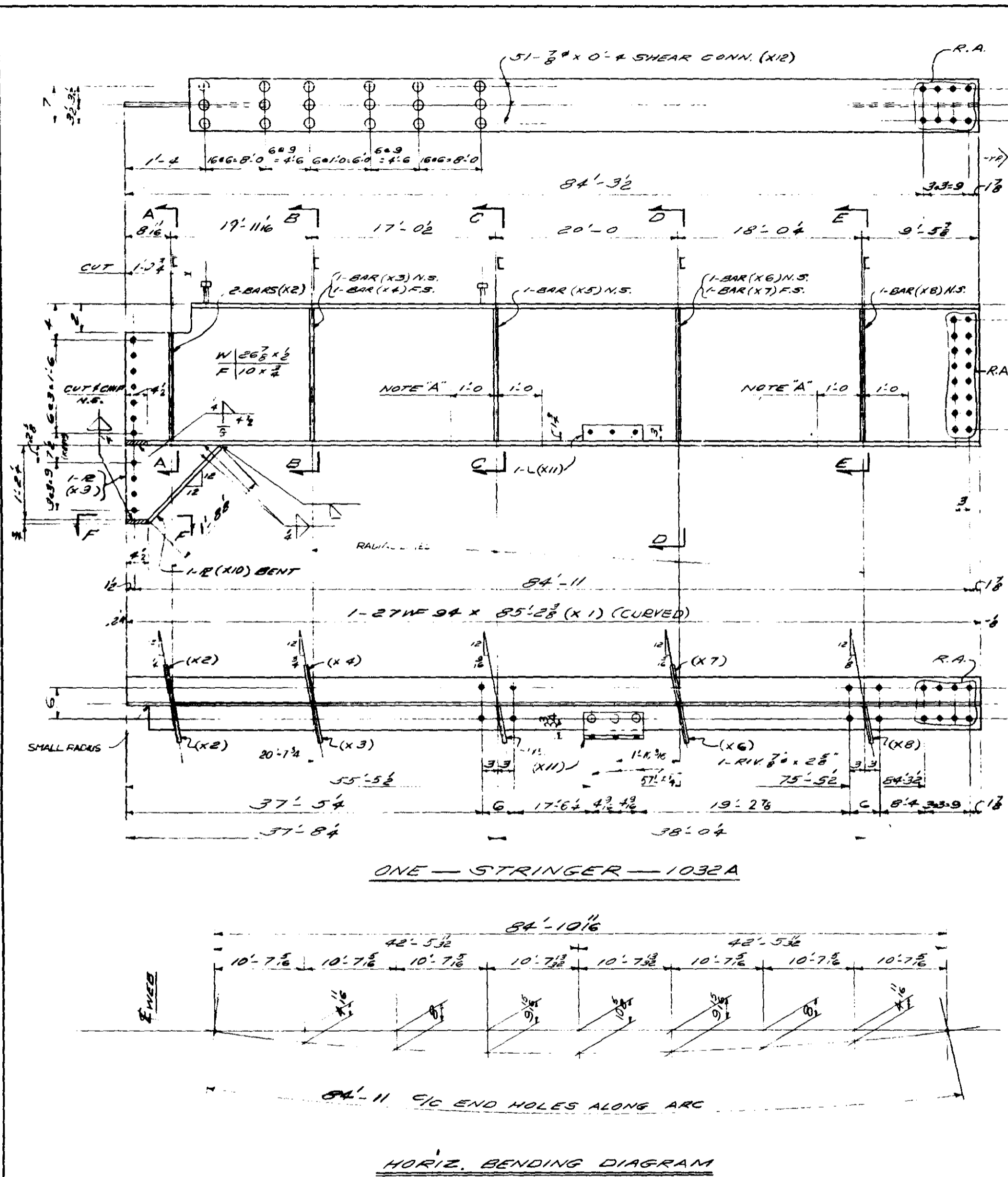
DETAILS OF STRINGER - R.F. 40 TO R.F. 20
 STRUCTURE BRIDGE # 3340

LOCATION MINNEAPOLIS, MINNESOTA
 OWNER MINNESOTA STATE HWY. DEPT.
 CUSTOMER MINNESOTA STATE HWY. DEPT.

DRAWN BY RL DATE 2-16-66 CHECKED BY G.W. DATE 4-28

CONTRACT 3142 FABCOD 274 SHEET 1031

REV. DWG.	REVISIONS	DATE
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	△	
	△	
	△	



ITEM	QTY	SHAPE	LENGTH	PC. MK.	REMARKS	ITEM NO.	TOTAL WEIGHT
1							
2							
3	AREA ONE	STRINGER			(66'-10 1/2")		
4	1	27WF94	85' 2 1/2"	X1		7003-53	2009 3306
5	2	BAR 7 x 3/8	2' 0 1/2"	X2		7018	60
6	1	BAR 7 x 3/8	2' 1 1/2"	X3		7020	19
7	1	BAR 7 x 3/8	2' 1 1/2"	X4		7020	19
8	1	BAR 7 x 3/8	2' 1 1/2"	X5		7020	19
9	1	BAR 7 x 3/8	2' 1 1/2"	X6		7020	19
10	1	BAR 7 x 3/8	2' 1 1/2"	X7		7020	19
11	1	BAR 7 x 3/8	2' 1 1/2"	X8		7020	19
12	1	PL 1/2 x 2	1' 6 3/4"	X9	*	7017	12
13	1	PL 1/2 x 2	2' 0"	X10 (BENT)		7016	52
14	1	L 5 x 3 x 3/8	1' 0 1/2"	X11			12
15	153	SHEAR CONN.	0' 4"	X12 TYPE S3A	W80	59	129 3306
16	3	RIV 3/8"					12
17							
18	1	5" WLD.	2' 8"				12
19	1	4" WLD.	35' 0"				12
20							
21							
22					* MULTICUT WITH R. (6' ON SHT 1033 (2' 1/4" x 2" W/2)		
23							
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54		BID ITEM	59		8374		
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MINN. PROJ. NO. 21633-5(58)112 DIVISION 10
 STATE PROJ. NO. 21633-5(58)112 HAMMOND FAB.

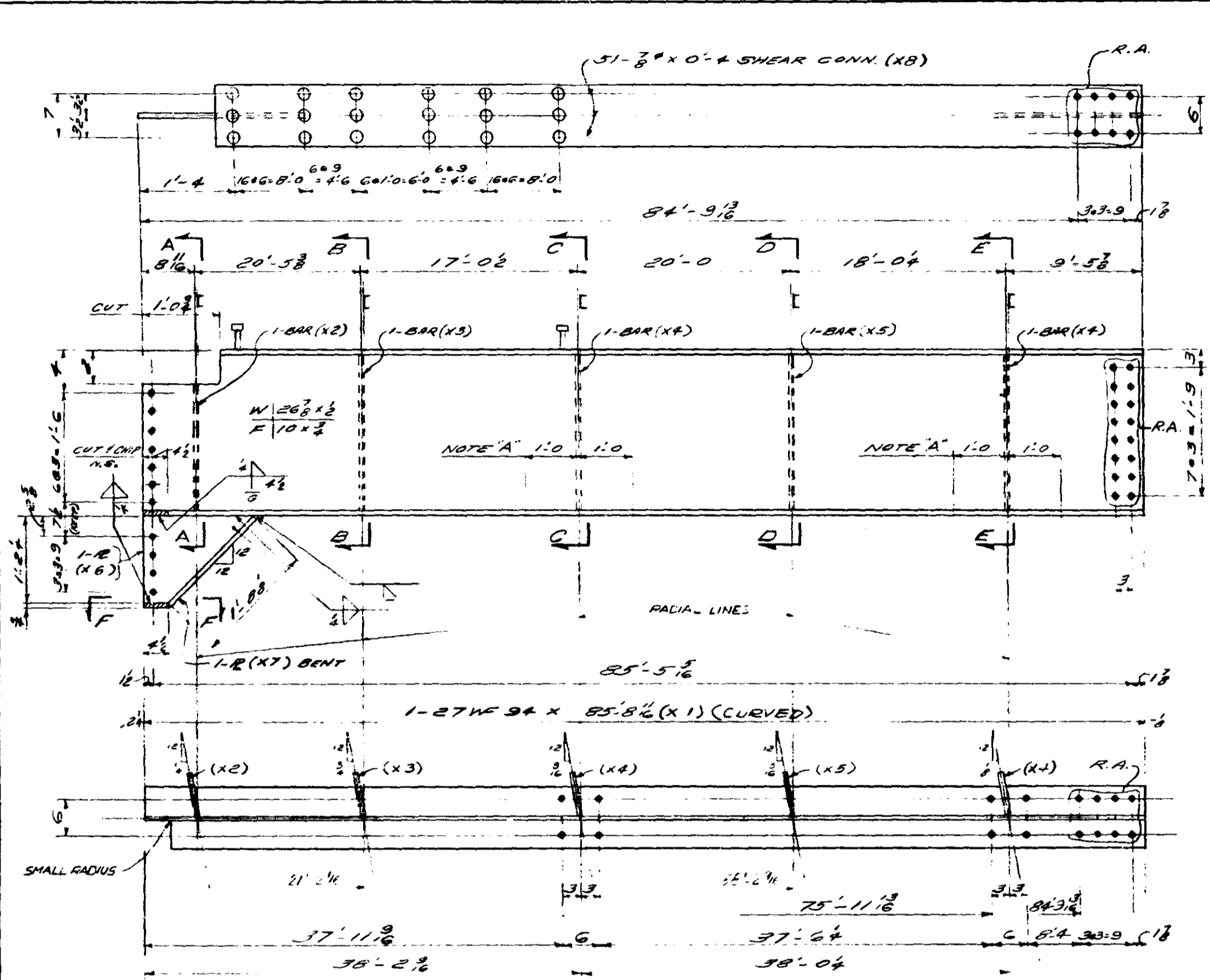
OPEN HOLES 15" RIVETS & BOLTS 7" PAINT YES, SEE SN-1
 DRAWN BY RL DATE 3-21-66 CHECKED BY SN DATE 5-2

REF. DWG. E4 REVISIONS

ALLIED STRUCTURAL STEEL COMPANY
 ENGINEERS, FABRICATORS, ERECTORS
 1212 19TH STREET, HARBOR, MINN. 55428

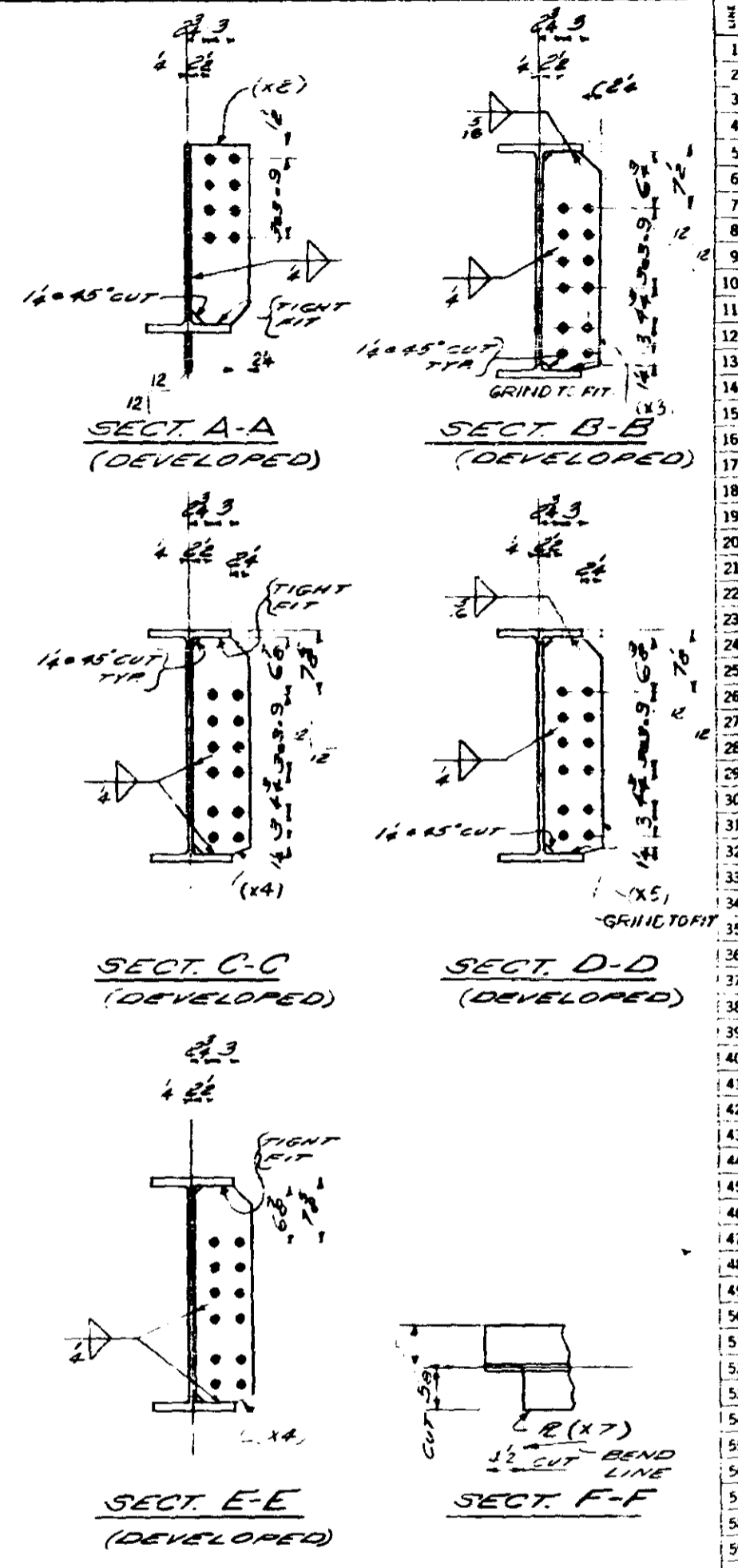
DETAILS OF STRINGER - P. 10 TO P. 12
 STRUCTURE BRIDGE #340
 LOCATION MINNEAPOLIS, MINNESOTA
 OWNER MINNESOTA STATE HWY. DEPT.
 CUSTOMER MINNESOTA STATE HWY. DEPT.

CONTRACT 3142 FABCOD 274 SHEET 1032



ONE - STRINGER - 1033A

HORIZ. BENDING DIAGRAM



NOTES:
 FOR MATL. SPEC SEE BILL OF MATL.
 FOR GEN. NOTES SEE SHT. GN-1.
 FOR INSPECTION OF WELDS SEE SHT. GN-1.

NOTE "A"
 BOT. FLG. TO BE 90° TO WEB
 & SUPP. FOR DISTANCE INDICATED.

LINE	SHIP MK	NO	REQD	SHAPE	LENGTH	PC	REMARKS	ITEM NO	TOTAL WEIGHT	
1										
2										
3				1033A ONE STRINGER			(62.85' L)			
4				1 27W 94	85'-5 1/8"	X1		702	9.58	
5				1 BAR 7 x 3/8	2'-0 1/2"	X2		702	30	
6				1 BAR 7 x 3/8	2'-1 1/2"	X3		702	19	
7				2 BAR 7 x 3/8	2'-1 1/2"	X4		702	38	
8				1 BAR 7 x 3/8	2'-1 1/2"	X5		702	19	
9				1 R 1 1/2 x 2	1'-6 1/4"	X6	*	702	47	
10				1 R 10 x 3	2'-0 1/2"	X7 (BENT)		702	52	
11				153 SHEAR CNK	0'-4"	X8	TYPES 53K	702	12.7	
12									3306	
13										
14				1 3" WLD.	1'-4"				NC	
15				1 1/2" WLD.	2'-0"				NC	
16										
17										
18										
19				* MULTICUT WITH R (19) ON SHT 1032 (R 1/4" x 1/4" x 1/4")						
20										
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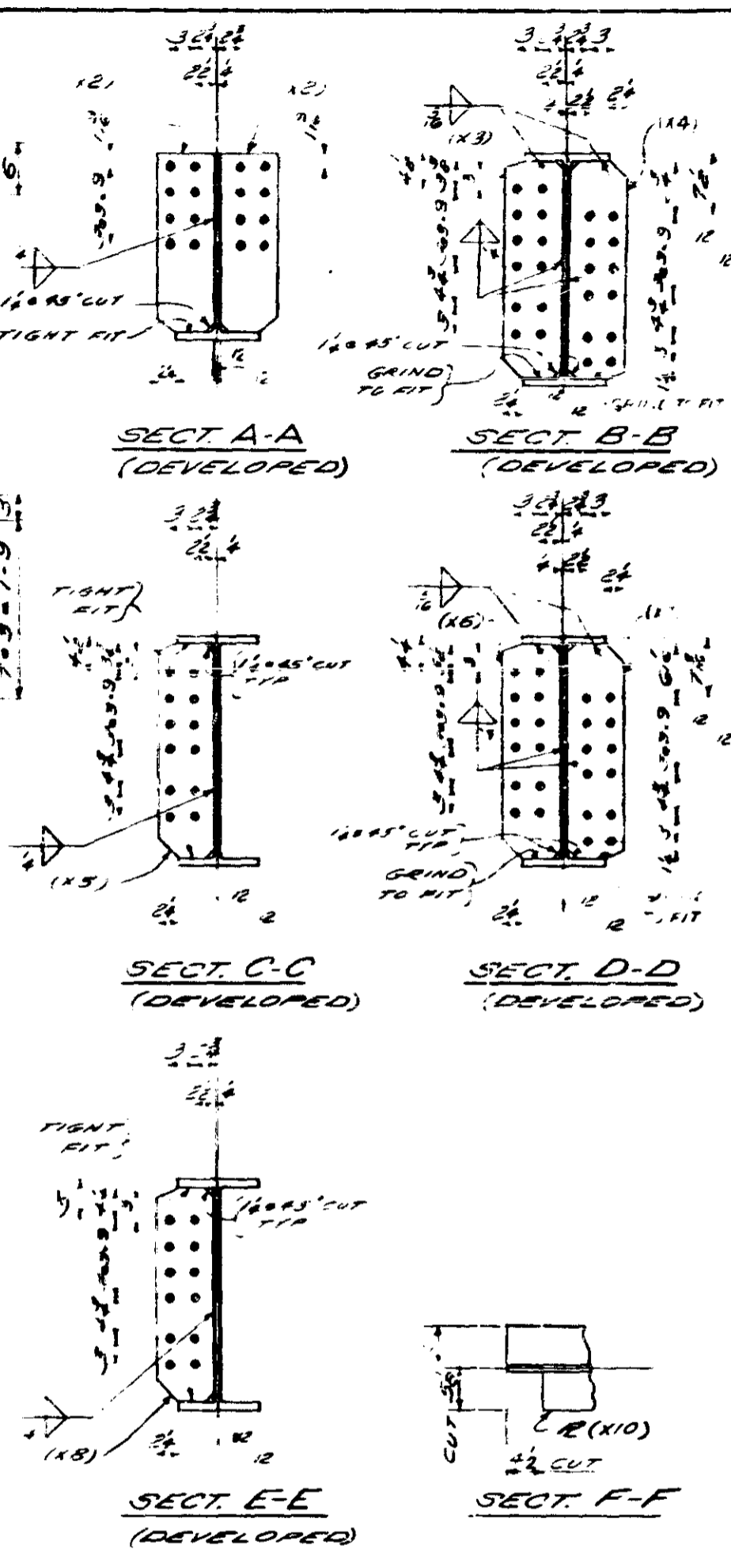
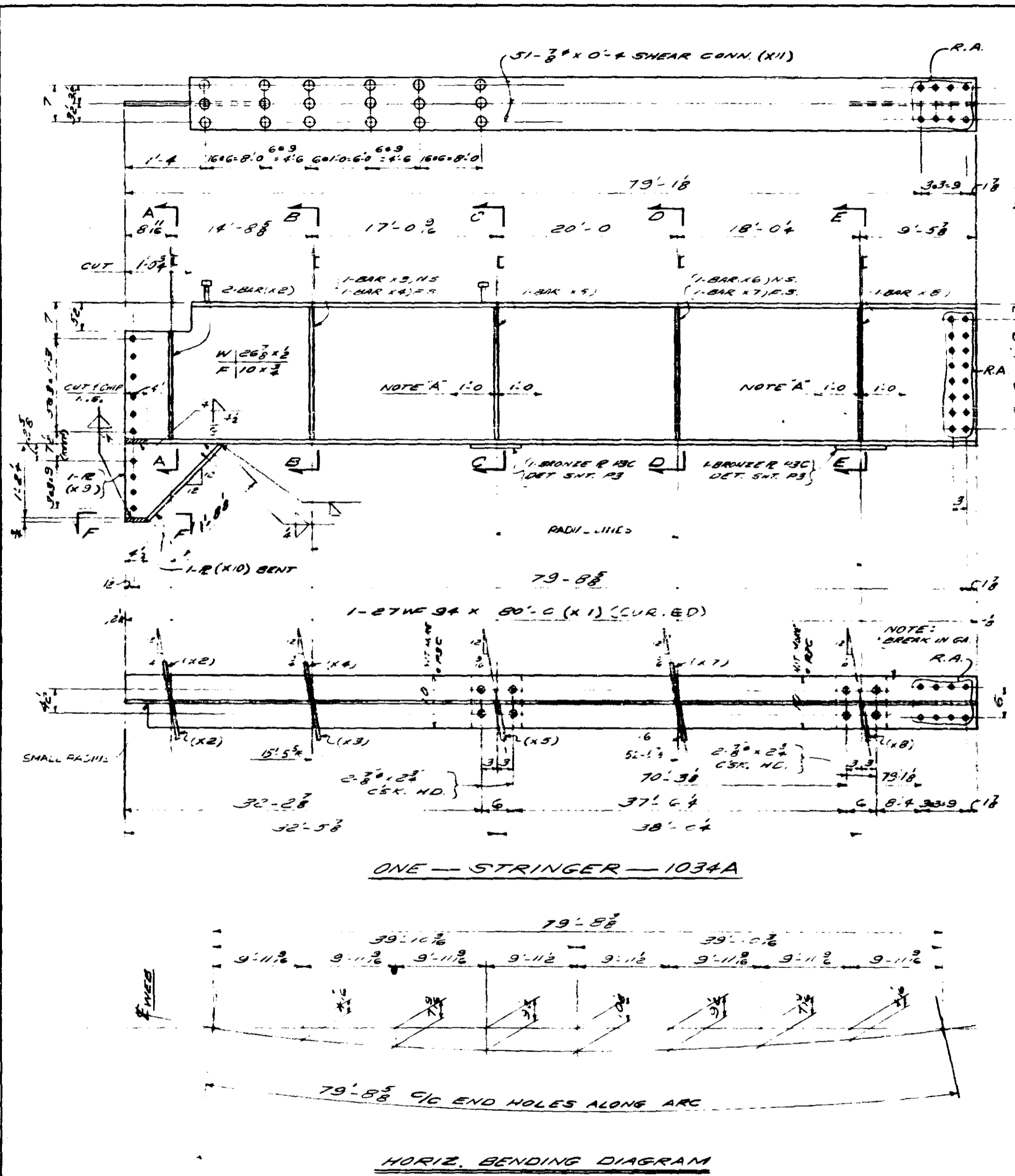
ALLIED STRUCTURAL STEEL COMPANY
 1414 IOWA STREET, MINNEAPOLIS, MINNESOTA 55404

MINN. PROJ. NO. F1635W-3(50)112 DIVISION 10
 STATE PROJ. NO. 27-3-32.6 (F1635W.339) FAB.

DETAILS OF STRINGER - P. 10 TO P. 12
 STRUCTURE BRIDGE # 3340
 LOCATION MINNEAPOLIS, MINNESOTA
 OWNER MINNESOTA STATE HWY. DEPT.
 CUSTOMER MINNESOTA STATE HWY. DEPT.

OPEN HOLES 15" RIVETS & BOLTS PAINT YES, SEE GN-1
 DRAWN BY RL DATE 3-16-66 CHECKED BY GN DATE 4/2

CONTRACT 3142 FABCOD 274 SHEET 1033



ITEM NO.	QTY	SHAPE	LENGTH	PC NO.	REMARKS	ITEM NO.	TOTAL WEIGHT
1						1	370
2						2	1280
3	1	MINN. ONE STRINGER	79'-8 1/2"			3	1280
4	1	27W94	90'-0" X1			4	1520
5	2	BAR 7/8	1'-8 1/2" X2			5	51
6	1	BAR 7/8	2'-1 1/2" X3			6	1
7	1	BAR 7/8	2'-1 1/2" X4			7	1
8	1	BAR 7/8	2'-1 1/2" X5			8	1
9	1	BAR 7/8	2'-1 1/2" X6			9	1
10	1	BAR 7/8	2'-1 1/2" X7			10	1
11	1	BAR 7/8	2'-1 1/2" X8			11	1
12	1	BAR 7/8	1'-6 1/2" X9			12	47
13	1	BAR 10/8	2'-0 1/2" X10 (BENT)			13	3306
14	53	SHEAR CONN. 0'-4" X11	TYPE 33A			14	59
15	2	BRONZE P	DET. SHT. P3			15	3325
16	8	CSK. NO. 10				16	11/2
17						17	
18						18	
19	1	3" WLD.	2'-8"			19	11/2
20	1	4" WLD.	35'-0"			20	11/2
21						21	
22						22	
23						23	
24						24	
25						25	
26						26	
27						27	
28						28	
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NOTES:
 FOR MATL. SPEC. SEE BILL OF MATL.
 FOR GEN. NOTES SEE SHT. GN-1.
 FOR INSPECT. N OF WELLS SEE NOTE (SHT. 311)

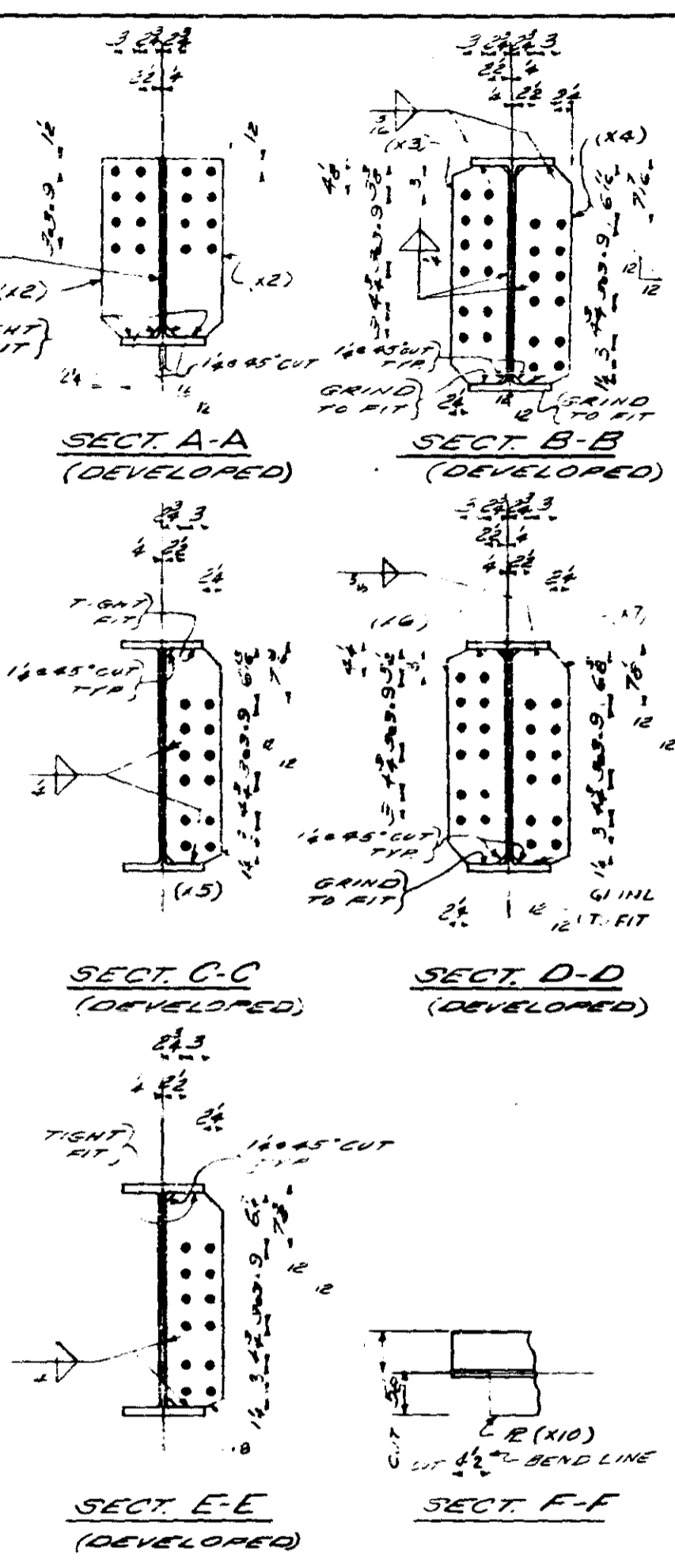
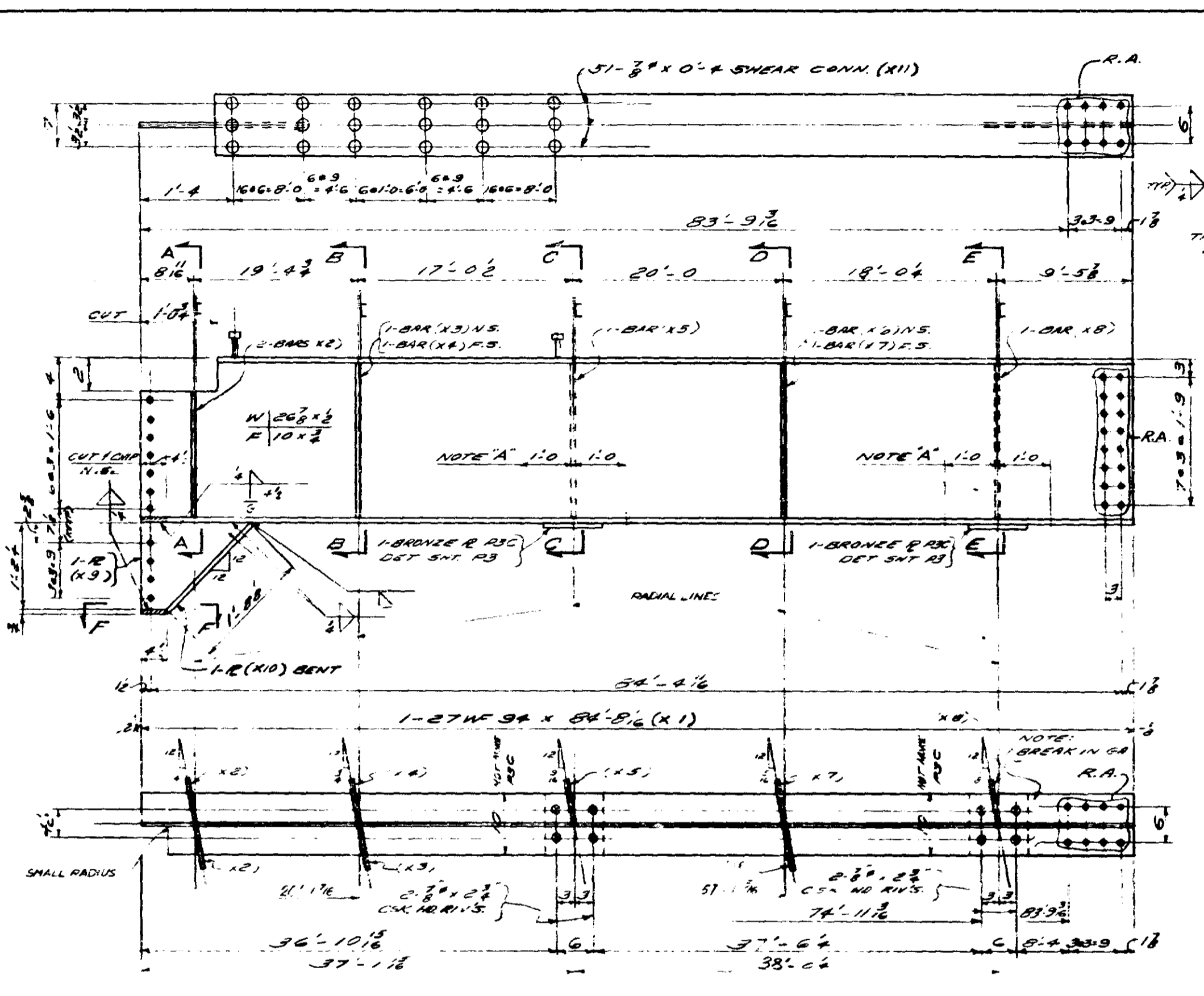
NOTE A:
 BOT. FLG. TO BE 90° TO WEB
 & SUPP. FOR DISTANCE INDICATED.

MINN. PROJ. NO. 5-1635W-3(58)112 DIVISION 10
 STATE PROJ. NO. 8793-39K(1)(7)(8)(9)(10)

STRUCTURE BRIDGE 3340
 LOCATION MINNEAPOLIS, MINNESOTA
 OWNER MINNESOTA STATE HWY. DEPT.
 CUSTOMER MINNESOTA STATE HWY. DEPT.

CONTRACT 3142 FABCOD 274 SHEET 1034





NOTES:
 FOR MAT'L. SPEC. SEE BILL OF MAT'L.
 FOR GEN. NOTES SEE SMT. GN-1.
 REF. III SECTION OF WELLS SEE NOTE ON SMT. GN-1.

NOTE 'A'
 BOTH FLG. TO BE 90° TO WEB
 & SUPP. FOR DISTANCE INDICATED.

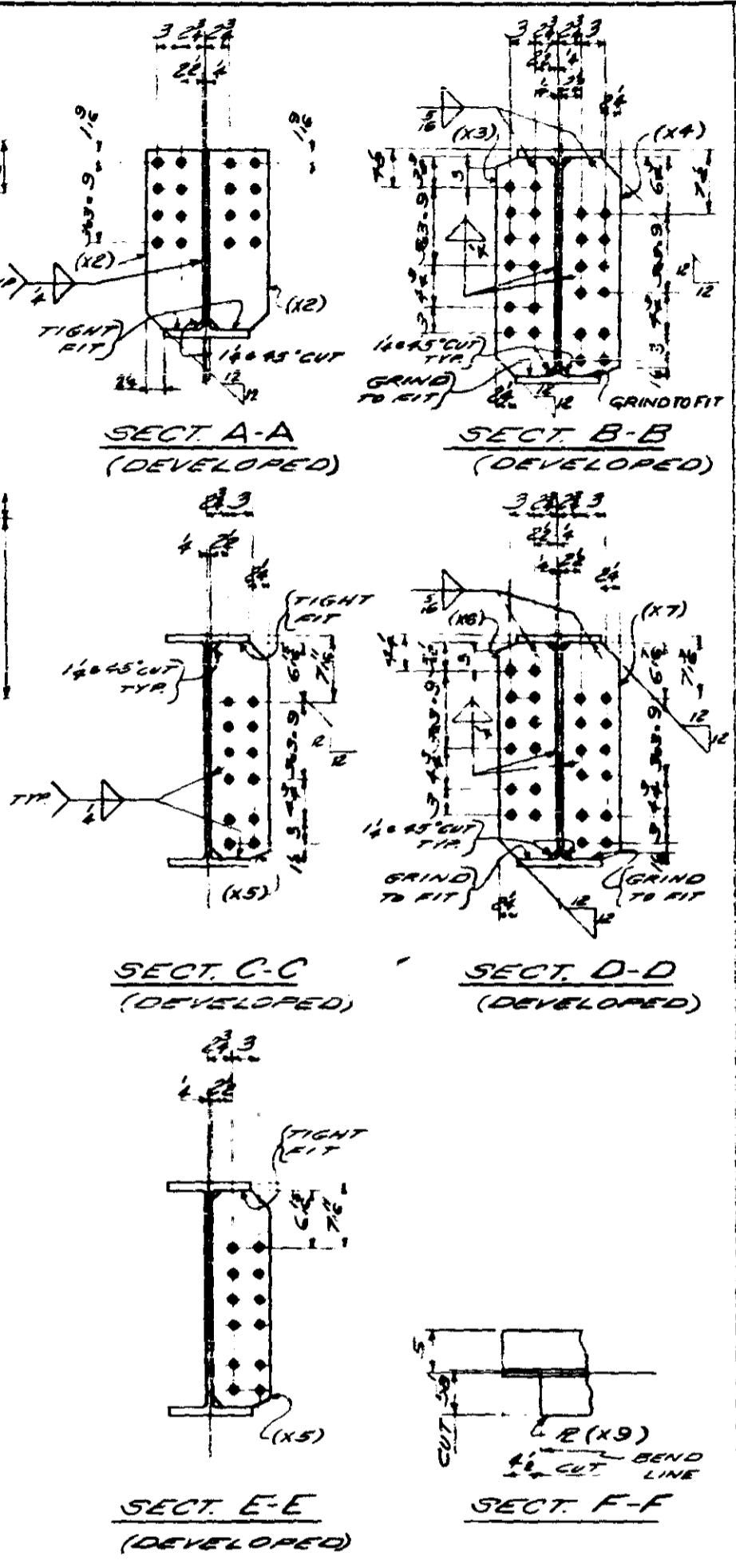
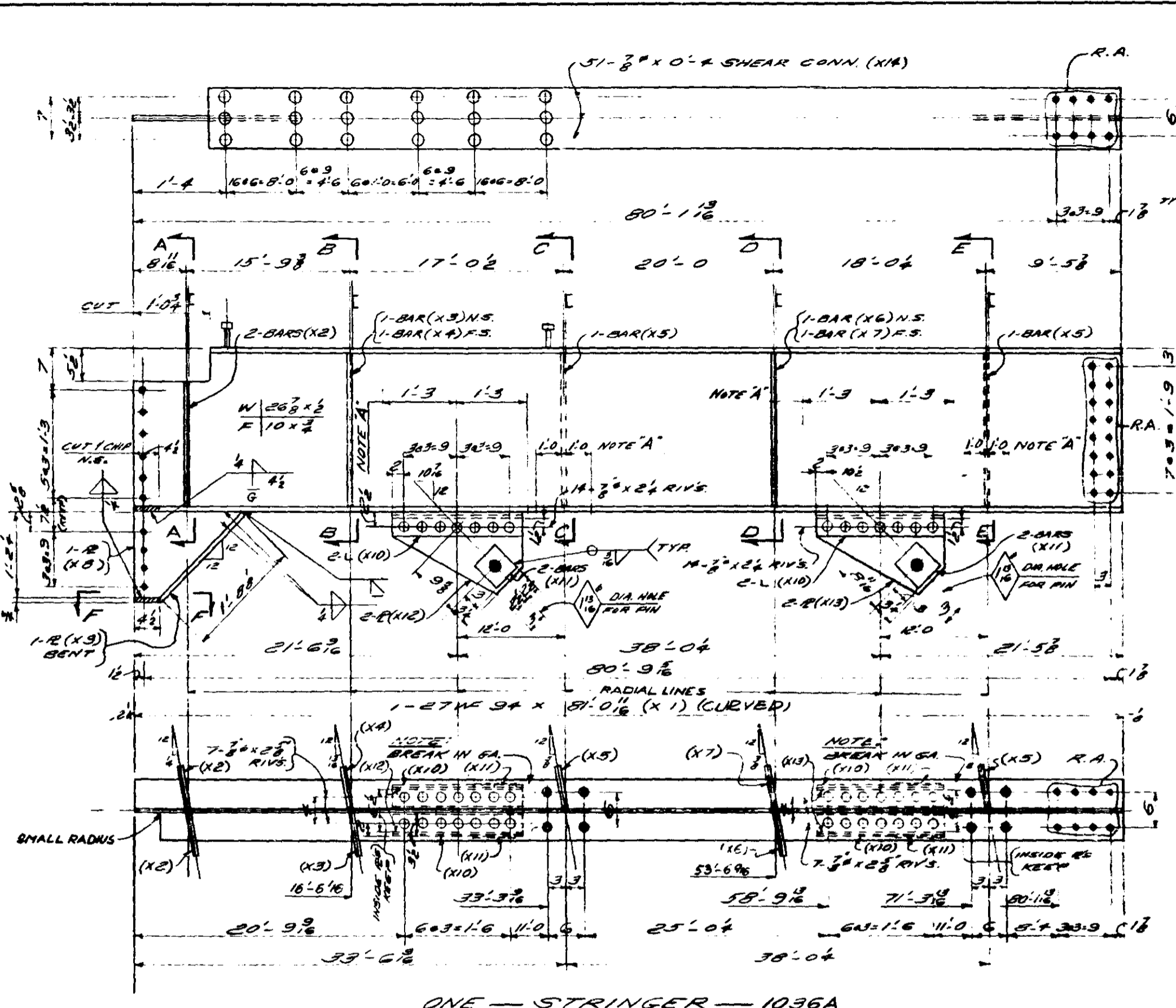
ITEM NO.	SHIP NO.	NO. REQD.	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	TOTAL WEIGHT
3	ABA	1	STRINGER	84'-4 1/8"				
4		1	27WF94	84'-4 1/8"	X1		53	7954
5		2	BAR 7/8"	2'-0"	X2			67
6		1	BAR 7/8"	2'-1 1/2"	X3			19
7		1	BAR 7/8"	2'-1 1/2"	X4			19
8		1	BAR 7/8"	2'-1 1/2"	X5			19
9		1	BAR 7/8"	2'-1 1/2"	X6			19
10		1	BAR 7/8"	2'-1 1/2"	X7			19
11		1	BAR 7/8"	2'-1 1/2"	X8			19
12		1	BAR 1 1/2" X 2"	1'-6 1/2"	X9*			47
13		1	BAR 10" X 1/2"	2'-0"	X10 (BENT)			52
14		2	SWEAR CONN. 0" X 11"	TYPE SW			53	3306
15		2	BRONZE R	ØC				3325
16		8	CSK. HOR. RIV.	Ø				112
17								
18								
19		1	1/2" WLD.	2' 8"				112
20		1	1/2" WLD.	35' 0"				112
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ALLIED STRUCTURAL STEEL COMPANY
 ENGINEERS, FABRICATORS, ERECTORS
 1412 13TH STREET WARDEN, MINN. 55080

MINN. PROJ. NO. 22635W-3(58)112 DIVISION 10
 STATE PROJ. NO. 272 33B (22635W-33B) HAMMOND FAB.

DETAILS OF: STRINGER - P. 10 TO P. 12
 STRUCTURE: BRIDGE # 3340
 LOCATION: MINNEAPOLIS, MINNESOTA
 OWNER: MINNESOTA STATE HWY. DEPT.
 CUSTOMER: MINNESOTA STATE HWY. DEPT.

DRAWN BY: RL DATE: 5/2 CHECKED BY: GJ DATE: 5/2
 REVISIONS: [] [] [] []
 CONTRACT 3142 FABCO 274 SHEET 1035



ITEM NO.	QTY	SHAPE	LENGTH	PC NO.	REMARKS	TOTAL WEIGHT	
						STD	NET
1							
2							
3	1	27WFS4	81'-0 1/2"	X1	(SEE SHT 102)		
4	2	BAR 7 x 3/8	2'-11 1/2"	X2		7011	53
5	1	BAR 7 x 3/8	2'-11 1/2"	X3		7020	51
6	1	BAR 7 x 3/8	2'-11 1/2"	X4		7020	19
7	2	BAR 7 x 3/8	2'-11 1/2"	X5		7020	19
8	2	BAR 7 x 3/8	2'-11 1/2"	X6		7020	38
9	1	BAR 7 x 3/8	2'-11 1/2"	X7		7020	19
10	1	BAR 7 x 3/8	2'-11 1/2"	X7		7020	19
11	1	R 12 x 6	1'-0 1/2"	X8		7017	47
12	1	R 10 x 4	2'-0 1/2"	X9	(BENT)	7016	52
13	4	L 4 x 3 1/2 x 1/4	1'-10"	X10		7006	67
14	4	SHS 5 x 3	0'-5 1/2"	X11		7007	10
15	2	R 12 x 6	1'-10"	X12		7015	62
16	2	R 12 x 6	1'-10"	X13		7015	59
17	153	SHEAR CONN	0'-4"	X14	TYPE 53F	59	3306
18	56	RIVS 5/8"					NC
19							
20	1	1/2" WLD	7'-8"				NC
21	1	1/2" WLD	2'-8"				
22	1	1/2" WLD	35'-0"				
23							
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NOTES:
 FOR MATL. SPEC. SEE BILL OF MATL.
 FOR GEN. NOTES SEE SHT. GN-1.
 FOR INSPECTION OF WELDS SEE NOTE ON SHT. GN-1.

NOTE 'A'
 BOTT. FLG. TO BE 90° TO WEB
 & SWAP, FOR DISTANCE INDICATED.

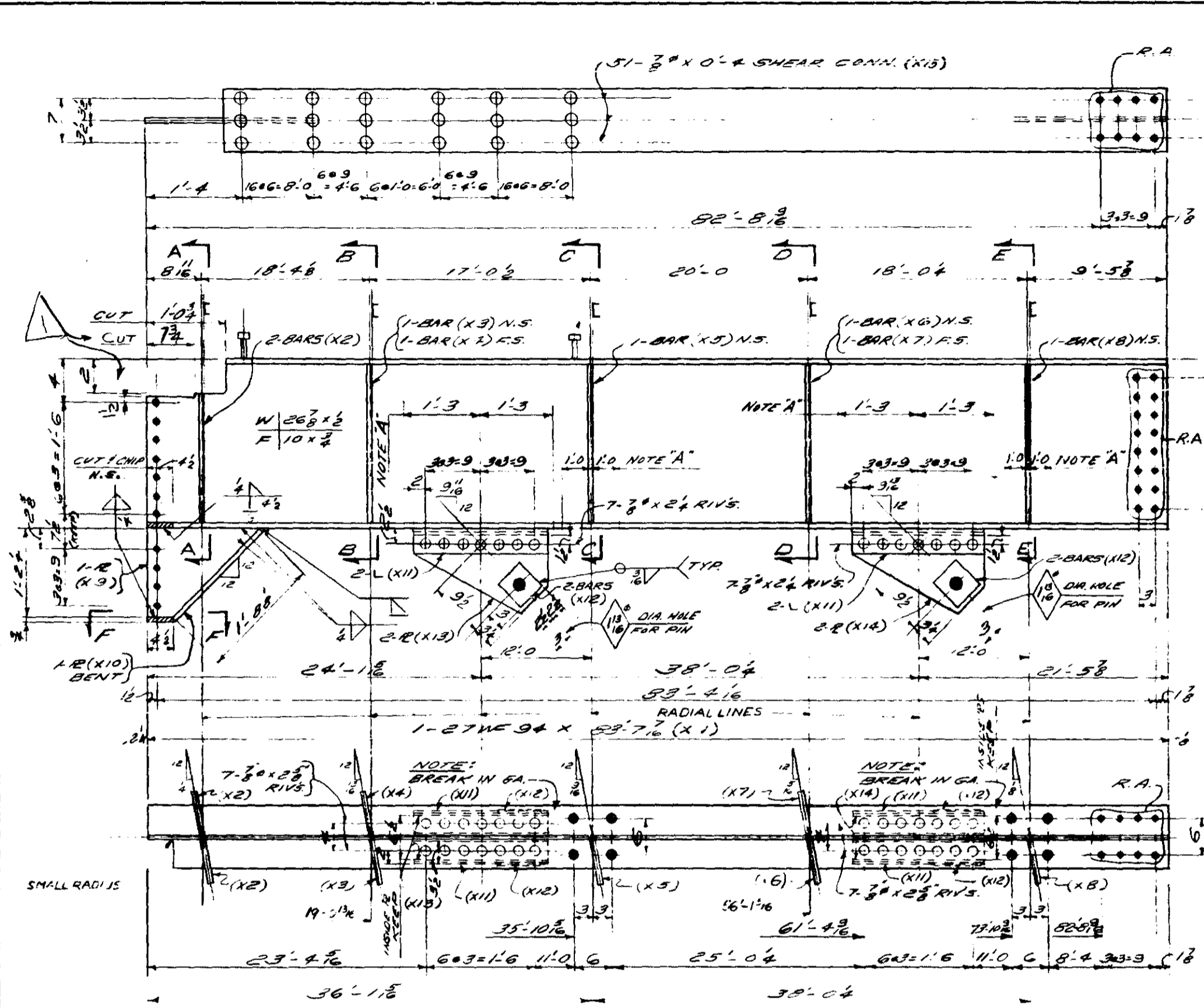
ALLIED STRUCTURAL STEEL COMPANY
 1410 W. WISCONSIN ST. MILWAUKEE, WIS. 53233

MINN. PROJ. NO. 273-3308-3(50)112 DIVISION 10
 STATE PROJ. NO. 273-3308 (TNR 273-3308) HAMMOND PAB.

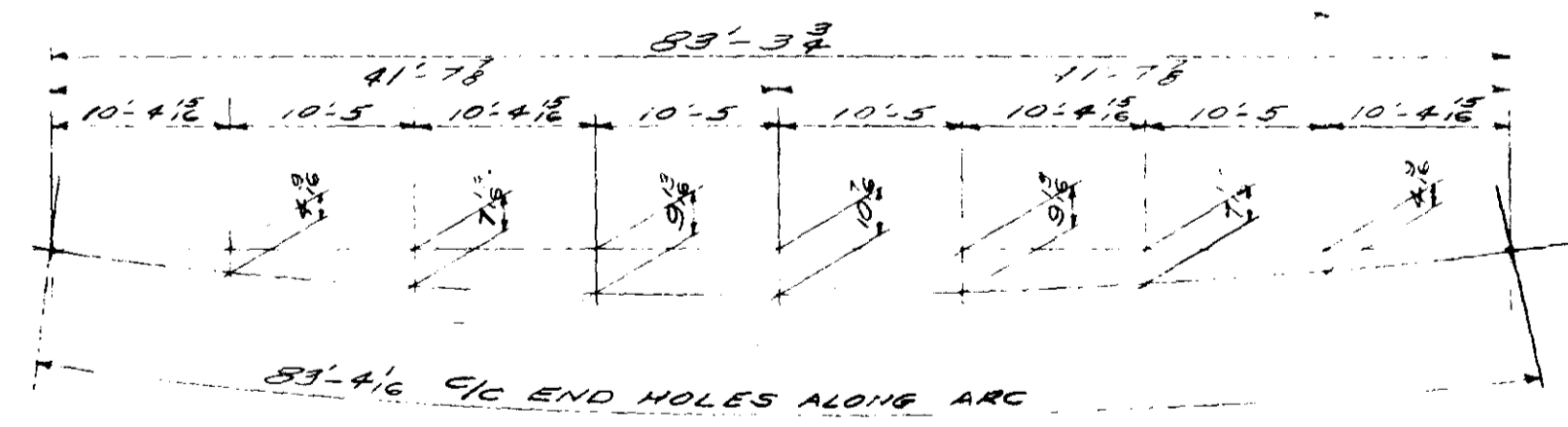
DETAILS OF **STRINGER - P.F. 40 TO P.F. 2**
 STRUCTURE **BRIDGE # 3340**
 LOCATION **MINNEAPOLIS, MINNESOTA**
 OWNER **MINNESOTA STATE HWY. DEPT.**
 CUSTOMER **MINNESOTA STATE HWY. DEPT.**

OPEN HOLES 1 1/2" RIVETS & BOLTS 3/4" PAINT YES, SEE GN-1
 DRAWN BY **RL** DATE **3-28-56** CHECKED BY **GN** DATE **5/2**

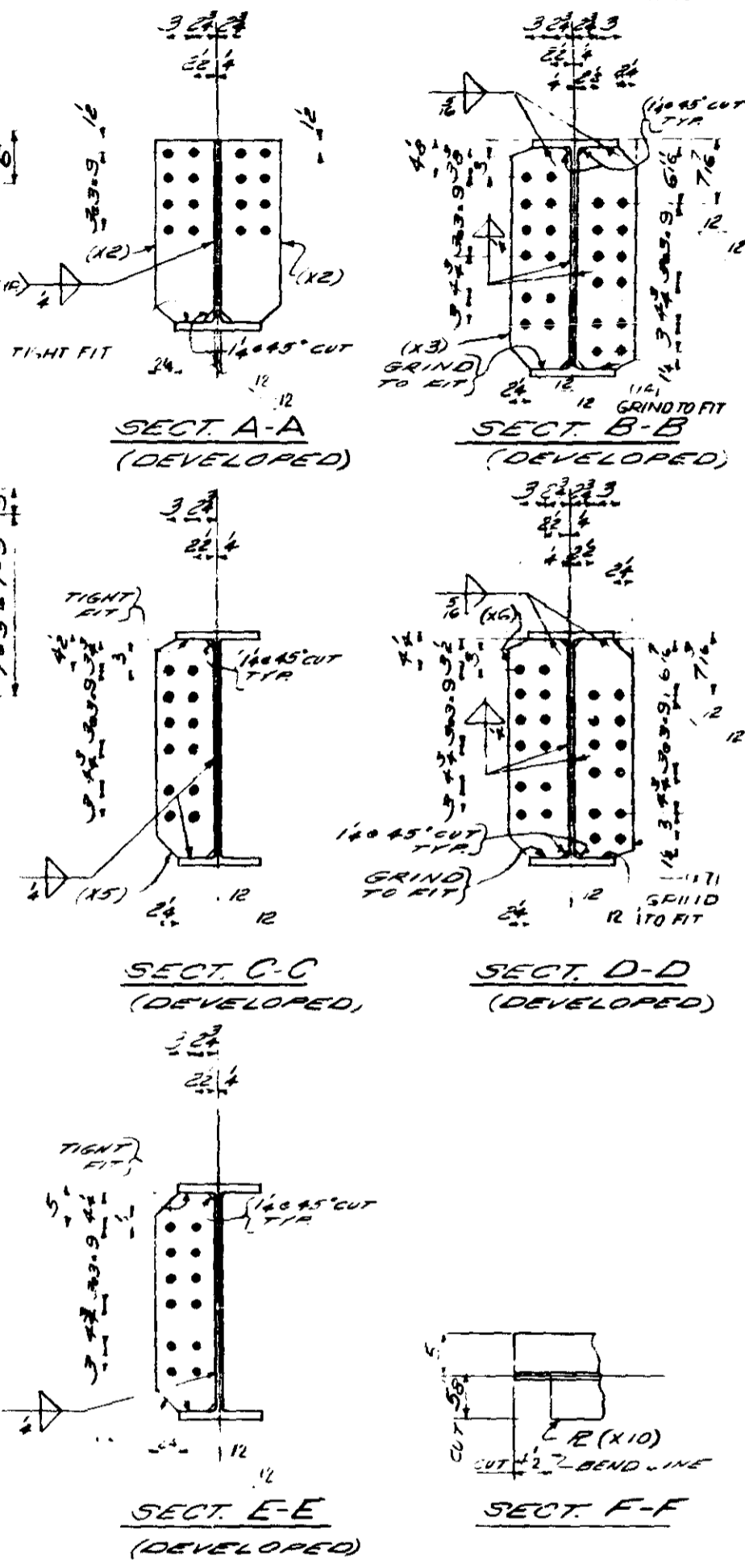
CONTRACT **3142** FASCOD **274** SHEET **1036**



ONE - STRINGER - 1037A



HORIZ. BENDING DIAGRAM



NOTES:
 FOR MATL. SPEC. SEE BILL OF MATL.
 FOR GEN. NOTES SEE SHT. GN-1.
 FOR DETAIL OF RIVETS SEE NOTE IN SHT. 311-1

NOTE "A"
 BOTH FLG. TO BE 90° TO WEB
 & SWAP, FOR DISTANCE INDICATED.

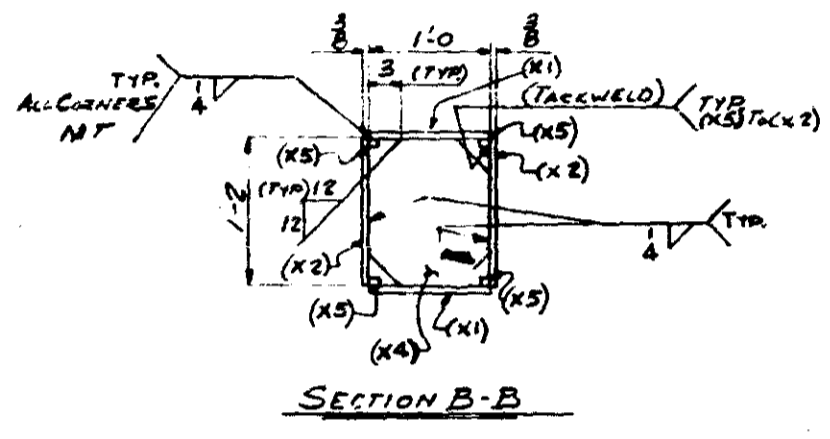
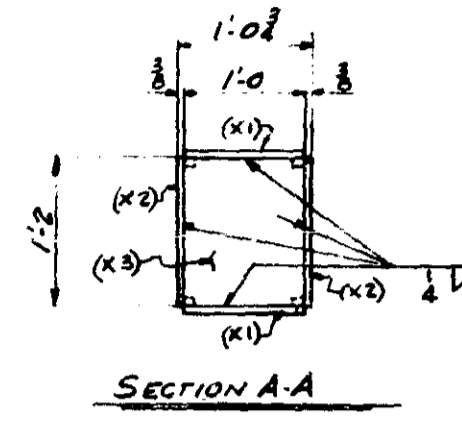
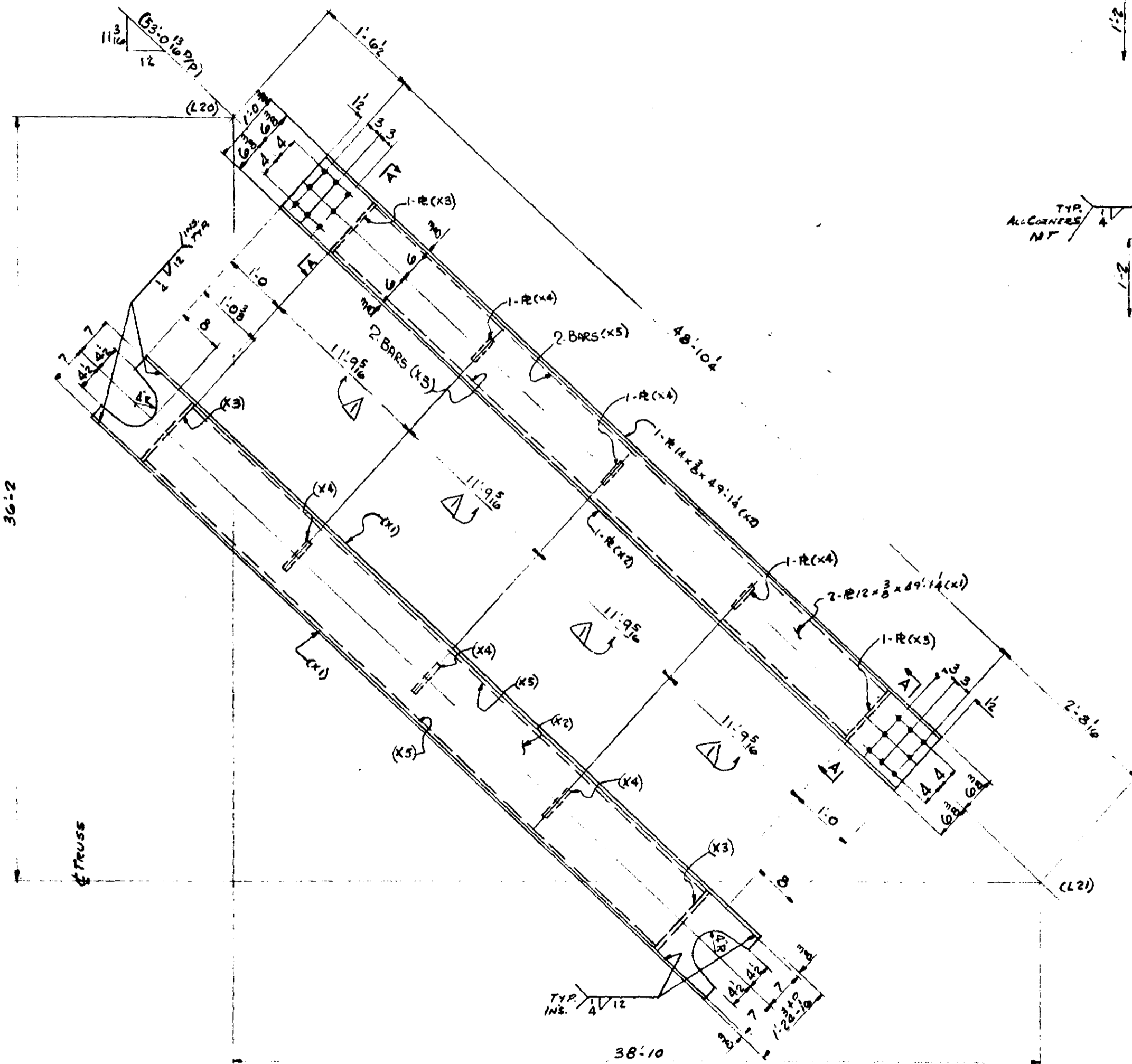
ITEM NO.	SHIP NO.	NO. REQD.	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	TOTAL WEIGHT
1								
2								
3	1037A	ONE	STRINGER	51'-3 3/4"				
4		1	27WF94	83'-4 1/2"	X1		7834	2306
5		2	BAR 7 x 8	2'-0"	X2		60	
6		1	BAR 7 x 8	2'-1 1/2"	X3		19	
7		1	BAR 7 x 8	2'-1 1/2"	X4		19	
8		1	BAR 7 x 8	2'-1 1/2"	X5		19	
9		1	BAR 7 x 8	2'-1 1/2"	X6		19	
10		1	BAR 7 x 8	2'-1 1/2"	X7		19	
11		1	BAR 7 x 8	2'-1 1/2"	X8		19	
12		1	PLATE	1'-6"	X9	*	47	
13		1	PLATE	2'-0"	X10	(BENT)	52	
14		4	L 4 x 3 x 3/8	1'-10"	X11		67	
15		4	BAR 5 x 7/8	0'-5 1/2"	X12		10	
16		2	E 13 x 1 1/2	1'-10"	X13		63	
17		2	E 13 x 1 1/2	1'-10"	X14		62	3306
18		53	SHEAR CONN.	0'-4"	X15	TYPE S34	29	3306
19		56	RIVETS				NE	
20								
21								
22		1	3" WLD	7'-2"			NE	
23		1	2" WLD	2'-8"				
24		1	2" WLD	35'-0"				
25								
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27								
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ALLIED STRUCTURAL STEEL COMPANY
 1215 16TH STREET MINNEAPOLIS, MINN. 55403

MINN. PROJ. NO. 51635W-5(58)112 DIVISION 10
 STATE PROJ. NO. 1037A (THRESH. 334) HAMMOND FAB.

DETAILS OF STRINGER - R.R. UO TO R.R. U2
 STRUCTURE BRIDGE #340
 LOCATION MINNEAPOLIS, MINNESOTA
 OWNER MINNESOTA STATE HWY. DEPT.
 CUSTOMER MINNESOTA STATE HWY. DEPT.

CONTRACT 3142 FABCOD 274 SHEET 1037



NOTES:
 FOR GENERAL NOTES SEE SHGNI
 MATL. SPECS: SEE BILL OF MATL.
 FOR INSPECTION OF WELDS SEE
 NOTE ON SHGNI

2-BOTTOM CHORD DIAGONALS 1101A

ITEM NO.	SHIP NO.	NO. REQ.	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	ESTD. ITEM	TOTAL WEIGHT	PC. NO.
1										
2	1101A	2	B.C. DIAGONALS	15 x 49'-0"						
3										
4		4	R 12 x 3	49' 1 1/2" x 1			514	59	3005	3300
5		4	R 12 x 3	49' 1 1/2" x 2			515	59	3506	3300
6		4	R 12 x 3	1' 2" x 2			517	59	71	3300
7		6	R 12 x 3	1' 2" x 4			517	59	107	3300
8		8	BAR 3/8 x 3/8	47' 0 1/2" x 5			516	59	181	3300
9		2	4 F.W.B.	217' 6"						
10										
11										
12										
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40										
41										
42										
43										
44										
45										
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49										
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51			BID ITEM	59 =		6870				
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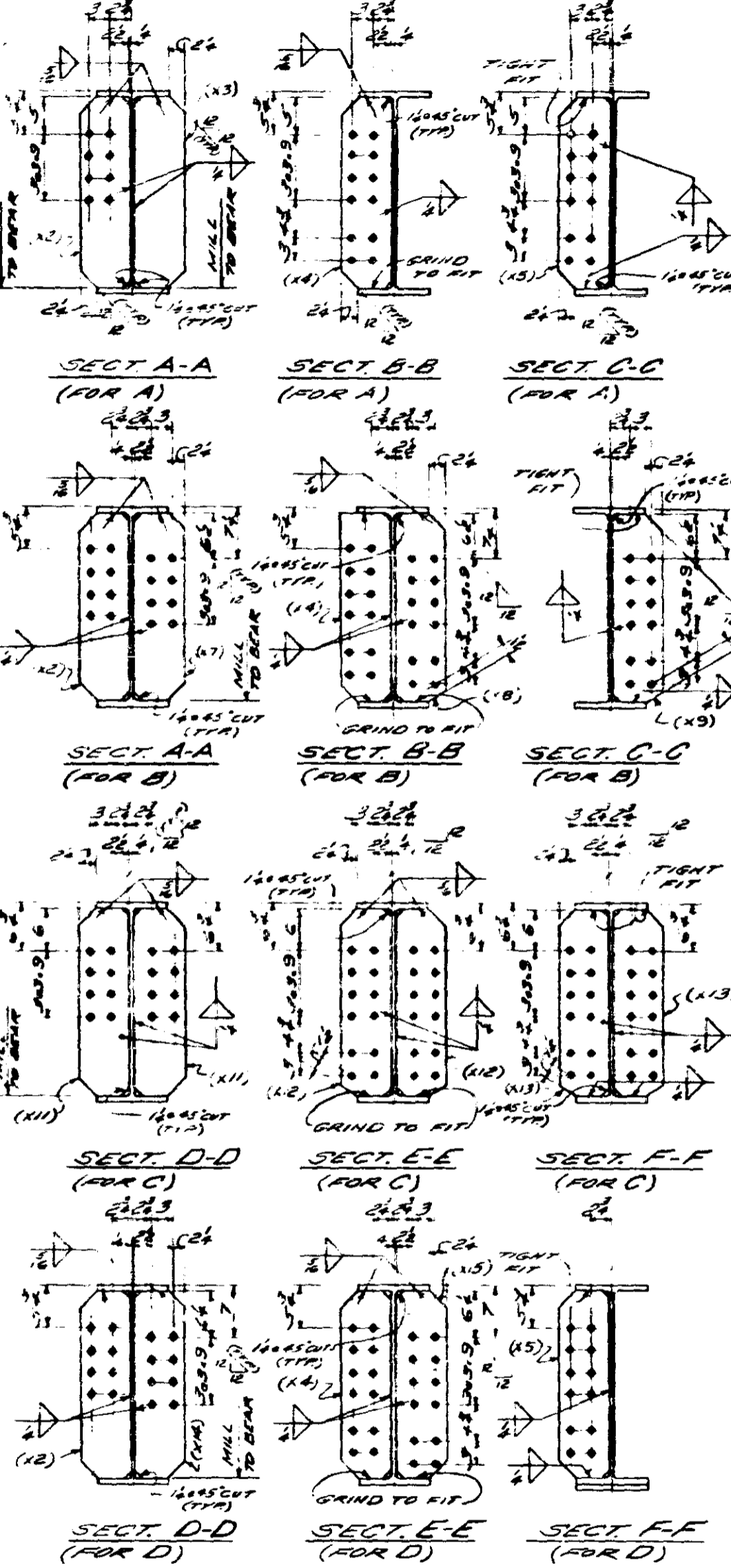
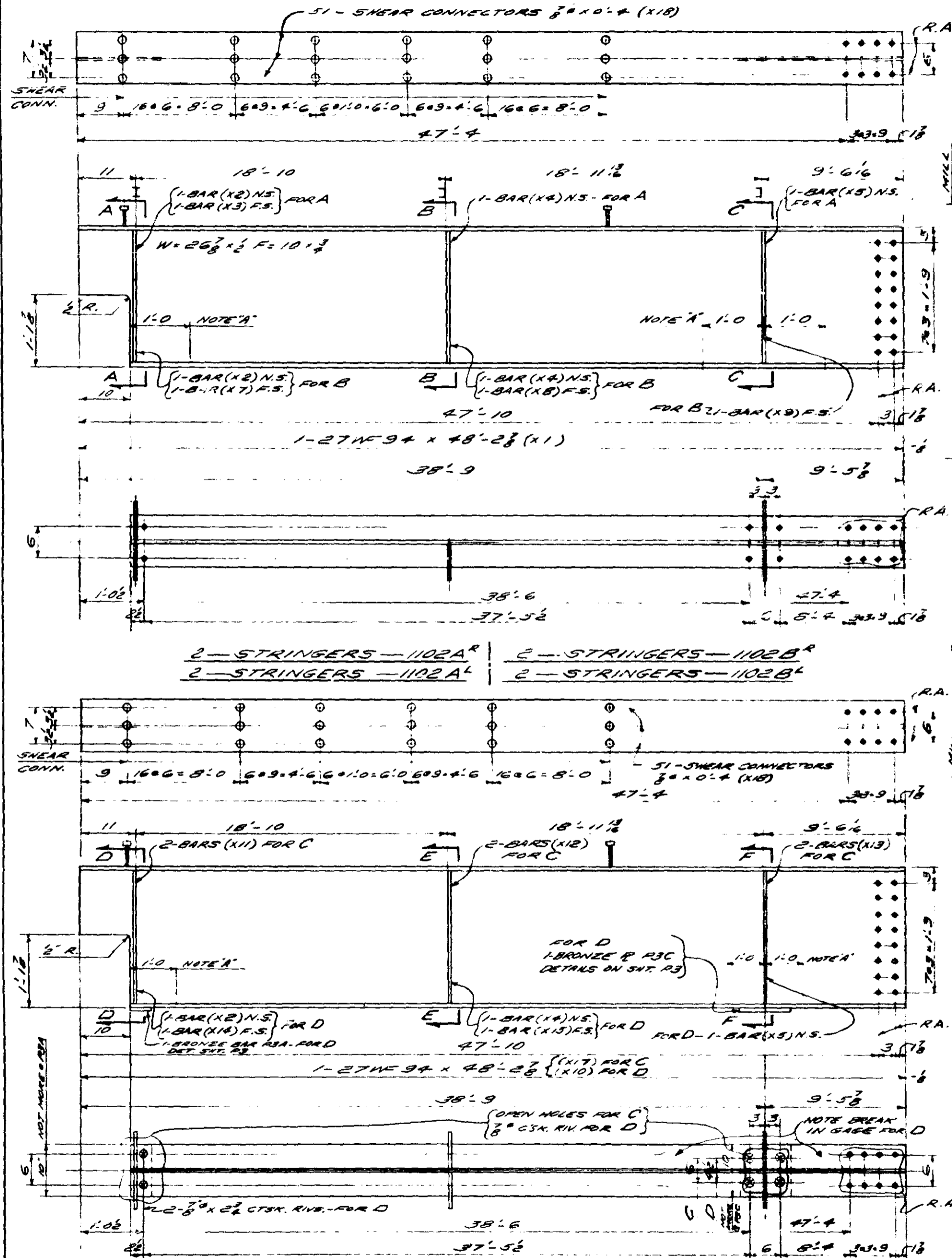
ALLIED STRUCTURAL STEEL COMPANIES
 CLINTON BRIDGE CORP. • GAGE STRUCTURAL STEEL CORP. • MIDLAND STRUCTURAL STEEL CORP.
 ENGINEERS - FABRICATORS - ERECTORS OF BUILDINGS AND BRIDGES
 20 NORTH WACKER DRIVE CHICAGO 6, ILLINOIS

MINN. PROJ. NO. I-IG35W-3 (58) 112
 STATE PROJ. NO. 2783-9340B (TH35W-394)

DETAILS OF BOTTOM CHORD LATERAL DIAGONAL (L20) (L21)
 STRUCTURE BRIDGE NO. 9340
 LOCATION MINNEAPOLIS MINNESOTA
 OWNER MINNESOTA STATE HWY. DEPT.
 CUSTOMER MINNESOTA STATE HWY. DEPT.

HAMMOND FAB DIVISION 11
 DRAWN BY L.O. DATE 11/6/60 CHECKED BY DATE
 REVISIONS

CONTRACT 3142 FABCO 264 SHEET 1101



LINE	SHIP NO.	NO.	SHAPE	LENGTH	PC	REMARKS	ITEM NO.	TOTAL WEIGHT
1								
2								
3								
4								
5								
6								
7								
8								
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11								
12								
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14								
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16								
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NOTES:
FOR MAIL S.L.C. SEE BILL OF MAT'L.
FOR GEN. NOTES SEE SHT. 54.1.

ALLIED STRUCTURAL STEEL COMPANY
1425 15TH STREET, HAMMOND, INDIANA 46320

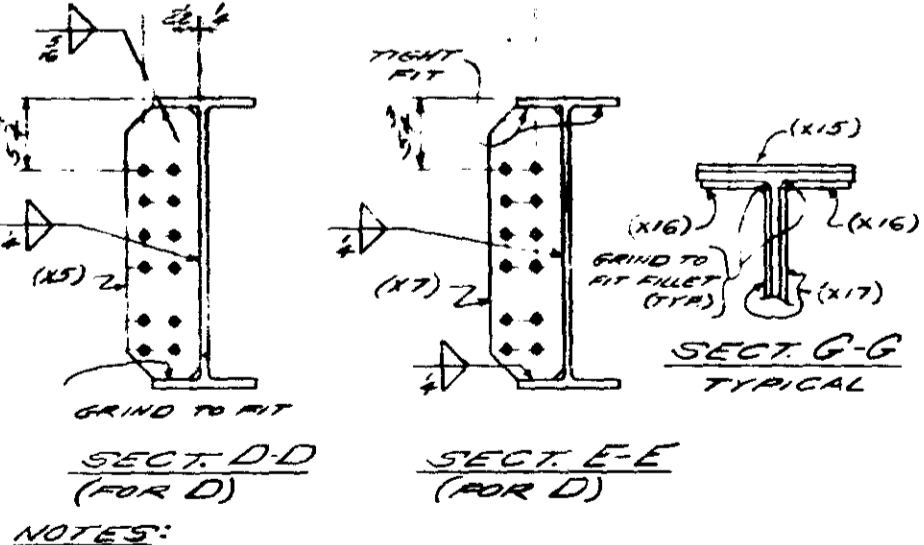
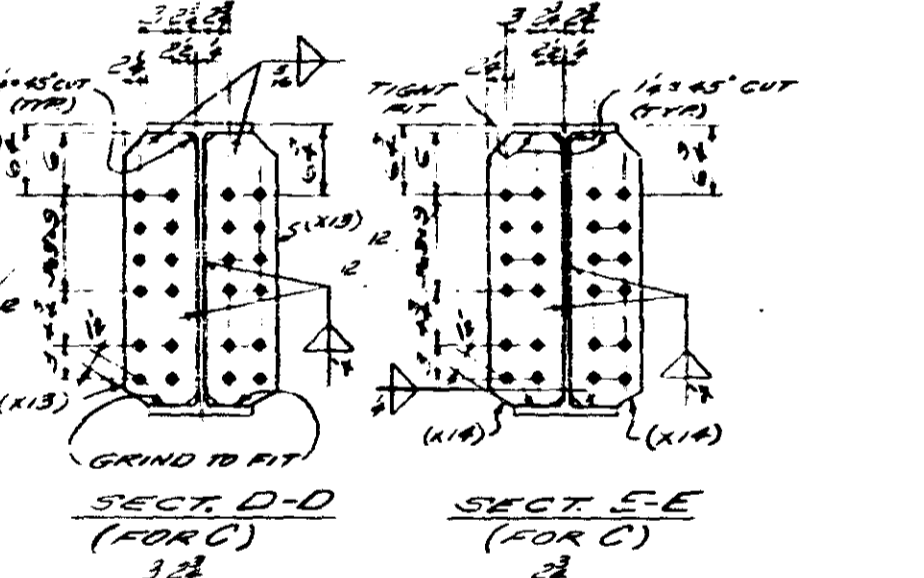
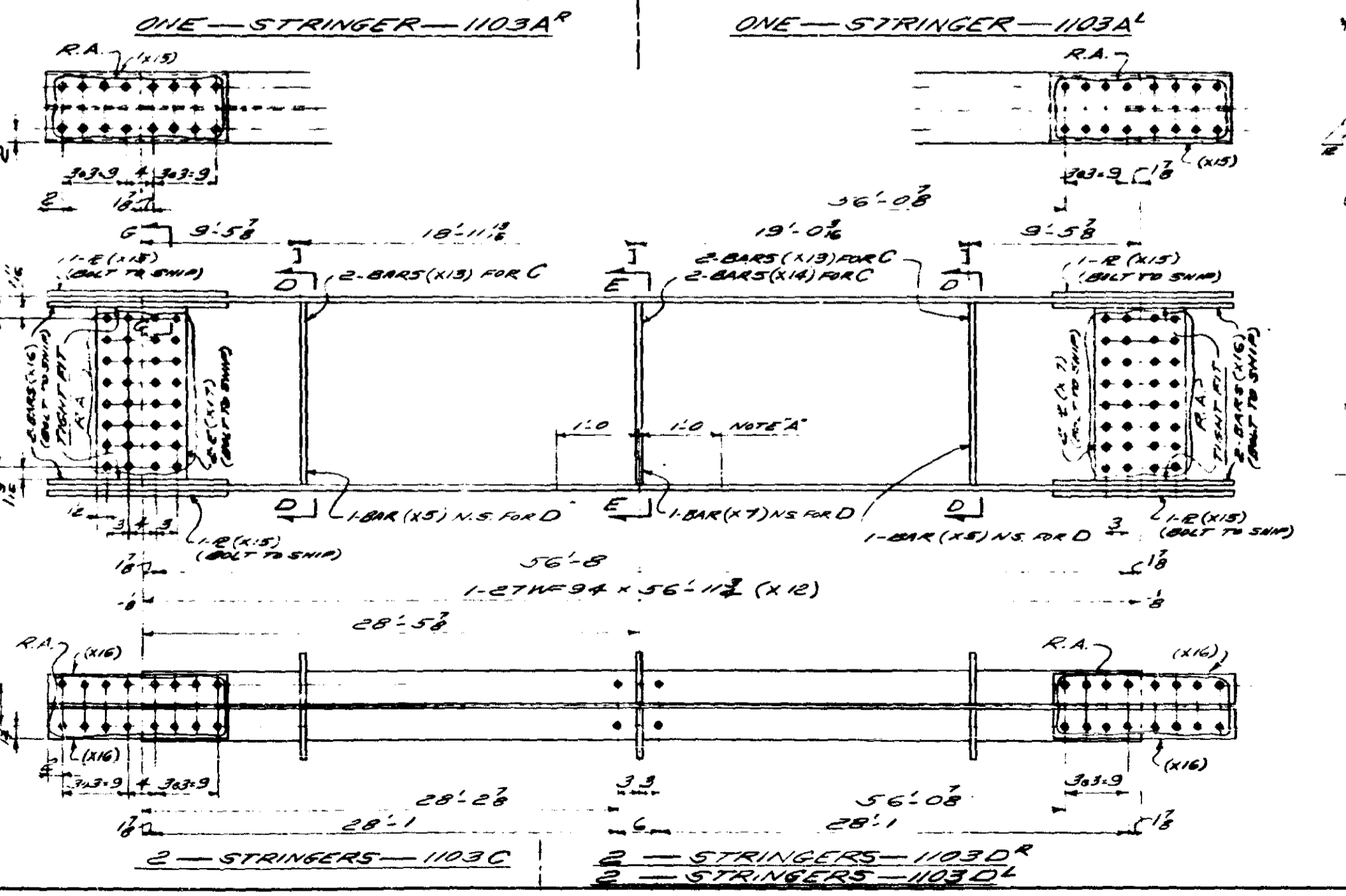
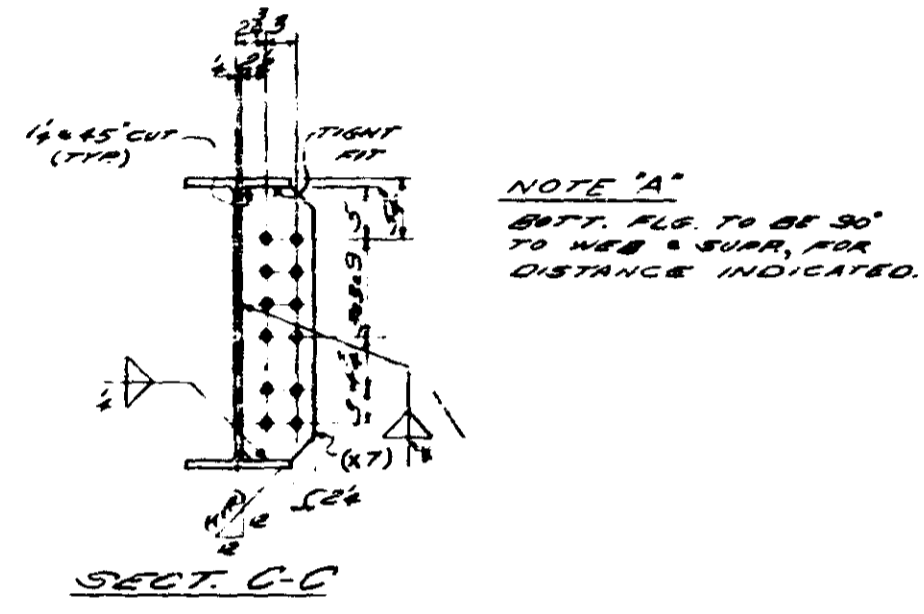
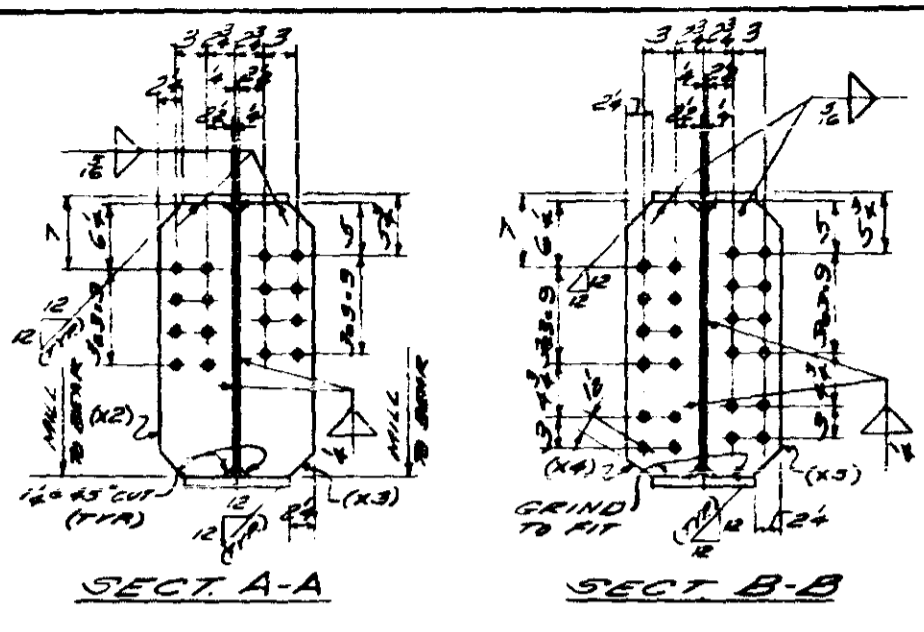
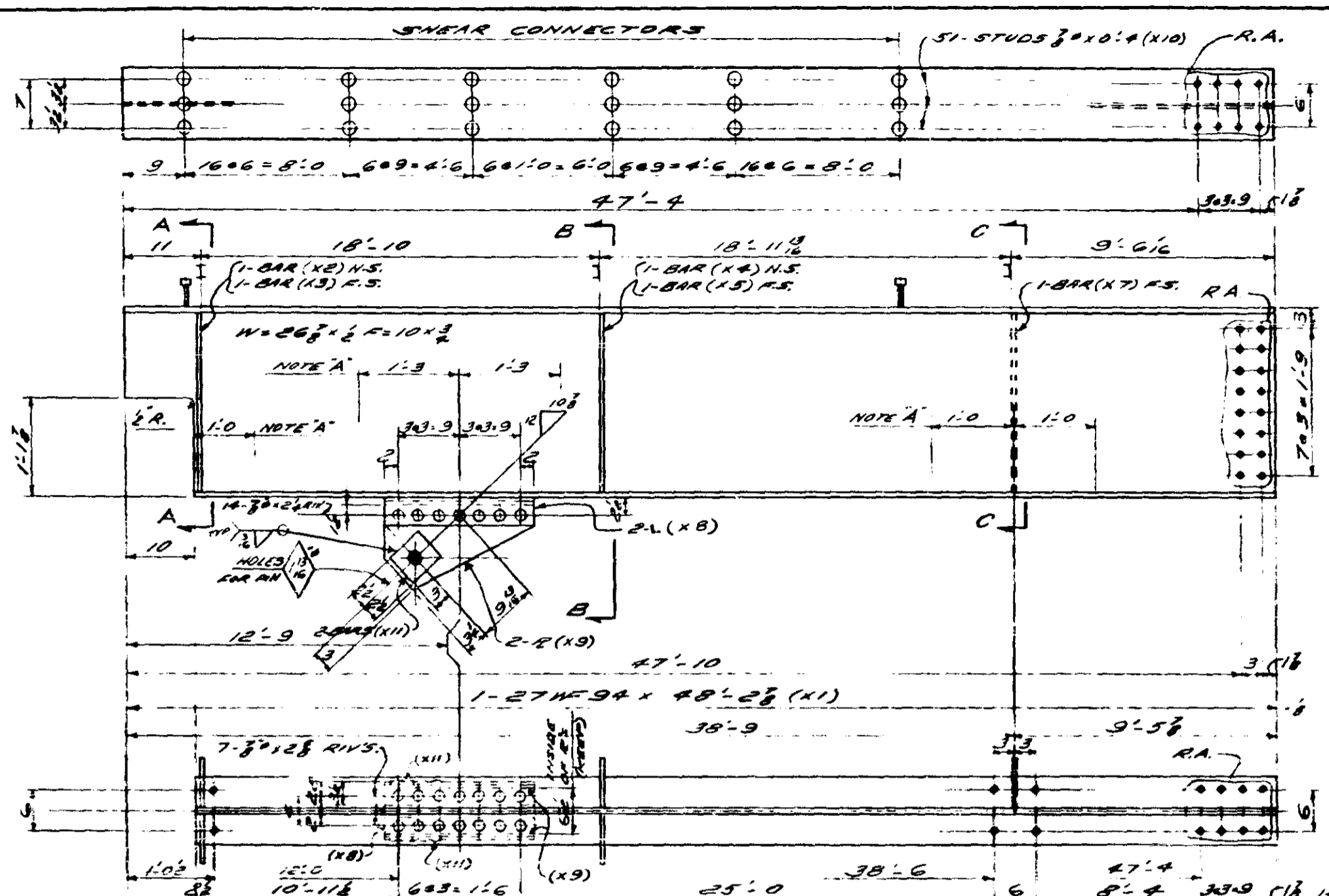
DIVISION #11
DETAILS OF STRINGERS - RA U20 TO U21
STRUCTURE BRIDGE NO. 9340
LOCATION MINNEAPOLIS, MINNESOTA
OWNER MINNESOTA STATE HWY. DEPT.
CUSTOMER MINNESOTA STATE HWY. DEPT.

MINN. PROJ. NO. 2-1635N-3 (58) 112
STATE PROJ. NO. 2783-2408 (7435N-354)

OPEN HOLES 1/2" NUTS 3/4" PAINT SHEET GULL
DRAWN BY XL DATE 1/16/66 CHECKED BY K.L.K. DATE 2/7/66

REVISIONS

CONTRACT 3142 FABCOD 274 SHEET 1102



NOTES:

F & L DET. 50: SEE BILL OF MAT'L.

FOR GEN. NOTES SEE SHEET 1103-1.

MINN. PROJ. NO. 1-1635W-3 (58) 112

STATE PROJ. NO. 2723-9360 B (TH35W394)

OPEN HOLES 1/2" U.M. RIVETS 3/8" x 3" PAINT SHEET 1103-1

DRAWN BY: RL DATE: 11/19/66 CHECKED BY: K.L.K. DATE: 2/7/66

REVISIONS: 1. 5/20/67 2. 7/7/67

LINE	SHIP NO.	NO. REQ.	SHAPE	LENGTH	PC. WK.	REMARKS	ITEM NO.	TOTAL WEIGHT	NET WT.
1									
2									
3	MINN. PROJ. NO. 1-1635W-3 (58) 112		STRINGER			(55' x 48")			
4	STATE PROJ. NO. 2723-9360 B (TH35W394)		STRINGER			(45' x 48")			
5		2	27W94	48'-2 1/2"	X1		3904 59	9067	3306
6		2	BAR 7 1/2	2'-1 1/2"	X2	M.I.E.	3007	50	
7		2	BAR 7 1/2	2'-1 1/2"	X3	M.I.E.	3007	50	
8		2	BAR 7 1/2	2'-1 1/2"	X4		3006	38	
9		2	BAR 7 1/2	2'-1 1/2"	X5		3006	38	
10									
11		2	BAR 7 1/2	2'-1 1/2"	X7		3006	38	
12		2	L 4 x 3 1/2	1'-10"	X8		3006	47	
13		2	L 3 1/2 x 3	1'-10"	X9		3006	124	
14		4	BARS 5 1/2	0'-5 1/2"	X11		3007 59	10	3006
15		306	306			10 TYPE 53P	MINN. 59	257	
16		56	RIVS. 3/8"						NL
17									
18		2	3/8" WLD.	3'-6"					NL
19		2	3/8" WLD.	13'-6"					
20		2	3/8" WLD.	2'-4"					
21									
22									
23									
24									
25									
26									
27		2	STRINGERS			(28' x 33")			
28		2	STRINGERS			(28' x 33")			
29		2	STRINGERS			(28' x 33")			
30		6	27W94	36'-11 1/2"	X12		3904 59	32126	3306
31		8	BAR 7 1/2	2'-1 1/2"	X13	FOR C	3006	51	
32		4	BAR 7 1/2	2'-1 1/2"	X14	FOR C	3006	75	
33		8	BARS		X5	FOR D	3006	151	
34		4	BARS		X7	FOR D	3006	75	
35		24	2" x 10"	2'-2"	X15	U.M.	3011	774	
36		48	2" x 10"	2'-2"	X16	U.M.	3011	895	
37		24	2" x 10"	2'-2"	X17	U.M.	3011 59	676	3306
38									
39		10	5 B.						NL
40									
41		2	3/8" WLD.	2'-4"		FOR C			112
42		2	3/8" WLD.	24'-0"		FOR C			
43		4	3/8" WLD.	1'-2"		FOR D			
44		4	3/8" WLD.	12'-0"		FOR D			
45									
46									
47									
48									
49									
50									
51									
52									
53									
54									
55									
56									
57									
58									
59		E/D ITEM	59			4466B			
60									
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ALLIED STRUCTURAL STEEL COMPANY

1000 W. WASHINGTON ST. MINNEAPOLIS, MINN. 55401

DIVISION #11

DETAILS OF STRINGERS - R.R. 480 TO 481

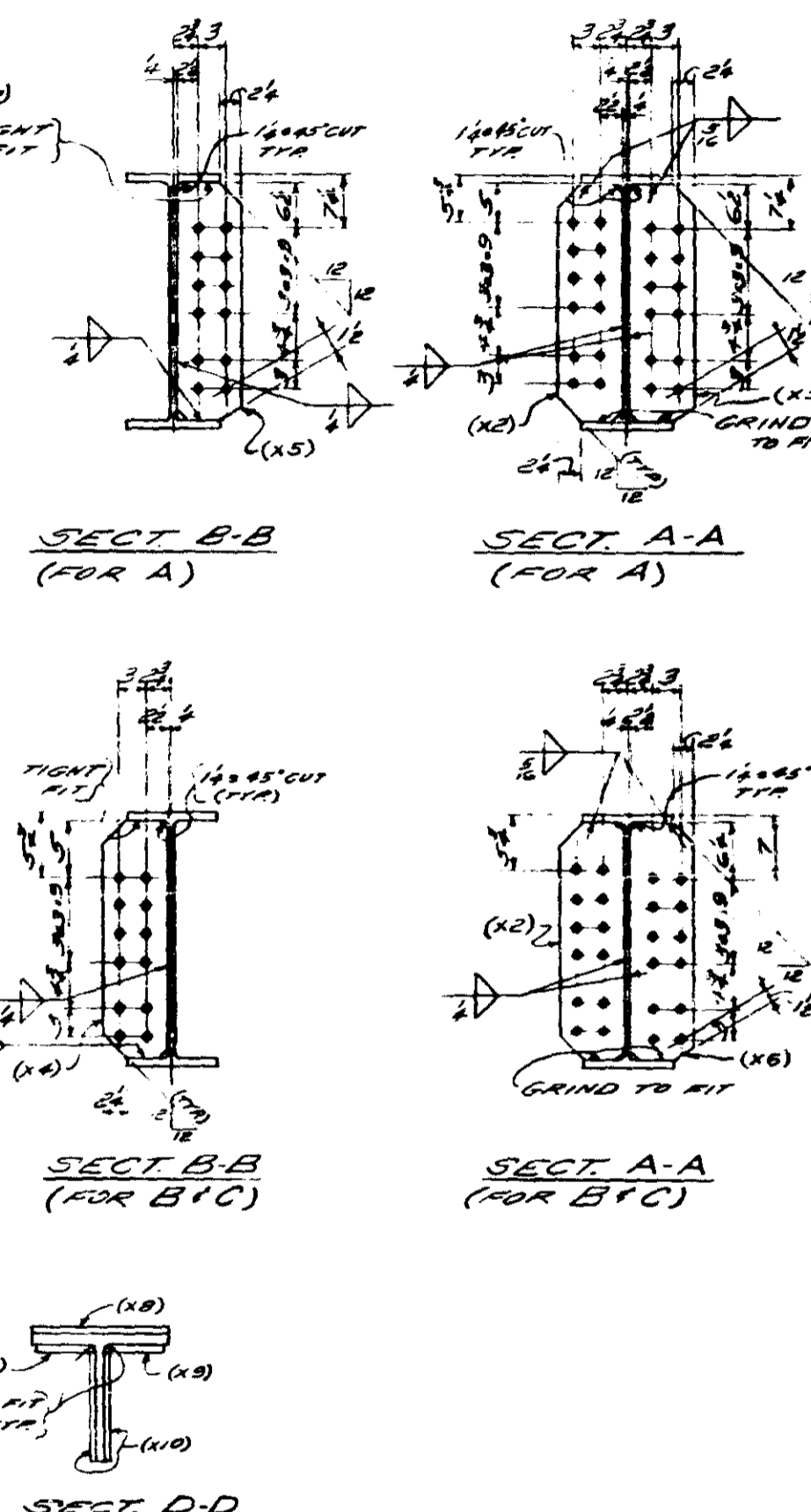
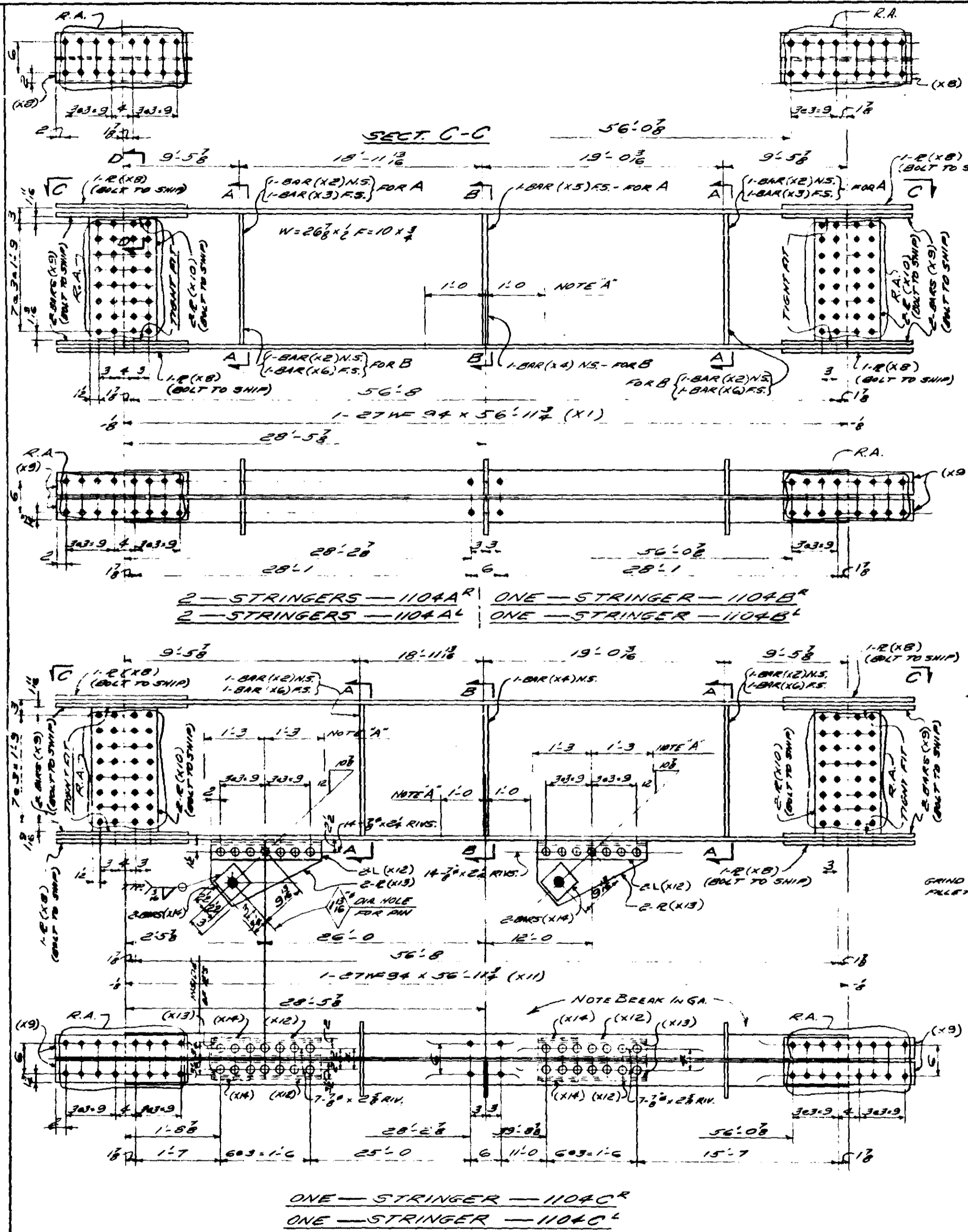
BRIDGE NO. 5340

LOCATION: MINNEAPOLIS, MINNESOTA

OWNER: MINNESOTA STATE HWY. DEPT.

CUSTOMER: MINNESOTA STATE HWY. DEPT.

CONTRACT 3142 FABCOD 274 SHEET 1103



NOTES:
 F. 1/4" DIA. SPEC. BILL OF MAT'L.
 FOR GEN. NOTES SEE SHT. GN-1.

NOTE "A"
 BOTT. FLG. TO BE 30° TO WEB
 & SHIP, FOR DISTANCE INDICATED.

ITEM NO.	QTY	SHAPE	LENGTH	REMARKS	ITEM NO.	TOTAL WEIGHT
1						
2						
3	2	STRINGERS	(28'-5 3/8) 2			
4	2	STRINGERS	(28'-5 3/8) 2			
5	1	STRINGER	(28'-5 3/8) 1			
6	1	STRINGER	(28'-5 3/8) 1			
7	6	27# 94	56' 11 1/2 X1		59	3236.5006
8	12	BAR 7 1/2	2 1/2 X2			226
9	8	BAR 7 1/2	2 1/2 X3	FOR A		151
10	2	BAR 7 1/2	2 1/2 X4	FOR B		38
11	2	BAR 7 1/2	2 1/2 X5	FOR A		75
12	2	BAR 7 1/2	2 1/2 X6	FOR B		75
13						
14	24	E 10 1/2	2 2 X8	U.M.	59	774
15	18	BAR 7 1/2	2 2 X9	U.M.	59	275
16	24	E 13 1/2	2 2 X10	U.M.	59	170.5006
17						
18						
19						
20	6	1/2" WLD.	2 2			116
21	6	1/2" WLD.	19 6			116
22						
23						
24						
25						
26						
27						
28						
29						
30	1	STRINGER	(28'-5 3/8) 1			
31	1	STRINGER	(28'-5 3/8) 1			
32	2	27# 94	56' 11 1/2 X1		59	1672.5006
33	4	BAR	X2			75
34	4	BAR	X6			75
35	2	BAR	X4			38
36						
37	0	E	X8	U.M.	59	658
38	16	BAR	X9	U.M.	59	278
39	8	E	X10	U.M.	59	223
40	8	E 13 1/2	1 10 X12			233
41	8	E 13 1/2	1 10 X13			238
42	8	BAR 5 1/2	0 5 1/2 X11		59	22.5006
43	12	RIV. 5/8"				112
44	10	S.O.				112
45						
46						
47	2	1/2" WLD.	7 4			116
48	2	1/2" WLD.	19 6			116
49	2	1/2" WLD.	2 4			116
50						
51						
52						
53						
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ALLIED STRUCTURAL STEEL COMPANY
 1400 SOUTH STREET, HAMBURG, ILLINOIS 62041

DETAILS OF **STRINGERS - RR 022**

STRUCTURE **BRIDGE NO. 9340**

LOCATION **MINNEAPOLIS, MINNESOTA**

OWNER **MINNESOTA STATE HWY. DEPT.**

CUSTOMER **MINNESOTA STATE HWY. DEPT.**

MINN. PROJ. NO. F.1635W.3(58) 1/2 DIVISION #11
 STATE PROJ. NO. 2783-3340B (FWSW-394) HAMMOND FAB.

OPEN HOLES 1/2" U.M. RIVETS 5/8" PAINT SHEET GN-1

DRAWN BY **RL** DATE **1/1/66** CHECKED BY **K.L.K.** DATE **2/7/66**

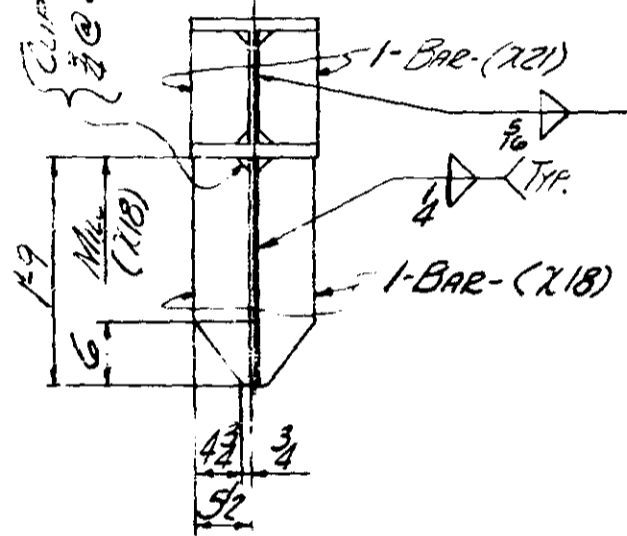
REVISIONS: A 2/20/66 STV:5 2-17-67 B 2/21/66 STV:5 2-21-67

CONTRACT **3142** FABCOD **274** SHEET **1104**

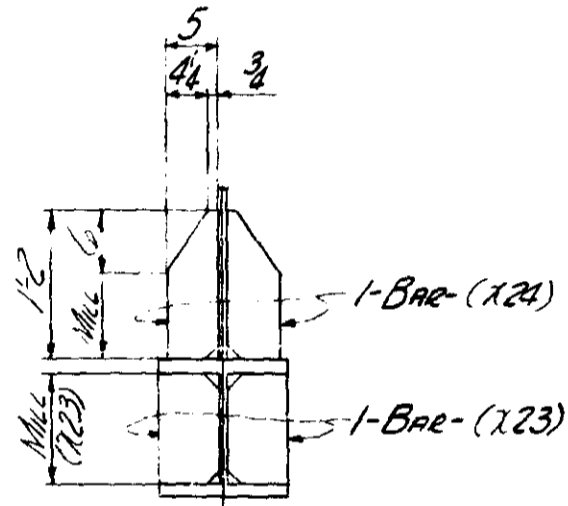
Fit Bars After Web Members Have Been Welded
 1-Bar-(116)
 1-Bar-(117)
 1-Bar-(117)-SECT BB

SECT PP
 SECT PP (Opp. Hd.)

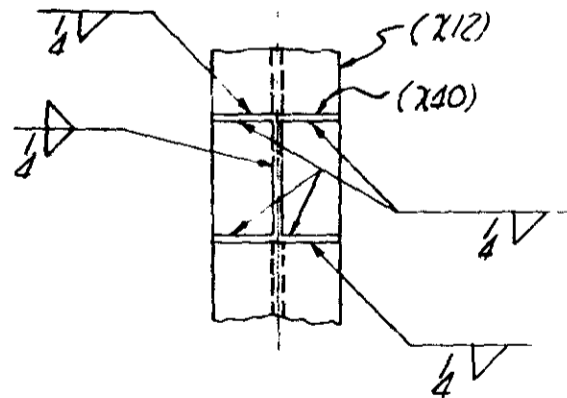
CLIP CORNERS
 2 @ 45° TYP



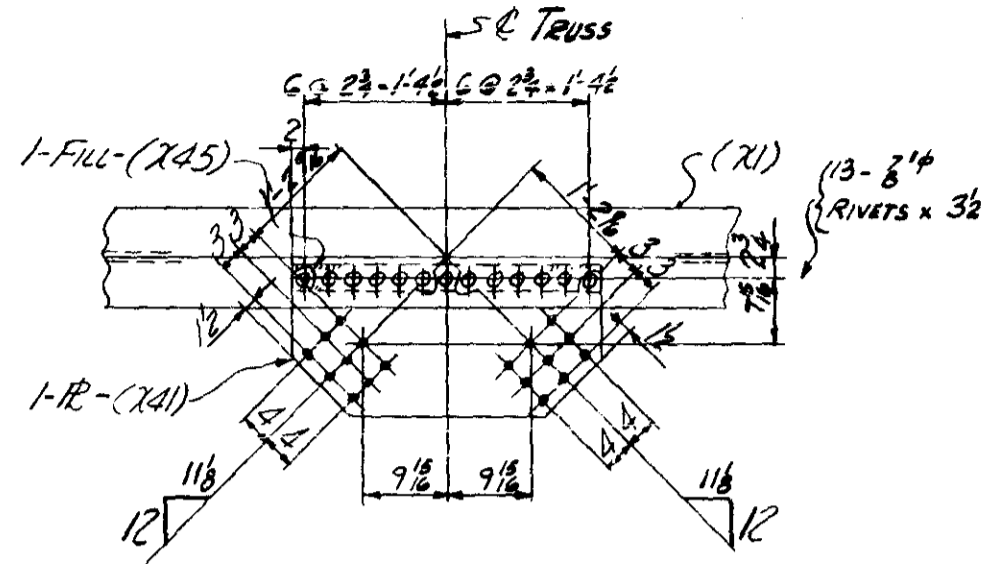
SECT 5-5



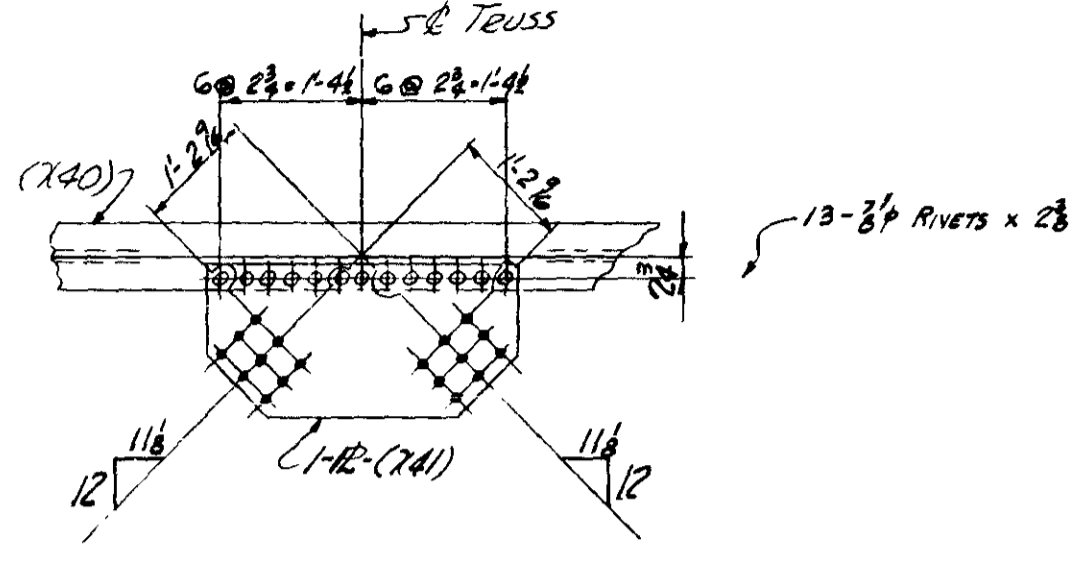
SECT AA-AA



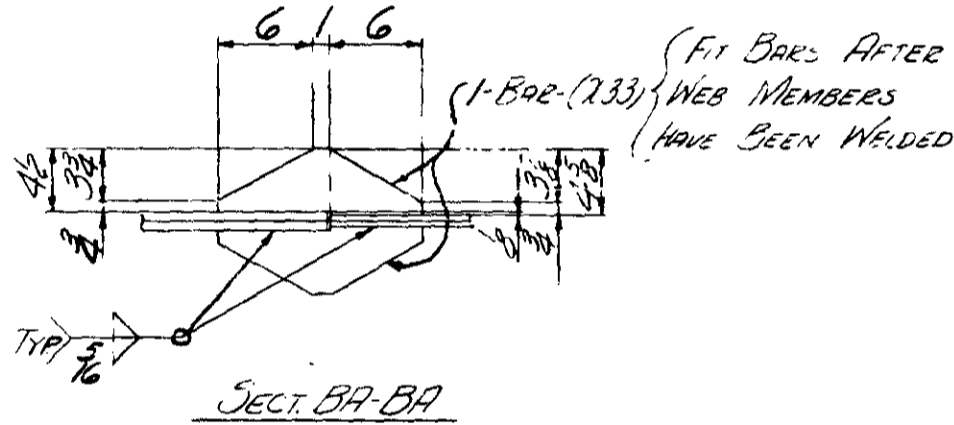
SECT YY



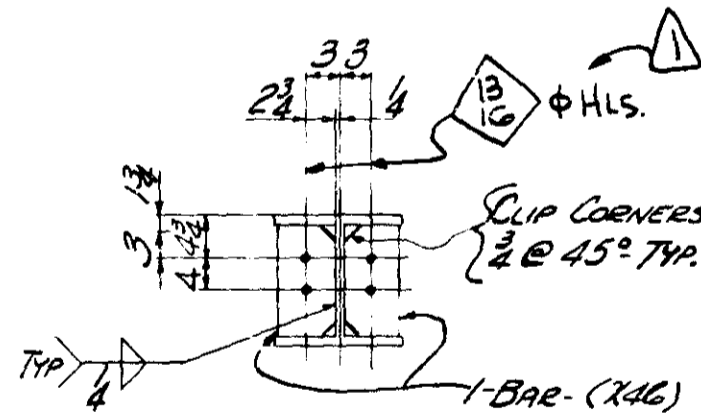
SECT V-V



SECT W-W



SECT BA-BA



SECT BC-BC

MINN PROJ NO 2-IG 35W-3(58)/12
 STATE PROJ NO 2183-9340B (1435W-394)

ALLIED STRUCTURAL STEEL COMPANY
 1415 14TH STREET WILMINGTON, INDIANA 46390

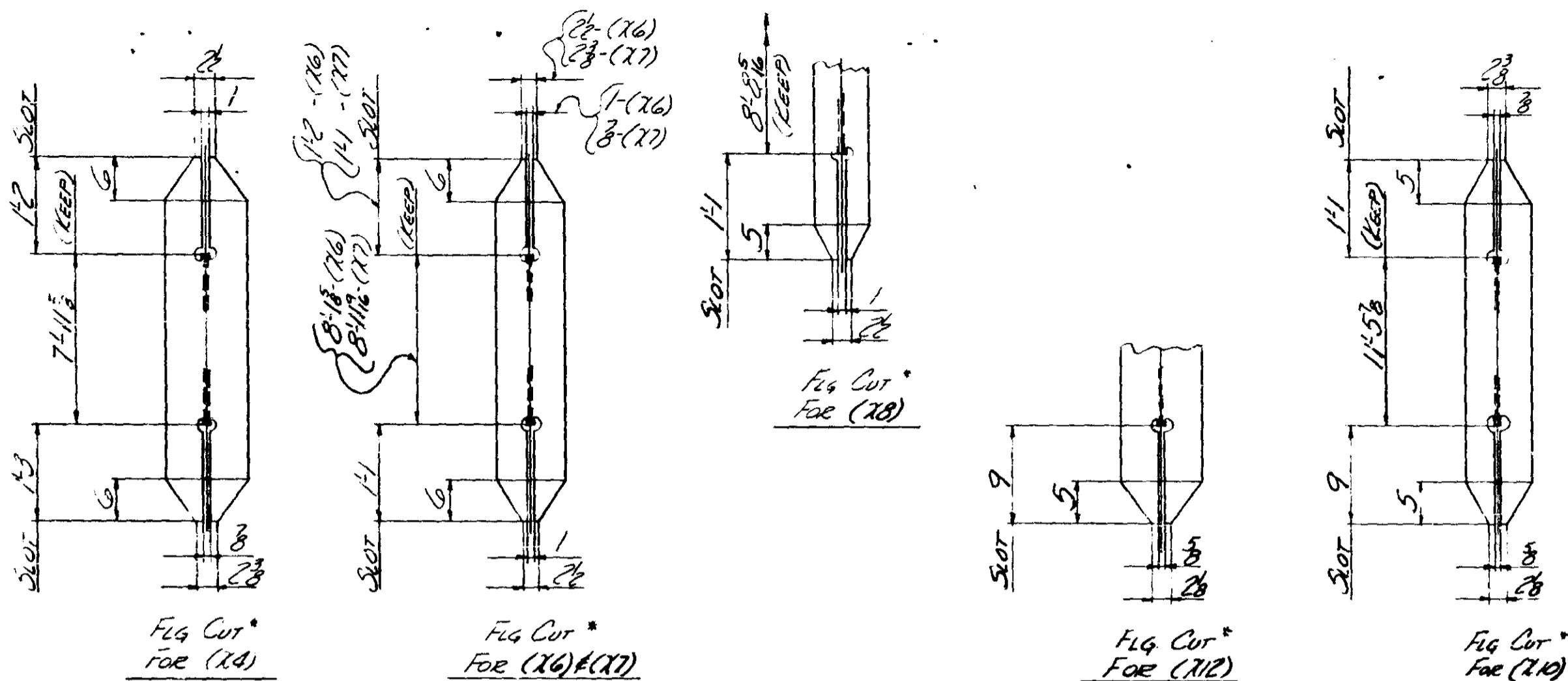
MINN PROJ 2-IG 35W-3(58)/12
 STATE PROJ 2183-9340B (35W-94)

DETAILS OF FLOOR TRUSS @ 121
 STRUCTURE BRIDGE No 9340
 LOCATION MINNEAPOLIS, MINN
 OWNER MINN. STATE HWY DEPT
 CUSTOMER MINN STATE HWY DEPT

DRAWN BY M.P. DATE 2-2-66 CHECKED BY H.M.H. DATE 2-15-66

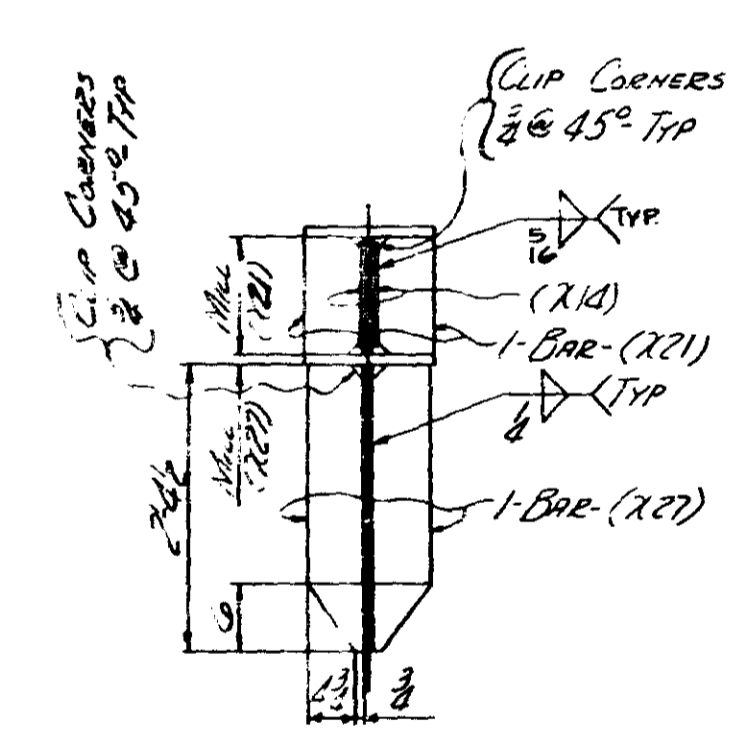
REVISIONS 6/18/66

CONTRACT 3142 FABCOD 244 SHEET 1105 BC

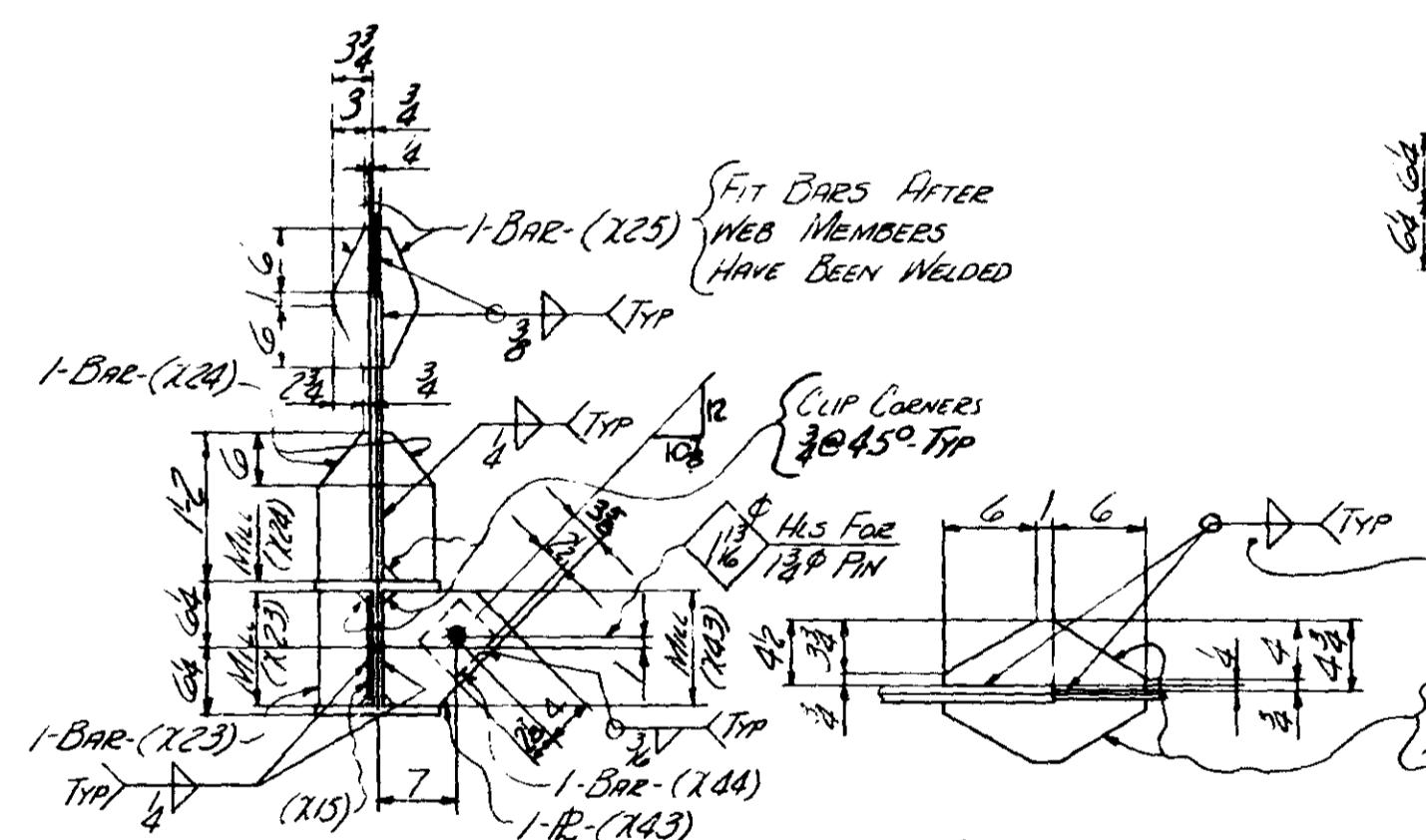


LINE	SHIP	NO	SHAPE	LENGTH	WT
12		1	1/4 WLD	7 2	NC
13		1	1/4 WLD	140	0
14		1	1/4 WLD	213	0
15		1	1/4 WLD	92	0
16		1	1/4 WLD	21	6
17		1	1/4 WLD	20	10
18		1	1/4 WLD	3	10

* SEE SHT XI & X2 FOR BEVEL CUTS FOR WELDING



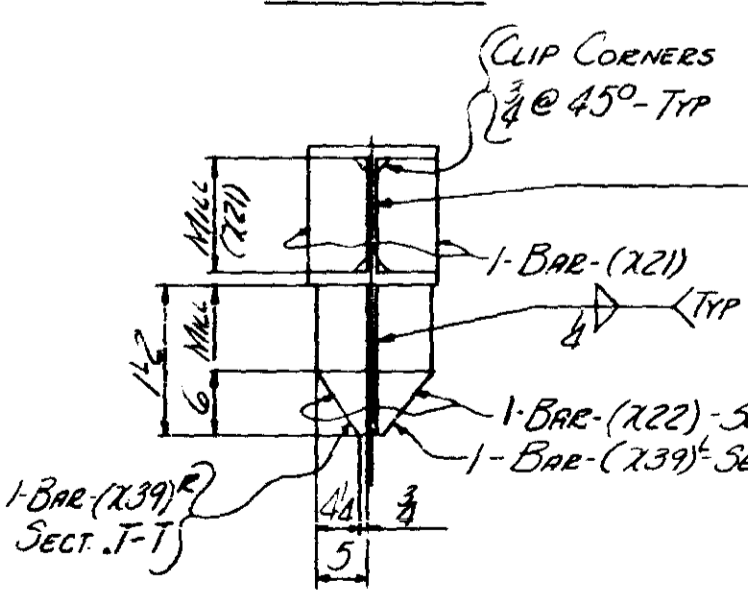
SECT G-G



SECT M-M

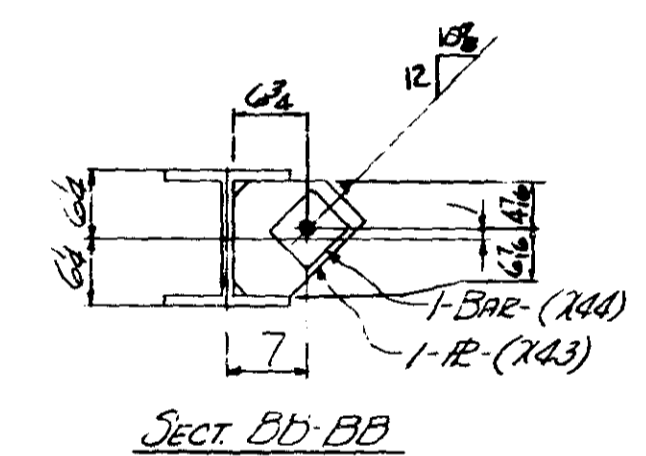
SECT H-H & SECT K-K (OPP. HD.)

SECT AB-AB

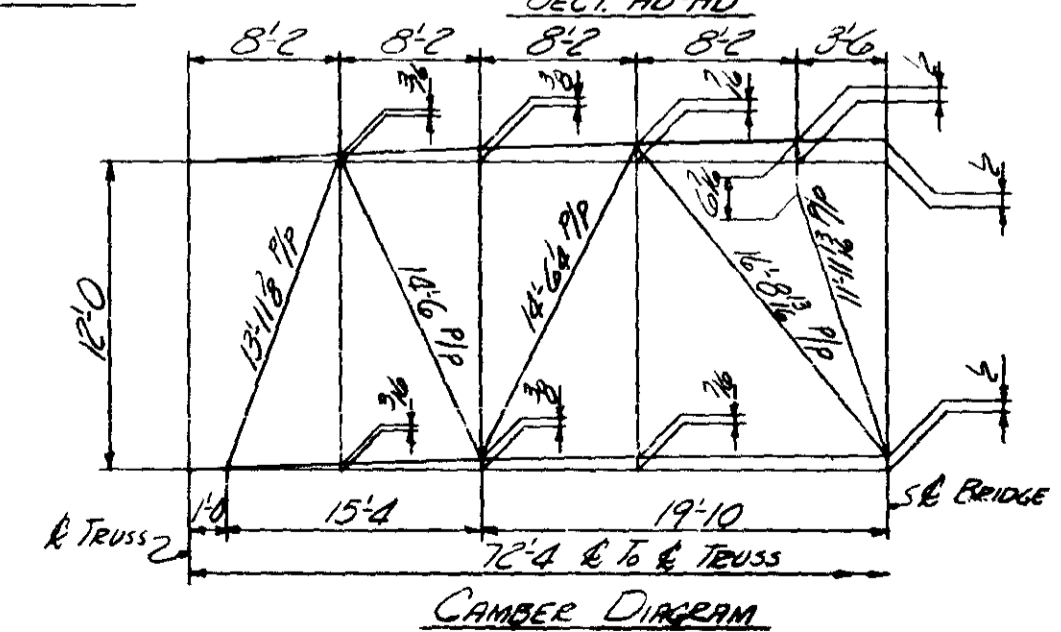


SECT N-N

SECT T-T



SECT DD-BB



CAMBER DIAGRAM

SHOP NOTE
 FOR GEN. NOTES SEE SHT GNI
 FOR MATL. SPECS SEE BILL OF MATL.
 FOR XRAY IDENTIFICATION NO. SEE SHT. W-1
 FOR INSPECTION OF WELDS SEE NOTE ON SHT GNI
 FOR WELD SEQUENCE AND WELDING OF TRUSS WEB MEMBERS SEE SHTS XI & X2

LINE	SHIP	NO	SHAPE	LENGTH	PC	REMARKS	ITEM NO.	TOTAL WEIGHT
1	NOVA	ONE	FLOOR TRUSS					
2		1	12W106	63.13	21	SEE SHT XI		
3		1	12W106	28.0		PAY WT.	59	2968 3306
4		2	12W65	17.18		FOR LINE 3	59	2379 3306
5		1	12W85	63.11	22	SEE SHT XI		
6		1	12W85	45.8		PAY WT.	59	3082 3306
7		2	12W65	11.72		FOR LINE 3	59	1511 3306
8		2	R 30x3	4.18	23		460	29 1924 3306
9		2	10W50	10.48	24		460	59 1911 3306
10		2	R 30x3	5.4	25		460	1 962 3306
11		2	10W50	10.48	26		460	1 1122 3306
12		2	10W50	11.12	27		460	1 1202 3306
13		2	8W35	9.72	28		460	1 684 3306
14		2	R 27x3	5.6	29		460	1 884 3306
15		2	8W35	13.33	30		460	1 953 3306
16		2	R 27x3	5.6	31		460	1 561 3306
17		2	8W35	10.48	32		460	1 728 3306
18		1	R 23x2	4.6	33		460	1 176 3306
19		4	R 9x2	5.4	34		460	1 215 3306
20		2	R 9x2	4.0	35		460	1 97 3306
21		4	BAR 3/8x3	1	36		460	1 23 3306
22		4	BAR 3/8x3	1	37		460	1 16 3306
23		4	BAR 3/8x3	1	38		460	1 58 3306
24		1	BAR 3/8x3	5.48	39		460	1 45 3306
25		4	BAR 3/8x3	1	40		460	1 136 3306
26		4	BAR 3/8x3	1	41		460	1 33 3306
27		4	BAR 3/8x3	1	42		460	1 25 3306
28		3	BAR 3/8x3	1	43		460	1 49 3306
29		4	BAR 3/8x3	1	44		460	1 16 3306
30		4	BAR 3/8x3	1	45		460	1 81 3306
31		4	BAR 3/8x3	1	46		460	1 26 3306
32		4	BAR 3/8x3	1	47		460	1 61 3306
33		4	BAR 3/8x3	1	48		460	1 103 3306
34		4	BAR 3/8x3	1	49		460	1 62 3306
35		4	BAR 3/8x3	1	50		460	1 47 3306
36		2	BAR 3/8x3	1	51		460	1 33 3306
37		1	BAR 3/8x3	5.2	52		460	1 176 3306
38		2	R 18x3	3.3	53		460	1 149 3306
39		4	BAR 3/8x3	1	54		460	1 38 3306
40		1	BAR 3/8x3	3.2	55		460	1 56 3306
41		4	BAR 3/8x3	0.53	56		460	1 10 3306
42		4	BAR 3/8x3	0.11	57		460	1 25 3306
43		1	BAR 3/8x3	3.2	58		460	1 39 3306
44		2	R 10x3	1.0	59	FIS	446	59 344 3306
45		2	R 10x3	1.0	60	FIS	446	59 276 3306
46		2	R 10x3	1.0	61	FIS	446	59 196 3306
47		2	R 10x3	1.0	62	FIS	446	59 94 3306
48		102	R 7/8x1/2					NC
49		60	SB					NC
50								
51								
52								
53								
54								
55								
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CLINTON FAB. CIV #11

OPEN HOLES 1/2" UN. RIVETS & BOLTS 3/8" PAINT YES, SEE SHT GNI

DRAWN BY: JH DATE 2.8.66 CHECKED BY: H.M.H DATE 2.10.66

REVISIONS: 1. 2. 3. 4.

CONTRACT 3142

FARCOD 244

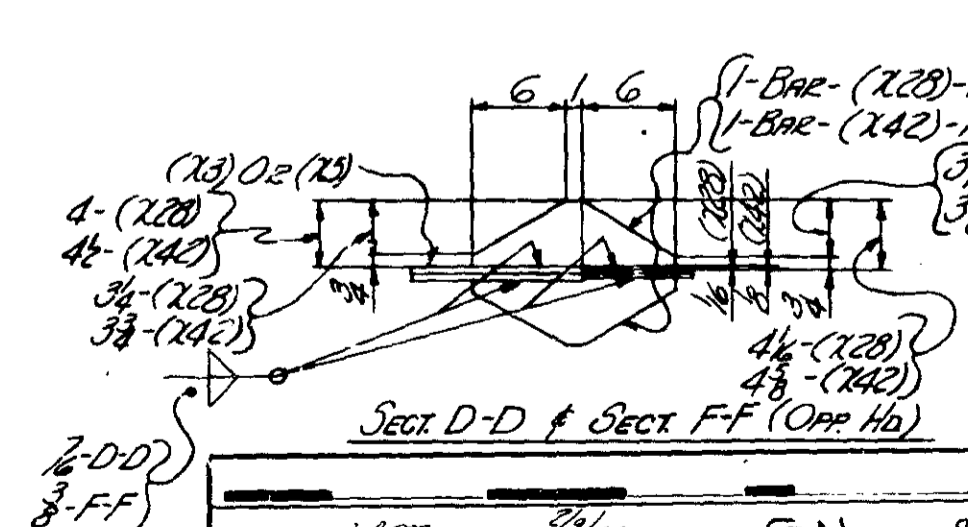
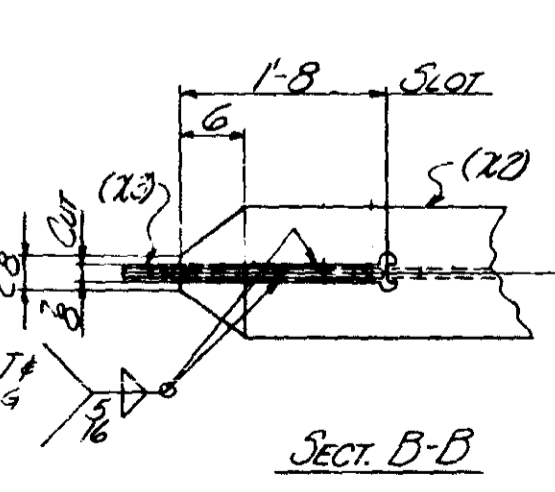
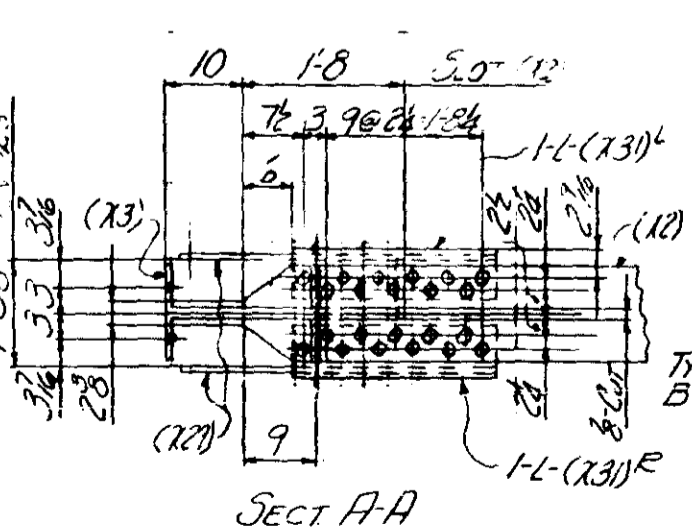
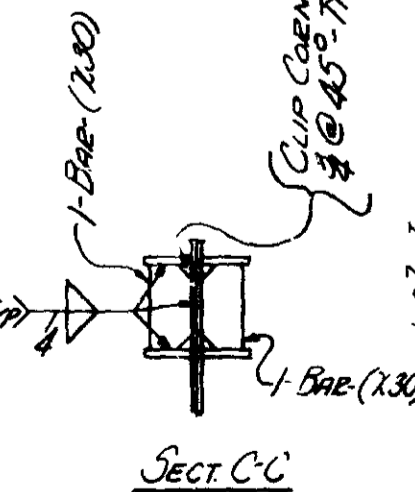
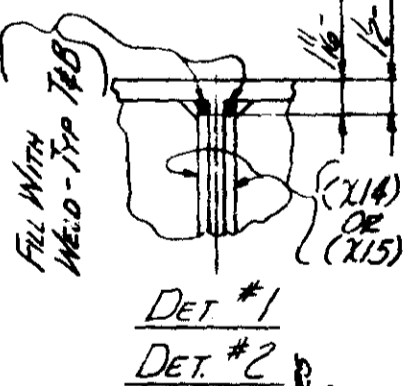
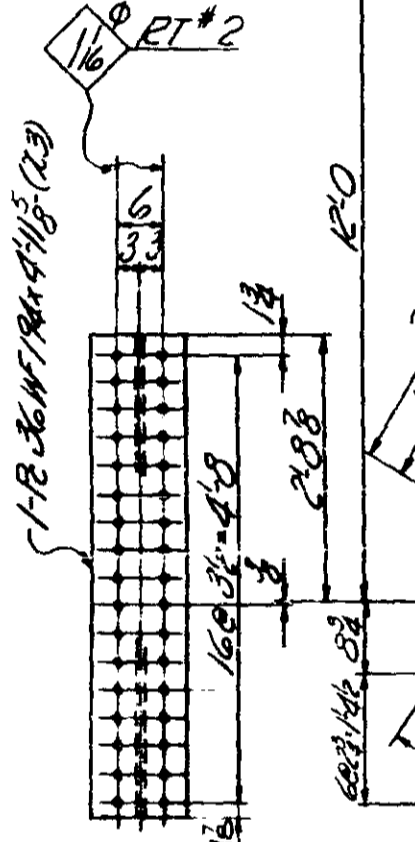
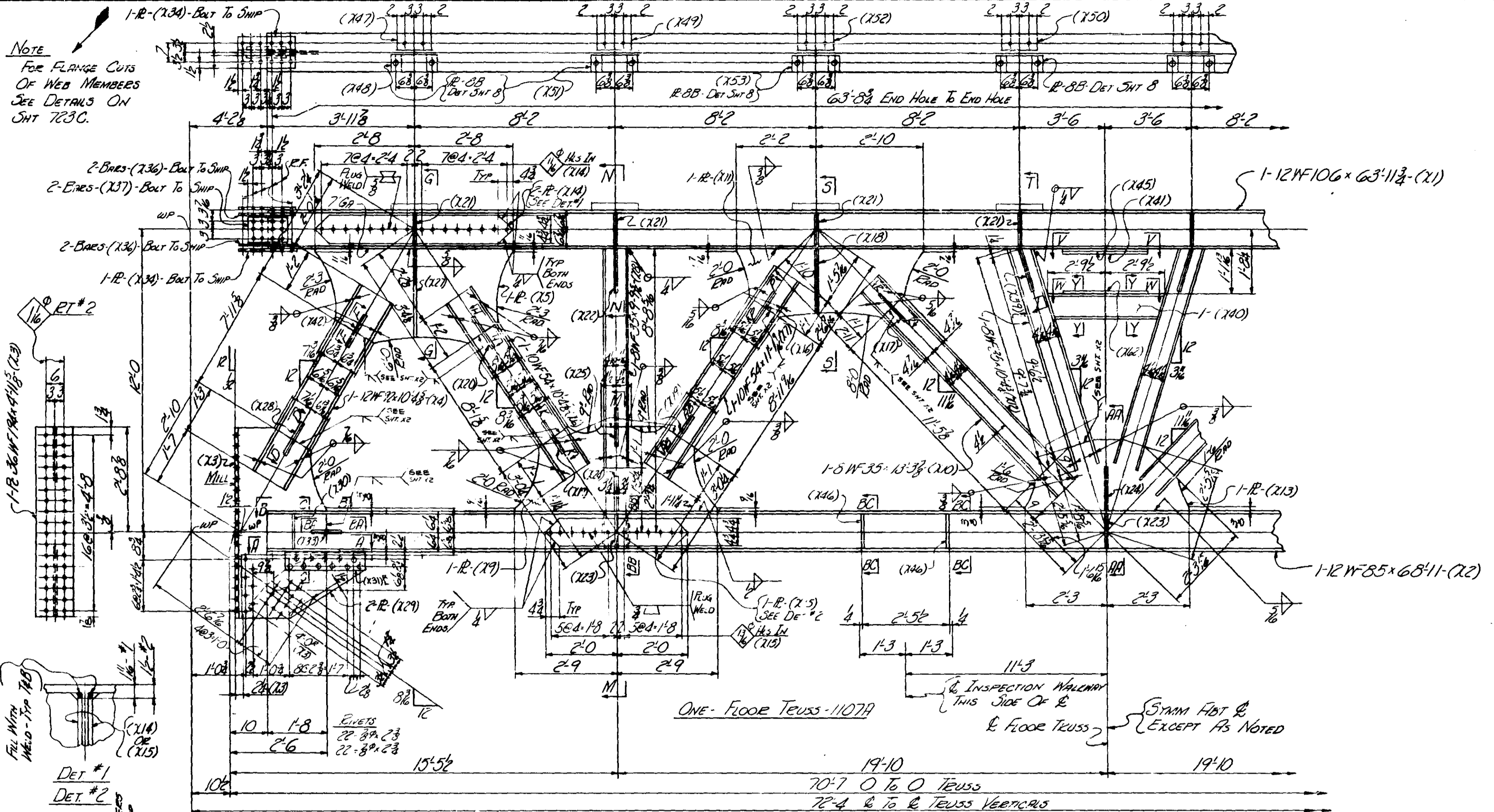
SHEET 1106 C

MINN. PROJ. No. I-1635W-3(58)112
 STATE PROJ. No. 2783-9340B (TH 35W-394)

ALLIED STRUCTURAL STEEL COMPANY
 FABRICATORS & ERECTORS
 1425 15TH STREET, MINNEAPOLIS, MINN.
 1924

DETAILS OF FLOOR TRUSS @ J22
 STRUCTURE BRIDGE No. 240
 LOCATION MINNEAPOLIS, MINN.
 OWNER MINN. STATE HWY DEPT
 CUSTOMER MINN. STATE HWY DEPT

NOTE
FOR FLANGE CUTS
OF WEB MEMBERS
SEE DETAILS ON
SHT 723C.



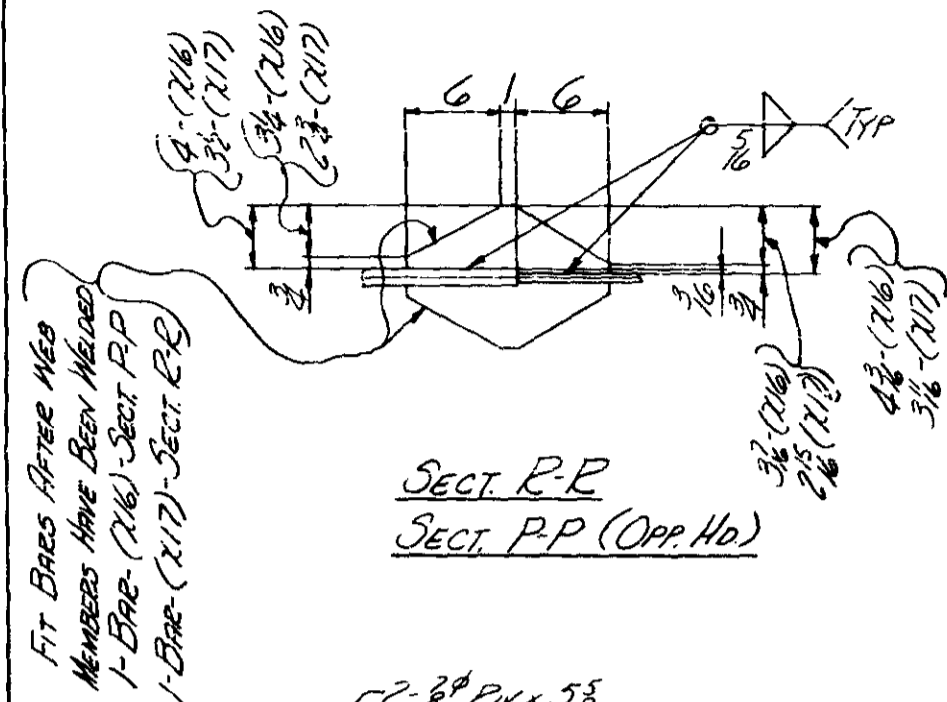
MINN PROJ. I-IG-35W-3 (58) 112
STATE PROJ. 2783-9340 B (35W-394)

ALLIED STRUCTURAL STEEL COMPANY
ENGINEERS
FABRICATORS
ERECTORS
1225 12TH STREET HARPOOD INDIANAPOLIS, INDIANA 46202

DETAILS OF FLOOR TRUSS @ U20
STRUCTURE BRIDGE No. 9340
LOCATION MINNEAPOLIS, MINN.
OWNER MINN. STATE HWY DEPT
CUSTOMER MINN. STATE HWY DEPT

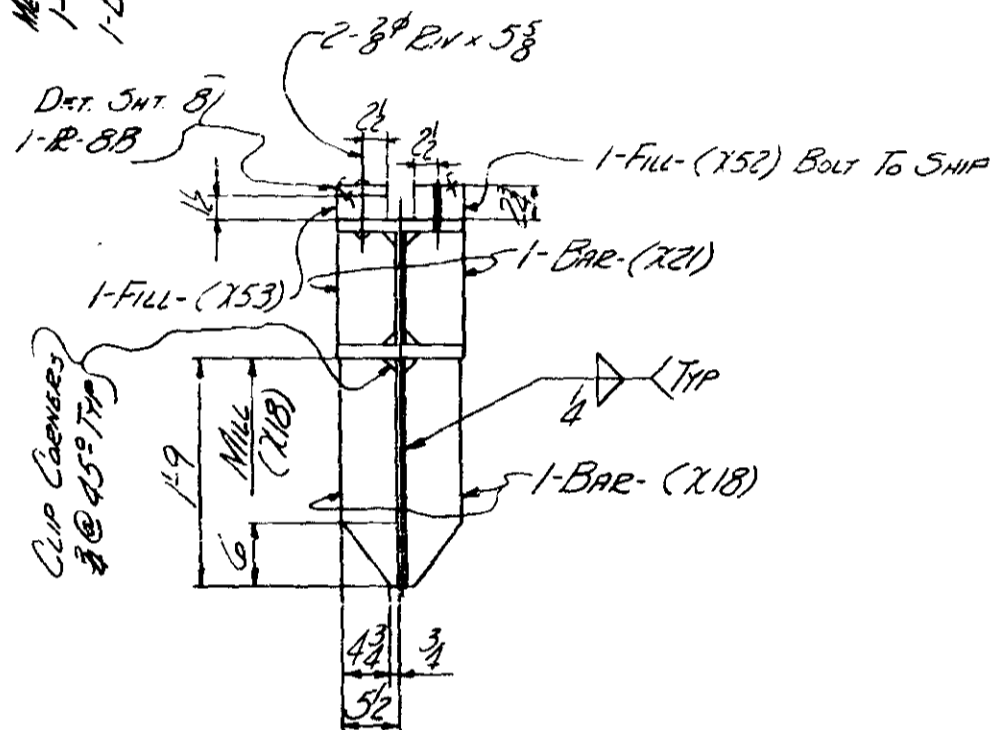
DRAWN BY: S.L.M.	DATE: 7/1/66	CHECKED BY: G.N.	DATE: 9-13-66
REVISIONS	△ R13-67	△	△
	△ REM	△	△

CONTRACT 3142 F&COD 244 SHEET 1107AC

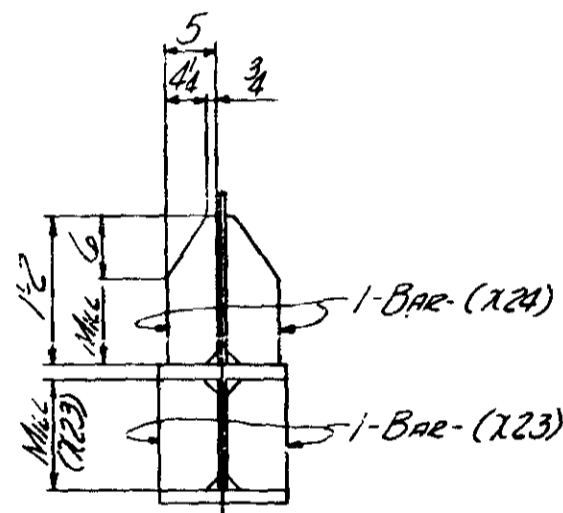


SECT. R-R
SECT. P-P (Opp. No.)

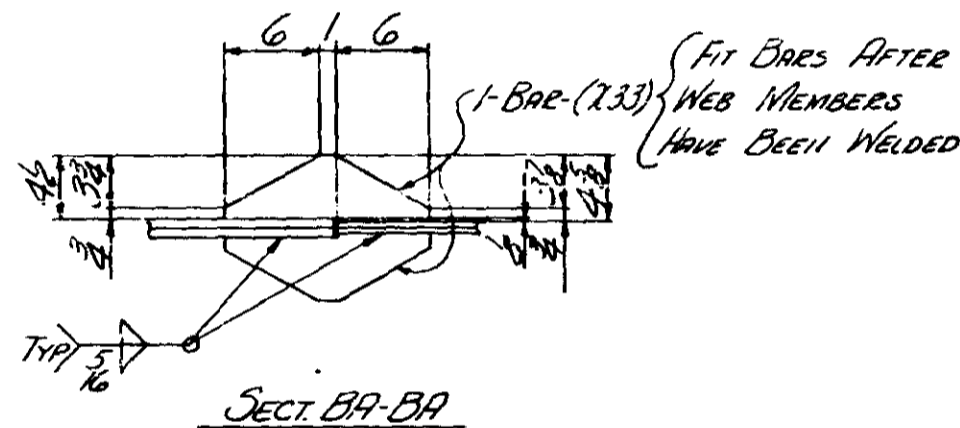
Fit Bars After Web Members Have Been Welded.
1-Bar-(X16)
1-Bar-(X17)
1-Bar-(X18)



SECT. S-S

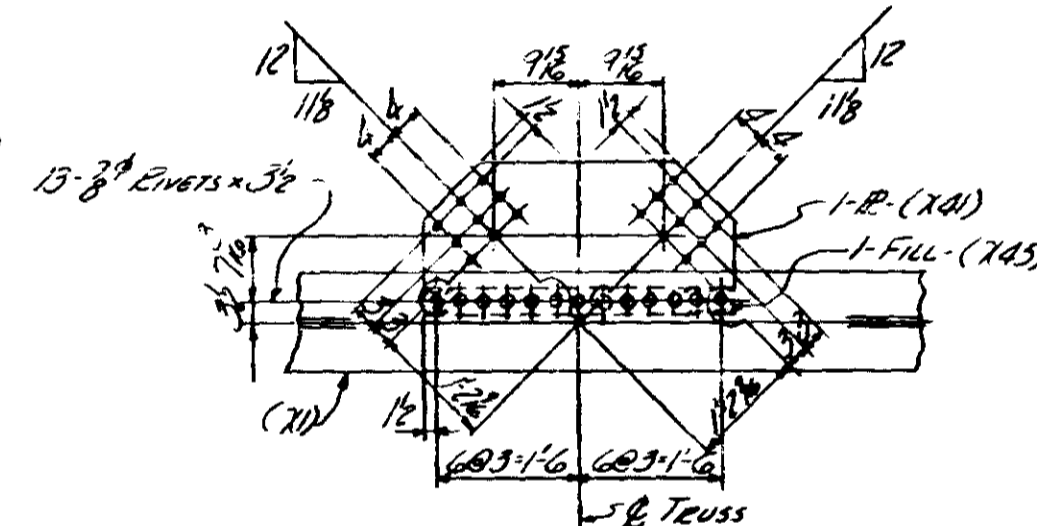


SECT. AA-AA

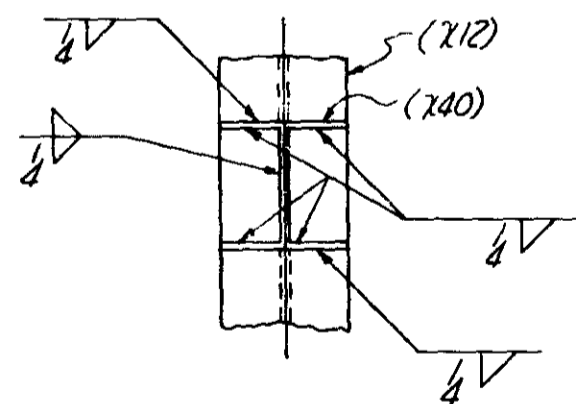


SECT. BA-BA

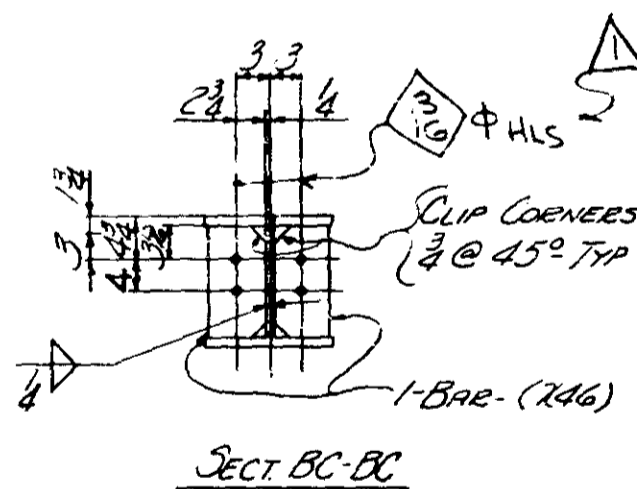
Fit Bars After Web Members Have Been Welded



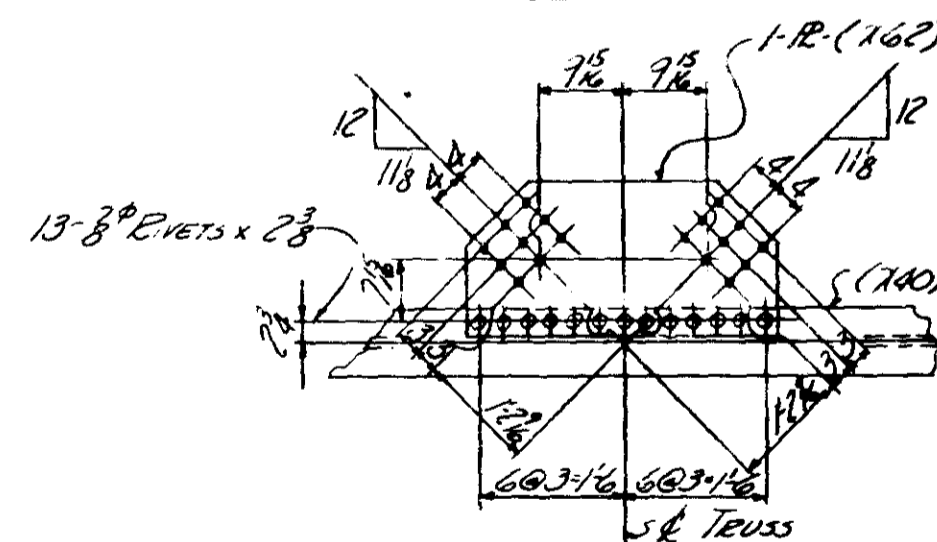
SECT. V-V



SECT. Y-Y



SECT. BC-BC



SECT. W-W

LINE NO.	SHAPE	LENGTH	REMARKS	ITEM NO.	BID ITEM	TOTAL WEIGHT	MIN. SPECS.
72							
73							
74							
75							
76							
77							
78	3/8	50					
79	1/2	30	EVET				NC
80	4	30	EVET	0.34			
81	4	30	EVET	0.26			
82	1	3/4	M/D	3.10			
83	1	3/4	M/D	7.2			
84	1	4	M/D	40.0			
85	1	3/4	M/D	28.0			
86	1	3/4	M/D	115.0			
87	1	3/4	M/D	79.0			
88	1	2	M/D	21.6			
89	1	3/4	M/D	20.10			

BID ITEM 59: 25247

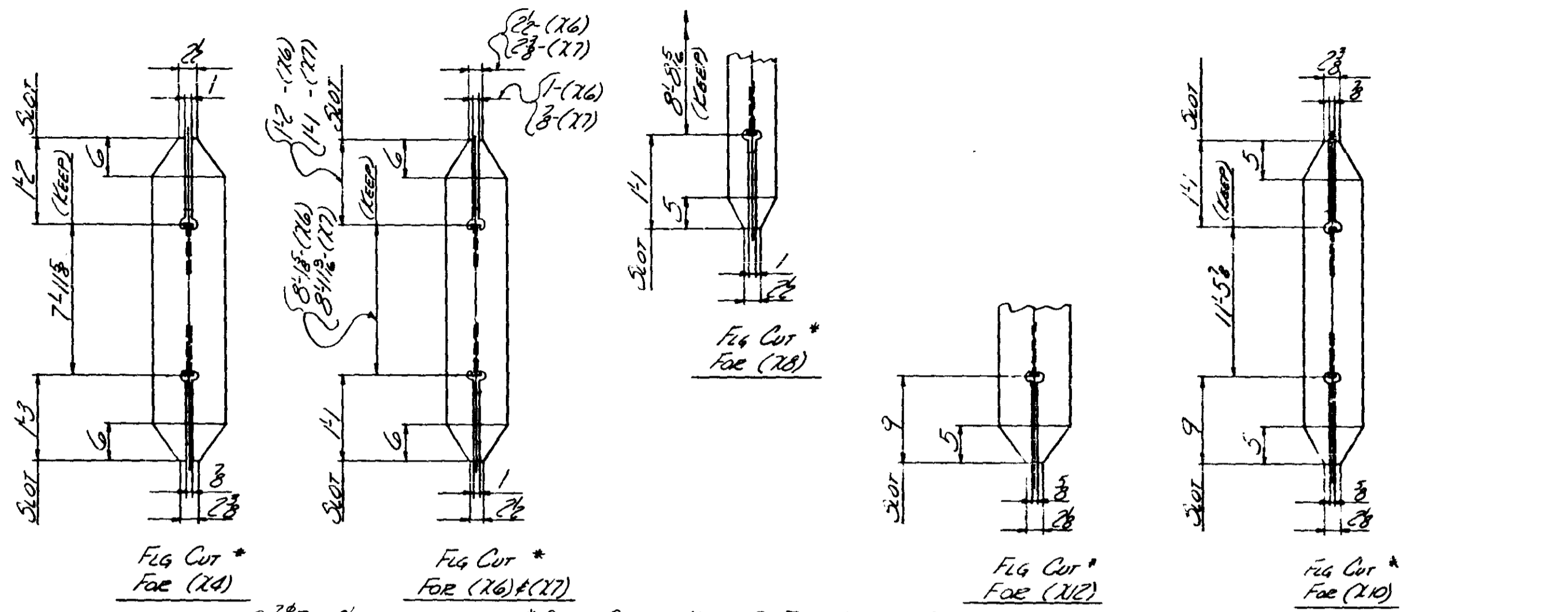
MINN PROJ. No. I-IG 35W-3 (SB) 112
STATE PROJ. No. 2783-9340B (TH 35W-394)

ALLIED STRUCTURAL STEEL COMPANY
ENGINEERS, FABRICATORS, ERECTORS
1228 14TH STREET, HARBOR, INDIANA 47516

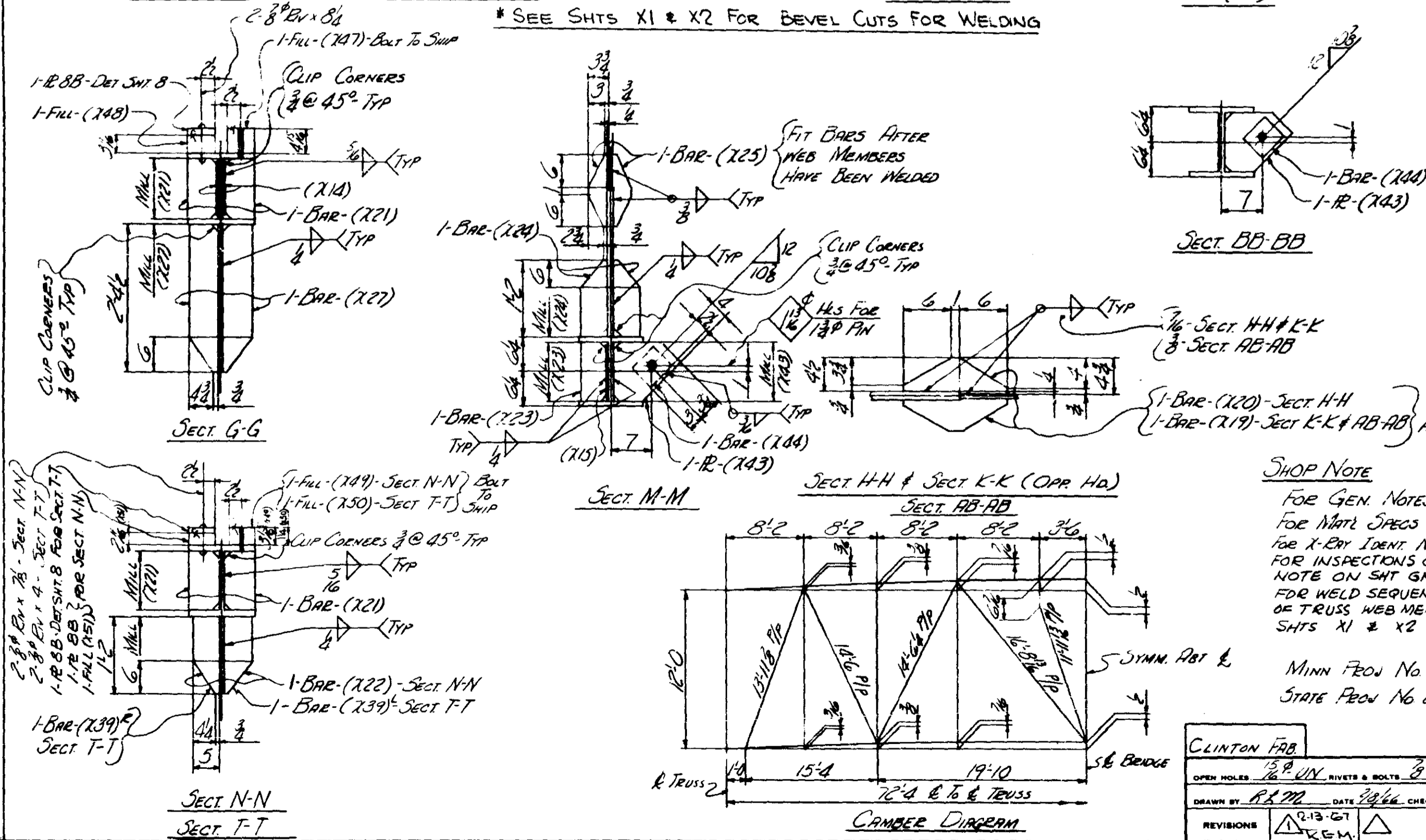
DETAILS OF: FLOOR TRUSS @ U20
STRUCTURE: BRIDGE NO 9340
LOCATION: MINNEAPOLIS, MINN.
OWNER: MINN STATE HWY DEPT.
CUSTOMER: MINN STATE HWY DEPT.

CONTRACT 3142 FABCOD 244 SHEET 1107BC

REVISIONS	DATE	CHECKED BY	DATE
1	5/18/66	G N	
2			
3			
4			



* SEE SHTS XI & X2 FOR BEVEL CUTS FOR WELDING



SHOP NOTE
 FOR GEN. NOTES SEE SHT GNI
 FOR MAT'L SPECS SEE BILL OF MAT'L
 FOR X-DRY IDENT. NO. SEE SHT-W1
 FOR INSPECTIONS OF WELDS SEE
 NOTE ON SHT GNI
 FOR WELD SEQUENCE & WELDING
 OF TRUSS WEB MEMBERS SEE
 SHTS XI & X2

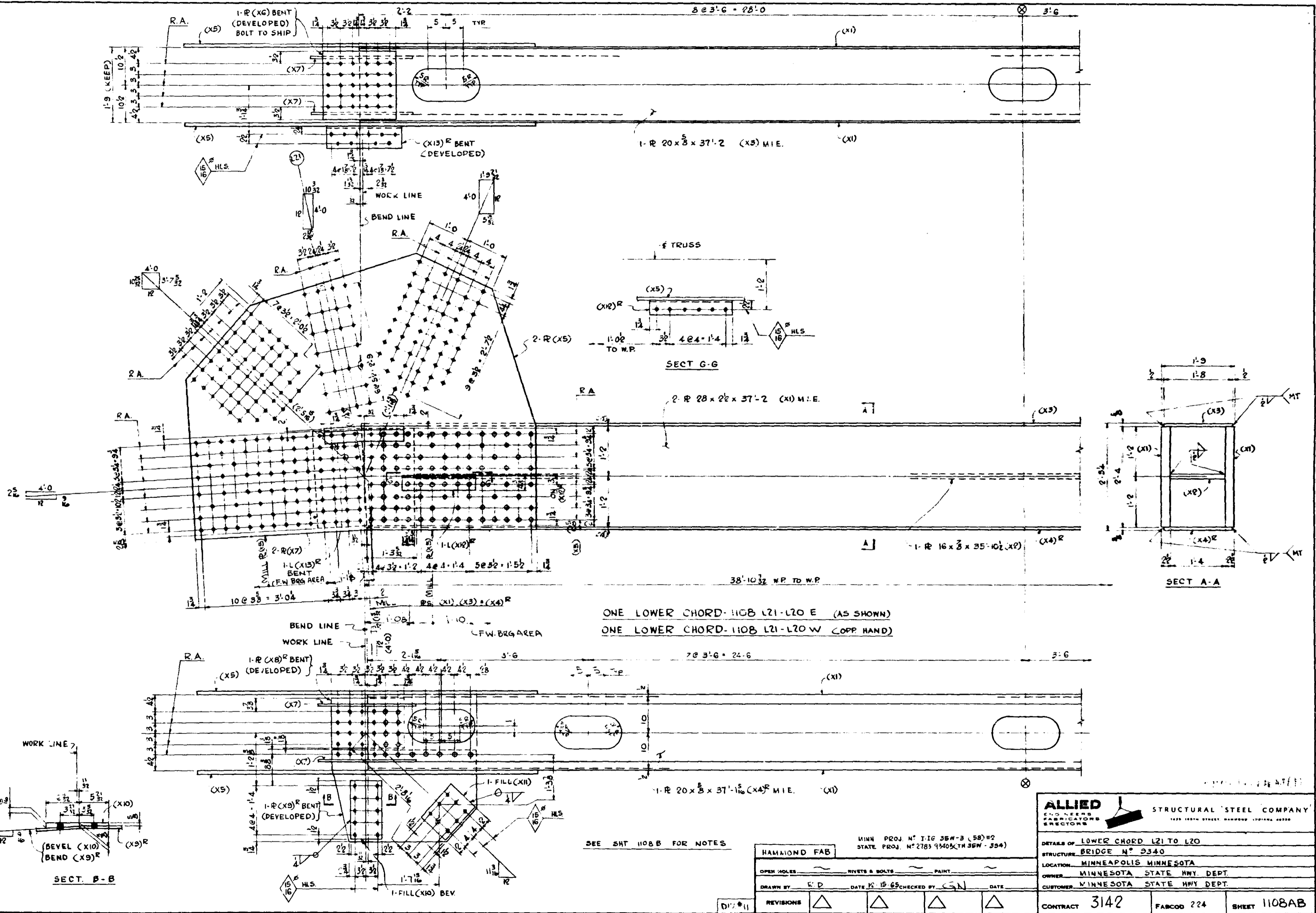
ITEM NO.	SHIP NO.	NO. REQ.	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	TOTAL WEIGHT	NET WEIGHT
1	1107C	1	FLOOR TRUSS						
2		2	12W106	63'11 1/2	21	SEE SHT XI & X2			
3		1	12W106	28'0"			59	2960	3306
4		2	12W65	17'11 1/2			59	2339	3306
5		1	12W85	63'11 1/2	22		59	5858	3306
6		2	Pc 36W194	4'11 1/2	13		59	1928	3306
7		2	12W92	10'4 1/2	24		59	1911	
8		2	R 30x3	5'4" 25			59	952	
9		2	10W54	10'4 1/2	16		59	1122	
10		2	10W54	11'7 1/2	27		59	1202	
11		2	8W35	9'9 1/2	28		59	688	
12		2	R 27x3	5'4" 29			59	884	
13		2	3W25	13'3 1/2	29		59	933	
14		2	R 22x3	5'2" 21			59	501	
15		2	8W35	10'4 1/2	22		59	728	
16		1	R 23x3	4'6" 23			59	726	
17		4	R 92x3	5'4" 24			59	215	
18		2	R 92x3	4'0" 23			59	97	3306
19		4	Bar 4x4x3/8	1'1" 21			59	23	3306
20		1	Bar 3x3x3/8	1'1" 21			59	16	3306
21		1	Bar 3x3x3/8	3'4"			59	16	3306
22		4	Bar 5x2	1'8" 26			59	58	3306
23		2	Bar 5x2	3'14"			59	58	3306
24		8	Bar 4x3x3/8	1'1" 21			59	65	3306
25		1	Bar 4x3x3/8	1'1" 21			59	45	3306
26		16	Bar 5x2	0'11 1/2			59	136	3306
27		4	Bar 5x2	1'2" 22			59	25	3306
28		3	Bar 5x2	1'11 1/2			59	49	3306
29		4	Bar 3x3x3/8	1'1" 21			59	16	3306
30		4	Bar 5x2	2'42"			59	81	3306
31		4	Bar 4x3x3/8	1'1" 21			59	29	3306
32		1	R 19x3	3'52" 27			59	465	3306
33		4	Bar 5x2	0'11 1/2			59	25	3306
34		4	6x6x3/8	2'24" 23			59	130	3306
35		4	Bar 4x3x3/8	3'4"			59	29	3306
36		4	R 10x3	1'42" 24			59	103	3306
37		8	Bar 4x3x3/8	1'42" 24			59	52	3306
38		4	R 9x3	1'24" 23			59	47	3306
39		4	Bar 5x2	1'2" 22			59	33	3306
40		1	Bar 5x2	1'11 1/2			59	195	3306
41		1	R 17x3	3'3" 24			59	73	3306
42		4	Bar 4x3x3/8	1'1" 21			59	73	3306
43		1	Bar 4x3x3/8	6'0"			59	52	3306
44		2	R 23x3	1'0" 23			59	19	3306
45		1	Bar 3x3x3/8	3'3" 25			59	10	3306
46		1	Bar 5x2	0'11 1/2			59	25	3306
47		2	Bar 5x2	0'11 1/2			59	43	3306
48		2	Bar 5x2	1'34" 25			59	45	3306
49		2	Bar 5x2	0'10 1/2			59	1.5	3306
50		2	Bar 5x14	0'10 1/2			59	39	3306
51		8	R 8D				59		
52		2	Bar 5x2	1'36" 25			59	22	3306
53		2	Bar 5x2	0'10 1/2			59	82	3306
54		2	Bar 5x12	1'36" 25			59	70	3306
55		1	R 12x3	3'3" 26			59	76	3306
56							59	25247	

ALLIED STRUCTURAL STEEL COMPANY
 1225 12TH STREET MINNEAPOLIS, MINN.
 612 224-1111

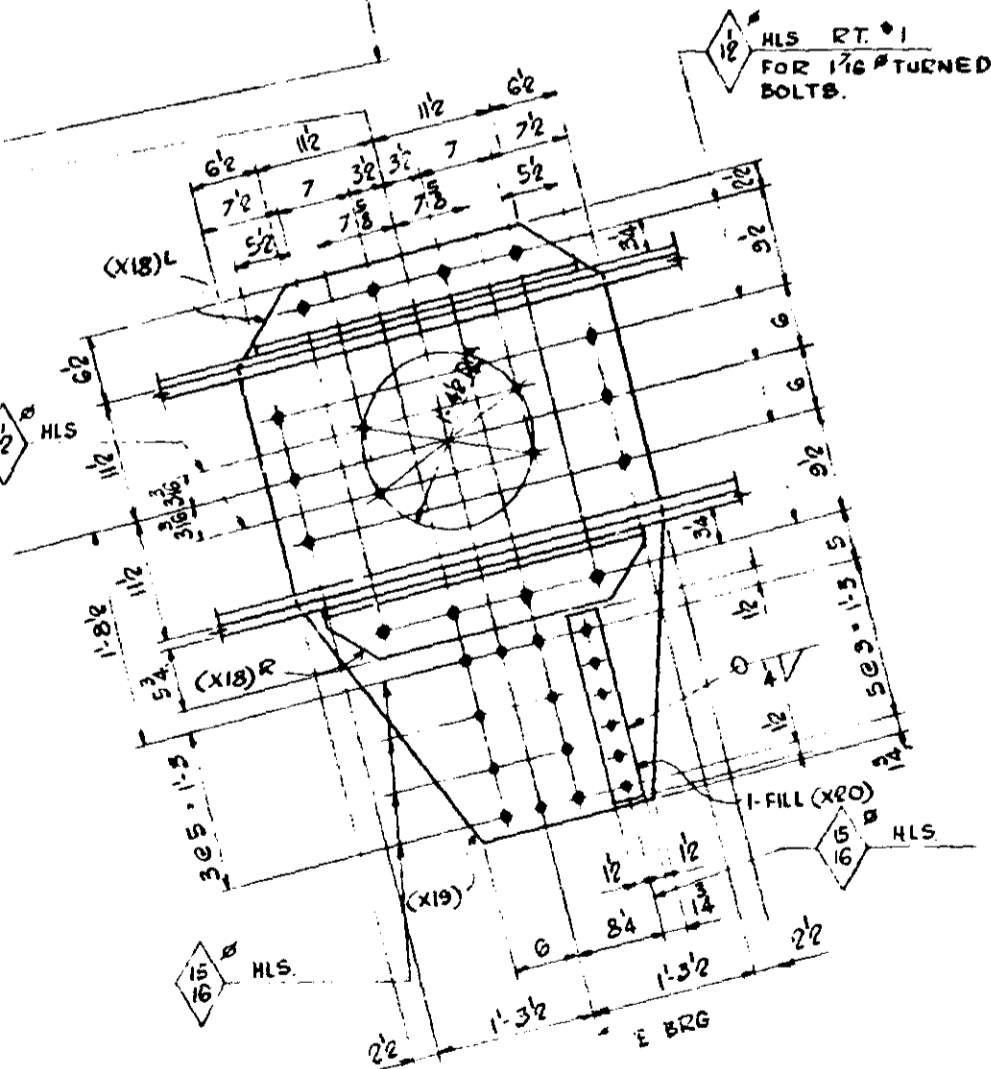
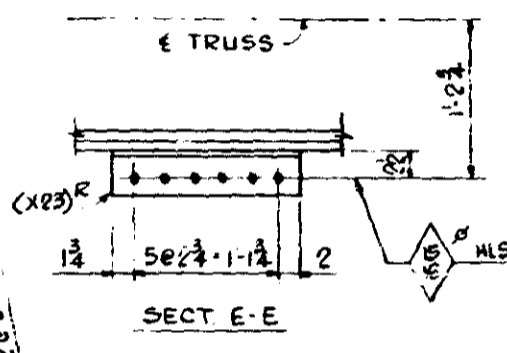
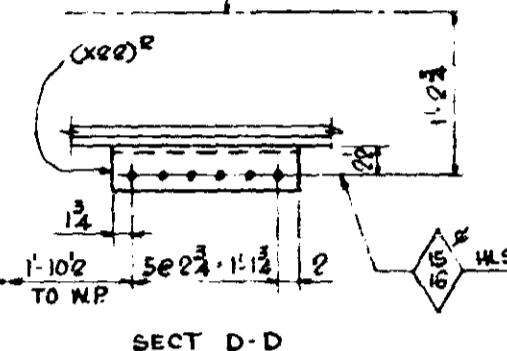
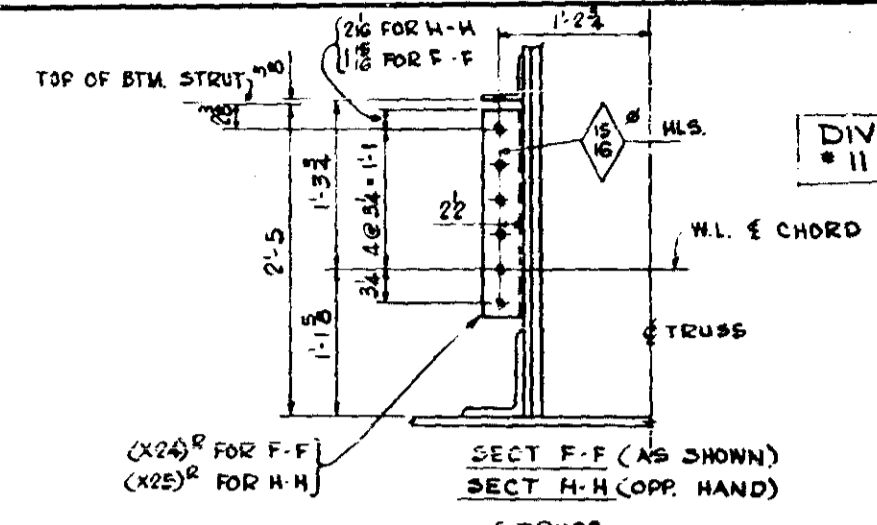
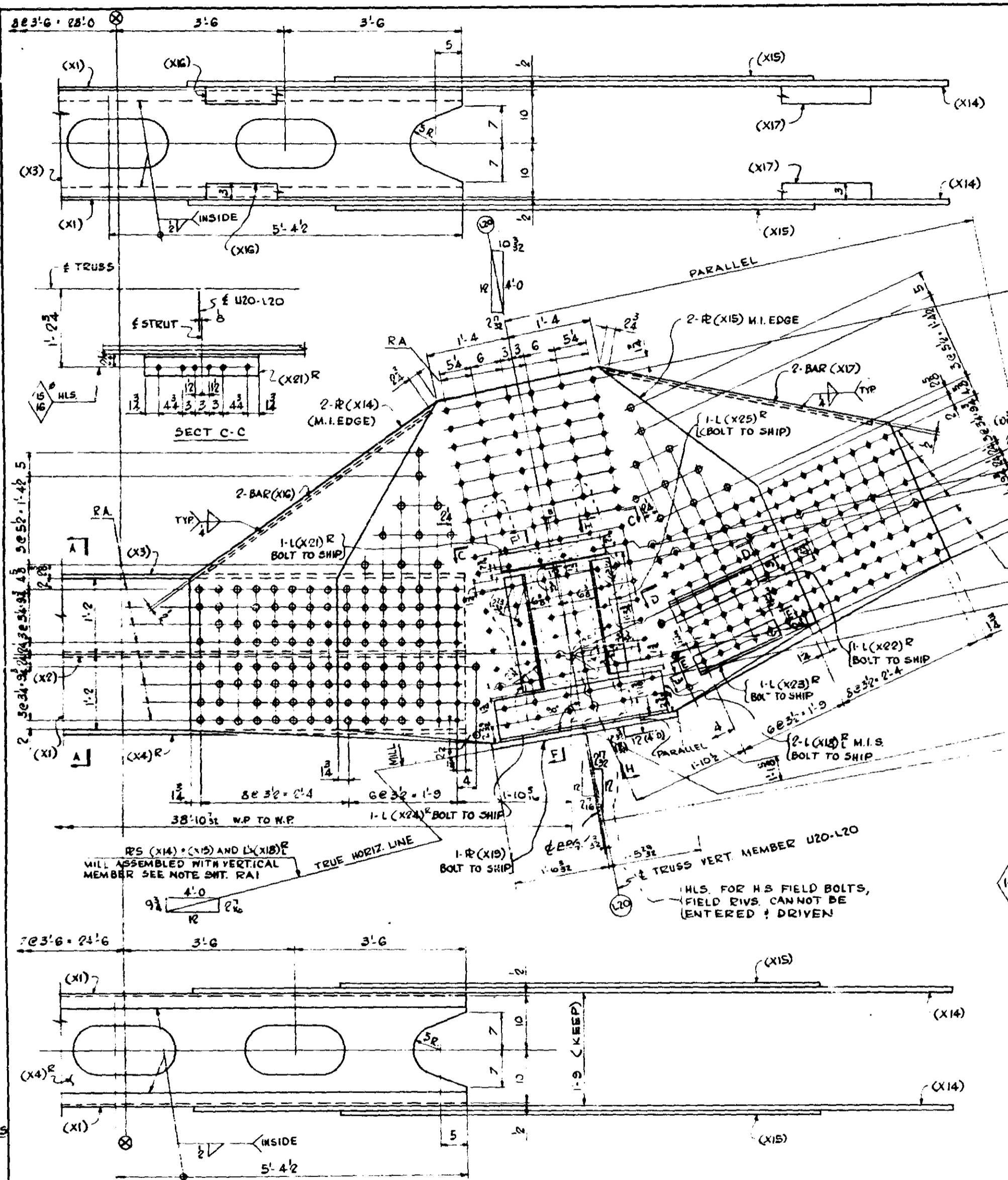
DETAILS OF FLOOR TRUSS @ U20
 STRUCTURE BRIDGE No. 340
 LOCATION MINNEAPOLIS, MINN.
 OWNER MINN. STATE HWY DEPT
 CUSTOMER MINN. STATE HWY DEPT

CONTRACT 3142 FABCODE 244 SHEET 1107C

CLINTON FAB
 DIV #11
 OPEN HOLES 1/2" UN. RIVETS & BOLTS 3/8" PAINT YES, SEE SHT GIV
 DRAWN BY R.P.M. DATE 2/13/67 CHECKED BY G.N. DATE
 REVISIONS: 1. 2-13-67 R.E.M. 2. 2-13-67 G.N.



ALLIED		STRUCTURAL STEEL COMPANY	
ENGINEERS		FABRICATORS	
ARCHITECTS		RECTORS	
DETAILS OF LOWER CHORD L21 TO L20			
STRUCTURE BRIDGE NO. 9340			
LOCATION MINNEAPOLIS MINNESOTA			
OWNER MINNESOTA STATE HWY. DEPT.			
CUSTOMER MINNESOTA STATE HWY. DEPT.			
CONTRACT	3142	FABCO#	224
SHEET	1108AB		



1" SHOD RIVETS

N ^o	LG
14	2 3/8
16	2 3/4
104	3 3/8
446	5 2
10	5 3/8
92	6 3/4
100	6 7/8
4	6 3/8

NOTES
 FOR GENERAL NOTES SEE SHT GNI
 MATL SPECS. SEE BILL OF MATL
 FOR INSPECTION OF WELDS SEE NOTE ON SHT GNI

ITEM NO.	SHIP MK	NO REQD	SHAPE	LENGTH	PC MK	REMARKS	ITEM NO.	TOTAL WEIGHT	WGT OF SPEC.
1									
2									
3	1108	1	ONE LOWER CHORD	(77' x 48' 10")		AS SHOWN			
4	1108	1	ONE LOWER CHORD	(77' x 48' 10")		OPP HAND			
5		4	R 28 x 2 1/2	37' 2"	XI	M.I.E.	222	60	3538
6		2	R 16 x 3	35' 10 1/2"	XI		174	60	3415
7		2	R 20 x 3	37' 2"	X5	M.I.E.	723	61	3159
8		2	R 20 x 3	37' 1 1/8"	X4	M.I.E.	723	61	3154
9		4	R 7 1/2 x 1	8' 0 1/2"	X5	M.I. EDGE	221	60	9263
10		2	R 19 x 3	1' 9"	X6	BENT U.M.	227	61	85
11		4	R 27 1/2 x 3	2' 5 1/2"	X7		228	61	575
12		2	R 14 1/2 x 2	1' 9"	X8	BENT (U.M.)	226	61	25
13		2	R 27 1/2 x 3	3' 7 1/2"	X9	BENT	301	61	256
14		2	FILL 12 x 15	1' 7"	X10	BEV	313	59	121
15		2	FILL 9 x 9	1' 0"	X11		312	59	38
16		2	L 4 1/2 x 4 x 3/8	1' 11"	X12	CUT L.G. 4	310	59	3310
17		2	L 6 x 4 x 3/8	1' 11"	X13	CUT L.G. 4	309	59	47
18		2	L 6 x 4 x 3/8	1' 3 1/2"	X14	BENT	308	59	44
19		4	R 6 1/2 x 1	12' 5"	X4	M.I. EDGE	305	62	11250
20		4	R 6 1/2 x 1	7' 10 1/2"	X15	M.I. EDGE	304	62	5392
21		4	BAR 3 x 3	4' 2"	X16		306	59	67
22		4	BAR 3 x 3	4' 1"	X17		306	59	63
23		4	L 8 x 5 1/2 x 3/4	2' 8"	X18	M.I.S.	307	61	361
24		4	L 8 x 6 x 3/4	2' 8"	X19	M.I.S.	308	59	1127
25		2	R 36 x 1	4' 7 1/4"	X10		310	59	39
26		2	FILL 3 x 1 1/2	1' 6"	X20		305	59	34
27		2	L 4 x 4 x 3/8	1' 10"	X21		310	59	36
28		2	L 4 1/2 x 4 x 3/8	1' 5 1/2"	X22	CUT L.G. 4	311	59	36
29		2	L 6 x 4 x 3/8	1' 5 1/2"	X23	CUT L.G. 4	311	59	36
30		2	L 4 x 4 x 3/8	1' 5 1/2"	X24		310	61	29
31		2	L 4 x 4 x 3/8	1' 5 1/2"	X25		310	59	33
32		2	L 4 x 4 x 3/8	1' 5 1/2"	X26		310	59	33
33									
34		4	RIV. 1"	6 3/8"					NC
35		160	RIV. 1"	6 3/8"					NC
36		92	RIV. 1"	6 3/4"					NC
37		590	RIV. 1"						NC
38									
39									
40		2	WLD	38' 5"					NC
41		2	WLD	34' 10"					NC
42									
43									
44									
45									
46									
47									
48									
49									
50									
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ALLIED STRUCTURAL STEEL COMPANY

MINN PROJ N^o I-16 35W-3 (58)112
 STATE PROJ N^o 2183 9340B (TH 55W 354)

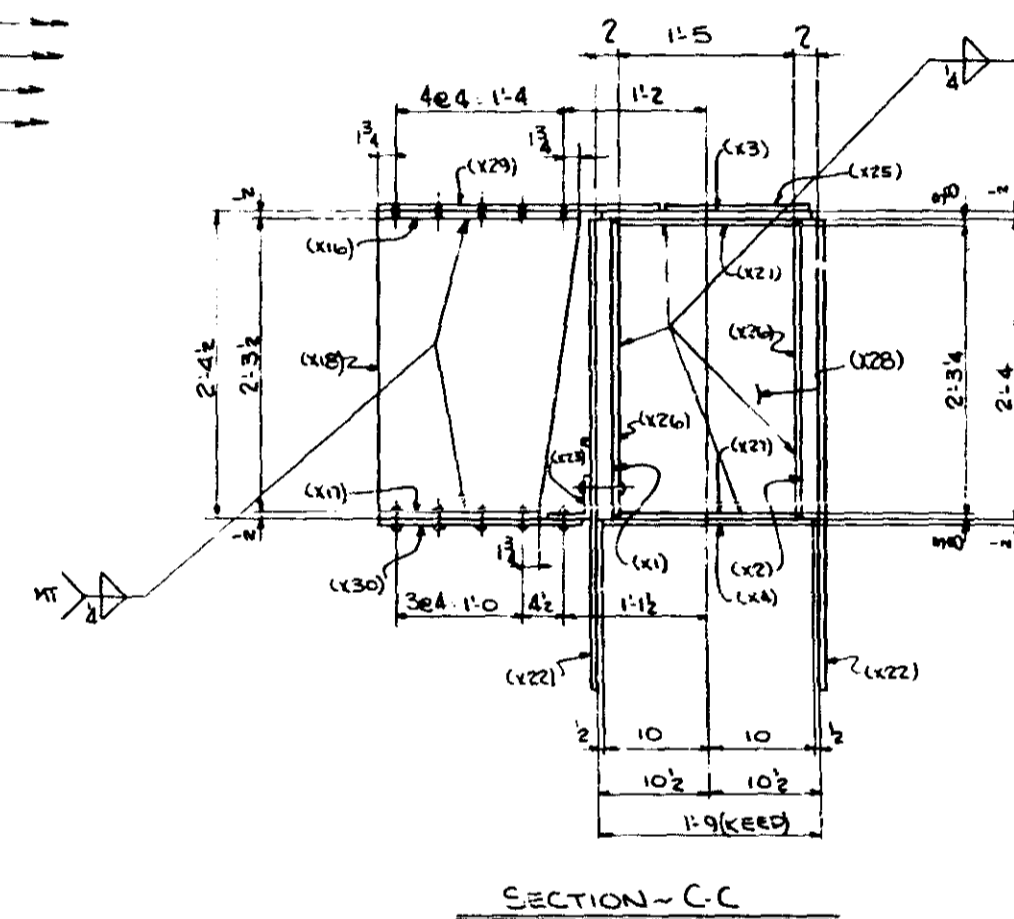
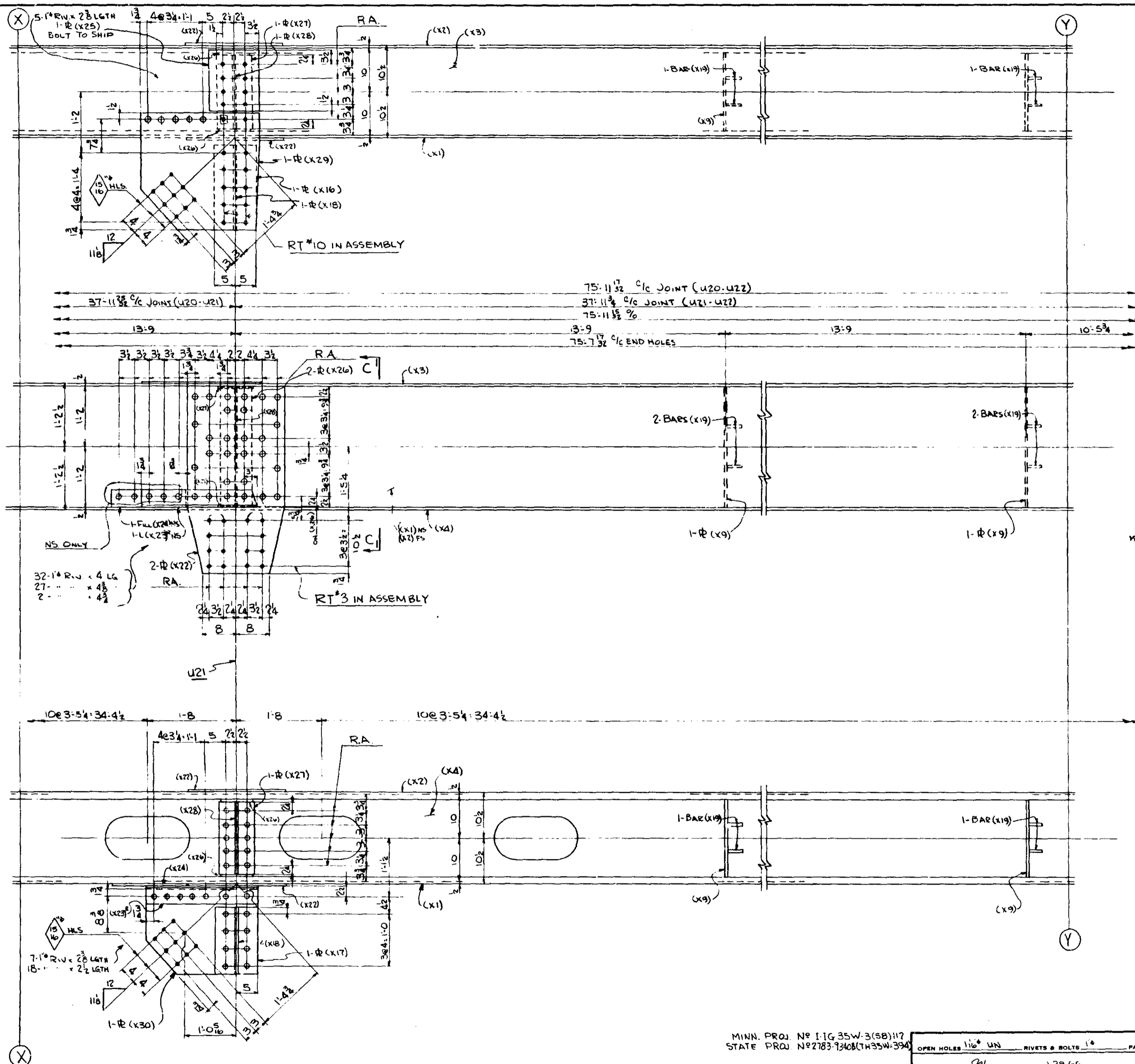
HAMMOND FAB.
 OPEN HOLES 116" U.N. RIVETS 1" PAINT YES-SEE SHT GNI
 DRAWN BY R.D. DATE 12.15.65 CHECKED BY G.N. DATE

DETAILS OF LOWER CHORD L21 TO L20
 STRUCTURE BRIDGE N^o 2340
 LOCATION MINNEAPOLIS MINNESOTA
 OWNER MINNESOTA STATE HWY DEPT.
 CUSTOMER MINNESOTA STATE HWY DEPT.

CONTRACT 3142
 FACOD 224
 SHEET 1108B

DIV. # 11

REVISIONS	△	△	△	△
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ALLIED ENGINEERS, FABRICATORS, ERECTORS
 1215 14TH STREET, HAMMOND, INDIANA 46320

STRUCTURAL STEEL COMPANY

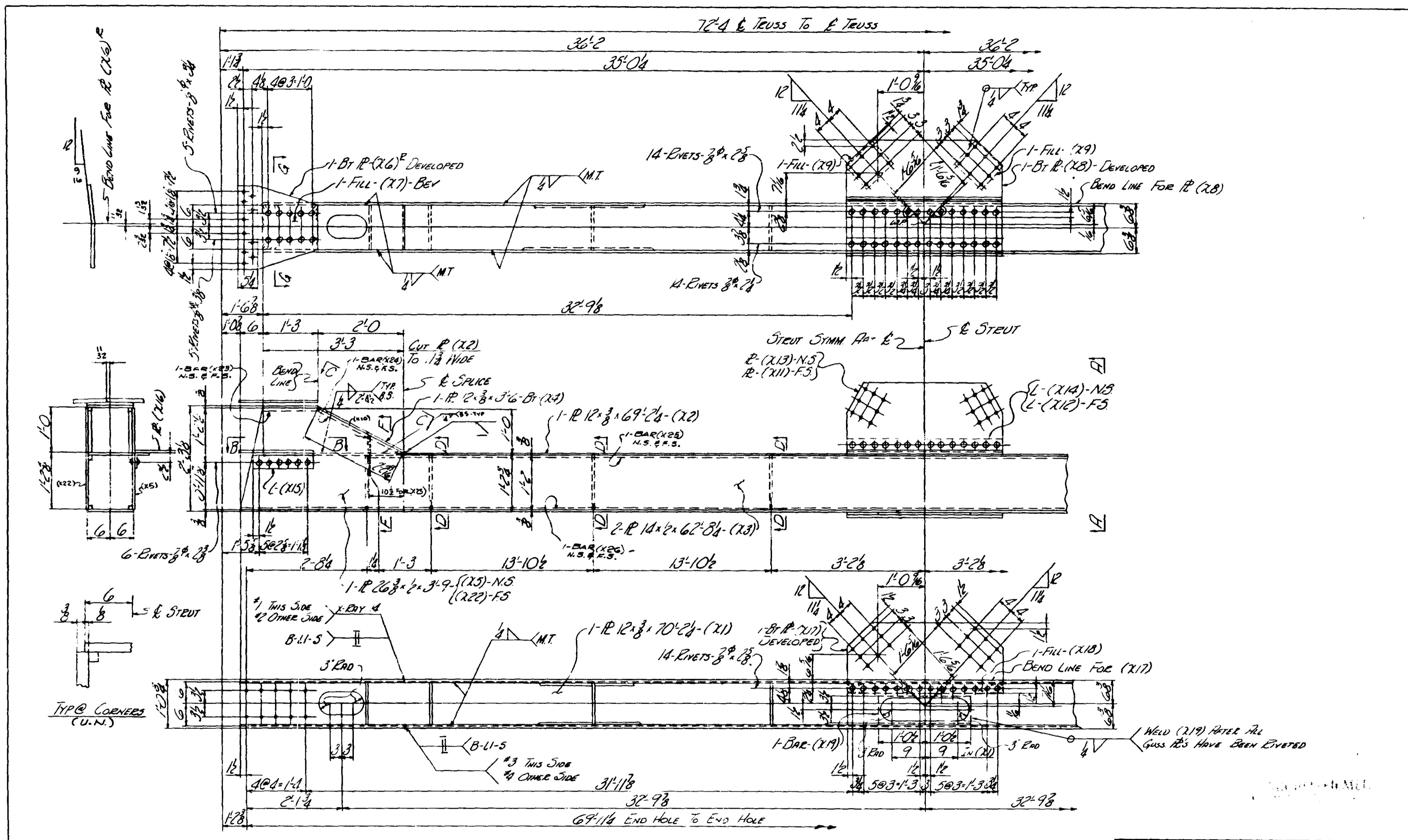
DIVISION 11
 HAMMOND FAB

DETAILS OF UPPER CHORD U20-U22
 STRUCTURE BRIDGE NO 9340
 LOCATION MINNEAPOLIS, MINNESOTA
 OWNER MINNESOTA STATE HYW. DEPT.
 CUSTOMER MINNESOTA STATE HYW. DEPT.

CONTRACT 3142 FABCOD 215 SHEET 1109BC

MINN. PROJ. NO IIG 35W-3(SB)11?
 STATE PROJ. NO 2783-9340(TH35W-394)

OPEN HOLES	1 1/2" UN	RIVETS & BOLTS	1"	PAINT	YES, SEE SHT. GN. 1
DRAWN BY	PH	DATE	1-28-66	CHECKED BY	GN
REVISIONS	△	△	△	△	



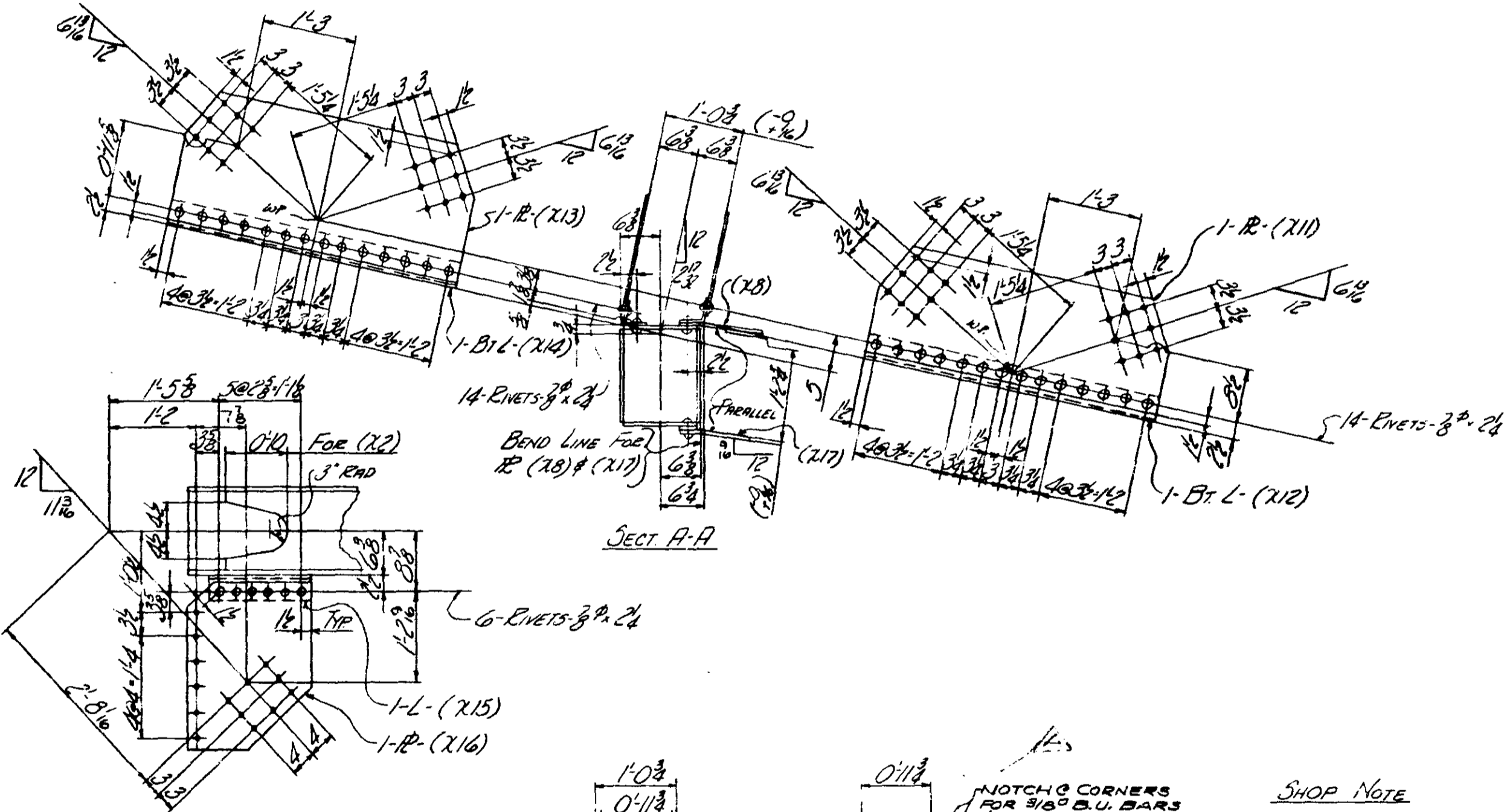
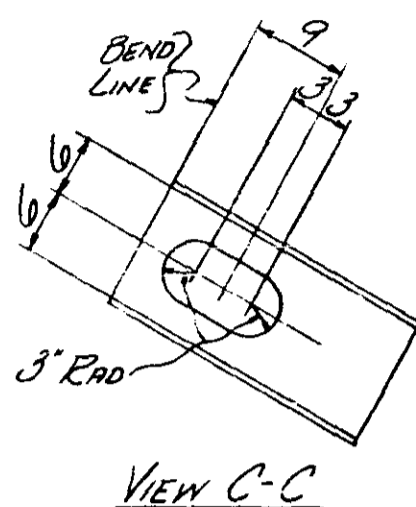
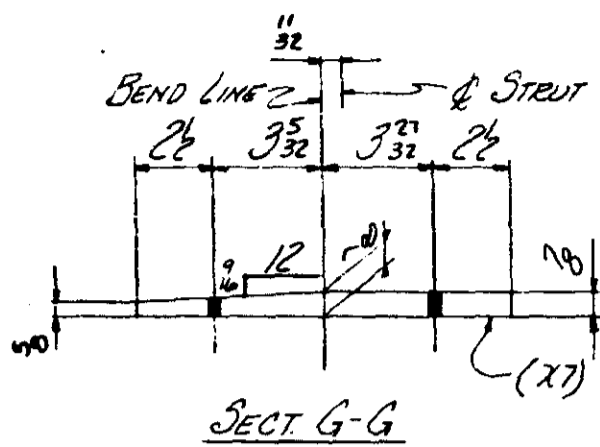
ONE-STEUT-1110A

MINN PROJ 1-16 35W-3(58)112
 STATE PROJ 2783-9340B (35W-394)

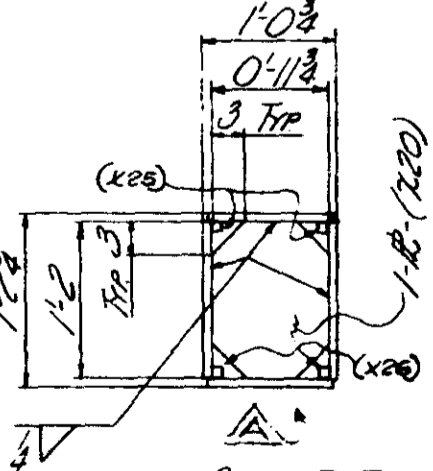
OPEN HOLES	~	RIVETS & BOLTS	~	PAINT	~
DRAWN BY	R.R.M.	DATE	12/9/65	CHECKED BY	G.N.
REVISIONS	△	△	△	△	△

ALLIED STRUCTURAL STEEL COMPANY PLANTS: CHICAGO, ILL. - CLINTON, IOWA - HAMMOND, IND. - KNOXVILLE, TENN. ENGINEERS - FABRICATORS - ERECTORS 20 NORTH WACKER DRIVE CHICAGO 6, ILLINOIS			
DETAILS OF	BOTTOM STEUT @ L21		
STRUCTURE	BRIDGE No. 9300		
LOCATION	MINNEAPOLIS, MINN.		
OWNER	MINN. STATE HWY DEPT.		
CUSTOMER	MINN. STATE HWY DEPT.		
CONTRACT	3142	FABR00	264
SHEET	1110AB		

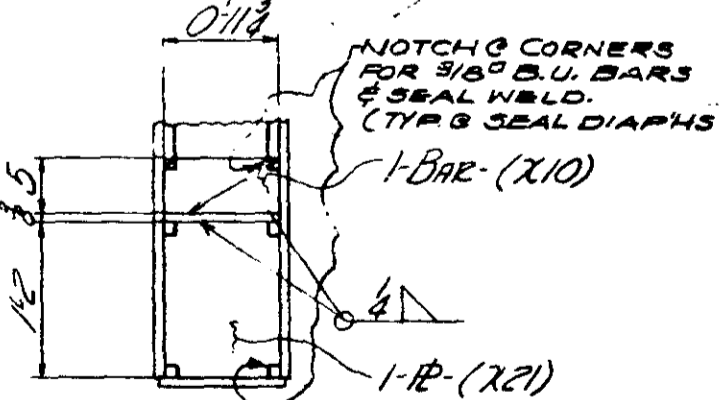
WELD (219) AFTER ALL
 GUSSET PLATES HAVE BEEN ERRECTED



SECT B-B



SECT D-D



SECT F-F

SHOP NOTE
 FOR GEN. NOTES SEE SHT G11
 FOR MATL SPECS SEE BILL OF MATL
 FOR INSPECTION OF WELDS SEE
 NOTE ON SHT G11

ITEM NO.	SHIP MK.	NO. REQD.	SHAPE	LENGTH	PC. MK.	REMARKS	ITEM NO.	TOTAL WEIGHT
1	1110A	1	STEUT	(36 x 70-0)				
4		1	R 12 x 3	20 24 X1			815	59
5		1	R 12 x 3	69 24 X2			817	1059
6		2	R 14 x 2	62 24 X3			816	2189
7		2	R 12 x 3	3 6 X4			819	121
8		2	R 20 x 3	3 9 X5			818	336
9		2	R 21 x 3	1 24 X6		BENT	820	99
10		2	R 12 x 3	1 3 X7		BENT	815	89
11		1	R 20 x 3	3 11 X8		BENT	823	189
12		2	R 9 x 3	1 0 X9			827	19
13		2	R 9 x 3	0 13 X10			820	13
14		1	R 17 x 3	3 11 X11			822	67
15		1	L 4 x 4	3 11 X12		BENT	828	38
16		1	R 20 x 3	3 11 X13			823	183
17		1	L 4 x 4	3 11 X14		BENT	828	38
18		2	L 4 x 4	1 43 X15			828	26
19		2	R 17 x 3	2 24 X16			823	110
20		1	R 18 x 3	3 64 X17		BENT	826	85
21		1	R 9 x 3	3 64 X18			821	11
22		1	R 9 x 3	2 1 X19			818	19
23		6	R 11 x 3	1 2 X20			821	105
24		2	R 11 x 3	1 2 X21			822	35
25		2	R 20 x 3	3 9 X22			818	336
26								
27								
28								
29			14 3/8 RIVETS					NC
30								
31								
32			1 1/2 WLD	3366				112
33								
34								
35								
36			2 BAR 3/8 x 7/8	1 3 X23			59	1
37			2 BAR 3/8 x 7/8	2 2 X24				2
38			2 BAR 3/8 x 7/8	64 5/8 X25				62
39			2 BAR 3/8 x 7/8	70 2/4 X26				67
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ALLIED STRUCTURAL STEEL COMPANIES
 CLINTON BRIDGE CORP. - BASE STRUCTURAL STEEL CORP. - MIDLAND STRUCTURAL STEEL CORP.
 ENGINEERS - FABRICATORS - ERECTORS OF BUILDINGS AND BRIDGES
 20 NORTH WACKER DRIVE CHICAGO 6, ILLINOIS

DETAILS OF BOTTOM STEUT @ L21
 STRUCTURE BRIDGE No. 2900
 LOCATION WINNEBAGO, MINN.
 OWNER MINN STATE HWY DEPT
 CUSTOMER MINN STATE HWY DEPT

CONTRACT 3142 FABCOOD 264 SHEET 110 B

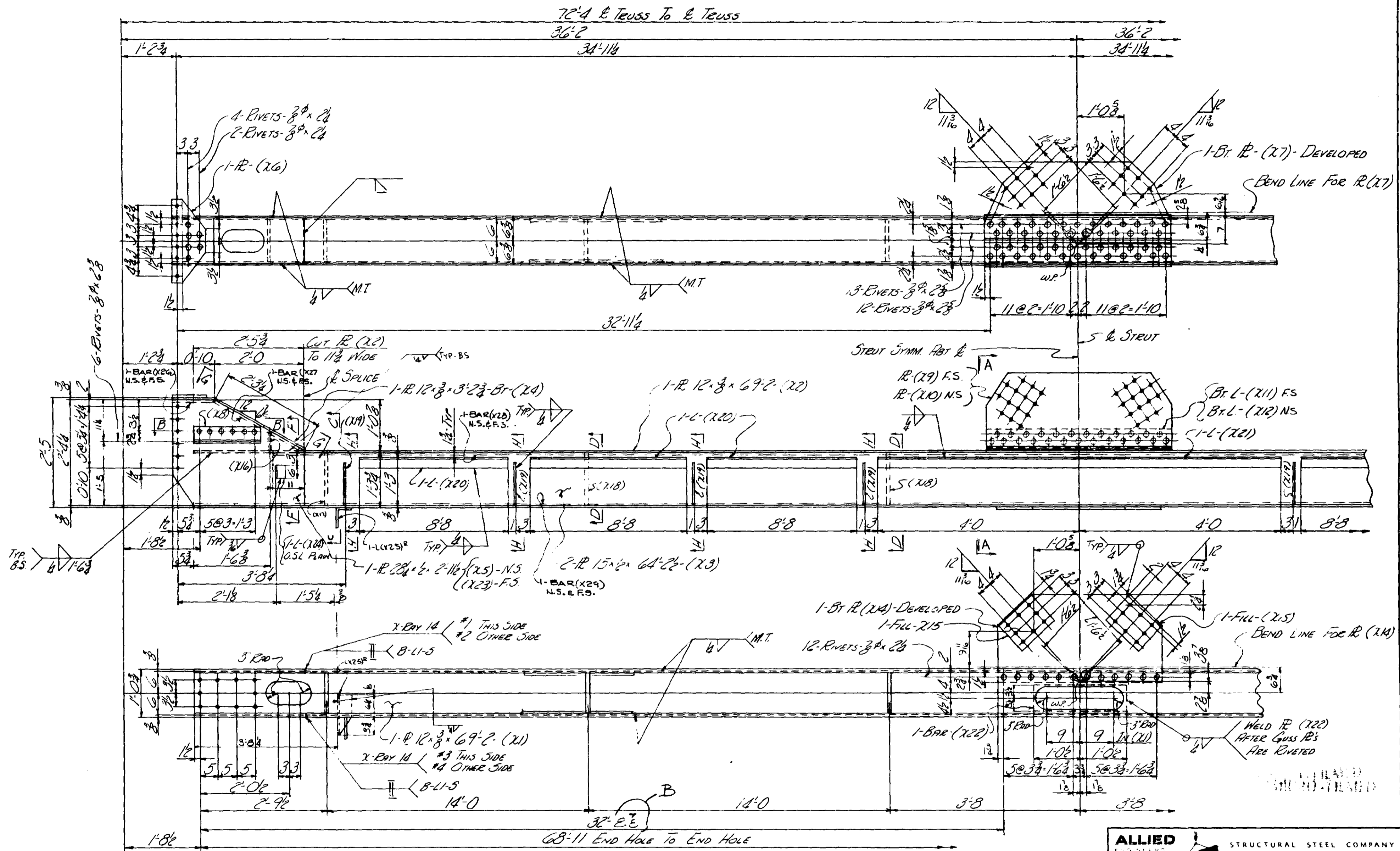
MINN. PROJ. No. I-16-354-358/12
 STATE PROJ. No. 2783-2408 (7135K394)

HAMMOND FAB.

OPEN HOLES 1 1/2" RIVETS & BOLTS 3/8" PAINT YES SEE SHT G11

DRAWN BY R.S.M. DATE 7/2/65 CHECKED BY G.N. DATE _____

REVISIONS 1 2 3 4

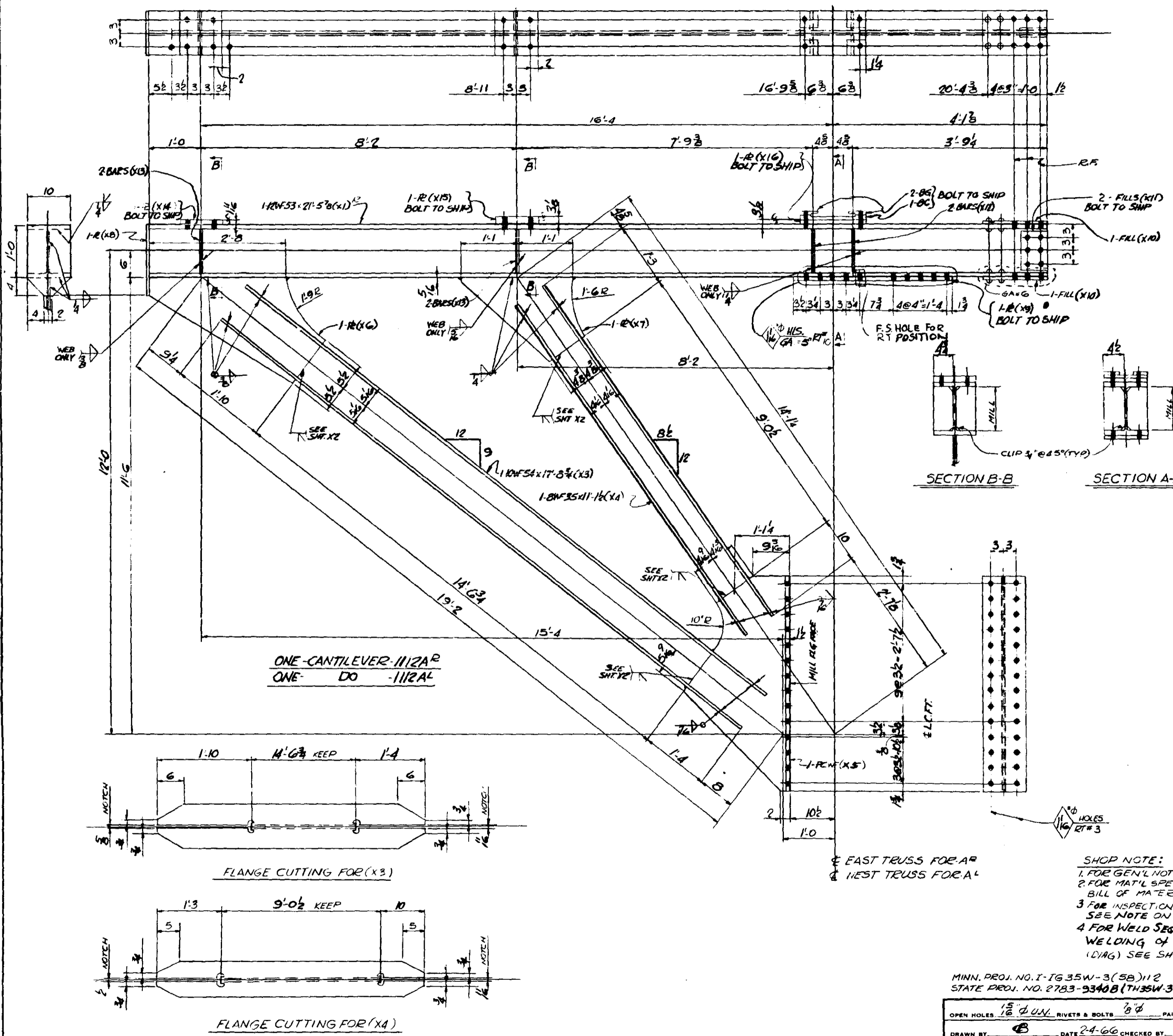


ONE - STREUT - 1111A

MINN. PROJ. I-1635W-3 (E8) 112
 STATE PROJ. NO. 2783-9340B (TH35W394)

ALLIED		STRUCTURAL STEEL COMPANY	
<small>ENGINEERS, ARCHITECTS, FABRICATORS, ERECTORS</small> 1425 14TH STREET, MINNEAPOLIS, MINN.			
DETAILS OF <u>Bottom Streut @ L20</u>			
STRUCTURE <u>BRIDGE No 9340</u>			
LOCATION <u>MINNEAPOLIS, MINN.</u>			
OWNER <u>MINN STATE HWY DEPT</u>			
CUSTOMER <u>MINN STATE HWY DEPT</u>			
CONTRACT	FABCOD	SHEET	
112	264	1111AB	

OPEN HOLES	~	RIVETS & BOLTS	~	PAINT	~
DRAWN BY <u>R.L.M.</u> DATE <u>1/26/66</u> CHECKED BY <u>C.N.</u> DATE _____					
REVISIONS	1/26/66	1/16/67			

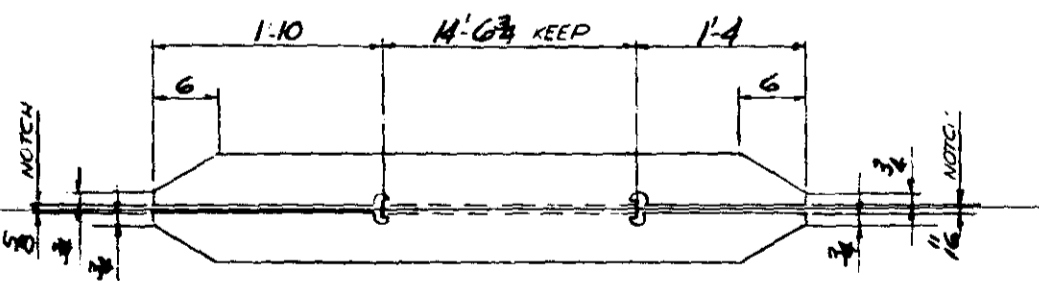


DIV # 11

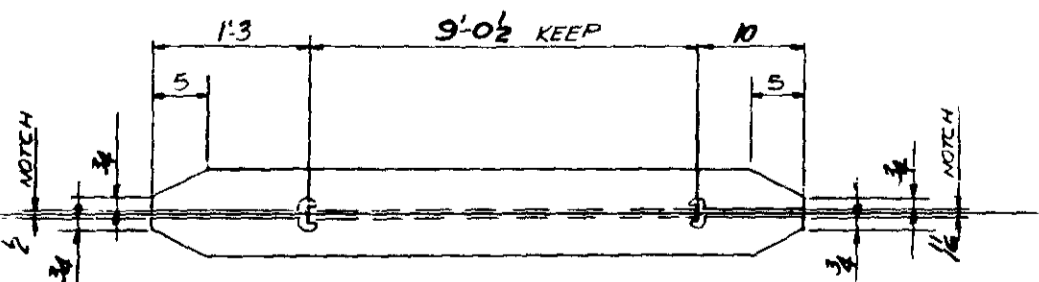
ITEM NO.	QTY	SHAPES	LENGTH	PC	REMARKS	WEIGHT	TOTAL WEIGHT	NO. OF BOLTS
1								
2								
3								
4	112A	CANTILEVER	(168x21'6")					
5	112A	DO	(168x21'6")					
6								
7								
8								
9	2	12WF53	21'5 3/8 x 1'6"			59	2278	3306
10								
11	2	10WF54	17'0 3/4 x 3"				1915	
12	2	2WF35	11'1 1/2 x 4"				779	
13	2	PC 30W10B	4'1" x 5"				892	
14	2	R 23 3/8 x 2"	3'4 1/2 x 6"				268	
15	2	R 19 x 3/8"	2'5 1/2 x 7"				119	
16	2	R 10 x 3/8"	1'4" x 8"				34	
17	2	R 10 x 3/4"	3'5 1/2 x 9"				176	
18	4	R 10 x 7/16"	1'3" x 10"					
19	4	FILL	0'9" x 11"					
20	8	BAR 1/2"	0'10 1/2 x 2"				59	3306
21	8	BAR 1/2"	0'10 1/2 x 2"				59	
22	2	R 10 x 1/16"	0'10" x 4"				103	
23	2	R 10 x 3/8"	0'10" x 5"				184	
24	2	R 10 x 3/8"	1'3 1/4 x 6"				281	
25	4	R 10 x 1/16"	0'9"				59	3306
26	8	R						
27	2	R						
28								
29	2	1/4 NLD	21'0"					NE
30	2	1/4 NLD	3'4"					
31	2	3/8 NLD	23'0"					
32	2	1/4 NLD	16'4"					
33								
34	10	1/8 E71						
35	10	1/8 S.B.						
36								
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NO	LGTH
16	22

ONE CANTILEVER - 112A
ONE DO - 112A



FLANGE CUTTING FOR (X3)



FLANGE CUTTING FOR (X4)

SECTION B-B SECTION A-A

SHOP NOTE:
1. FOR GEN'L NOTES SEE GNI
2. FOR MAT'L SPECS SEE BILL OF MATERIAL
3. FOR INSPECTION OF WELDS SEE NOTE ON SHT GNI
4. FOR WELD SEQUENCE AND WELDING OF TRUSS WEB MEMBERS (DIAG) SEE SHT X1 & X2

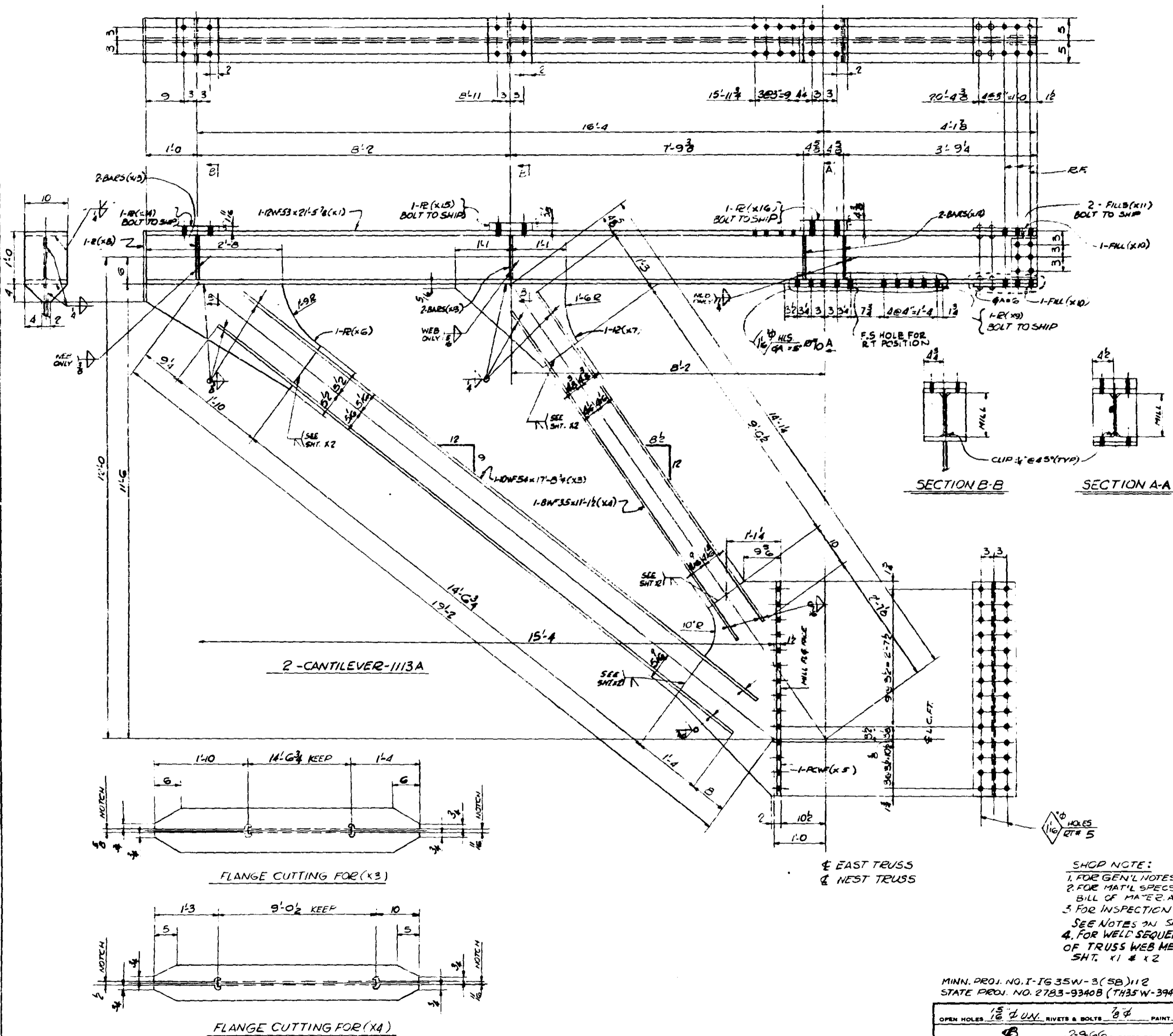
MINN. PROJ. NO. I-1635W-3(5B)112
STATE PROJ. NO. 2783-9340B (TH35W-394) CLINTON FAB

OPEN HOLES	1/2" DIA.	RIVETS & BOLTS	3/8"	PAINT	YES-SEE SHT GNI
DRAWN BY	B	DATE	2-4-66	CHECKED BY	GN
REVISIONS	Q13 G7				
	W.E.M.				

ALLIED STRUCTURAL STEEL COMPANY
1415 15TH STREET HARMOND, ILLINOIS 62240

DETAILS OF
STRUCTURE CANTILEVER (10 FT 21)
BRIDGE NO. 9340
LOCATION MINNEAPOLIS, MINNESOTA
OWNER MINNESOTA STATE HWY DEPT.
CUSTOMER MINNESOTA STATE HWY DEPT.

CONTRACT 3142 FABCOD 244 SHEET 1112



QTY	SHIP MK	NO REQ	SHAPE	LENGTH	PC MK	REMARKS	ITEM NO	TOTAL WEIGHT	TOTAL VOLUME
11	1113A	2	CANTILEVER (168' x 21' 6")						
2			12WF53	21' 5 1/2" x 1"			59	2278	3306
2			10WF54	17' 0 3/4" x 3"			1915		
2			8WF35	11' 16" x 4"			779		
2			PC 30WF108	4' 1" x 5"			881		
2			R 23 3/8 x 2	3' 4 1/2" x 16"			268		
2			R 19 x 3/8	2' 5 1/2" x 7"			119		
2			R 10 x 3/8	1' 8" x 8"			34		
2			R 10 x 3/8	3' 5 1/2" x 9" U.M.			176		
4			R 10 x 1/2	1' 3" x 10"			59		
2			3AR 42 x 6	5' 0" x 12"			59	3306	
2			3AR 42 x 6	5' 0" x 12"			59		
2			R 10 x 1 1/2	5' 10" x 14"			103		
2			R 10 x 3/8	5' 10" x 14"			184		
2			R 10 x 4 1/2	5' 10" x 14"			255		
1			R 10 x 1/2	0' 9"			59	3306	
2			1/2" NLD	21' 0"					NC
2			1/2" NLD	3' 4"					
2			1/2" NLD	23' 0"					
2			1/2" NLD	16' 4"					
12			3/8" E71						
12			3/8" E71						
EQUITY 59 = 7113									

ALLIED STRUCTURAL STEEL COMPANY
 1315 PETER STREET, MINNEAPOLIS, MINN. 55404

DETAILS OF: **CANTILEVER - FT 22**

STRUCTURE: **BRIDGE NO. 9340**

LOCATION: **MINNEAPOLIS, MINNESOTA**

OWNER: **MINNESOTA STATE HWY DEPT.**

CUSTOMER: **MINNESOTA STATE HWY DEPT.**

CONTRACT: **3142** FABCOD: **244** SHEET: **1113**

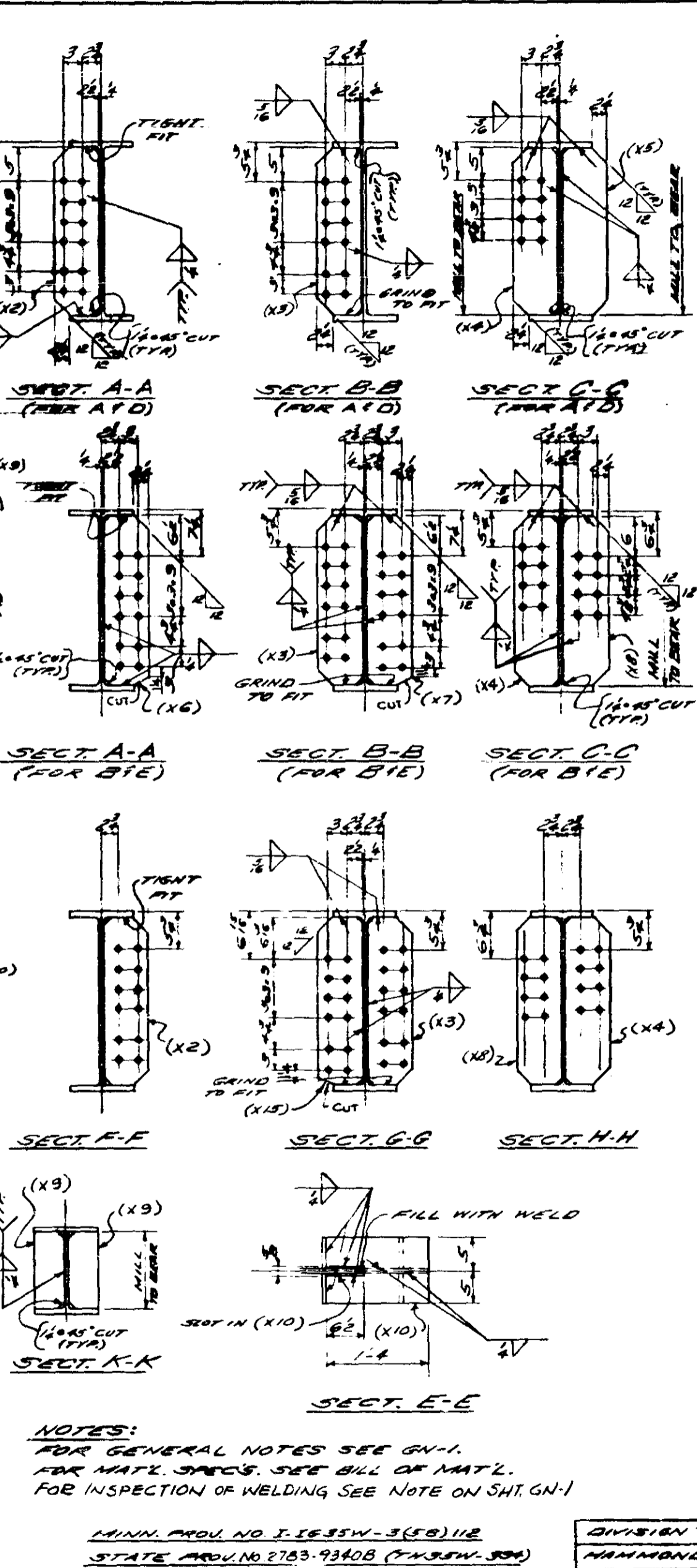
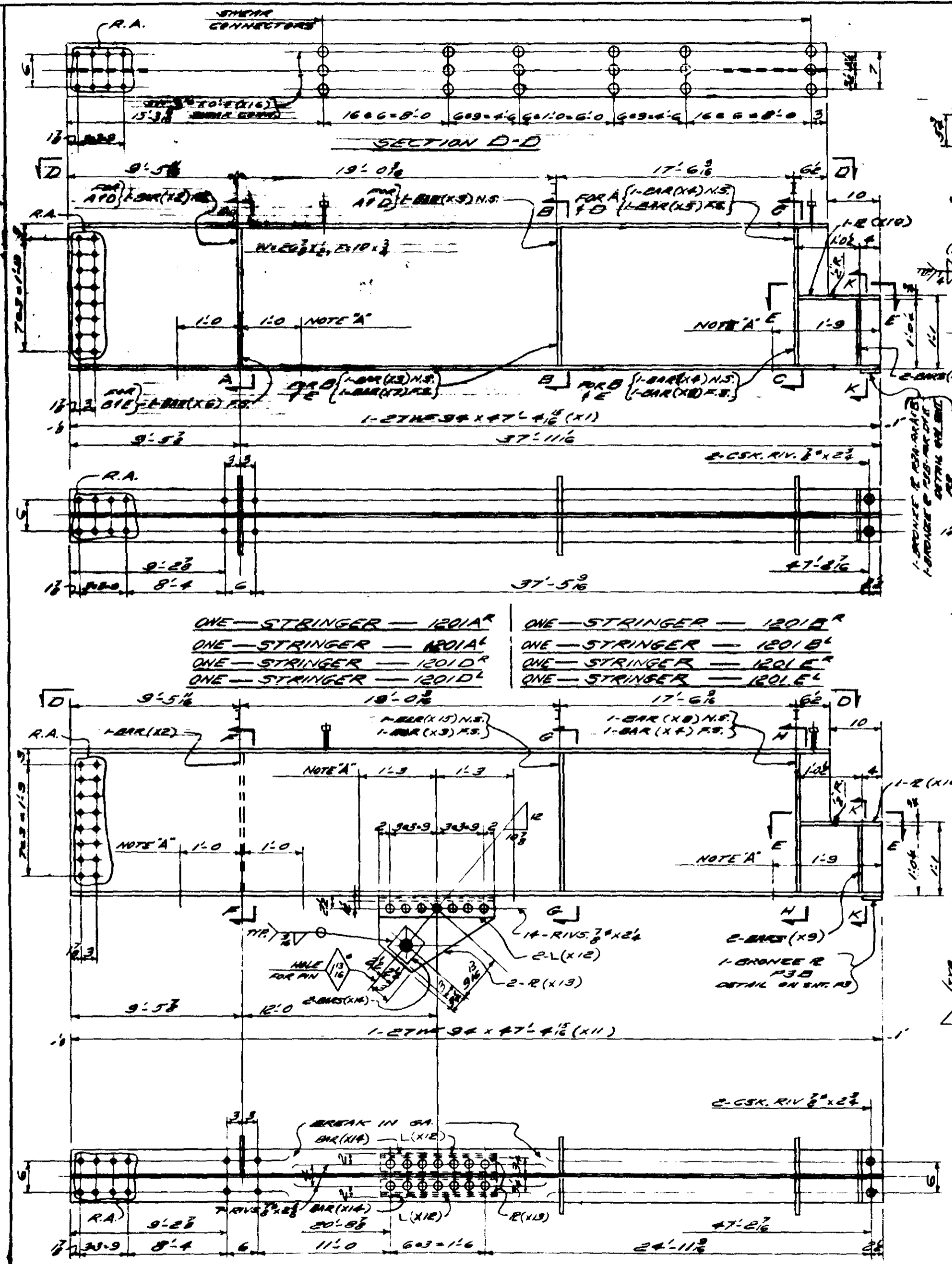
16' SHOP EN.
 NO LGTH
 16' 2 1/2"

MINN. PROJ. NO. T-1635W-3 (SB) 112
 STATE PROJ. NO. 2783-9340B (TH35W-394) CLINTON FAB

OPEN HOLES: **1 1/2" DIA.** RIVETS & BOLTS: **3/4"** PAINT: **YES-SEE SHT GNI**

DRAWN BY: **B** DATE: **2-9-66** CHECKED BY: **GN** DATE: _____

REVISIONS: **R13** **REM** **△** **△** **△**



NO	QTY	SHAPE	LENGTH	PC	REMARKS	ITEM	TOTAL
NO				NO		NO	WEIGHT
1							
2	1201A	ONE STRINGER			(31' x 47'-5")		
3	1201B	ONE STRINGER			(31' x 47'-5")		
4	1201B	ONE STRINGER			(31' x 47'-5")		
5	1201B	ONE STRINGER			(31' x 47'-5")		
6	1201D	ONE STRINGER			(31' x 47'-5")		
7	1201C	ONE STRINGER			(31' x 47'-5")		
8	1201E	ONE STRINGER			(31' x 47'-5")		
9	1201E	ONE STRINGER			(31' x 47'-5")		
10	8	27WF94	47' 4 1/2"	X1		5702	59 35153 3306
11	4	BAR 7 x 3/8	2' 1 1/2"	X2	FOR A-D	5706	75
12	8	BAR 7 x 3/8	2' 1 1/2"	X3		5706	151
13	8	BAR 7 x 3/8	2' 1 1/2"	X4	M.I.E.	5707	201
14	4	BAR 7 x 3/8	2' 1 1/2"	X5	FOR A-D	5707	100
15	4	BAR 7 x 3/8	2' 1 1/2"	X6	FOR B-E	5706	75
16	4	BAR 7 x 3/8	2' 1 1/2"	X7	FOR B-E	5706	75
17	4	BAR 7 x 3/8	2' 1 1/2"	X8	M.I.E.	5707	100
18	16	BAR 4 1/2 x 2	0' 11 1/2"	X9	M.I.E.	5708	117
19	8	R 10 x 3/4	1' 4"	X10		5709	59 272 3206
20	4	BRONZE R					
21	4	CSK RIV 3/8 x 2 1/2					
22	16	CSK RIV 3/8					NE
23							
24	228	SHEAR CONN	0' 4"	X16	TYP S3F	5709	1070
25							
26	8	7/8 WLD	2' 0"				NE
27	8	3/4 WLD	26' 0"				NE
28							
29							
30	1201A	STRINGER			(45' x 70")		
31	1201B	STRINGER			(45' x 70")		
32	2	27WF94	47' 4 1/2"	X11		5702	59 35153 3306
33	2	BAR 7 x 3/8	2' 1 1/2"	X2		5706	75
34	2	BAR 7 x 3/8	2' 1 1/2"	X3		5706	75
35	2	BAR 7 x 3/8	2' 1 1/2"	X4	M.I.E.	5707	100
36	2	BAR 7 x 3/8	2' 1 1/2"	X5	FOR A-D	5707	100
37	2	BAR 7 x 3/8	2' 1 1/2"	X6	FOR B-E	5706	75
38	2	BAR 7 x 3/8	2' 1 1/2"	X7	FOR B-E	5706	75
39	2	BAR 7 x 3/8	2' 1 1/2"	X8	M.I.E.	5707	100
40	2	BAR 7 x 3/8	2' 1 1/2"	X9	M.I.E.	5707	100
41	2	R 10 x 3/4	1' 4"	X10		5709	59 272 3206
42	2	R 10 x 3/4	1' 4"	X10		5709	59 272 3206
43	2	BRONZE R					
44	2	CSK RIV 3/8 x 2 1/2					
45	228	SHEAR CONN	0' 4"	X16	TYP S3F	5709	1070
46	16	CSK RIV 3/8					NE
47	2	7/8 WLD	2' 0"				NE
48	2	3/4 WLD	27' 10"				NE
49	2	3/4 WLD	3' 7"				NE
50							
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60		BID ITEM	59 =	47531			
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ONE STRINGER - 1201C
 ONE STRINGER - 1201D
 ONE STRINGER - 1201E
 ONE STRINGER - 1201A
 ONE STRINGER - 1201B
 ONE STRINGER - 1201D
 ONE STRINGER - 1201E

NOTE 'A'
 SOFT. P.L.G. TO BE 90° TO WEB
 & SHIP. FOR DISTANCE INDICATED.

NOTES:
 FOR GENERAL NOTES SEE GN-1.
 FOR MAT'L. SPECS. SEE BILL OF MAT'L.
 FOR INSPECTION OF WELDING SEE NOTE ON SH. GN-1

MINN. PROV. NO. 3-1635W-3(50)112
 STATE PROV. NO. 2783-9340B (MNSW. 50A)

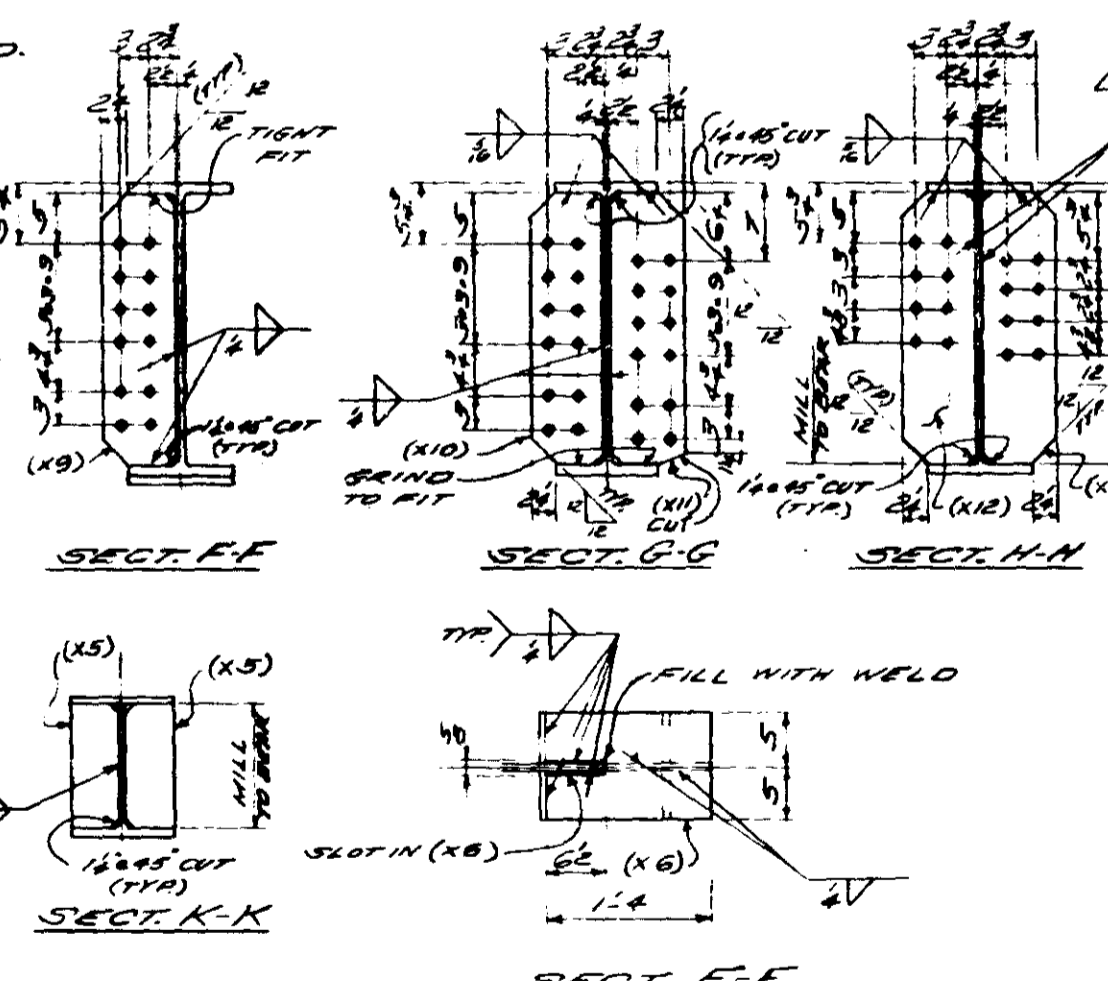
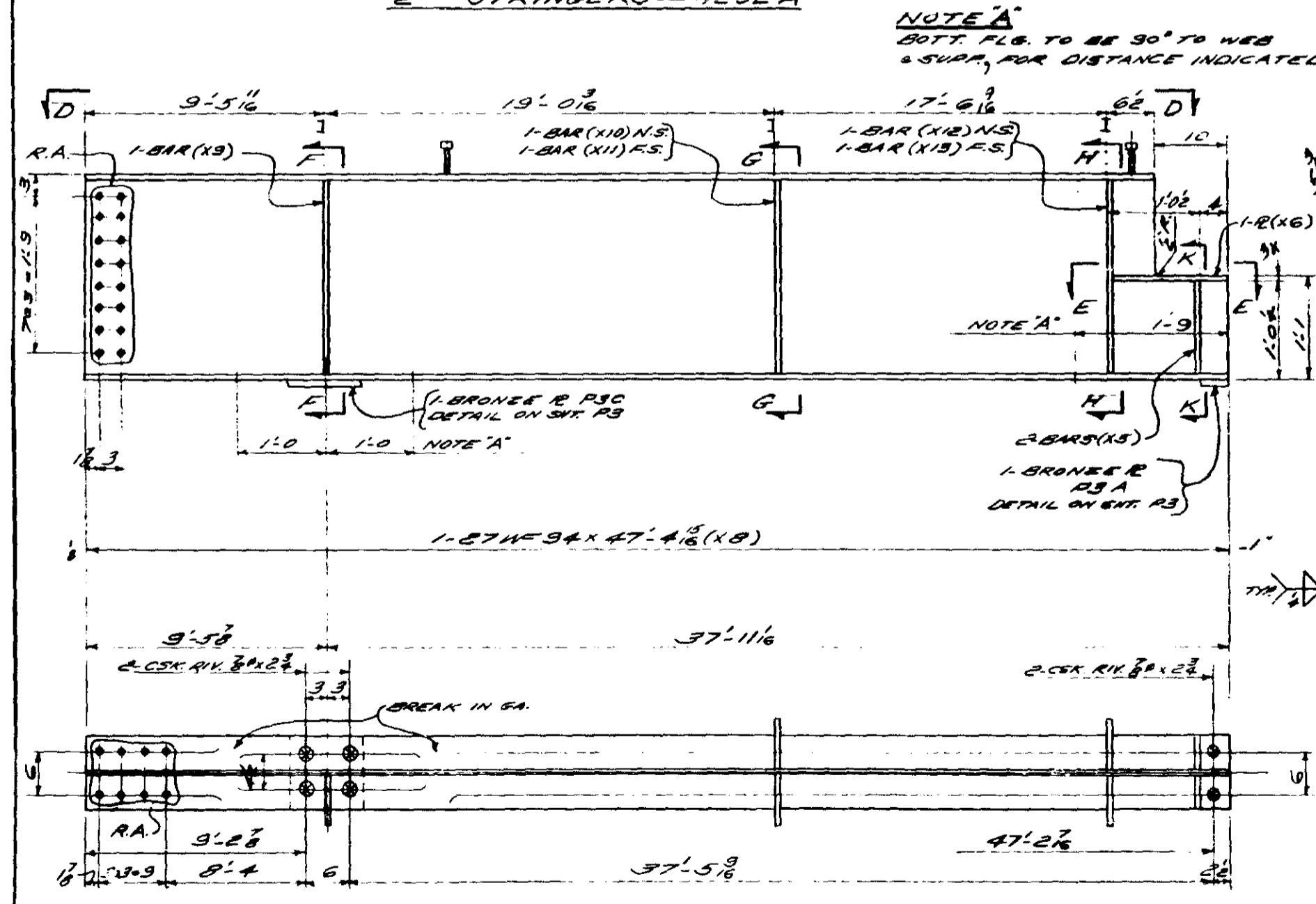
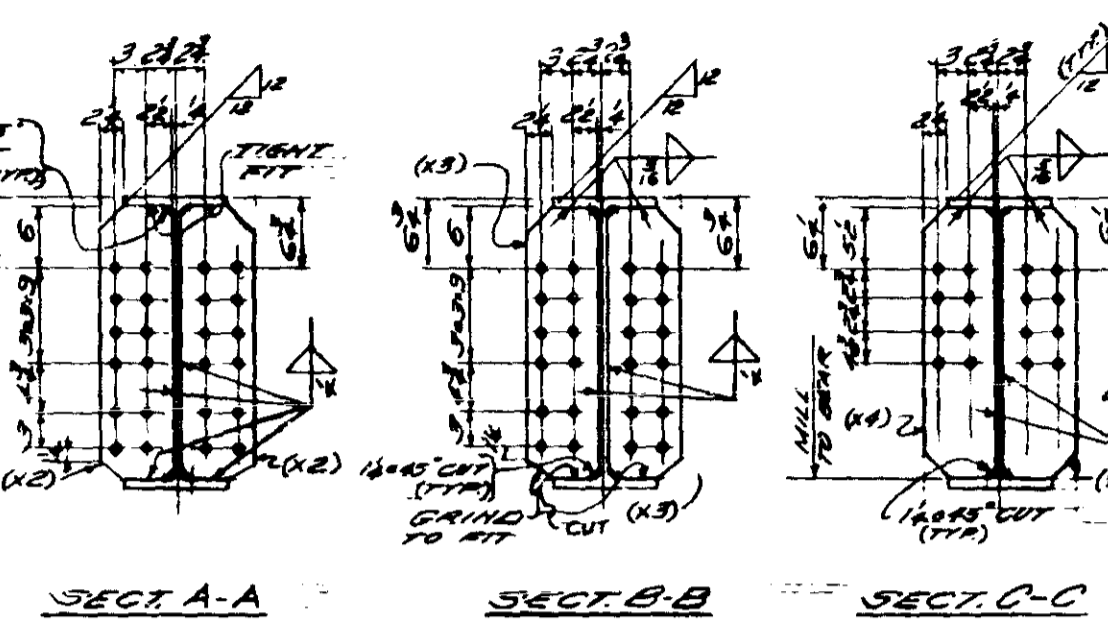
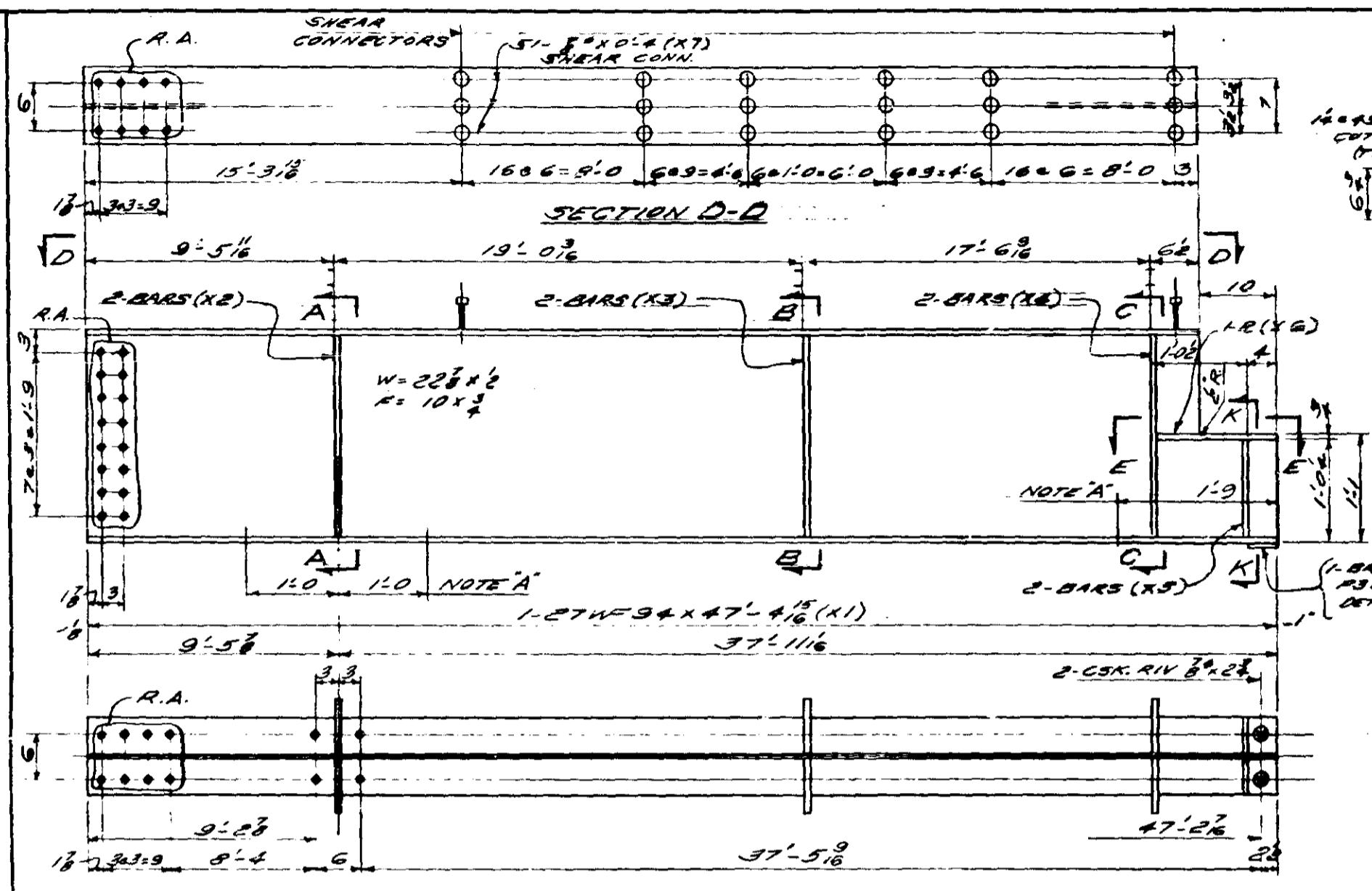
DIVISION #12
 MANHATTAN, MO.
 YES, SEE SHEET
 PAINT - SEE GN-1
 DRAWN BY: TFL
 DATE: 1-14-66
 CHECKED BY: K.L.K.
 DATE: 2-10-66

ALLIED STRUCTURAL STEEL COMPANY
 1100 15TH STREET, HARBING, INDIANA 46030

DETAILS OF: **STRINGERS - RR BRIDGE**
 STRUCTURE: **BRIDGE NO. 3380**
 LOCATION: **MINNESOTA, MINNESOTA**
 OWNER: **MINNESOTA STATE HIGHWAY DEPT.**
 CUSTOMER: **MINNESOTA STATE HIGHWAY DEPT.**

CONTRACT: **3142** FABCOD: **274** SHEET: **1201**

REV	DWG	NO	DATE	BY	CHKD
1	58				



NOTES:
 FOR GENERAL NOTES SEE GN-1.
 FOR MAT'L. SPEC'S. SEE BILL OF MAT'L.
 FOR INSPECTION OF WELDING SEE NOTE ON SHT. GN-1.

MINN. PROJ. NO. F-1635W-3(58)118
 STATE PROJ. NO. 2783-9340B (74-55W-394)

NO.	SHIP MK.	NO. REQ.	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	TOTAL WEIGHT
1								
2								
3								
4	AREA	2	STRINGERS			(31'x47'-3")		
5		2	27W 94	47 1/2	X1		59	89.3
6		4	2-BARS 7 1/2	2 1/2	X8			75
7		4	2-BARS 7 1/2	2 1/2	X8			75
8		4	2-BARS 7 1/2	2 1/2	X8	M.L.E.		160
9		4	2-BARS 7 1/2	2 1/2	X8	M.L.E.		29
10		2	27W 94	47 1/2	X1		59	68
11		2	27W 94	47 1/2	X1		59	68
12		2	27W 94	47 1/2	X1		59	68
13		4	CSR. RIV. 8"	2 1/2	X8			NC
14								
15		2	1/2" WLD.	2	X8			NC
16		2	1/2" WLD.	31	X8			NC
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30			STRINGER			(31'x47'-3")		
31			STRINGER			(31'x47'-3")		
32		2	27W 94	47 1/2	X1		59	89.3
33		4	2-BARS 7 1/2	2 1/2	X8			38
34		4	2-BARS 7 1/2	2 1/2	X8			38
35		4	2-BARS 7 1/2	2 1/2	X8	M.L.E.		38
36		4	2-BARS 7 1/2	2 1/2	X8	M.L.E.		50
37		4	2-BARS 7 1/2	2 1/2	X8	M.L.E.		50
38		4	2-BARS 7 1/2	2 1/2	X8	M.L.E.		29
39		2	27W 94	47 1/2	X1		59	68
40		2	27W 94	47 1/2	X1		59	68
41		2	27W 94	47 1/2	X1		59	68
42		4	CSR. RIV. 8"	2 1/2	X8			NC
43		2	1/2" WLD.	2	X8			NC
44		2	1/2" WLD.	31	X8			NC
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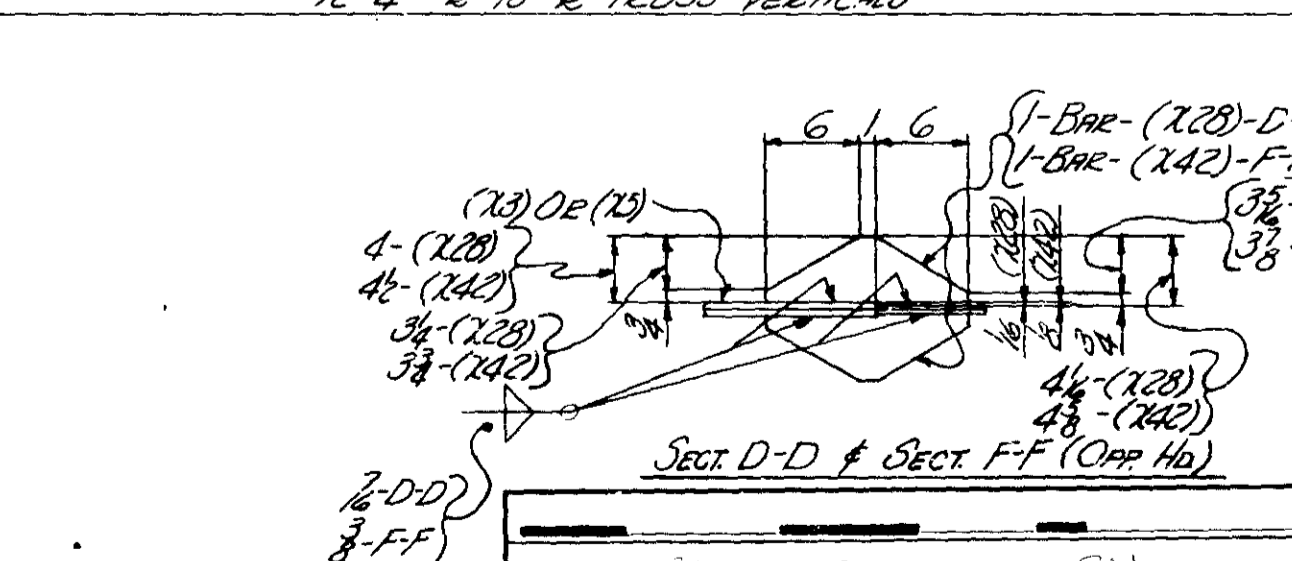
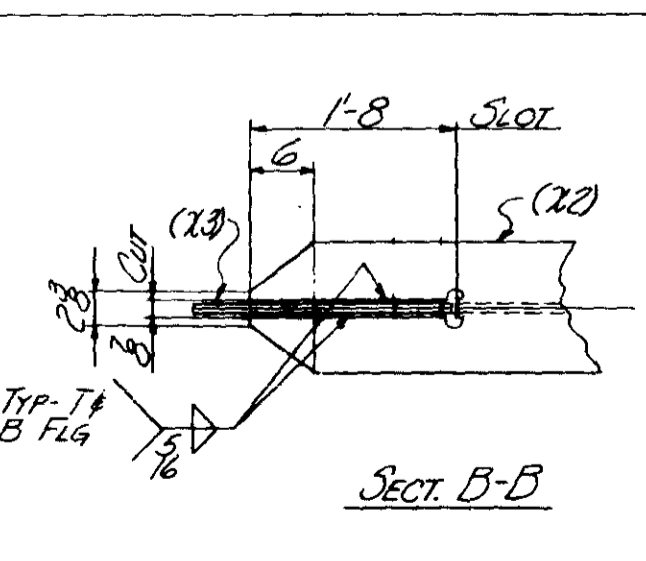
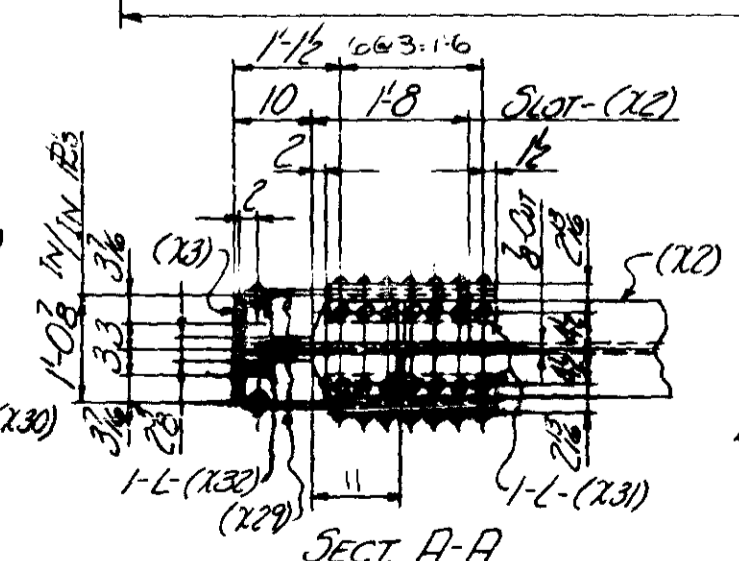
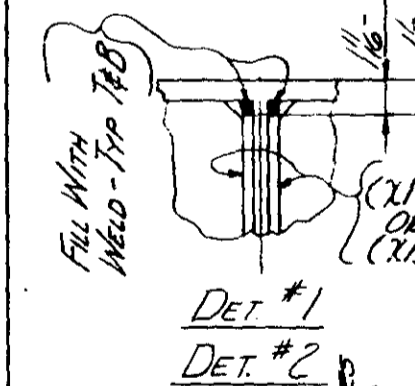
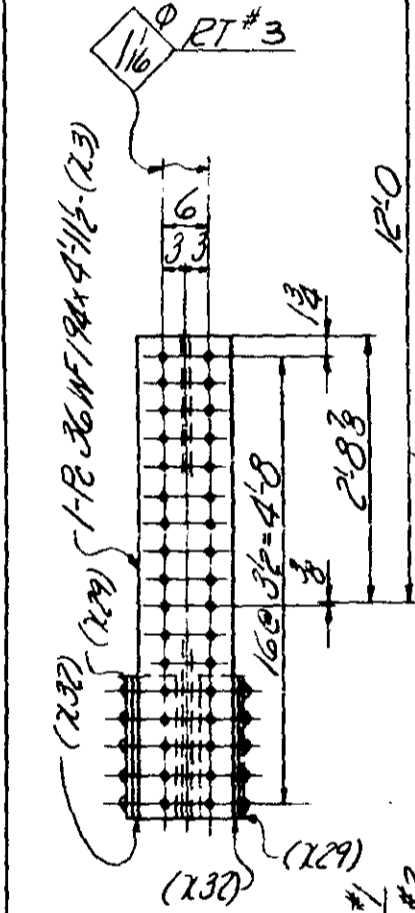
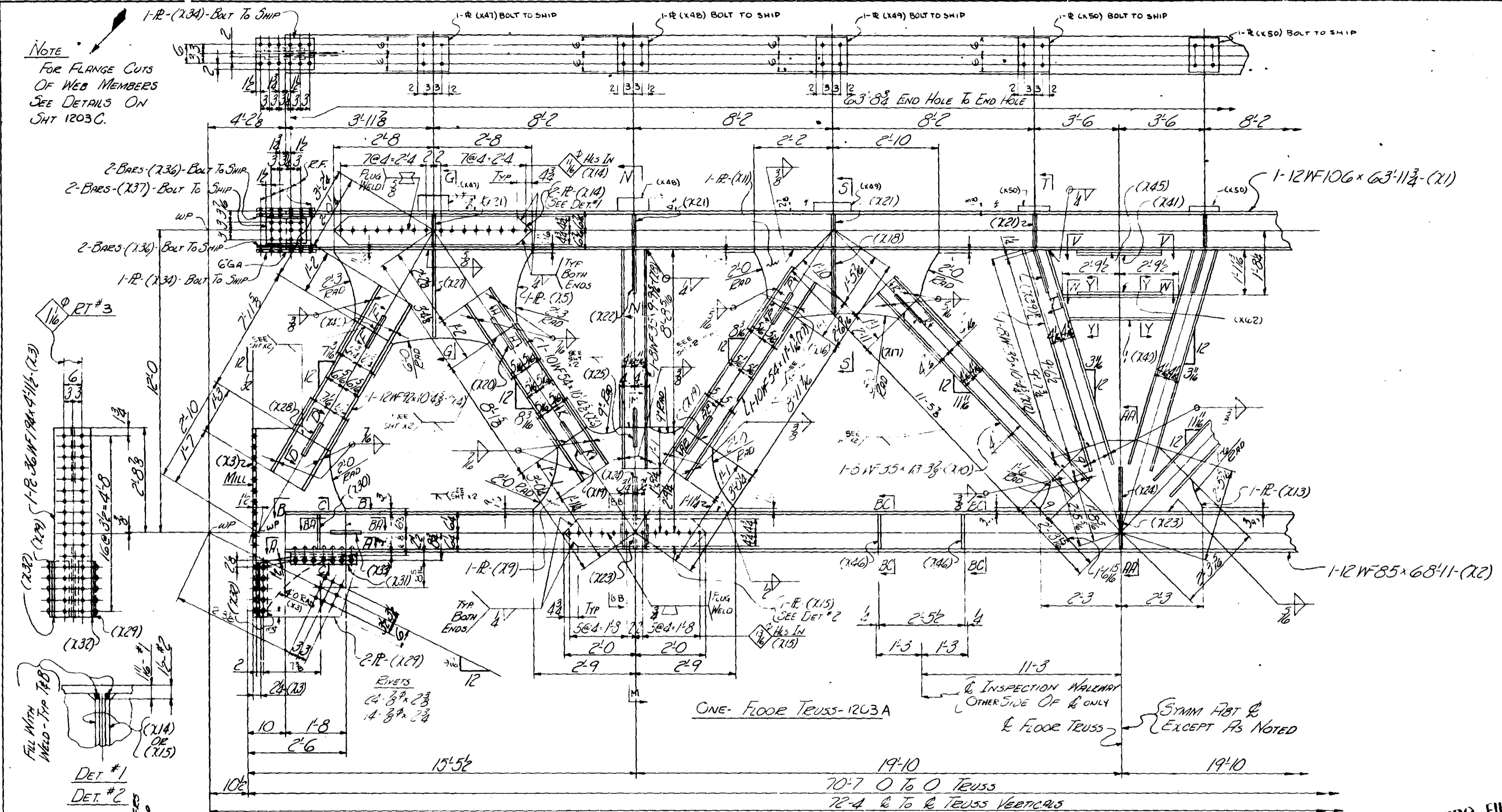
ALLIED STRUCTURAL STEEL COMPANY
 ENGINEERS FABRICATORS ERECTORS
 1615 TWIN STREET MINNEAPOLIS, MINN. 55403

DETAILS OF STRINGERS - R.F. U23 TO U24
 BRIDGE NO. 3940
 LOCATION: MINNEAPOLIS, MINNESOTA
 OWNER: MINNESOTA STATE HIGH. DEPT.
 CUSTOMER: MINNESOTA STATE

CONTRACT 3142 FABCOD 274 SHEET 1202

MICRO-FILMED

NOTE
 FOR FLANGE CUTS
 OF WEB MEMBERS
 SEE DETAILS ON
 SHT 1203C.

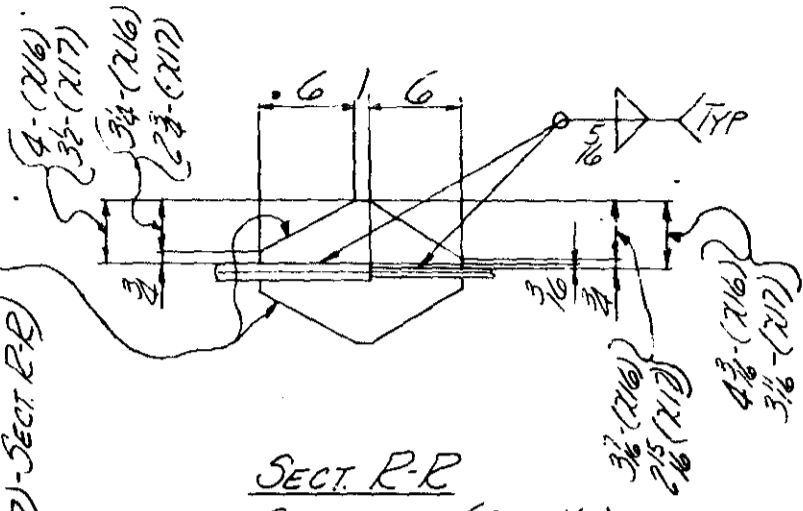


MICRO-FILMED

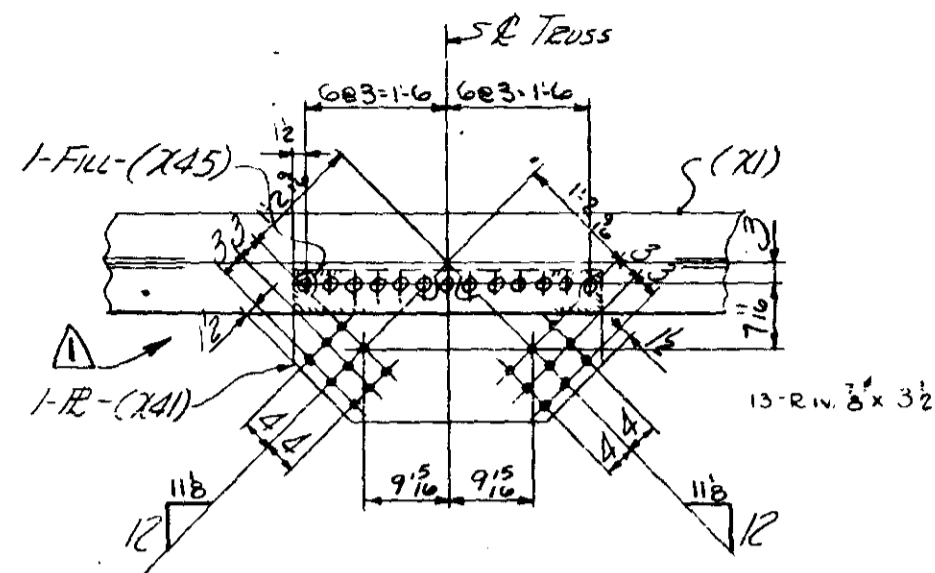
MINN. PRJ. NO. I-1635W-3(58)112
 STATE PROJ. NO. 2783-9340K (TH35W:354)

ALLIED		STRUCTURAL STEEL COMPANY	
ENGINEERS		FABRICATORS	
ARCHITECTS		ELECTRICAL	
DETAILS OF FLOOR TRUSS @ U23			
STRUCTURE BRIDGE No 9340			
LOCATION MINNEAPOLIS, MINN.			
OWNER MINN. STATE HWY DEPT			
CUSTOMER MINN. STATE HWY DEPT			
DRAWN BY	DATE	CHECKED BY	DATE
REVISIONS	1	2	3
CONTRACT	3142	FABCOD	244
SHEET		1203 AC	

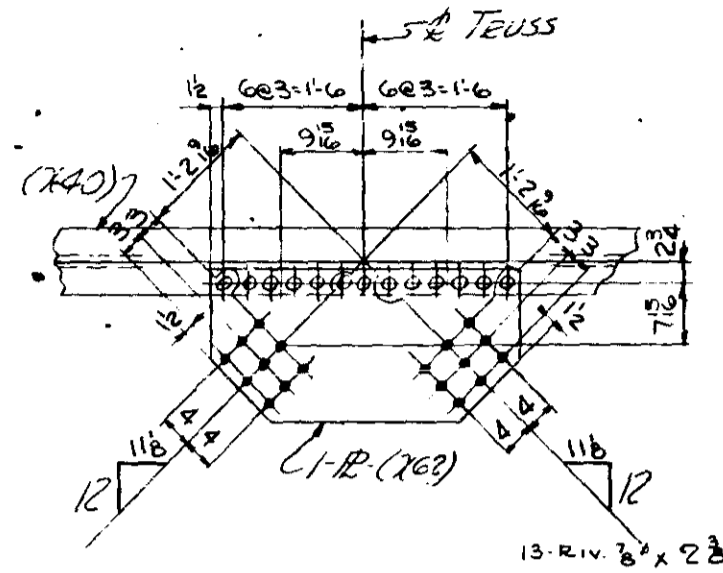
Fit Bars After Web Members Have Been Welded
 1-Bar (116) - Sect. P-P
 1-Bar (117) - Sect. E-E



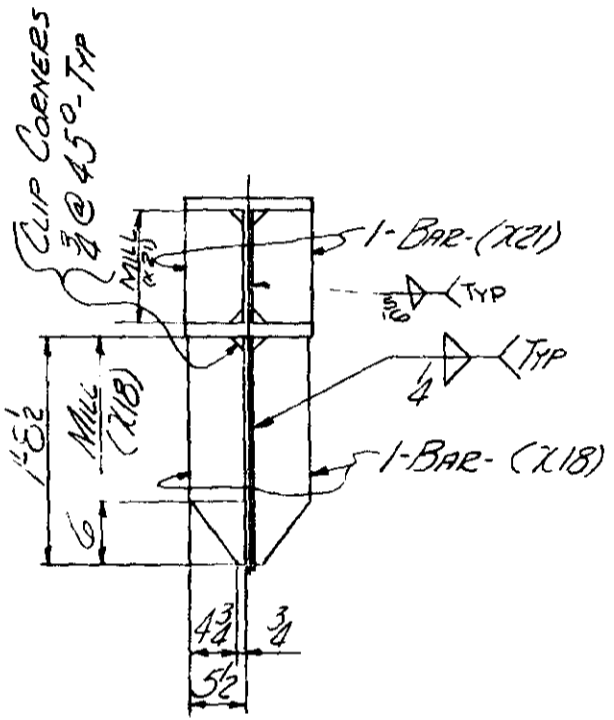
SECT. R-R
 SECT. P-P (Opp. Hd.)



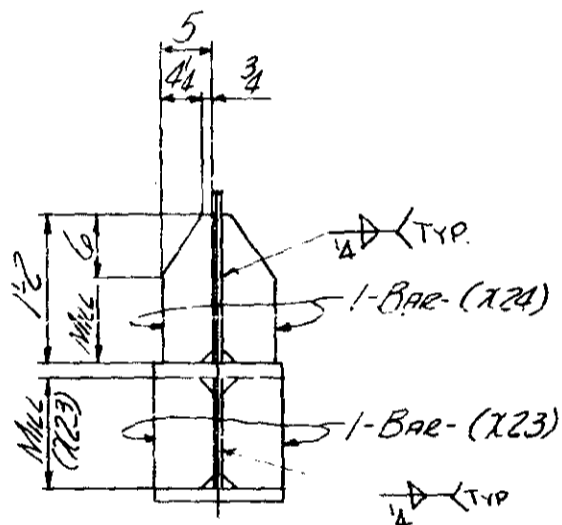
SECT. V-V



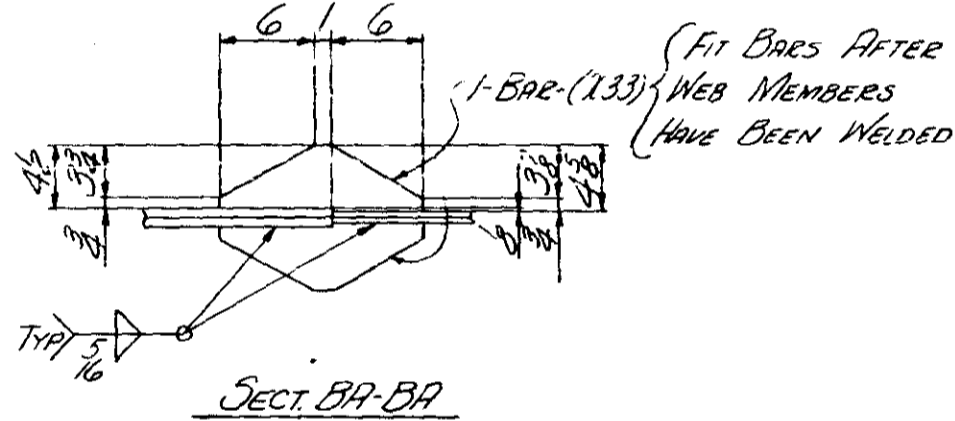
SECT. W-W



SECT. S-S

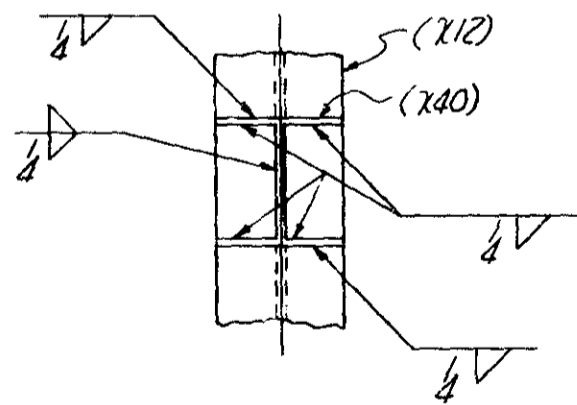


SECT. A-A

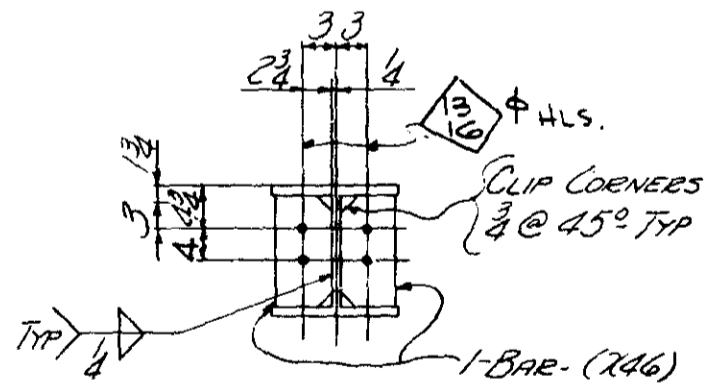


SECT. B-B

(Fit Bars After Web Members Have Been Welded)



SECT. Y-Y



SECT. C-C

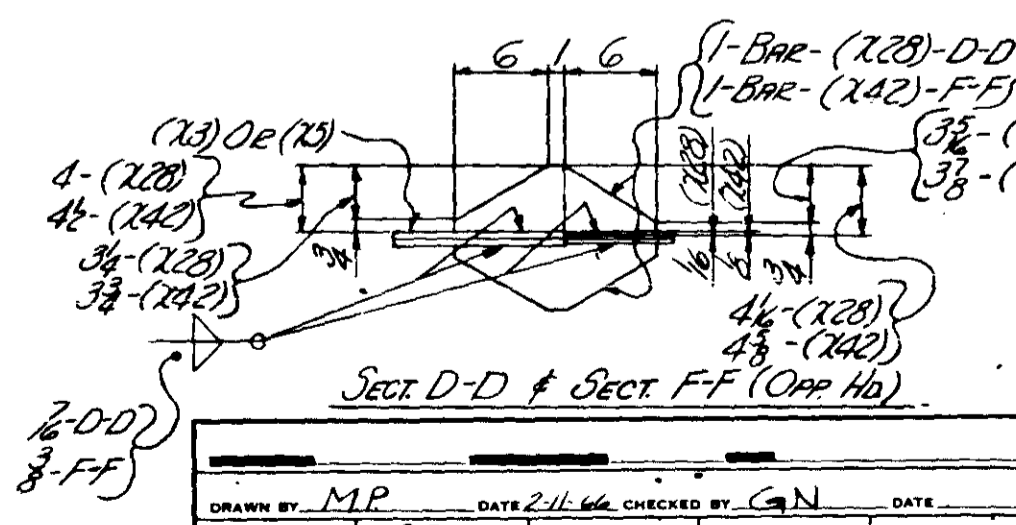
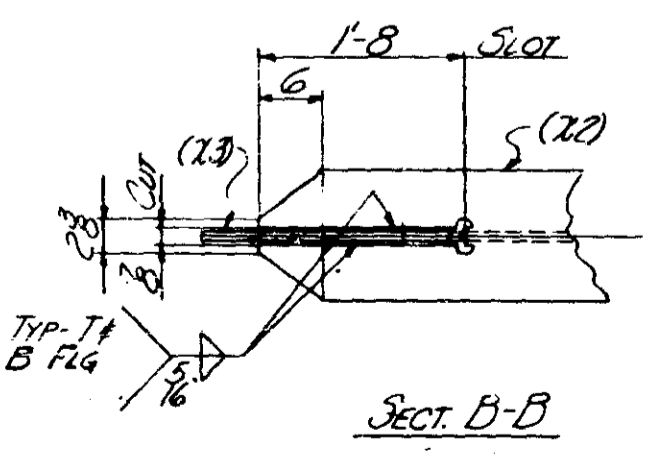
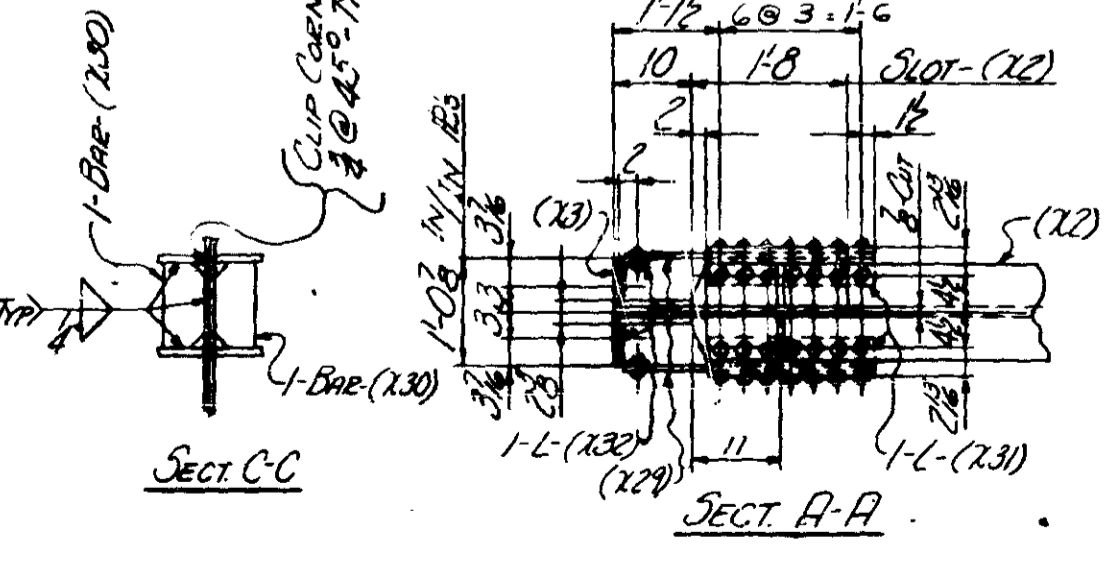
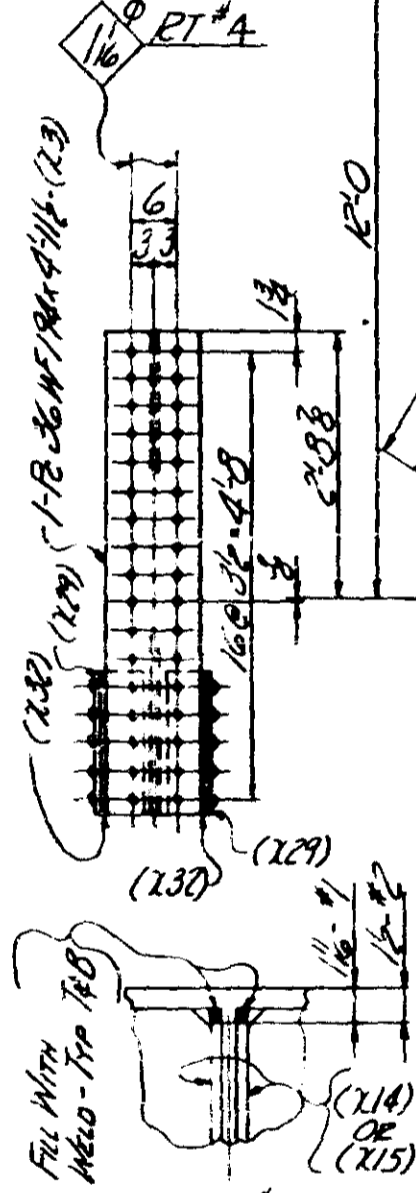
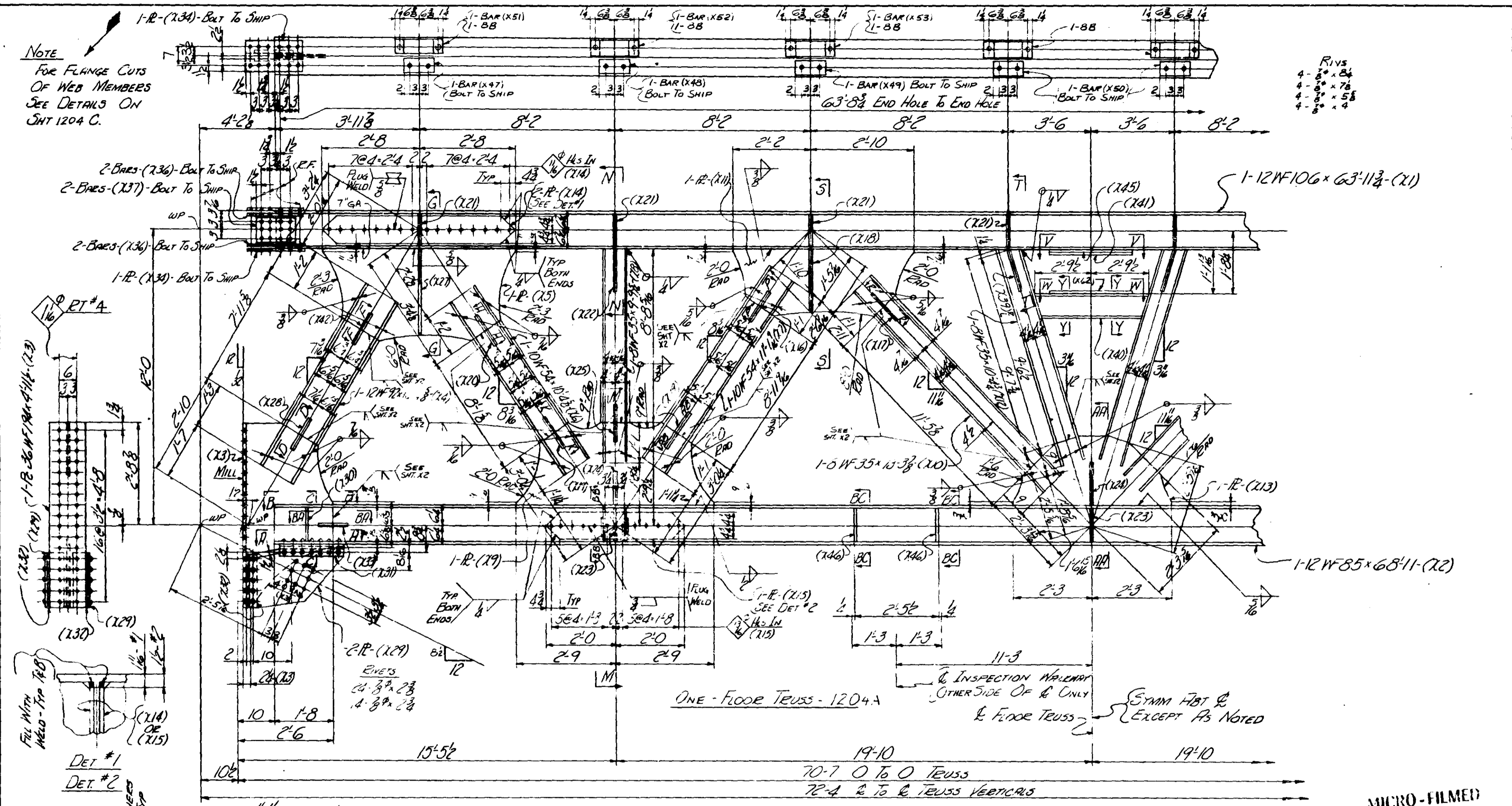
MICRO-FILMED

MINN. PROJ. No. I-1635W-3(58)112
 STATE PROJ. No. 2783-9340B (TH35W-39A)

ALLIED ENGINEERS FABRICATORS ERECTORS		STRUCTURAL STEEL COMPANY 1232 15TH STREET, HARMON, ILLINOIS 62240	
DETAILS OF FLOOR TRUSS @ U23			
STRUCTURE BRIDGE No. 9340			
LOCATION MINNEAPOLIS, MINN.			
OWNER MINN. STATE HWY. DEPT.			
CUSTOMER MINN. STATE HWY. DEPT.			
DRAWN BY	DATE	CHECKED BY	DATE
JA	2-8-66	GN	
REVISIONS	6/29/66		
CONTRACT	3142	FAB. NO.	244
		SHEET	1203 BC

NOTE
FOR FLANGE CUTS
OF WEB MEMBERS
SEE DETAILS ON
SHT 1204 C.

RIVS
4-5" x 2 1/2"
4-5" x 3"
4-5" x 5"
4-5" x 4"

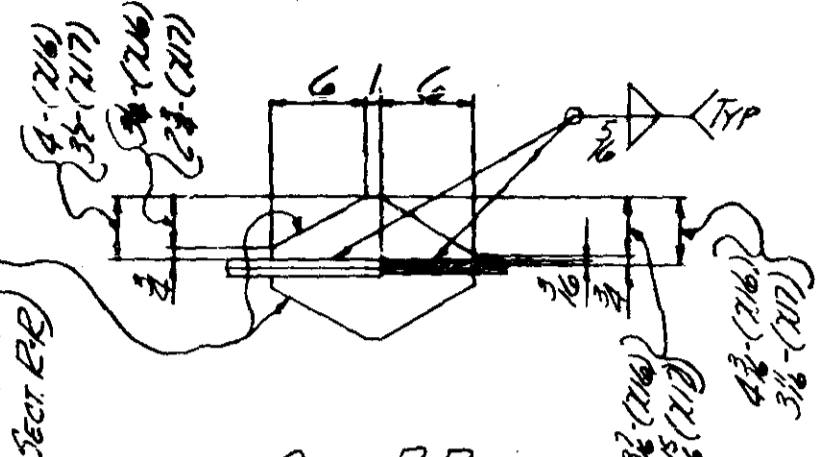


MICRO-FILMED

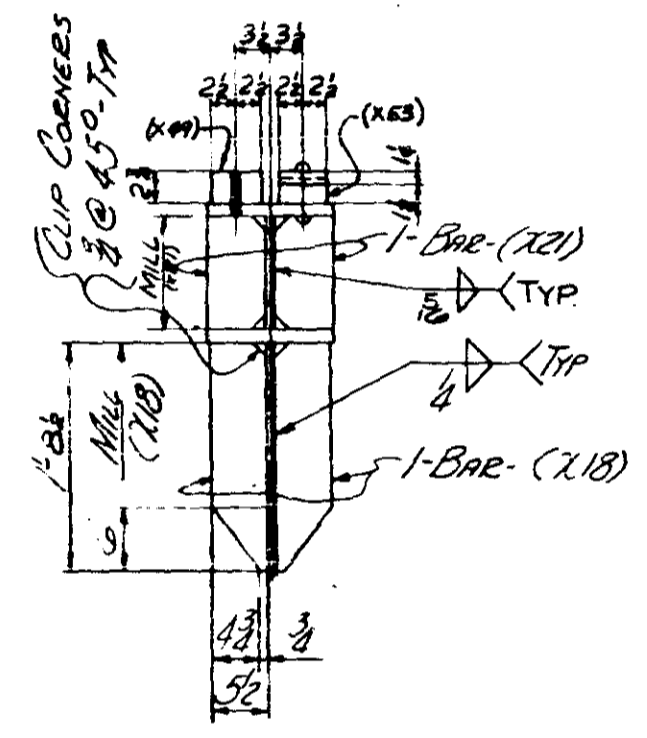
MINN. PROJ. NO. I-16 35W-3 (58) 112
STATE PROJ. NO. 2783-9340B (TH35W-394)

ALLIED LABORATORS ERECTORS		STRUCTURAL STEEL COMPANY 1425 TENTH STREET, HARBOR, MINN. 55404	
DETAILS OF FLOOR TRUSS @ U29			
STRUCTURE BRIDGE No. 9340			
LOCATION MINNEAPOLIS, MINN.			
OWNER MINN. STATE HWY. DEPT.			
CUSTOMER MINN. STATE HWY. DEPT.			
DRAWN BY M.P.		DATE 2-11-64 CHECKED BY C.N.	
REVISIONS	2-13-67 REM	△	△
CONTRACT 3142		FABCOO 244	
SHEET 1204A/C			

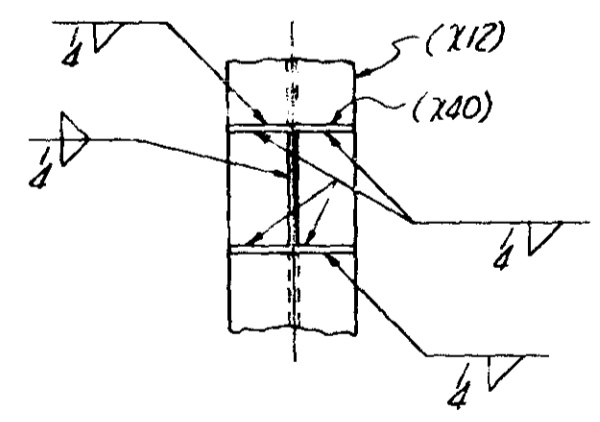
Fit Bars After Web Members Have Been Welded



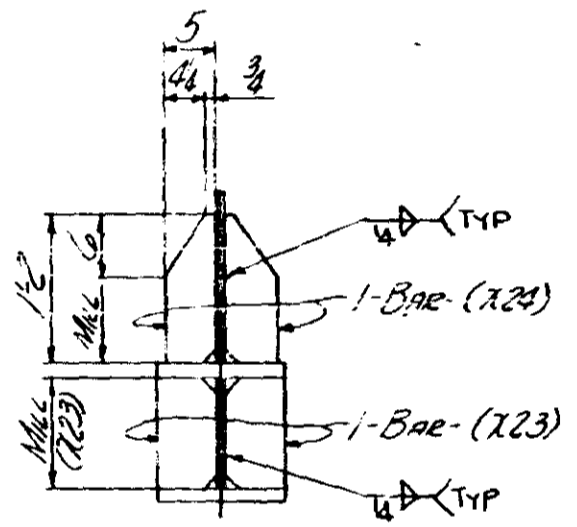
SECT. R-R
SECT. P-P (Opp. Ho.)



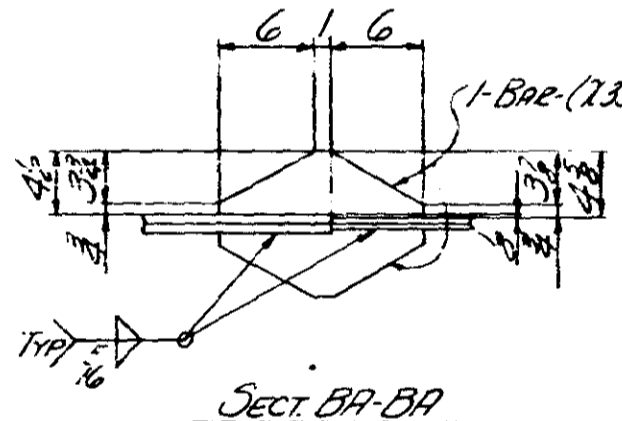
SECT. S-S



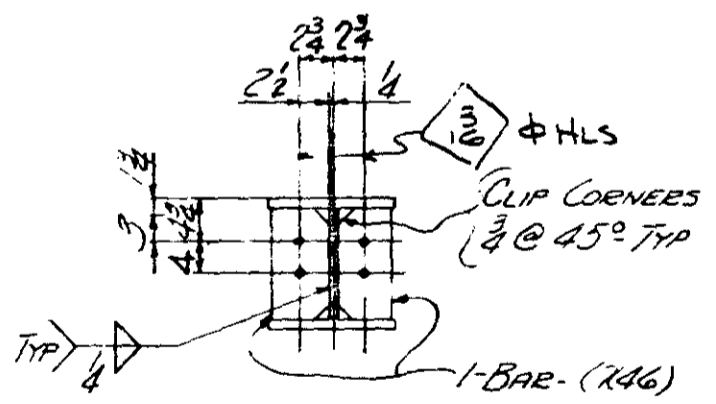
SECT. Y-Y



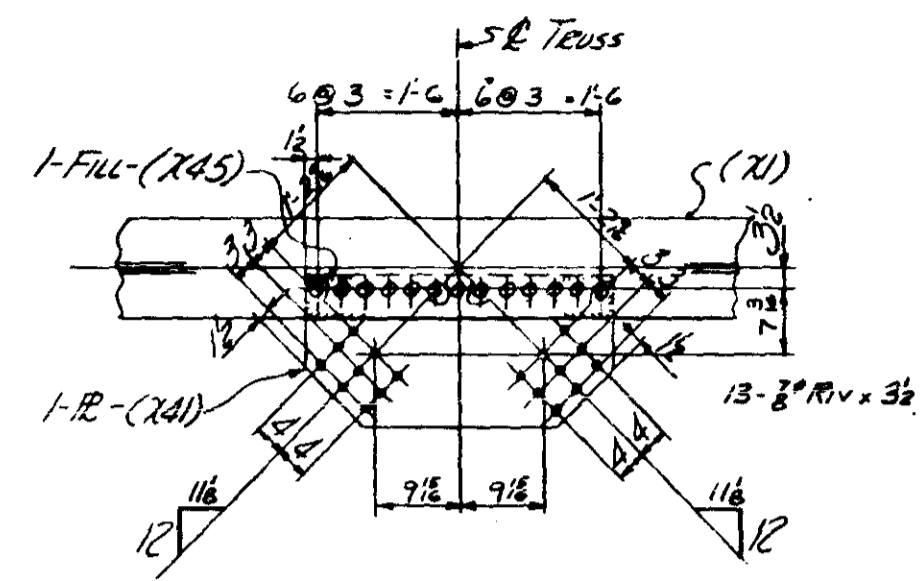
SECT. A-A



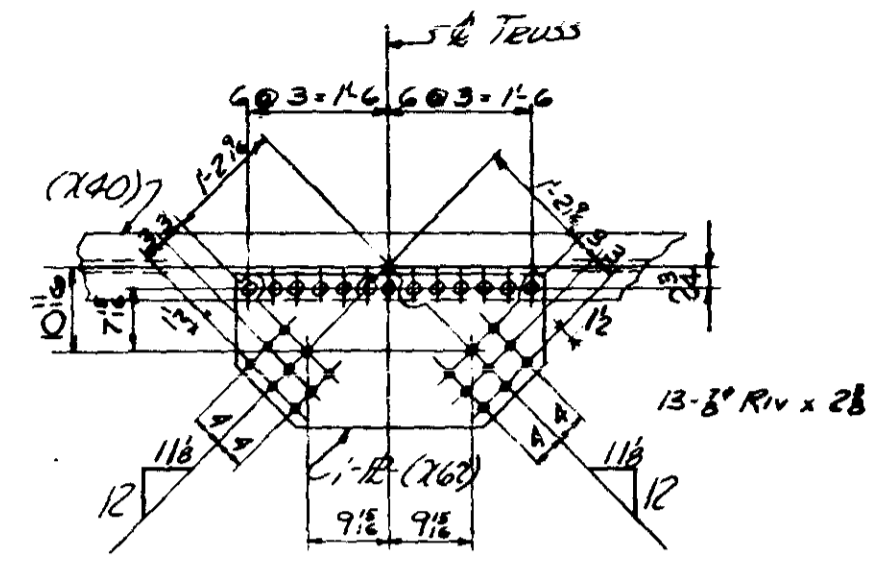
SECT. B-B



SECT. C-C



SECT. V-V



SECT. W-W

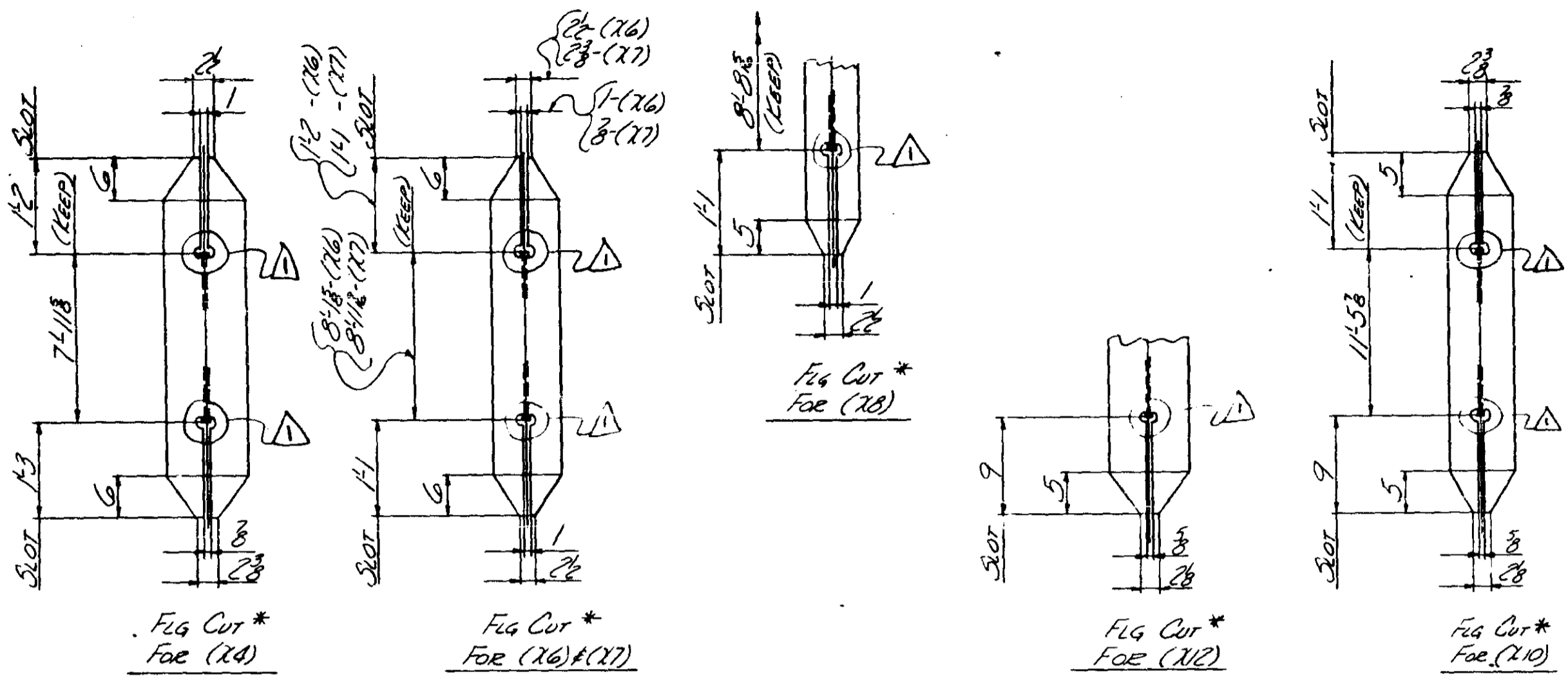
(Fit Bars After Web Members Have Been Welded)

MINN PROJ. NO. I-1635W-3(58)112
STATE PROJ. NO. 2783-93908 (TH35W-394)

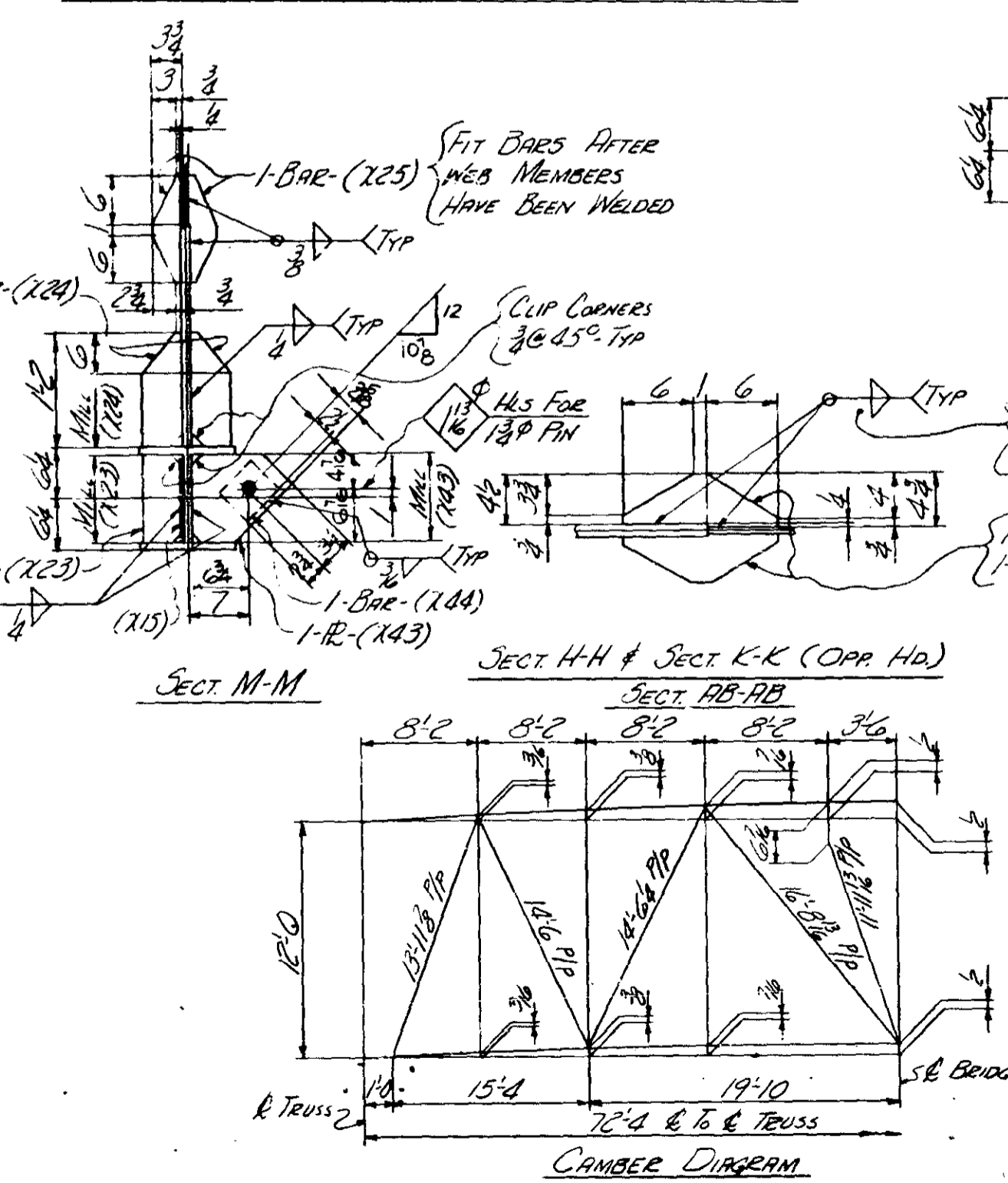
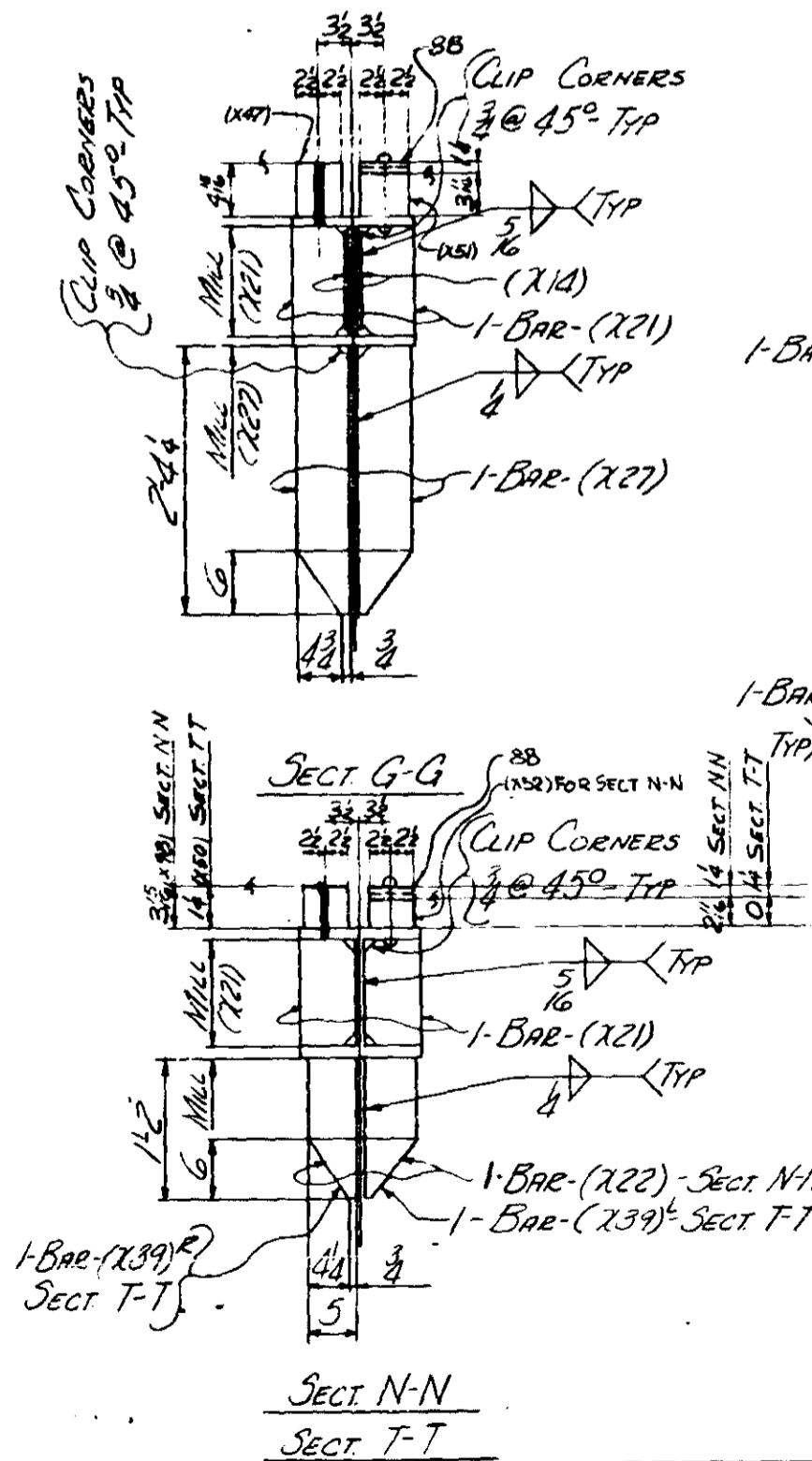
ALLIED		STRUCTURAL STEEL COMPANY	
400 WEST STREET MINNEAPOLIS, MINN.		1225 WEST STREET MINNEAPOLIS, MINN.	
DETAILS OF FLOOR TRUSS & U24.			
STRUCTURE BRIDGE NO. 9340			
LOCATION MINNEAPOLIS, MINN.			
OWNER MINN. STATE HWY DEPT.			
CUSTOMER MINN STATE HWY DEPT.			
CONTRACT	3142	FABCOD	244
SHEET	1204BC		

DRAWN BY	M.P.	DATE	2-11-66	CHECKED BY	GN	DATE	
REVISIONS	△	△	△	△	△	△	△

MICRO-FILMED



* SEE SHTS XI & X2 FOR BEVEL CUTS FOR WELDING



NO	REQ	SHAPE	LENGTH
72	1	1/2 WLD	7 2
74	1	1/2 WLD	140 0
75	1	1/2 WLD	128 0
76	1	1/2 WLD	115 0
77	1	1/2 WLD	79 0
78	1	1/2 WLD	21 6
79	1	1/2 WLD	20 10
80	1	1/2 WLD	3 10
81	4	8° Riv	0 84
82	4	8° Riv	0 78
83	4	8° Riv	0 78
84	72	SBO	

BID ITEM
59 = 23917

LINE	SHIP NO	NO REQ	SHAPE	LENGTH	PC NO	REMARKS	ITEM NO	TOTAL WEIGHT
1	1	1	12M106	63.113	21	SEE SHOTS XI & X2 FOR BEVEL CUTS FOR WELDING	59	3306
2	1	1	12M106	28 0			59	2968
3	1	1	12M65	17.118			59	2339
4	1	1	12M85	68.11	22	SEE SHOTS XI & X2 FOR BEVEL CUTS FOR WELDING	59	3682
5	1	1	12M65	45 8			59	756
6	1	1	12M65	11.72			59	1924
7	2	2	R 30 x 8	5 4	25		59	1911
8	2	2	R 30 x 8	5 4	25		59	952
9	2	2	R 30 x 8	5 4	25		59	1128
10	2	2	R 30 x 8	5 4	25		59	933
11	2	2	R 30 x 8	5 4	25		59	561
12	2	2	R 30 x 8	5 4	25		59	728
13	2	2	R 30 x 8	5 4	25		59	176
14	2	2	R 30 x 8	5 4	25		59	215
15	2	2	R 30 x 8	5 4	25		59	97
16	2	2	R 30 x 8	5 4	25		59	23
17	2	2	R 30 x 8	5 4	25		59	16
18	2	2	R 30 x 8	5 4	25		59	58
19	2	2	R 30 x 8	5 4	25		59	73
20	2	2	R 30 x 8	5 4	25		59	45
21	2	2	R 30 x 8	5 4	25		59	136
22	2	2	R 30 x 8	5 4	25		59	25
23	2	2	R 30 x 8	5 4	25		59	49
24	2	2	R 30 x 8	5 4	25		59	16
25	2	2	R 30 x 8	5 4	25		59	116
26	2	2	R 30 x 8	5 4	25		59	345
27	2	2	R 30 x 8	5 4	25		59	25
28	2	2	R 30 x 8	5 4	25		59	65
29	2	2	R 30 x 8	5 4	25		59	61
30	2	2	R 30 x 8	5 4	25		59	103
31	2	2	R 30 x 8	5 4	25		59	62
32	2	2	R 30 x 8	5 4	25		59	47
33	2	2	R 30 x 8	5 4	25		59	33
34	2	2	R 30 x 8	5 4	25		59	195
35	2	2	R 30 x 8	5 4	25		59	73
36	2	2	R 30 x 8	5 4	25		59	38
37	2	2	R 30 x 8	5 4	25		59	55
38	2	2	R 30 x 8	5 4	25		59	10
39	2	2	R 30 x 8	5 4	25		59	14
40	2	2	R 30 x 8	5 4	25		59	25
41	2	2	R 30 x 8	5 4	25		59	38
42	2	2	R 30 x 8	5 4	25		59	76
43	2	2	R 30 x 8	5 4	25		59	143
44	2	2	R 30 x 8	5 4	25		59	115
45	2	2	R 30 x 8	5 4	25		59	82
46	2	2	R 30 x 8	5 4	25		59	39
47	2	2	R 30 x 8	5 4	25		59	165
48	2	2	R 30 x 8	5 4	25		59	122
49	2	2	R 30 x 8	5 4	25		59	70
50	2	2	R 30 x 8	5 4	25		59	3306

SHOP NOTE

FOR GEN. NOTES SEE SHOT GNI
FOR MATL. SPECS SEE BILL OF MATL.
FOR X-RAY IDENT. NO SEE SHOT W1
FOR INSPECTION OF WELDING SEE
NOTE ON SHOT GNI-1.
FOR WELD SEQUENCE AND WELD-
ING OF WEB MEMBERS SEE
SHOTS XI & X2

MINN. PROJ. NO. I-1635N-3(58)112
STATE PROJ. NO. 2783-9340B(TH35N-39A)

ALLIED STRUCTURAL STEEL COMPANY
1100 13TH STREET, MINNEAPOLIS, MINN.

DETAILS OF FLOOR TRUSS @ U24
STRUCTURE: BRIDGE No. 7340
LOCATION: MINNEAPOLIS, MINN.
OWNER: MINN. STATE HWY DEPT.
CUSTOMER: MINN. STATE HWY DEPT.

CLINTON FAB. MILWAUKEE, WIS.

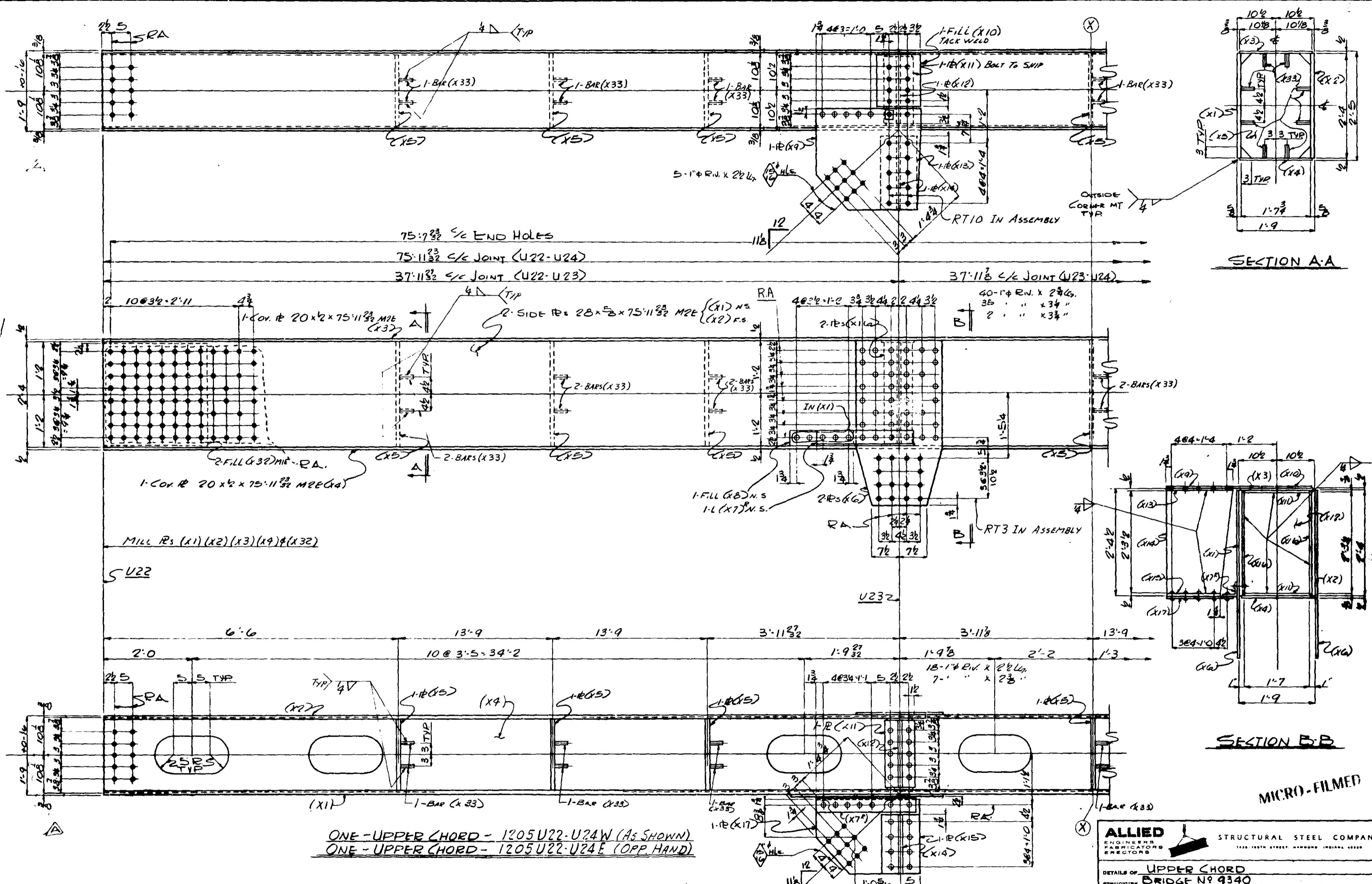
OPEN HOLES: 1/2" DIA. RIVETS & BOLTS: 3/8" PAINT: YES, SEE SHOT GNI

DRAWN BY: MP DATE: 2-11-66 CHECKED BY: GN DATE: _____

REVISIONS:

1	2-13-67	△	△	△
2	KEM	△	△	△

CONTRACT: 3142 FABCOD: 244 SHEET: 1204 C



SECTION A-A

SECTION B-B

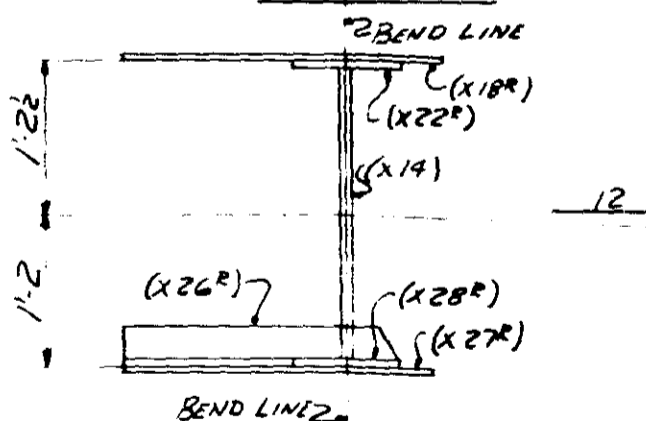
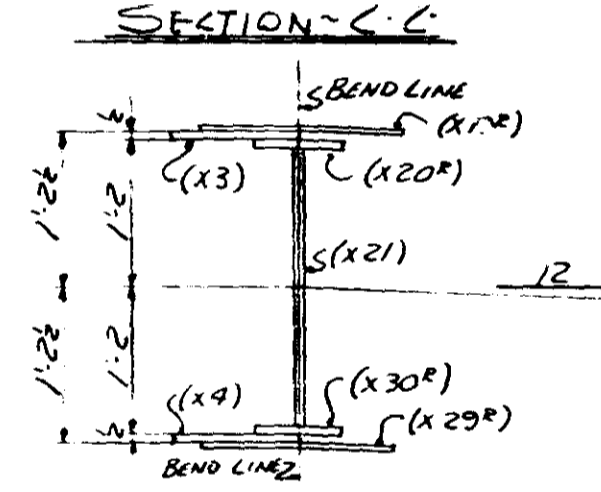
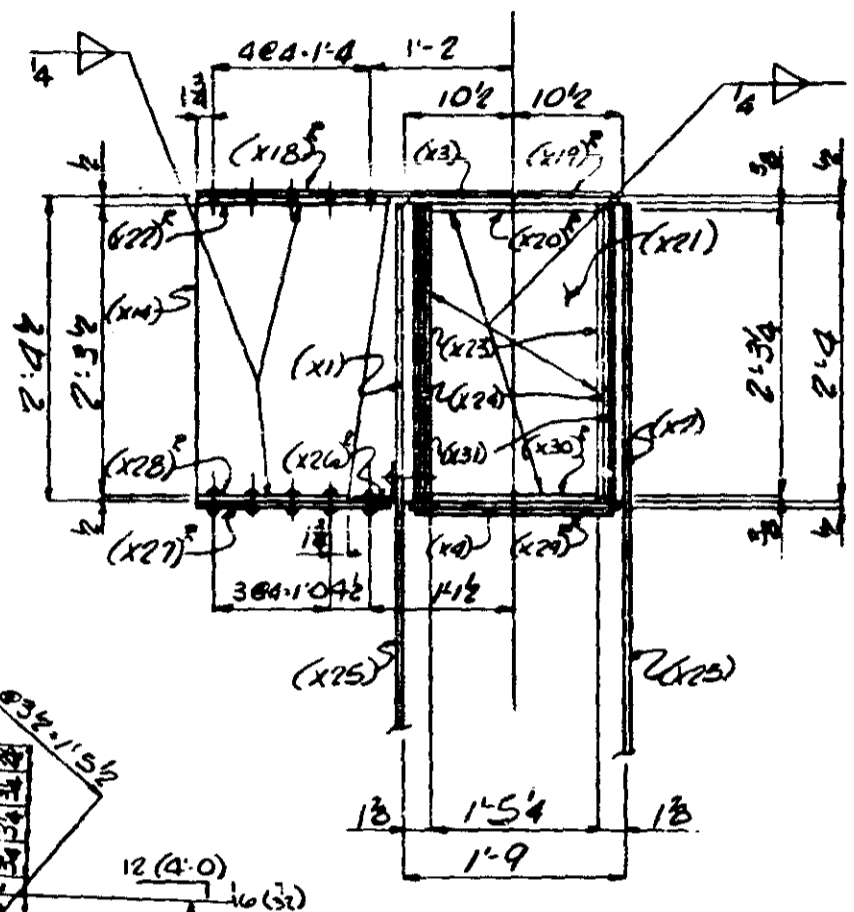
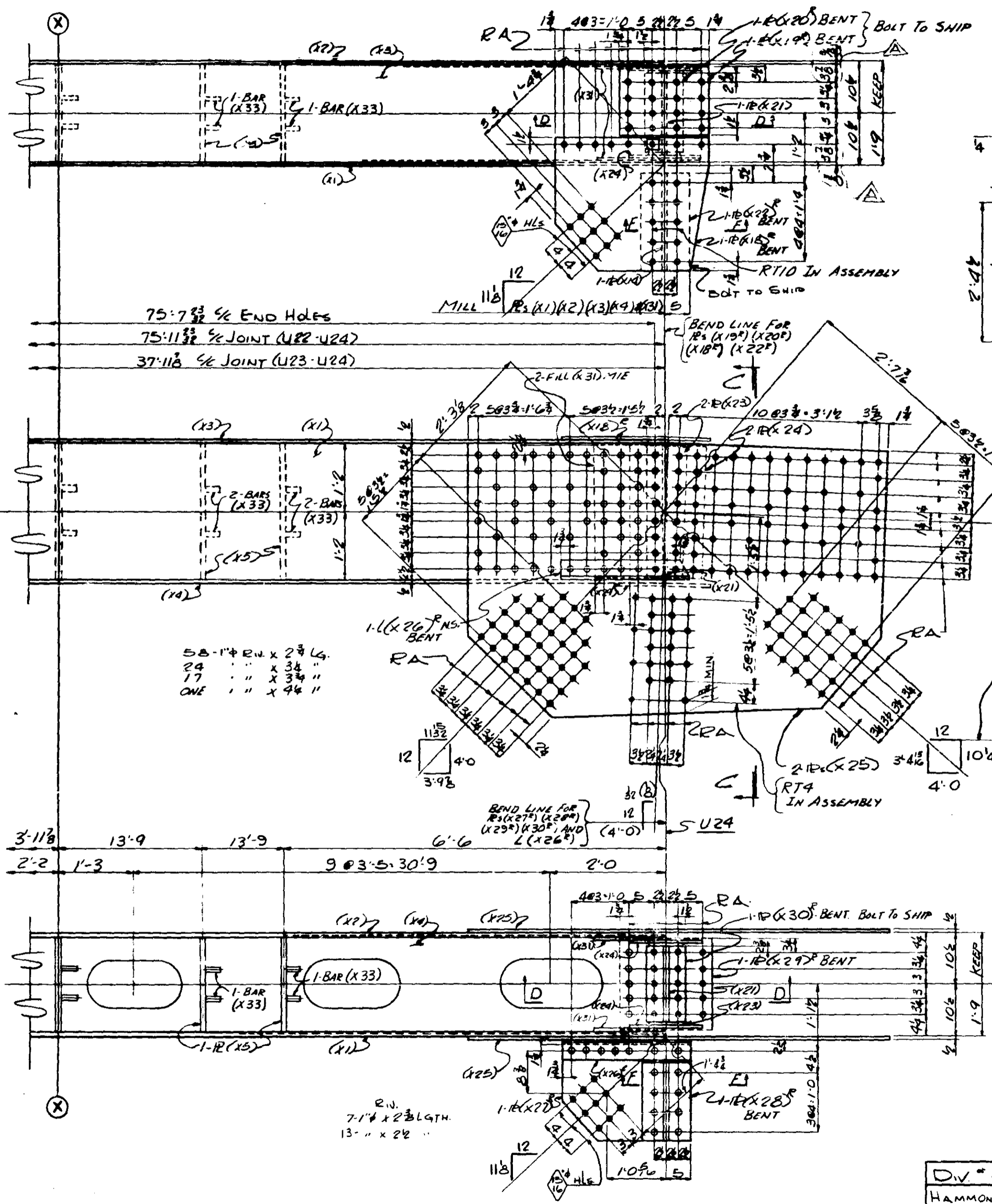
MICRO-FILMED

ONE - UPPER CHORD - 1205 U22-U24W (AS SHOWN)
 ONE - UPPER CHORD - 1205 U22-U24E (OPP. HAND)

MINN. PROJ. NO. 11635W-3 (58)112
 STATE PROJ. NO. 2783-9340B (TH35W394)

DIV. # 12	OPEN HOLES 11/8"	RIVETS & BOLTS 1" φ	PAINT YES SEE SMT GNI
HAMMOND FAB.	DRAWN BY N.N.	DATE 2-1-66	CHECKED BY H.M.H. DATE 3-2-66
REV. DWG E17	REVISIONS	11/21/66	12

ALLIED ENGINEERS FABRICATORS ERECTORS			STRUCTURAL STEEL COMPANY 1400 16TH STREET, HARBOR, INDIANA 46320		
DETAILS OF UPPER CHORD					
STRUCTURE BRIDGE NO. 9340					
LOCATION MINNEAPOLIS, MINNESOTA					
OWNER MINNESOTA STATE HWY. DEPT.					
CUSTOMER MINNESOTA STATE HWY. DEPT.					
CONTRACT 3142		FABCODE 215		SHEET 1205AD	



SHOP NOTE
 FOR GENERAL NOTES SEE
 SHT. # G-1
 FOR MAT'L SPECS. SEE
 BILL OF MAT'L.
 FOR INSPECTION OF WELDS. SEE SHT G-1

MINN. PROJ. NO I-16 35W-3 (58) 112
 STATE PROJ. NO 2783-9340B (TH 35W-394)

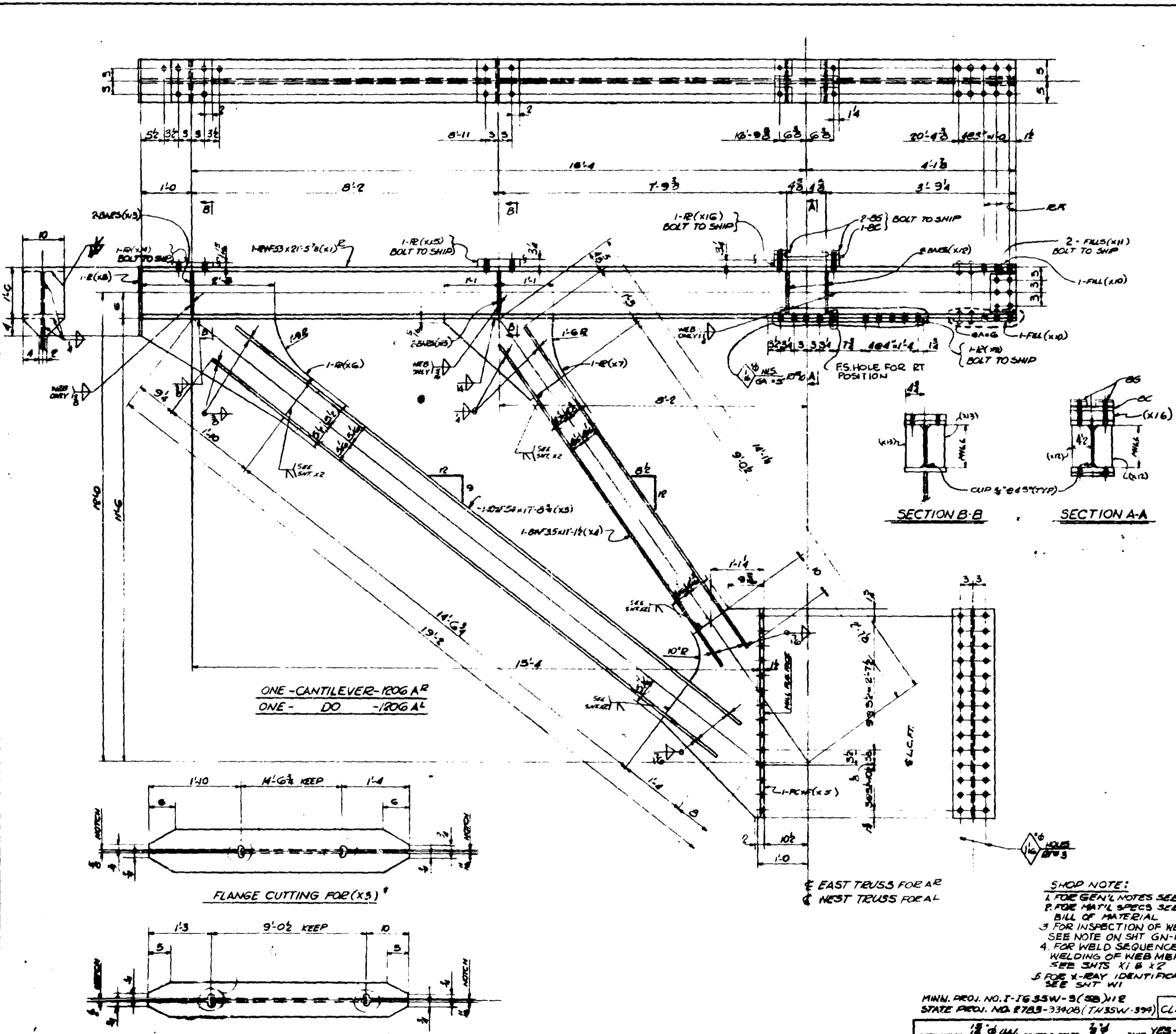
LINE	SHIP NO.	NO. REQ.	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	BID ITEM	TOTAL	AMOUNT
1										
2			UPPER CHORD	1205		UPPER CHORD	1205	564	775	
3			UPPER CHORD	1205		UPPER CHORD	1205	564	775	
4										
5										
6										
7										
8										
9										
10										
11										
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ALLIED STRUCTURAL STEEL COMPANY
 1215 15TH STREET S.W. MINNEAPOLIS, MINN. 55402

DETAILS OF: **UPPER CHORD U22-U24**
 STRUCTURE: **BRIDGE NO 9340**
 LOCATION: **MINNEAPOLIS, MINNESOTA**
 OWNER: **MINNESOTA STATE HWY. DEPT.**
 CUSTOMER: **MINNESOTA STATE HWY. DEPT.**

CONTRACT 3142 FARCOD 215 SHEET 1205B

DIV #12	OPEN HOLES 1/16" UN. RIVETS & BOLTS. 1" PH. PAINT YES. SEE SHT G-1
HAMMONO FAB	DRAWN BY: N.N. DATE 2-1-66 CHECKED BY: H.M.H. DATE 3-2-66
REF DWG. E14	REVISIONS



5'-0" SHOP DIM.
AND LOST
16 28

ONE - CANTILEVER - 1206A^R
ONE - DO - 1206A^L

FLANGE CUTTING FOR (X3)

FLANGE CUTTING FOR (X4)

* SEE SMT X1 & X2 FOR BEVEL CUTS FOR WELDING

SECTION B-B SECTION A-A

SHOP NOTE:
1. FOR GEN'L NOTES SEE GN
2. FOR MAT'L SPECS SEE
BILL OF MATERIAL
3. FOR INSPECTION OF WELDING
SEE NOTE ON SMT GN-1
4. FOR WELD SEQUENCE AND
WELDING OF WEB MEMBERS
SEE SMTS X1 & X2
5. FOR X-BAY IDENTIFICATION
SEE SMT W1

QTY	SHIP NO.	NO. FOR	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	TOTAL WEIGHT	NET WEIGHT
1									
2									
3									
4	1206A	1	CANTILEVER	(16B) (16)					
5	1206A	1	DO	(16B) (16)					
6									
7									
8									
9	2	12W53	21 5/8 X 1 1/2				59	2278	2806
10									
11	2	10W50	17 1/2 X 5					1915	
12	2	8W35	11 1/8 X 4					779	
13	2	12W100	4 7/8 X 5					882	
14	2	12W100	4 7/8 X 5					260	
15	2	12W100	4 7/8 X 5					115	
16	2	12W100	4 7/8 X 5					39	
17	2	12W100	4 7/8 X 5					176	
18	4	12W100	4 7/8 X 5						
19	4	12W100	4 7/8 X 5						
20	8	BAR 14-2	0 10 X 2					55	3306
21	8	BAR 14-2	0 10 X 2					59	
22	2	10X 1 3/4	0 10 X 1 3/4					110	
23	2	10X 3/4	0 10 X 3/4					191	
24	2	10X 3/4	0 10 X 3/4					292	
25									
26	3	R							
27	2	R							
28									
29	2	WLD	21 0						NC
30	2	WLD	3 4						
31	2	WLD	23 0						
32	2	WLD	16 4						
33	2	WLD	0 5 2						
34	16	8" TV							
35	16	8" S.B.							
36									
37									
38									
39									
40	4	FILLS 10-16	0 9				59	6	3351
41									
42									
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69									
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71									

BID ITEM 59 = 7160

SHOWN FILLED

MINN. PROJ. NO. T-76 33W-3 (28) V12
STATE PROJ. NO. 2723-33408 (7435W-394) CLINTON PMS

OPEN HOLES 1 1/2" DIA. RIVETS & BOLTS 3/4" PAINT YES-SEE SHOP DIM!

DRAWN BY: [Signature] DATE: 2/22/66 CHECKED BY: GN DATE: []

REVISIONS: [] 6/29/66 [] 8-13-67 [] R.G.M. [] []

CONTRACT 31- [] FABRICATED BY [] SHEET 1

ALLIED STRUCTURAL STEEL COMPANY
FABRICATORS & ERECTORS
1425 15TH STREET, BARRABEE, MINN. 55002

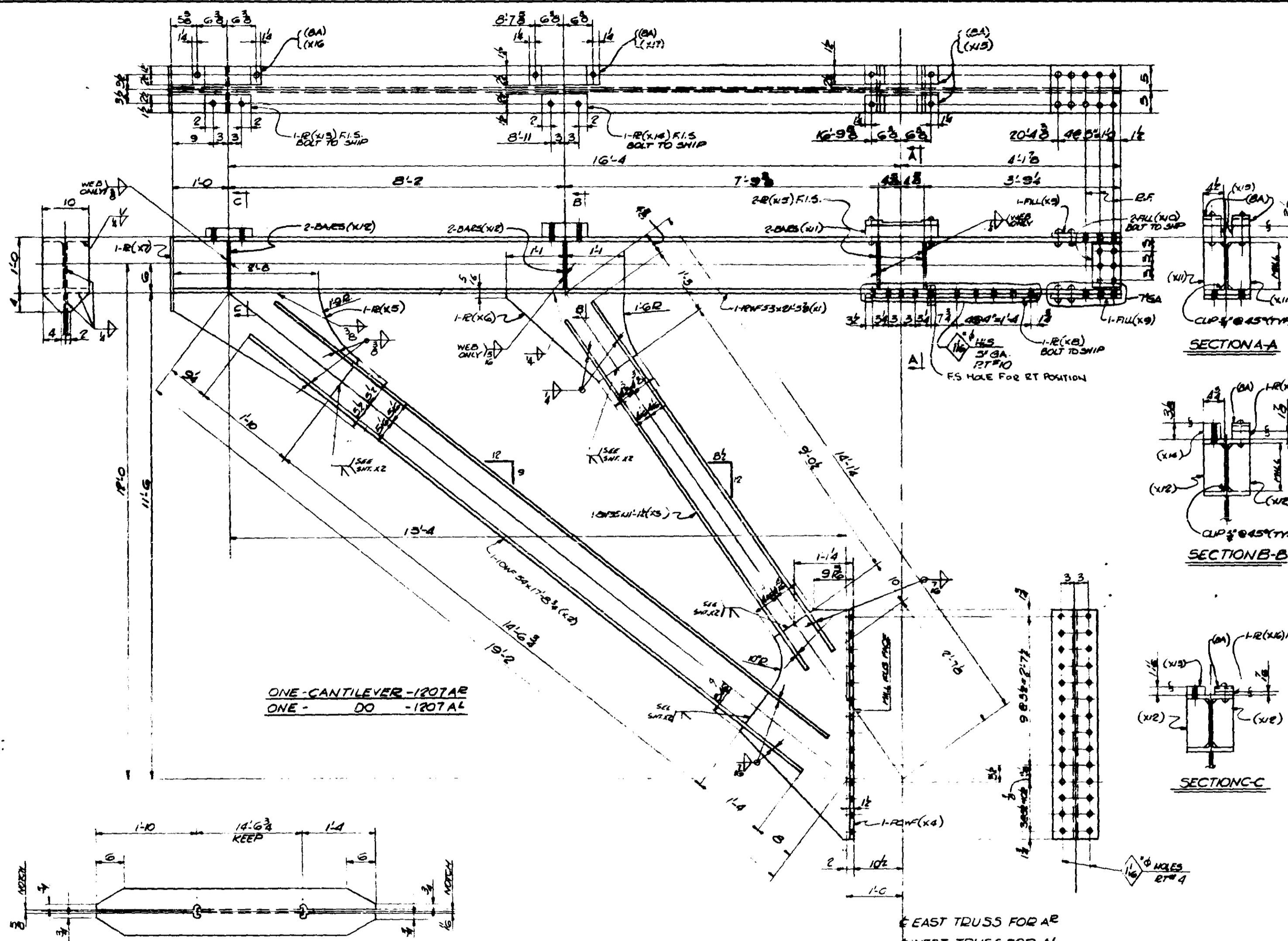
DETAILS OF: CANTILEVER @ FT 22

STRUCTURE: []

LOCATION: []

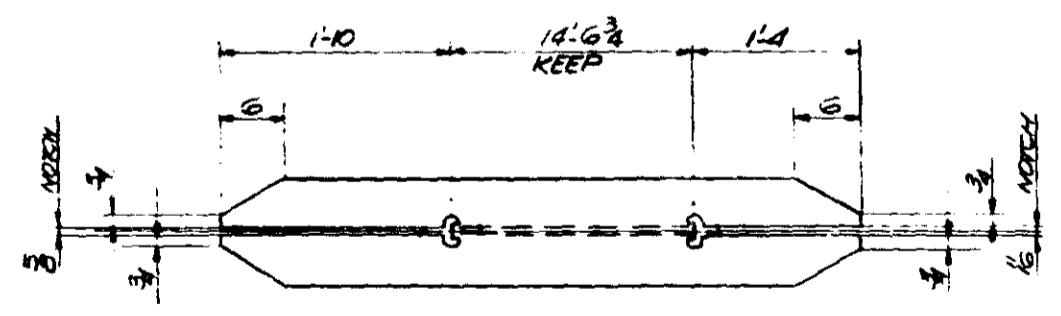
OWNER: []

CUSTOMER: []

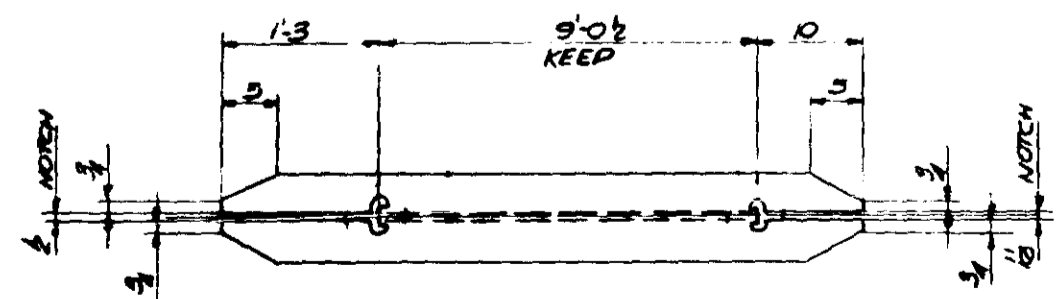


NO	LENGTH
4	4
4	5.8
8	7.0
16	2.8

ONE-CANTILEVER-120TAL
ONE - DO - 120TAL

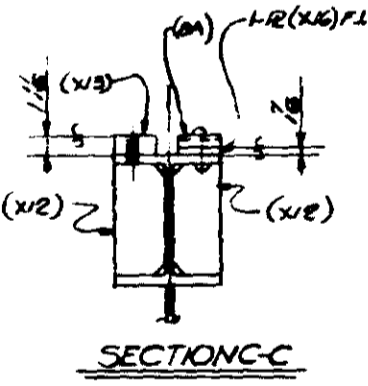
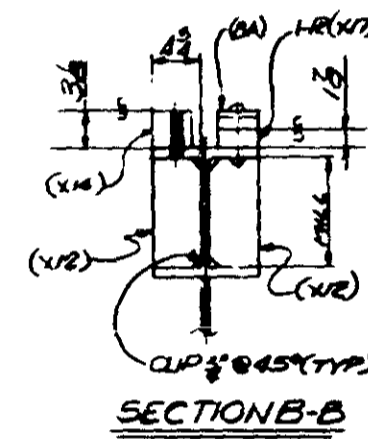
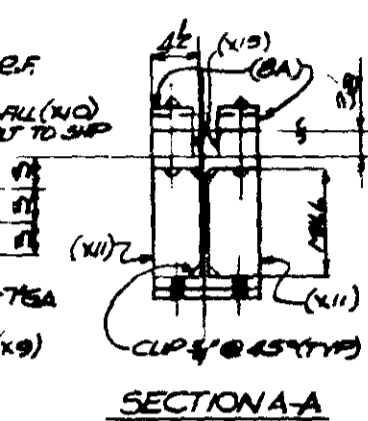


FLANGE CUTTING FOR (X2) *



FLANGE CUTTING FOR (X3) *

* SEE SHTS. X1 & X2 FOR BEVEL CUTS FOR WELDING



- SHOP NOTE:
- 1) FOR GEN. NOTES SEE GVI
 - 2) FOR MAT'L SPECS SEE BILL OF MATERIAL
 - 3) FOR INSPECTION OF WELDS SEE NOTE ON SHIT GVI
 - 4) FOR WELD SEQUENCE AND WELDING OF WEB MEMBERS SEE SHTS X1 & X2
 - 5) FOR X-RAY IDENTIFICATION NUMBER SEE SHIT 'W1'

NO	QTY	SHAPE	LENGTH	PC	REMARKS	TOTL WT	NET WT
1							
2							
3	2	12W53	21.5	X1		457	59
4	2	10W54	17.0	X2		350	1915
5	2	8W55	11.18	X3		207	77
6	2	PC 30W108	4.1	X4		1400	272
7	2	PC 25W108	3.44	X5		1400	268
8	2	PC 19W108	2.48	X6		1400	113
9	2	PC 10W108	1.4	X7		1400	34
10	2	PC 10W108	3.58	X8	U.M.	1400	176
11	4	PC 10W108	1.3	X9	NO PAINT ITEM		
12	4	PC 10W108	0.9	X10	NO PAINT ITEM		
13	8	BAE 4W108	0.10	X11	M.P.E.	452	55
14	8	BAE 4W108	0.10	X12	M.P.E.	452	59
15	2	PC 4W108	0.10	X13	F.I.S.	452	41
16	2	PC 4W108	0.10	X14	F.I.S.	452	76
17	4	PC 4W108	1.3	X15	F.I.S.	452	233
18	2	PC 4W108	1.3	X16	F.I.S.	452	19
19	2	PC 4W108	1.3	X17	F.I.S.	452	69
20	2	PC 4W108	1.3	X18	F.I.S.	452	
21	2	PC 4W108	1.3	X19	F.I.S.	452	
22	2	PC 4W108	1.3	X20	F.I.S.	452	
23	2	PC 4W108	1.3	X21	F.I.S.	452	
24	2	PC 4W108	1.3	X22	F.I.S.	452	
25	2	PC 4W108	1.3	X23	F.I.S.	452	
26	2	PC 4W108	1.3	X24	F.I.S.	452	
27	2	PC 4W108	1.3	X25	F.I.S.	452	
28	2	PC 4W108	1.3	X26	F.I.S.	452	
29	2	PC 4W108	1.3	X27	F.I.S.	452	
30	2	PC 4W108	1.3	X28	F.I.S.	452	
31	2	PC 4W108	1.3	X29	F.I.S.	452	
32	2	PC 4W108	1.3	X30	F.I.S.	452	
33	2	PC 4W108	1.3	X31	F.I.S.	452	
34	2	PC 4W108	1.3	X32	F.I.S.	452	
35	2	PC 4W108	1.3	X33	F.I.S.	452	
36	2	PC 4W108	1.3	X34	F.I.S.	452	
37	2	PC 4W108	1.3	X35	F.I.S.	452	
38	2	PC 4W108	1.3	X36	F.I.S.	452	
39	2	PC 4W108	1.3	X37	F.I.S.	452	
40	4	PC 10W108	0.9	X38	NO PAINT ITEM	59	6
41							
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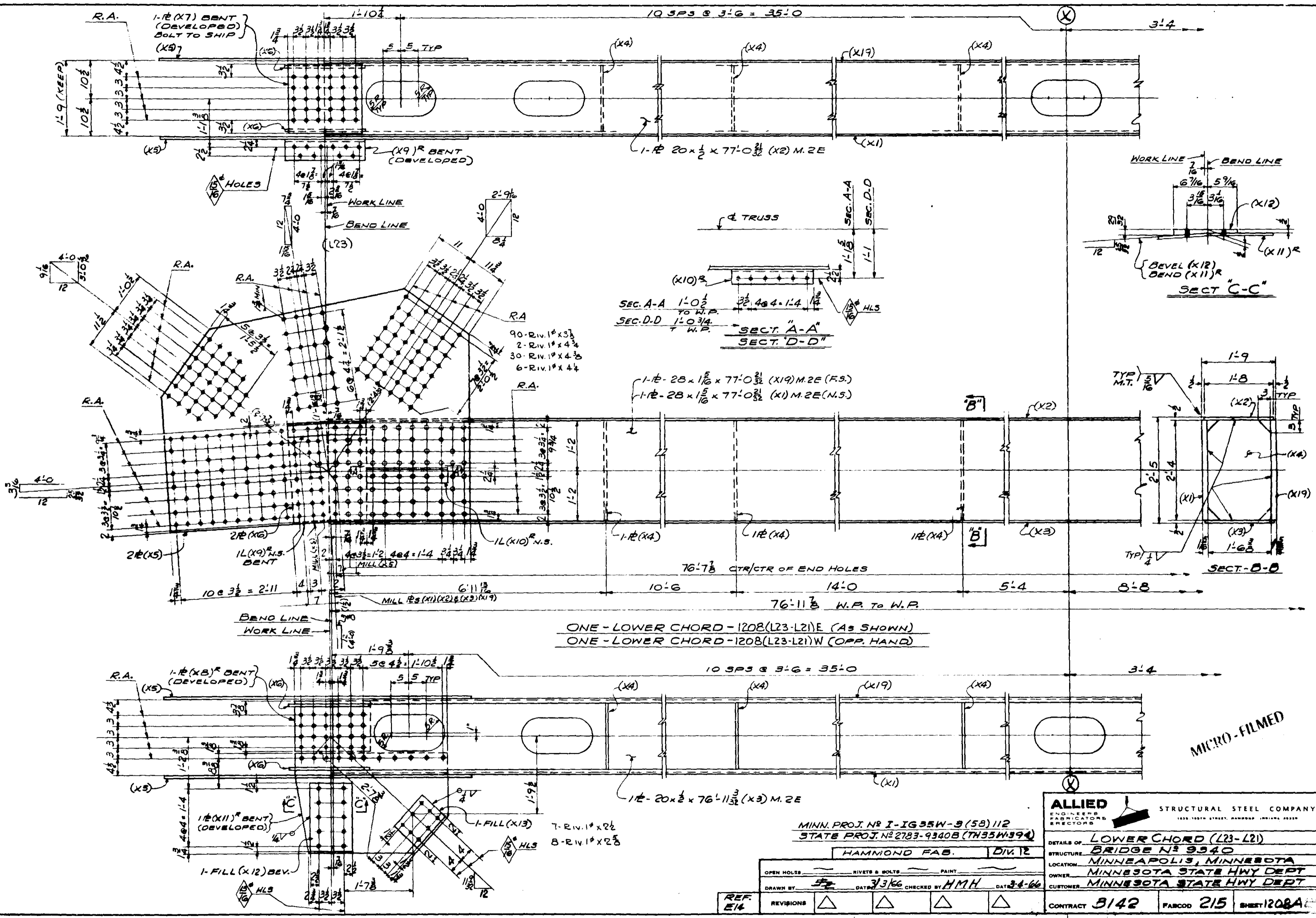
ALLIED STRUCTURAL STEEL COMPANY
1115 15TH STREET S.W. MINNEAPOLIS, MINN. 55403

DETAILS OF: CANTILEVER @ FT 24
STRUCTURE: BRIDGE NO. 9340
LOCATION: MINNEAPOLIS MINNESOTA
OWNER: MINNESOTA STATE HWY. DEPT.
CUSTOMER: MINNESOTA STATE HWY. DEPT.

MINN. PROJ. NO. I-25 35W-3(36)112
STATE PROJ. NO. 2783-9340B(TH35W-394) CLINTON FAB.
OPEN HOLES: 1/2 U.N. RIVETS & BOLTS: 3/8 PAINT: YES-SEE SHIT GVI
DRAWN BY: G.M. DATE: 2-23-66 CHECKED BY: GN DATE:
REVISIONS: 1) 2/23/66 2) 2/23/66 3) 2/23/66 4) 2/23/66

CONTRACT 3142 FABCOD 244 SHEET 1207

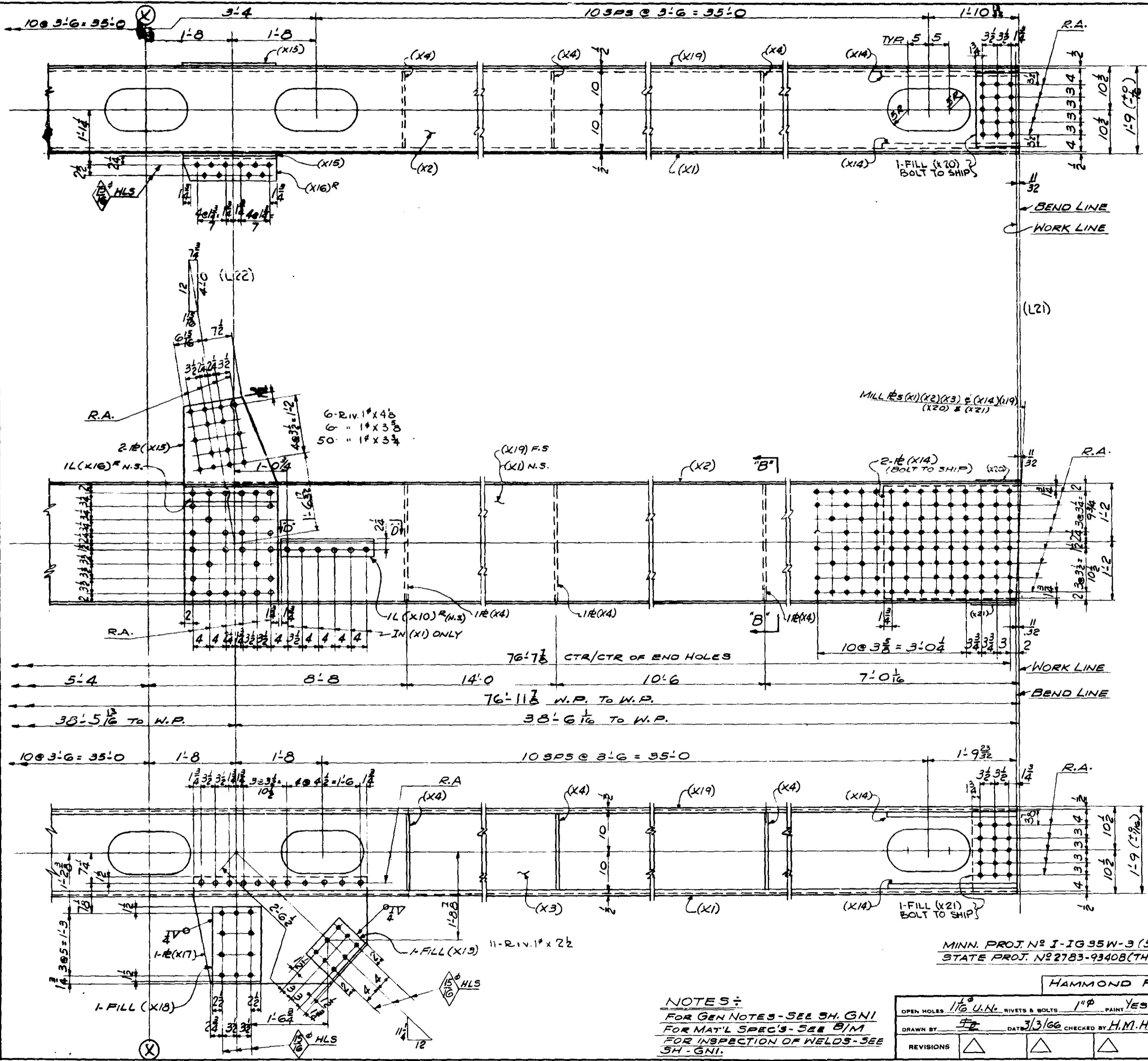
MICRO-FILMED



MICRO-FILMED

ALLIED		STRUCTURAL STEEL COMPANY	
ENGINEERS FABRICATORS ERECTORS		1235 15TH STREET, HAMBURG, INDIANA 46343	
DETAILS OF LOWER CHORD (L23-L21)			
STRUCTURE BRIDGE NO 9940			
LOCATION MINNEAPOLIS, MINNESOTA			
OWNER MINNESOTA STATE HWY DEPT			
CUSTOMER MINNESOTA STATE HWY DEPT			
CONTRACT	3142	FABCODE	215
SHEET	1208A		

REF. E16	REVISIONS	△	△	△	△
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QTY.	NO.	SHIP NO.	NO. REQD.	SHAPE	LENGTH	PC. SIZE	REMARKS	ITEM NO.	TOTAL WEIGHT
12	1								
1	3			ONE LOWER CHORD 1208(L23-L21) R. AS SHOWN					
1	4			ONE LOWER CHORD 1208(L23-L21) W. COP. HANG					
2	6			2# 28x1 1/2	77 0 3/4	X1	M.2E	1102	60 19257
2	7			2# 20x1 1/2	77 0 3/4	X2	M.2E	1108	61 5240
2	8			2# 20x1 1/2	76 1/2	X3	M.2E	1109	61 5231
12	9			12# 18 3/8 x 3/8	2 1/4	X4		1115	59 656
4	10			4# 60x5 1/2	7 3/4	X5	M.2E	1106	61 2215
4	11			4# 28 1/2 x 1/2	1 10 1/2	X6		1105	61 360
2	12			2# 19x3 1/8	1 9	X7	M.2E	1108	61 88
2	13			2# 14 1/2 x 1/2	1 9	X8	ULM-BENT	1109	61 85
2	14			2# 6x4x3/8	1 10 1/2	X9	BENT	1106	59 46
4	15			4# 4x4x3/8	1 11	X10		1107	59 78
2	16			2# 27 1/2 x 3/8	3 7 1/2	X11	BENT	1110	59 254
2	17			2# BEV. FILL 12x1 1/2	1 7	X12		1116	59 121
4	18			4# FILL 9x1/2	1 0	X13		1111	59 61
4	19			4# 27 1/2 x 1 1/8	2 8 1/2	X14	M.2E	1114	60 1210
4	20			4# 22x1 1/2	4 1	X15		1112	59 632
2	21			2# 6x4x3/8	1 10 1/2	X16		1106	59 47
2	22			2# 25 1/2 x 3/8	3 6 1/2	X17		1113	59 229
2	23			2# FILL 12x1 1/2	1 6	X18		1117	59 61
2	24			2# 20x1 1/2	77 0 3/4	X19	M.2E	1102	60 19257
2	25			2# FILL 10x1 1/2	1 7	X20	M.2E	1102	61 19
2	26			2# FILL 10x1 1/2	1 7 1/2	X21	M.2E	1103	61 15
2	27			2# 5/16 WLD	308 0				NC
2	28			2# 1/4 WLD	46 0				NC
432	29			432# 1" RIV.					NC

ALLIED STRUCTURAL STEEL COMPANY
 ENGINEERS, FABRICATORS, ERECTORS
 1425 15TH STREET, HARMOND, INDIANA 46020

DETAILS OF: **LOWER CHORD (L23-L21)**
 STRUCTURE: **BRIDGE NO 9340**
 LOCATION: **MINNEAPOLIS, MINNESOTA**
 OWNER: **MINNESOTA STATE HWY DEPT**
 CUSTOMER: **MINNEAPOLIS STATE HWY DEPT**

MINN. PROJ. NO I-1695W-3 (58) 112
 STATE PROJ. NO 2783-9340B (TH35W:394)

HAMMOND FAB.

OPEN HOLES: 1 1/8" U.N. RIVETS & BOLTS 1" PAINT YES SEE SH.GNI

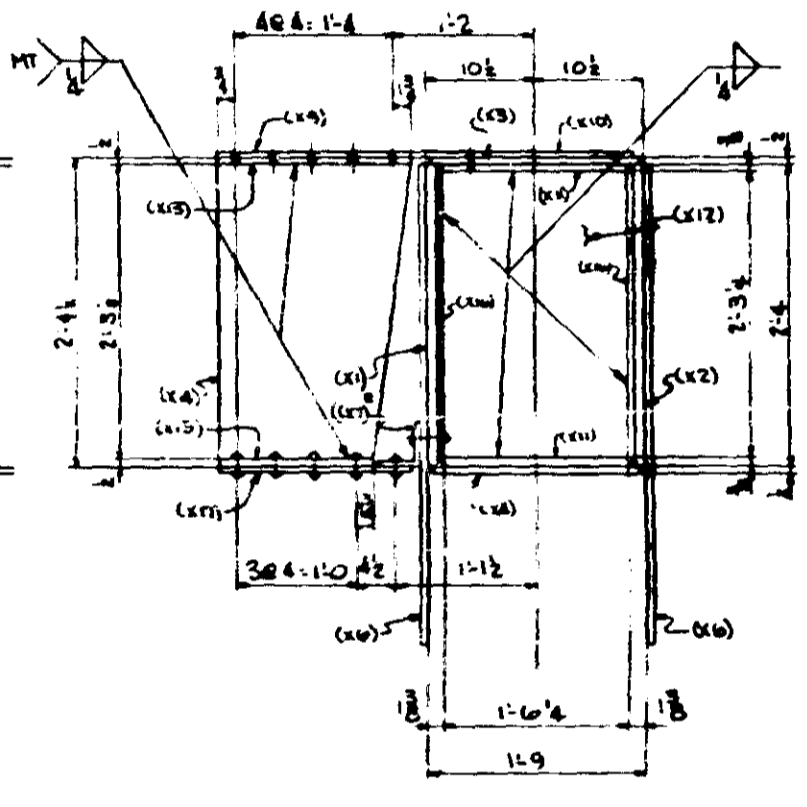
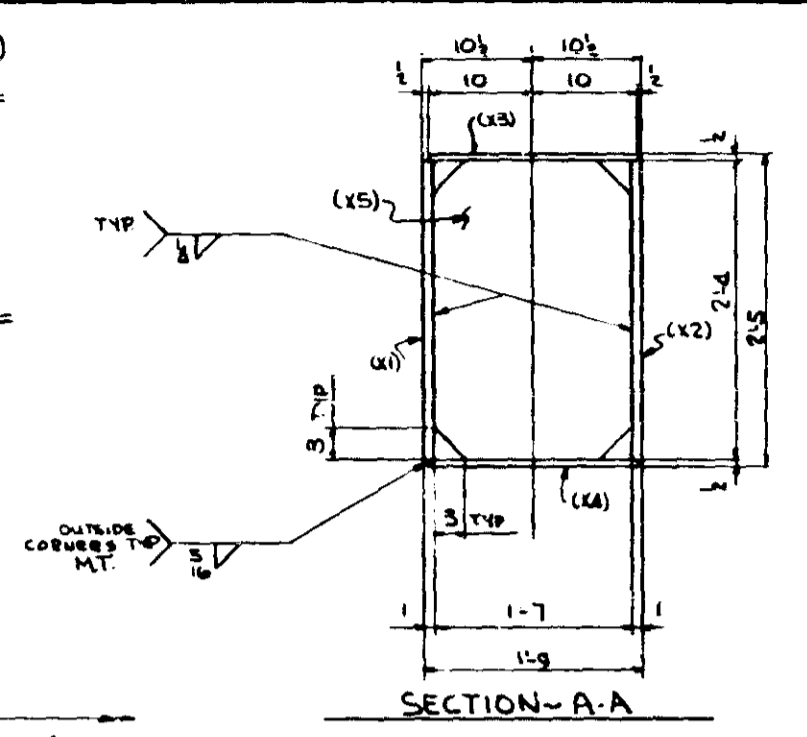
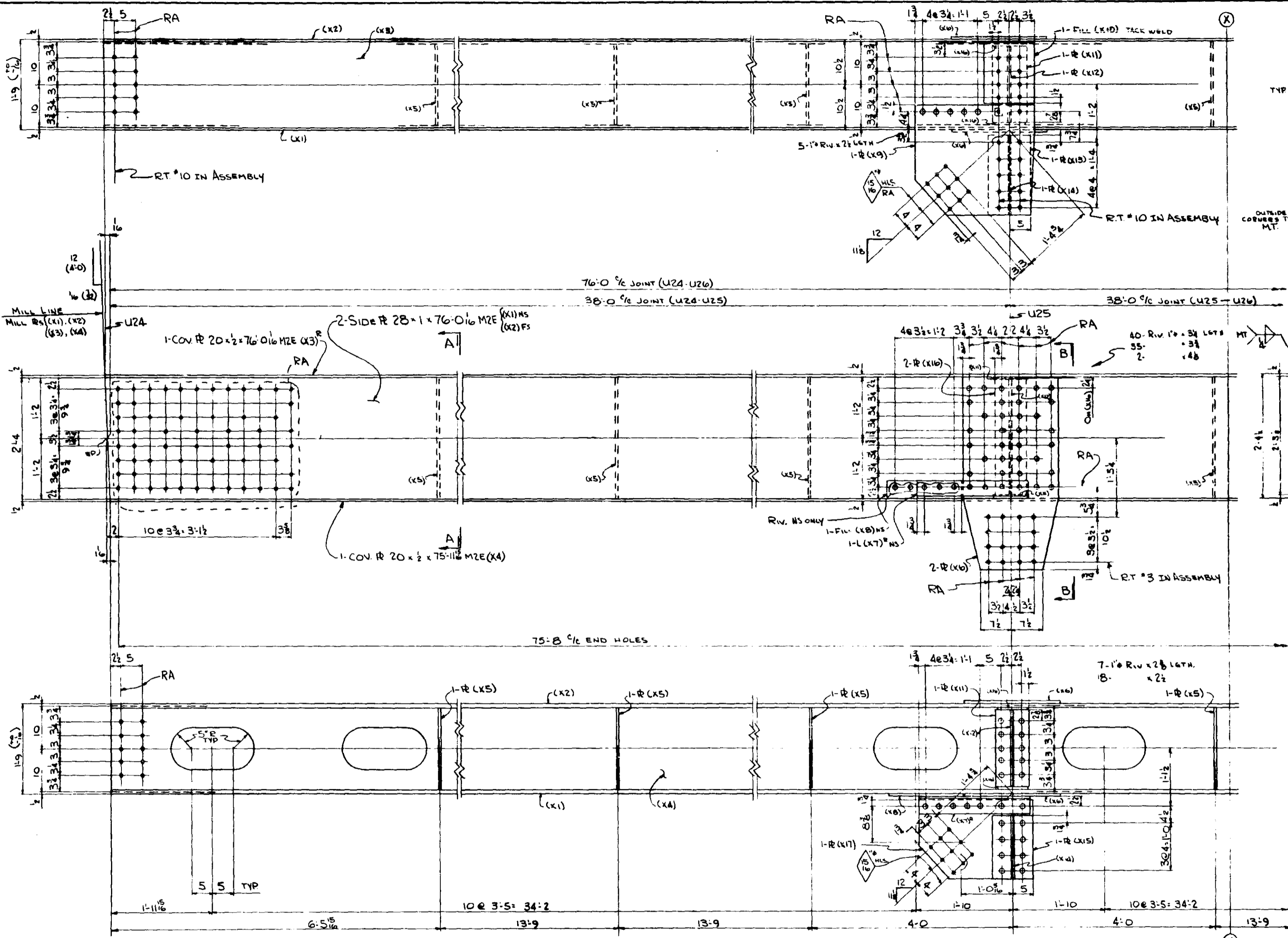
DRAWN BY: *[Signature]* DATE: 3/3/66 CHECKED BY: H.M.H. DATE: 3-4-66

REVISIONS: *[Diagrams]*

CONTRACT: **3142** FABCOD: **215** SHEET: **1208B**

NOTES:
 FOR GEN NOTES - SEE SH. GNI
 FOR MAT'L SPEC'S - SEE B/M
 FOR INSPECTION OF WELDS - SEE SH. GNI.

3/10/66 - FILMED



ONE - UPPER CHORD - 1301-U24-U26W (ASSUM)
 ONE - UPPER CHORD - 1301-U24-U26E (OPR HD)

MINN. PROJ. NO. I-16 35W-3(58)112
 STATE PROJ. 2783-9340B(TH35W-394)

DIN 13
 HAMMOND FAB
 OPEN HOLES 1 1/2" UN
 RIVETS & BOLTS 1"
 PAINT YES SEE SMT. 6N-1
 DRAWN BY [Signature] DATE 1-21-66 CHECKED BY [Signature] DATE

ALLIED
 ENGINEERS
 FABRICATORS
 Erectors

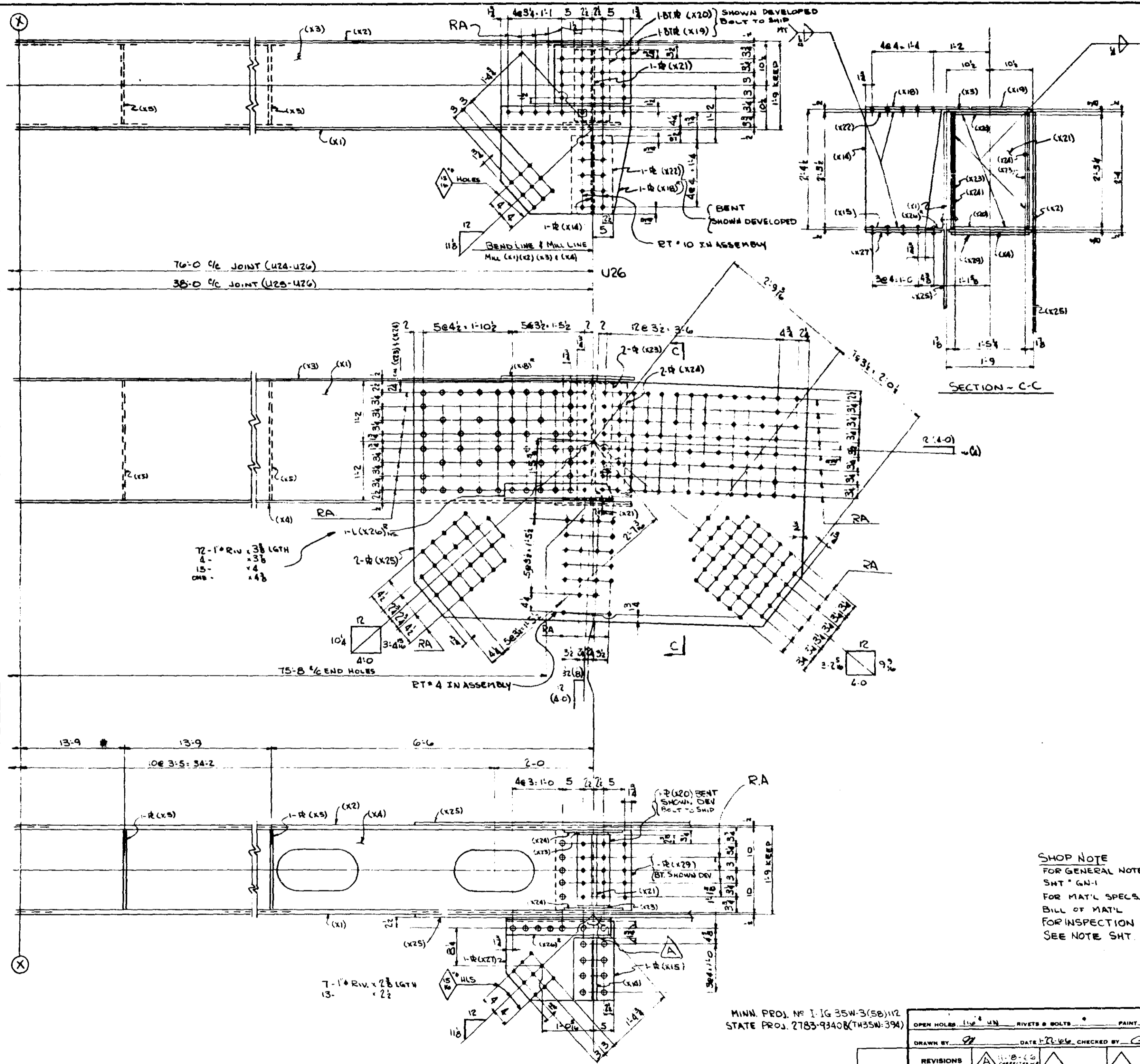
1325 107TH STREET, HAMMOND, ILLINOIS 60401

DETAILS OF: UPPER CHORD U24-U26
 STRUCTURE: BRIDGE NO. 9340
 LOCATION: MINNEAPOLIS, MINNESOTA
 OWNER: MINNESOTA STATE HWY. DEPT.
 CUSTOMER: MINNESOTA STATE HWY. DEPT.

CONTRACT 3142 FABCOO 215 SHEET 1301AB

REF	REVISIONS	△	△	△	△

MICRO-FILMED



NO.	QTY	SHAPE	LENGTH	PC	REMARKS	ITEM NO.	BID ITEM	TOTAL WEIGHT	MIN. WGT. PER SPEC.
1									
2	ONE	UPPER CHORD	150'-0" U24-U26						
3	ONE	UPPER CHORD	150'-0" U24-U26						
4									
5									
6	2	Ø 28 x 1	76'-0"	X1	MZE	1902	59	14471	3506
7	2	Ø 28 x 1	76'-0"	X2	MZE	1902	59	14471	
8	2	Ø 20 x 1	76'-0"	X3	MZE	1902	59	5168	
9	2	Ø 20 x 1	75'-11 1/2"	X4	MZE	1902	59	5168	
10	12	Ø 19 x 1/2	2'-4"	X5		1915	59	678	
11	4	Ø 23 x 1/2	3'-7 1/2"	X6		1915	59	567	
12	2	L 4 x 4 x 3/8	2'-2 1/2"	X7		1912	59	43	
13	2	F 1/4 x 4 x 1/2	1'-5 1/2"	X8		1915	59	20	
14	2	F 1/4 x 27 x 1/2	2'-4 1/2"	X9		1908	59	162	
15	2	F 1/4 x 12 x 1/2	1'-2 1/2"	X10	UM	1914	59	36	
16	4	Ø 8 x 1/2	1'-6 1/2"	X11		1916	59	62	
17	2	Ø 8 x 1/2	2'-3 1/2"	X12		1918	59	181	
18	2	Ø 10 x 1/2	1'-7 1/2"	X13		2016	59	55	
19	4	Ø 19 x 1/2	2'-3 1/2"	X14		2016	59	278	
20	4	Ø 10 x 1/2	1'-3 1/2"	X15		2017	59	88	
21	4	Ø 7 1/2 x 1/2	2'-3 1/2"	X16		1913	59	88	
22	2	Ø 20 x 1/2	2'-3 1/2"	X17		1911	59	116	
23	2	Ø 27 x 1/2	2'-7 1/2"	X18	BENT	1908	59	181	
24	2	Ø 14 x 1/2	1'-6 1/2"	X19	UM BENT	1907	59	56	
25	4	Ø 8 x 1/2	1'-5 1/2"	X20	BENT	1909	59	59	
26	2	Ø 17 1/2 x 1/2	2'-3 1/2"	X21		1911	59	133	
27	2	Ø 10 x 1/2	1'-7 1/2"	X22	BENT	2016	59	55	
28	4	Ø 7 1/2 x 1/2	2'-3 1/2"	X23		1910	59	88	
29	4	Ø 27 1/2 x 1/2	1'-4 1/2"	X24	UM	1905	59	259	
30	4	Ø 57 1/2 x 1/2	7'-11 1/2"	X25		1904	59	3874	
31	2	L 4 x 4 x 3/8	2'-2 1/2"	X26		1912	59	42	
32	2	Ø 19 x 1/2	2'-2 1/2"	X27		1911	59	111	3506
33									
34	2	Ø 19 x 1/2	1'-6 1/2"	X28	BENT UM	1909	59	75	3506
35									
36									
37									
38									
39									
40	438	1/4 RIV							N/C
41	2	5/8 WLD	304'-0"						
42	2	1/4 WLD	51'-0"						
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SHOP NOTE
 FOR GENERAL NOTES SEE
 SHT G-1
 FOR MAT'L SPECS SEE
 BILL OF MAT'L
 FOR INSPECTION OF WELDS
 SEE NOTE SHT G-1

ALLIED STRUCTURAL STEEL COMPANY
 ENGINEERS, FABRICATORS, ERECTORS
 1400 10TH STREET HARBOUR PARKWAY, MINNEAPOLIS, MINN.

DETAILS OF: UPPER CHORD U24-U26
 STRUCTURE: BRIDGE NO 9340
 LOCATION: MINNEAPOLIS, MINNESOTA
 OWNER: MINNESOTA STATE HWY. DEPT.
 CUSTOMER: MINNESOTA STATE HWY. DEPT.

MINN. PROJ. NO I-16 35W-3(58)112
 STATE PROJ. 2783-9340(TH35W-394)

OPEN HOLE: 1/2" UN RIVETS & BOLTS
 PAINT: YES, SEE SHT G-1
 DRAWN BY: [Signature] DATE: 12-16-66 CHECKED BY: G.N. DATE: []

REVISIONS: [] [] [] []

CONTRACT 3142 FABCOD 215 SHEET 1301B

117-110-FILMED