

NO.	SHIP NO.	NO. REQ.	SHAPE	LENGTH	PC	REMARKS	ITEM NO.	8"	TOTAL WEIGHT	AMOUNT
1	2026	1	FLOOR TRUSS	(92' x 70' 0")						
2										
3										
4										
5										
6	1	12WF106	63' 12" 21	21		SEE PLAN FOR				
7	1	12WF106	29' 6"	24		SEE PLAN FOR				
8	2	12WF65	17' 8"	24		LINE 6		59	3021	3306
9	1	12WF85	63' 11"	20		SEE PLAN FOR		59	2307	3306
10	1	12WF85	46' 0"	20		SEE PLAN FOR		59	3910	3306
11	2	12WF65	11' 5"	24		LINE 9			1490	
12	1	12WF194	4' 11"	23		M.F.S.			968	
13	1	12WF92	11' 5"	24					1053	
14	1	R30x8	5' 4"	25					476	
15	1	10WF54	11' 5"	26					618	
16	1	R27x8	5' 6"	27					442	
17	1	8WF35	10' 9"	28					377	
18	1	10WF54	11' 11"	24					645	
19	1	R27x8	5' 0"	210					281	
20	1	8WF35	13' 11"	21					490	
21	1	8WF35	11' 18"	21					362	
22	1	R27x8	4' 6"	218					176	
23	1	8WF35	10' 11"	24					354	
24	1	8WF35	13' 9"	215					451	
25	1	R27x8	5' 0"	216					281	
26	1	10WF54	11' 6"	217					623	
27	1	8WF35	10' 13"	218					254	
28	1	R27x8	5' 6"	219					462	
29	1	10WF54	0' 78"	220					572	
30	1	R30x8	5' 4"	221					976	
31	1	12WF92	10' 6"	222					970	
32	1	12WF194	4' 11"	223		M.F.S.			902	
33	4	L4x4x3/8	1' 9"	224					69	
34	4	L5x3x3/8	1' 5"	225					61	
35	4	R18x8	2' 7"	226					343	
36	4	BAR 5/8x3/8	0' 108"	227				59	25	3306
37	8	BAR 4/8x3/8	1' 1"	228		SEE LINE 30			72	3306
38	4	BAR 4/8x3/8	6' 1"	229		SEE LINE 30		59	72	3306
39	4	BAR 4/8x2	1' 1"	229		SEE LINE 30		59	23	3306
40	4	BAR 4/8x2	3' 3"	230		SEE LINE 30		59	103	
41	4	R10x8	1' 6"	230					62	
42	8	BAR 4/8x3/8	1' 6"	231					62	
43	4	R9x8	1' 0"	232				59	47	3306
44	2	BAR 5/8x2	2' 4"	233		SEE LINE 30			41	3306
45	4	BAR 5/8x2	4' 4"	234		SEE LINE 30		59	41	3306
46	4	BAR 4/8x3/8	1' 1"	234		SEE LINE 30			45	3306
47	1	BAR 4/8x8	3' 2"	235		SEE LINE 30		59	215	3306
48	4	R9x8	5' 4"	235						
49										
50	2	BAR 5/8x2	2' 11"	235		SEE LINE 30		59	41	3306
51	1	BAR 5/8x2	4' 4"	236		SEE LINE 30		59	97	3306
52	2	R9x8	4' 0"	238					13	3306
53	8	BAR 4/8x3/8	1' 1"	239		SEE LINE 30			49	3306
54	1	BAR 4/8x3/8	6' 2"	240		SEE LINE 30		59	49	3306
55	6	BAR 5/8x2	1' 2"	240		SEE LINE 30				
56	3	BAR 5/8x2	1' 11"	241		SEE LINE 30		59	16	3306
57	4	BAR 4/8x3/8	1' 1"	241		SEE LINE 30			29	3306
58	1	BAR 3/4x3/8	3' 4"	242				59	16	3306
59	1	R118x8	0' 113"	242		M.F.S.			29	
60	1	R118x8	0' 113"	243		M.F.S.			29	
61	4	BAR 5/8x2	0' 58"	244					25	
62	4	BAR 5/8x2	0' 108"	245		M.F.S.			36	3306
63	10	BAR 5/8x2	0' 108"	246		M.F.S.			23	3306
64	4	BAR 5/8x2	1' 12"	247		SEE LINE 30				
65	2	BAR 5/8x2	1' 11"	248		SEE LINE 30		59	23	3306
66	4	BAR 3/4x3/8	1' 1"	248		SEE LINE 30			16	3306
67	1	BAR 3/4x3/8	3' 4"	249		SEE LINE 30		59	23	3306
68	4	BAR 4/8x2	1' 1"	249		SEE LINE 30				
69	1	BAR 4/8x2	3' 3/4"	250		SEE LINE 30		59	23	3306
70	2	BAR 5/8x2	1' 28"	250		SEE LINE 30		59	29	3306
71	1	BAR 5/8x2	3' 1"	251		SEE LINE 30				

**ALLIED STRUCTURAL MICROFILM COMPANY**  
 ENGINEERS, FABRICATORS, ERECTORS  
 1415 10TH STREET, HAMBURG, INDIANA 47048

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

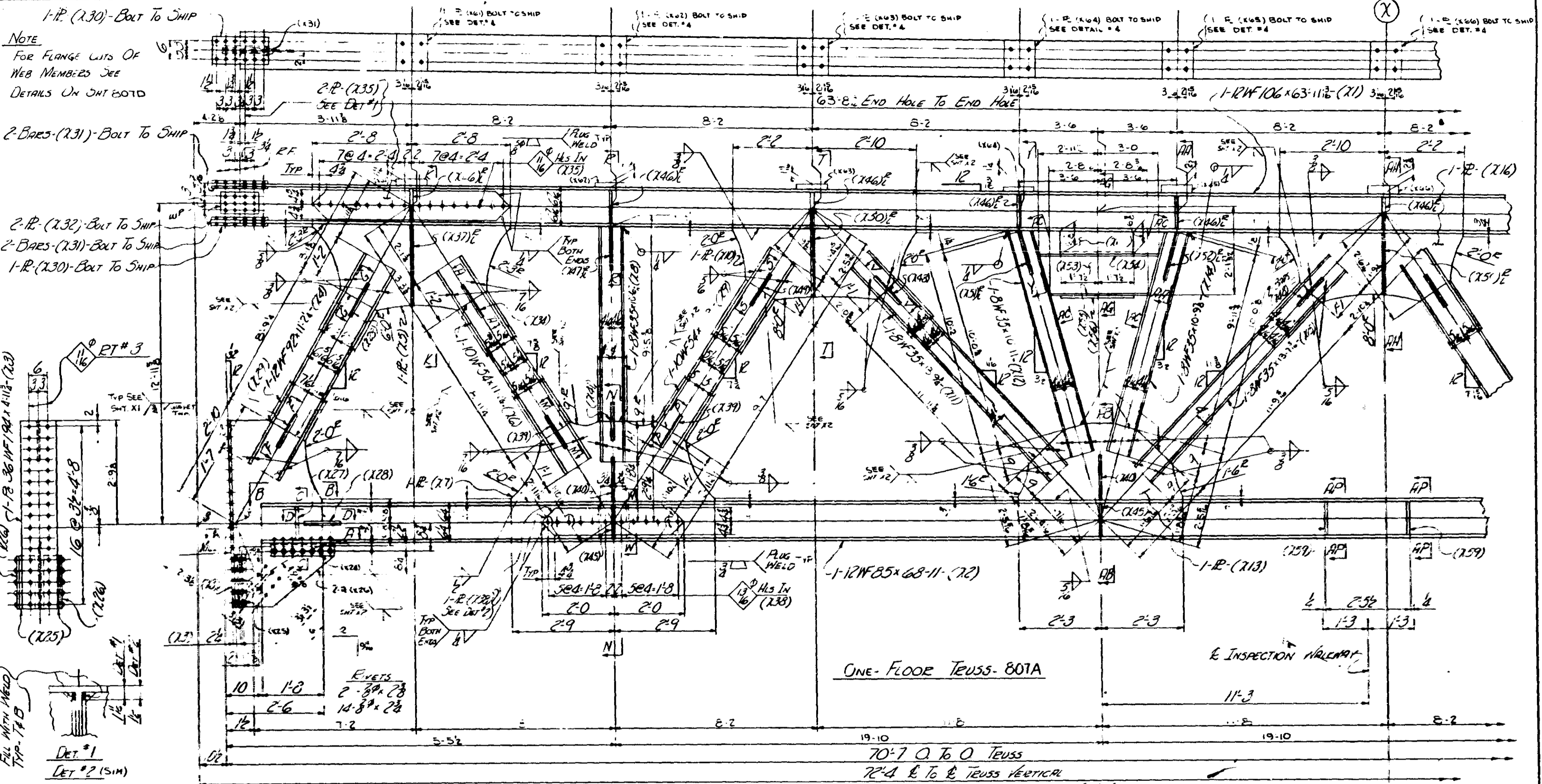
DETAILS OF: FLOOR TRUSS @ 1/4  
 BRIDGE NO. 9340  
 LOCATION: MINNEAPOLIS, MINN.  
 OWNER: MINN. STATE HWY DEPT.  
 CUSTOMER: MINN. STATE HWY DEPT.

DRAWN BY: R.L.M. DATE: 7/1/66 CHECKED BY: Y.L.K. DATE: 8/25/66

REVISIONS	△	△	△	△
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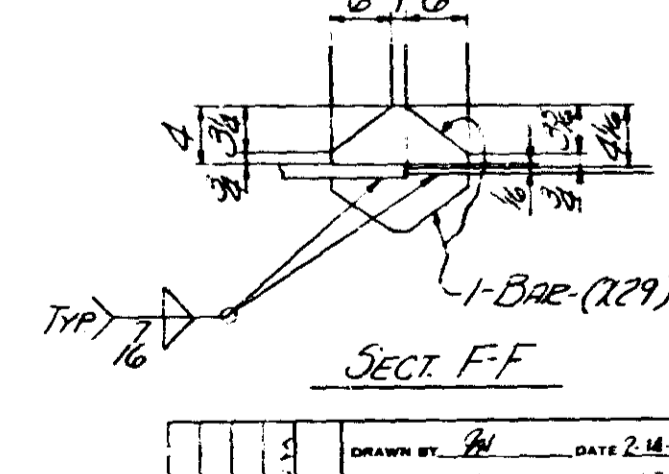
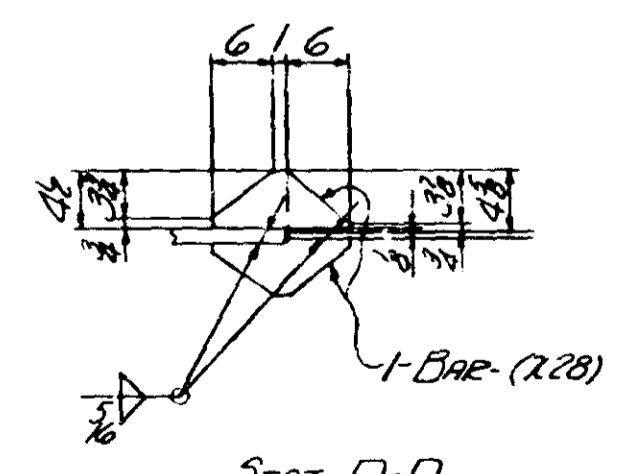
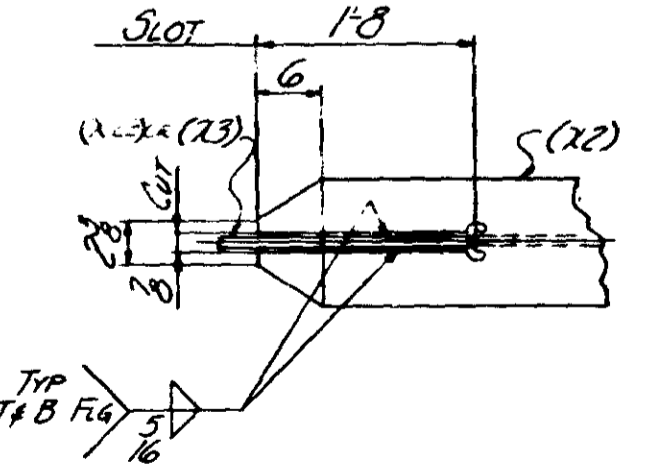
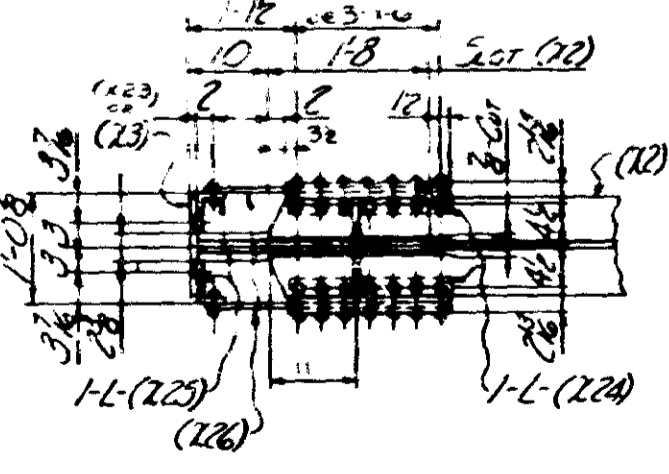
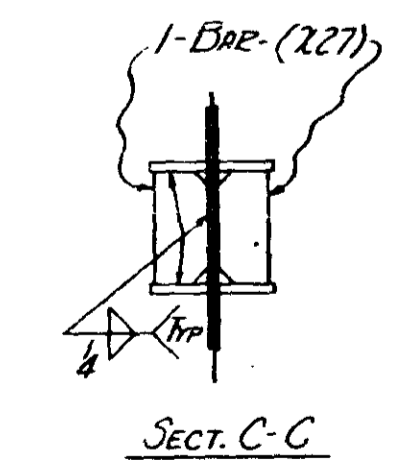
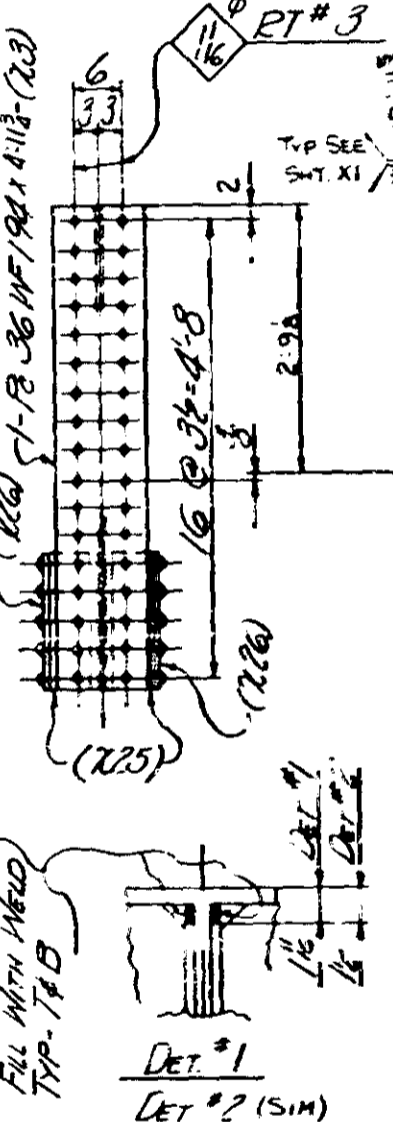
CONTRACT: 3142 FABCOD: 244 SHEET: 806CD





NOTE  
FOR FLANGE LISTS OF  
WEB MEMBERS SEE  
DETAILS ON SHIP 807D

2-BARS (231) - BOLT TO SHIP  
2-R (232) - BOLT TO SHIP  
2-BARS (231) - BOLT TO SHIP  
1-R (230) - BOLT TO SHIP



SECTION A-A  
SECTION AN-AN (Opp. Ho.)

SECTION B-B  
SECTION AM-AM (Opp. Ho.)

SECTION D-D

SECTION F-F

MINN. PROJ. NO. I-1635W-3 (58)112  
STATE PROJ. NO. 2783-93408 (7435W:394)  
MICRO-FILMED

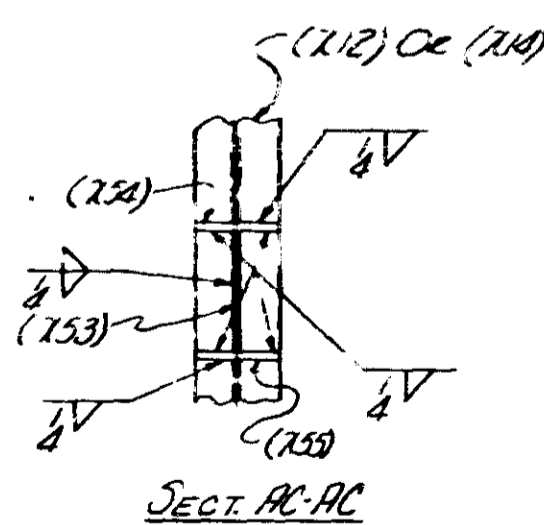
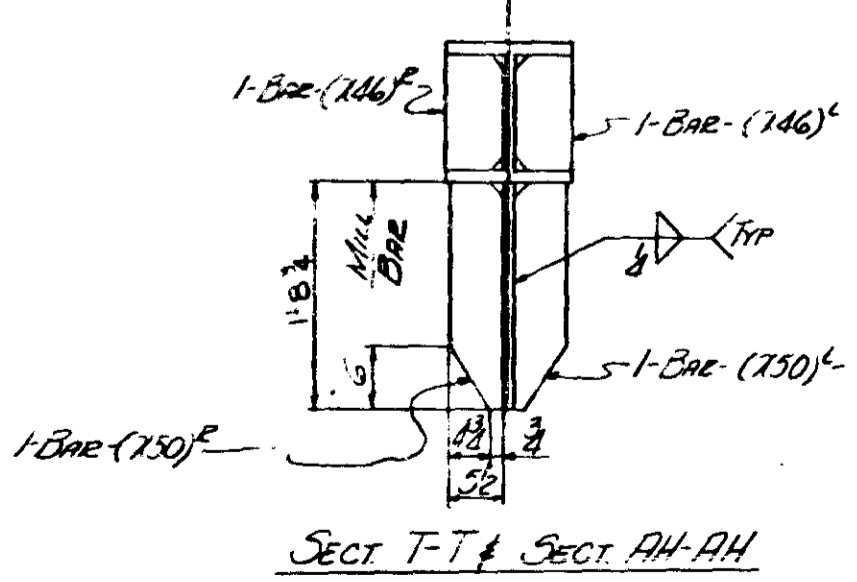
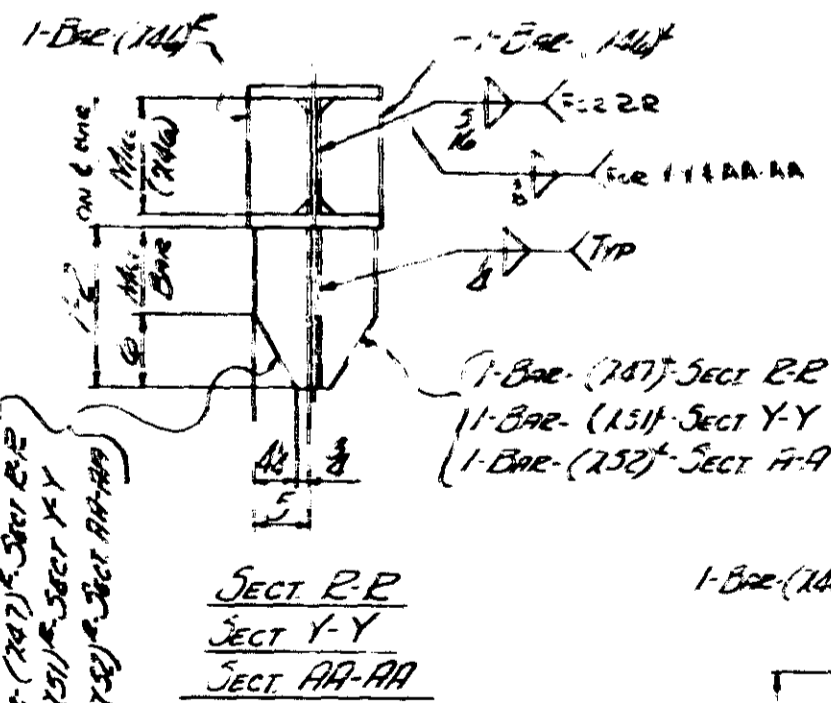
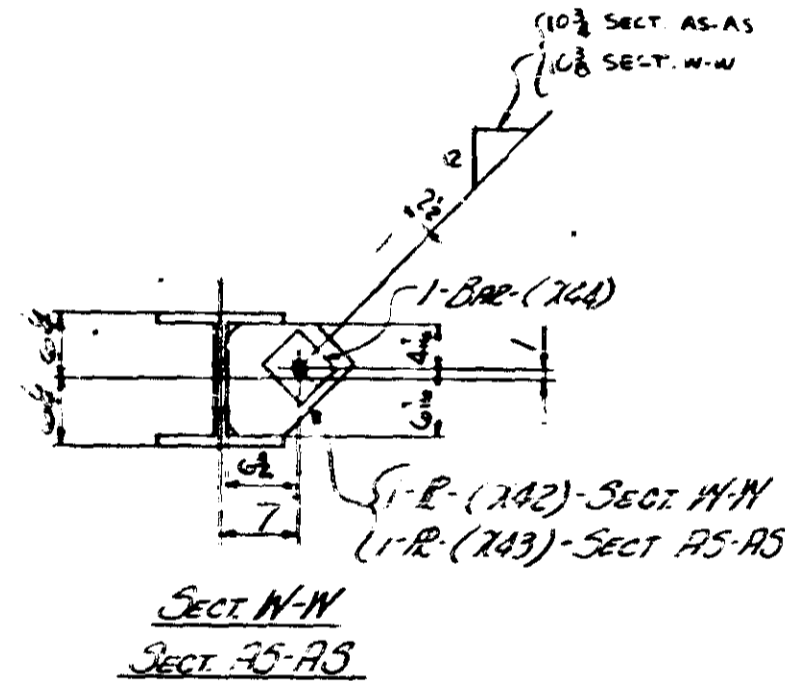
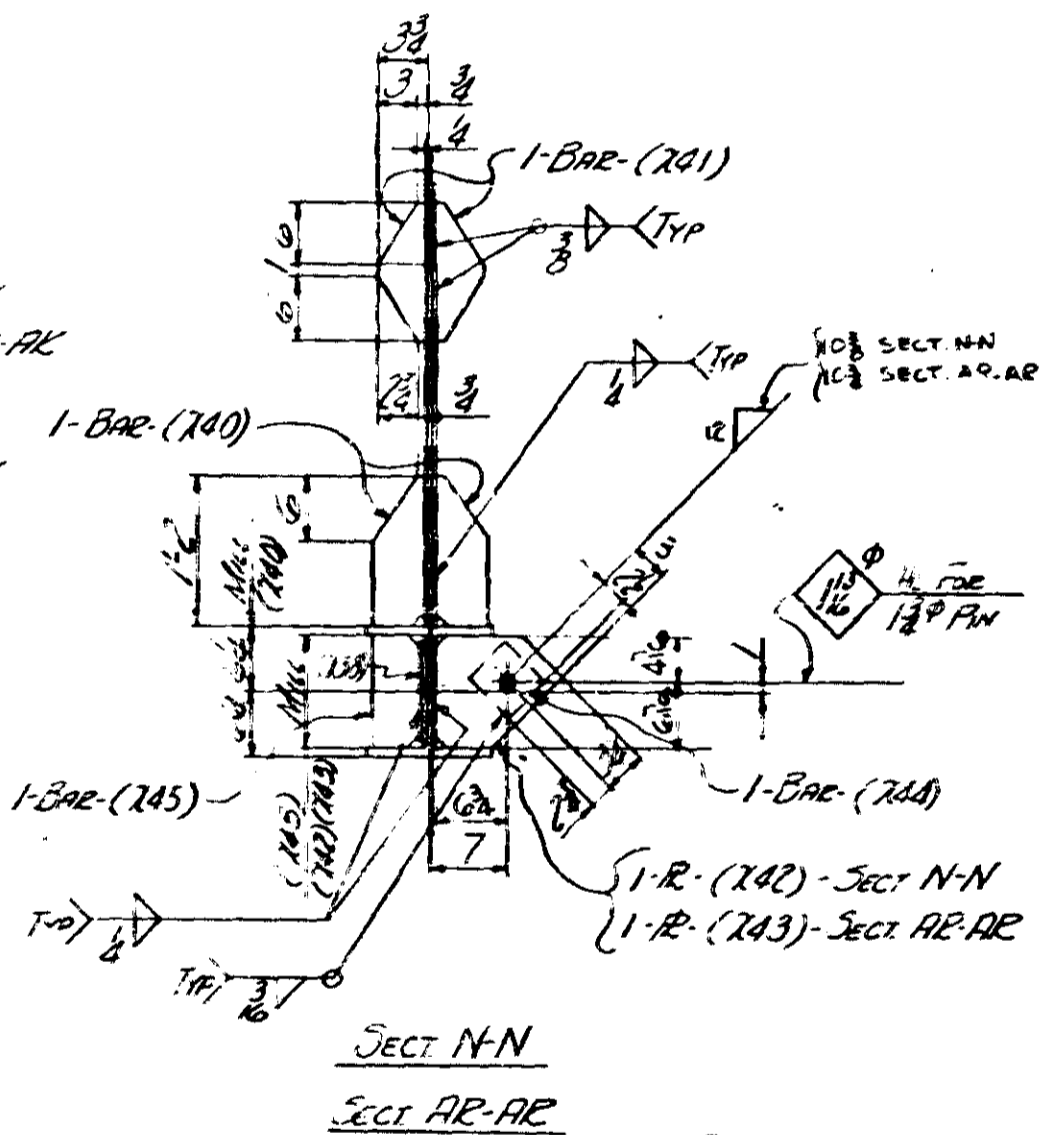
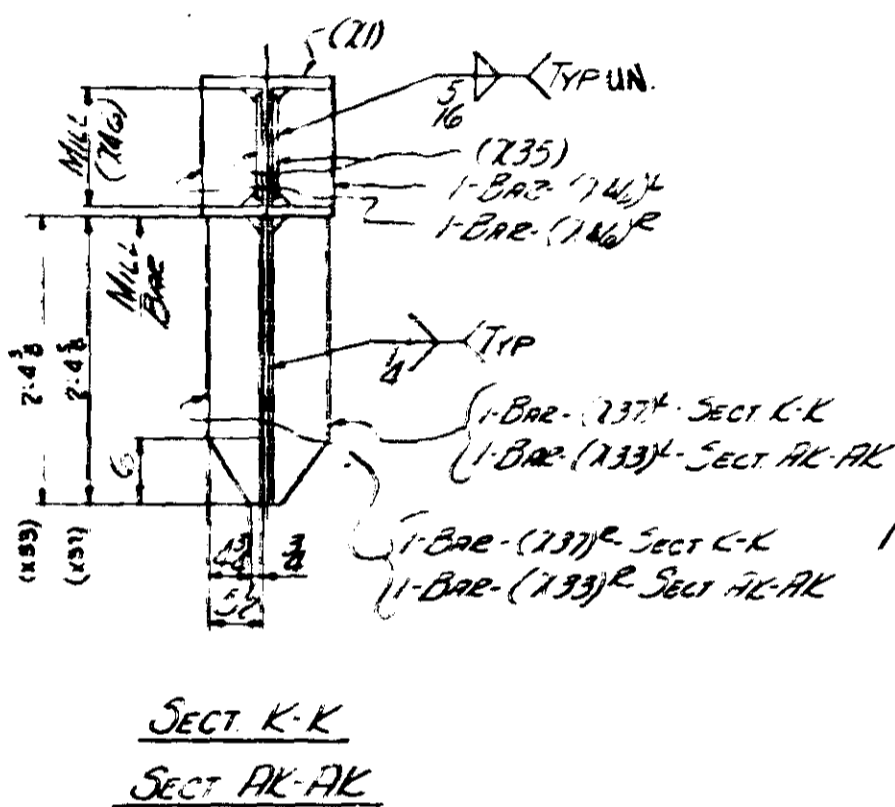
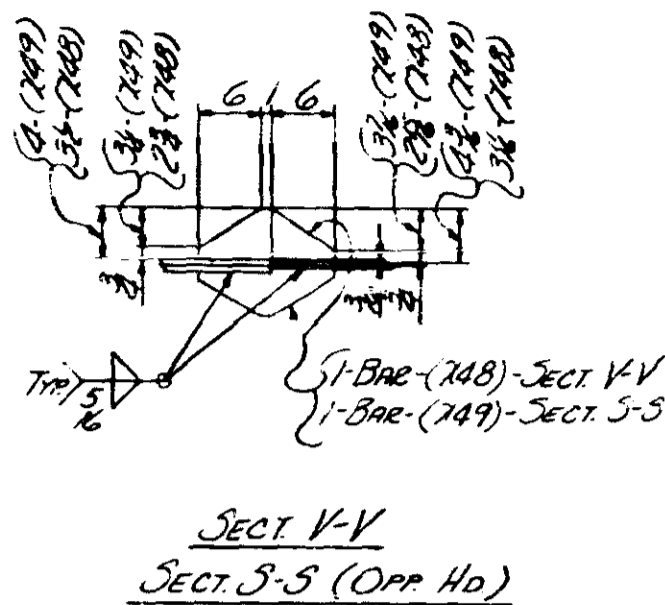
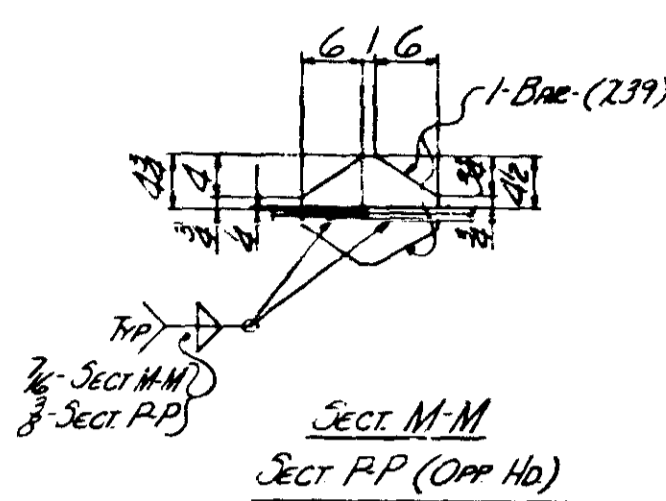
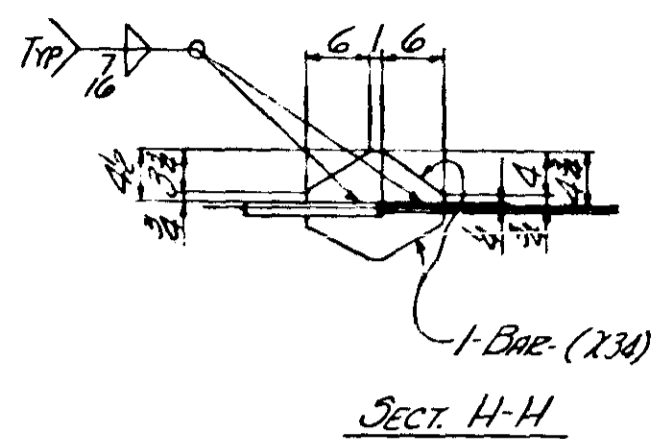
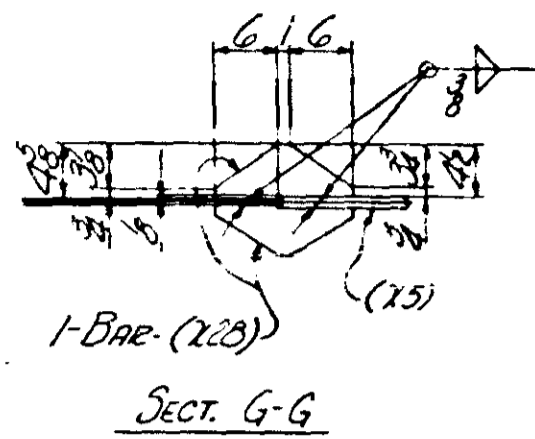
<b>ALLIED</b> STRUCTURAL STEEL COMPANY		1515 SOUTH STREET, MINNEAPOLIS, MINN.	
DETAILS OF FLOOR TRUSS G 15		STRUCTURE BRIDGE NO. 9340	
DRAWN BY: JH DATE: 2-14-60		LOCATION: MINNEAPOLIS, MINN.	
CHECKED BY: K.S. DATE: 4-5-60		OWNER: MINN. STATE ARMY DEPT.	
IN CHARGE OF: CLYDE KENNEDY		CONTRACT: 3142	
FAB. PLANT: CLINTON		DIV. 8	
REFERENCE DWGS: E-11		FAB. COOD: 244	
		SHEET: 807 AD	

NO.	DATE	REVISIONS









NO	QTY	SHAPE	LENGTH	PC	REMARKS	ITEM NO	BID ITEM	TOTAL WEIGHT	UNIT
1	1	FLOOR TRUSS (105 x 71'-0)							
1	1	12WF106	63.11	21		4904			
1	1	12WF106	28.0	21		4904	59	2969	3306
2	2	12WF63	17.11	21		4904	59	2337	3306
1	1	12WF85	68.11	21		4904			
1	1	12WF85	45.8	21		4904	59	3082	3306
2	2	12WF65	11.72	21		4904	59	1511	3306
1	1	Pc 36WF192	4.11	23		4903	59	900	3306
1	1	12WF92	11.28	24		4904		1029	
1	1	R 30 x 3	5.4	25		5008		916	
1	1	10WF54	11.28	26		4904		809	
1	1	R 27 x 8	5.6	27		5003		422	
1	1	8WF35	10.46	28		4902		369	
1	1	10WF54	11.9	29		4904		635	
1	1	R 22 x 8	5.0	30		5004		281	
1	1	8WF35	13.98	31		4901		483	
1	1	8WF35	10.11	32		4904		382	
1	1	R 23 x 8	4.6	33		5005		170	
1	1	8WF35	10.26	34		4901		379	
1	1	8WF35	3.7	35		4902		478	
1	1	R 22 x 8	5.0	36		5004		281	
1	1	10WF54	11.58	37		4904		618	
1	1	8WF35	15.08	38		4905		351	
1	1	R 27 x 8	5.6	39		5003		422	
1	1	10WF54	10.63	40		4904		508	
1	1	R 30 x 3	5.4	41		5008		476	
1	1	12WF92	10.53	42		4901		406	
1	1	Pc 36WF192	4.11	43		4903		902	
4	4	L 4 x 4 x 3/8	3.12	44		5001		29	
4	4	S 4 x 3 x 3/8	1.52	45		5003		81	
4	4	R 10 x 6	2.4	46		5002	59	323	3306
4	4	BAR 3/8 x 3	0.18	47		5001	59	25	3306
4	4	BAR 1/2 x 3	1.1	48		5001	59	72	3306
4	4	BAR 3/4 x 3	1.1	49		5001	59	72	3306
4	4	BAR 1/2 x 3	3.2	50		5001	59	22	3306
4	4	R 10 x 6	1.64	51		5001	59	103	3306
8	8	BAR 1/2 x 3	1.64	52		5001	59	42	3306
4	4	R 9 x 3	1.24	53		5001	59	47	3306
2	2	BAR 5/8 x 3	2.48	54		5001	59	25	3306
1	1	BAR 5/8 x 3	4.4	55		5001	59	41	3306
4	4	BAR 1/2 x 3	1.1	56		5001	59	46	3306
4	4	R 9 x 3	5.4	57		5001	59	75	3306
2	2	BAR 5/8 x 3	2.48	58		5001	59	25	3306
1	1	BAR 5/8 x 3	4.4	59		5001	59	41	3306
4	4	R 9 x 3	5.4	60		5001	59	75	3306
2	2	BAR 5/8 x 3	2.48	61		5001	59	25	3306
1	1	BAR 5/8 x 3	4.4	62		5001	59	41	3306
4	4	R 9 x 3	5.4	63		5001	59	75	3306
2	2	BAR 5/8 x 3	2.48	64		5001	59	25	3306
1	1	BAR 5/8 x 3	4.4	65		5001	59	41	3306
4	4	R 9 x 3	5.4	66		5001	59	75	3306
2	2	BAR 5/8 x 3	2.48	67		5001	59	25	3306
1	1	BAR 5/8 x 3	4.4	68		5001	59	41	3306
4	4	R 9 x 3	5.4	69		5001	59	75	3306
2	2	BAR 5/8 x 3	2.48	70		5001	59	25	3306
1	1	BAR 5/8 x 3	4.4	71		5001	59	41	3306

**ALLIED** STRUCTURAL STEEL COMPANY  
 ENGINEERS ARCHITECTS ERECTORS  
 1100 10TH STREET MINNEAPOLIS, MINN.

MINN PROJ NO IIG35W-3(5B),112  
 STATE PROJ NO 2783-9340B(TN35W:394)

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

DRAWN BY: JML DATE: 2-15-66 CHECKED BY: K.S. DATE: 2-15-66

REVISIONS	△	△	△	△
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CONTRACT: 3142 FABRICATION: 244 SHEET: 807 CD

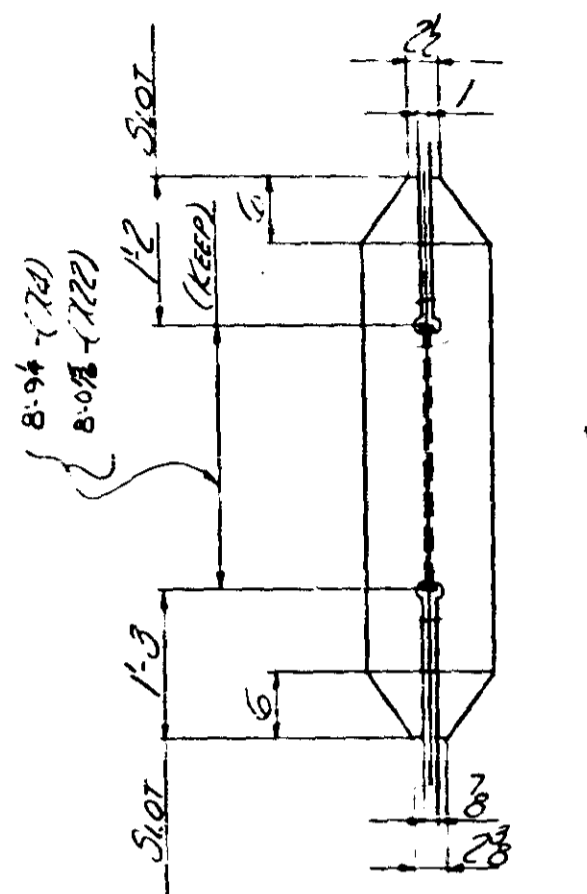


Fig Cut \*  
For (24) & (220)

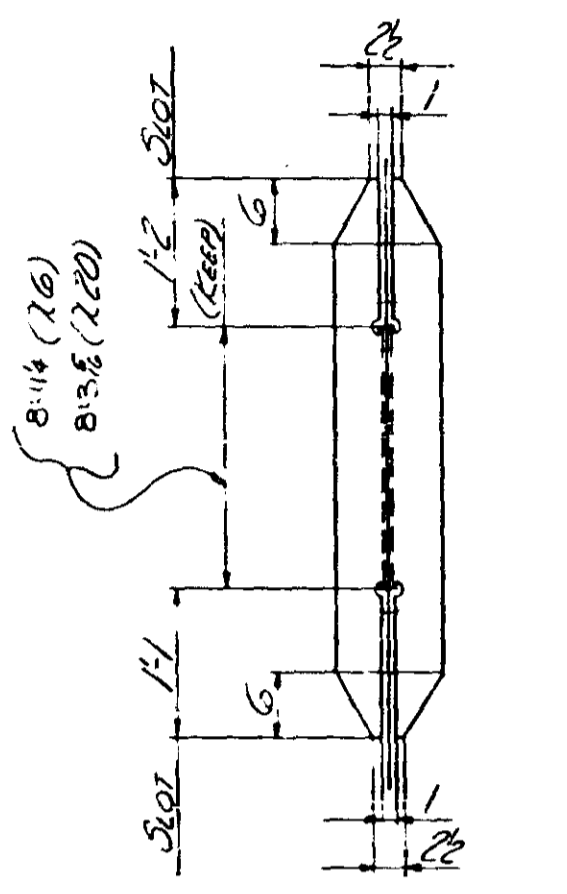


Fig Cut \*  
For (16) & (220)

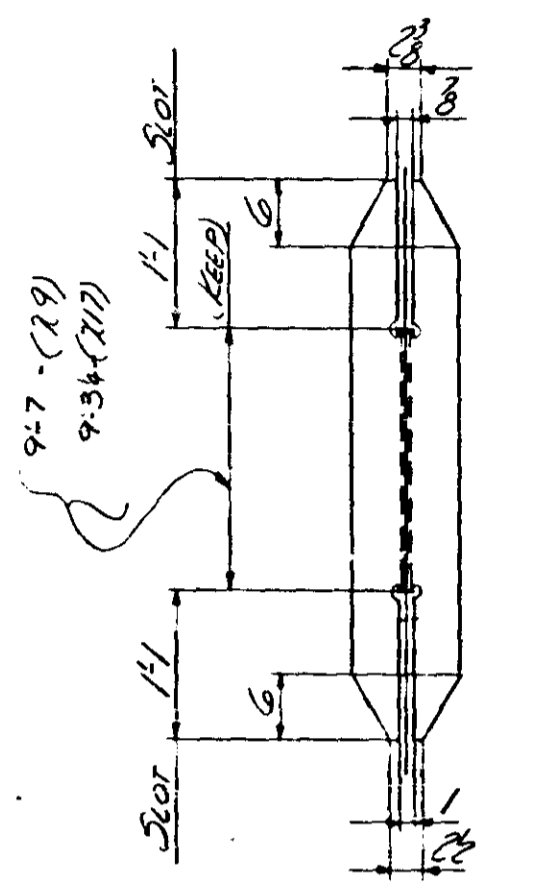


Fig Cut \*  
For (29) & (217)

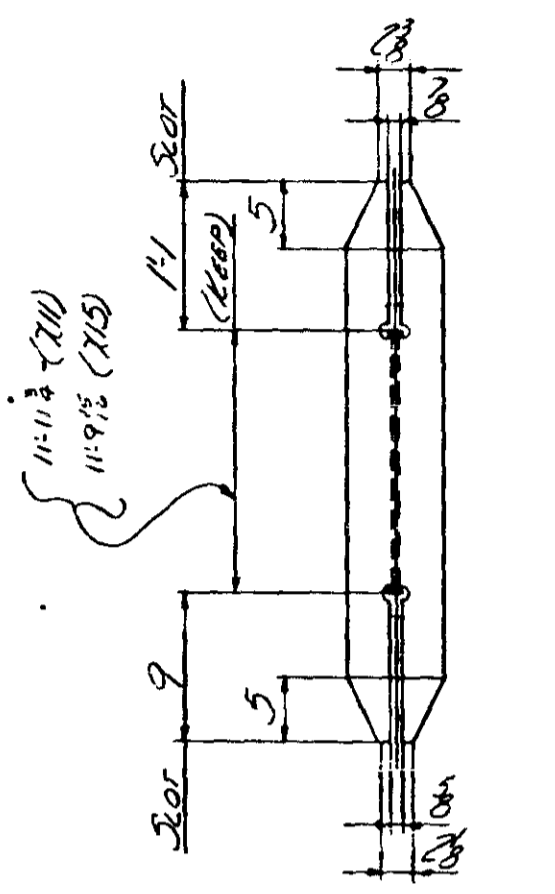


Fig Cut \*  
For (11) & (215)

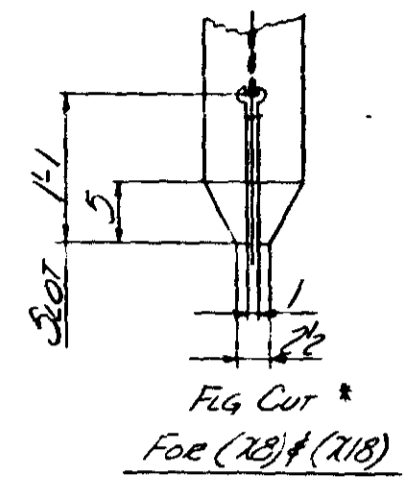


Fig Cut \*  
For (28) & (218)

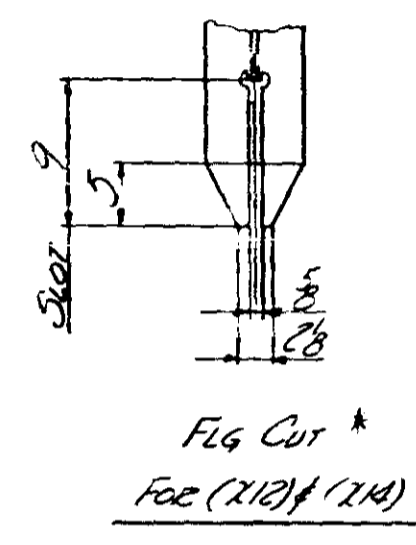
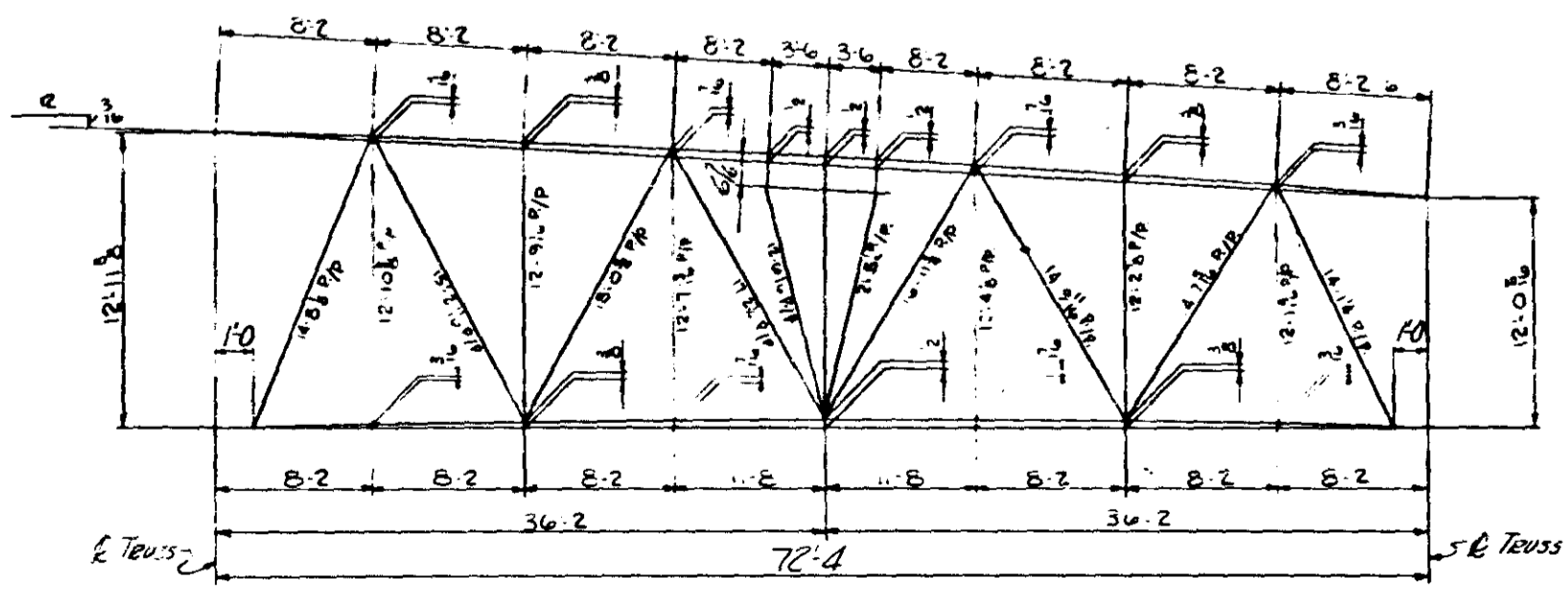


Fig Cut \*  
For (212) & (214)

\* SEE SHIT X1 & X2 FOR BEVEL CUTS FOR WELDING



CAMBER DIAGRAM

ITEM NO	QTY	SHAPE	LENGTH	PC	REMARKS	ITEM NO	BID ITEM	TOTAL WEIGHT	WGT SPEC
72	2	BAR 5x8	1 2 1/2	1	WE				
73	1	BAR 5x8	1 1 1/2	1	WE		59	17	3306
74	2	BAR 5x8	1 2 1/2	1	WE				
75	1	BAR 5x8	1 1 1/2	1	WE		59	17	3306
76	1	R 12x3	5 11 3/8	1	WE		59	91	3306
77	1	BAR 8x3	5 11 1/8	1	WE		59	81	3306
78	1	BAR 8x3	5 4 1/2	1	WE		59	55	3306
79	1	R 9 1/4 x 3	3 3	1	WE		59	80	3306
80									
81									
82									
83	4	BAR 5 1/2 x 3/8	0 10 1/2	1	WE		59	25	3306
84	1	# 2 7/8 x 1/2	3 3	1	BENT		59	51	3306
85	1	R 10 x 1 1/2	1 0	1	BEV Y-SIDE		59	60	3306
86	1	R 10 x 1 1/2	1 0	1			59	51	3306
87	1	R 10 x 1 1/2	1 0	1			59	55	3306
88	1	R 10 x 1 1/2	1 0	1			59	45	3306
89	1	R 10 x 2 1/2	1 0	1			59	87	3306
90	1	R 10 x 2 1/2	1 0	1			59	91	3306
91	1	R 10 x 2 1/2	1 0	1			59	98	3306
92	1	R 10 x 3	1 0	1			59	102	3306
93									
94									
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SHOP NOTE  
 FOR GEN NOTES SEE SHIT GN1  
 FOR MAT'L SPECS SEE BUL OR MAT'L  
 ALL CLIPPED CORNERS NOT  
 DIMENSIONED SHALL BE CUT  
 3/4 @ 45°  
 FOR X-RAY IDENTIFICATION NO.  
 SEE SHIT W-1  
 FOR INSPECTION OF WELDING SEE  
 NOTE SHIT GN-1  
 FOR WELD SEQUENCE AND WELDING  
 OF WEB MEMBERS SEE SHITS X1 & X2

MINN PROJ NO I-1635W-3(53)112  
 STATE PROJ NO 2783-934 J5155 1-2-94

**ALLIED** STRUCTURAL STEEL COMPANY  
 FABRICATORS & ERECTORS  
 1225 FIRST STREET HARBOR, INDIANA 46340

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

DIV. 8  
 DRAWN BY FAB DATE 2-2-67 CHECKED BY K. L. K. DATE 2-25-67

OPEN HOLES 1/2" UN RIVETS 3/8" PAINT YES SEE SHIT GN1

REVISIONS: 1-29-67 REM, 2, 3, 4

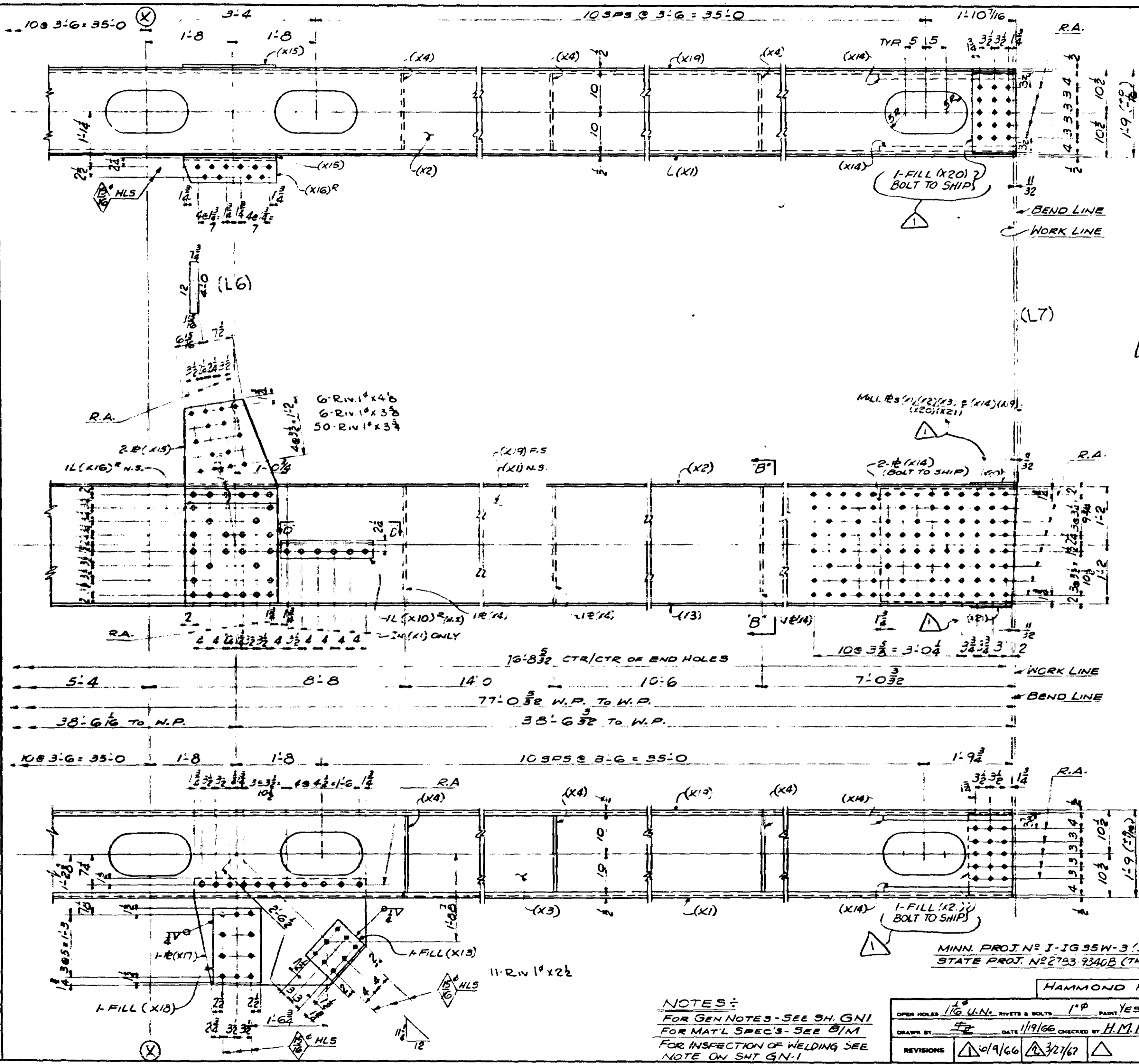
CONTRACT 3142 FABCO 244 SHEET 807 D











DIV.	ITEM	SHIP NO.	SHAPE	LENGTH	PC	REMARKS	ITEM NO.	TOTAL WEIGHT	NET WEIGHT
0	1					ONE LOWER CHORD SHIP (LS-L7) IN AS SHOWN			
1	1					ONE LOWER CHORD SHIP (LS-L7) E-OPP. HAND			
2	2		2# 28 x 1 1/16	77' 0 1/2"	X1	M.Z.E.	1102 60	192.62	3309
3	2		2# 20 x 1/2	77' 0 1/2"	X2	M.Z.E.	1103 61	52.41	3310
4	2		2# 20 x 1/2	76' 11 3/4"	X3	M.Z.E.	1103 61	52.32	3310
5	12		12# 18 3/8 x 3/8	2 4	X4		1115 59	6.56	3306
6	4		4# 6 3/8 x 3/8	7 3/8	X5	M.I.E.D.G.E.	1104 61	42.15	3310
7	4		4# 20 1/2 x 1/2	1 10 1/2	X6		1105 61	3.60	3310
8	2		2# 19 x 3/8	1 9	X7	U.M.-BENT	1108 61	.85	3310
9	2		2# 14 1/2 x 1/2	1 9	X8	U.M.-BENT	1109 61	.85	3310
10	2		2# 6 x 4 x 3/8	1 10	X9	BENT	1106 59	.45	3306
11	4		4# 4 x 4 x 3/8	1 11	X10		1107 59	.75	3306
12	2		2# 2 1/2 x 3/8	3 7 1/2	X11	BENT	1110 59	2.54	3306
13	2		2# BEV. FILL 12 x 1/2	1 7	X12		1116 59	1.13	3306
14	4		4# FILL 9 x 1/2	1 0	X13		1111 59	.61	3306
15	4		4# 2 1/2 x 1 1/16	2 0 1/2	X14	M.I.E.	1118 60	12.10	3309
16	4		4# 22 x 1/2	4 1	X15		1112 59	6.32	3306
17	2		2# 6 x 4 x 3/8	1 10 1/2	X16		1106 59	.47	3306
18	2		2# 25 1/2 x 3/8	3 6 1/2	X17		1113 59	22.9	3306
19	2		2# FILL 12 x 1/2	1 6	X18		1117 59	.61	3306
20	2		2# 28 x 1 1/16	77' 0 1/2"	X19, M.Z.E.		1102 60	192.62	3309
21	2		2# FILL 10 1/2 x 1/2	1 7	X20	M.I.E.	1102 61	.14	3310
22	2		2# FILL 10 1/2 x 1/2	1 7 1/2	X21	M.I.E.	1103 61	.15	3310
23	2		2# 5/16 WLD	300 0				1.2	
24	2		2# 1/4 WLD	46 0				1.2	
25	4		4# 2 1" RIV.					1.0	3372 TYPE 30

**ALLIED** STRUCTURAL STEEL COMPANY  
 1425 15TH STREET SARDIS IOWA 50468

DETAILS OF LOWER CHORD (LS-L7)  
 STRUCTURE BRIDGE NO 9540  
 LOCATION MINNEAPOLIS, MINNESOTA  
 OWNER MINNESOTA STATE HWY DEPT  
 CUSTOMER MINNESOTA STATE HWY DEPT

MINN. PROJ. NO I-IG 95W-3 (58) 112  
 STATE PROJ. NO 2783 9340B (TH35W-394)

HAMMOND FAB.

OPEN HOLES 1/16 U.L.N. RIVETS & BOLTS 1" P. YES SEE SH. GNI  
 DRAWN BY FE DATE 11/19/66 CHECKED BY H.M.H. DATE 2-10-66

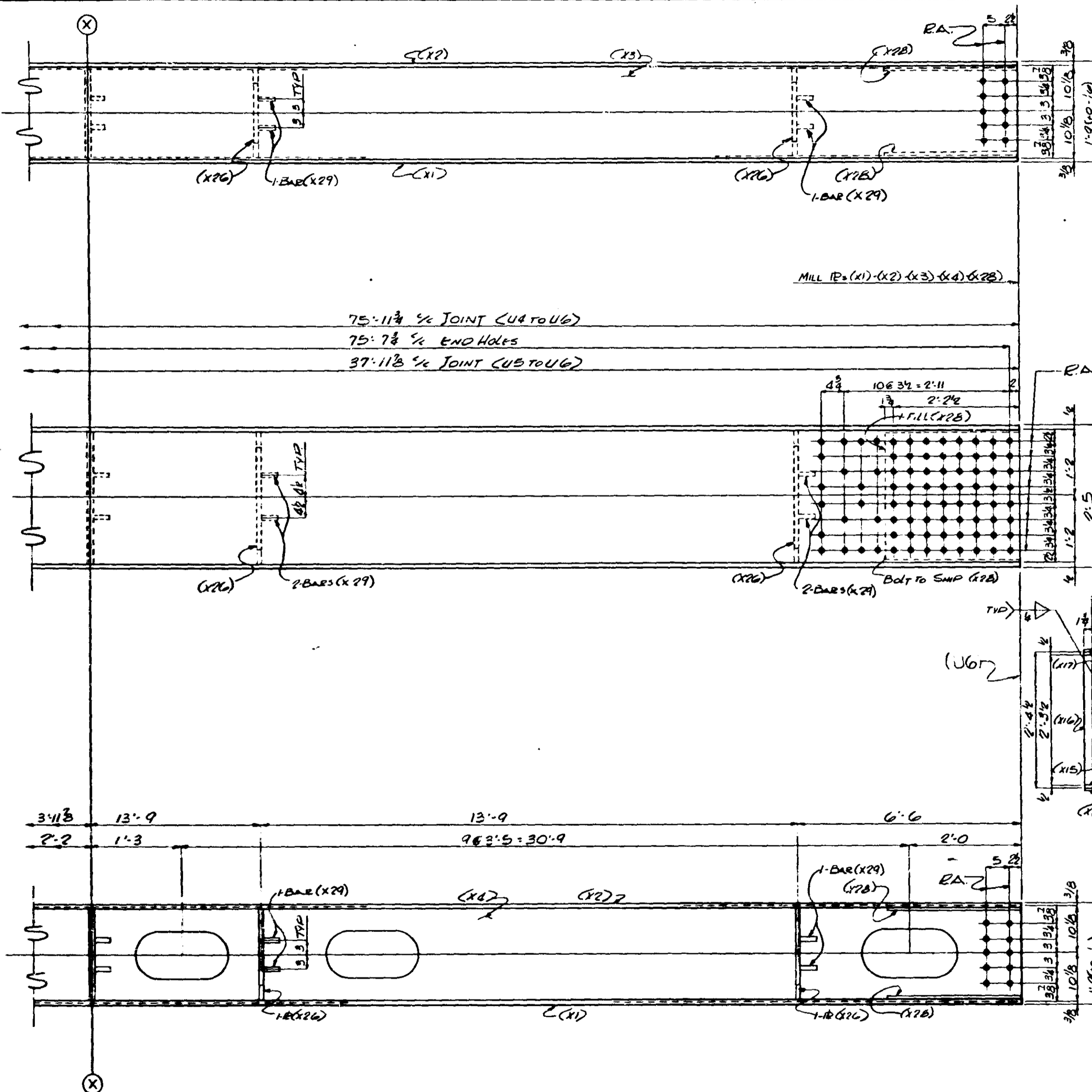
REVISIONS:  $\Delta$  01/9/66  $\Delta$  3/2/67  $\Delta$   $\Delta$

CONTRACT 3142 FABCOO 215 SHEET 810B

NOTES:  
 FOR GEN NOTES - SEE SH. GNI  
 FOR MAT'L SPEC'S - SEE B/M  
 FOR INSPECTION OF WELDING SEE NOTE ON SHT GN-1







**SECTION-C-C**

SHOP NOTE:  
 FOR GEN. NOTES SEE  
 SHT G N1  
 FOR MAT'L. SPECS.  
 SEE BILL OF MAT'L.  
 FOR INSPECTION OF WELDS  
 SEE NOTE ON SHT G N1

LINE	SHIP NO.	NO. REQD.	SHAPE	LENGTH	PC NO.	REMARKS	TEMP. NO.	BID ITEM	TOTAL WEIGHT	M.H.L.D. SHEET NO.
1										
2		ONE	UPPER CHORD	811 U4-U6 W/ Div. #8						
3		ONE	UPPER CHORD	811 U4-U6 E						
4										
5										
6										
7		2	R-28 x 3/8	75 11/4	X1	MFE	1121	61	9842	3310
8		2	R-28 x 3/8	75 11/4	X2	MFE	1121	61	9842	3310
9		2	R-20 1/4 x 1/2	75 11/4	X3	MFE	1122	61	5232	3310
10		2	R-20 1/4 x 1/2	75 11/4	X4	MFE	1122	61	5232	3310
11		4	R-55 1/4 x 1/4	7 1/8	X5		1124	59	2689	3306
12		2	R-27 x 3/8	2 6/8	X6		1203	59	175	3306
13		2	R-14 1/2 x 3/8	1 6/8	X7	UM	1201	59	60	3306
14		4	R-8 x 3/8	1 5/4	X8		1204	59	59	3306
15		2	R-18 1/2 x 3/8	1 7/8	X9	UM	1202	59	75	3306
16		2	R-17 1/4 x 1/2	2 3/4	X10		1206	59	133	3306
17		4	R-14 1/2 x 1/2	2 3/8	X11	UM	1125	59	226	3306
18		8	R-7 1/2 x 3/8	2 3/8	X12		1208	59	175	3306
19		2	L-4 x 4 x 3/8	2 2/4	X13		1127	59	43	3306
20		2	R-20 x 3/8	2 2/4	X14		1213	59	112	3306
21		4	R-10 x 1/2	1 3/8	X15		1211	59	88	3306
22		4	R-19 1/2 x 3/8	2 3/4	X16		1212	59	228	3306
23		4	R-10 x 1/2	1 7/8	X17		1210	59	111	3306
24		4	R-8 x 3/8	1 7/8	X18		1207	59	65	3306
25		2	R-12 x 3/8	1 2/4	X19			59	36	3306
26		2	R-19 x 1/2	2 3/4	X20		1209	59	147	3306
27		2	R-27 x 3/8	2 3/4	X21		1213	59	156	3306
28		2	R-20 x 3/8	2 3/4	X22		1213	59	116	3306
29		2	L-4 x 4 x 3/8	2 2/4	X23		1214	59	43	3306
30		2	FILLS 4 x 2	1 5/2	X24		1216	59	20	3306
31		4	R-23 x 1/2	3 7/8	X25		1217	59	567	3306
32		12	R-19 1/2 x 3/8	2 4	X26		1218	59	725	3306
33		4	FILLS 27 x 1	1 2/4	X27	MIE	1126	59	167	3306
34		4	FILLS 27 x 1	2 4/4	X28	MIE	1123	60	880	3309
35		96	BARS 3/8 x 3/8	0 3/2	X29		1219	59	125	3306
36										
37										
38		8	S.B.						12	
39		2	1/2 WLD.	410.0					12	
40										
41		354	1" R.V.						12	
42										
43										
44										
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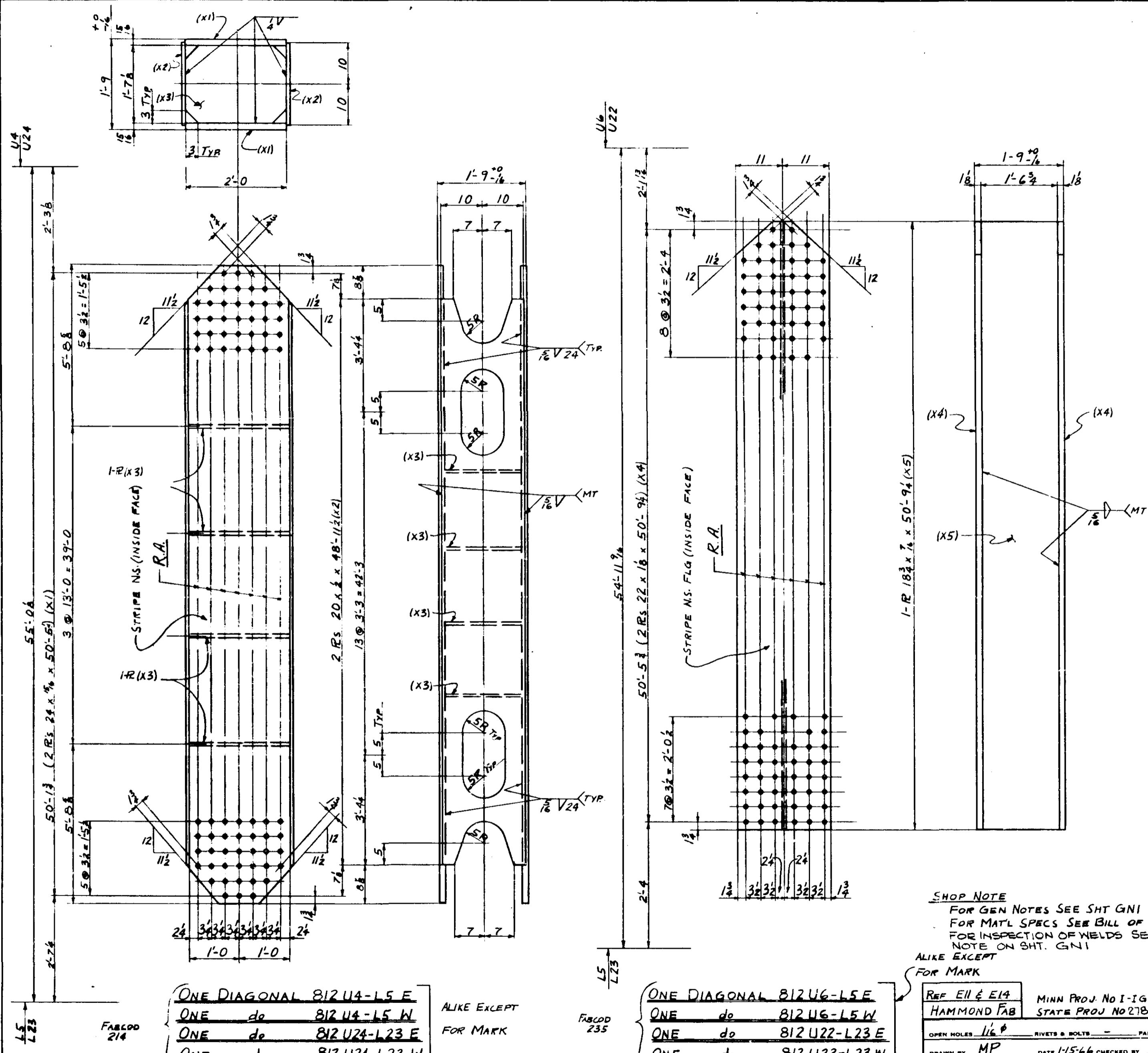
MINN. PROJ. NO. IIG 35W-3(58)112  
 STATE PROJ. NO. 2783-9340BCTH35W394

OPEN HOLES 1 1/2" UN. RIVETS & BOLTS 1" PAINT YES SEE SHT G N1  
 DRAWN BY: N.N. DATE: 2-28-66 CHECKED BY: H.M.H. DATE: 2-24-66

**ALLIED** STRUCTURAL STEEL COMPANY  
 FABRICATORS & ERECTORS  
 1000-100TH STREET, HARBOR, MINN. 55429

Div. #8	UPPER CHORD U4-U6
STRUCTURE	BRIDGE #9340
LOCATION	MINNEAPOLIS, MINNESOTA
OWNER	MINNESOTA STATE HWY. DEPT.
CUSTOMER	MINNESOTA STATE HWY. DEPT.

CONTRACT	3142	FARCOD	215	SHEET	811B
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- FABCOD 214
- ONE DIAGONAL 812U4-L5E
  - ONE do 812U4-L5W
  - ONE do 812U24-L23E
  - ONE do 812U24-L23W
- ALIKE EXCEPT FOR MARK

- FABCOD 235
- ONE DIAGONAL 812U6-L5E
  - ONE do 812U6-L5W
  - ONE do 812U22-L23E
  - ONE do 812U22-L23W
- ALIKE EXCEPT FOR MARK

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

ALIKE EXCEPT FOR MARK

REF E11 & E14  
 HAMMOND FAB

MINN PROJ NO I-1635W-3 (58) 112  
 STATE PROJ NO 2783-93408 (7N35W394)

OPEN HOLES 1/16" RIVETS & BOLTS - PAINT YES SEE SHT GNI

DRAWN BY MP DATE 1-15-66 CHECKED BY H.M.H. DATE 2-9-66

REVISIONS

DIV	ITEM	SHIP NO.	NO. REQ.	SHAPE	LENGTH	PC NO.	REMARKS	ITEM NO.	BID ITEM	TOTAL WEIGHT	MRD
812	1										
	2										
	3										
1	4	ONE		DIAGONAL	812U4-L5E				(24 x 51'-0)		
1	5	ONE		do	812U4-L5W				(24 x 51'-0)		
1	5	ONE		do	812U24-L23E				(24 x 51'-0)		
1	7	ONE		do	812U24-L23W				(24 x 51'-0)		
	8										
	9										
	10	8	R 24 x 1 1/2		50'-5 1/4 X1			1021	60	30858	3309
	11	8	R 20 x 1 1/2		48'-11 1/2 X2			1022	61	3317	3310
	12	16	R 19 1/2 x 3/4		2'-0 X3			1023	59	780	3304
	13										
	14										
	15	4	1/2 FW		20 B					NC	
	16	4	1/2 FW		212 D					NC	
	17										
	18										
	19										
	20										
1	21	ONE		DIAGONAL	812U6-L5E				(22 x 51'-0)		
1	22	ONE		do	812U6-L5W				(22 x 51'-0)		
1	23	ONE		do	812U22-L23E				(22 x 51'-0)		
1	24	ONE		do	812U22-L23W				(22 x 51'-0)		
	25										
	26										
	27	8	R 22 x 1 1/2		50'-9 1/4 X4	UM		1016	60	34179	3309
	28	4	R 18 3/4 x 7/8		50'-9 1/4 X5			1017	61	5664	3310
	29										
	30	4	5/8 FW		203 I					1.0	
	31										
	32										
	33										
	34										
	35										
	36										
	37										
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BID ITEM 59 = 780  
 60 = 65047  
 do 61 = 18981

DIV 8 & 12

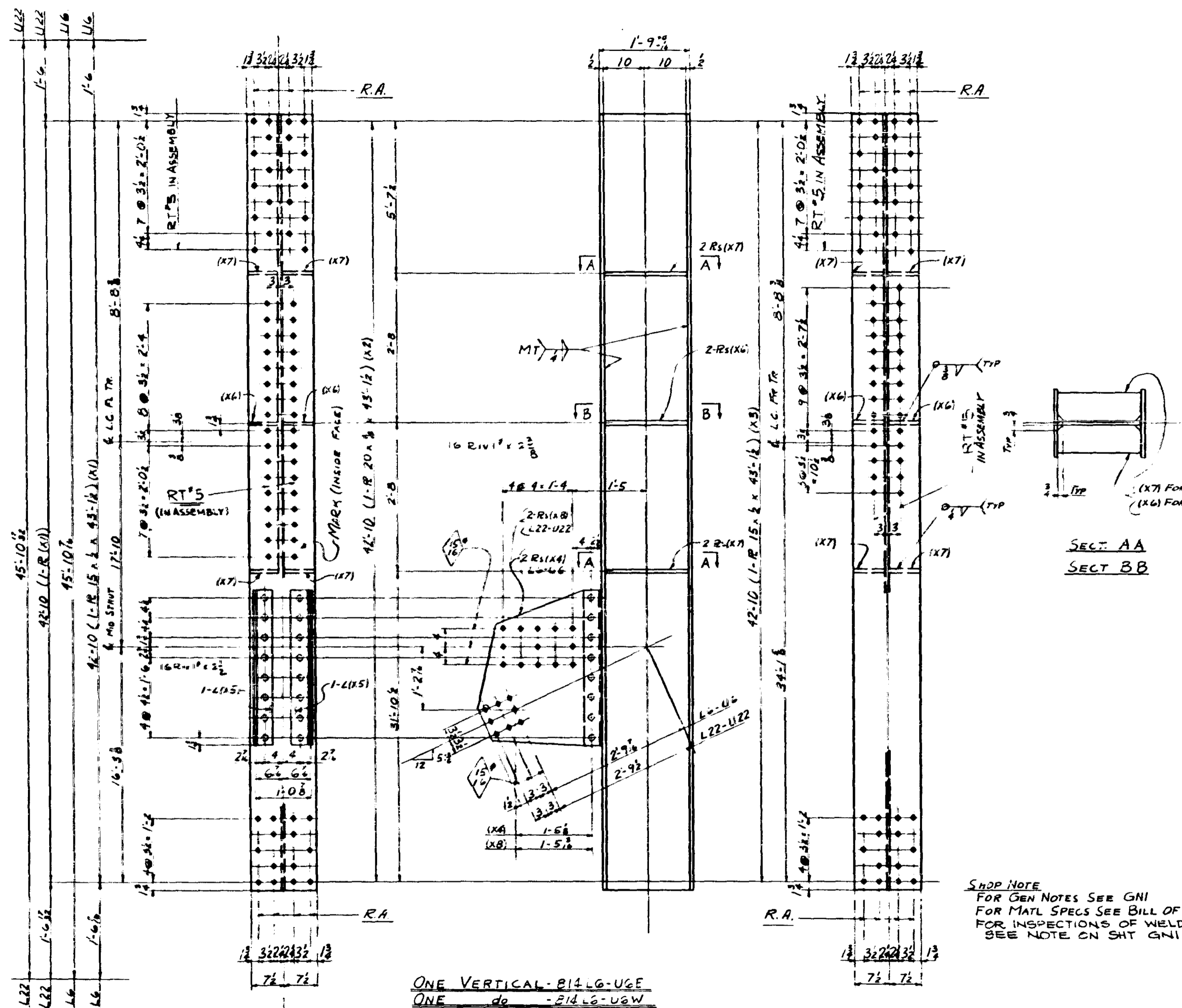
**ALLIED** STRUCTURAL STEEL COMPANY  
 ENGINEERS FABRICATORS ERECTORS  
 1025 16TH STREET, HARBOR, ILLINOIS 62204

DETAILS OF TRUSS DIAGONALS  
 STRUCTURE BRIDGE No 9340  
 LOCATION MINNEAPOLIS MINN  
 OWNER MINN STATE HWY DEPT  
 CUSTOMER MINN STATE HWY DEPT

CONTRACT 3142 FABCOD 235 SHEET 812







- ONE VERTICAL - B14 LG-U6E
- ONE do - B14 LG-U6W
- ONE do - B14 L22-U22E
- ONE do - B14 L22-U22W

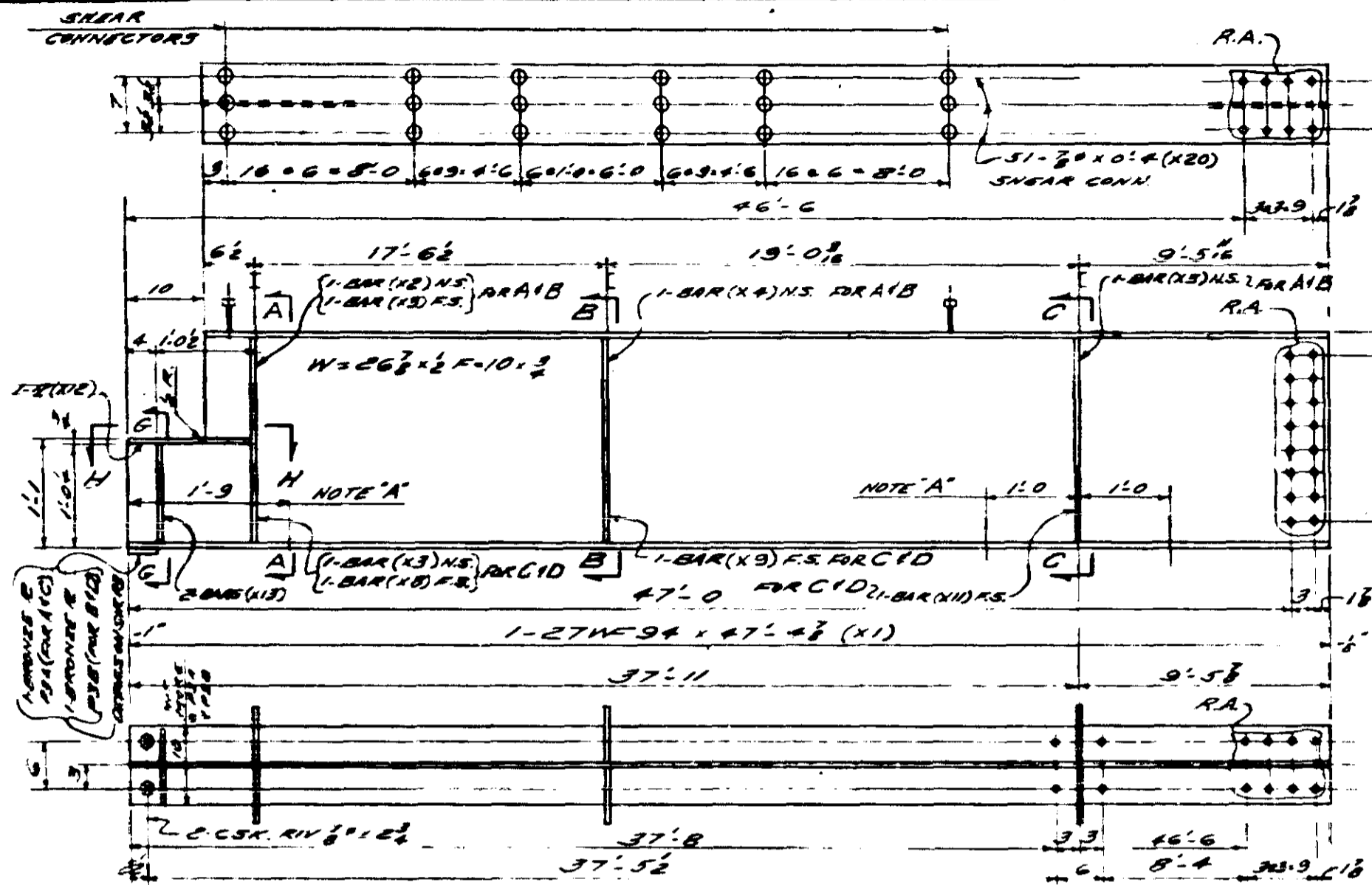
Div	Item	QTY	SHAPE	LENGTH	PC	REMARKS	ITEM NO	TOTAL WEIGHT	MHD
8	12	1							
1	3	ONE	VERTICAL	B14 LG-U6E		(21 x 43-0)			
1	4	ONE	do	B14 LG-U6W		(21 x 43-0)			
1	5	ONE	do	B14 L22-U22E		(21 x 43-0)			
1	6	ONE	do	B14 L22-U22W		(21 x 43-0)			
8	4	R 15 x 2		43 1/2	X1	UM	1002	61	9399
9	4	R 20 x 3		43 1/2	X2		1003	61	9399
10	4	R 15 x 2		43 1/2	X3	UM	1004	61	9399
11	4	R 28 x 3		2 1/2	X4	LG-U6W	1005	59	916
12	8	L 4 x 4 x 3/8		2 1/2	X5		1006	59	229
13	8	BAR 7/8 x 1/8		1 8	X6		1007	59	238
14	16	BAR 7/8 x 1/8		1 8	X7		1007	59	317
15	4	R 28 x 3		2 1/2	X8	L22-U22W	1009	59	916
17	4	1/2 FW		182 10					NC
18	4	3/4 FW		5 4					NC
20		128	1/4 RIV.						NC
21									336
22									2700
23									
24									
25									
26									
27									
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SECT AA  
SECT BB

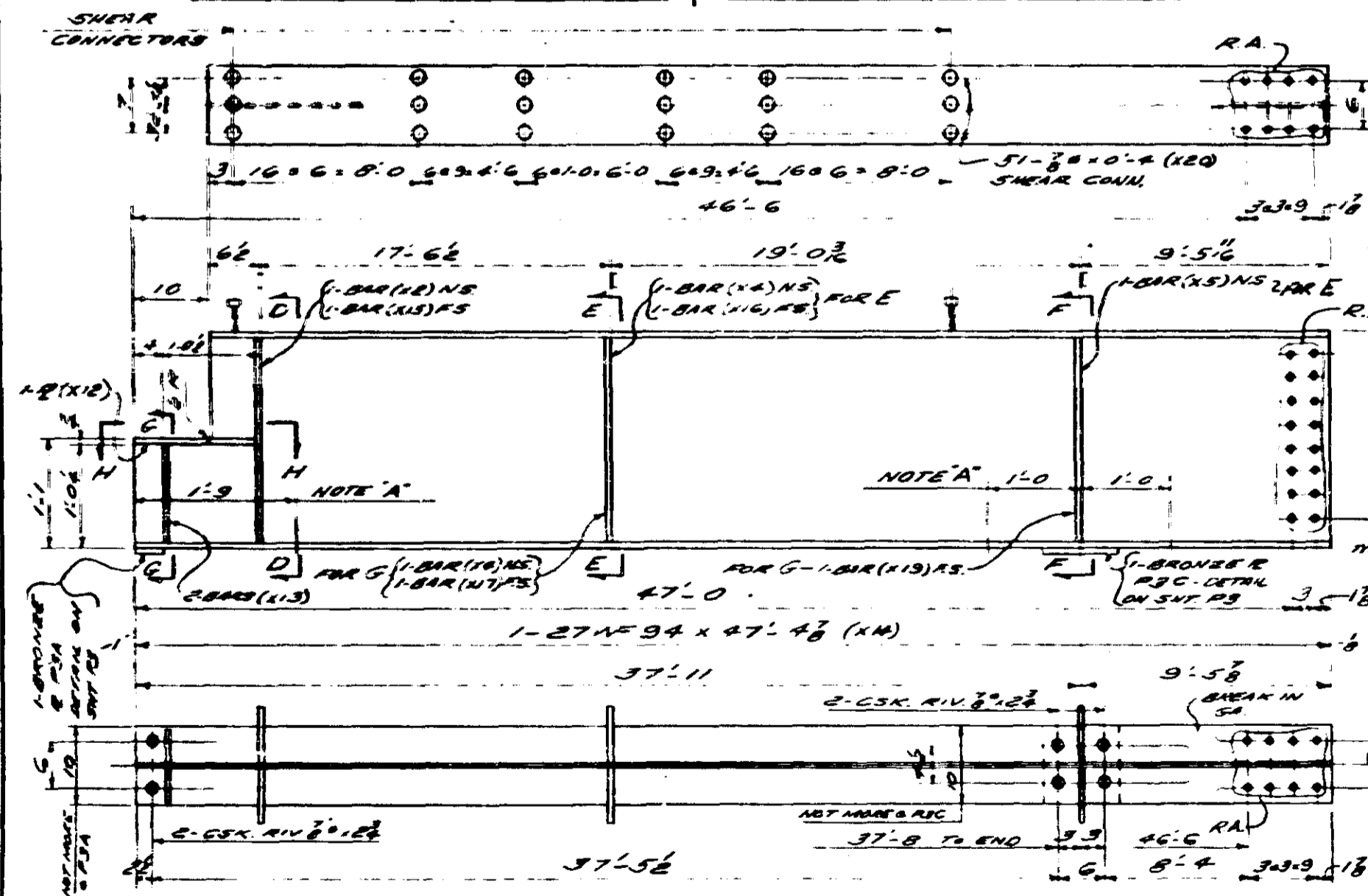
SHOP NOTE  
FOR GEN NOTES SEE GNI  
FOR MATL SPECS SEE BILL OF MATL.  
FOR INSPECTIONS OF WELDS  
SEE NOTE ON SHT GNI

**ALLIED** STRUCTURAL STEEL COMPANY  
 1000 10TH STREET, MINNEAPOLIS, MINN. 55404  
 DIV 8 & 12  
 MINN PROJ No IIG 35W-3(58)112  
 STATE PROJ No 2783 9340B (TH 35W 394)  
 STRUCTURE BRIDGE No 9340  
 LOCATION MINNEAPOLIS MINN  
 OWNER MINN STATE HWY DEPT  
 CUSTOMER MINN STATE HWY DEPT  
 DRAWN BY MP DATE 1/18/66 CHECKED BY H.M.H DATE 2/9/66  
 CONTRACT 3142 FABCOD 235 SHEET 814

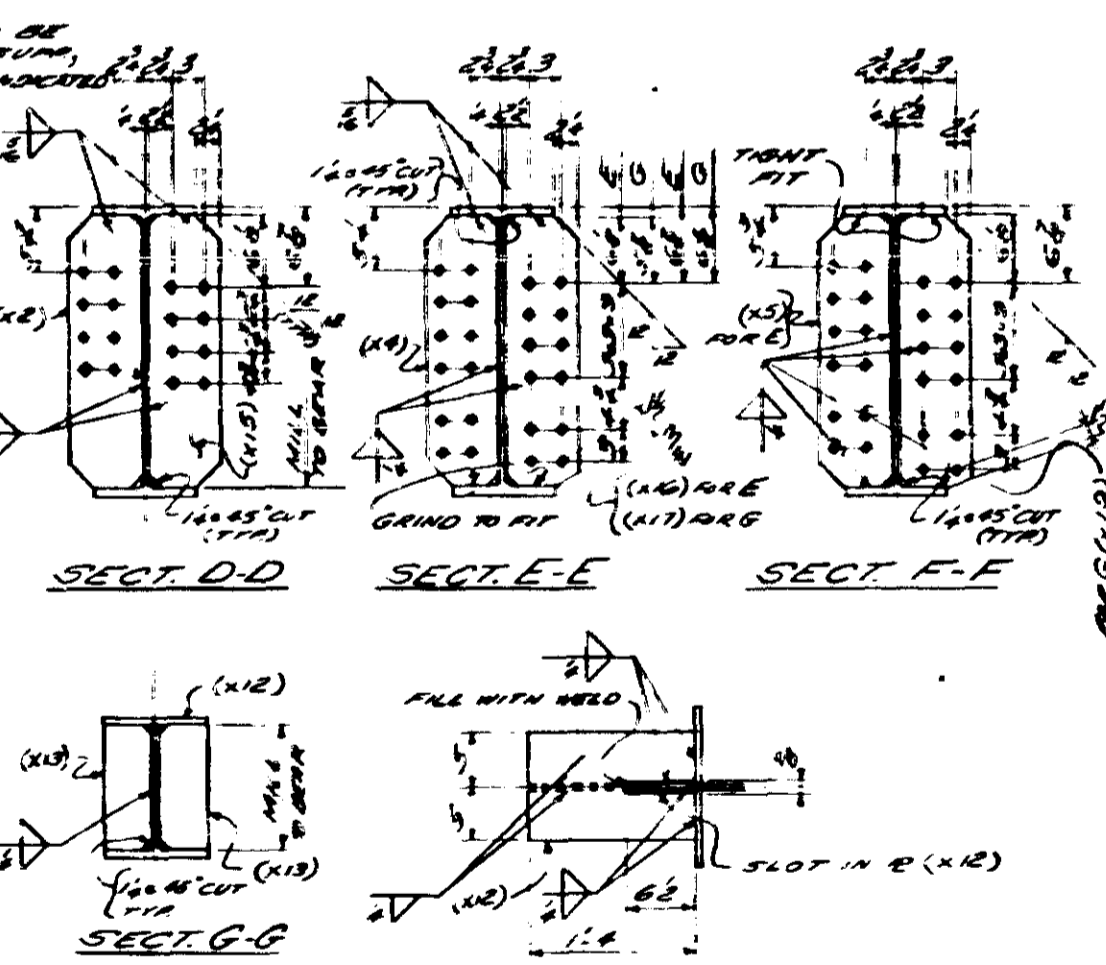
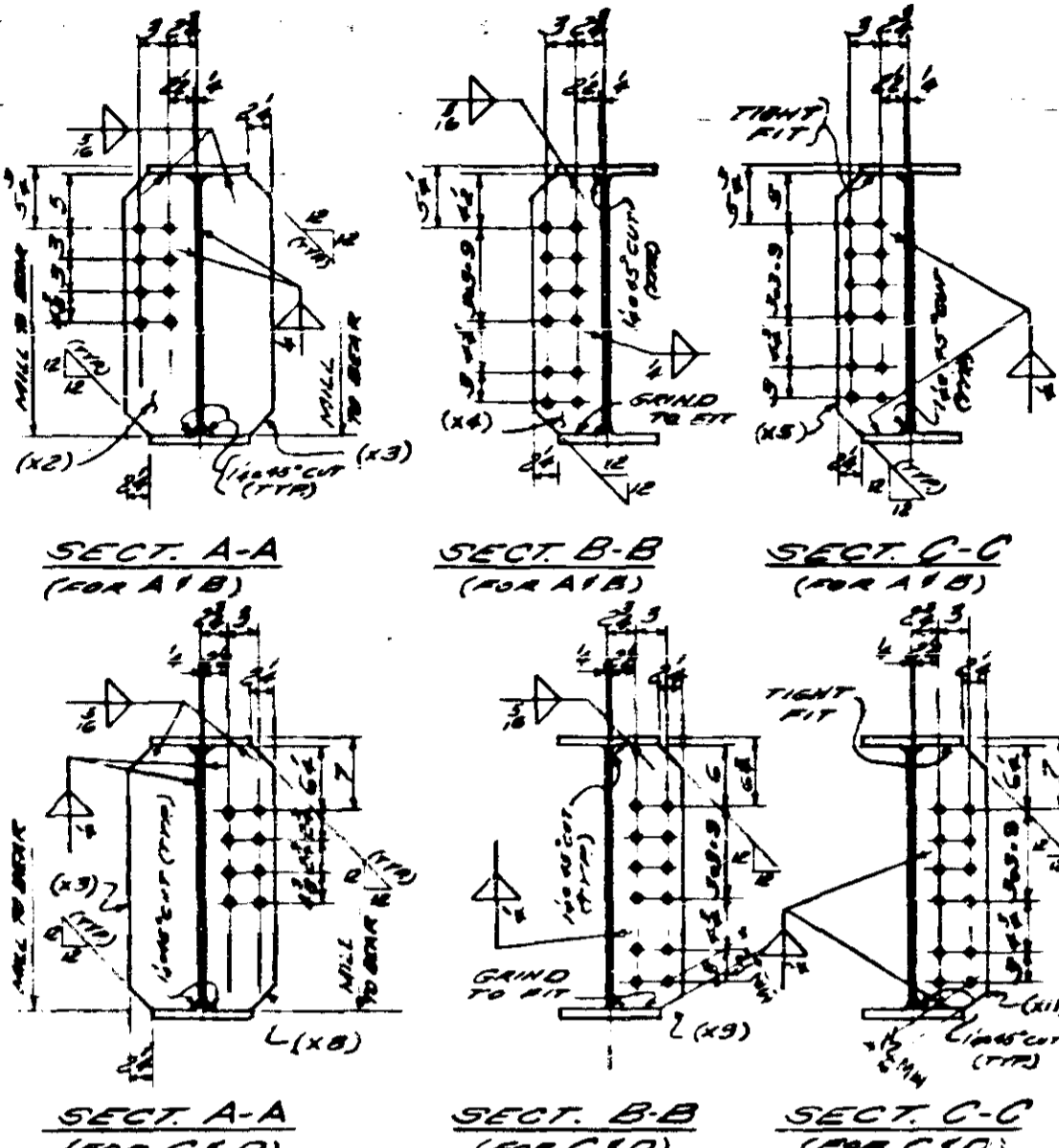
REF E11 & E14



ONE - STRINGER - B15A  
 ONE - STRINGER - B15B  
 ONE - STRINGER - B15C  
 ONE - STRINGER - B15D



ONE - STRINGER - B15E  
 ONE - STRINGER - B15G



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

ITEM NO.	QTY	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	QTY	TOTAL WEIGHT
1								
2								
3	1	B15A	47'-0"		(31' x 47'-0")			
4	1	B15B	47'-0"		(31' x 47'-0")			
5	1	B15C	47'-0"		(31' x 47'-0")			
6	1	B15D	47'-0"		(31' x 47'-0")			
7	4	27 W# 94	47'-0"	X1		59	17825	3306
8	2	BARS 7/8"	2'-11/2"	X2	M.I.E.	59		50
9	4	BARS 7/8"	2'-11/2"	X3	M.I.E.	59		100
10	2	BARS 7/8"	2'-11/2"	X4	M.I.E.	59		38
11	2	BARS 7/8"	2'-11/2"	X5	M.I.E.	59		38
12								
13	2	BARS 7/8"	2'-11/2"	X6	M.I.E.	59		50
14	2	BARS 7/8"	2'-11/2"	X7	M.I.E.	59		38
15								
16	2	BARS 7/8"	2'-11/2"	X8	M.I.E.	59		38
17	4	E 101	1'-4"	X9	M.I.E.	59		136
18	8	BARS 7/8"	0'-11/2"	X10	M.I.E.	59		59
19	2	BARS 7/8"	2'-11/2"	X11	M.I.E.	59		38
20	2	BARS 7/8"	2'-11/2"	X12	M.I.E.	59		38
21	2	BARS 7/8"	2'-11/2"	X13	M.I.E.	59		38
22	2	BARS 7/8"	2'-11/2"	X14	M.I.E.	59		38
23	2	BARS 7/8"	2'-11/2"	X15	M.I.E.	59		38
24	4	1/2" WLD	26'-6"					16
25	4	1/2" WLD	1'-9"					16
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38	1	B15E	47'-0"					
39	1	B15G	47'-0"					
40	2	27 W# 94	47'-0"	X16		59	39,2	3306
41	2	BARS	2'-11/2"	X17	M.I.E.	59		50
42	2	BARS 7/8"	2'-11/2"	X18	M.I.E.	59		50
43	2	BARS	2'-11/2"	X19	M.I.E.	59		38
44	1	BAR 7/8"	2'-11/2"	X20	M.I.E.	59		19
45	1	BAR 7/8"	2'-11/2"	X21	M.I.E.	59		19
46	1	BAR	2'-11/2"	X22	M.I.E.	59		19
47								
48	1	BAR 7/8"	2'-11/2"	X23	M.I.E.	59		9
49	2	BARS	2'-11/2"	X24	M.I.E.	59		28
50	4	BARS	2'-11/2"	X25	M.I.E.	59		29
51	2	BARS 7/8"	2'-11/2"	X26	M.I.E.	59		257
52	2	BARS 7/8"	2'-11/2"	X27	M.I.E.	59		38
53	2	BARS 7/8"	2'-11/2"	X28	M.I.E.	59		38
54	2	CSK RIV 5/8"						16
55								
56	2	1/2" WLD	26'-6"					16
57	2	1/2" WLD	1'-9"					16
58								
59								
60								
61								
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68								
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71								

**ALLIED** STRUCTURAL STEEL COMPANY  
 1400 14TH STREET NE, MINNEAPOLIS, MINN. 55412

MINN. PROJ. NO. I-16-35W-3 (58) 112  
 STATE PROJ. NO. 2783-9340B (TK35W394)

DIVISION #8  
 MANHATTAN RAB

STRUCTURE: BRIDGE NO. 3340  
 LOCATION: MINNEAPOLIS, MINNESOTA  
 OWNER: MINNESOTA STATE HWY. DEPT.  
 CUSTOMER: MINNESOTA STATE HWY. DEPT.

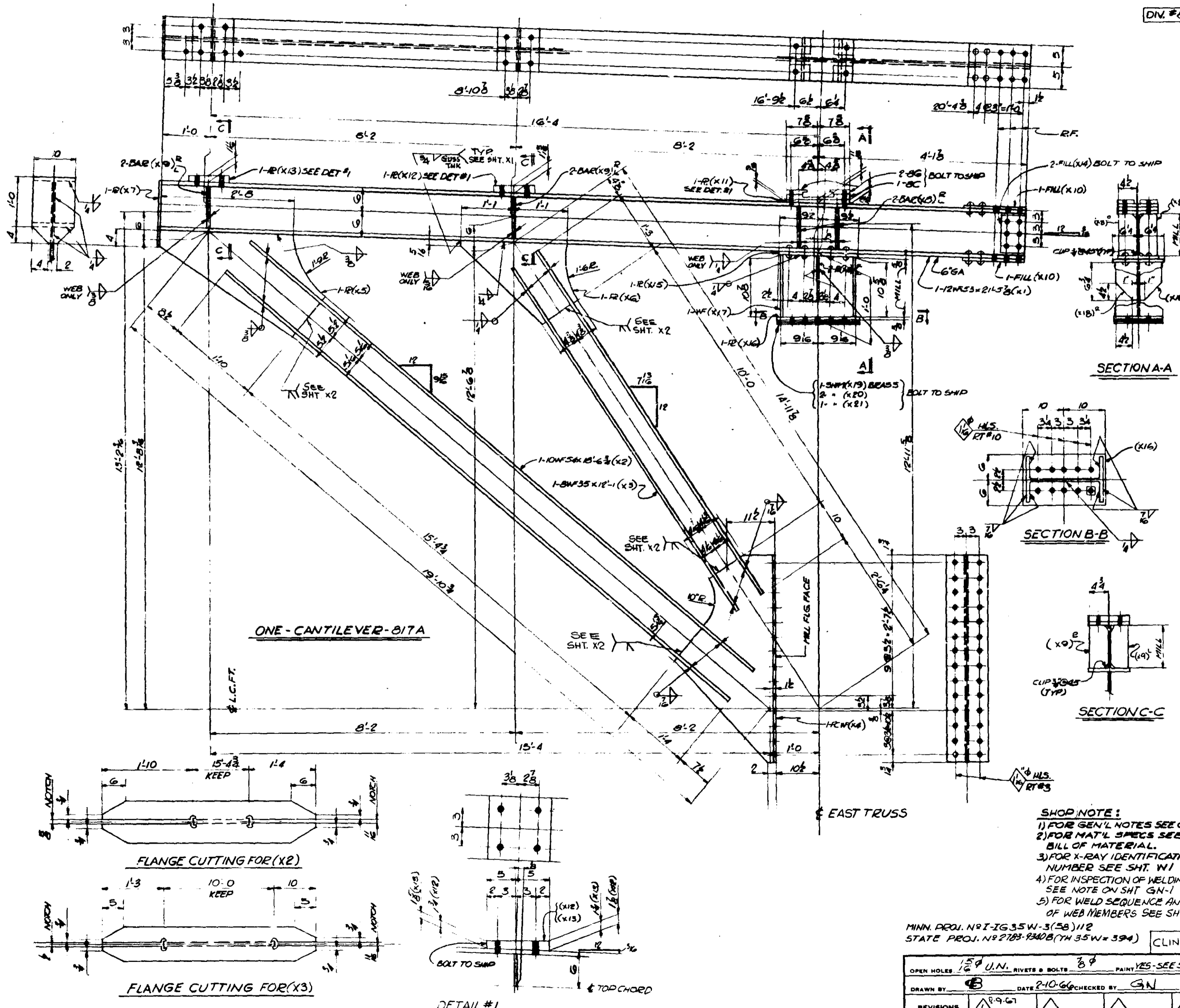
OPEN HOLES 15" RIVETS 3" PAINT SHEET GN-1  
 DRAWN BY: J.E. DATE: 1-1966 CHECKED BY: K.L.K. DATE: 2-10-66

REF. DWG. 65 REVISIONS:  $\Delta$   $\Delta$   $\Delta$   $\Delta$

CONTRACT 3142 FABCOD 274 SHEET 815







NO.	QTY	SHAPE	LENGTH	PC	REMARKS	WEIGHT	TOTAL WEIGHT
DIV. #8							
4	1	BIT A ONE CANTILEVER (180 X 21-6)					
7	1	12WF53	21 5/8 X 1			59	1139
8	1	10WF58	18 5/8 X 2			1002	1002
9	1	8WF35	12 1/4 X 3			423	423
10	1	PC 30WF108	4 1/4 X 4			441	441
11	1	R 24 X 6	3 1/2 X 5			138	138
12	1	R 19 1/2 X 5	2 1/4 X 6			58	58
13	1	R 10 X 3	1 1/4 X 7			17	17
14	4	BAR 4 1/2 X 1/2	0 10 1/2 X 8	M.P.E		28	28
15	4	BAR 4 1/2 X 1/2	0 10 1/2 X 8	M.P.E		29	29
16	2	FILLS 10 X 1/2	1 3/4 X 10	NO PAY ITEM			
17	1	R 10 X (3-1/2)	1 3/4 X 11	B.I.S.		30	30
18	1	R 10 X (3-1/2)	0 10 1/2 X 8	B.I.S.		51	51
19	1	R 10 X (3-1/2)	0 10 1/2 X 8	B.I.S.		48	48
20	2	FILL 6 X 1/2	0 9 X 4	NO PAY ITEM			
21	1	R 12 X 5	1 7 X 5			42	42
22	1	R 12 X 5	1 7 X 5			43	43
23	1	18WF96	0 10 1/2 X 7	M.P.E		87	87
24	2	R 5 1/2 X 3	0 6 1/2 X 10	M.I.E		11	11
25	1	ROSS SHIP 1/2	1 8 X 9			5	3301
26	2	SHIP 12 X 1/2	1 8 X 10			19	3306
27	1	R 12 X 14	1 8 X 10			17	3306
28	4	R	BC	SEE SHIP TO SEE DET #1			
29	1	R	BC	DO			
31							
32	16	3/8 RIV					NC
33	1	1/4 WLD	3 7/8				
34	1	3/8 WLD	3 7/8				
35	1	3/8 WLD	2 3/4				
36	1	1/2 WLD	2 1/4				
37	2	1/2 S.B.					
38	10	3/8 S.B.					
39	1	3/4 WLD	0 5 1/2				
40							
41							
42	2	FILL 10 X 1/2	0 9	PATTERN FOR LINE	NO FABRICATION	59	3
43							
44							
45							
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71							

8 SHOPS

NO	LGTH
8	22
8	23

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

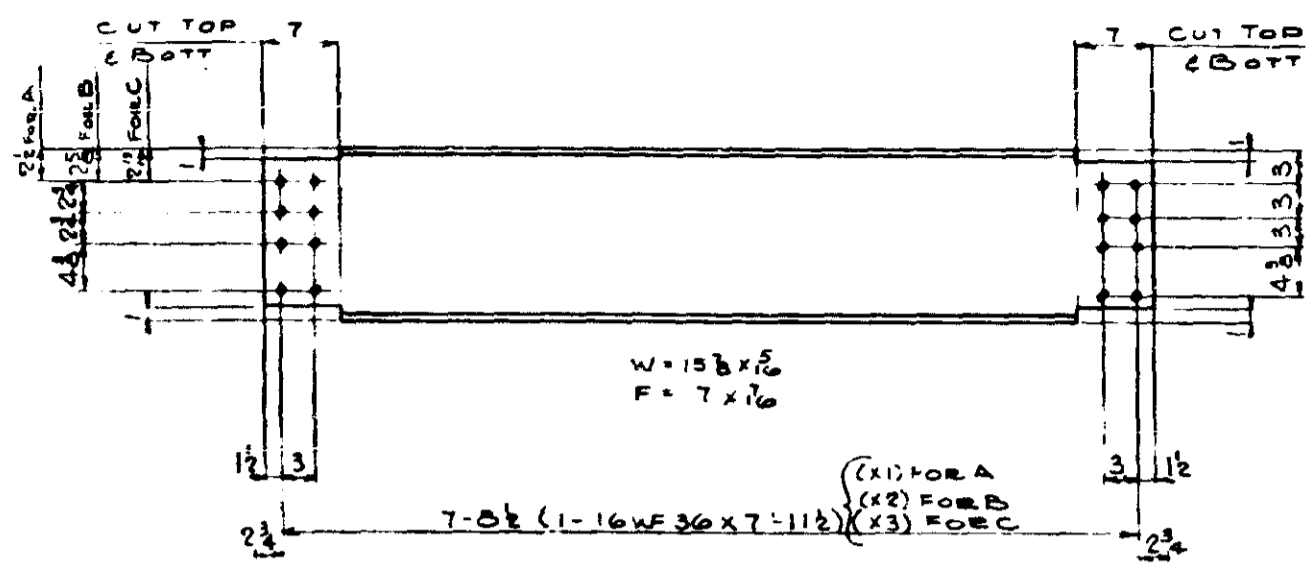
MINN. PROJ. NR I-IG 35 W-3 (58) 112  
 STATE PROJ. NR 2783-9300B (TH 35 W-394)  
 CLINTON FAB.  
 OPEN HOLES 1/2" U.N. RIVETS & BOLTS 3/8" PAINT YES-SEE SHIT GN-1  
 DRAWN BY: [Signature] DATE: 2-10-66 CHECKED BY: GN DATE: [Blank]  
 REVISIONS: [Blank] [Blank] [Blank] [Blank] [Blank]

**ALLIED** STRUCTURAL STEEL COMPANY  
 1000 15TH STREET, HANDBOOK, MINNAPOLIS, MINN.  
 DETAILS OF: CANTILEVER @ FT 5 (EAST TRUSS)  
 STRUCTURE: BRIDGE NO. 9340  
 LOCATION: MINNEAPOLIS, MINNESOTA  
 OWNER: MINNESOTA STATE HWY. DEPT.  
 CUSTOMER: MINNESOTA STATE HWY. DEPT.  
 CONTRACT 3142 FARCOD 244 SHEET 817

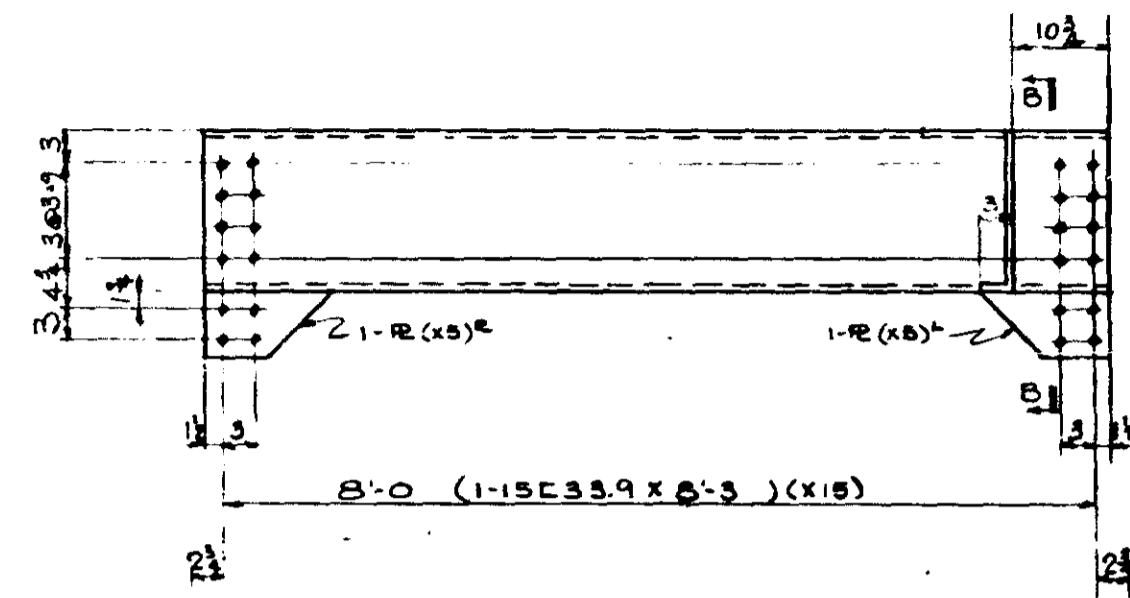
MICRO-FRAME



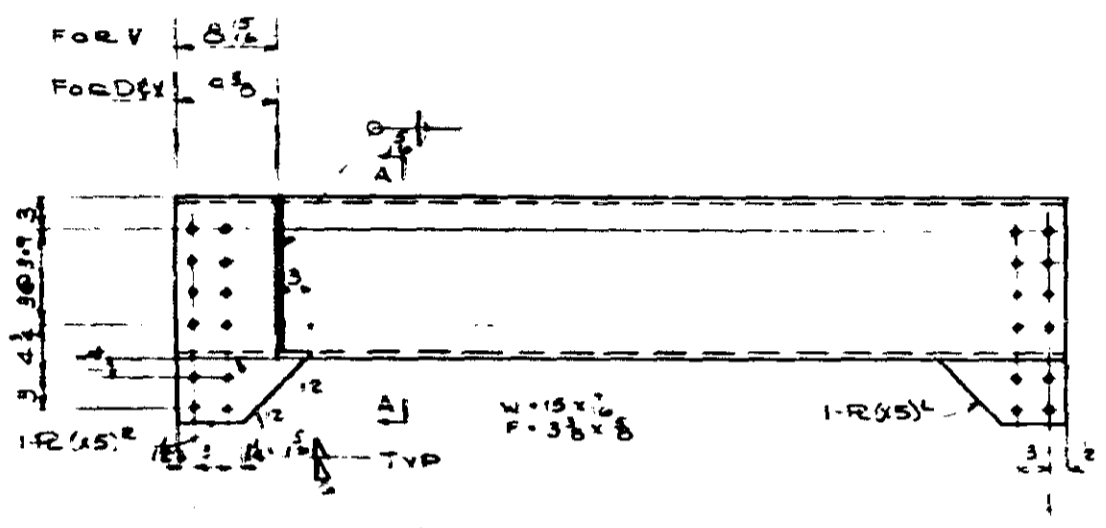




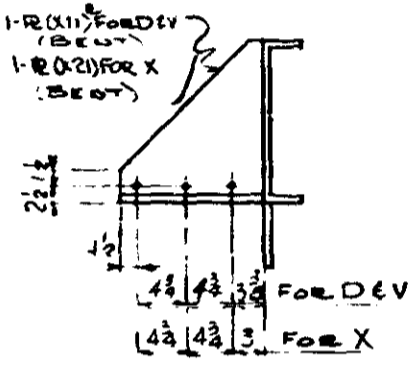
45-DIAPHRAGMS-819A
1- Do -819B
7- Do -819C



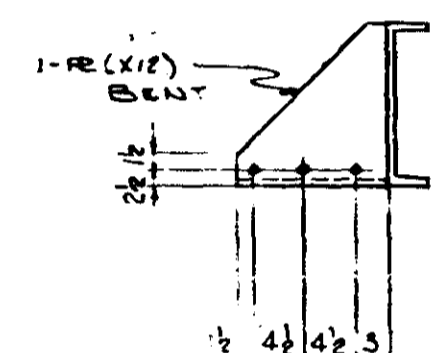
ONE-DIAPHRAGM-819Z



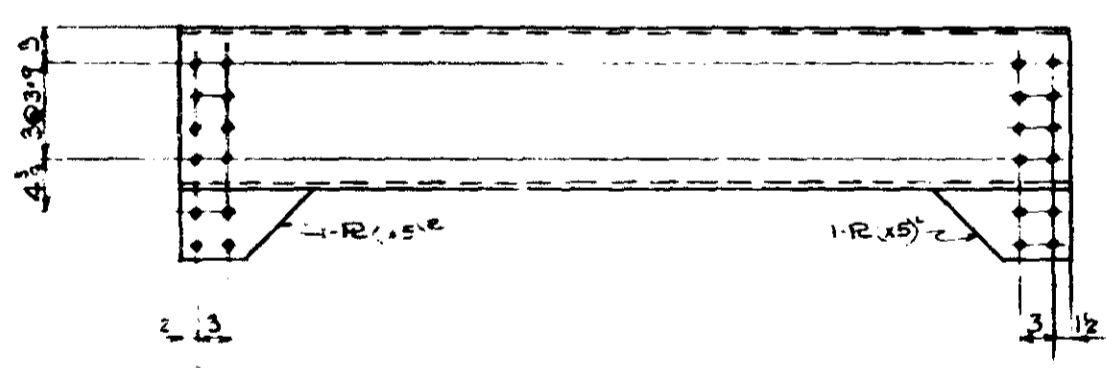
ONE-DIAPHRAGM-819D
2- Do -819D
ONE- Do -819V
ONE- Do -819X



SECTION A-A

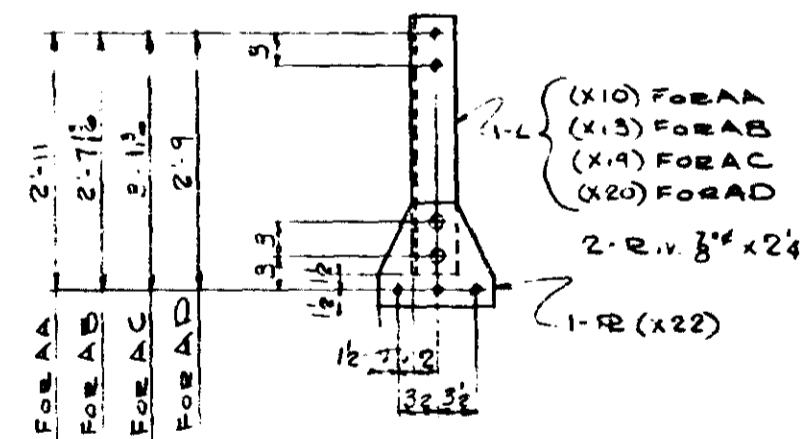


SECTION B-B



FOR G	7-02 (1-15E33.9X7-112) (X7)
FOR H	7-02 (1-15E33.9X7-112) (X8)
FOR K	7-02 (1-15E33.9X7-112) (X9)
FOR M	7-02 (1-15E33.9X7-112) (X6)
FOR D	7-02 (1-15E33.9X8-02) (X10)
FOR P	7-102 (1-15E33.9X8-12) (X14)
FOR R	8-0 (1-15E33.9X8-3) (X15)
FOR S	8-12 (1-15E33.9X8-42) (X16)
FOR T	8-22 (1-15E33.9X8-52) (X17)

5-DIAPHRAGMS-819G	2-DIAPHRAGMS-819P
5- Do -819H	2- Do -819R
5- Do -819K	2- Do -819S
10- Do -819M	3- Do -819T
2- Do -819N	



ONE-HANGER-819AA (AS SHOWN)
ONE- Do -819AB (OPP HAND)
ONE- Do -819AC (AS SHOWN)
ONE- Do -819AD (OPP HAND)

DIVISIONS		NO.	QTY	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	TOTAL WEIGHT
1	10	1	1						
1	10	2	1						
1	10	3	45	819A	45				
1	10	4	45	16WF36	7 1/2	X1		59	12892
1	10	5							
1	10	6	819B	DIAPHRAGM					
1	10	7	1	16WF36	7 1/2	X2		59	1287
1	10	8							
1	10	9	819C	DIAPHRAGM					
1	10	10	7	16WF36	7 1/2	X3		59	2006
1	10	11							
1	10	12							
1	10	13	819D	DIAPHRAGM					
1	10	14	2	Do					
1	10	15	819V	Do					
1	10	16							
1	10	17	5	15E33.9	7 1/2	X4	FOR D	59	809
1	10	18							
1	10	19	1	15E33.9	8 0/2	X5	FOR V	59	272
1	10	20	8	R 6 X 8	1 1/2	X6		59	46
1	10	21	4	R 6 X 8	1 1/2	X7		59	46
1	10	22	4	R 14 X 8	1 1/2	X8		59	110
1	10	23							
1	10	24	5	F.W. 1/2	5 0				
1	10	25							
1	10	26							
1	10	27	819G	DIAPHRAGM					
1	10	28	819H	Do					
1	10	29	819K	Do					
1	10	30	819M	Do					
1	10	31	819N	Do					
1	10	32	819P	Do					
1	10	33	819R	Do					
1	10	34	819S	Do					
1	10	35	819T	Do					
1	10	36	5	15E33.9	7 1/2	X7	FOR G	59	1252
1	10	37	5	15E33.9	7 1/2	X8	FOR H	59	1352
1	10	38	5	15E33.9	7 1/2	X9	FOR K	59	2161
1	10	39	10	15E33.9	7 1/2	X6	FOR M	59	2700
1	10	40	2	15E33.9	8 0/2	X8	FOR N	59	543
1	10	41	2	15E33.9	8 0/2	X6	FOR P	59	552
1	10	42	2	15E33.9	8 3	X5	FOR R	59	557
1	10	43	2	15E33.9	8 4	X16	FOR S	59	567
1	10	44	3	15E33.9	8 5/8	X7	FOR T	59	862
1	10	45	78	R					
1	10	46	38	F.W. 1/2	2 0				
1	10	47	39	R 6 X 8	1 1/2				
1	10	48							
1	10	49							
1	10	50	819X	DIAPHRAGM					
1	10	51	819Z	Do					
1	10	52	1	15E33.9	8 3	X15	FOR Z	59	280
1	10	53	1	15E33.9	7 1/2	X4	FOR X	59	270
1	10	54	1	R 13 X 8	1 1/2	X12	FOR Y	59	26
1	10	55	2	R 14 X 8	1 1/2	X12	FOR Z	59	54
1	10	56	4	R					
1	10	57	2	F.W. 1/2	5 0				
1	10	58	2	R 6 X 8	1 1/2				
1	10	59							
1	10	60	819AA	HANGER					
1	10	61	819AB	Do					
1	10	62	819AC	Do					
1	10	63	819AD	Do					
1	10	64	1	L 4 X 4 X 1/2	2 1/2	X13	FOR AA	59	29
1	10	65	1	L 4 X 4 X 1/2	2 7/8	X13	FOR AB	59	26
1	10	66	1	L 4 X 4 X 1/2	3 1/4	X12	FOR AC	59	30
1	10	67	1	L 4 X 4 X 1/2	2 9	X12	FOR AD	59	27
1	10	68	4	R 9 X 8	0 10	X22		59	38
1	10	69	8	R 1 V 1/2					
1	10	70							
1	10	71							

SHOP NOTE:  
FOR GEN NOTES  
SEE G01  
FOR MATL SPECS  
SEE BILL OF MATL

**ALLIED STRUCTURAL MICRO-FILMED**  
ENGINEERS & ARCHITECTS  
1000 10TH STREET, HANCOCK, MISSISSIPPI 39201

MINN. PROJ. NO. 1-1035W-3(58)112  
STATE PROJ. NO. 22782-9240B (HWY. 394)

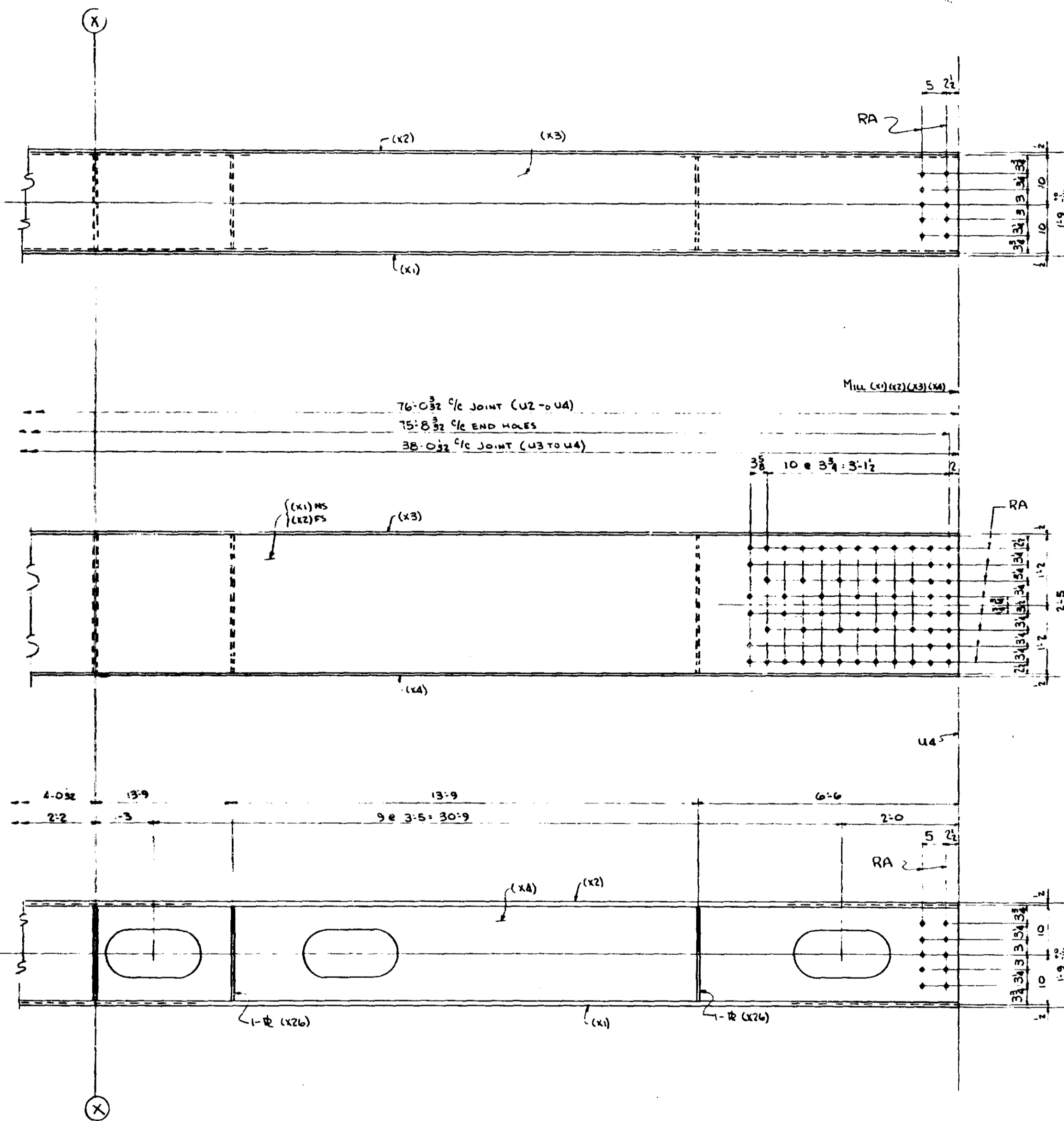
DETAILS OF: **DIAPHRAGMS**  
STRUCTURE: **BRIDGE 199340**  
LOCATION: **NEAR WHEELER, MISSISSIPPI**  
OWNER: **MISSISSIPPI STATE HWY. DEPT.**  
DESIGNED BY: **ALLIED STRUCTURAL ENGINEERS & ARCHITECTS**  
DATE: **3-1-66**

DRAWN BY: **[Signature]** DATE: **3-1-66** CHECKED BY: **[Signature]** DATE: **3-1-66**

REVISIONS: **9/7/66**

CONTRACT: **3142** SHEET: **278** OF **319**





76'-0 3/4" C/C JOINT (U2-U4)  
 75'-8 3/4" C/C END HOLES  
 38'-0 3/4" C/C JOINT (U3-U4)

3 3/8" 10 @ 3 3/4" 3'-1 1/2"

4'-0 3/4" 13'-9" 13'-9" 6'-6" 2'-0"  
 2'-2" 3" 9 @ 3'-5" = 30'-9"

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

LINE NO.	SHIP NO.	NO. REQD.	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	BID ITEM	TOTAL WEIGHT	MHD SPECS.
1										
2		ONE	UPPER CHORD	90' U2-U4		DN 9 (5B x 80-3)				
3		ONE	UPPER CHORD	90' U2-U4						
4										
5										
6	2	2	R 28 x 1	76' 0 3/4"	K1	M2E	901	59	1447	3306
7	2	2	R 28 x 1	76' 0 3/4"	K2	M2E	902	59	1447	3306
8	2	2	R 20 x 2	76' 0 3/4"	K3	M2E	903	59	5168	3306
9	2	2	R 20 x 2	76' 0 3/4"	K4	M2E	904	59	5168	3306
10	4	4	R 17 1/2 x 3	7' 11"	K5		905	59	3853	3306
11	2	2	R 27 x 3	2' 6 1/2"	K6		906	59	175	3306
12	2	2	R 18 1/2 x 3	1' 6 1/2"	K7	UM	907	59	56	3306
13	4	4	R 8 x 8	1' 5 1/2"	K8		908	59	59	3306
14	2	2	R 19 x 3	1' 6 1/2"	K9	UM	909	59	75	3306
15	2	2	R 17 1/2 x 3	2' 3 1/4"	K10		910	59	133	3306
16	4	4	R 27 1/2 x 3	1' 2 1/2"	K11	UM	911	59	226	3306
17	2	2	R 7 1/2 x 3	2' 3 1/2"	K12		912	59	175	3306
18	2	2	L 4 x 4 x 3/8	2' 1 1/2"	K13		913	59	42	3306
19	2	2	R 19 1/2 x 3	2' 2 1/4"	K14		914	59	111	3306
20	4	4	R 10 x 3	1' 3 1/2"	K15		207	59	88	3306
21	4	4	R 19 1/2 x 3	2' 3 1/2"	K16		208	59	228	3306
22	4	4	R 10 x 3	1' 7 1/2"	K17		209	59	111	3306
23	4	4	R 8 x 3	1' 6 1/2"	K18		210	59	62	3306
24	2	2	FILL 12 x 3	1' 2 1/4"	K19		198	59	36	3306
25	2	2	R 18 1/2 x 2	2' 3 1/4"	K20		199	59	141	3306
26	2	2	R 27 x 3	2' 3 1/4"	K21		190	59	156	3306
27	2	2	R 20 x 3	2' 3 1/4"	K22		914	59	116	3306
28	2	2	L 4 x 4 x 3/8	2' 2 1/2"	K23		192	59	43	3306
29	2	2	FILL 4 x 2	1' 5 1/2"	K24		193	59	20	3306
30	4	4	R 23 x 3	3' 7 1/2"	K25		195	59	567	3306
31	12	12	R 19 x 3	2' 4"	K26		197	59	678	3306
32										
33										
34	329		1" RIVETS							
35	2	2	3/16 WLD.	304' 0"						
36	2	2	1/4 WLD.	65' 8"						
37										
38	12		SB							
39										
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**ALLIED** STRUCTURAL STEEL COMPANY  
 1212 14TH STREET, ST. LOUIS, MISSOURI 63102

DN 9  
 HAMMOND FAB.  
 DETAILS OF UPPER CHORD U2-U4  
 BRIDGE NO 9340  
 MINNEAPOLIS, MINNESOTA  
 MINNESOTA STATE HWY. DEPT.  
 MINNESOTA STATE HWY. DEPT.

MINN. PROJ. NO 1-16 35W-3 (SB) 112  
 STATE PROJ. NO 2183-93408 (TH 35W-394)

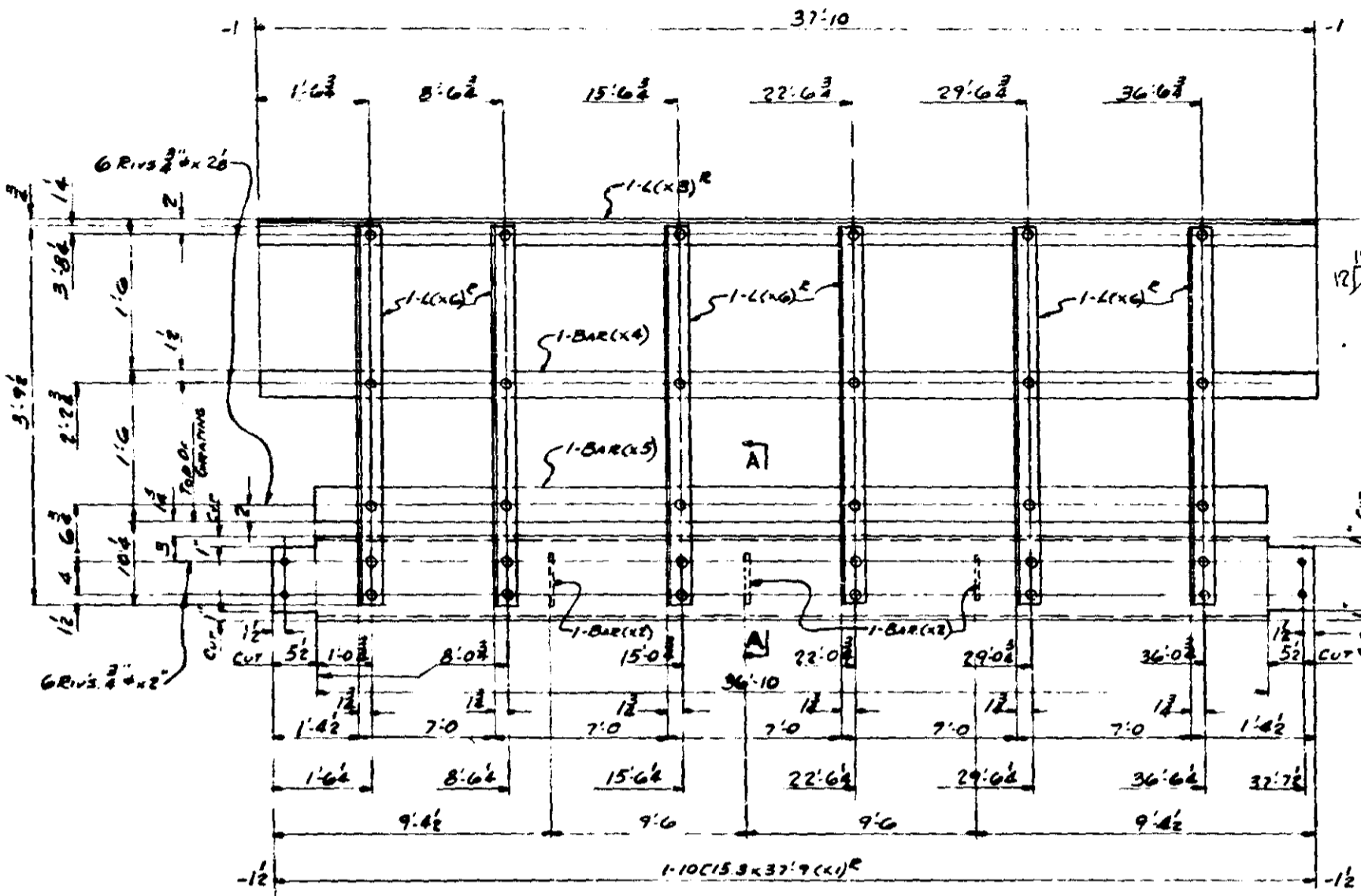
OPEN HOLES 1 1/2" UN RIVETS & BOLTS 1" PAINT YES, SEE SHT. GN-1  
 DRAWN BY JH DATE 1-21-66 CHECKED BY H.M.H. DATE 2-28-66

REV	REVISIONS	DATE
1	△	3-23-67

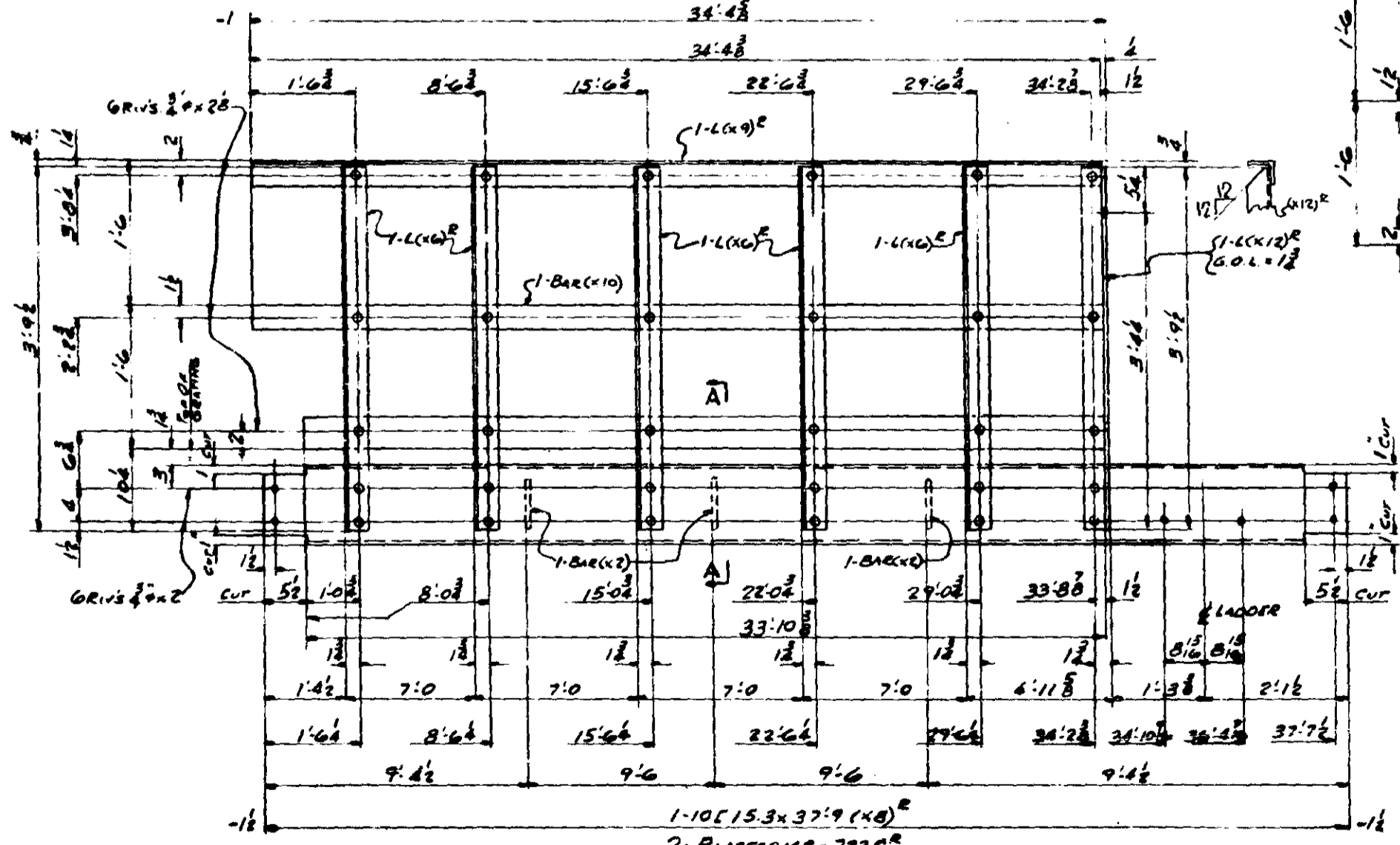
CONTRACT 3142 FABCOD 215 SHEET 901B



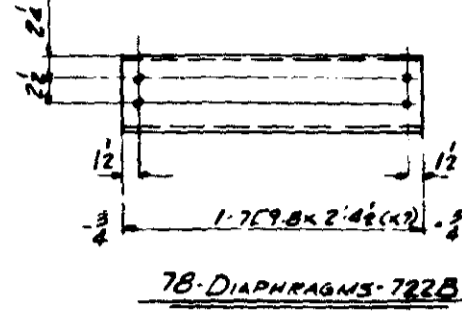




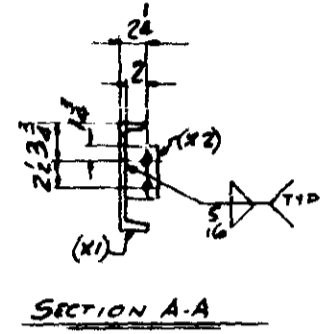
23. PLATFORMS - 722A<sup>R</sup>  
23. PLATFORMS - 722A<sup>L</sup>



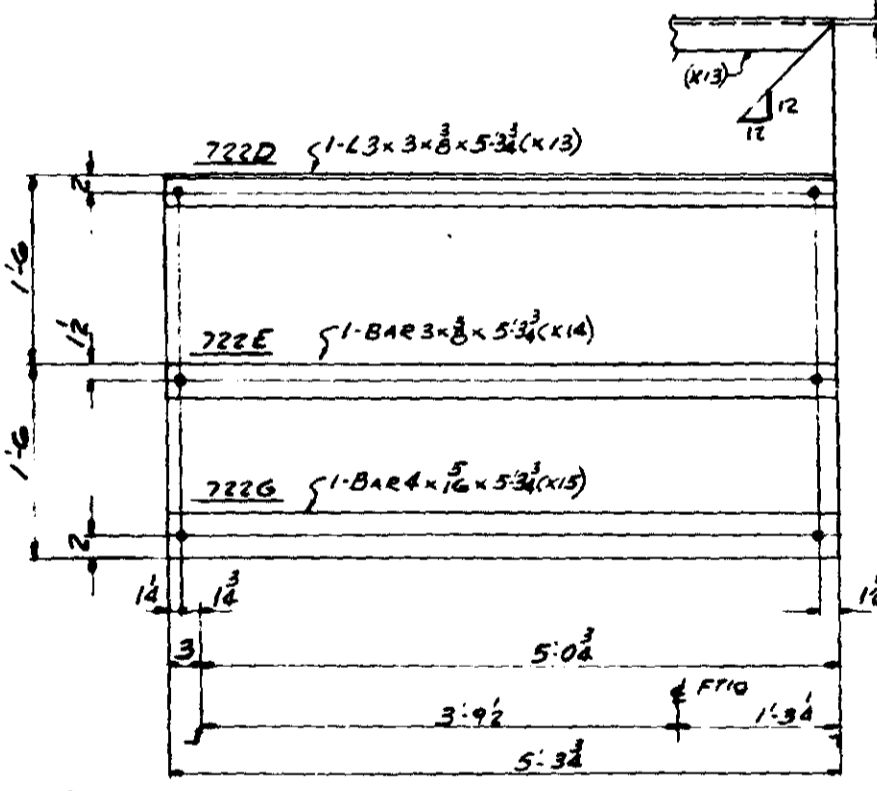
1-10C15.3x37'9 (x4)<sup>R</sup>  
2. PLATFORMS - 722C<sup>R</sup>  
2. PLATFORMS - 722C<sup>L</sup>



72B-DIAPHRAGMS-722B



SECTION A-A



2. ANGLE - 722D  
2. HANDRAIL BAR - 722E  
2. Toe PLATE - 722G

No. 55:  
FOR GEN. NOTES SEE GNI  
MATERIAL SPEC'S SEE BILL OF MATERIALS  
GRIND HANDRAIL TO ELIMINATE BURRS  
ROUGH SURFACES AND SHARP EDGES.

DIVISIONS										ITEM NO.	SHAPE	LENGTH	PC. BK.	REMARKS	TOTAL WEIGHT				
7	8	9	10	11	12	13	14	15	16										
2	2	2	1	2	2	2	1	1	2	4	722A <sup>R</sup>	23	PLATFORMS						
2	2	2	2	2	2	1	1	2	2	4	722A <sup>L</sup>	23	PLATFORMS						
											4								
											5	46	10C15.3	37'9"	X1	7301	59	24569	3306
											6	158	BAR#4	0'4"	X2	7302	59	352	3306
											7	46	L3x3x8	37'10"	X3	7303	59	12530	3306
											8	46	BAR#4	37'10"	X4	7304	59	4465	3306
											9	46	BAR#4	36'10"	X5	7305	59	7201	3306
											10	276	L3x3x8	3'9 1/2"	X6	7306	59	7535	3306
											11	46	7/8 W.L.D.	3'0"		7307		NC	
											12	1380	3/4 R.I.V.S.			7308		NC	
											13								
											14								
											15	722B	78	DIAPHRAGMS					
											16	78	7C9B	2'4 1/2"	X7	7309	59	1816	3306
											17								
											18								
											19	722C	2	PLATFORM					
											20	722C	2	PLATFORM					
											21								
											22	4	10C15.3	37'9"	X8	7310	59	2310	3306
											23	12	BAR		X2	7311	59	31	3306
											24	4	L3x3x8	34'4 1/2"	X9	7312	59	990	3306
											25	4	BAR#4	34'4 1/2"	X10	7313	59	526	3306
											26	4	BAR#4	33'10"	X11	7314	59	576	3306
											27	20	L3		X6	7315	59	546	3306
											28	4	L3x3x8	3'9 1/2"	X12	7316	59	109	3306
											29	4	7/8 W.L.D.	3'0"				NC	
											30	120	3/4 R.I.V.S.					NC	
											31	722D	2	ANGLE					
											32	2	L3x3x8	5'3 1/2"	X13	7317	59	77	3306
											33	722E	2	HANDRAIL BAR					
											34	2	BAR#4	5'3 1/2"	X14	7318	59	41	3306
											35								
											36	722G	2	TOE PLATE					
											37	2	BAR#4	5'3 1/2"	X15	7319	59	45	3306
											38								
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**ALLIED STRUCTURAL STEEL COMPANY**  
ENGINEERS, FABRICATORS, ERECTORS  
1415 15TH STREET, HARBOR, MINN. 55404

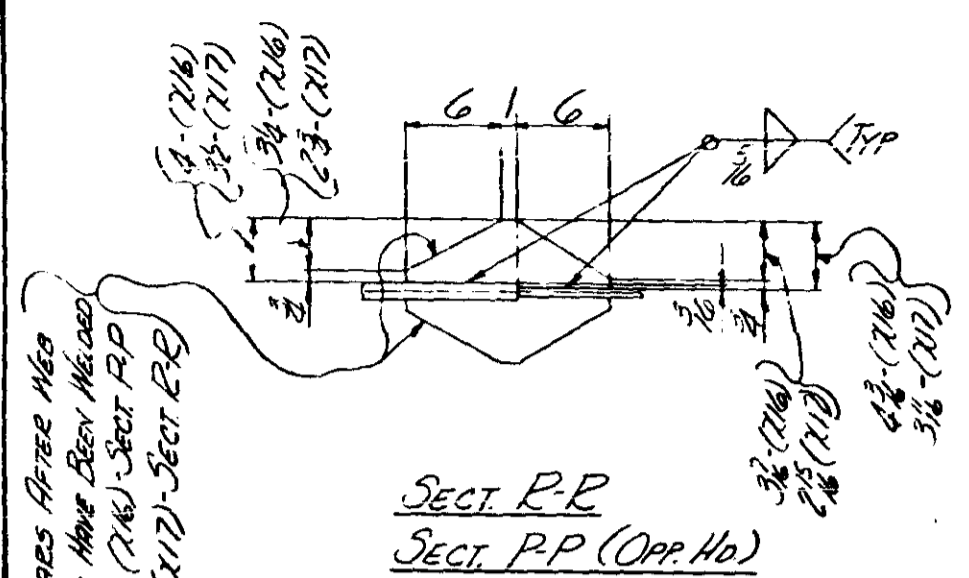
DETAILS OF: **WALKWAY PLATFORMS**  
STRUCTURE: **BIDDING NO. 9500**  
LOCATION: **MINNEAPOLIS, MINNESOTA**  
OWNER: **MINNESOTA STATE HIGH DEPT.**  
CUSTOMER: **MINNESOTA STATE HIGH DEPT.**

MINN. PROJ. NO. I-1635W-3(50)112  
STATE PROJ. NO. 2785 9308 (TH35W394)  
CLINTON FAB.  
OPEN HOLES: 1/8" RIVETS: 3/4" PAINT: YES SEE SHT GNI  
DRAWN BY: L.O. DATE: 2-1-67 CHECKED BY: K.L.K. DATE: 2-18-66

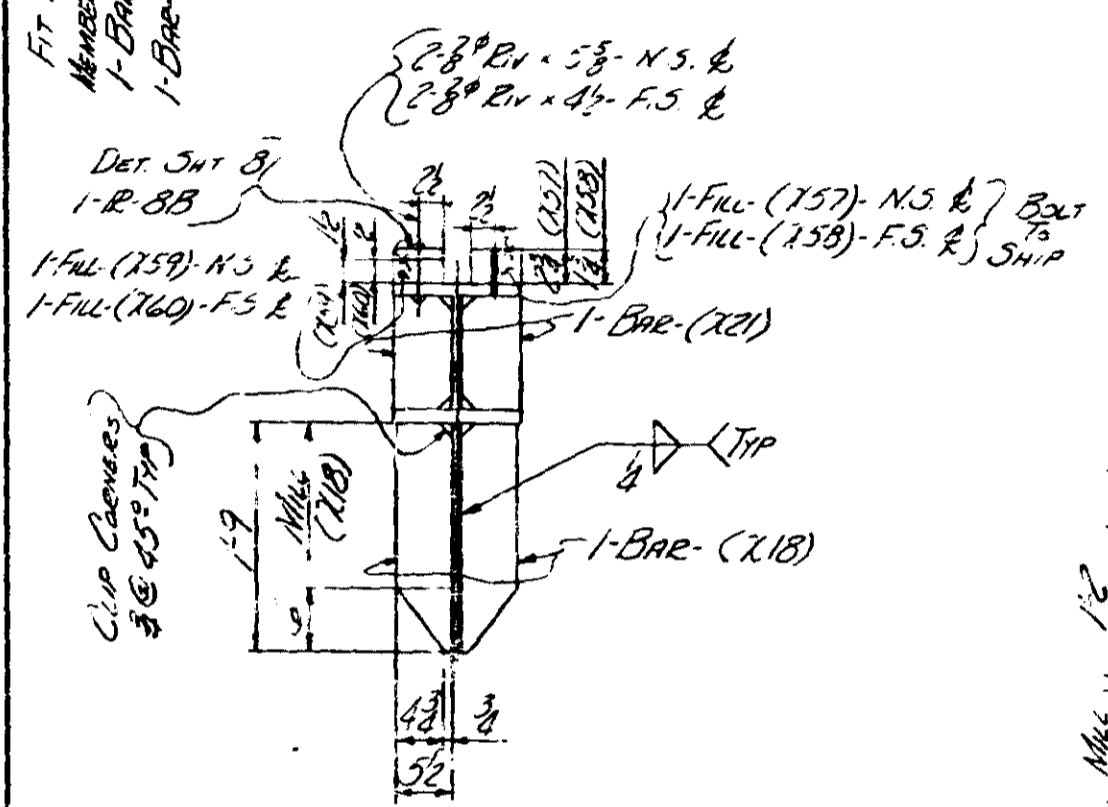
REVISIONS: CONTRACT: 3142 FABCOD: 946 SHEET: 722



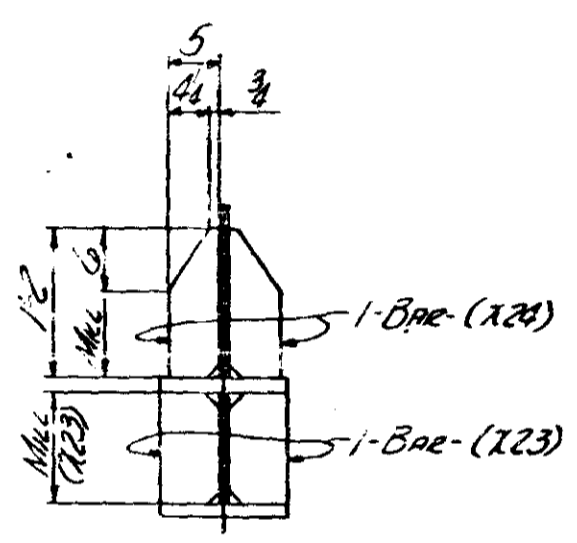




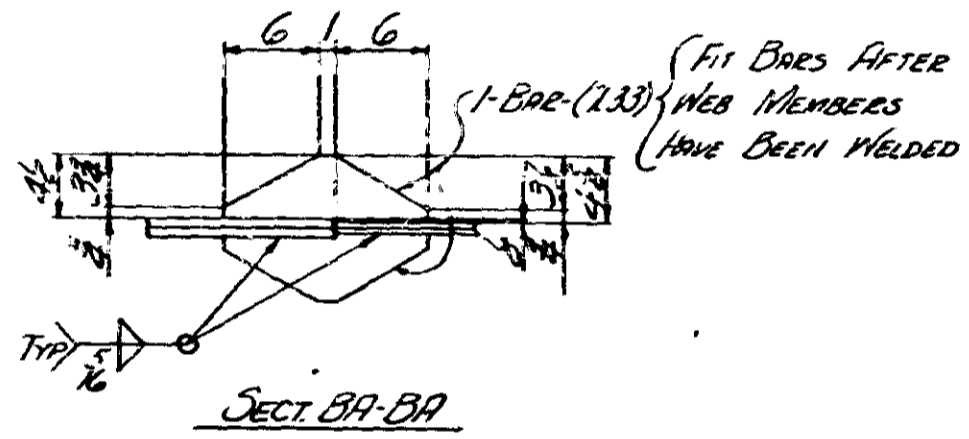
SECT. P-P  
SECT. P-P (Opp. Ho.)



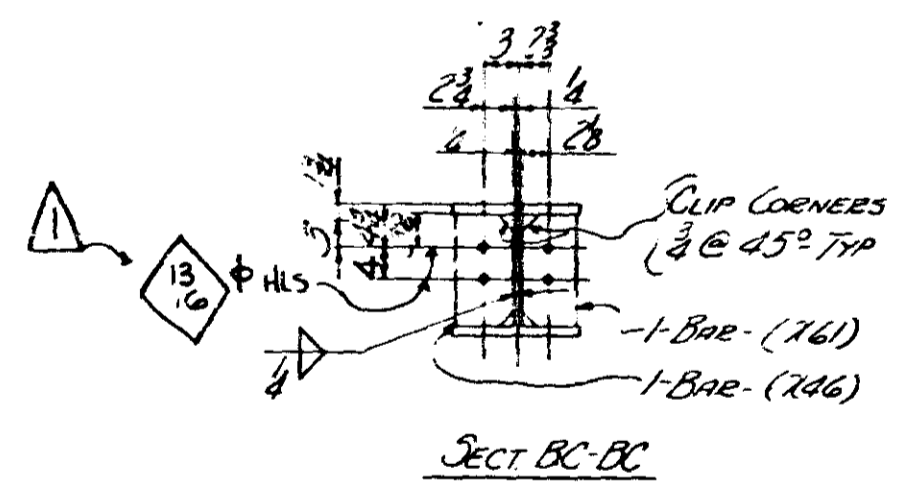
SECT. S-S



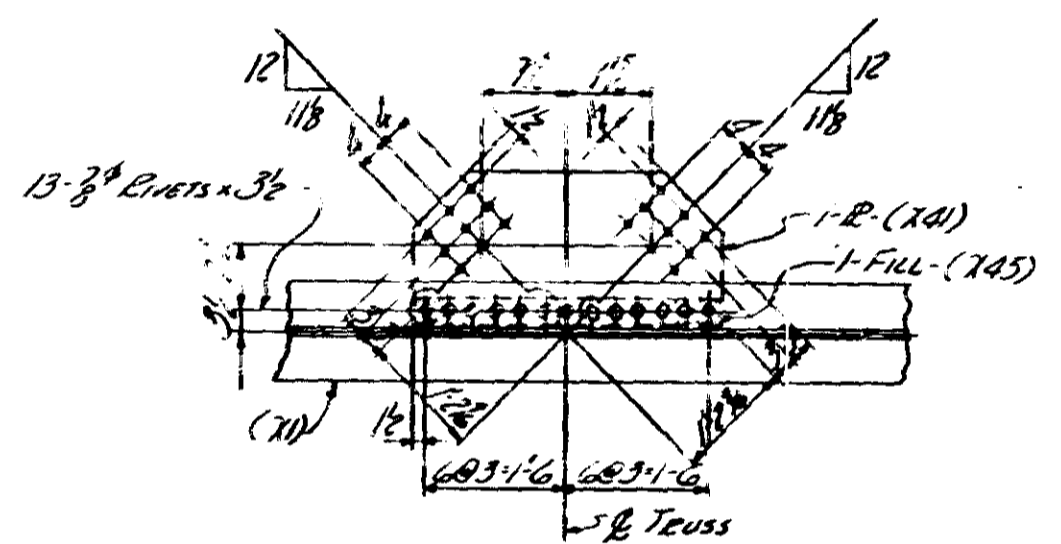
SECT. AA-AA



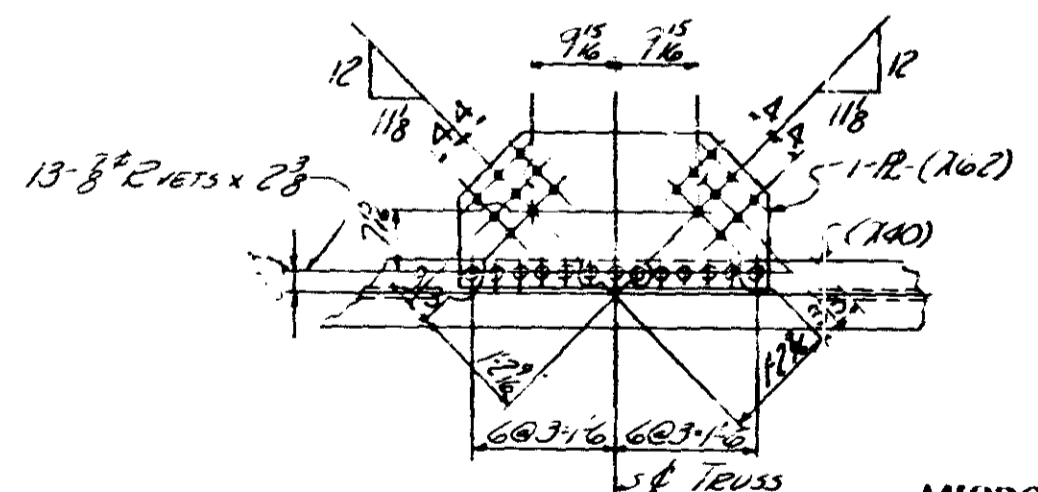
SECT. BA-BA



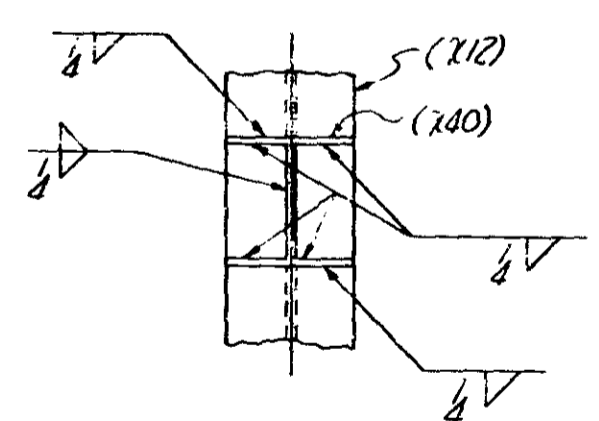
SECT. BC-BC



SECT. V-V



SECT. W-W



SECT. Y-Y

Item No.	Spec. No.	QTY	SHAPE	LENGTH	R. ME.	REMARKS	UNIT	TOTAL WEIGHT	MRD SPEC.
72	1	1	R-24			Det. Smt B			
73	1	1	BAR 5x2 1/2	0 10	157 FIS		415	59	41
74	1	1	BAR 5x1 3/4	0 10	158 FIS		418	59	27
75	1	1	BAR 5x1 1/2	1 34	159 FIS		425	59	35
76	1	1	BAR 5x1 1/2	1 34	160 FIS		426	59	14
77	2	2	BAR 5/2 x 3/4	0 10 1/2	161		448	59	13
78	36	36	50						NC
79	126	126	3/8 Rivet						
80	2	2	3/8 Rivet	0 7 3/4					
81	2	2	3/8 Rivet	0 6 1/2					
82	1	1	R-12 x 3/4	3 9	167		707	59	76
83	1	1	3/4 WLD	7 2					NC
84	1	1	3/4 WLD	10 0					
85	1	1	3/4 WLD	14 0					
86	1	1	3/4 WLD	13 0					
87	1	1	3/4 WLD	7 0					
88	1	1	3/4 WLD	21 6					
89	1	1	3/4 WLD	20 10					
90	2	2	BAR 5/2 x 3/4	0 10 1/2	163		448	59	13
91	1	1	3/4 WLD	3 10					NC

BID ITEM 59 = 25054

MICRO-FILMED  
CLINTON FAB

**ALLIED** STRUCTURAL STEEL COMPANY  
FABRICATORS  
ERECTORS

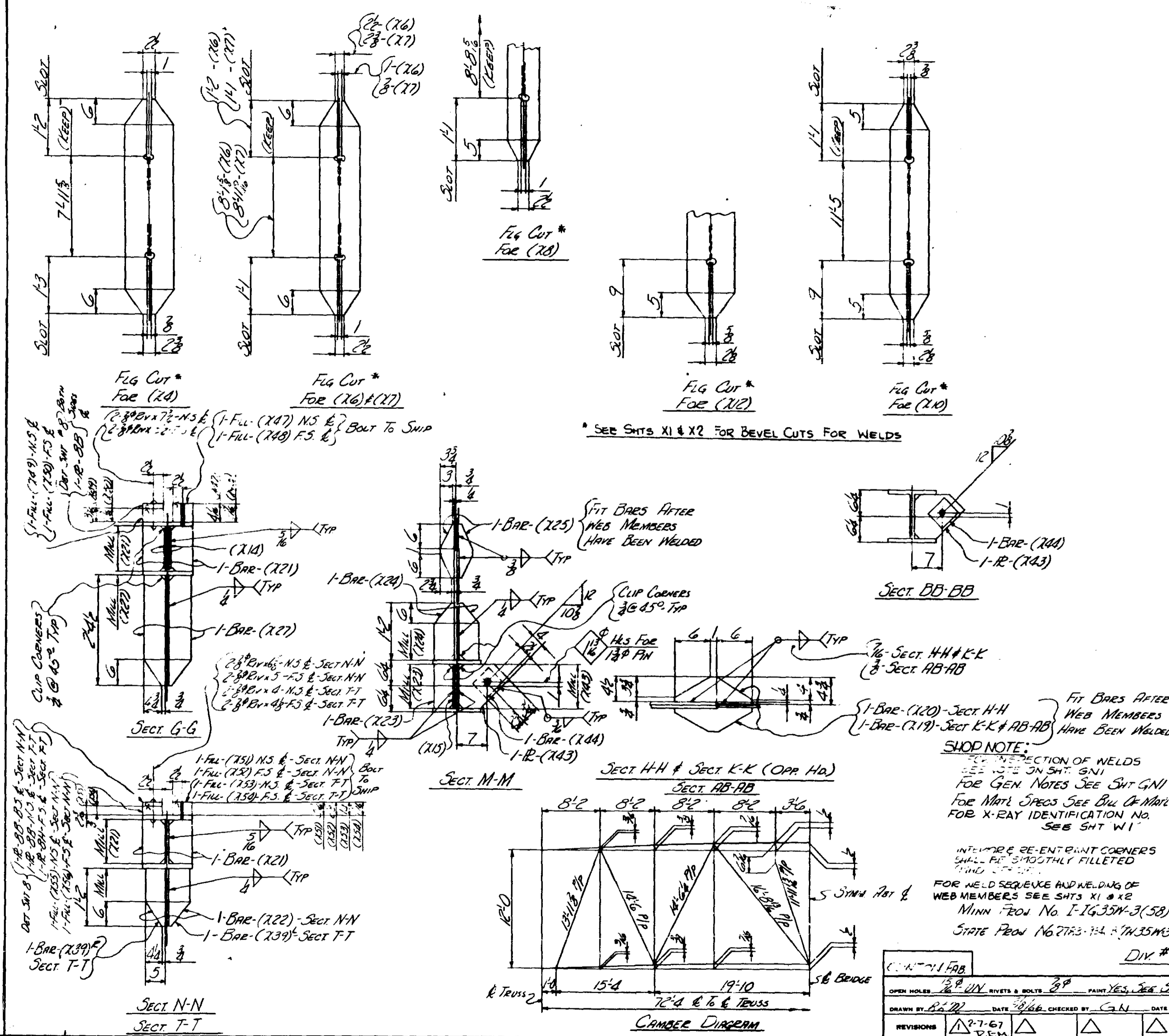
DETAILS OF FLOOR TRUSS @ UB  
BRIDGE NO 9340  
LOCATION MINNEAPOLIS, MINN.  
OWNER MINN. STATE HWY DEPT.  
CUSTOMER MINN. STATE HWY DEPT.

CONTRACT 3142 FABCOD 244 SHEET 723 BC

MINN. PROJ. I-16 35W-3 59, 12  
STATE PROJ. 2783-9340 B (35W-394)

DRAWN BY R.L.M. DATE 2/18/66 CHECKED BY G.N. DATE

REVISIONS: 1-5/18/66, 2, 3, 4



LINE	SHIP NO	NO	SHAPE	LENGTH	PC	REMARKS	ITEM NO	TOTAL WEIGHT	WTD
1	7230	1	FLOOR TRUSS						
2									
3									
4		1	12W106	63.11	21	SEE FIG 25			
5		1	12W106	28.0			59	2969	3306
6		2	12W65	17.118			59	2339	3306
7		1	12W85	68.11	72		59	5858	3306
8									
9		2	R 36W194	4	11.2		402	1928	
10		2	12W92	10.48	74		450	1411	
11		2	R 30W8	5.4	25		428	952	
12		2	10W58	10.48	76		451	1122	
13		2	10W58	11.1	77		452	1202	
14		2	8W35	9.9	28		452	689	
15		2	R 27W8	5.6	29		428	884	
16		2	8W35	13.38	20		452	933	
17		2	R 22W8	5.0	21		428	561	
18		2	8W35	10.48	72		452	728	
19		1	R 23W4	4.6	22		428	176	
20		2	R 22W8	5.4	24		428	215	
21		2	R 22W8	4.0	25		428	59	3306
22		4	BAR 4x4x2	1	216	SEE FIG 25	463	29	3306
23		1	BAR 4x4x2	3	34		59	24	3306
24		4	BAR 3x3x3/8	1	717	SEE FIG 25	59	16	3306
25		1	BAR 3x3x3/8	3	4		59	16	3306
26		4	BAR 5x2x2	1	9	SEE FIG 25	59	58	3306
27		2	BAR 5x2x2	3	14		59	58	3306
28		2	BAR 4x4x3/8	1	29	SEE FIG 25	59	73	3306
29		1	BAR 4x4x3/8	6	26		59	73	3306
30		4	BAR 4x4x3/8	1	1	SEE FIG 25	59	45	3306
31		1	BAR 4x4x3/8	3	22		59	45	3306
32		10	BAR 5x2x2	2	122	SEE FIG 25	59	136	3306
33		4	BAR 5x2x2	1	2	SEE FIG 25	59	33	3306
34		2	BAR 5x2x2	1	2	SEE FIG 25	59	25	3306
35		4	BAR 5x2x2	1	16	SEE FIG 25	59	19	3306
36		4	BAR 5x2x2	1	1	SEE FIG 25	59	16	3306
37		2	BAR 5x2x2	2	42	SEE FIG 25	59	81	3306
38		2	BAR 5x2x2	4	44		59	81	3306
39		4	BAR 4x4x3/8	1	1	SEE FIG 25	59	24	3306
40		1	BAR 4x4x3/8	3	4		59	24	3306
41		4	R 19W8	3	52		428	959	3306
42		4	BAR 5x2x2	2	13		428	25	3306
43		4	6x6x3/8	2	24		428	30	3306
44		4	BAR 5x2x2	1	1	SEE FIG 25	59	10.2	3306
45		4	R 10W8	1	64		428	42	3306
46		4	R 9W8	1	64		428	47	3306
47		4	BAR 5x2x2	1	2	SEE FIG 25	59	3.3	3306
48		2	BAR 5x2x2	1	1.8		59	1.95	3306
49		2	R 17W8	3	34		428	72	3306
50		4	BAR 4x4x3/8	1	1	SEE FIG 25	59	73	3306
51		1	BAR 4x4x3/8	6	26		59	69	3306
52		4	R 23W8	3	3		428	10	3306
53		2	BAR 5x2x2	1	1	SEE FIG 25	59	1.3	3306
54		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
55		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
56		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
57		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
58		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
59		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
60		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
61		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
62		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
63		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
64		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
65		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
66		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
67		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
68		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
69		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
70		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306
71		1	BAR 5x2x2	1	10	SEE FIG 25	463	59	3306

**SLIP NOTE:**  
 FOR INSPECTION OF WELDS  
 SEE NOTE ON SHIT GNI  
 FOR GEN. NOTES SEE SHIT GNI  
 FOR MAT'L SPECS SEE BILL OF MAT'L  
 FOR X-RAY IDENTIFICATION NO.  
 SEE SHIT W1

INTENSIFY RE-ENTRANT CORNERS  
 SHALL BE SMOOTHLY FILLETED  
 AND FINISHED

FOR WELD SEQUENCE AND WELDING OF  
 WEB MEMBERS SEE SHITS XI & X2

MINN FROM NO. I-1635H-3(58)112  
 STATE FROM NO. 2783-12 (IN 35M394)

CONTRACT FAB

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

DRAWN BY R.M. DATE 1/24/66 CHECKED BY C.M. DATE

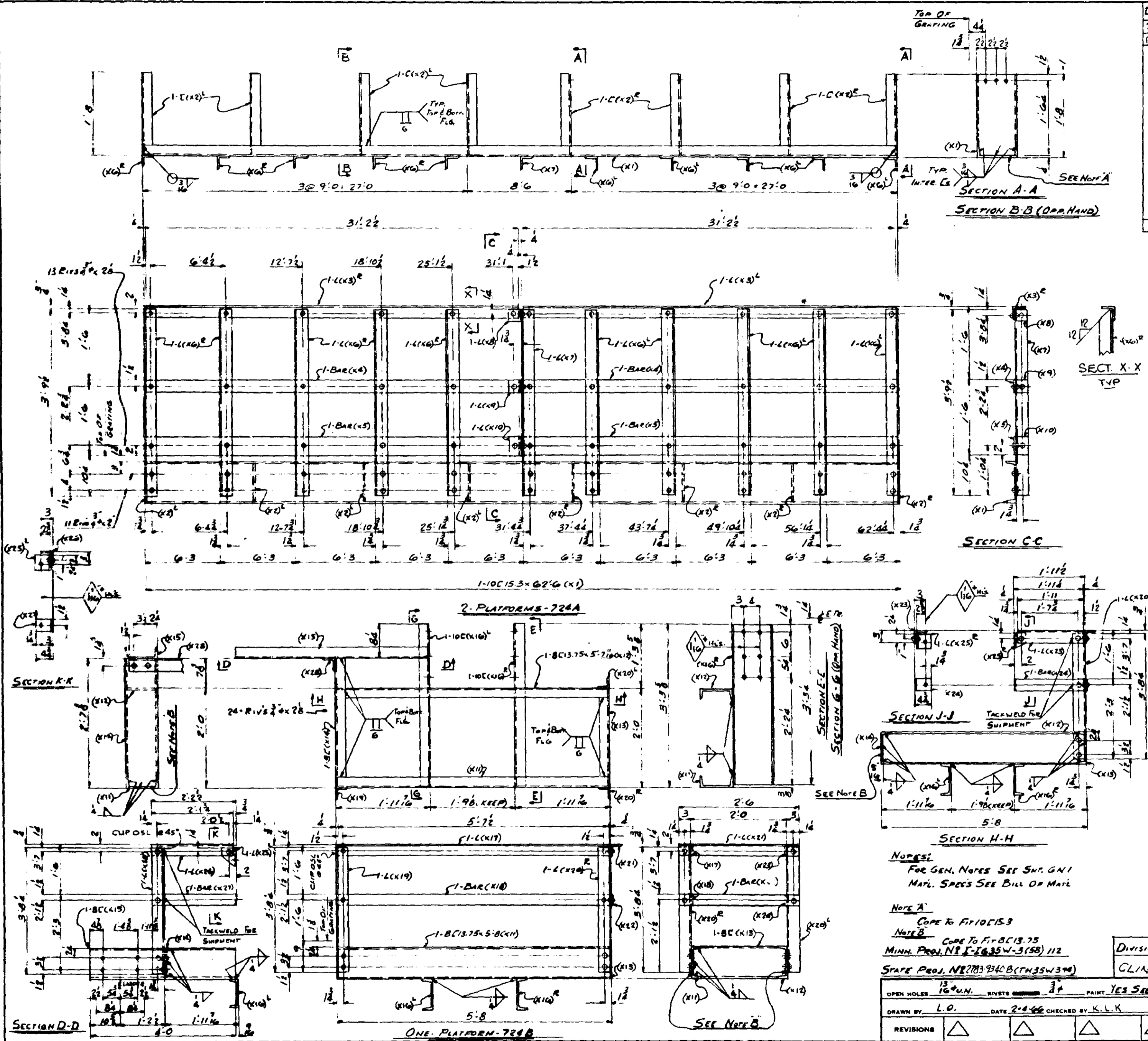
REVISIONS

CONTRACT 3142 FABCOD 244 SHEET 723C

**ALLIED** STRUCTURAL STEEL COMPANY

DETAILS OF FLOOR TRUSS @ UB  
 BRIDGE NO. 1340  
 LOCATION WINNEBAGO, MINN.  
 OWNER MINN. STATE HWY DEPT.  
 CUSTOMER MINN. STATE HWY DEPT.

CONTRACT 3142 FABCOD 244 SHEET 723C



Div	SHIP MK	NO	SHAPE	LENGTH	PC MK	REMARKS	ITEM NO	TOTAL WEIGHT	M.H.Q
1	724A	2	PLATFORMS						
2									
3									
4		2	10C15.3	62.6	X1		7602	59	1913
5		16	10C15.3	1.72	X2		7603	59	403
6		4	L3x3x3/8	31.22	X3		7604	59	897
7		4	BAR 3x3	31.22	X4		7605	59	478
8		4	BAR 3x3	31.22	X5		7606	59	531
9		20	L3x3x3/8	3.92	X6		7607	59	546
10		2	L3x3x3/8	3.92	X7		7608	59	55
11		2	L3x3x3/8	0.22	X8		5	59	3
12		2	L3x3x3/8	0.3	X9		5	59	9
13		2	L3x3x3/8	0.4	X10		5	59	5
14		2	7/8 WLD	15.8					NC
15		122	RIV 3/8						NC
16									
17	724B	One	PLATFORM						
18									
19		1	BC13.75	5.8	X11		7709	59	78
20		1	BC13.75	5.74	X12		7708	59	78
21		1	BC13.75	1.118	X13		7704	59	27
22		1	BC13.75	2.714	X14		7705	59	36
23		1	BC13.75	4.0	X15		7706	59	55
24		2	10C15.3	3.34	X16		7702	59	10.0
25		1	L3x3x3/8	5.71	X17		7708	59	41
26		1	BAR 3x3	5.71	X18		7709	59	22
27		1	L3x3x3/8	3.84	X19		7707	59	27
28		2	L3x3x3/8	3.84	X20		7707	59	53
29		1	L3x3x3/8	2.6	X21		7708	59	18
30		1	BAR 3x3	2.6	X22		7709	59	10
31		1	L3x3x3/8	1.11	X23		7708	59	14
32		1	BAR 3x3	2.38	X24	BENT	7709	59	9
33		2	L3x3x3/8	0.4	X25		7710	59	7
34		1	L3x3x3/8	2.12	X26		7708	59	15
35		1	BAR 3x3	2.6	X27	BENT	7709	59	10
36		1	L3x3x3/8	3.84	X28		7707	59	27
37									
38		1	4 WLD	10.0					NC
39		24	3/8 RIV						NC
40									
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**ALLIED** STRUCTURAL STEEL COMPANY  
 ENGINEERS FABRICATORS Erectors  
 100 WEST STREET, MINNEAPOLIS, MINN. 55402

DETAILS OF PLATFORMS @ 64420  
 STRUCTURE BRIDGE #1 9340  
 LOCATION MINNEAPOLIS, MINNESOTA  
 OWNER MINNESOTA STATE HWY. DEPT.  
 CUSTOMER MINNESOTA STATE HWY. DEPT.

Divisions 7 & 11  
 CLINTON FAB.

OPEN HOLES 1 3/4" DIA. RIVETS 3/8" PAINT YES SEE SIGNI  
 DRAWN BY L.O. DATE 2-4-66 CHECKED BY K.L.K. DATE 2-18-66

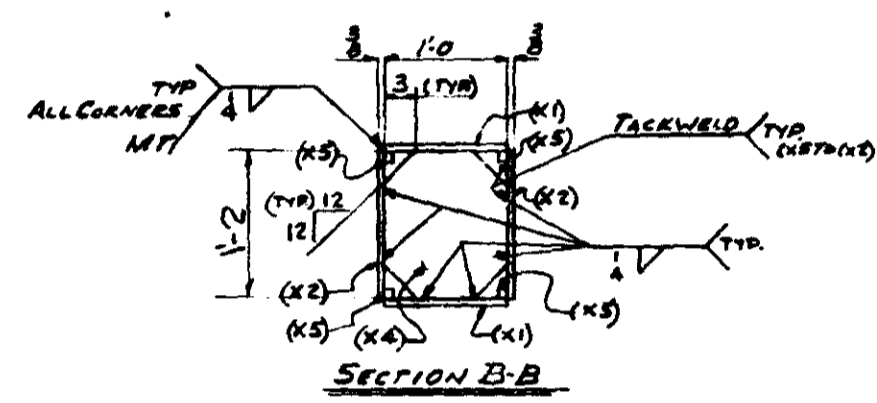
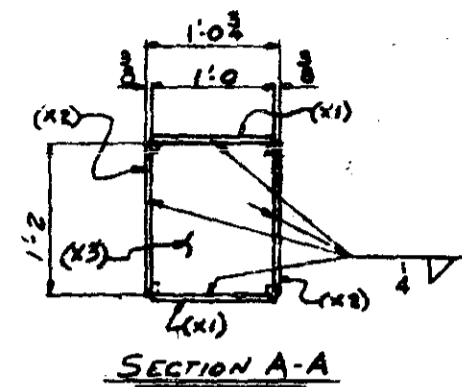
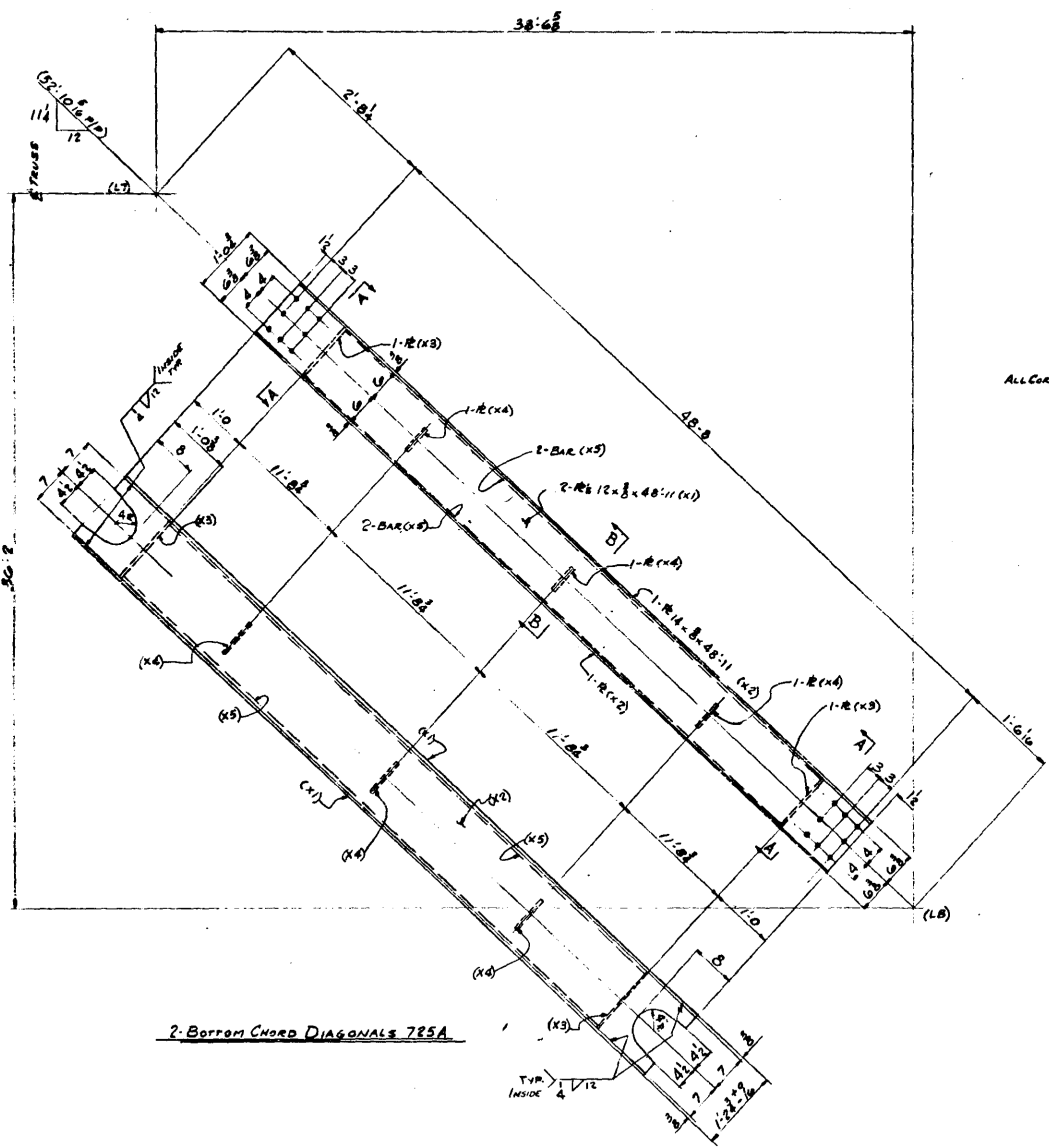
CONTRACT 3142 FABCOD 940 SHEET 724

NOTES:  
 FOR GEN. NOTES SEE SHIP. G-1  
 MAT'L. SPECS SEE BILL OF MAT'L

NOTE A  
 COPE TO FIT 10C15.3

NOTE B  
 COPE TO FIT BC13.75  
 MINN. PROJ. NR 1-2635W-5(58) 112  
 STATE PROJ. NR 7783-9340B (TH35W394)





NOTES:  
 FOR GENERAL NOTES SEE SH. GNI  
 MATL. SPEC.: SEE BILL OF MATL.  
 FOR INSPECTION OF WELDS SEE  
 NOTE ON SH. GNI.

ITEM NO.	QTY	SHAPE	LENGTH	PC. WT.	REMARKS	TOTAL WT.	TOTAL COST
1	2	B.G. DIAGONALS	11'-2"	42.1		84.2	
2							
3	4	R 12x8	48	11		518	2,994
4	4	R 12x8	48	11		518	2,994
5	4	R 12x8	12	11		517	71
6	6	R 12x8	12	11		517	71
7	8	BAR 12x8	40	11		514	180
8	2	A.P.W.L.	8	6			
9							
10							
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BID ITEM 59 E 6845

ALLIED STRUCTURAL STEEL COMPANIES  
 CLINTON BRIDGE CORP. • SAGE 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(5B)112  
 STATE PROJ. NO. 2703-9340B(TH35W-390)

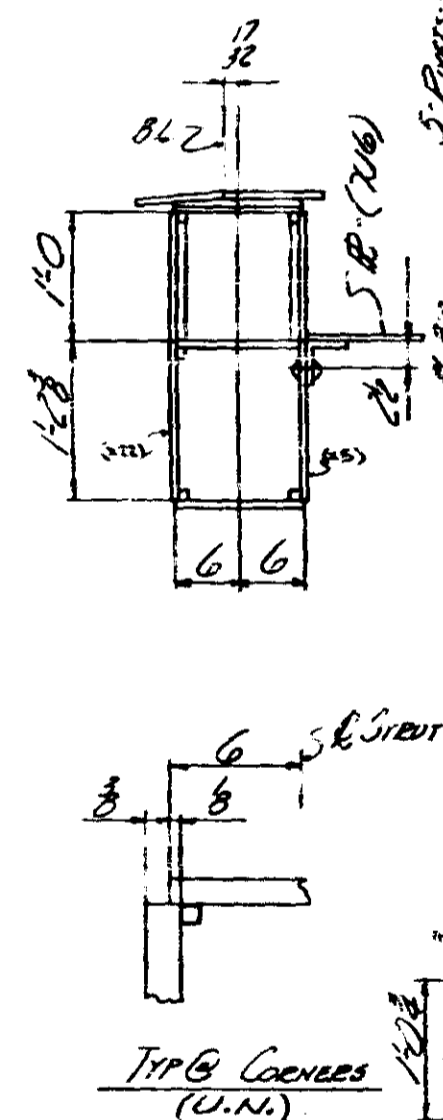
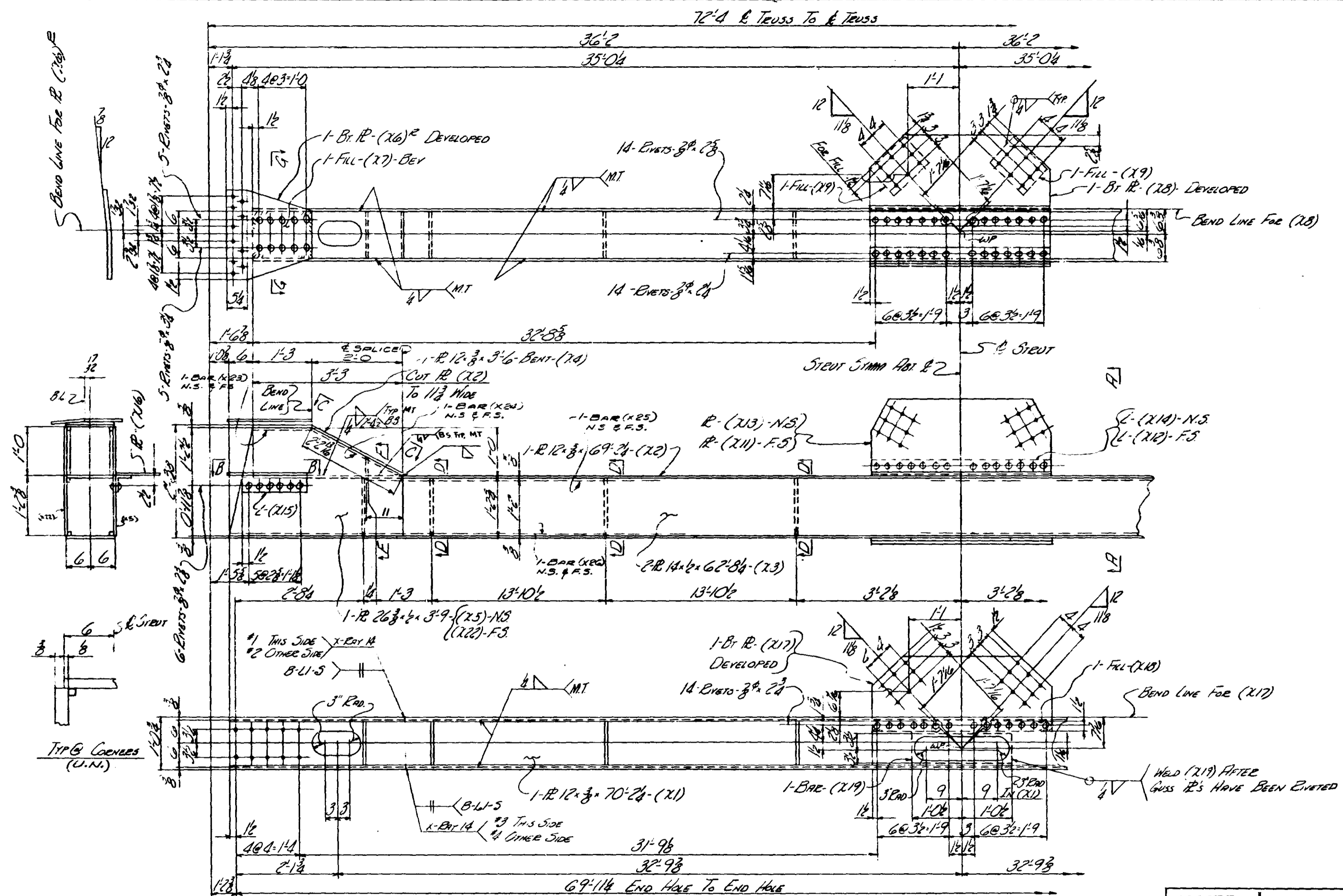
Hammond Fab.  
 DIVISION 7

DETAILS OF BOTTOM CHORD LATERAL DIAGONAL (L7F-L8)  
 STRUCTURE BRIDGE # 9340  
 LOCATION MINNEAPOLIS MINNESOTA  
 OWNER MINNESOTA STATE HWY. DEPT.  
 CUSTOMER MINNESOTA STATE HWY. DEPT.

OPEN HOLES 15/16" RIVETS & BOLTS NONE PAINT YES SEE SH. GNI  
 DRAWN BY L.B. DATE 12-18-65 CHECKED BY G.N. DATE  
 REVISIONS

CONTRACT 3142 FABCO 264 SHEET 725





ONE - STEUT - 727A } ALIKE EXCEPT  
 ONE - STEUT - 727B } FOR MARKS

MINN PROJ I-IG-35W-3(5B) 112  
 SP 2783-7340B (35W-394)

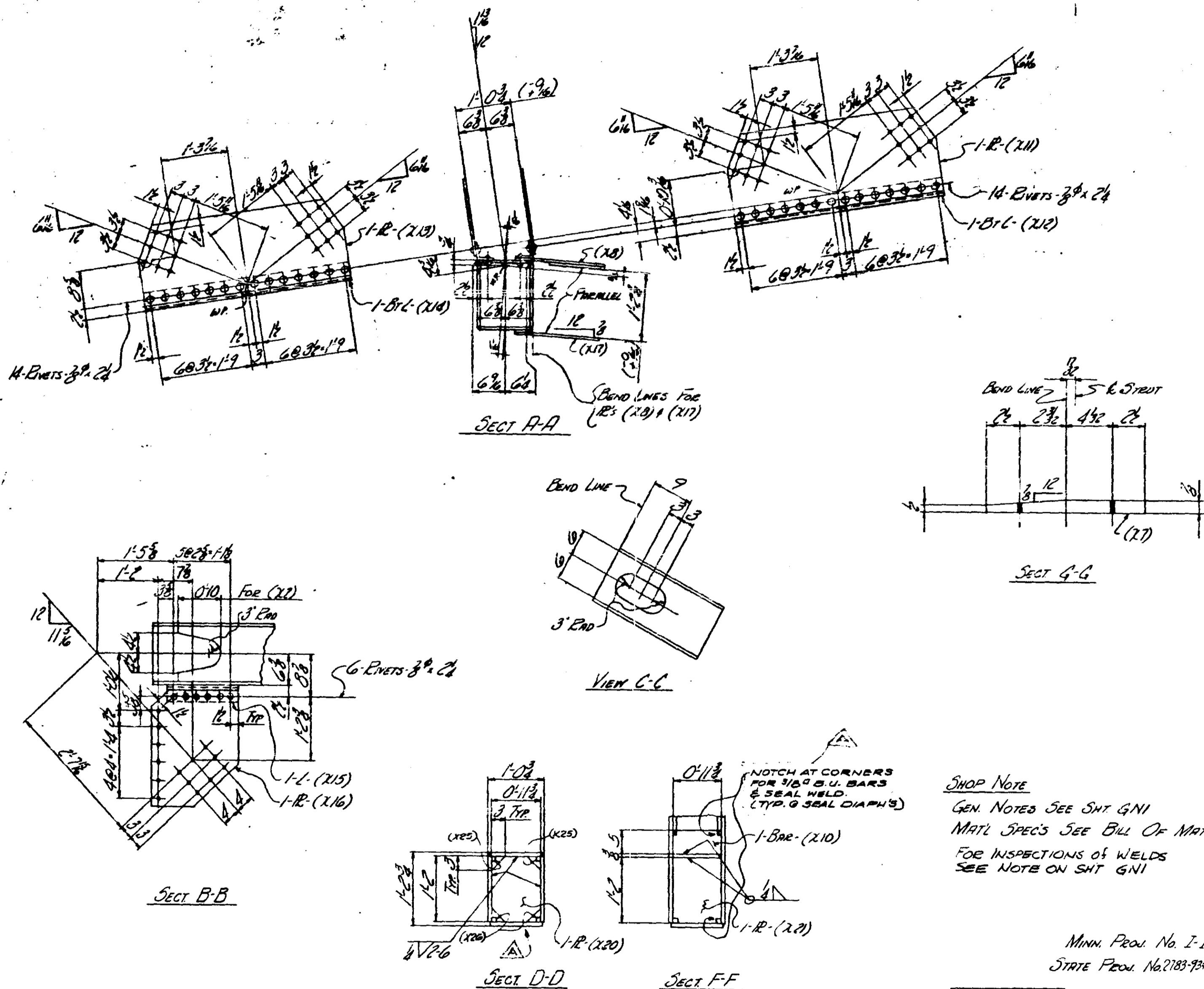
OPEN HOLES	RIVETS & BOLTS	PAINT
DRAWN BY R.S.M.	DATE 1/1/66	CHECKED BY G.N.
REVISIONS	11-18-66	

**ALLIED STRUCTURAL STEEL COMPANY**  
 FABRICATORS & ERECTORS  
 1125 10TH STREET, HARBOR, MINN. 55404

DETAILS OF BOTTOM STEUT @ L9 & L19  
 STRUCTURE BRIDGE No 7340  
 LOCATION MINNEAPOLIS, MINN  
 OWNER MINN STATE HWY DEPT  
 CUSTOMER MINN STATE HWY DEPT

CONTRACT 3142 FABCOD 264 SHEET 727AD





Qty	Div	Item No.	Shape	Length	PC No.	Remarks	Item No.	Total Weight	Unit
1		7270	1 STRUT	(See TO-0)					
1		7270	1 STRUT						
4		2 R 12x3	20 24x1			909	59	2198	3306
5		2 R 12x3	19 24x2			910		2117	
6		4 R 12x3	22 24x3			908		5268	
7		4 R 12x3	3 6 24 BENT			912		219	
8		4 R 12x3	3 9 25			911		673	
9		4 R 12x3	1 9 26 BENT			920		199	
10		4 R 12x3	1 9 27			907		199	
11		2 R 21x3	4 0 28 BENT			917		219	
12		4 R 9x6	1 0 29			919		61	
13		4 Bar 5 1/2	0 11 30			924		25	
14		2 R 19x3	4 0 31			916		196	
15		2 L 4x4	4 0 32 BENT			915		78	
16		2 R 17x3	4 0 33			918		181	
17		2 L 4x4	4 0 34 BENT			915		78	
18		4 L 4x4	1 4 35			922		53	
19		4 R 19x3	2 2 36			921		220	
20		2 R 19x3	4 0 37 BENT			918		199	
21		2 Bar 3 1/2	4 0 38			916		41	
22		2 Bar 2 1/2	2 1 39			924		37	
23		12 R 11x3	1 2 40			923		210	
24		4 R 11x3	1 2 41			924		70	
25		4 R 11x3	3 9 42			911	59	673	3306
26									
27									
28									
29		220 5/8 Rivets							NC
30									
31									
32		2 4 1/2	3x6						NC
33									
34									
35		4 Bar 4x3/8	1 9 43				59	2	926
36		2 Bar 4x3/8	2 2 44					4	
37		4 Bar 3/4x3/8	64 64x25					129	
38		4 Bar 3/4x3/8	70 24x25					135	
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**SHOP NOTE**  
 GEN. NOTES SEE SHT GNI  
 MATL SPEC'S SEE BILL OF MATL  
 FOR INSPECTIONS OF WELDS  
 SEE NOTE ON SHT GNI

MICRO-FILMED

MINN. PROJ. No. I-1635W-3(58)W2  
 STATE PROJ. No. 2183-9340(B/7435W59A)

**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 STEEL G L9 & L19  
 STRUCTURE BRIDGE No. 9340  
 LOCATION MINNEAPOLIS, MINN  
 OWNER MINN. STATE HWY DEPT  
 CUSTOMER MINN. STATE HWY DEPT

CONTRACT 3142 FABCOO 264 SHEET 727B

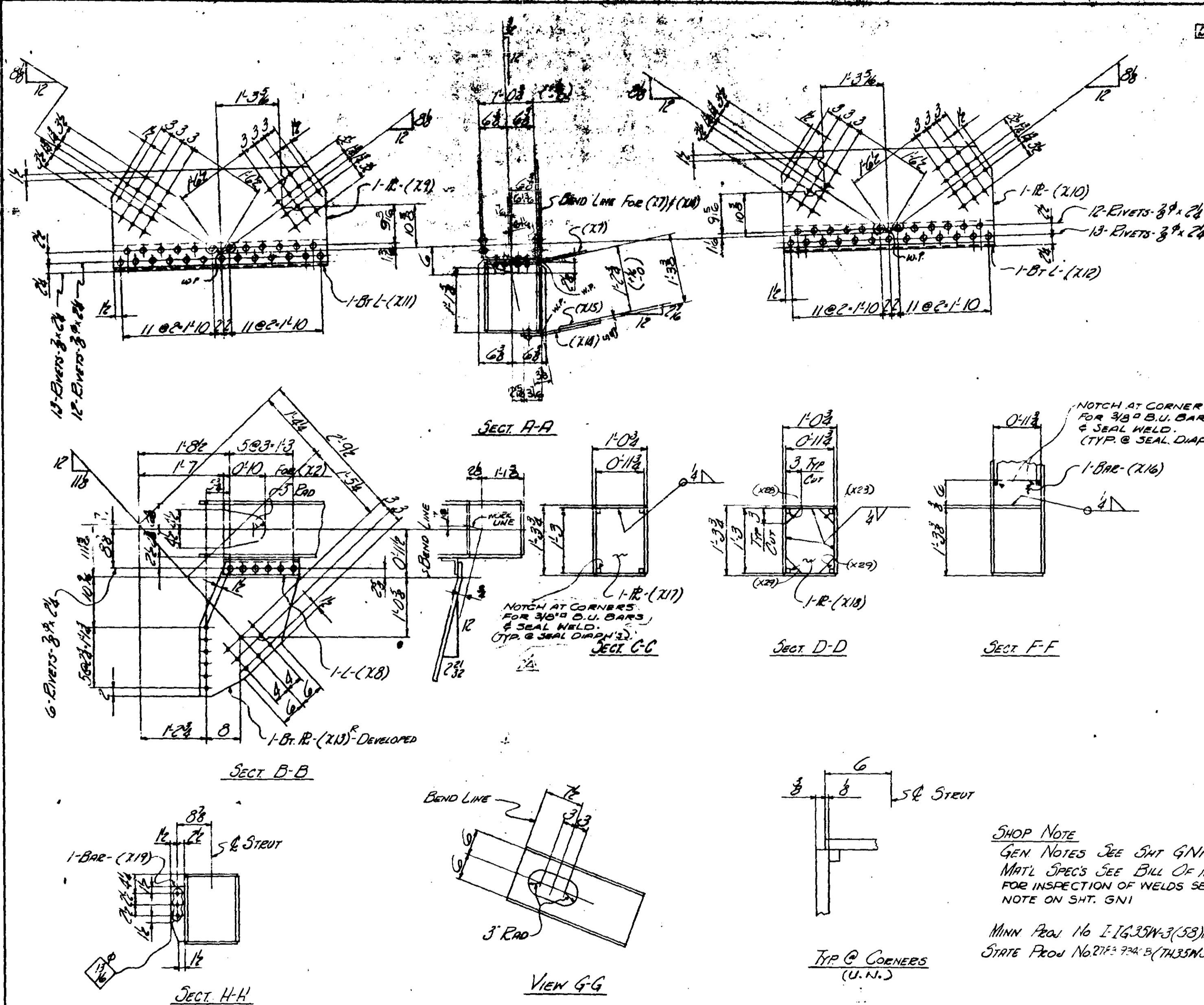
**HAMMOND FAB**

OPEN HOLES 3/8" RIVETS & BOLTS 3/8" PAINT YES - SEE SHT GNI

DRAWN BY G.S.M. DATE 10/6/66 CHECKED BY G.M. DATE \_\_\_\_\_

REVISIONS 11-18-66 JSC △ △ △ △





NO.	QTY	SHAPE	LENGTH	REMARKS	ITEM NO.	TOTAL
1	1	STEUT (34 x 64-0)				
2						
3						
4	1	R 2x3	67.2	X1	618	59 1058 1306
5	1	R 2x3	69.2	X2	618	1058
6	2	R 15x3	4.25	X3	617	3275
7	2	R 15x3	3.25	X4 BENT	619	99
8	2	R 28x3	2.12	X5	620	284
9	2	R 9x3	1.92	X6	621	41
10	1	R 27x3	4.3	X7	622	149
11	2	L 4x3	1.6	X8	626	29
12	1	R 27x3	4.3	X9	622	123
13	1	R 27x3	4.3	X10	622	123
14	1	L 6x6	4.3	X11 BENT	623	63
15	1	L 6x6	4.3	X12 BENT	623	63
16	2	R 33x3	2.6	X13 BENT	627	134
17	1	R 33x3	3.8	X14 BENT	625	110
18	2	R 9x3	1.0	X15	703	38
19	2	Bar 6x3	0.13	X16	702	15
20	2	R 11x3	1.3	X17	701	37
21	4	R 11x3	1.3	X18	701	75
22	8	Bar 4x3	1.08	X19	9213	43
23	6	L 3x3x3	3.8	X20	9214	374
24	1	L 3x3x3	3.0	X21	9215	58
25	1	Bar 7x3	2.1	X22	616	19
26	2	R 28x3	2.12	X23	620	59 284 336
27	2	L 4x4x3	0.6	X24	705	59 10 336
28	2	L 6x4x3	0.10	X25	704	59 21 336
29	1	W 10	151.5			NC
30	129	3/8 RIVETS				NC
31						
32						
33						
34						
35	2	Bars 3/8x3/8	0.11	X26		59 1 336
36	2	Bars 3/8x3/8	2.12	X27		2
37	2	Bars 3/8x3/8	6.0	X28		43
38	2	Bars 3/8x3/8	2.12	X29		56
39						
40						
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SHOP NOTE  
 GEN NOTES SEE SHT GVI  
 MAT'L SPEC'S SEE BILL OF MAT'L  
 FOR INSPECTION OF WELDS SEE  
 NOTE ON SHT. GVI

MINN PROJ No I-1635W-3(58)W2  
 STATE PROJ No 27F-724-B(TH35M394)

MICRO-FILMED

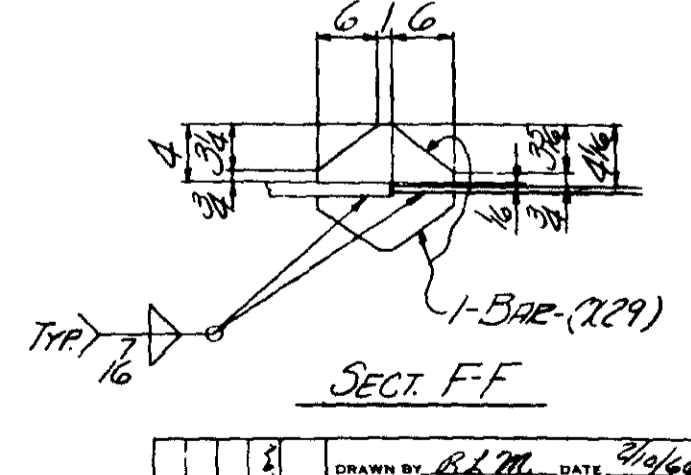
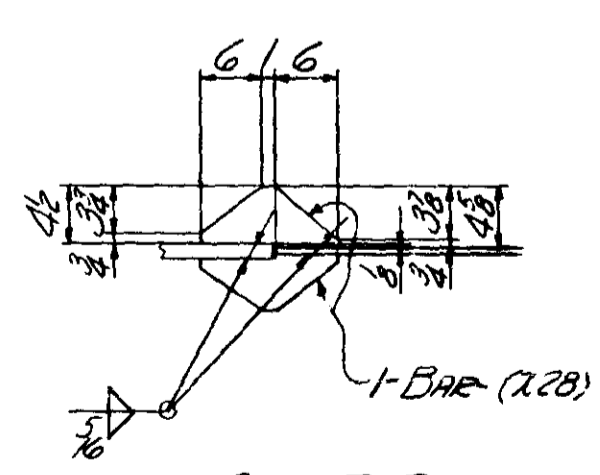
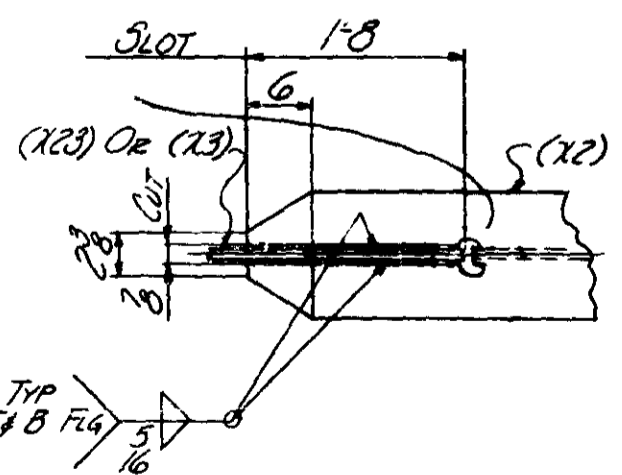
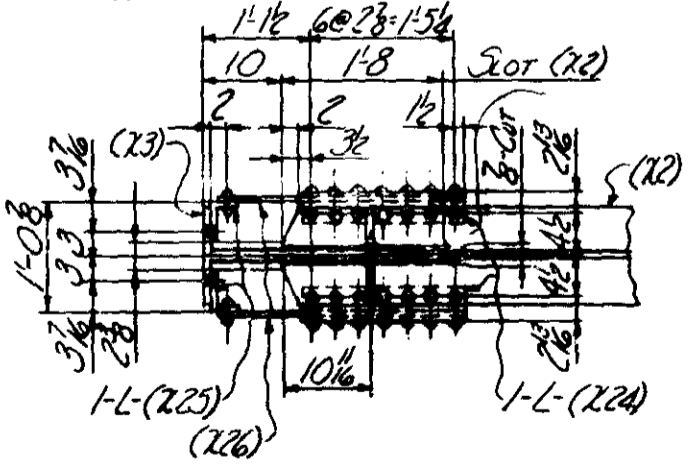
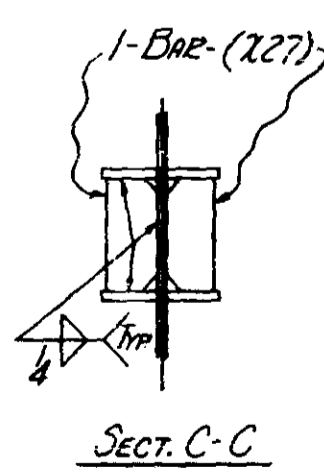
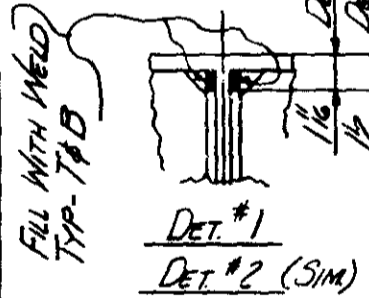
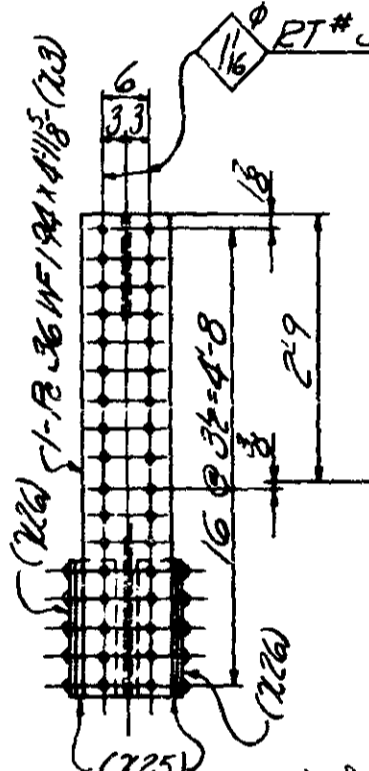
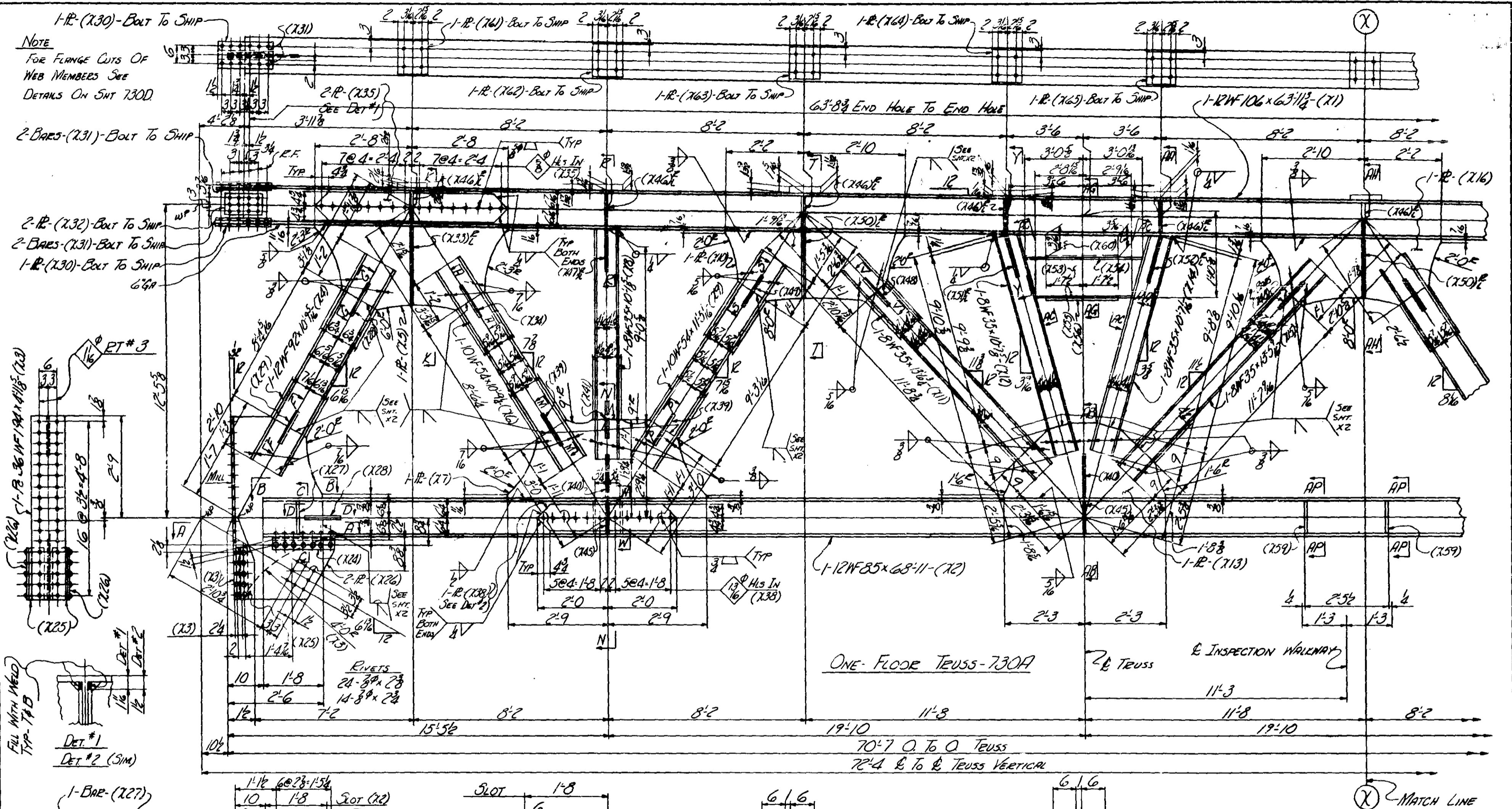
HAMMOND FAB						
OPEN HOLES	1/2" DIA. RIVETS & BOLTS 3/8" PAINT YES SEE SHT GVI					
DRAWN BY	R.T.M. DATE 1/10/66 CHECKED BY DATE					
REVISIONS	<table border="1"> <tr> <td>1</td> <td>1/10/66</td> <td>△</td> <td>△</td> <td>△</td> </tr> </table>	1	1/10/66	△	△	△
1	1/10/66	△	△	△		

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 @ L8	
STRUCTURE BRIDGE No 9380	
LOCATION MINNEAPOLIS, MINN.	
OWNER MINN STATE HWY DEPT	
CUSTOMER MINN STATE HWY DEPT	
CONTRACT	3142 FABCOD 264 SHEET 728B





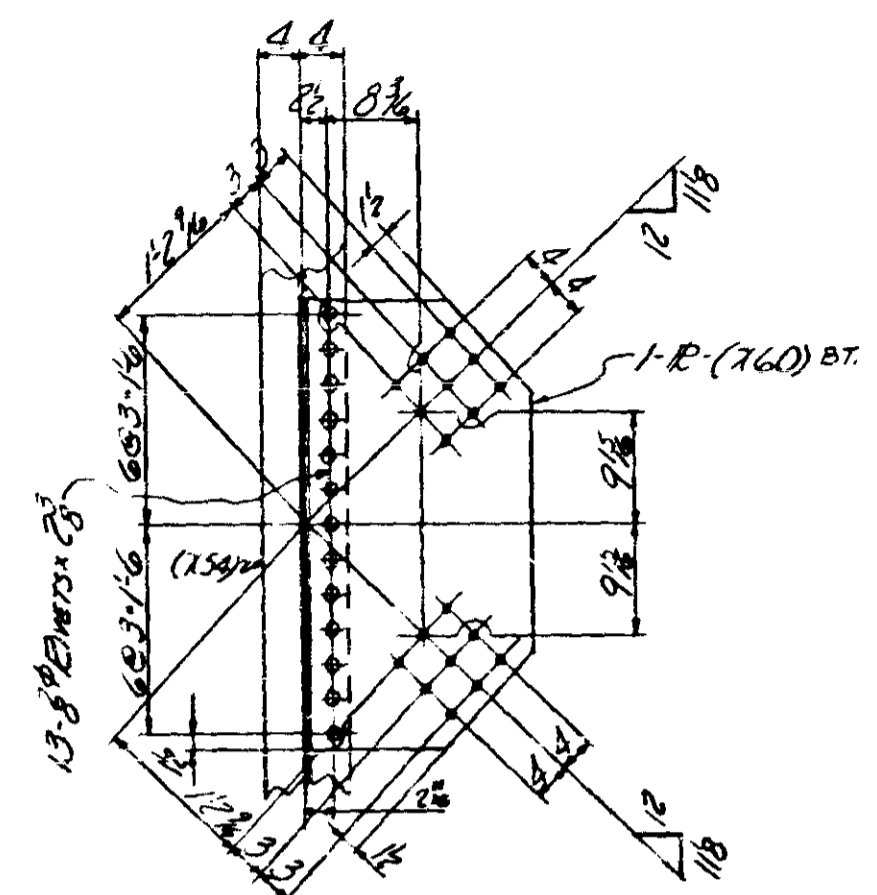
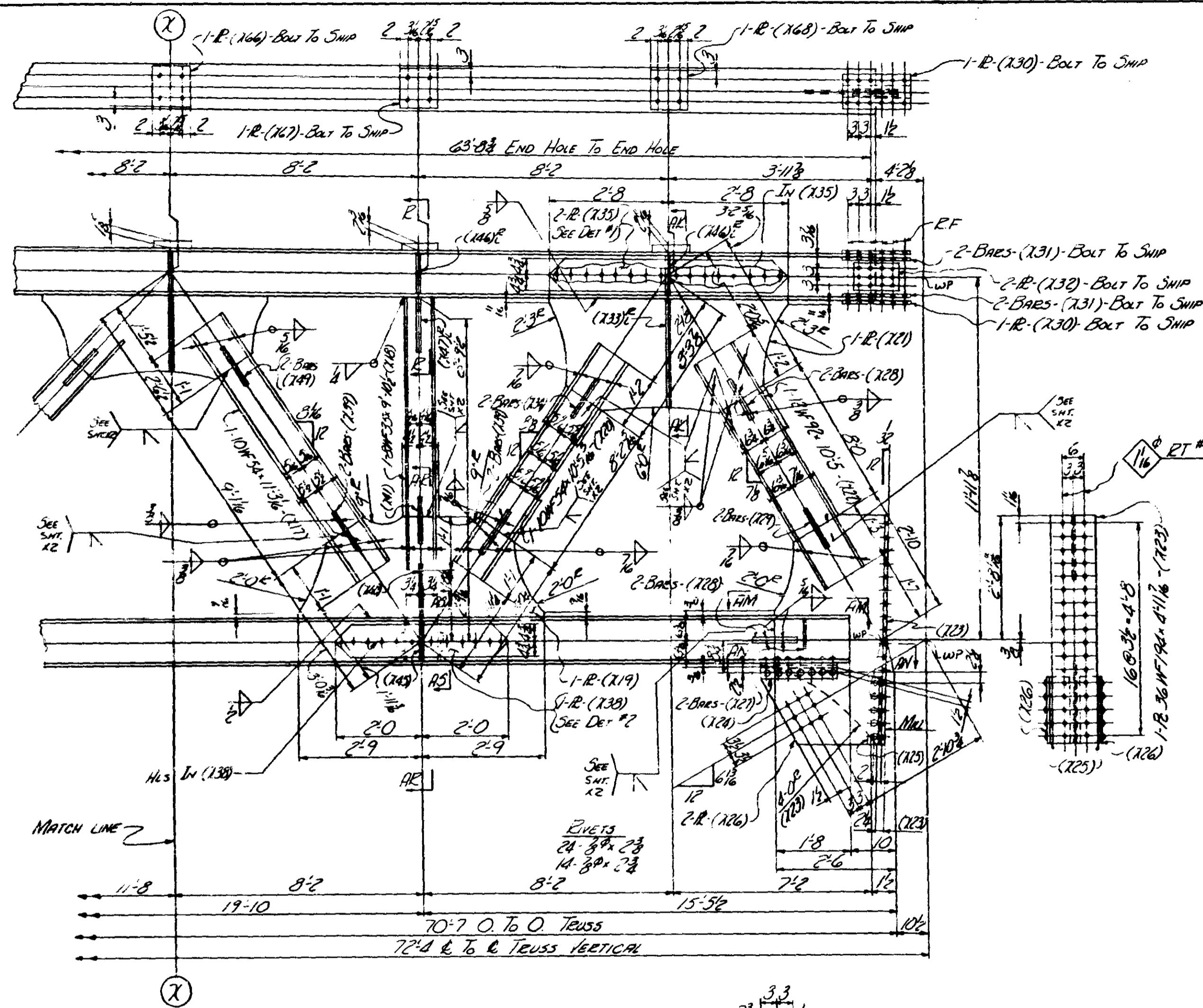
NOTE  
FOR FLANGE CUTS OF  
WEB MEMBERS SEE  
DETAILS ON SMT 730D



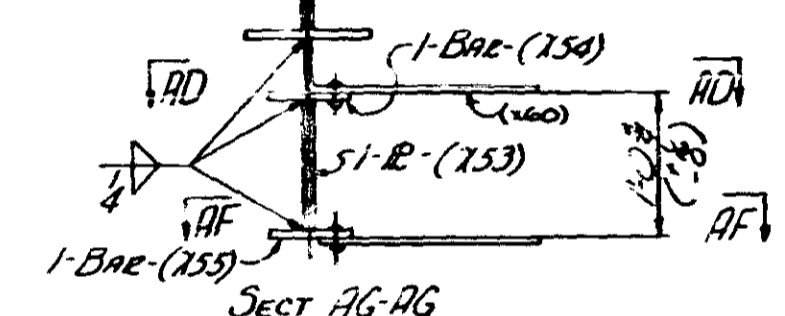
ONE FLOOR TEUSS-730A  
70'-7 O. To O. Teuss  
72'-4 E. To E. Teuss Vertical  
& INSPECTION WALKWAY  
11'-3  
19'-10

MINN. PROJ. I-IG 35W-3(58)112  
STATE PROJ. 2785-9340 B(35W-394)

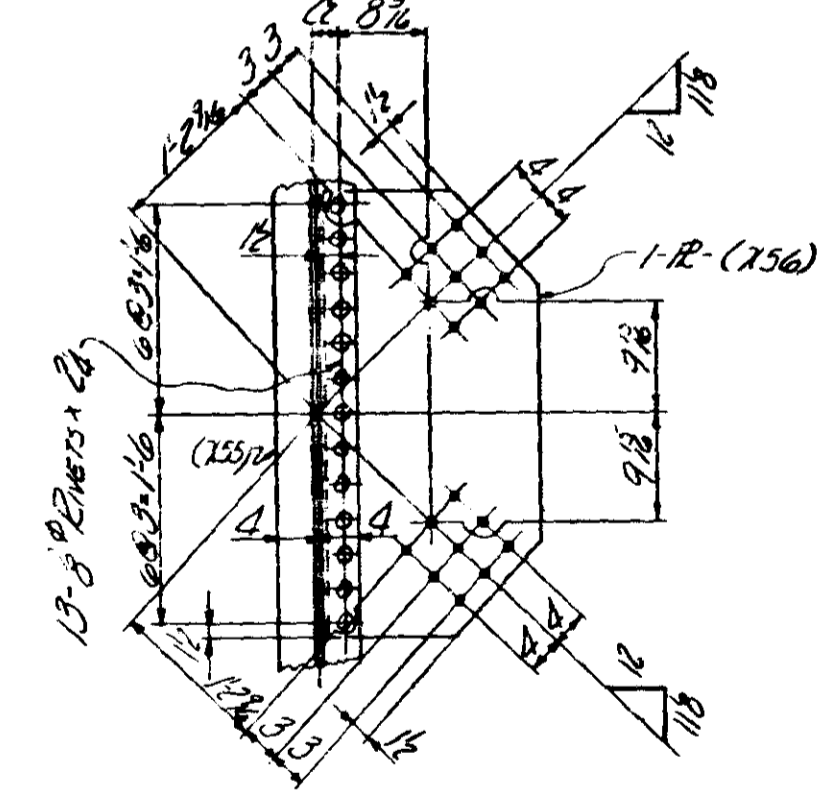
<b>ALLIED</b> ENGINEERS FABRICATORS ERECTORS		<b>STRUCTURAL STEEL COMPANY</b> 1122 11TH STREET, HARBOR, INDIANAPOLIS, INDIANA	
DRAWN BY: <i>R.L.M.</i> DATE: 2/10/66		DETAILS OF: FLOOR TEUSS @ 117	
CHECKED BY: <i>K.L.K.</i> DATE: 2-17-66		STRUCTURE: BRIDGE No. 9340	
IN CHARGE OF: <i>J. NEWELL</i>		LOCATION: MINNEAPOLIS, MINN.	
FAB. PLANT: CLINTON		OWNER: MINN. STATE HWY. DEPT.	
REFERENCE DWGS:		CONTRACT: 2142	DIV. 7
CLINTON FAB		FAB. CODE: 244	SHEET 73042



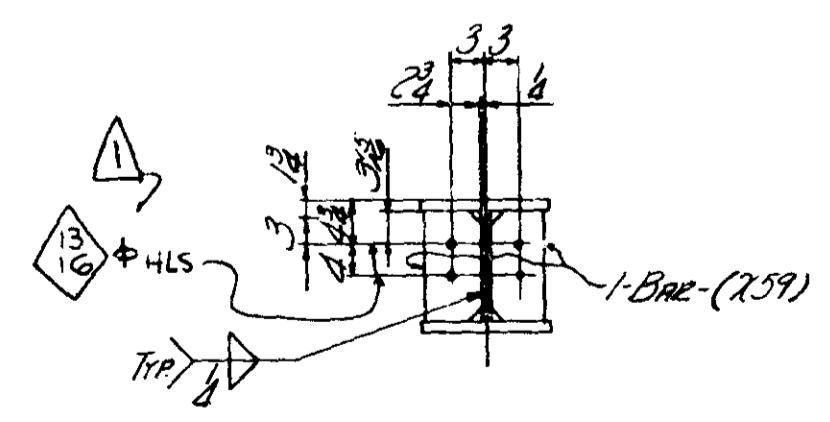
SECT AD-AD



SECT AG-AG



SECT AF-AF



SECT AP-AP

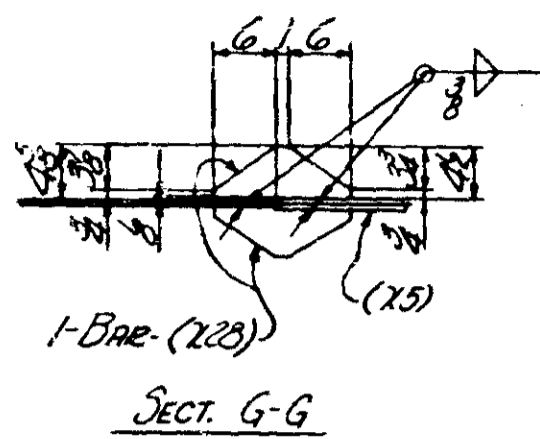
MINN. PROJ. I-16 35W-3(28)112  
STATE PROJ. 2785-9340 B(35W-35A)

**ALLIED** STRUCTURAL STEEL COMPANY  
ENGINEERS, FABRICATORS & ERECTORS  
1125 10TH STREET, WARREN, INDIANA 46784

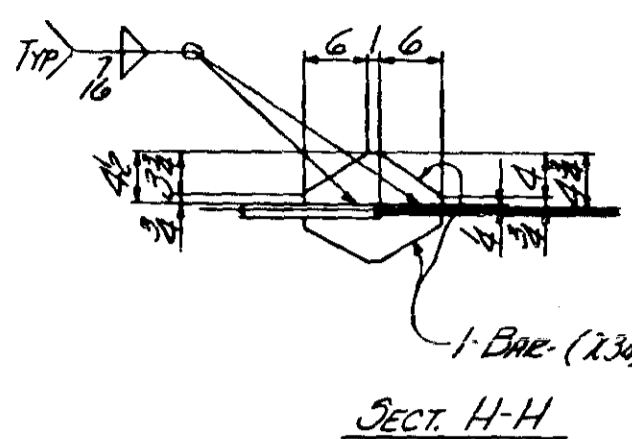
DRAWN BY <b>R.K.M.</b> DATE <b>2/19/66</b>	DETAILS OF <b>FLOOR TRUSS @ U7</b>
CHECKED BY <b>K.L.K.</b> DATE <b>2-17-66</b>	STRUCTURE <b>BRIDGE NO. 9340</b>
IN CHARGE OF <b>J. NEWELL</b>	LOCATION <b>MINNEAPOLIS, MINN.</b>
FAB PLANT <b>CLINTON</b>	OWNER <b>MINN. STATE HWY. DEPT.</b>
REFERENCE DWGS	

CLINTON FAB	D	U	A	5/18/66	CONTRACT <b>3142</b>	DIV. <b>7</b>	FABCOO <b>204</b>	SHEET <b>730BD</b>
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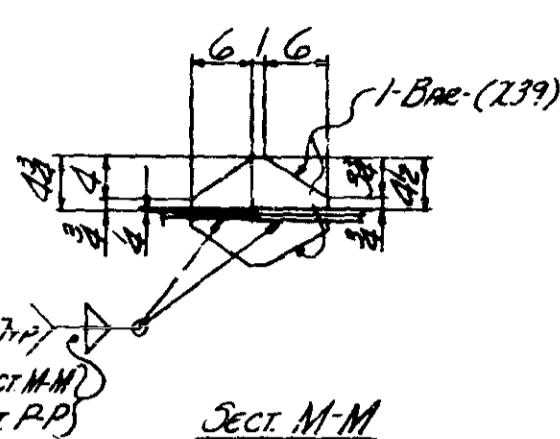




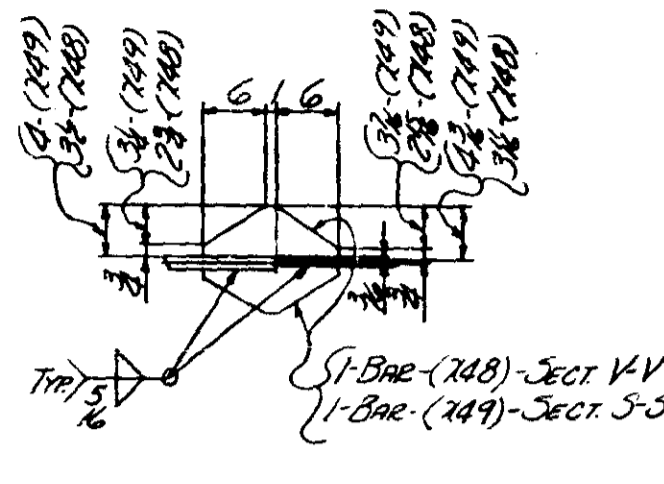
SECT. G-G



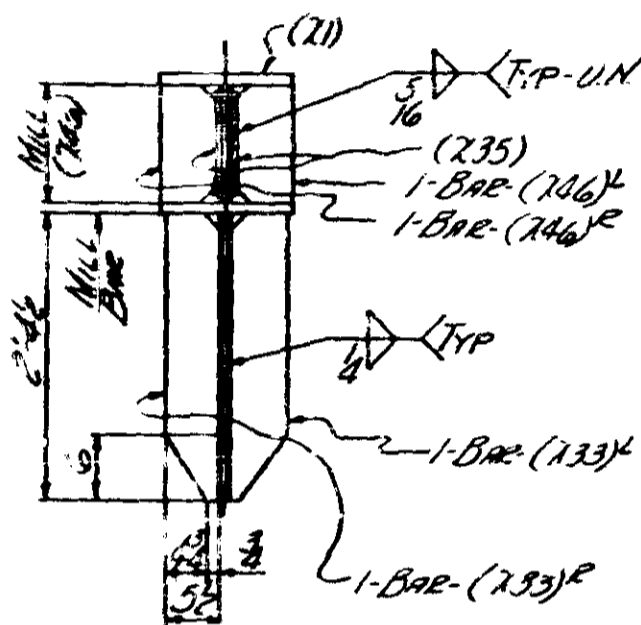
SECT. H-H



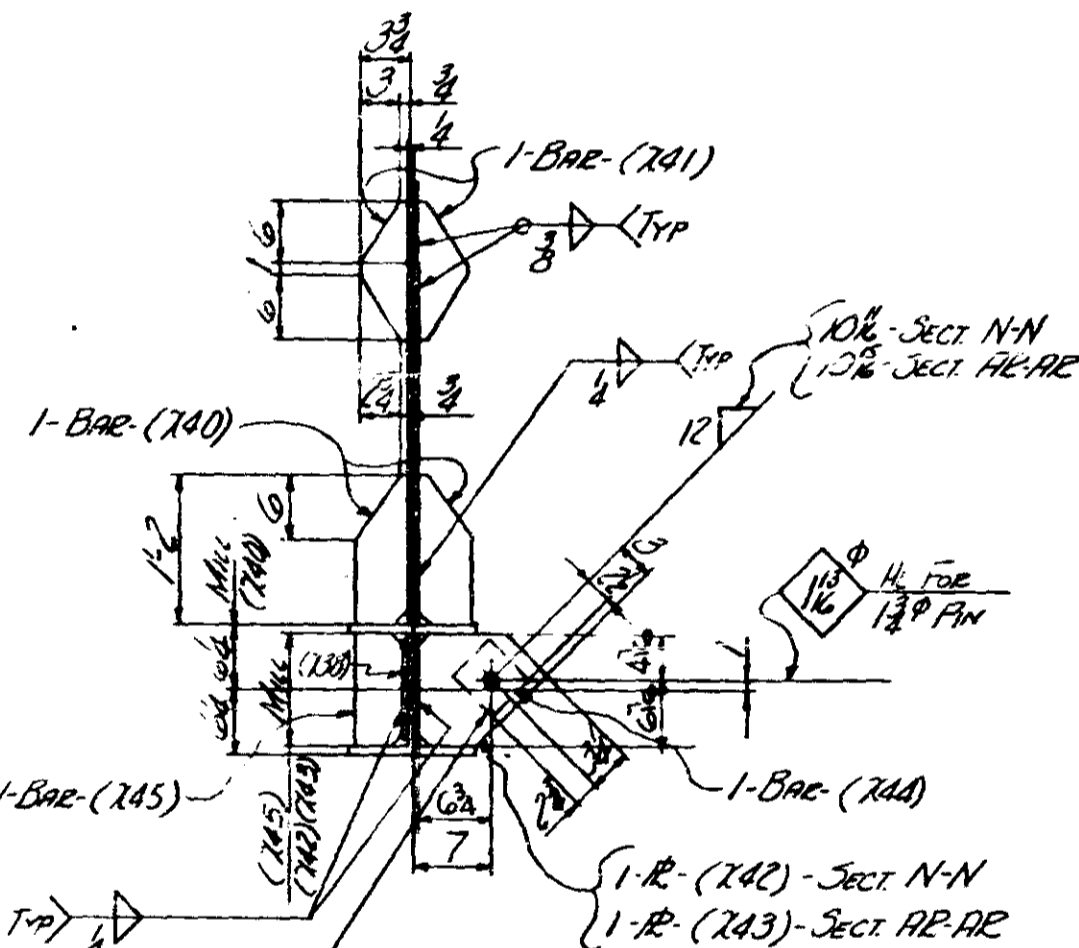
SECT. M-M  
SECT. P-P (Opp Ho.)



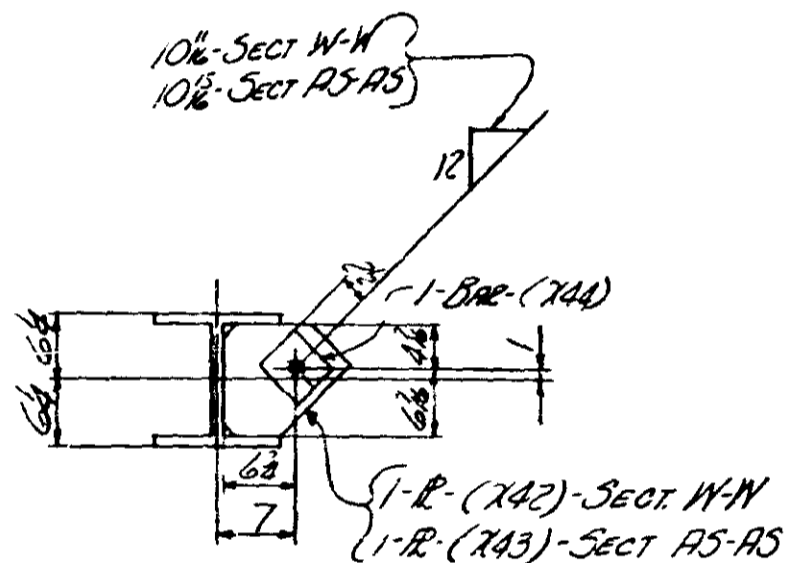
SECT. V-V  
SECT. S-S (Opp Ho.)



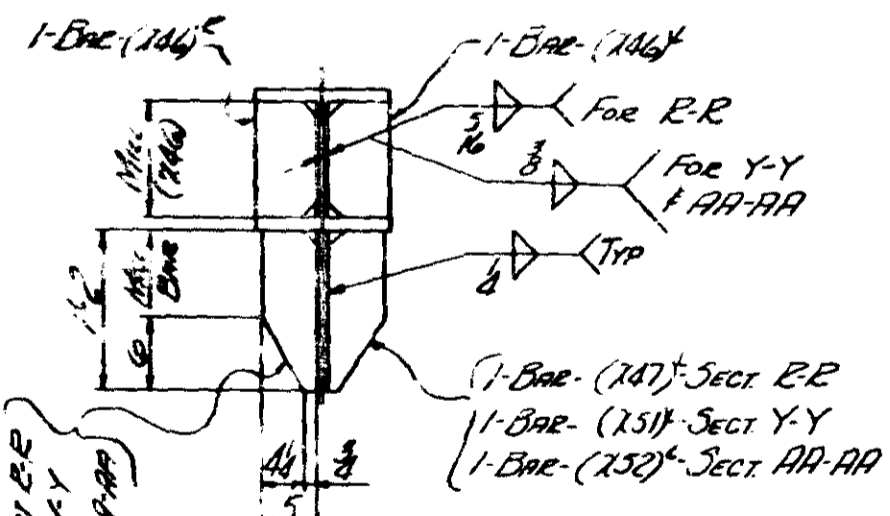
SECT. K-K  
SECT. AK-AK



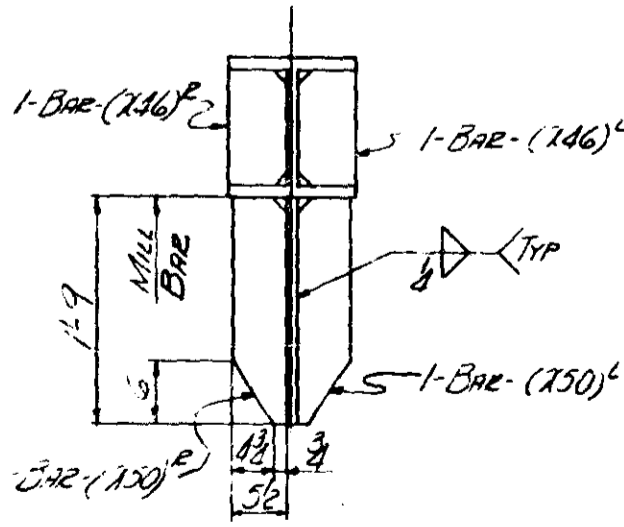
SECT. N-N  
SECT. AK-AK



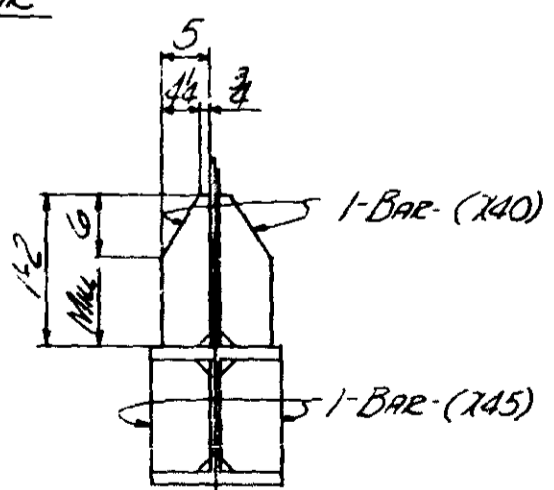
SECT. W-W  
SECT. AS-AS



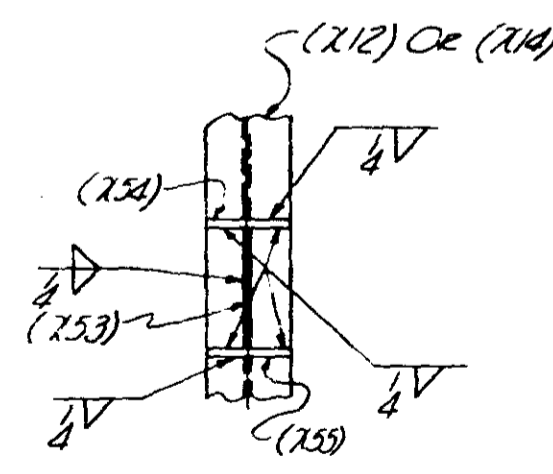
SECT. R-R  
SECT. Y-Y  
SECT. AA-AA



SECT. T-T & SECT. AH-AH



SECT. AB-AB



SECT. AC-AC

ITEM NO.	QTY	SHAPE	LENGTH	PC	REMARKS	ITEM NO.	TOTAL WEIGHT	PC
1	1	FLOOR TEUSS						
6	1	12WF106	23.11	21	SEE PLAN FOR			
7	1	12WF106	28.6		FOR M. F. 6			
8	2	12WF65	17.89		LINE 6			
9	1	12WF85	23.11	22	SEE PLAN FOR			
10	1	12WF85	46.0		FOR M. F. 6			
11	2	12WF65	11.59		LINE 9			
12	1	12WF194	4.15	23	M. F. 6			
13	1	12WF92	10.94	24				
14	1	R. 30 x 3	5.4	25				
15	1	10WF54	10.94	26				
16	1	R. 27 x 3	5.6	27				
17	1	8WF35	10.73	28				
18	1	10WF54	11.58	29				
19	1	R. 27 x 3	5.0	30				
20	1	8WF35	13.62	31				
21	1	8WF35	10.73	32				
22	1	R. 27 x 3	4.6	33				
23	1	8WF35	10.73	34				
24	1	8WF35	13.56	35				
25	1	R. 27 x 3	5.0	36				
26	1	10WF54	11.31	37				
27	1	8WF35	9.10	38				
28	1	R. 27 x 3	5.6	39				
29	1	10WF54	10.58	40				
30	1	R. 30 x 3	5.4	41				
31	1	12WF92	10.5	42				
32	1	12WF194	4.15	43	M. F. 6			
33	4	L. 4 x 3	1.84	44				
34	4	L. 5 x 3	1.52	45				
35	4	R. 19 x 3	2.25	46				
36	4	BAR 5/8 x 3	0.10	47				
37	8	BAR 4/8 x 3	1.1	48				
38	1	BAR 4/8 x 3	4.1	49				
39	4	BAR 4/8 x 2	1.1	50				
40	1	BAR 4/8 x 2	3.3	51				
41	4	R. 10 x 2	1.64	52				
42	8	BAR 4/8 x 3	1.64	53				
43	4	R. 9 x 3	1.04	54				
44	6	BAR 5/8 x 2	2.42	55				
45	2	BAR 5/8 x 2	4.4	56				
46	4	BAR 4/8 x 3	1.1	57				
47	1	BAR 4/8 x 3	3.2	58				
48	4	R. 9 x 3	5.4	59				
51								
52	2	R. 9 x 3	4.0	60				
53	8	BAR 4/8 x 3	1.1	61				
54	1	BAR 4/8 x 3	6.1	62				
55	6	BAR 5/8 x 2	1.2	63				
56	3	BAR 5/8 x 2	1.1	64				
57	4	BAR 7/8 x 3	1.1	65				
58	1	BAR 7/8 x 3	3.4	66				
59	2	R. 11/8 x 3	0.10	67				
60	2	R. 11/8 x 3	0.10	68				
61	4	BAR 5/8 x 3	0.53	69				
62	4	BAR 5/8 x 3	0.10	70				
63	16	BAR 5/8 x 2	0.10	71				
64	4	BAR 5/8 x 2	1.2					
65	2	BAR 5/8 x 2	1.1					
66	4	BAR 7/8 x 3	1.1					
67	1	BAR 7/8 x 3	3.4					
68	4	BAR 4/8 x 2	1.1					
69	1	BAR 4/8 x 2	3.3					
70	4	BAR 5/8 x 2	1.9					
71	2	BAR 5/8 x 2	3.4					

MINN. PROJ. I-26 35W-3(58)112  
STATE PROJ. 2783-9340B(35W-394)

CLINTON FAB	REVISIONS	△	△	△	△	CONTRACT	3142	FABCOD	214	SHEET	250CD
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**ALLIED STRUCTURAL STEEL FILMED COMPANY**  
1000 10TH STREET, HARBOR, MINN. 55404

DETAILS OF FLOOR TEUSS @ U7  
STRUCTURE: BRIDGE NO. 9340  
LOCATION: MINNEAPOLIS, MINN.  
OWNER: MINN. STATE HWY DEPT  
CUSTOMER: MINN. STATE HWY DEPT

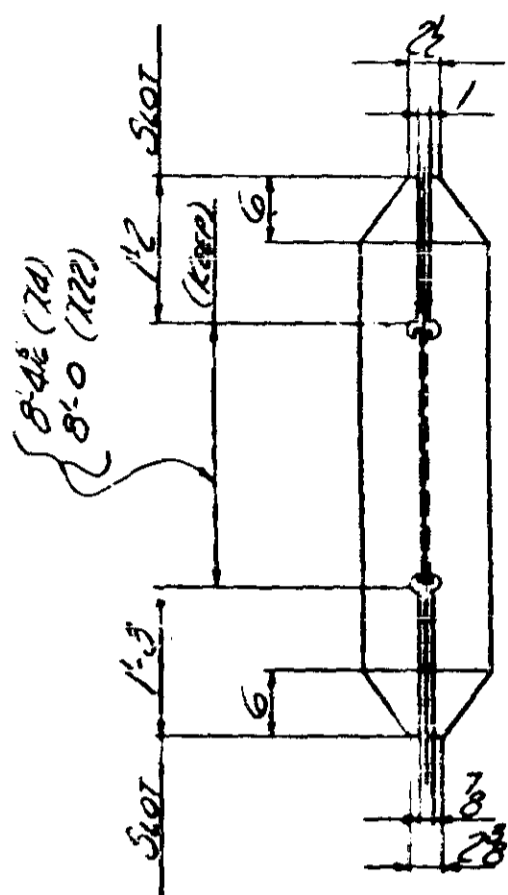


Fig Cut \*  
Foe (14) & (22)

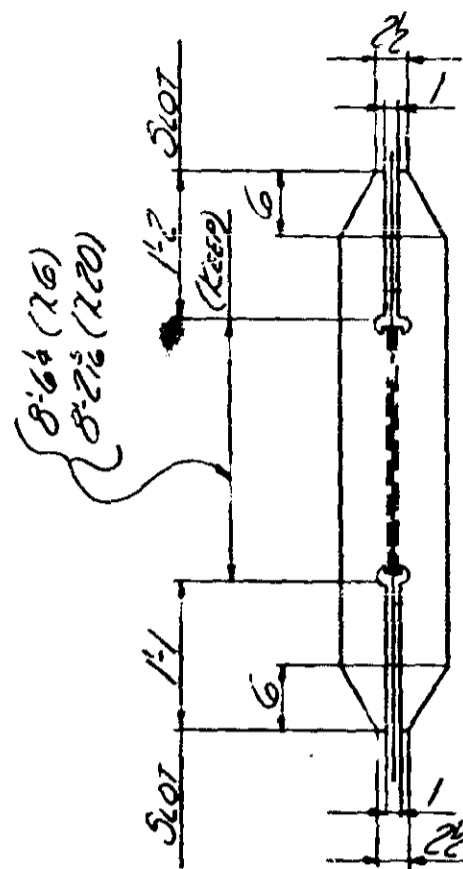


Fig Cut \*  
Foe (16) & (20)

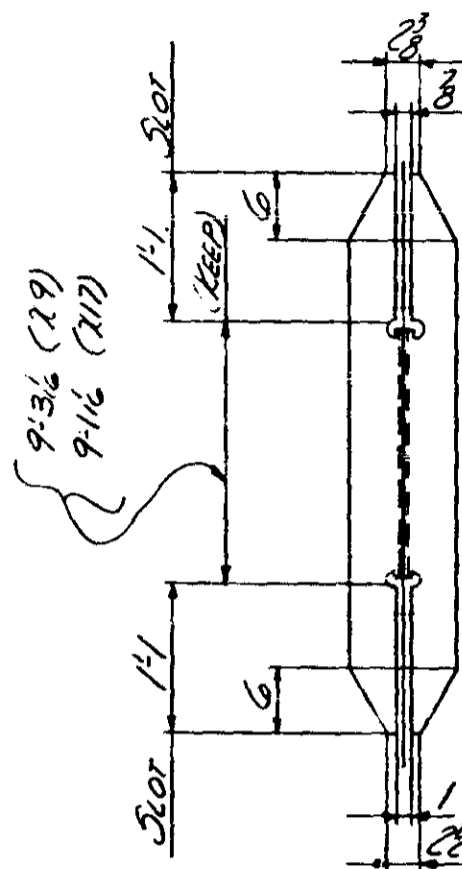


Fig Cut \*  
Foe (19) & (21)

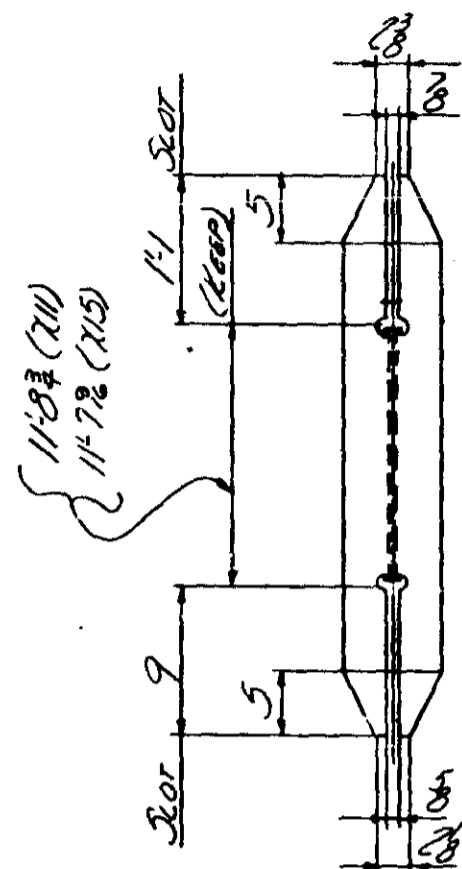


Fig Cut \*  
Foe (21) & (25)

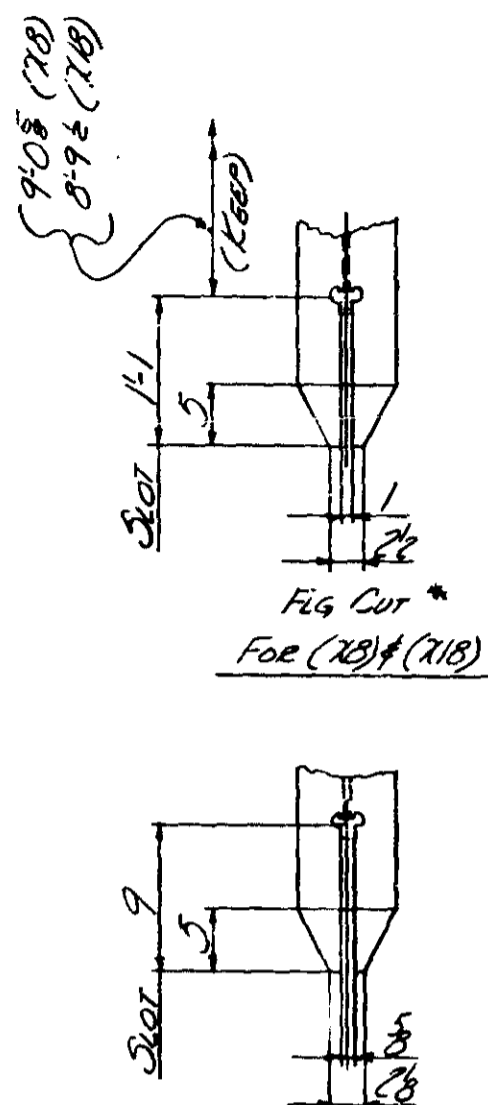
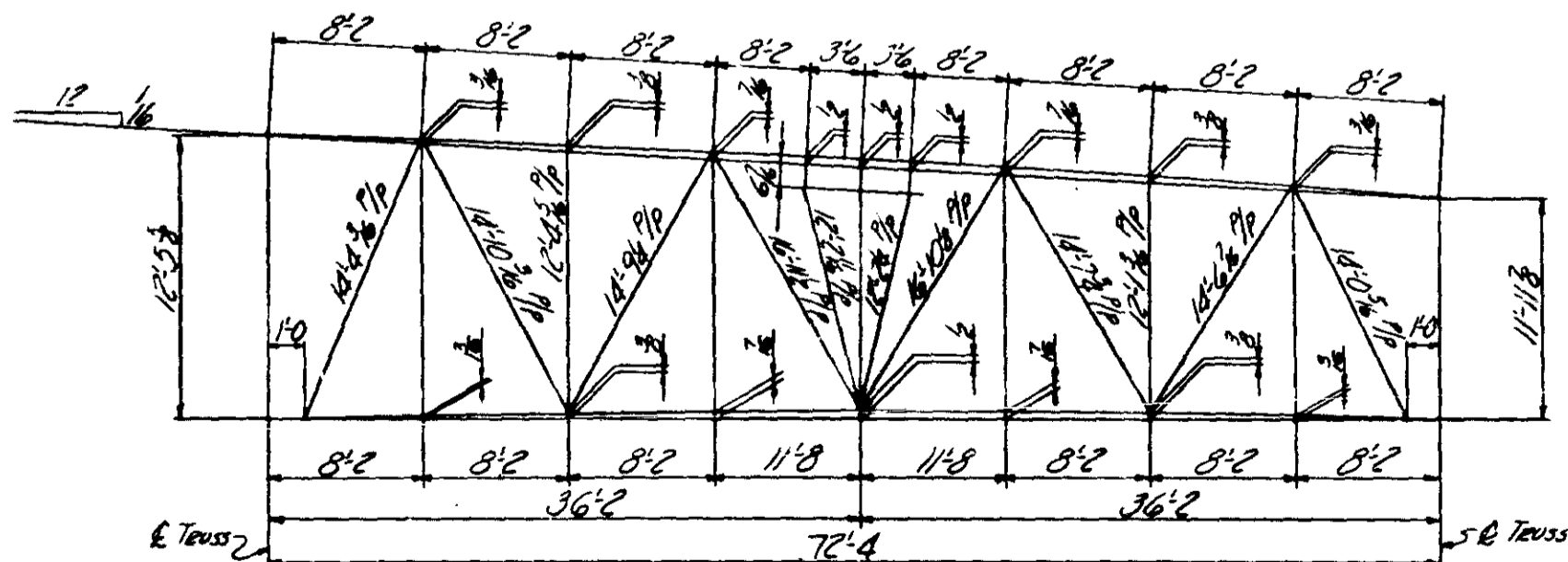


Fig Cut \*  
Foe (22) & (24)

\* SEE SHTS XI & X2 FOR BEVEL CUTS FOR WELD



CAMBER DIAGRAM

**SHOP NOTE**  
 FOR GEN NOTES SEE SHT GNI.  
 FOR MATL SPECS SEE BILL OF MATL.  
 ALL CLIPPED CORNERS NOT  
 DIMENSIONED SHALL BE CUT  
 3/4 @ 45°.  
 FOR 1-ERY IDENTIFICATION NO.  
 SEE SHT W-1  
 FOR INSPECTION OF WELDS SEE  
 NOTE ON SHT GNI.  
 FOR WELD SEQUENCE AND WELDING OF  
 WEB MEMBERS SEE SHTS XI & X2  
 MINN. PEOL. No. 1-1635W-3(58)112  
 STATE PEOL. No. 783-8840B (TH35W-396)

ITEM NO.	QTY	SHAPE	LENGTH	PC	REMARKS	WT. LBS.	TOTAL WEIGHT	M.D. NO.
72	2	BAR 5x5	1'-2	112		59	17	3326
73	1	BAR 5x2	1'-11 1/2	112		59	17	3326
74	2	BAR 5x2	1'-2 1/2	112		59	17	3326
75	1	BAR 5x2	1'-11 1/2	112		59	17	3326
76	1	R 12x3	6'-18	253		320	93	
77	1	BAR 8x3	6'-16	253		320	62	
78	1	BAR 8x3	5'-6	255		320	56	
79	1	R 14x3	3'-3	256		320	80	
80								
81								
82								
83	4	BAR 5x3/4	0'-10 1/2	259		59	25	3326
84	1	R 39x2	1'-13	260		131		
85	1	R 10x2	1'-0	261	BEVELLED	47		
86	1	R 10x1 1/2	1'-0	262	BEVELLED	47		
87	1	R 10x1 1/2	1'-0	263	BEVELLED	47		
88	1	R 10x1 1/2	1'-0	264	BEVELLED	47		
89	1	R 10x1 1/2	1'-0	265	BEVELLED	47		
90	1	R 10x1 1/2	1'-0	266	BEVELLED	47		
91	1	R 10x1 1/2	1'-0	267	BEVELLED	47		
92	1	R 10x1 1/2	1'-0	268	BEVELLED	47		
93								
94								
95								
96								
97								
98								
99								
100								
101								
102								
103								
104								
105								
106								
107								
108								
109								
110								
111								
112	36	5/8"						
113	100	3/8" EYEBS						NC
114								
115	1	3/4 WLD	7'-2					
116	1	1/2 WLD	135'-0					
117	1	3/4 WLD	117'-0					
118	1	3/4 WLD	81'-0					
119	1	1/2 WLD	21'-6					
120	1	3/4 WLD	120'-10					
121	1	3/4 WLD	3'-10					
122								
123								
124								
125								
126								
127								
128								
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132								
133								
134								
135								
136								
137								
138								
139								
140								
141								
142								

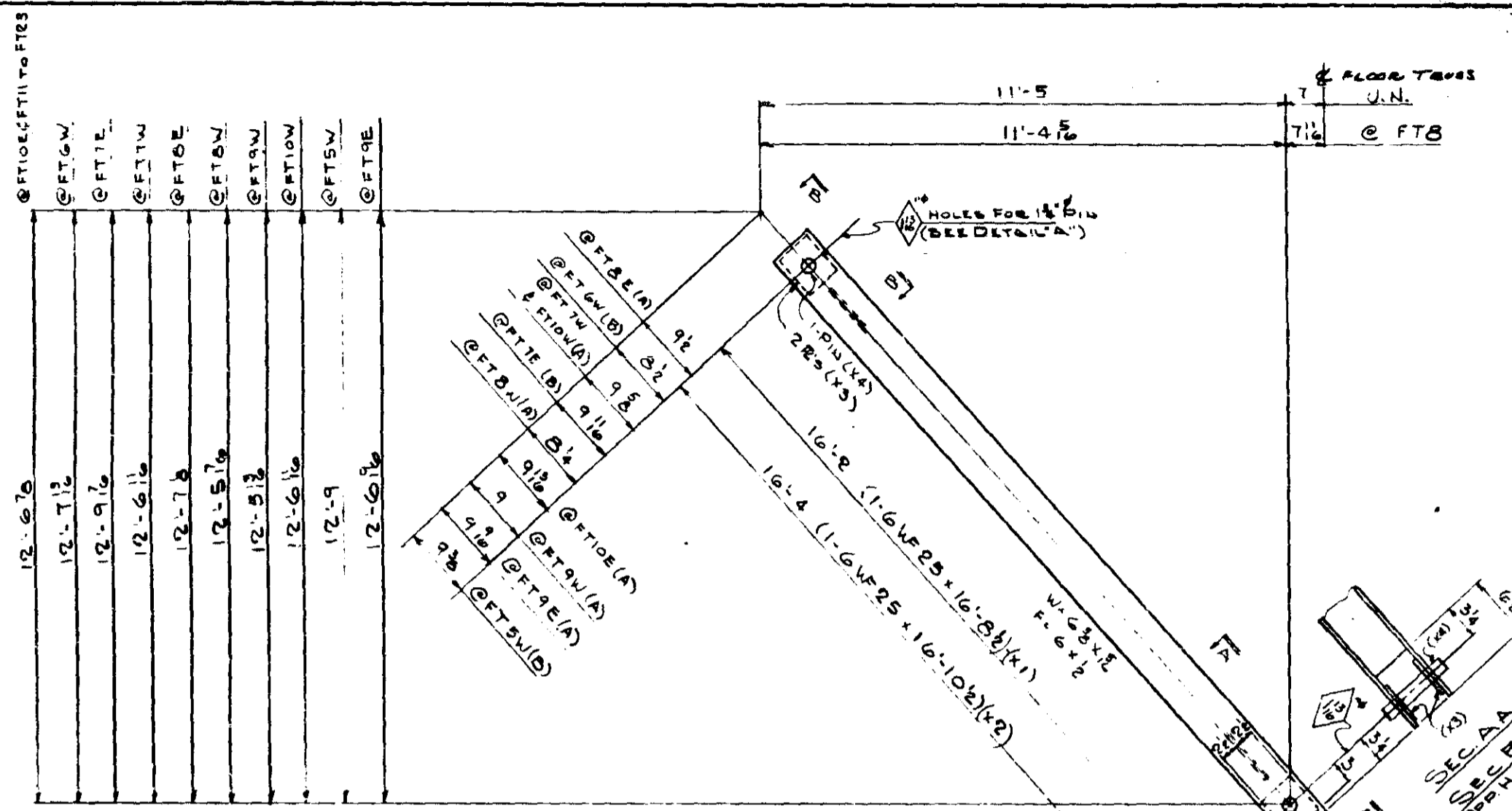
**ALLIED STRUCTURAL STEEL COMPANY**  
 ENGINEERS FABRICATORS ERECTORS  
 1000 10TH STREET, ST. LOUIS, MISSOURI

DETAILS OF **FLOOR TRUSS G 47**  
 STRUCTURE **BRIDGE No. 940**  
 LOCATION **MINNEAPOLIS, MINN.**  
 OWNER **MINN. STATE HWY. DEPT.**  
 CUSTOMER **MINN. STATE HWY. DEPT.**

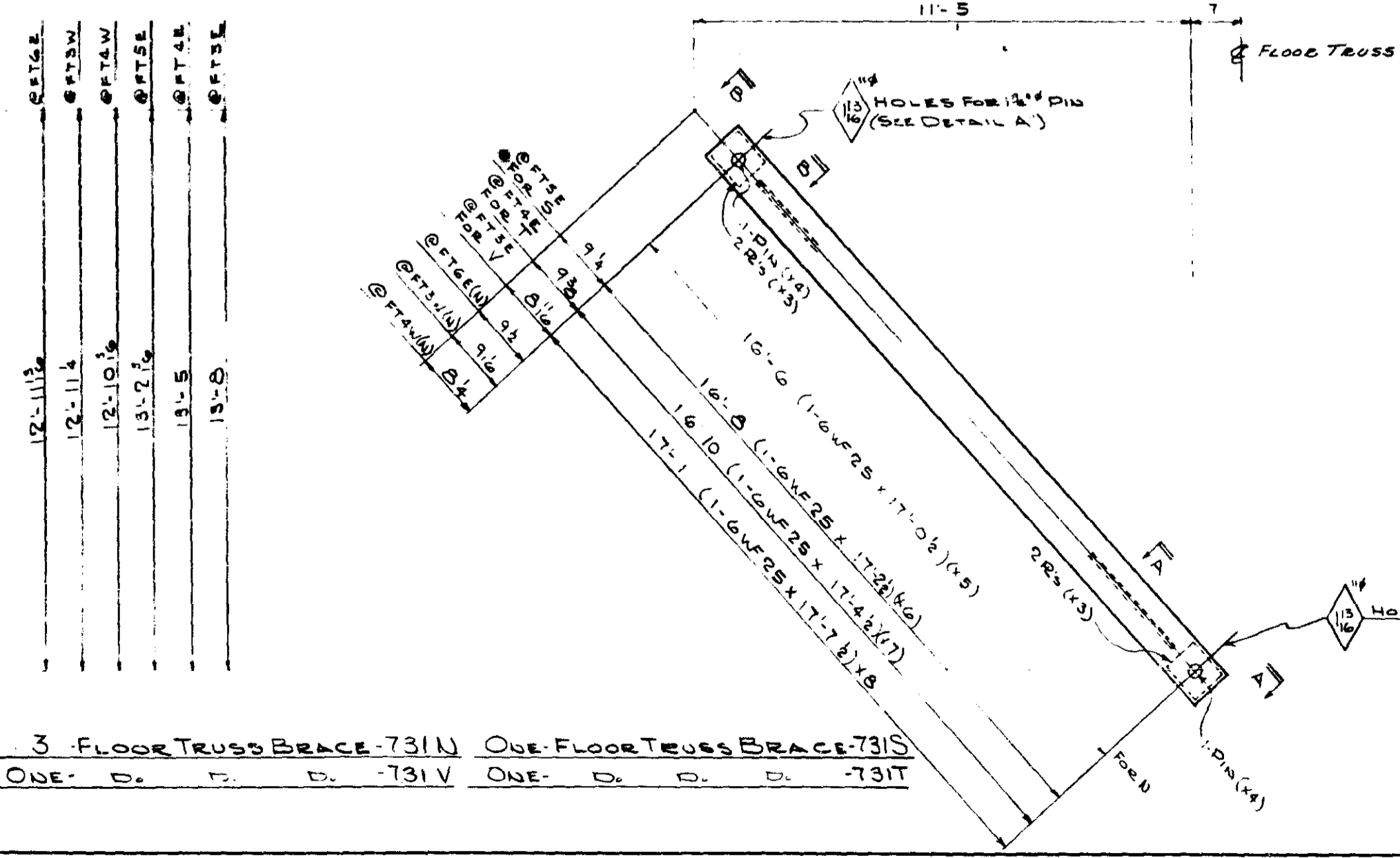
CLINTON FIB  
 OPEN HOLES 1/2" DIA. RIVETS & BOLTS 3/8" PAINT YES. SEE SHT GNI.  
 DRAWN BY **R.S.M.** DATE **7/16/66** CHECKED BY **K.L.K.** DATE **2-17-66**

REVISIONS: **2-8-67 R.E.M.**

CONTRACT **3142** FABCODE **244** SHEET **730 D**



33-FLOOR TRUSS BRACE-731A 3-FLOOR TRUSS BRACE-731B



3-FLOOR TRUSS BRACE-731N ONE-FLOOR TRUSS BRACE-731S  
ONE-D. P. D. -731V ONE-D. P. D. -731T

DIVISIONS		QTY	SHIP NO.	NO. REQD	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	TOTAL WEIGHT
7	8	9	11	12	13	16	17	18		
10	10	10	10	10	10	10	10	10		
11										
12										
13										
14										
15										
16										
17										
18										
19	731A	33			FLOOR TRUSS BRACE					
20		3			GWF25	16' 0 1/2	X2		7204 59	1266 3306
21		12			R		X3		7201 59	30 3306
22		6			ROD		X4			45 3314
23		12			COTTER PIN 1/4"	0 2 1/2		GALV.		
24		3			FW 1/2"	7 2				NC
25										
26										
27										
28										
29	731B	3			FLOOR TRUSS BRACE					
30		3			GWF25	17' 0 1/2	X5		7203 59	1278 3306
31		12			R		X3		7201 59	30 3306
32		6			ROD		X4			45 3314
33		12			COTTER PIN 1/4"	0 2 1/2		GALV.		
34		3			FW 1/2"	7 2				NC
35										
36										
37	731C	ONE			FLOOR TRUSS BRACE					
38		1			GWF25	17' 2 1/2	X6		7203 59	430 3306
39		4			R		X3		7201 59	10 3306
40		2			ROD		X4			15 3314
41		4			COTTER PIN 1/4"	0 2 1/2		GALV.		
42		1			FW 1/2"	7 2				NC
43										
44										
45	731D	ONE			FLOOR TRUSS BRACE					
46		1			GWF25	17' 4 1/2	X7		7203 59	434 3306
47		4			R		X3		7201 59	10 3306
48		2			ROD		X4			15 3314
49		4			COTTER PIN 1/4"	0 2 1/2		GALV.		
50		1			FW 1/2"	7 2				NC
51										
52										
53	731E	ONE			FLOOR TRUSS BRACE					
54		1			GWF25	17' 7 1/2	X8		7203 59	441 3306
55		4			R		X3		7201 59	10 3306
56		2			ROD		X4			15 3314
57		4			COTTER PIN 1/4"	0 2 1/2		GALV.		
58		1			FW 1/2"	7 2				NC
59										
60										
61										
62										
63										
64										
65										
66										
67										
68										
69										
70										
71										

SHOP NOTE:  
FOR GEN NOTES SEE  
GN:  
FOR MATL SPECS.  
SEE BILL OF MATL.

MINN. PROJ. NO. 21G35W-3(58)112  
STATE PROJ. NO. 2783-9340B  
(TH35W-394)

REF. E4, E5, E6, E7, E8	OPEN HOLES AS NOTED. RIVETS & BOLTS PAINT YES. SEE SHT GNI
DRAWN BY	DATE 1-25-68 CHECKED BY K.L.K. DATE 2-17-68
REVISIONS	△ △ △ △

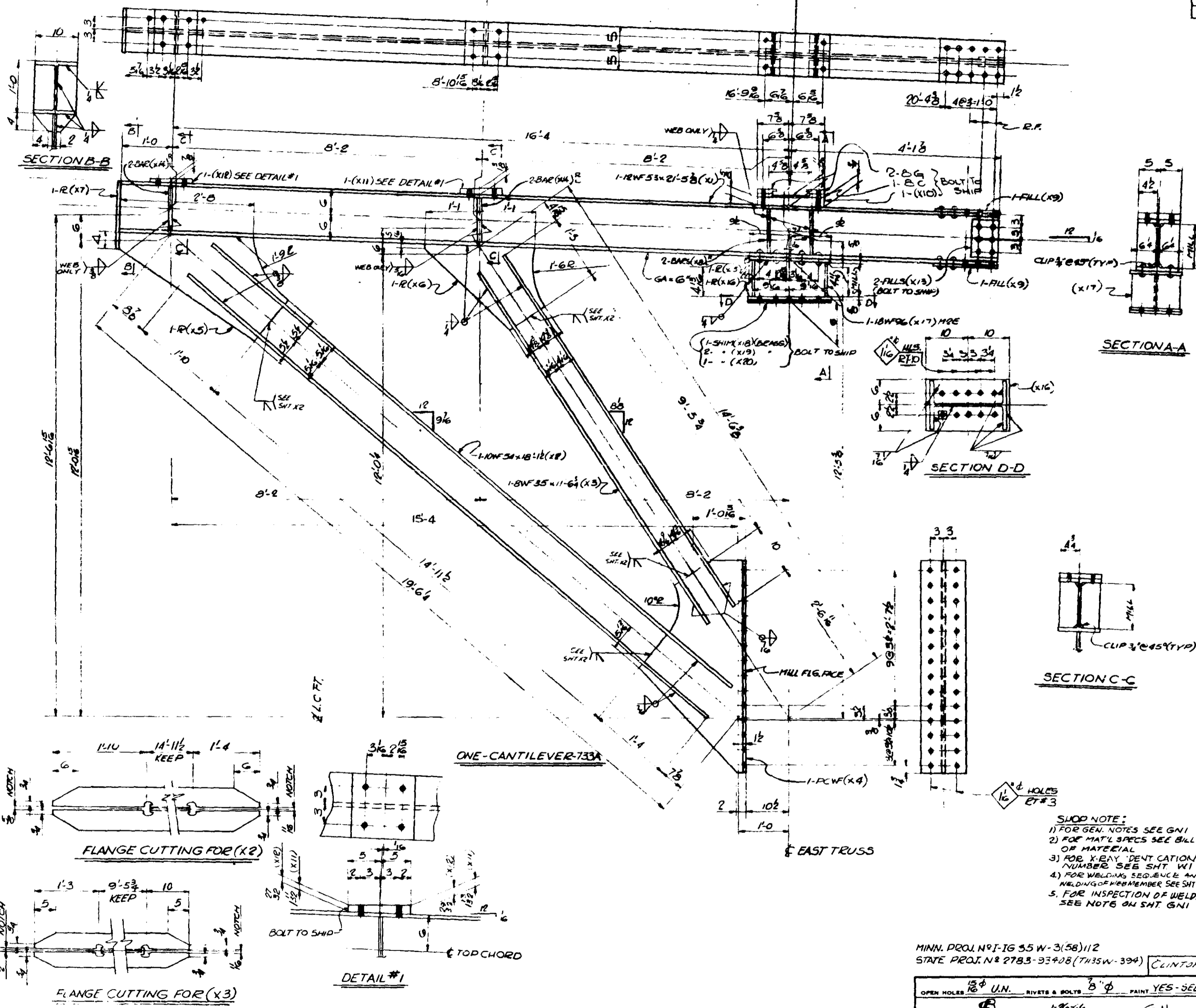
**ALLIED** MICRO-FILMED  
STRUCTURAL STEEL COMPANY  
1225 12TH STREET, HAMBURG, INDIANA 46026

DETAILS OF FLOOR TRUSS BRACES  
STRUCTURE BRIDGE NO. 9340  
LOCATION MINNEAPOLIS, MINNESOTA  
OWNER MINNESOTA STATE HWY. DEPT.  
CUSTOMER MINNESOTA STATE HWY. DEPT.

CONTRACT 3142 FABCOD 204 SHEET 731







NO.	QTY	SHAPE	LENGTH	PC	REMARKS	ITEM NO.	TOTAL WEIGHT	UNIT PRICE	TOTAL COST
7	3	250x150x10	150'-0"		CANTILEVER				
1	1	10WF53	21'-5"	X1		59	1129	3306	
2	1	10WF54	18'-12"	X2		59	979	3306	
3	1	8WF55	11'-6"	X3		59	405	3306	
4	1	PC 50WF105	4'-1"	X4		59	441	3306	
5	1	R 24 x 8	5'-4"	X5		59	138	3306	
6	1	R 18 1/2 x 8	2'-6"	X6		59	59	3306	
7	1	R 10 x 5	1'-4"	X7		59	17	3306	
8	4	BAR 42 x 2	0'-10"	X8	M.P.E.	59	28	3306	
9	2	FILLS 10 x 1/2	1'-3"	X9	1/2" WELD	59	59	3306	
10	1	R 10 x 1/2	1'-3"	X10	A.I.S.	59	30	3306	
11	1	R 10 x 1/2	0'-10"	X11	A.I.S.	59	25	3306	
12	1	R 10 x 1/2	0'-10"	X12	A.I.S.	59	25	3306	
13	2	FILL 6 x 1/2	0'-9"	X13	1/2" WELD	59	59	3306	
14	4	BAR 42 x 2	0'-10"	X14	M.P.E.	59	29	3306	
15	2	R 10 x 1/2	0'-9"	X15	A.I.S.	59	3	3306	
16	1	16" x 1/2" RIV.					NC		
17	1	1/4" WELD	52'-9"						
18	1	3/8" WELD	3'-7"						
19	1	1/2" WELD	23'-7"						
20	1	1/4" WELD	27'-1"						
21	2	1" x 1/2" SHIP BOLTS							
22	2	3/4" x 1/2" SHIP BOLTS							
23	1	R 12 x 5/8	1'-7"	X15		59	42	3306	
24	1	R 12 x 5/8	1'-8"	X16		59	43	3306	
25	1	10WF96	0'-4"	X17	M.P.E.	59	39	3306	
26	1	BOSS SHIP 12 x 1/2	1'-8"	X18		59	5	3331	
27	2	R 12 x 1/2	1'-8"	X19		59	17	3306	
28	1	R 12 x 1/4	1'-8"	X20		59	17	3306	
29	4	R			OG				
30	1	R			OC				
31	1	R			OC				
32	1	R			OC				
33	1	R			OC				
34	1	R			OC				
35	1	R			OC				
36	1	R			OC				
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68	1	R			OC				
69	1	R			OC				
70	1	R			OC				
71	1	R			OC				

NO	LGTH
5	22
5	24

SHOP NOTE:  
 1) FOR GEN. NOTES SEE GNI  
 2) FOR MAT'L SPECS SEE BILL OF MATERIAL  
 3) FOR X-RAY IDENTIFICATION NUMBER SEE SHT W1  
 4) FOR WELDING SEQUENCE AND WELDING OF WEB MEMBER SEE SHT W2  
 5) FOR INSPECTION OF WELDS SEE NOTE ON SHT GNI

**ALLIED STRUCTURAL STEEL COMPANY**  
 FABRICATORS & ERECTORS  
 1200 15TH STREET S.W. MINNEAPOLIS, MINN. 55403

DETAILS OF: **CANTILEVER @ FT 7 EAST TRUSS**

STRUCTURE: **BRIDGE NO. 9340**

LOCATION: **MINNEAPOLIS, MINNESOTA**

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

CUSTOMER: **MINNESOTA STATE HWY DEPT.**

MINN. PROJ. NO. 1-16 55 W-3(58)112  
 STATE PROJ. NO. 2783-33408 (TH35W-394) CLINTON FAB

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

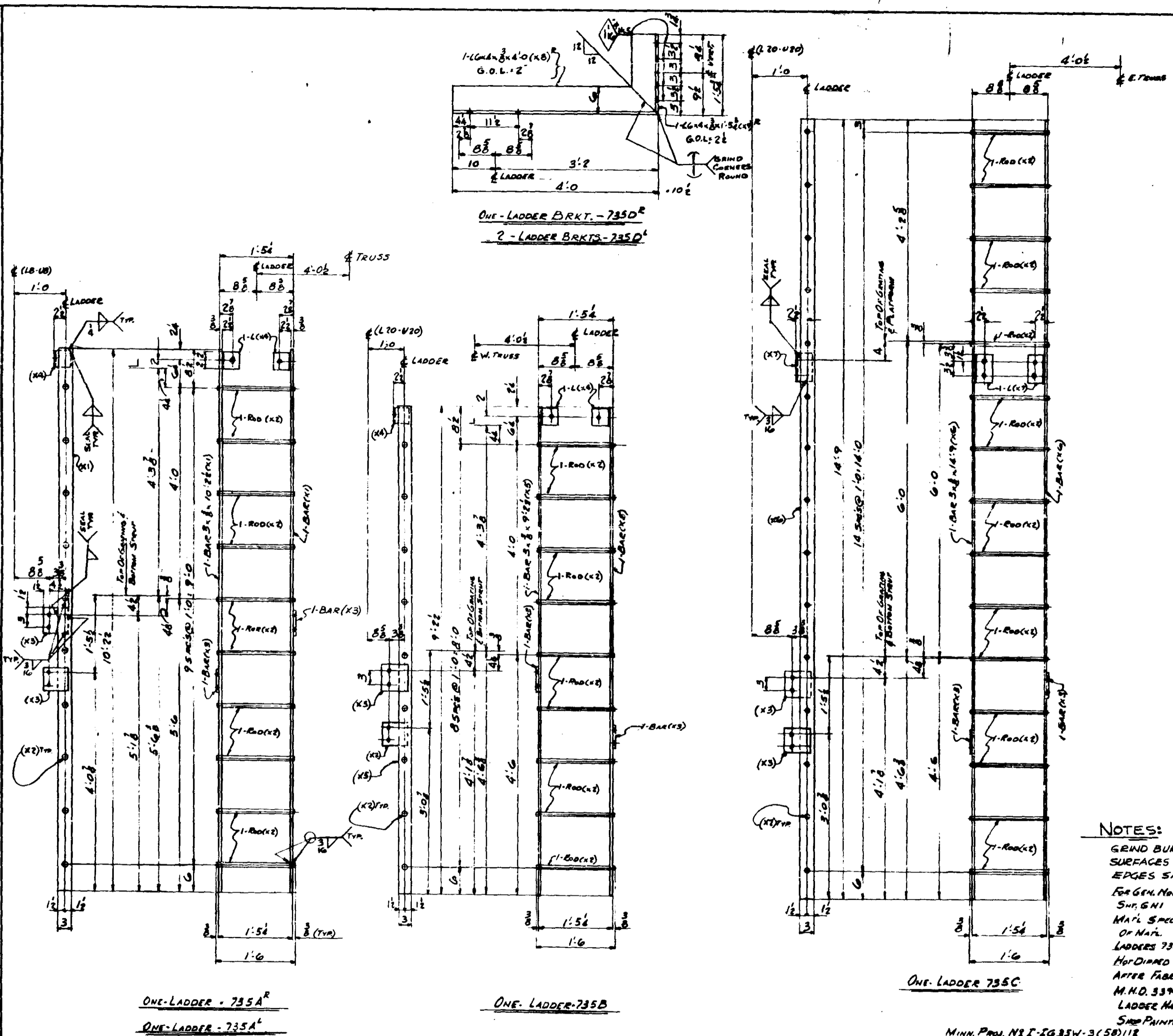
DRAWN BY: **EM** DATE: **1-20-66** CHECKED BY: **SN** DATE: \_\_\_\_\_

REVISIONS: **2-8-67** **1-1-67** **1-1-67** **1-1-67**

CONTRACT: **3142** FARCOD: **244** SHEET: **733**







Div	Item	QTY	SHAPE	LENGTH	PC	REMARKS	ITEM NO	TOTAL WEIGHT	M.H.C.
711	1	1	LADDER						
2	735A	ONE	LADDER						
3	735A	ONE	LADDER						
4	1	BAR 3/8"		10.22	K1		708	59	156
5	20	ROD 1/2"		1.6	K8		708	59	45
6	4	BAR 1/2"		0.6	K2		708	59	15
7	4	LS 4x4x8		0.4	K4		707	59	13
8	2	1/2 WLD		5.10					NC
9	2	1/2 WLD		1.0					NC
11	735D	ONE	LADDER						
12	2	BAR 3/8"		9.26	K5		708	59	71
14	1	ROD			K2		708	59	2.0
15	2	BAR			K8		708	59	8
16	2	LS			K4		708	59	7
17	1	1/2 WLD		5.6					NC
18	1	1/2 WLD		1.0					NC
20	735E	ONE	LADDER						
21	2	BAR 3/8"		14.9	K6		708	59	115
23	15	1/2 ROD			K2		708	59	39
24	2	BAR			K8		708	59	8
25	2	LS 4x4x8		0.62	K7		708	59	11
26	1	1/2 WLD		8.10					NC
29	735D	ONE	LADDER BRKT.						
30	735D	2	LADDER BRKTS.						
31	3	LG 4x8		4.0	K9		708	59	148
32	3	LG 4x8		1.58	K9		708	59	55

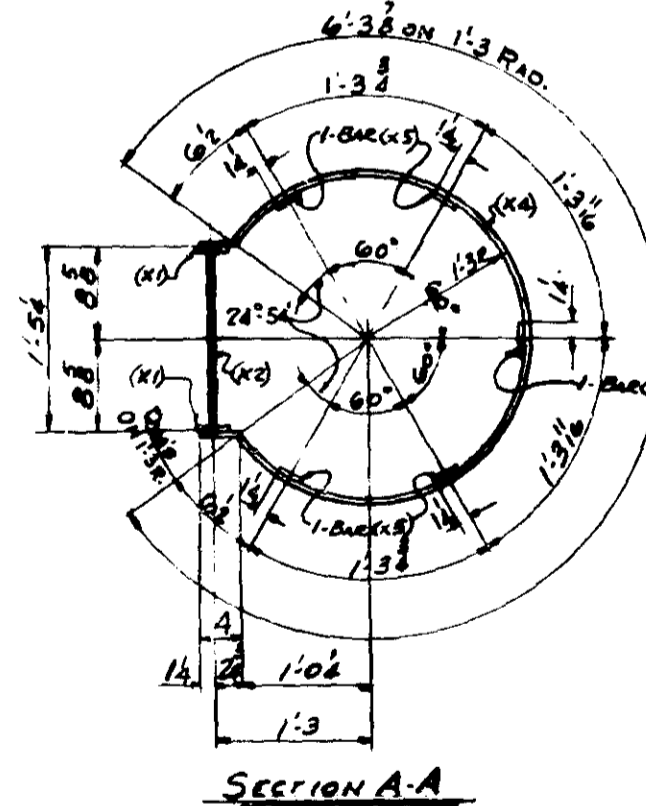
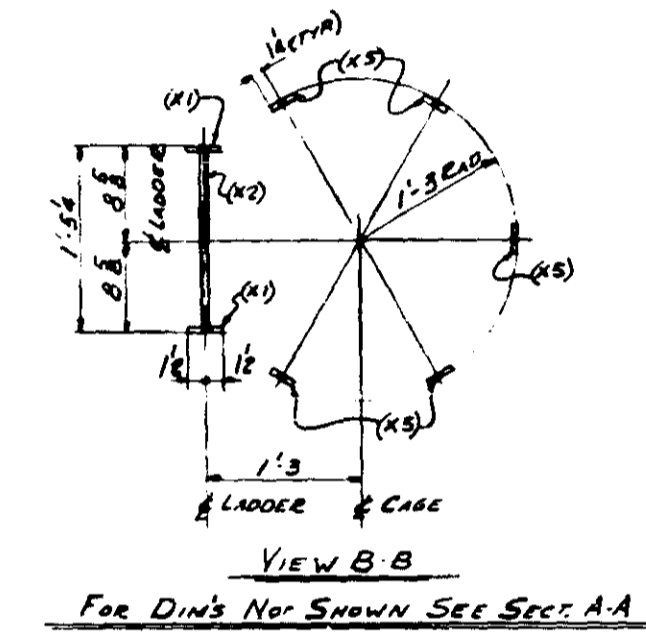
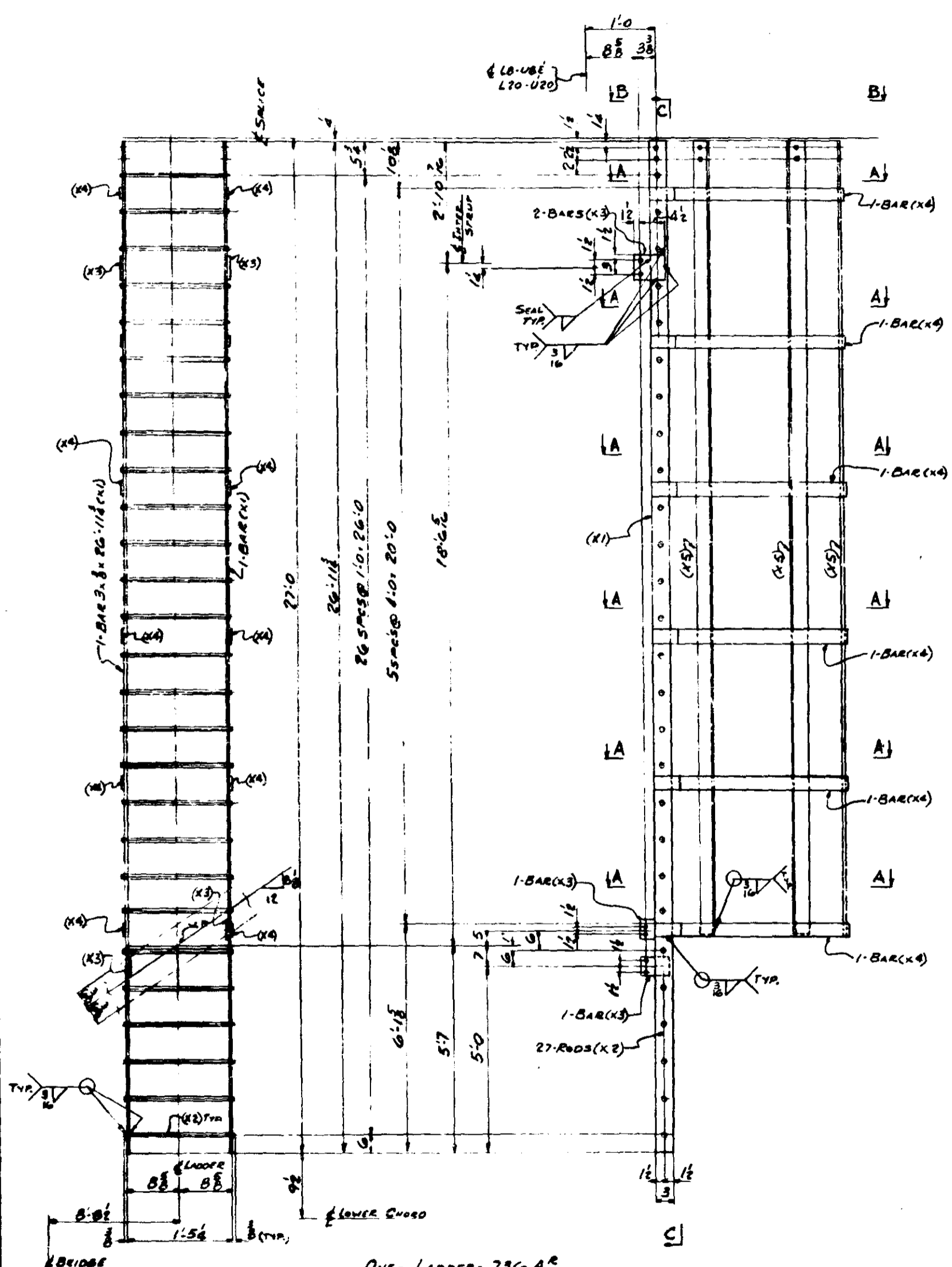
NOTES:  
GRIND BURS, ROUGH SURFACES AND SHARP EDGES SMOOTH  
FOR GEN. NOTES SEE SHIP. GENI  
MATERIAL SPECS. SEE BILL OF MATERIALS  
LADDERS 735A, B, C TO BE HOT-DIP GALVANIZED AFTER FABRICATION PER M.H.D. 3394  
LADDER HANGERS 735D TO BE SHIP PAINTED PER SHIP. GENI

**ALLIED** STRUCTURAL STEEL COMPANY  
ENGINEERS FABRICATORS DIRECTORS  
1415 15TH STREET WARREN, ILLINOIS 60090

DETAILS OF LADDERS @ LB&LCO  
STRUCTURE BRIDGE N1980  
LOCATION MINNEAPOLIS, MINNESOTA  
OWNER MINNESOTA STATE HIGHWAY DEPT.  
CUSTOMER MINNESOTA STATE HIGHWAY DEPT.

CONTRACT 3142 FABCOD 945 SHEET 735

MINN. PROJ. N19-1035W-3(58)118  
STATE PROJ. N19-1035W-3(58)118  
DRAWN BY L.O. DATE 1-25-66 CHECKED BY K.W.K. DATE 2-10-66  
REVISIONS



NOTES:  
 FOR GEN. NOTES SEE SHEET G-1  
 MAT'L. SPEC'S. SEE BILL OF MAT'L.  
 LADDER 736A TO BE HOT DIPPED  
 GALVANIZED AFTER FABRICATION  
 PER M.H.D. 3394  
 GRIND BURRS, ROUGH SURFACES  
 & SHARP EDGES SMOOTH

Div.	QTY	SHIP NO.	NO. REQ.	SHAPE	LENGTH	P.C. MK.	REMARKS	ITEM NO.	TOTAL WEIGHT	NO. SPEC.
711	1									
1	2	736A	ONE	LADDER						
1	3	736A	ONE	LADDER						
	4		4	BAR 3x8	26'-11 1/2"	N1		7816	59	413
	5		54	RODS 3/8"	1'-6"	X2		7815	59	122
	6		8	BAR 4x8	0'-6"	X3		7820	59	31
	7		12	BAR 2x8	7'-0"	X4	BENT	7817	59	270
	8		10	BAR 2x8	21'-0"	X5		7818	59	671
	9		2	1/2" W6x9	46'-7"					N.C.
	10									
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**ALLIED STRUCTURAL STEEL COMPANY**  
 ENGINEERS FABRICATORS ERECTORS  
 1445 14TH STREET, MINNEAPOLIS, MINN. 55402

MINN. PERM. NO. I-1635W-3(150)112  
 STATE PERM. NO. 2783-9340B (TH55W-394)

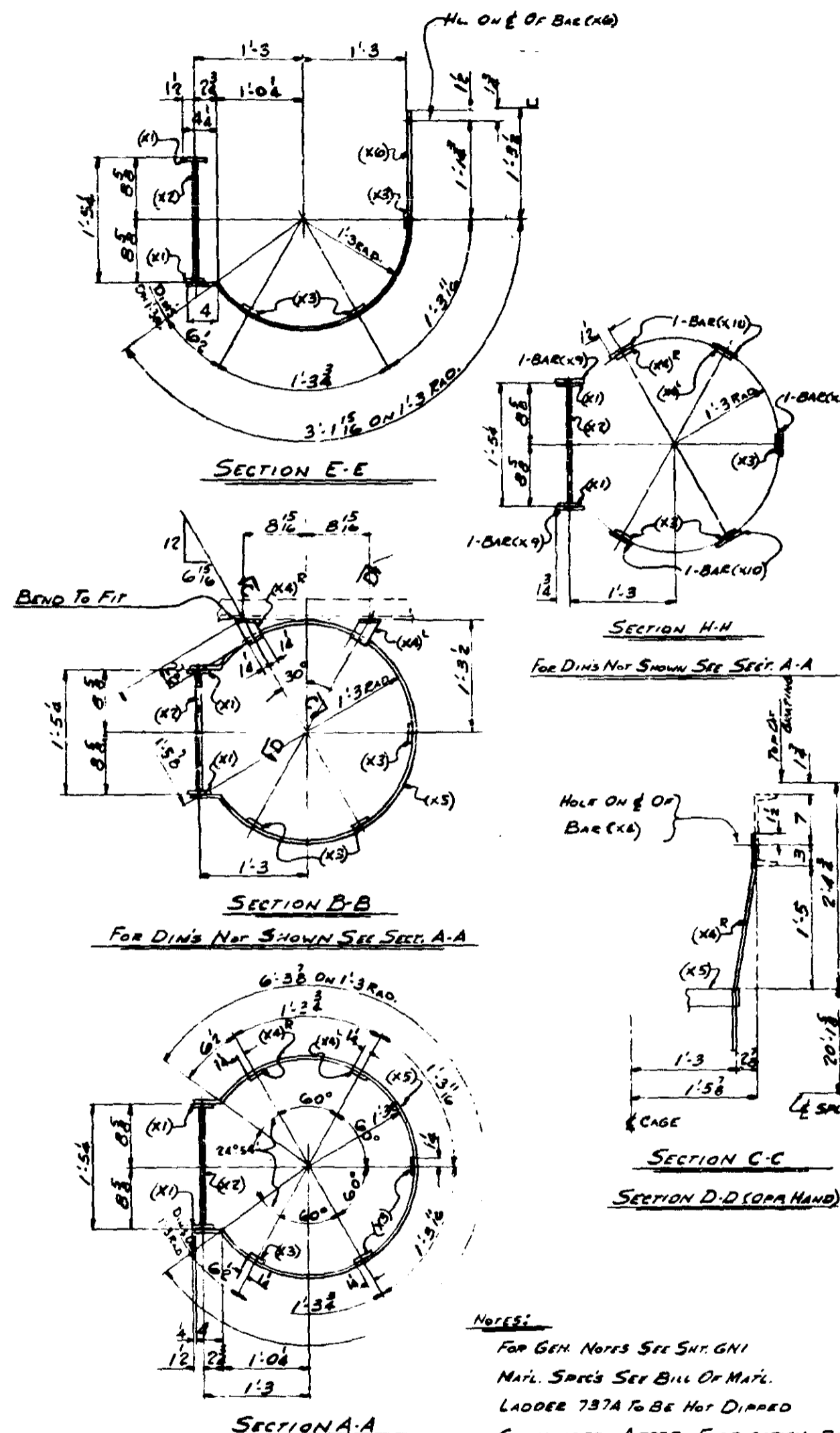
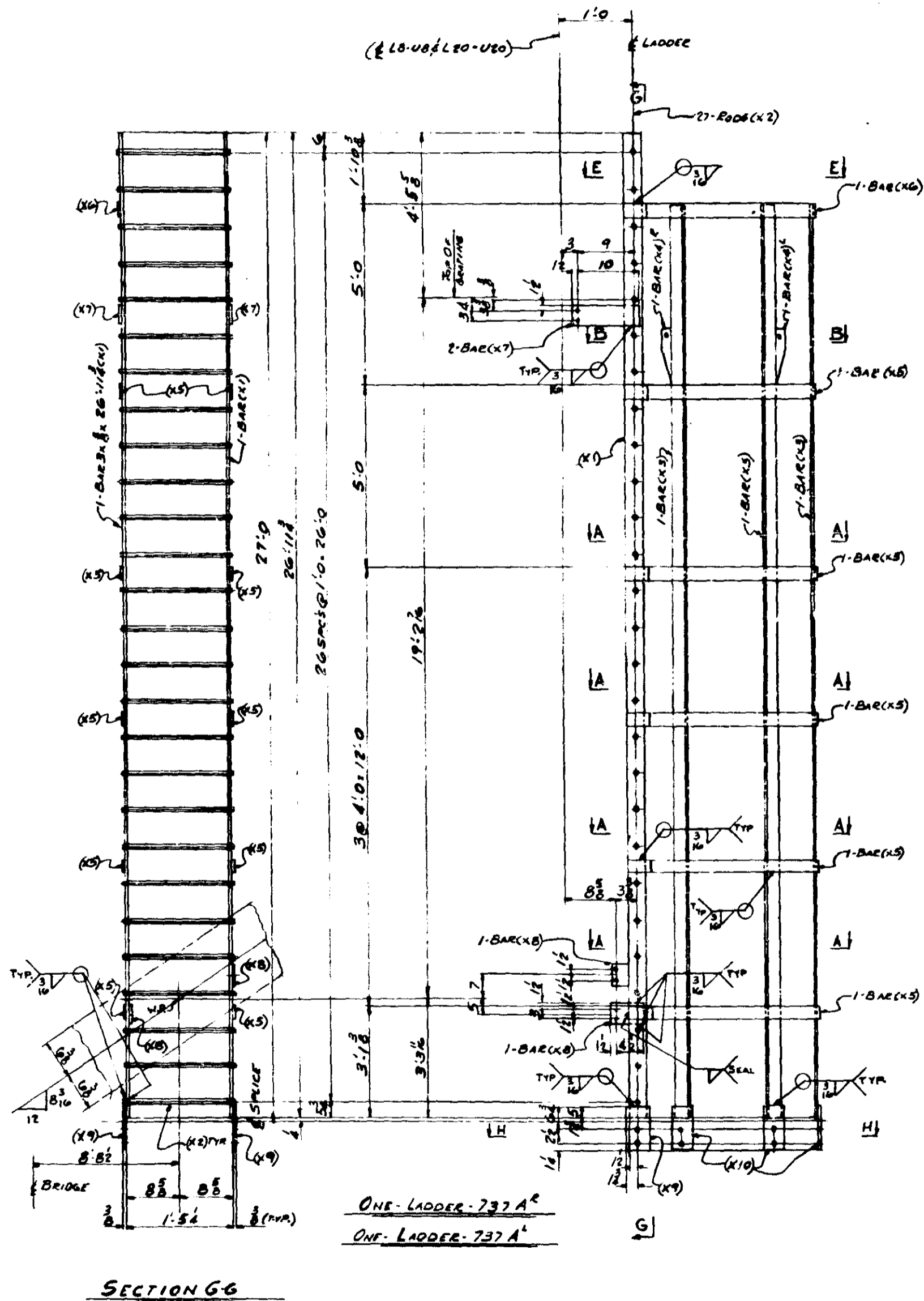
DETAILS OF LADDER @ LB# L20  
 STRUCTURE BRIDGE #1 93ND  
 LOCATION MINNEAPOLIS, MINNESOTA  
 OWNER MINNESOTA STATE HWY. DEPT.  
 CUSTOMER MINNESOTA STATE HWY. DEPT.

CLINTON FAB  
 DIVISIONS 7 & 11

OPEN HOLES 1/2"  
 RIVETS & BOLTS NONE  
 DATE 1-31-66 CHECKED BY K.L.K. DATE 2-10-66

REVISIONS: [Diagrams showing revisions]

CONTRACT 3142 FABCOD 945 SHEET 736



NOTES:  
 FOR GEN. NOTES SEE SH. GHI  
 NAIL SPEC'S SET BILL OF MAT'L.  
 LADDER 737A TO BE HOT DIPPED  
 GALVANIZED AFTER FABRICATION PER  
 M.H.D. 3394  
 GRIND BURRS, ROUGH SURFACES &  
 SHARP EDGES SMOOTH.

Divs	NO.	QTY	SHAPE	LENGTH	PC	REMARKS	ITEM NO.	TOTAL WEIGHT	W.T.
7	11	1							
1	3	737A	ONE LADDER						
1	3	737A	ONE LADDER						
4									
5	4	BAR 3/8"	26 1/2	K1			7814	59	413
6	54	RODS 3/8"	1 6	X2			7815	59	122
7	6	BAR 2 1/2"	25 1/8	X3			7816	59	480
8	4	BAR 2 1/2"	21 1/8	X4	BENT		7817	59	280
9	10	BAR 2 1/2"	7 0/8	X5	BENT		7817	59	225
10	2	BAR 2 1/2"	4 9/8	X6	BENT		7817	59	31
11	4	BAR 6 x 3	0 11 1/2	X2			7818	59	29
12	4	BAR 6 x 3	0 6	X4			7818	59	15
13	4	BAR 3 1/2 x 3	0 10 1/2	X9				59	16
14	10	BAR 3 1/2 x 3	0 10 1/2	X10				59	34
15	?	W.L.D.	52 3						N.C.
16									
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ALLIED STRUCTURAL STEEL COMPANY  
 1222 TENTH STREET, HARBOR, INDIANA 46033

MINN. PROJ. NO. 1-1635W-3(58)112  
 STATE PROJ. NO. 2783-9340R(TH35W304)

DETAILS OF LADDER @ L&L 20  
 STRUCTURE BRIDGE NY 9340  
 LOCATION MINNEAPOLIS, MINNESOTA  
 OWNER MINNESOTA STATE HWY. DEPT.  
 CUSTOMER MINNESOTA STATE HWY. DEPT.

CLINTON FAB

OPEN HOLES: 1/8" RIVETS & BOLTS: NONE PAINT: SEE NOTES  
 DRAWN BY: L.O. DATE: 2-1-66 CHECKED BY: K.L.H. DATE: 2-10-66

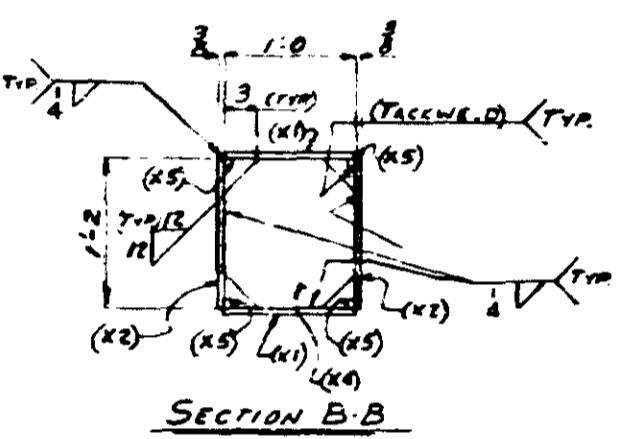
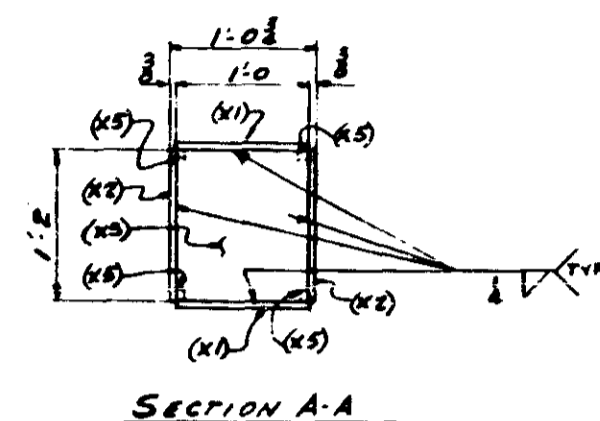
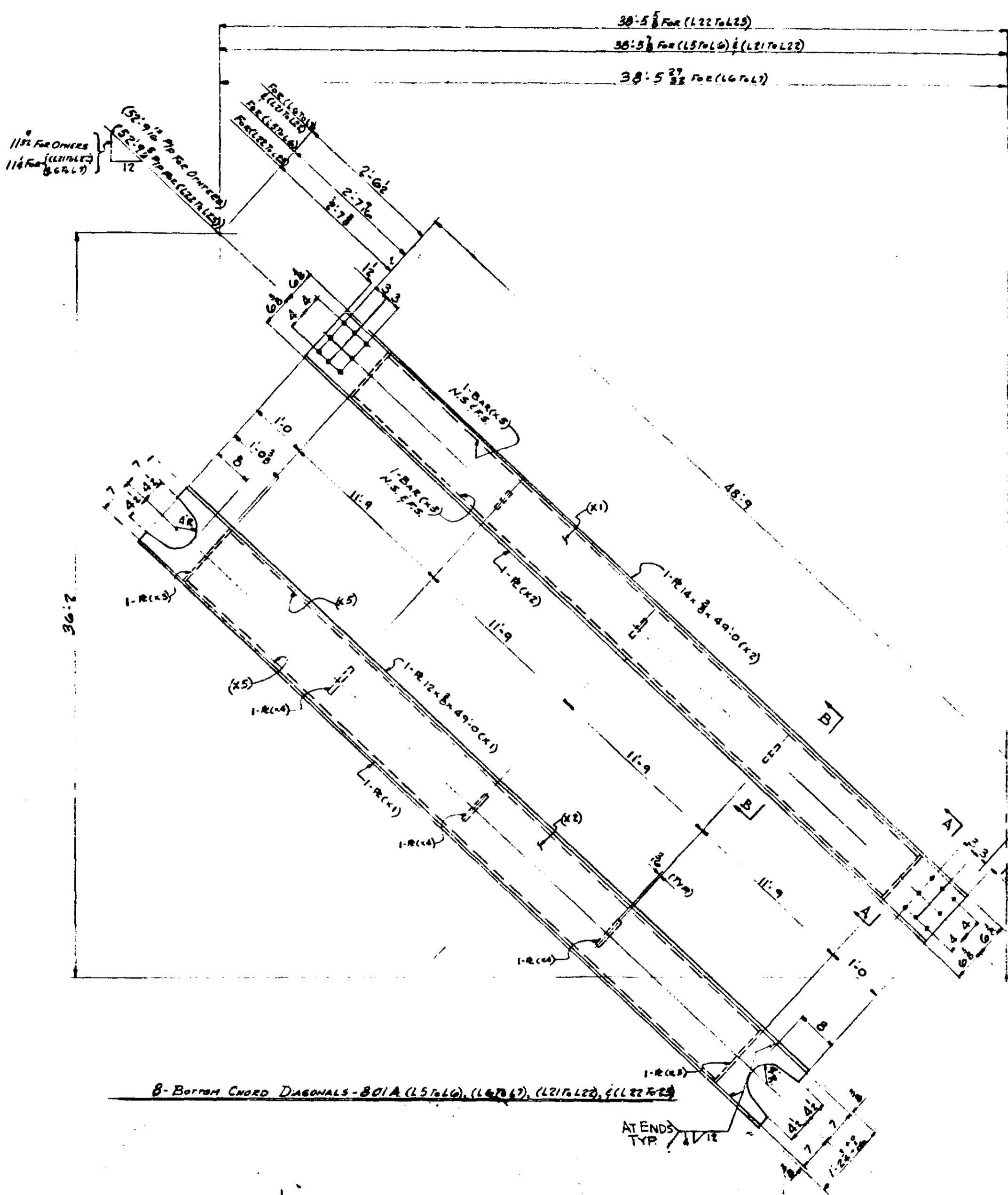
REVISIONS: [ ] [ ] [ ] [ ]

CONTRACT 3142 FABCOD 945 SHEET 737

MICRO-FILMED







Notes:  
 For GENERAL NOTES SEE SHT. G-1  
 Mat'l. Specs: SEE BILL OF MAT'L.  
 FOR INSPECTION OF WELDS SEE  
 NOTE ON SHT. G-1

REV	DATE	BY	CHKD	DESCRIPTION	ITEM NO.	QTY	WEIGHT	PRICE	TOTAL		
1											
2				BOIA & P.C. DIAGONALS							
3											
4				16 R 12x	49	0	X1	1302	59	11795	3306
5				16 R 14x	49	0	X2	1308	59	12994	3306
6				16 R 12x	1	2	X3	1305	59	286	3306
7				24 R 12x	1	2	X4	1305	59	428	3306
8				32 BAR 8x	46	114	X5	1304	59	721	3306
9				8 E.F.W.D.	211	0					
10											
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B-Bottom CHORD DIAGONALS - BOIA (L576L6), (L676L7), (L2176L22), (L2276L23)

ALLIED STRUCTURAL STEEL COMPANIES  
 CLYTON BRIDGE CORP. • BARR STRUCTURAL STEEL CORP. • MIDLAND STRUCTURAL STEEL CORP.  
 ENGINEERS - FABRICATORS - ERECTORS OF BUILDINGS AND BRIDGES  
 30 NORTH WACKER DRIVE CHICAGO 6, ILLINOIS

MINN. PROJ. NO. I-1635W-3(58)112 DIVISION # 812  
 STATE PROJ. NO. 2783-9340B (N35W-574) HAMMOND FAB

DETAILS OF B-TOP CHORD LATERAL DIAGONALS  
 STRUCTURE BRIDGE # 9540  
 LOCATION MINNEAPOLIS MINNESOTA  
 OWNER MINNESOTA STATE HWY. DEPT.  
 CUSTOMER MINNESOTA STATE HWY. DEPT.

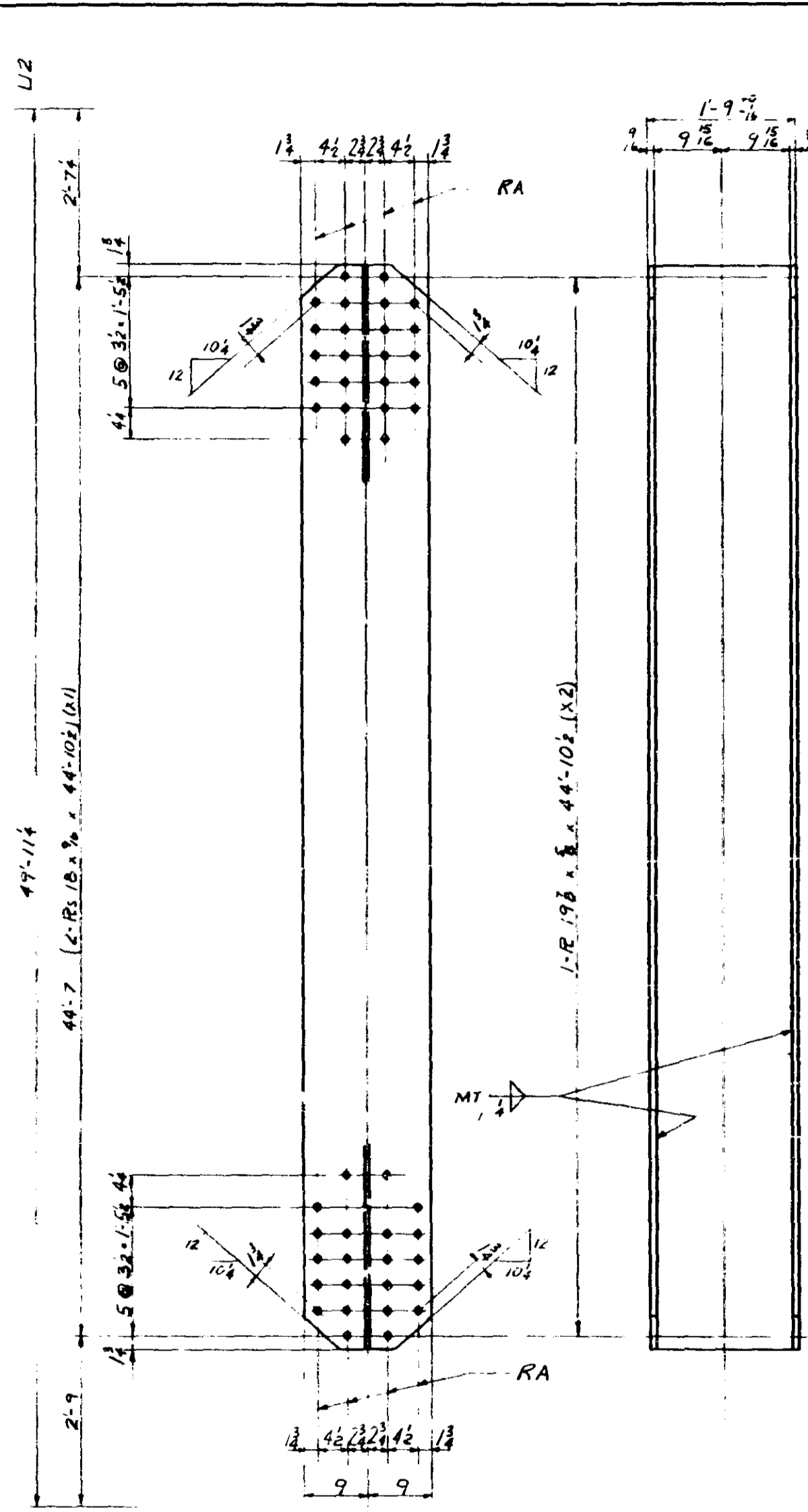
DRAWN BY L.O. DATE 12-20-65 CHECKED BY H.M.H. DATE 2-9-66

REF. DWG. E11 E16 REVISIONS

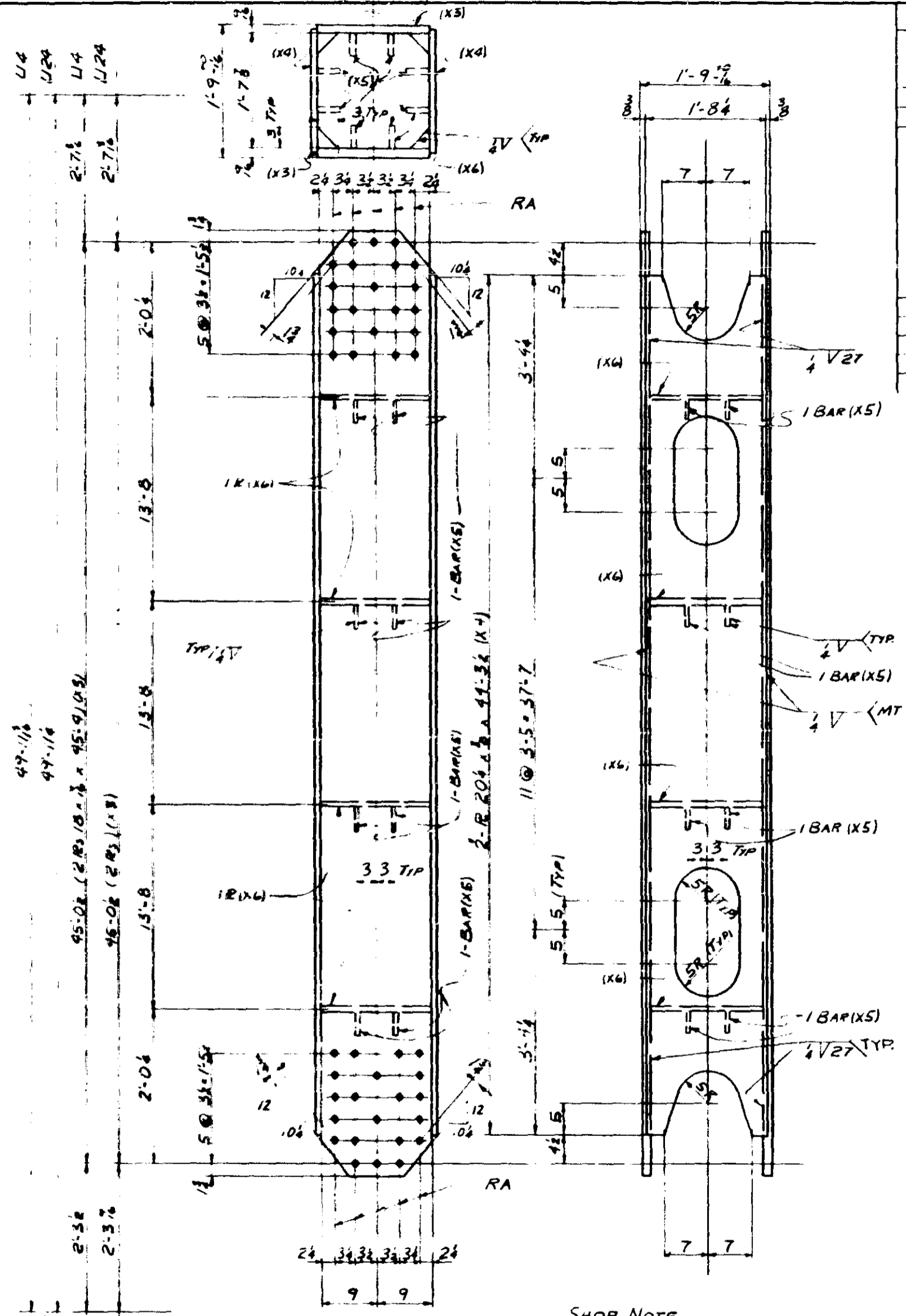
CONTRACT 3142 FABCO 264 SHEET 801







FABCOD 235  
 ONE DIAGONAL 904 L3-U2E  
 ONE do 904 L3-U2W



FABCOD 214  
 ONE DIAGONAL 904 L3-U4E  
 ONE do 904 L3-U4W  
 ONE do 904 L25-U29E  
 ONE do 904 L25-U29W

SHOP NOTE  
 FOR GEN NOTES SEE GNI  
 FOR MATL SPECS SEE BILL OF MATL  
 FOR INSPECTION OF WELDS  
 SEE NOTE ON SHIT GNI

DIV	SHIP NO	NO	SHAPE	LENGTH	PC	REMARKS	ITEM NO	TOTAL WEIGHT	MHD
913		1	ONE DIAGONAL	904 L3-U2E		(20 x 45'-0)			
		2	ONE do	904 L3-U2W					
		4	R 18 x 9/16	44 102 XL	UM	1725 61	2180	3310	
		5	R 19 1/2 x 8	44 102 X2		1720 61	3790	3310	
		7	2 1/2 FW	179.6				NC	
		15	ONE DIAGONAL	904 L3-U4E		(20 x 50'-0)			
		16	ONE do	904 L3-U4W					
		17	ONE do	904 L25-U29E					
		18	ONE do	904 L25-U29W					
		21	B R 18 x 9/16	45 4 X3		1719 61	1247	3310	
		22	B R 20 1/2 x 8	44 32 X4		1720 61	9199	3310	
		23	12B BAR 32 x 3/8	0 32 X5		1721 59	166	3306	
		24	16 R 18 x 8	1 18 X6		1722 59	608	3306	
		27	4 1/2 FW	213.10				116	
		52	BID ITEM	59 =		774			
		54	BID ITEM	61 =		31606			

DIV 913

**ALLIED** STRUCTURAL STEEL COMPANY  
 1500 15TH STREET PARKWAY, MINNAPOLIS, MINN 55412

DETAILS OF TRUSS, DIAGONALS  
 STRUCTURE BRIDGE No 9340  
 LOCATION MINNEAPOLIS, MINNESOTA  
 OWNER MINN STATE HWY DEPT.  
 CUSTOMER MINN STATE HWY DEPT.

MINN PROJ No 110 35W-3 (5B) 112  
 HAMMOND FAB STATE PROJ No 2783 240B (TH 35W 394)

OPEN HOLES 1/4" RIVETS & BOLTS PAINT YES SEE SHIT GNI

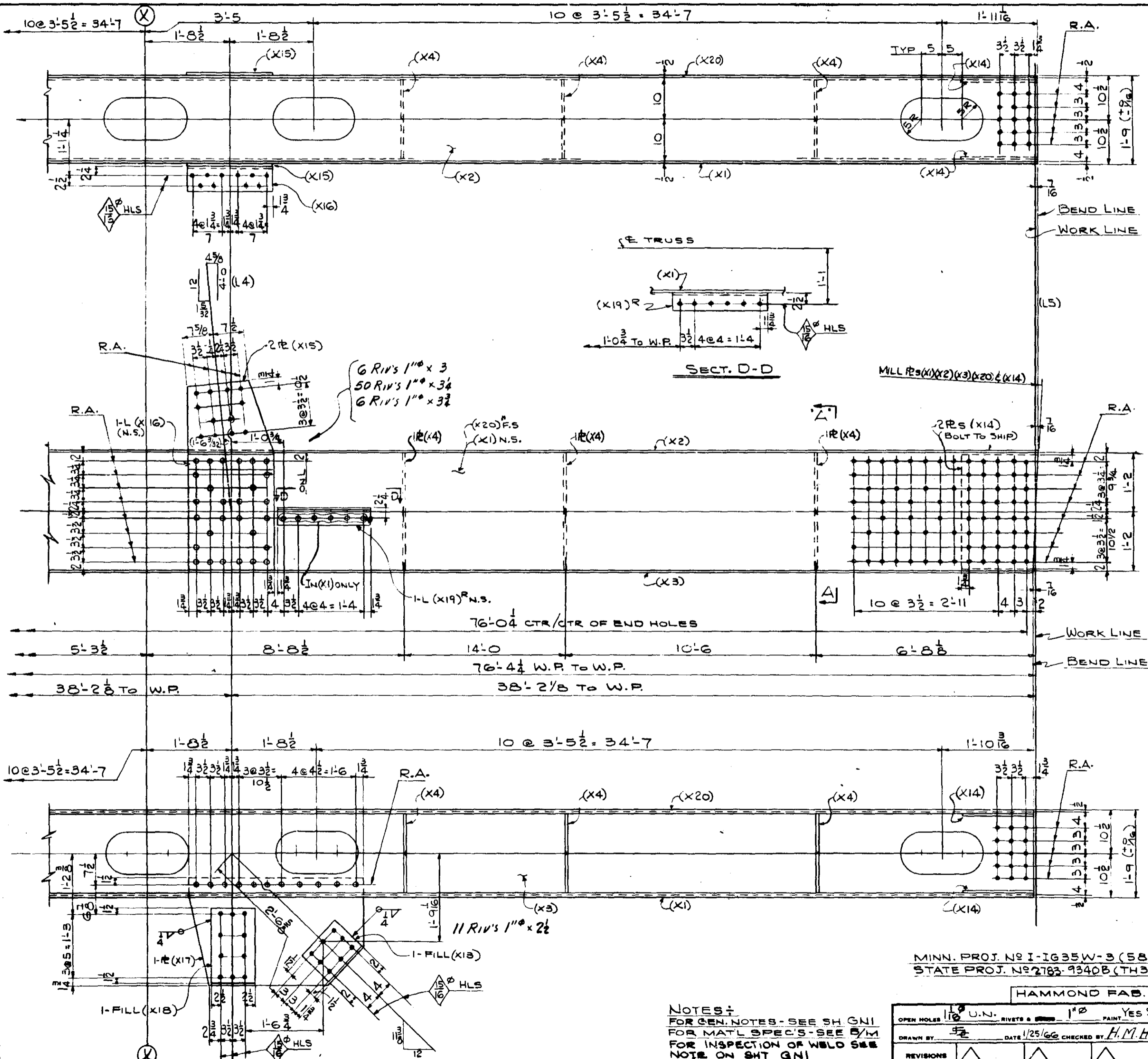
DRAWN BY M.L.P DATE 1-29-66 CHECKED BY H.M.H DATE 2-23-66

REF E10-E15

REVISIONS

CONTRACT 3142 FABCOD 214 SHEET 904





LINE NO.	SHIP NO.	NO. REQ.	SHAPE	LENGTH	PC. WTS.	REMARKS	ITEM NO.	TOTAL WEIGHT
1								
2								
3			ONE LOWER CHORD - 905 (L3-L5) W (AS SHOWN)					
4			ONE LOWER CHORD - 905 (L3-L5) E (OPP. HAND)					
5								
6	2		2B x 1 5/16	76 5/8 X1	M.2E	1807 59	13662	3306
7	2		20 x 1/2	76 5/8 X2	M.2E	1808 59	597	3306
8	2		20 x 1/2	76 3/8 X3	M.2E	1808 59	587	3306
9	12		19 1/2 x 3/8	2 4 X4		1825 59	683	3306
10	4		57 1/2 x 1/2	7 3/4 X5		1811 59	2853	3306
11	4		15 x 1/2	2 3/4 X6		1812 59	237	3306
12	2		19 x 3/8	1 2 X7	U.M.-BENT	1816 59	57	3306
13	2		14 1/4 x 1/2	1 2 X8	U.M.-BENT	1815 59	57	3306
14	2		L 6 x 4 x 3/8	1 10 1/4 X9	BENT	1813 59	46	3306
15	2		L 4 x 4 x 3/8	1 9 X10		1814 59	39	3306
16	2		27 1/2 x 3/8	3 3/4 X11	BENT	1817 59	229	3306
17	2		BEV. FILL 12 x 1/2	1 7 X12		1823 59	173	3306
18	4		FILL 9 x 1/2	1 0 X13		1820 59	67	3306
19	4		27 1/2 x 3/8	1 6 3/4 X14	M.1E	1822 59	213	3306
20	4		21 x 1/2	3 9 X15		1821 59	536	3306
21	2		L 6 x 4 x 3/8	1 9 X16		1813 59	43	3306
22	2		25 1/8 x 3/8	3 6 1/2 X17		1817 59	227	3306
23	2		FILL 12 x 1/2	1 6 X18		1824 59	67	3306
24	2		L 4 x 4 x 3/8	1 11 X19		1814 59	38	3306
25	2		2B x 1 5/16	76 5/8 X20	M.2E	1807 59	13612	3306
26								
27	2		5/16 WLD	305 6				
28	2		1/4 WLD	48 2				
29								
30								
31								
32			370 1" RIV.					
33			8 S.B.					
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**ALLIED** STRUCTURAL STEEL CO.  
ENGINEERS, FABRICATORS, ERECTORS  
1220 10TH STREET, MINNEAPOLIS, MINN.

DETAILS OF LOWER CHORD (L3-L5)  
STRUCTURE: BRIDGE N3 9340  
LOCATION: MINNEAPOLIS, MINNESOTA  
OWNER: MINNESOTA STATE HWY DEPT.  
MINNESOTA STATE HWY DEPT.

MINN. PROJ. NO I-1635W-3 (58)112  
STATE PROJ. NO 2783-9340B (TH35W394)

HAMMOND FAB. DIV. 9

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

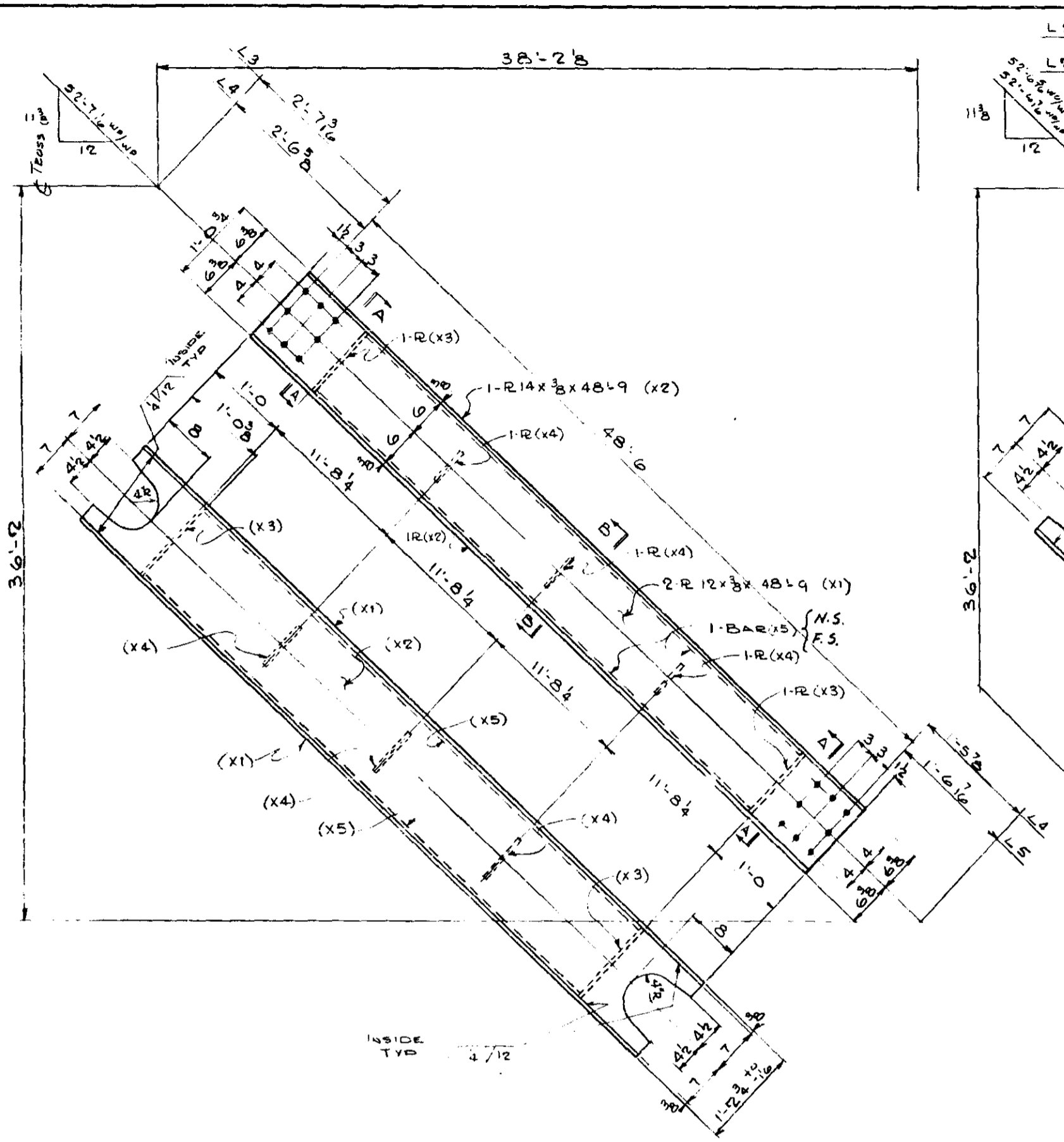
DATE 1/25/66 CHECKED BY H.M.H. DATE 2-4-66

REVISIONS:  $\Delta$   $\Delta$   $\Delta$   $\Delta$  3-23-67

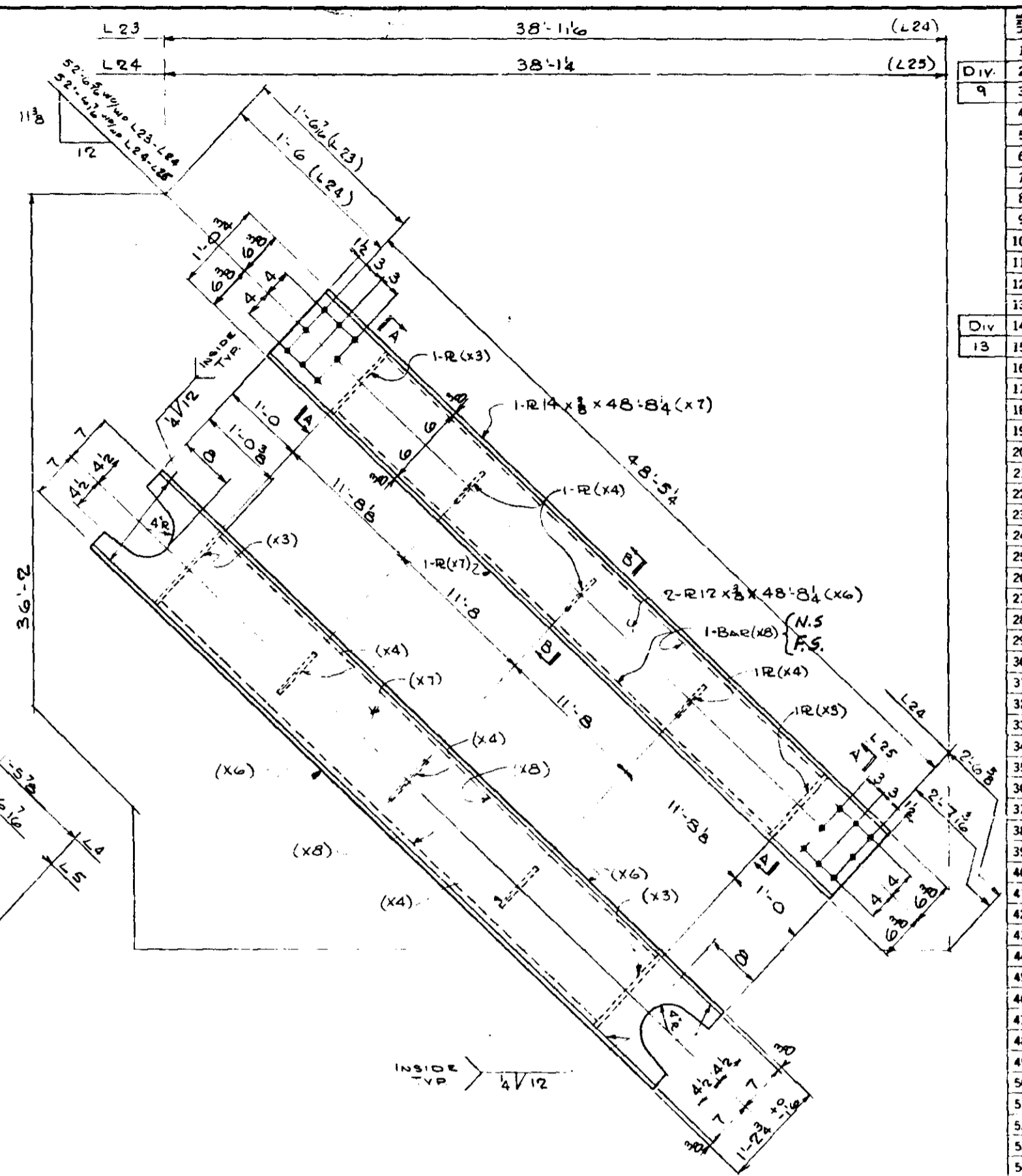
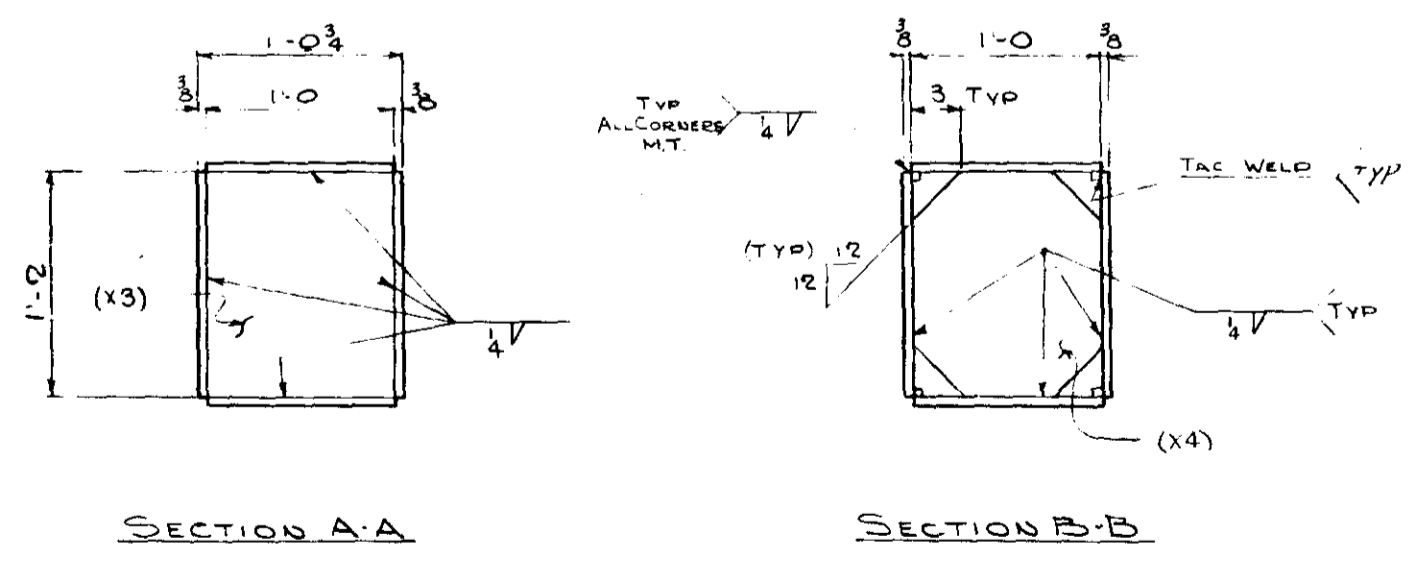
CONTRACT 3142 PAKCD 215

NOTES:  
FOR GEN. NOTES - SEE SH.GNI  
FOR MAT'L SPEC'S - SEE B/M  
FOR INSPECTION OF WELD SEE  
NOTE ON SHT GNI





4-BOTTOM CHORD DIAGONALS-906A



4-BOTTOM CHORD DIAGONALS-906B

LINE	SHIP NO.	NO. REQD.	SHAPE	LENGTH	PC. NO.	REMARKS	ITEM NO.	TOTAL WEIGHT	W.T. PER LIN. FT.
1									
2									
3	906A	4	BOTTOM CHORD DIAGONALS	(5 X 49'-0")					
4		8	R 12 X 3/8	48' 9"	X1		59	5967	3306
5		8	R 14 X 3/8	48' 9"	X2		59	6962	3306
6		8	R 12 X 3/8	1' 2"	X3		59	143	3306
7		12	R 12 X 3/8	1' 2"	X4		59	219	3306
8		16	BAR 3/8 X 3/8	46' 8 1/2"	X5		59	359	3306
9		4	F.W. 4	217'	Z				NC
10									
11									
12									
13									
14									
15	906B	4	BOTTOM CHORD DIAGONALS	(15 X 49'-0")					
16		8	R 12 X 3/8	48' 8 1/4"	X6		59	5959	3306
17		8	R 14 X 3/8	48' 8 1/4"	X7		59	6953	3306
18		16	BAR 3/8 X 3/8	46' 7 1/2"	X8		59	358	3306
19		8	R 12 X 3/8	1' 2"	X3		59	143	3306
20		12	R 12 X 3/8	1' 2"	X4		59	219	3306
21		4	F.W. 4	217'	O				NC
22									
23									
24									
25									
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BID ITEM 59 - 27272

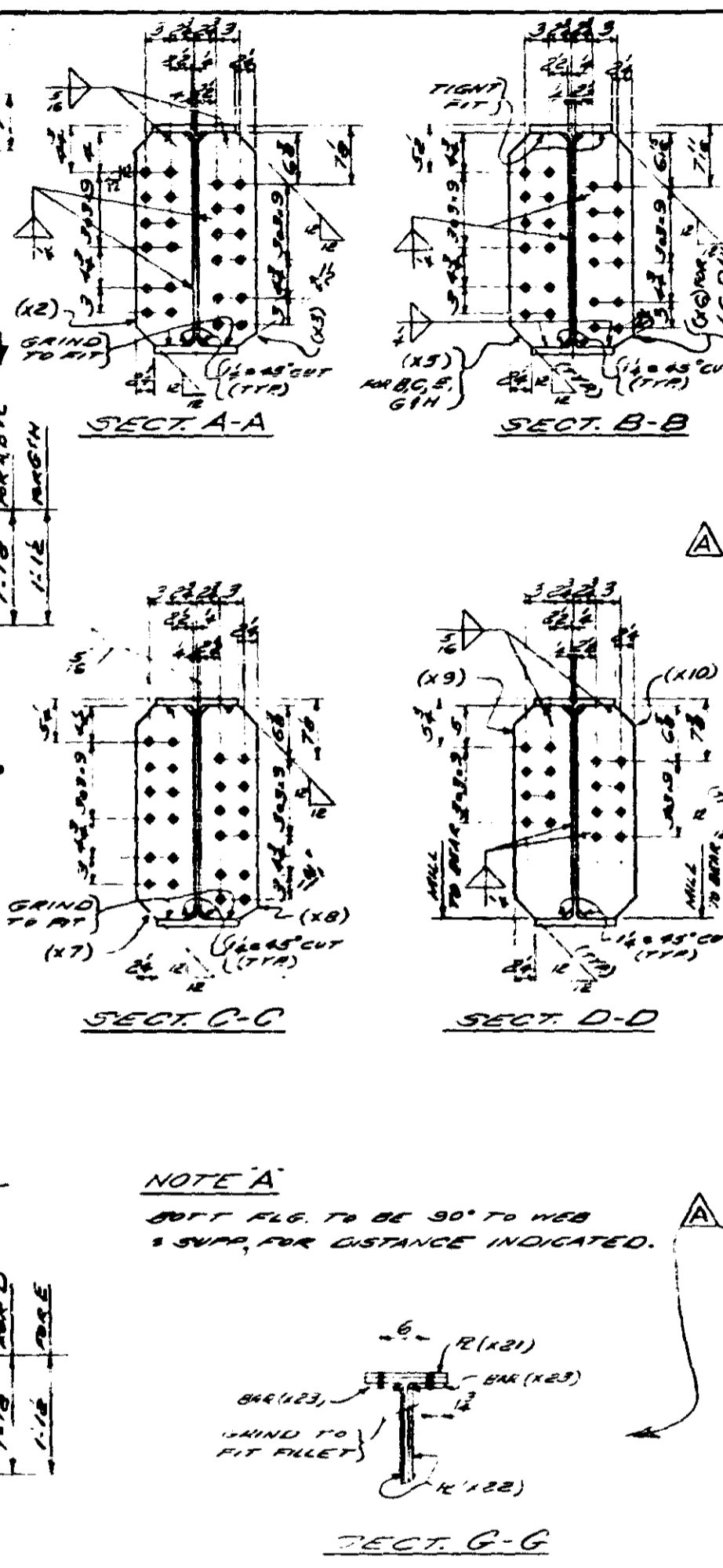
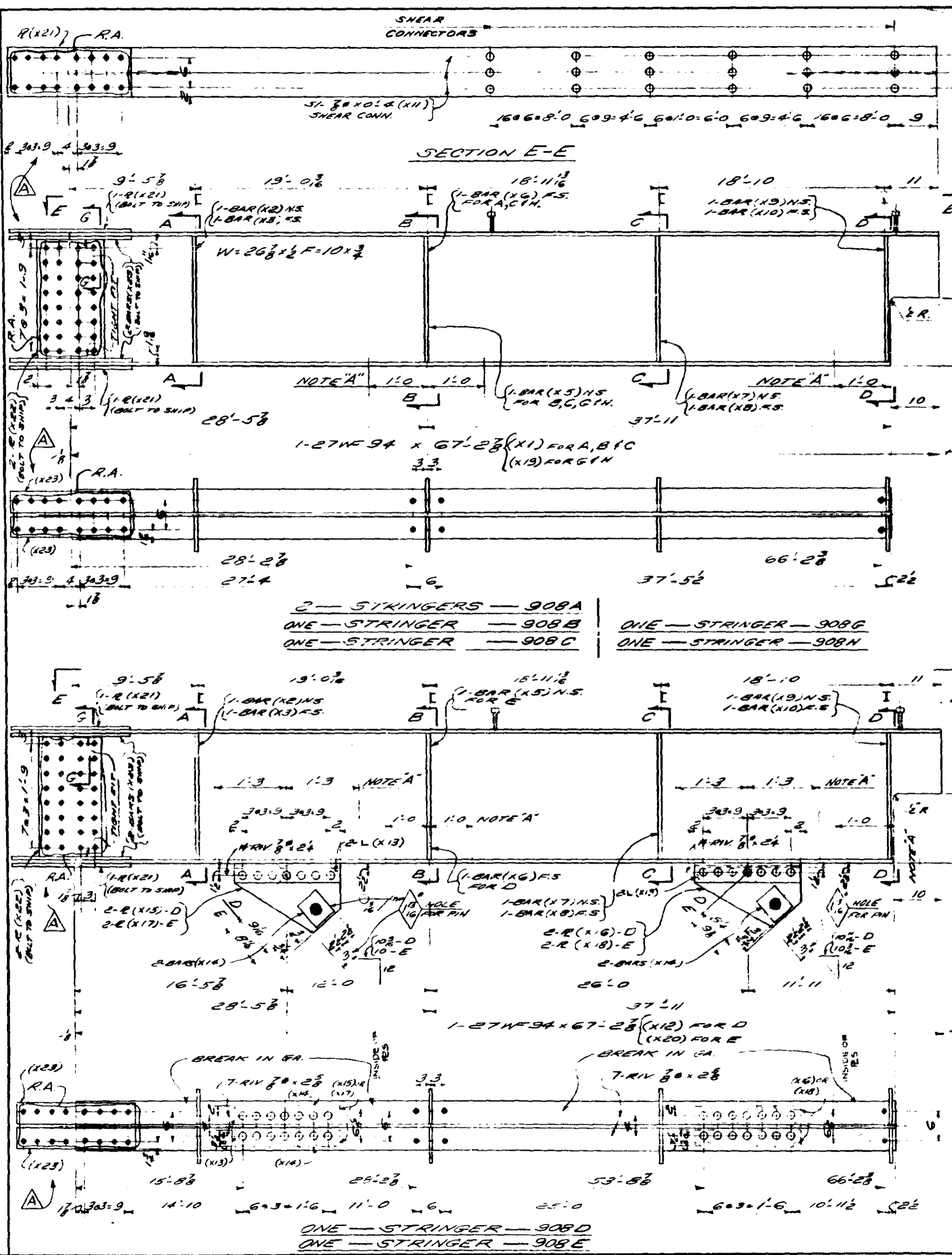
SHOP NOTE:  
 FOR GEN NOTES SEE GNI  
 FOR MATL SPECS. SEE BILL OF MATL FOR INSPECTION OF WELDS SEE NOTE ON SHT GNI  
 MINN. PROJ. NO. IG 35W 3/58) 112  
 STATE PROJ. NO. 2783-9340B (TH 35W:394)

**ALLIED STRUCTURAL STEEL COMPANY**  
 1200 EAST WISCONSIN AVENUE, MINNEAPOLIS, MINN. 55404  
 DETAILS OF BOTTOM CHORD LATERAL DIAGONAL  
 STRUCTURE: BRIDGE NO. 9340  
 LOCATION: MINNEAPOLIS, MINNESOTA  
 OWNER: MINNESOTA STATE HWY DEPT.  
 CUSTOMER: MINNESOTA STATE HWY DEPT.  
 CONTRACT 3142 FABCOD 264 SHEET 906

HAMMOND FAB

OPEN HOLES	15 11/8	RIVETS & BOLTS	PAINT	YES SEE SHT GNI
REF:	E 10	E 15	REVISIONS	△ △ △ △
DRAWN BY	DATE	CHECKED BY	DATE	





**NOTE A**  
 SOFT FILE TO BE 90° TO WEB  
 & SUPP. FOR DISTANCE INDICATED.

**NOTES**  
 FOR GENERAL NOTES SEE SMT. GN-1.  
 FOR MAT'L. SPECS. SEE BILL OF MAT'L.

ITEM NO.	QTY	SHAPE	LENGTH	PC	REMARKS	ITEM NO.	TOTAL WEIGHT
1							
2	2	STRINGERS			(31' X 68")		
3	1	STRINGER			(31' X 68")		
4	1	STRINGER			(31' X 68")		
5	1	STRINGER			(31' X 68")		
6	1	STRINGER			(31' X 68")		
7	4	27W94	67'2 1/2	X1	FOR A, B, C	53	252.82
8	6	7" BARS	2' 1 1/2	X2			113
9	6	7" BARS	2' 1 1/2	X3			113
10	4	7" BARS	2' 1 1/2	X5	FOR B, C, GIN		75
11	4	7" BARS	2' 1 1/2	X6	FOR A, GIN		75
12	6	7" BARS	2' 1 1/2	X7			113
13	6	7" BARS	2' 1 1/2	X8			113
14	6	7" BARS	2' 1 1/2	X9	M.I.E.		151
15	6	7" BARS	2' 1 1/2	X10	M.I.E.		151
16	9/16"	SHEAR CONN.	0' 4"	X11	FOR A, B, C		771
17	2	27W94	67'2 1/2	X12	FOR D		1241
18	12	2" M.L.D.	2' 2"	X21	U.M.		387
19	12	2" M.L.D.	2' 2"	X22	U.M.		387
20	24	2" M.L.D.	2' 2"	X23	U.M.	59	488
21	20	S.B.					N.C.
22	6	2" M.L.D.	2' 2"				N.C.
23	6	2" M.L.D.	2' 2"				N.C.
24							
25							
26	1	27W94	67'2 1/2	X13	FOR D	53	632.1
27	1	27W94	67'2 1/2	X14	FOR D	53	632.1
28	2	BARS					38
29	2	BARS					38
30	1	BAR					19
31	1	BAR					19
32	2	BARS					38
33	2	BARS					38
34	2	BARS					38
35	2	BARS					50
36	2	BARS					50
37	8	2" M.L.D.	1' 10"				133
38	8	2" M.L.D.	1' 10"				133
39	2	2" M.L.D.	1' 10"				60
40	2	2" M.L.D.	1' 10"				60
41	2	2" M.L.D.	1' 10"				60
42	2	2" M.L.D.	1' 10"				60
43	30	SHEAR CONN.	0' 4"	X11	FOR A, B, C		257
44	1	27W94	67'2 1/2	X15	FOR E	53	632.1
45	4	2" M.L.D.	2' 2"				129
46	4	2" M.L.D.	2' 2"				129
47	8	BARS				59	149
48	20	S.B.					N.C.
49							
50	2	2" M.L.D.	2' 2"				N.C.
51	2	2" M.L.D.	2' 2"				N.C.
52	2	2" M.L.D.	2' 2"				N.C.
53	12	7/8" RIV.					
54							
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**ALLIED STRUCTURAL STEEL COMPANY**  
 1215 15TH STREET S.W. MINNEAPOLIS, MINN. 55403

MINN. PROJ. NO. 11335W-350/112  
 STATE PROJ. NO. 2783 9340B (11335W-334)

DIVISION # 3  
 HAMMOND FAB.

DETAILS OF STRINGERS - AT U3 TO U4  
 STRUCTURE BRIDGE - A 3340

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

CONTRACT 3142 FABCOD 274 SHEET 908

OPEN HOLES 2" U.M.	RIVETS 7/8"	PAINT NO. GN-1
DATE 1-31-66	CHECKED BY N.L.K.	DATE 1-10-66
REVISIONS	ADDED 2-1-66	3-2-66



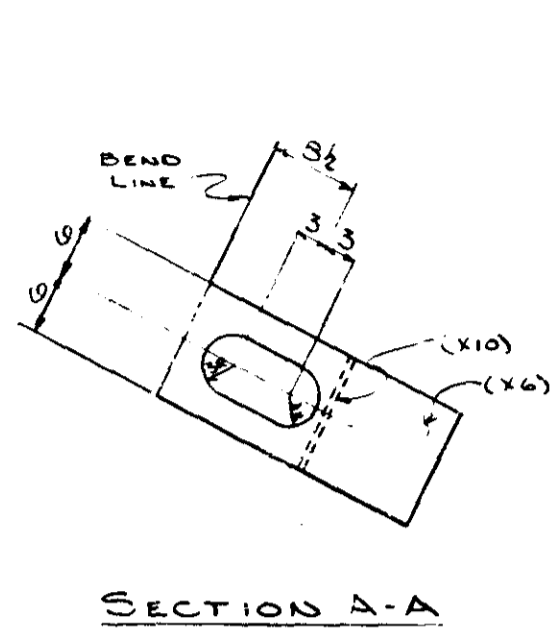




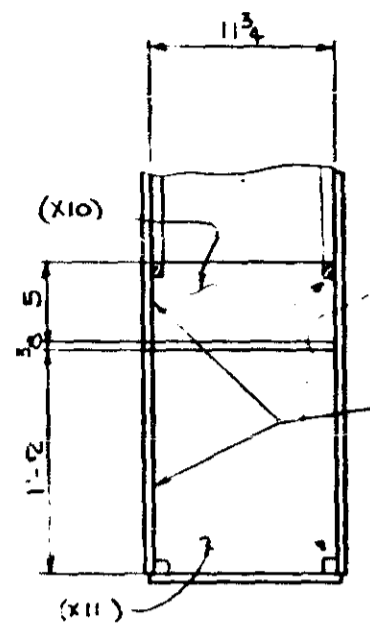






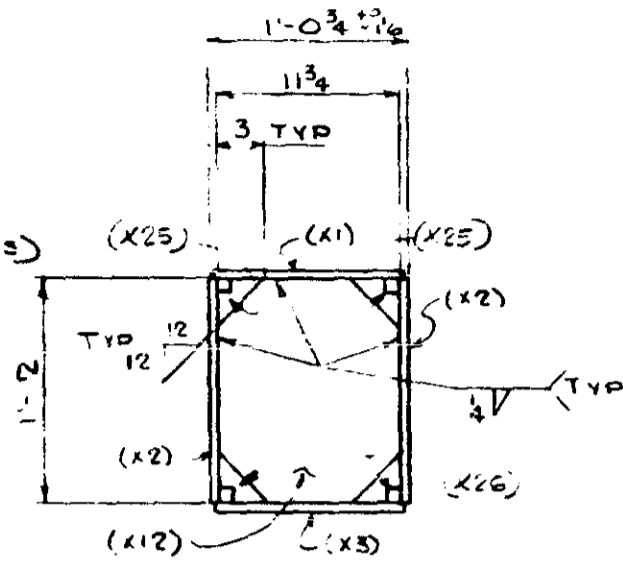


SECTION A-A

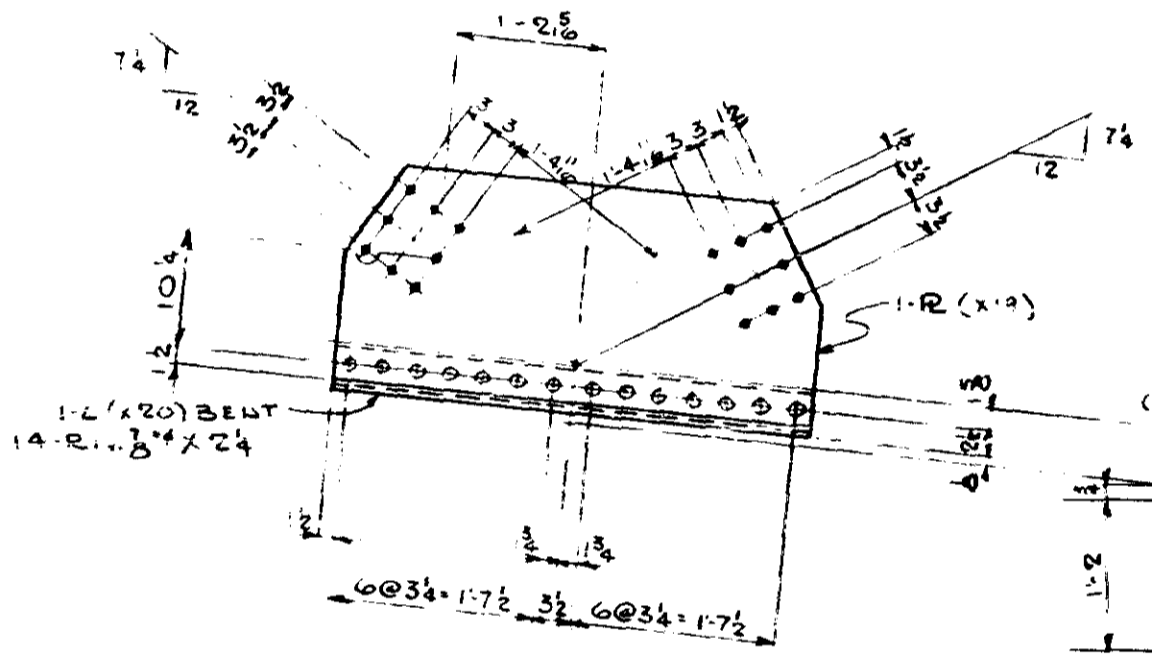


SECTION B-B

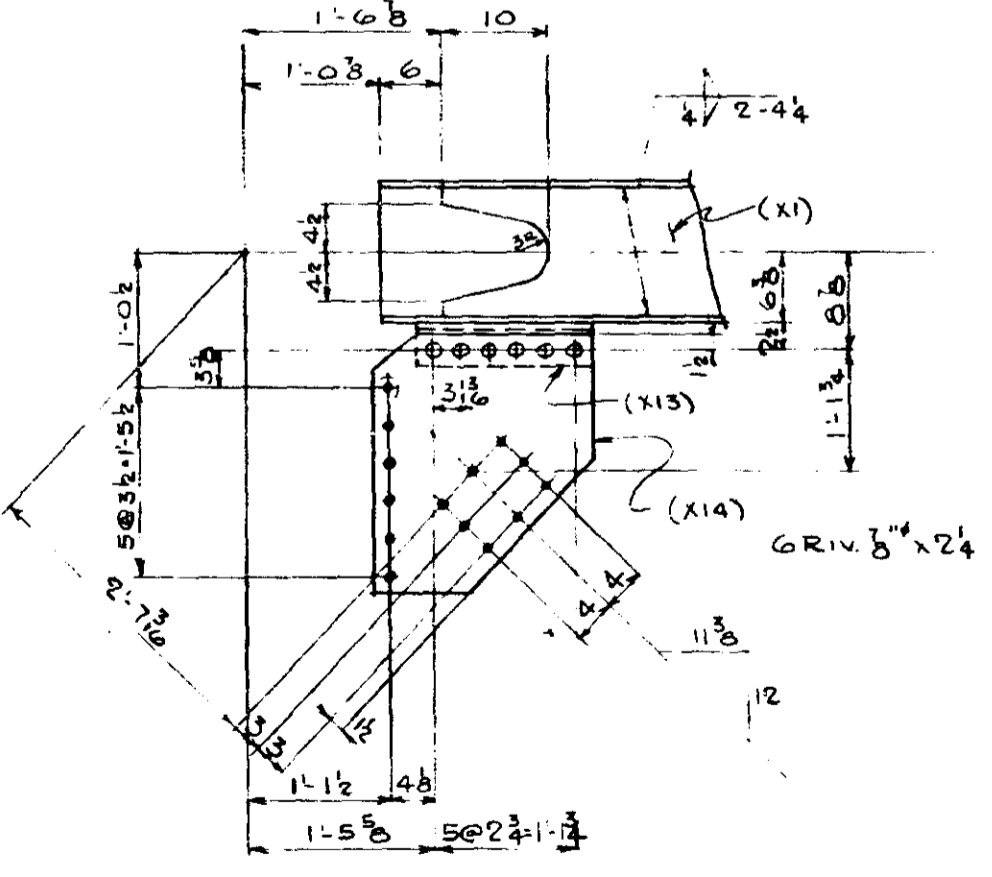
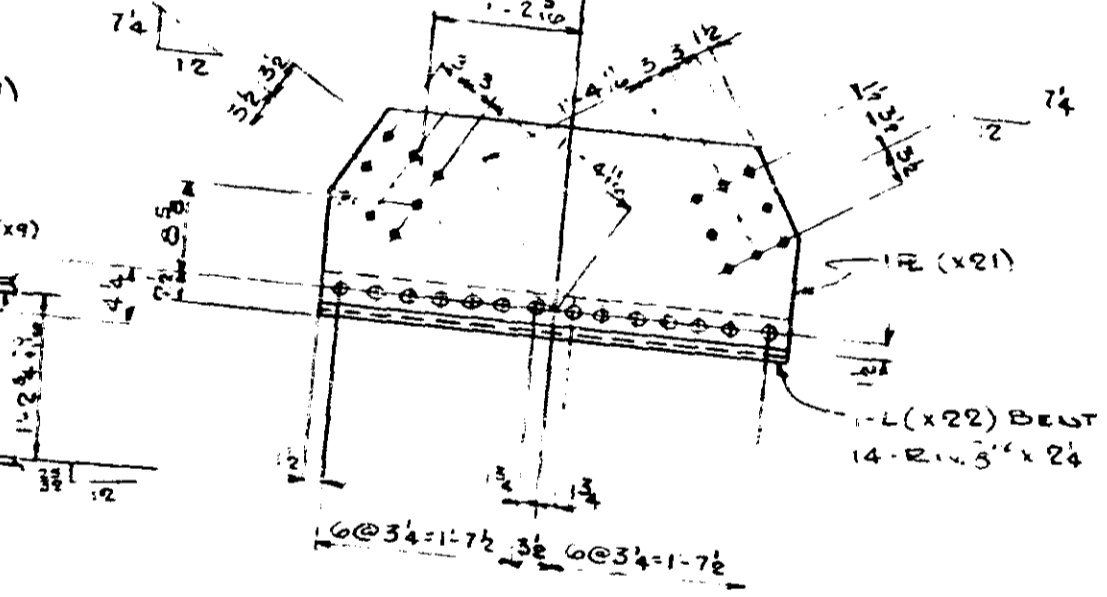
NOTCH & CORNER  
FOR 3/8" B.C. BARS  
& SEAL WELD BARS  
(TYP. @ SEAL DIAPHS)



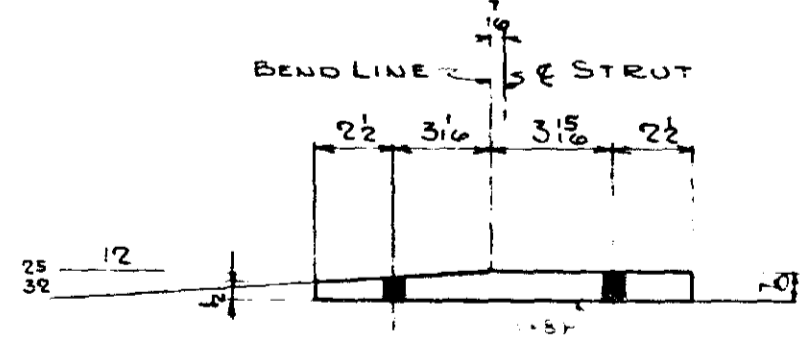
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F

SHOPNOTE:  
FOR GEN. NOTES  
SEE GNI  
FOR MATL. SPECS SEE  
BILL MAT.  
FOR INSPECTION OF WELDS SEE SHT GNI  
MINN PROJ. NO. I-IG35W-35B(1)2  
STATE PROJ. NO. 2783-9340B  
(TH35W-394)

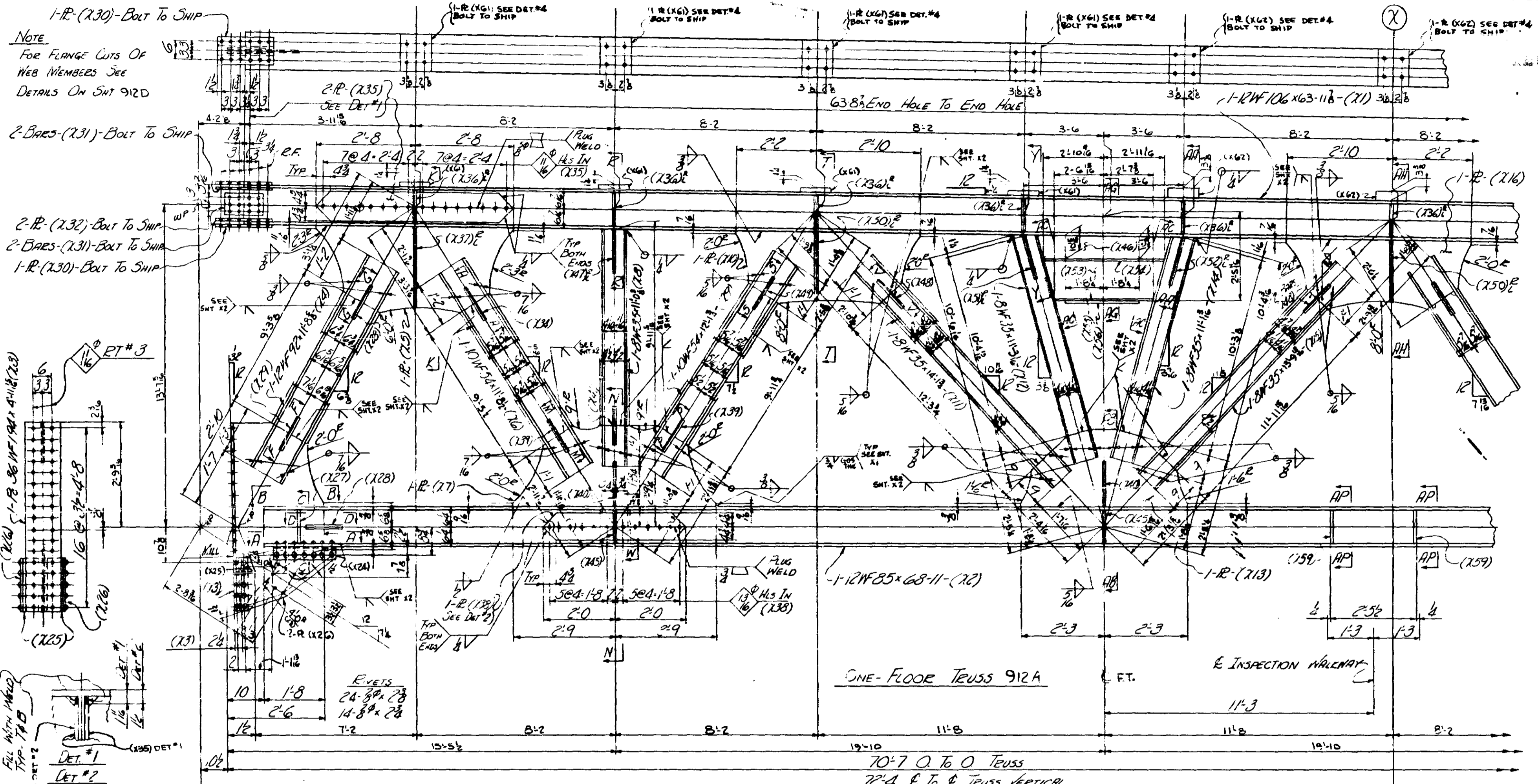
NO.	QTY	SHIP NO.	NO.	SHAPE	LENGTH	PC NO.	REMARKS	ITEM NO.	TOTAL WEIGHT	NET WEIGHT
1										
2										
3										
4	911A	DNE		BOTTOM STRUT	28 X 70	0				
5	1			R 12 X 3/8	69 2 1/2	X11		2104	59	1059
6	2			R 14 X 3/8	62 8 1/2	X12		2102		2989
7	1			R 12 X 3/8	70 2 1/2	X13		2101		1079
8	2			R 26 3/8 X 3/8	3 9	X14		2103		336
9	2			R 26 3/8 X 3/8	3 9	X15		2103		336
10	2			R 12 X 3/8	3 6	X16		2105		107
11	2			R 21 1/2 X 3/8	1 10 1/2	X17	BENT	2112		102
12	2			R 12 X 3/8	1 3	X18	BEVELED	2112		89
13	1			R 20 1/2 X 3/8	3 9 1/2	X19		2110		100
14	2			R 5 X 3/8	0 11 1/2	X10		2106		3
15	2			R 11 3/8 X 3/8	1 2	X11		2116		35
16	6			R 11 3/8 X 3/8	1 2	X12		2116		105
17	2			L 4 X 4 X 3/8	1 4 1/2	X13		2114		27
18	2			R 21 1/2 X 3/8	2 0 1/2	X14		2113		58
19	2			R 9 X 3/8	1 0	X15		2115		23
20				R 7 X 3/8	2 1	X16		2114		19
21	1			R 17 1/2 X 3/8	3 7 1/2	X17	BENT	2110		91
22	1			R 3 X 3/8	3 7 1/2	X18		2116		14
23	1			R 14 X 3/8	3 9 1/2	X19		2107		90
24	1			L 4 X 4 X 3/8	3 9 1/2	X20	BENT	2109		37
25	1			R 18 X 3/8	3 9 1/2	X21		2108		27
26	1			L 4 X 4 X 3/8	3 9 1/2	X22	BENT	2109	59	37
27										
28										
29	4			3/8" RIV						12
30	1			F.W. 4	3	0				12
31										
32										
33										
34	2			BAR 3/8 X 3/8	1 3	X23			59	1
35	2			BAR 3/8 X 3/8	1 3	X24				2
36	2			BAR 3/8 X 3/8	1 3	X25				2
37	2			BAR 3/8 X 3/8	1 3	X26				27
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**ALLIED STRUCTURAL STEEL COMPANY**  
 1500 WEST STREET, HAMMOND, INDIANA 46320

DETAILS OF **BOTTOM STRUT @ L3**  
 STRUCTURE: **BRIDGE #9340**  
 LOCATION: **MINNEAPOLIS, MINNESOTA**  
 OWNER: **MINNESOTA STATE HWY. DEPT.**  
 CUSTOMER: **MINNESOTA STATE HWY. DEPT.**

HAMMOND FAB  
 OPEN HOLES: 15" 10" RIVETS & BOLTS: 7" 11" PAINT: YES SEE SHT GNI  
 DRAWN BY: *MCA* DATE: 2-8-66 CHECKED BY: *H.M.H.* DATE: 3-23-66  
 REVISIONS: *A* 1/24/66 *B* *C* *D* *E*

CONTRACT: **3142** FABCOD: **264** SHEET: **911B**



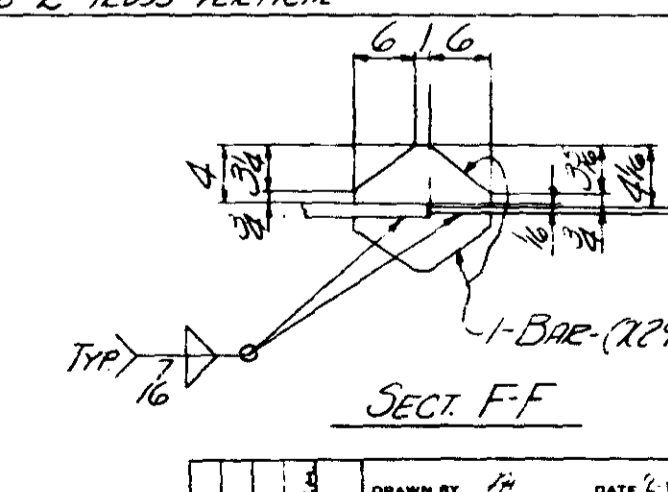
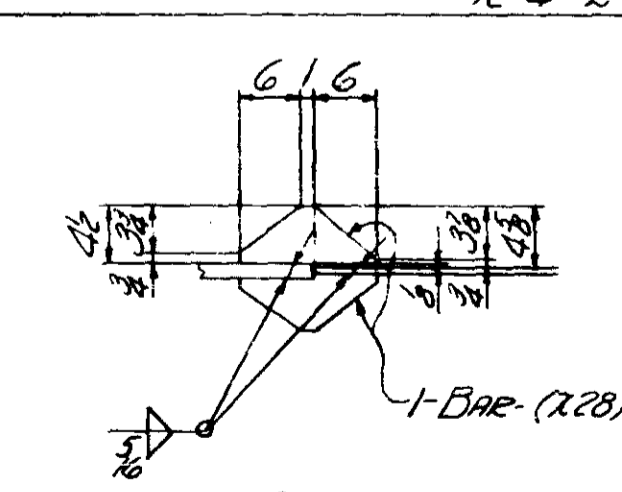
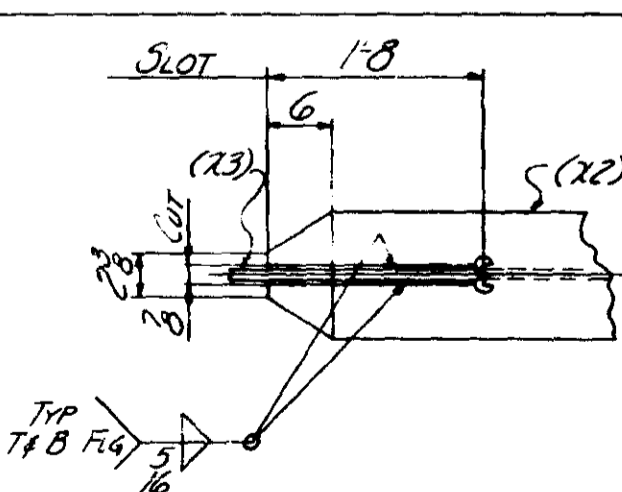
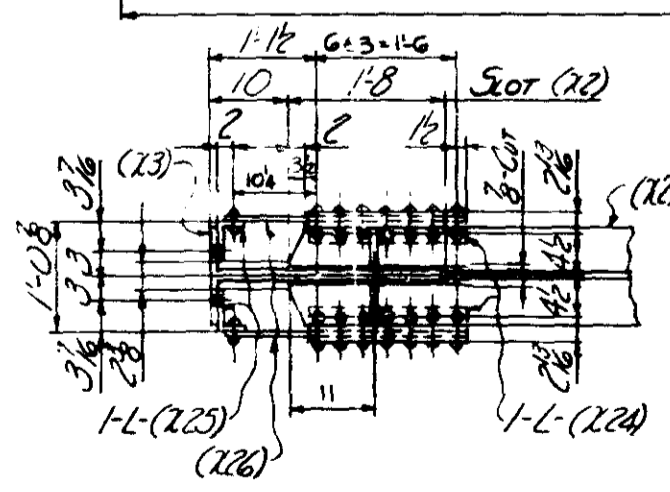
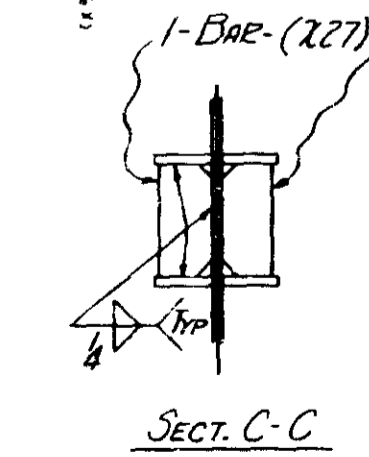
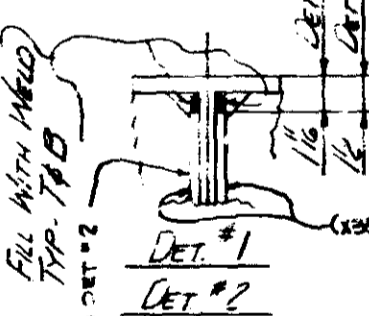
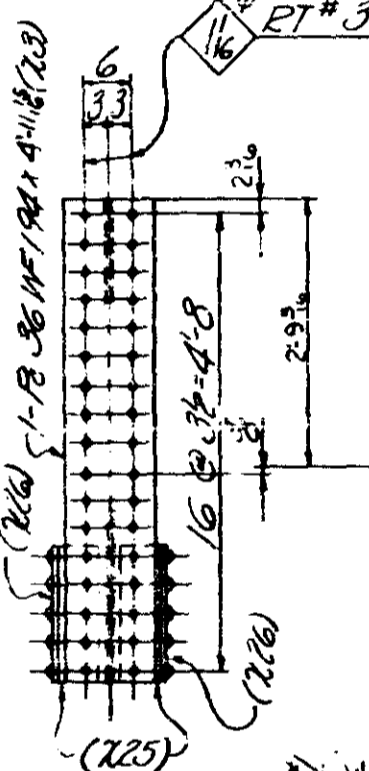
NOTE  
FOR FLANGE CUTS OF  
WEB MEMBERS SEE  
DETAILS ON SHIT 912D

2-BARS (X31)-BOLT TO SHIP

2-R (X32)-BOLT TO SHIP

2-BARS (X31)-BOLT TO SHIP

1-R (X30)-BOLT TO SHIP



SECT. A-A  
SECT. AN-AN (Opp. Hd.)

SECT. B-B  
SECT. BM-BM (Opp. Hd.)

SECT. D-D

SECT. F-F

ONE-FLOOR TRUSS 912A  
70'-7" O. To O. TRUSS  
72'-4" E. To E. TRUSS VERTICAL  
11'-3" & INSPECTION WALKWAY

(X) MATCH LINE

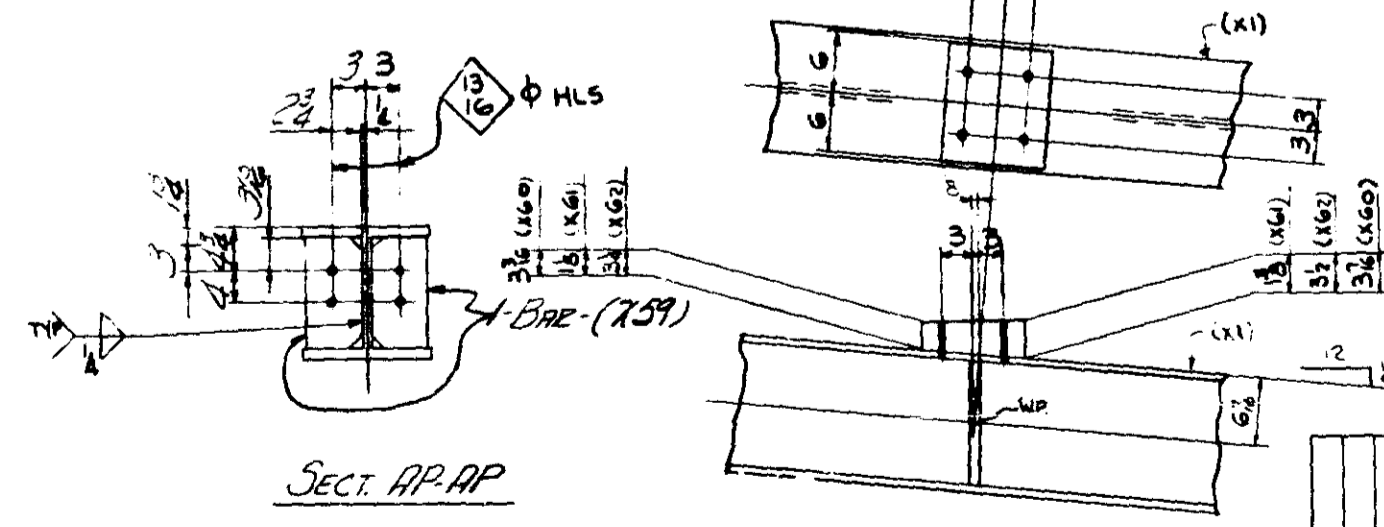
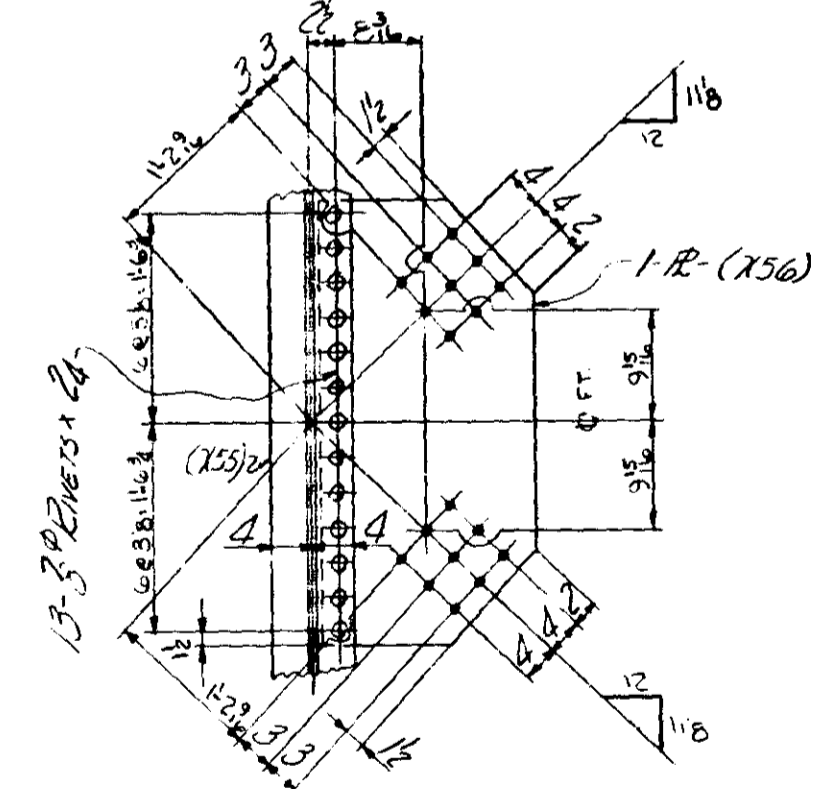
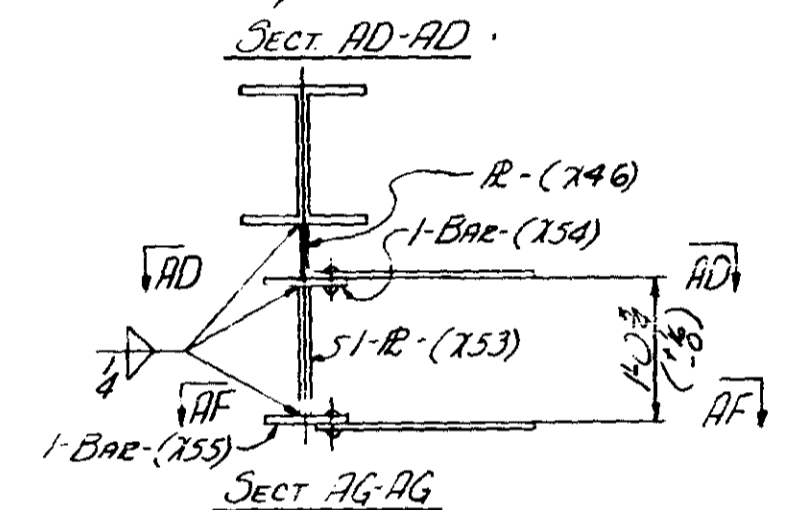
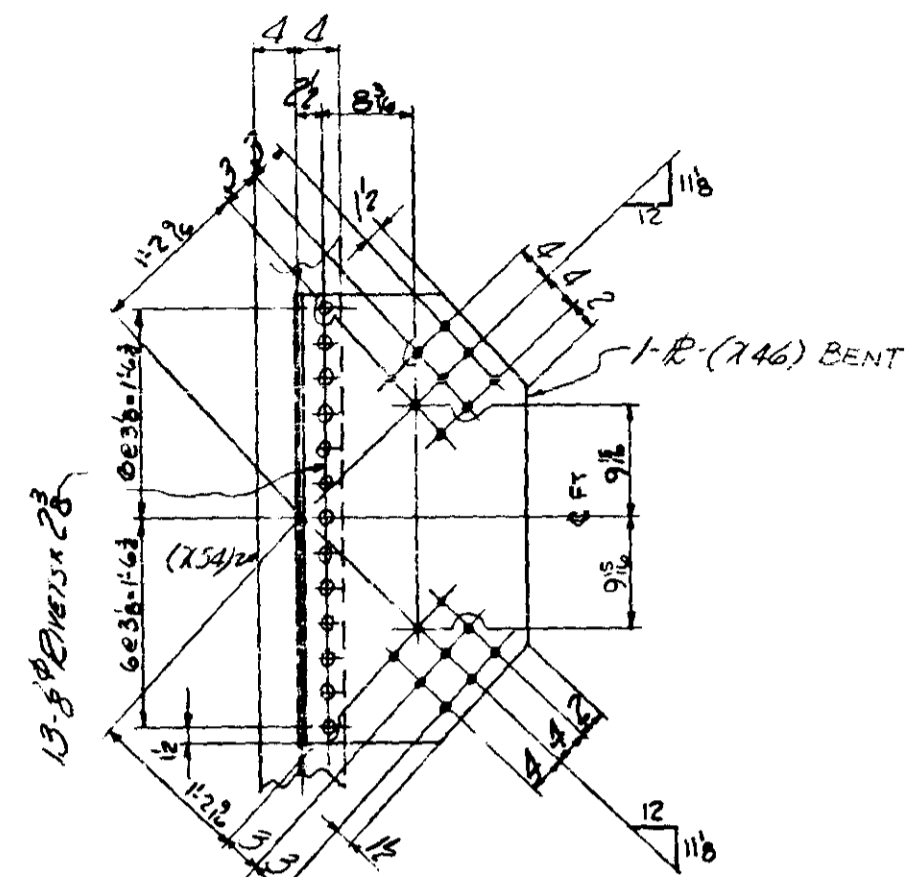
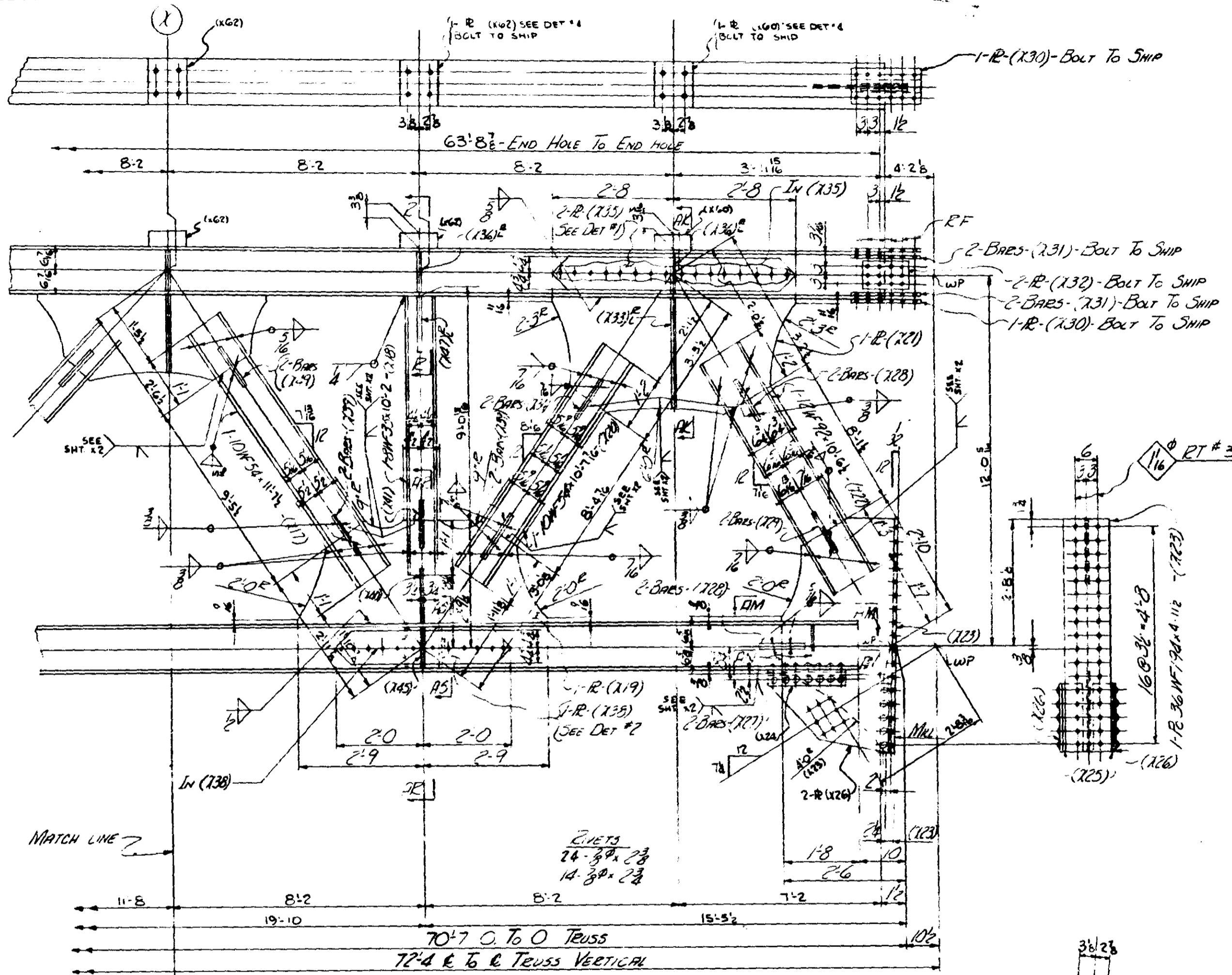
MINN. PROJ. No. I-IG 35W-3(58)112  
STATE PROJ. No. 2783-9340B (TH35W=394)

**ALLIED** STRUCTURAL STEEL COMPANY  
ENGINEERS FABRICATORS ERECTORS  
1745 THIRD STREET, INDIANAPOLIS, INDIANA 46202

REVISIONS	DATE	BY

DRAWN BY: <i>JA</i>	DATE: <i>11/10/50</i>	DETAILS OF: <i>FLOOR TRUSS @ I-35</i>
CHECKED BY: <i>H.M.L.F.</i>	DATE: <i>11/10/50</i>	STRUCTURE: <i>BRIDGE No. 9340</i>
IN CHARGE OF: <i>NEWELL</i>		LOCATION: <i>MINNEAPOLIS, MINN.</i>
FAB. PLANT: <i>UNION</i>		OWNER: <i>MINN. STATE HWY. DEPT.</i>
REFERENCE DWGS. <i>E.I.C.</i>		

CONTRACT 3142 Div. 9 FABCOD 244 SHEET 912 AD



MATCH LINE

11'-8" 8'-2" 8'-2" 15'-5 1/2" 10'-6"

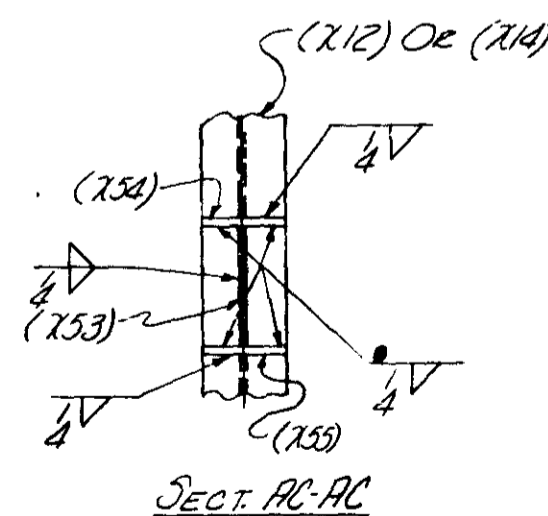
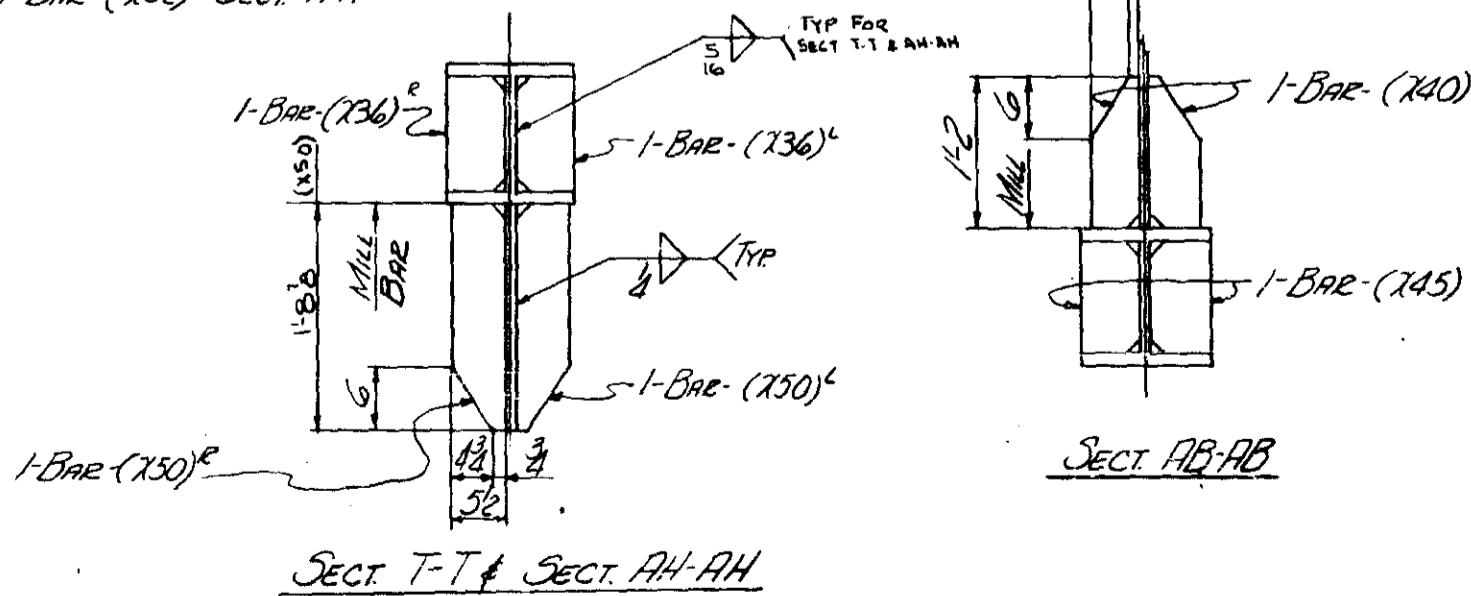
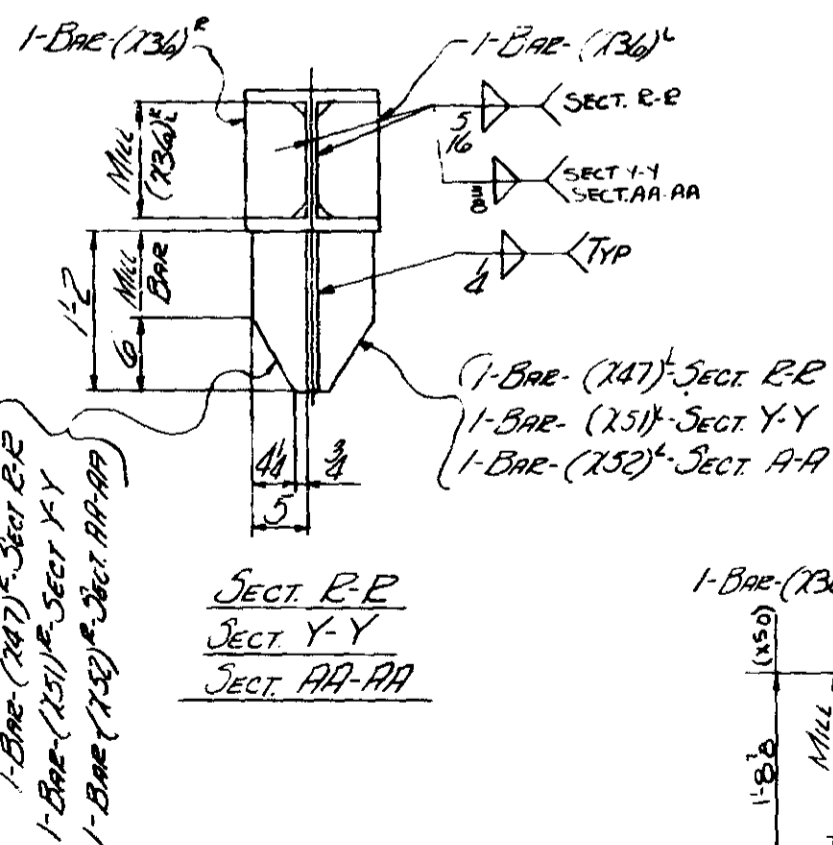
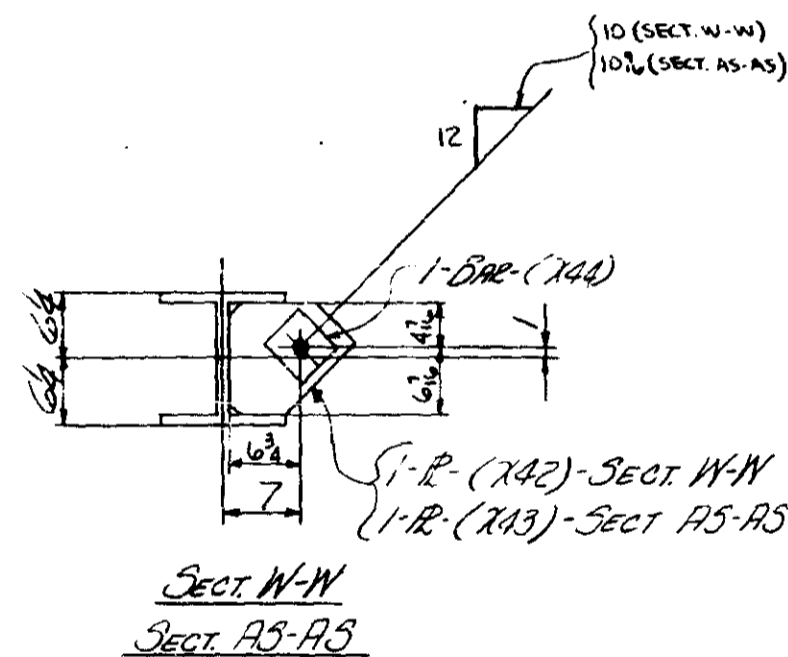
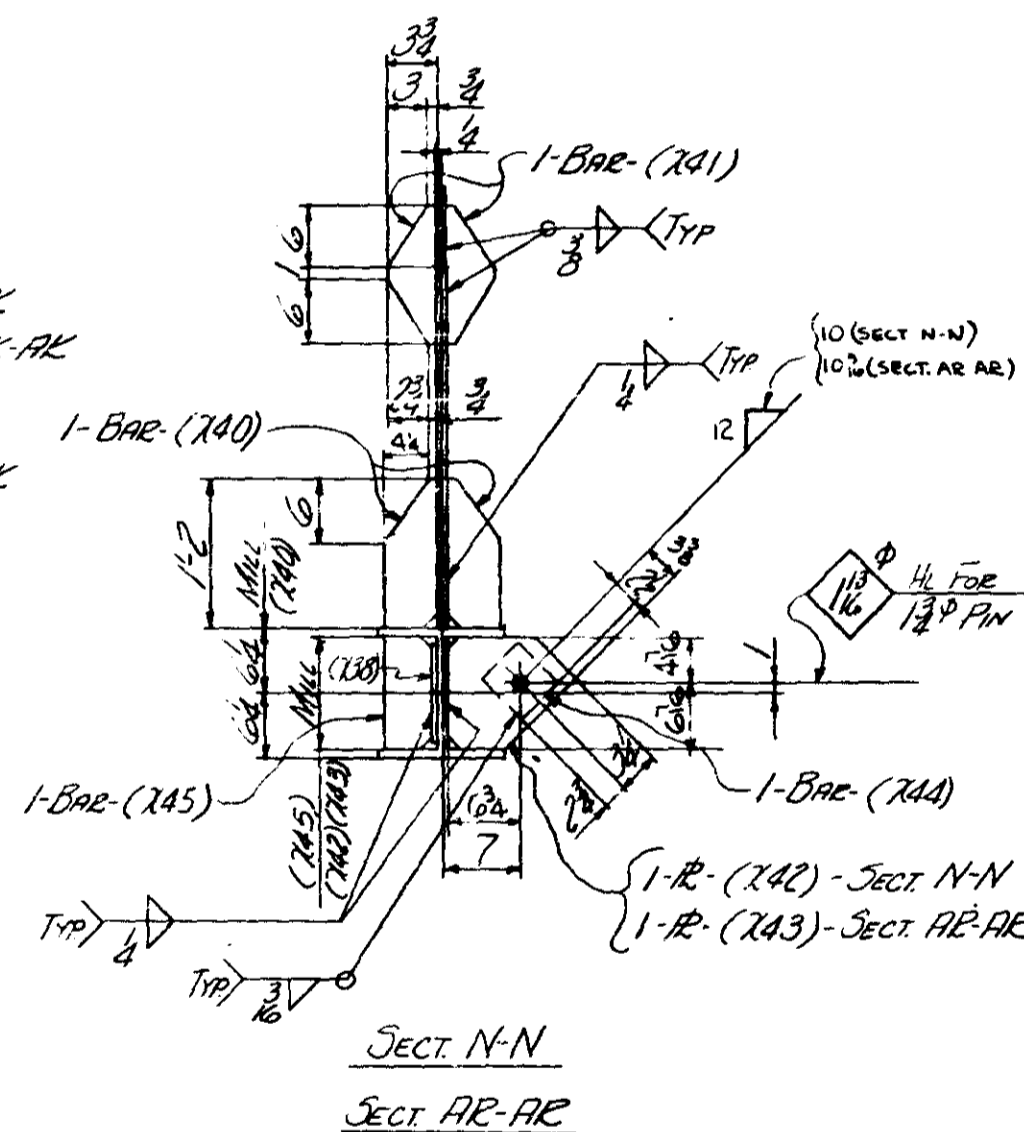
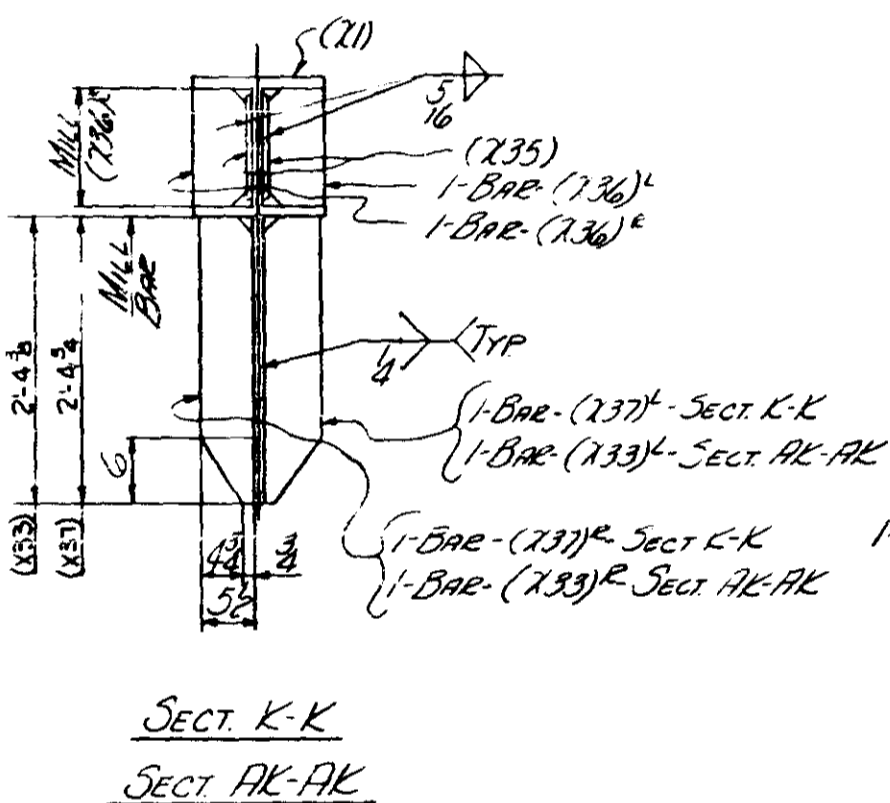
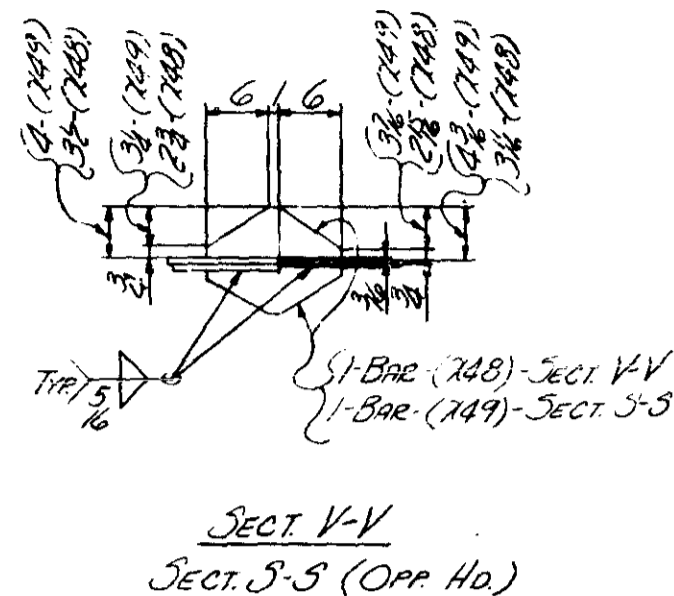
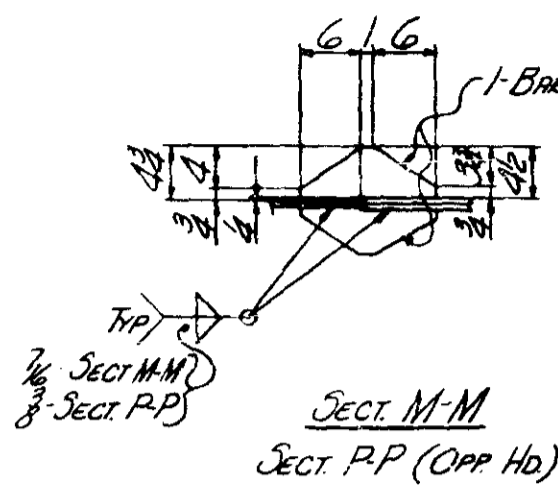
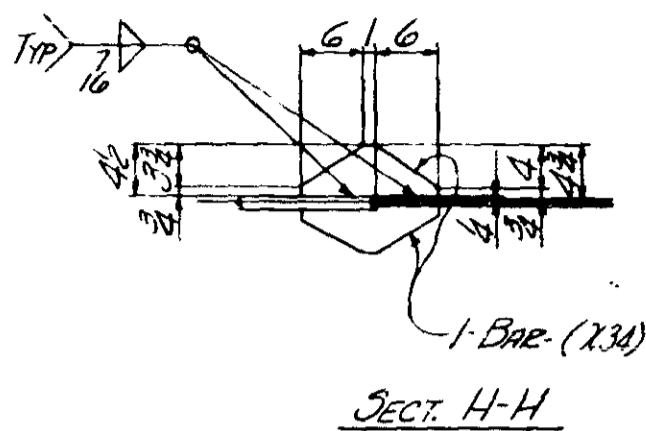
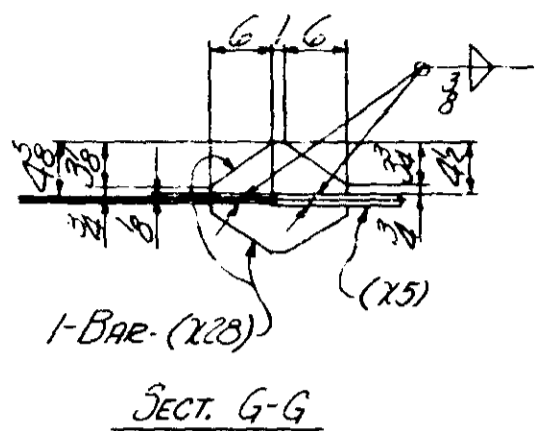
70' 7" O. TO O TRUSS  
72' 4" R. TO R TRUSS VERTICAL

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

**ALLIED** STRUCTURAL STEEL COMPANY  
ENGINEERS FABRICATORS Erectors  
1225 16TH STREET, HANNOY, INDIANA 46220

DRAWN BY: <u>PA</u> DATE: <u>2-22-66</u>		DETAILS OF: <u>FLOOR TRUSS @ U3</u>	
CHECKED BY: <u>H.M.H.</u> DATE: <u>2-22-66</u>		STRUCTURE: <u>BRIDGE No. 9340</u>	
IN CHARGE OF: <u>L. NEWELL</u>		LOCATION: <u>MINNEAPOLIS, MINN.</u>	
FAB. PLANT: <u>CLINTON</u>		OWNER: <u>MINN. STATE HWY. DEPT.</u>	
REFERENCE DWGS: <u>E10</u>		CONTRACT: <u>3142</u>	
REVISIONS:		DIV. 9	
A 10-27-66		FAB. CODE: <u>244</u>	
B 10-27-66		SHEET: <u>912</u>	
C 10-27-66		BY: <u>BD</u>	





LINE	SHIP NO.	NO. REQ.	SHAPE	LENGTH	PC. MK.	REMARKS	ITEM NO.	BID ITEM	TOTAL WEIGHT	M. & S. SPEC.
1	192A	ONE	FLOOR TRUSS							
6		1	12WF106	63 11/8	71	SEE FIG. NO. 1 FOR CONNECTION	5104	59	3306	
7		1	12WF106	28 0	0				2968	
8		2	12WF65	17 11/8	72				2339	
9		1	12WF85	63 11/8	72	SEE FIG. NO. 1 FOR CONNECTION	5102	59	3306	
10		1	12WF85	45 8	72				3882	
11		2	12WF65	11 7/8	72				1511	
12		1	R 36WF194	4 11/8	73		5123	59	969	3306
13		1	12WF92	11 8 3/4	74		5107		1078	
14		1	R 30x8	5 4 2/5	75		5202		476	
15		1	10WF54	11 8 3/4	76		5109		632	
16		1	R 27x8	5 6 7/8	77		5203		442	
17		1	8WF35	11 0 3/8	78		5109		386	
18		1	10WF54	12 1 3/4	79		5110		656	
19		1	R 27x8	5 0 7/10	79		5204		281	
20		1	8WF35	16 1 3/8	79		5111		495	
21		1	8WF35	11 3/4	79		5112		394	
22		1	R 23x8	4 6 2/3	79		5205		174	
23		1	8WF35	11 1 3/8	79		5112		388	
24		1	8WF35	13 9 3/8	79		5113		484	
25		1	R 27x8	5 0 7/10	79		5204		281	
26		1	10WF54	11 7 3/4	79		5114		628	
27		1	8WF35	10 2 1/8	79		5115		356	
28		1	R 27x8	5 6 7/8	79		5203		442	
29		1	10WF54	10 7 1/4	79		5116		573	
30		1	R 30x8	5 4 2/5	79		5202		476	
31		1	12WF92	10 6 3/4	79		5117		470	
32		1	R 36WF194	4 11 3/8	79		5123		962	
33		4	L 4x8x3/8	1 9 7/8	79		5224		69	
34		4	L 5x8x3/8	1 5 3/8	79		5223		61	
35		4	R 19x8x2	2 7 3/4	79		5222		339	
36		4	BAR 5/8x3/8	0 10 3/4	79		5210	59	25	3306
37		8	BAR 4 3/8x3/8	1 11 1/8	79	SEE FIG. NO. 1 FOR CONNECTION	5210			
38		1	BAR 4 3/8x3/8	6 1	79	SEE FIG. NO. 1 FOR CONNECTION	5210	59	72	3306
39		4	BAR 4 1/2x3/8	1 1 1/8	79	SEE FIG. NO. 1 FOR CONNECTION	5211			
40		1	BAR 4 1/2x3/8	3 3 3/4	79	SEE FIG. NO. 1 FOR CONNECTION	5211	59	23	3306
41		4	R 10x8	1 6 3/4	79	SEE FIG. NO. 1 FOR CONNECTION	5200	59	103	3306
42		8	BAR 4x3/8	1 6 3/4	79	SEE FIG. NO. 1 FOR CONNECTION	5215	59	62	3306
43		4	R 9x8	1 0 3/4	79	SEE FIG. NO. 1 FOR CONNECTION	5206	59	47	3306
44		2	BAR 5/8x3/8	2 4 3/8	79	SEE FIG. NO. 1 FOR CONNECTION	5216			
45		1	BAR 5/8x3/8	4 4	79	SEE FIG. NO. 1 FOR CONNECTION	5216	59	41	3306
46		4	BAR 4 3/8x3/8	1 1 1/8	79	SEE FIG. NO. 1 FOR CONNECTION	5212			
47		1	BAR 4 3/8x3/8	3 2 1/2	79	SEE FIG. NO. 1 FOR CONNECTION	5212	59	45	3306
48		4	R 9x8	5 4 2/5	79	SEE FIG. NO. 1 FOR CONNECTION	5221	59	215	3306
49		10	BAR 5/8x3/8	0 10 3/4	79	SEE FIG. NO. 1 FOR CONNECTION	5219	59	136	3306
50		2	BAR 5/8x3/8	2 4 3/8	79	SEE FIG. NO. 1 FOR CONNECTION	5215			
51		1	BAR 5/8x3/8	4 4 3/8	79	SEE FIG. NO. 1 FOR CONNECTION	5215	59	41	3306
52		2	R 9x8	4 0 1/8	79	SEE FIG. NO. 1 FOR CONNECTION	5220	59	97	3306
53		8	BAR 4 3/8x3/8	1 1 1/8	79	SEE FIG. NO. 1 FOR CONNECTION	5210			
54		1	BAR 4 3/8x3/8	6 1	79	SEE FIG. NO. 1 FOR CONNECTION	5210	59	74	3306
55		6	BAR 5/8x3/8	1 2 3/4	79	SEE FIG. NO. 1 FOR CONNECTION	5214			
56		3	BAR 5/8x3/8	1 1 1/8	79	SEE FIG. NO. 1 FOR CONNECTION	5214	59	49	3306
57		4	BAR 5/8x3/8	1 1 1/8	79	SEE FIG. NO. 1 FOR CONNECTION	5213			
58		1	BAR 5/8x3/8	3 4	79	SEE FIG. NO. 1 FOR CONNECTION	5213	59	16	3306
59		2	R 10x8	0 11 3/8	79	SEE FIG. NO. 1 FOR CONNECTION	5211	59	27	3306
60		2	R 10x8	0 11 3/8	79	SEE FIG. NO. 1 FOR CONNECTION	5211	59	27	3306
61		4	BAR 5/8x3/8	0 2 1/4	79	SEE FIG. NO. 1 FOR CONNECTION	7207	59	10	3306
62		4	BAR 5/8x3/8	0 10 3/4	79	SEE FIG. NO. 1 FOR CONNECTION	5216	59	25	3306
63		1	R 30x8x2	3 14 3/8	79	BENT	7108	59	176	3306
64		4	BAR 5/8x3/8	1 2 3/4	79	SEE FIG. NO. 1 FOR CONNECTION	5214			
65		2	BAR 5/8x3/8	1 1 1/8	79	SEE FIG. NO. 1 FOR CONNECTION	5213	59	33	3306
66		4	BAR 5/8x3/8	1 1 1/8	79	SEE FIG. NO. 1 FOR CONNECTION	5213			
67		1	BAR 5/8x3/8	3 4	79	SEE FIG. NO. 1 FOR CONNECTION	5213	59	16	3306
68		4	BAR 4 3/8x3/8	1 1 1/8	79	SEE FIG. NO. 1 FOR CONNECTION	5211			
69		1	BAR 4 3/8x3/8	3 3 3/4	79	SEE FIG. NO. 1 FOR CONNECTION	5211	59	23	3306
70		4	BAR 5/8x3/8	1 8 3/8	79	SEE FIG. NO. 1 FOR CONNECTION	5215			
71		2	BAR 5/8x3/8	3 1	79	SEE FIG. NO. 1 FOR CONNECTION	5215	59	58	3306

CLINTON FA.

MINN PROJ. NO I-1935W-3(SB)112  
STATE PROJ. NO. 2783-9340B (TH35W-394)

ALLIED STRUCTURAL STEEL COMPANY  
ENGINEERS FABRICATORS ERECTORS  
1000-10TH STREET, HARMON, INDIANA 46220

DETAILS OF FLOOR TRUSS @ U3  
STRUCTURE BRIDGE NO. 8340  
LOCATION MINNEAPOLIS, MINN.  
OWNER MINN. STATE HWY DEPT  
CUSTOMER MINN. STATE HWY DEPT

CONTRACT 3142 FABCOD 214

DRAWN BY: [Signature] DATE: 2-17-66 CHECKED BY: H.M.H. DATE: 2-22-66

REVISIONS	△	△	△	△
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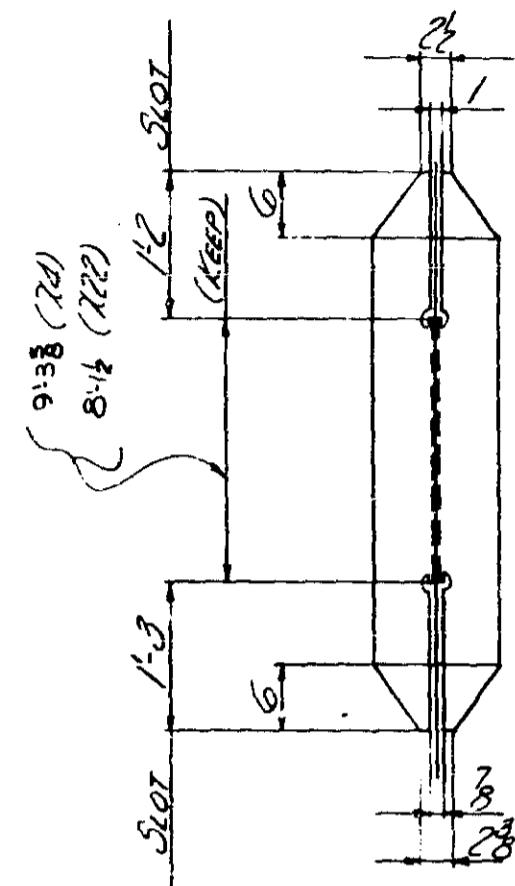
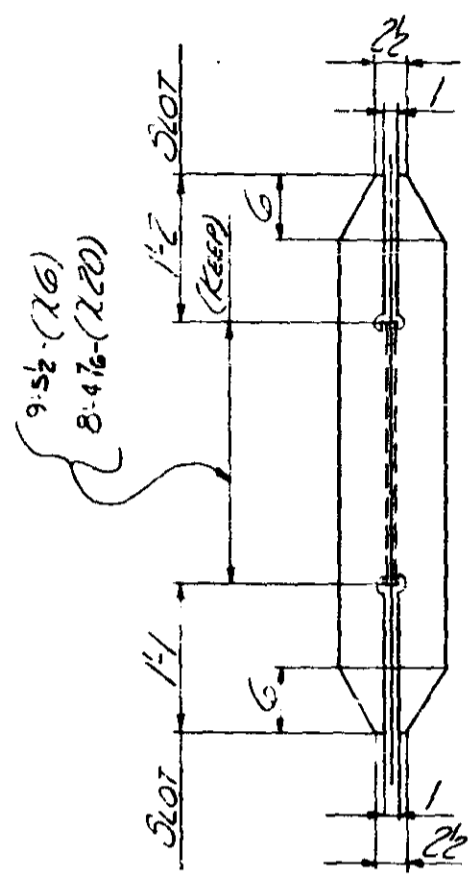


Fig Cut \*  
Foe (214) & (222)



FLG Cut \*  
Foe (216) & (220)

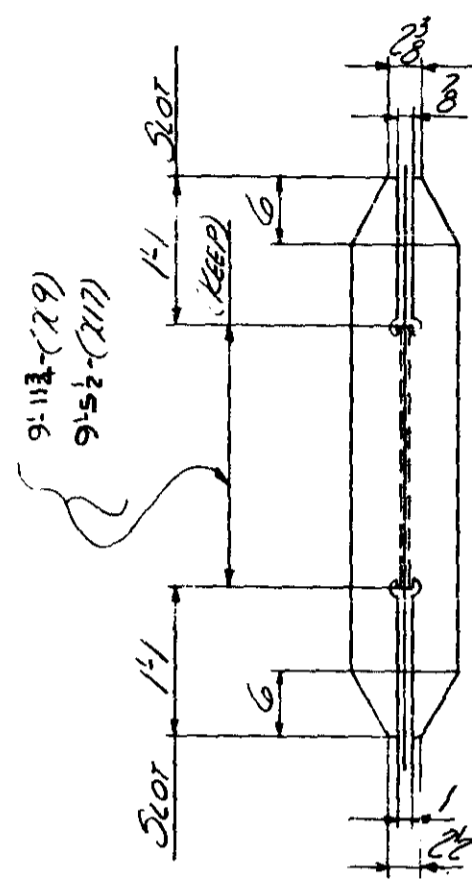
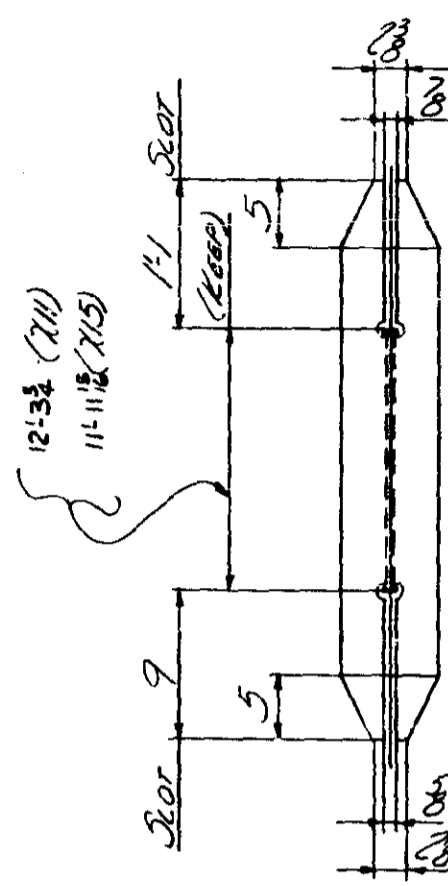


Fig Cut \*  
Foe (219) & (217)



FLG Cut \*  
Foe (211) & (215)

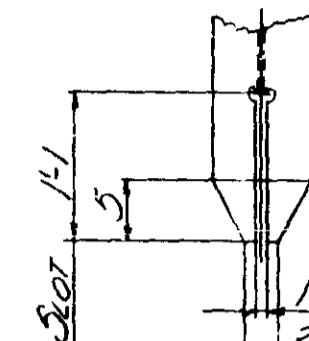
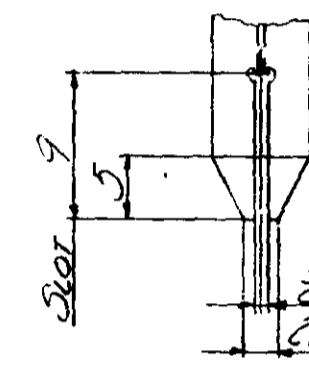
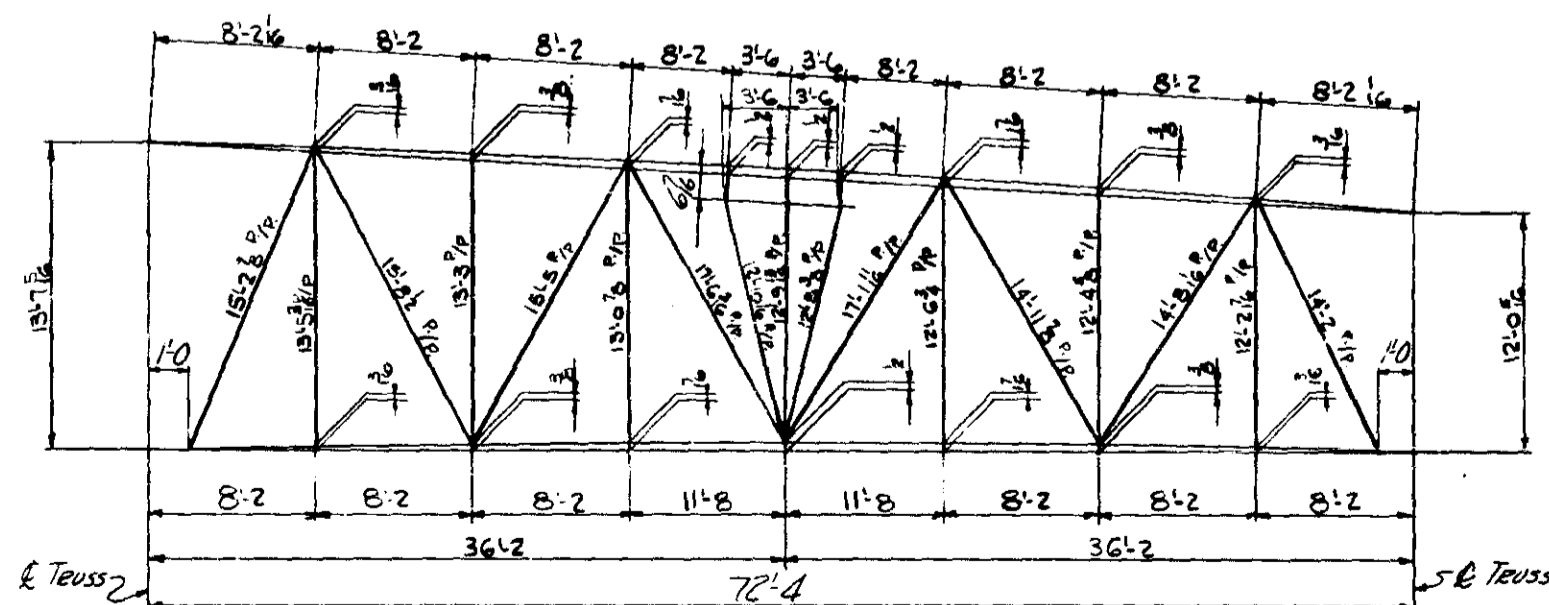


Fig Cut \*  
Foe (218) & (218)



FLG Cut \*  
Foe (212) & (214)

\* SEE SHIT XI FOR BEVEL CUTS FOR WELDING



CAMBER DIAGRAM

SHOP NOTE

FOR GEN NOTES SEE SHIT GNI.  
FOR MATL SPECS SEE BILL OF MATL.  
ALL CLIPPED CORNERS NOT  
DIMENSIONED SHALL BE CUT  
3/8 @ 45°.  
FOR X-RAY IDENTIFICATION NO.  
SEE SHIT W-1  
FOR INSPECTION OF WELDS SEE NOTE  
ON SHIT GNI-1  
FOR WELD SEQUENCE & WELDING OF  
WEB MEMBERS SEE SHITS XI & X2  
MINN. PROJ. NO. I-IG35W-2(58,112)  
STATE PROJ. NO. 2783-73408(TN35W-374)

NO	QTY	SHIP MK	NO	SHAPE	LENGTH	PC	REMARKS	ITEM	NO	WEIGHT	TOTAL	WEIGHT	NO
72	2			BAR 5x2	1 2	157	FOR TRUSS	574					
73	1			BAR 5x2	1 1/2	157	FOR TRUSS	574					
74	2			BAR 5x2	1 2	157	FOR TRUSS	574					
75	1			BAR 5x2	1 1/2	157	FOR TRUSS	574					
76	1			R 12 x 3	5 7/8	153		574	59	89	3306		
77	1			R 8 x 3	5 9/8	154		574	59	59	3306		
78	1			R 8 x 3	5 2/8	155		574	59	53	3306		
79	1			R 12 x 3	3 4/2	156		574	59	83	3306		
80													
81													
82													
83	4			BAR 5/2 x 3/8	0 102	159		574	59	25	3306		
84	1			BAR 10 x 3/16	1 0	160	BEV 1 SIDE	574	59	117	3306		
85	4			BAR 10 x 3/16	1 0	161	BEV 1 SIDE	574	59	187	3306		
86	3			BAR 10 x 3/2	1 0	162	BEV 1 SIDE	574	59	357	3306		
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
101													
102													
103													
104													
105													
106													
107													
108													
109													
110													
111													
112	36			5/8									
113	102			3/8									
114													
115				3/8 WLD	7 2								
116				3/8 WLD	171 0								
117				3/8 WLD	31 0								
118				3/8 WLD	117 0								
119				3/8 WLD	81 0								
120				3/8 WLD	21 0								
121				3/8 WLD	20 10								
122				3/8 WLD	3 10								
123													
124													
125													
126													
127													
128													
129													
130													
131													
132													
133													
134													
135													
136													
137													
138													
139													
140													
141													
142													

**ALLIED** STRUCTURAL STEEL COMPANY  
ENGINEERS FABRICATORS ERECTORS  
1415 14TH STREET MINNEAPOLIS, MINN. 55402

DETAILS OF FLOOR TRUSS @ U3  
STRUCTURE BRIDGE No. 9340  
LOCATION MINNEAPOLIS, MINN.  
OWNER MINN. STATE HWY DEPT.  
CUSTOMER MINN. STATE HWY DEPT.

CLINTON FAB  
OPEN HOLES: 1/2 UN RIVETS & BOLTS 3/8 PAINT YES SEE SHIT GNI  
DRAWN BY: JH. DATE: 2-11-67 CHECKED BY: H.M.L. DATE: 2-22-67

REVISIONS: 1. G.M. 2. 3. 4. 5.

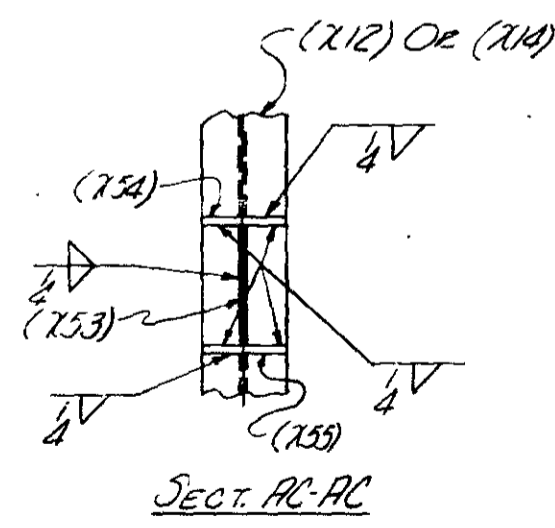
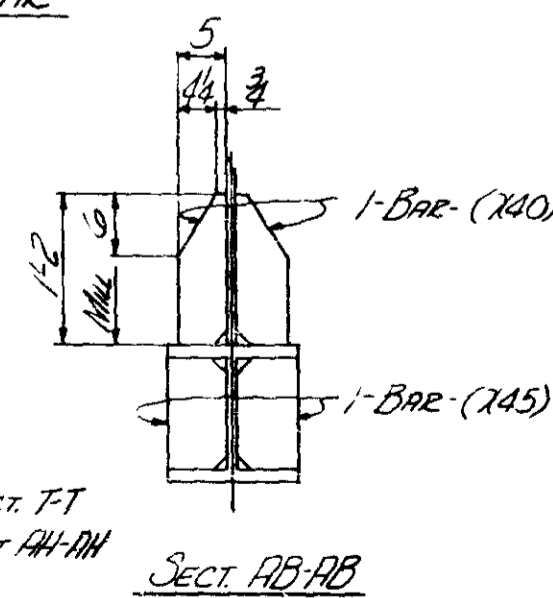
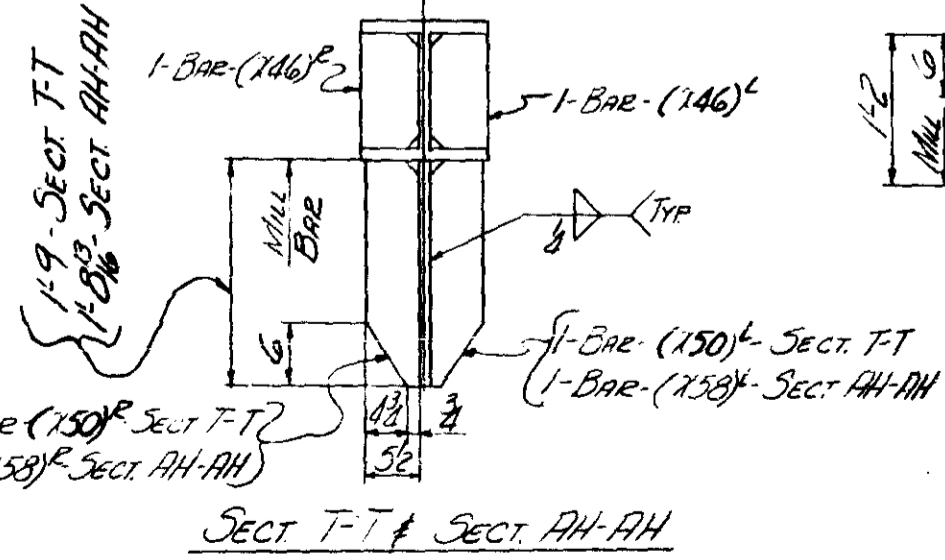
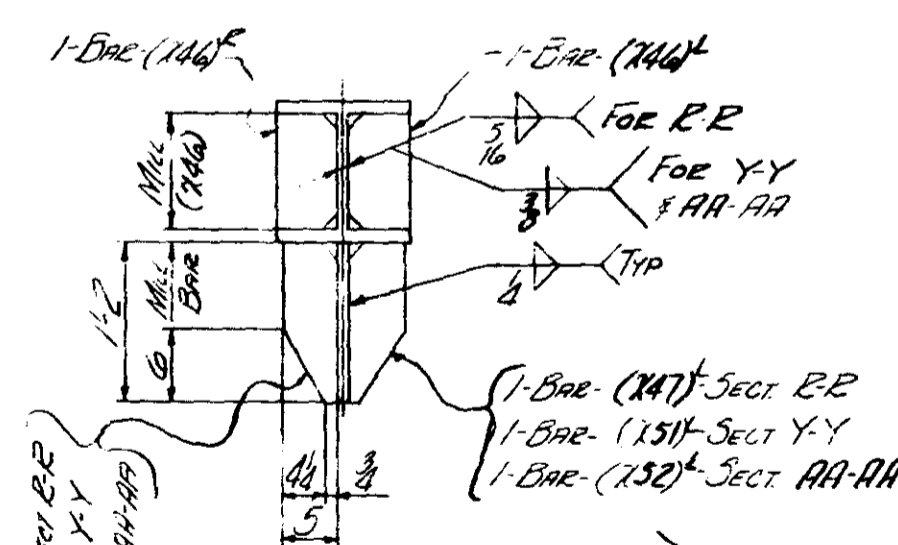
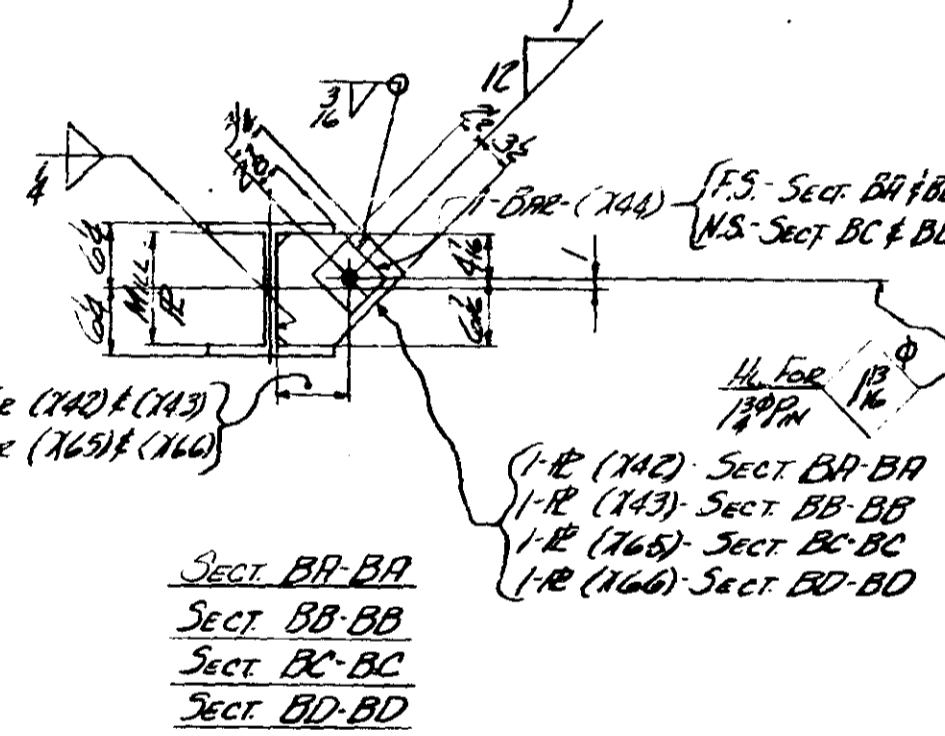
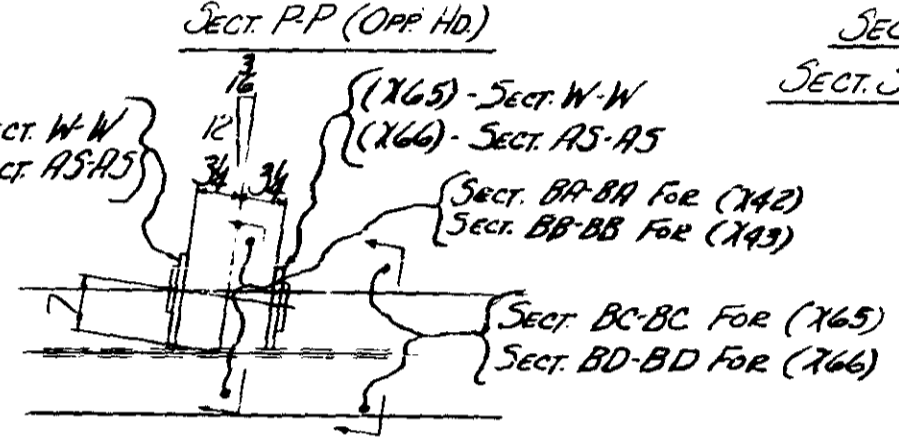
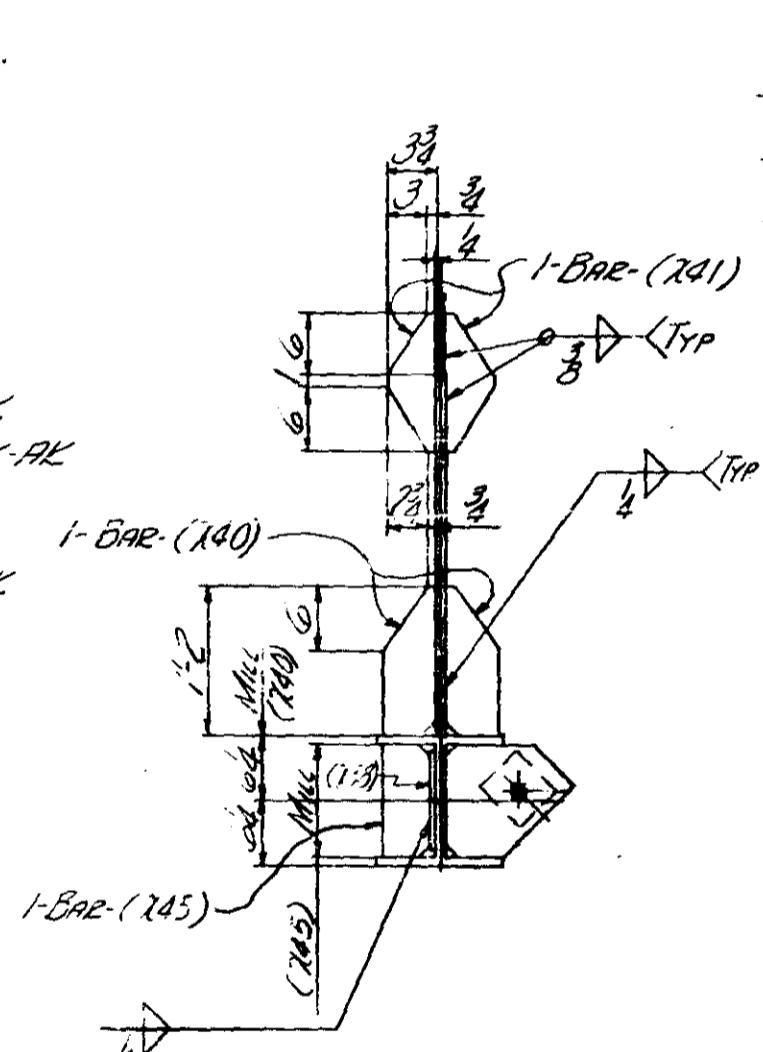
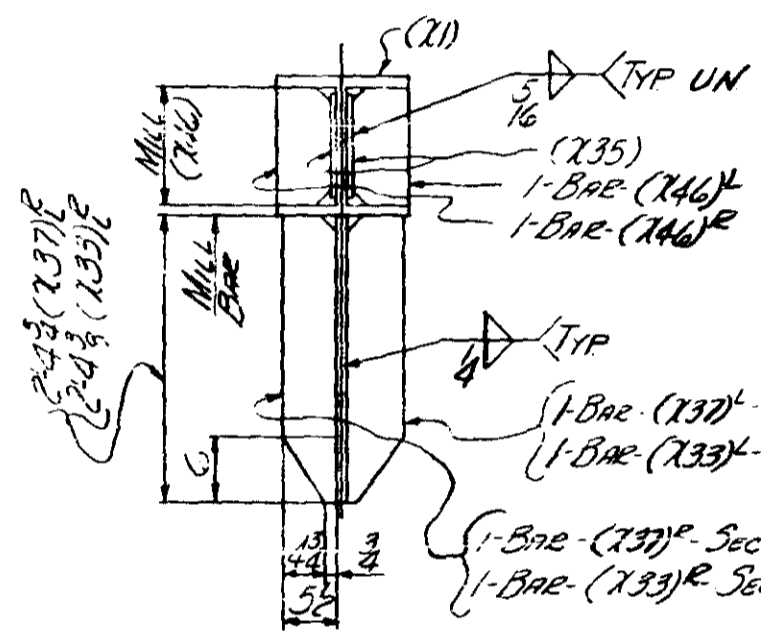
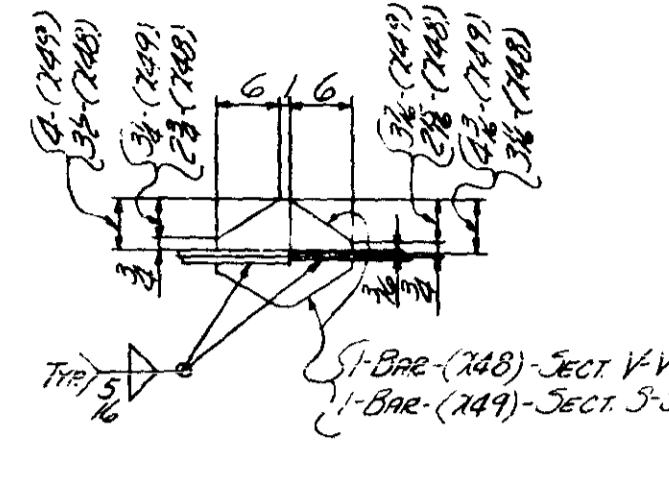
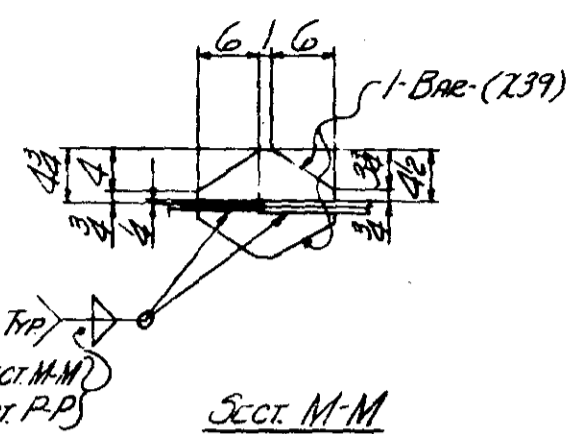
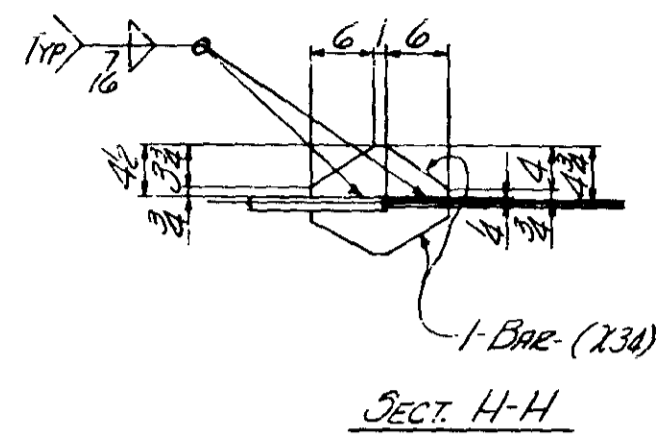
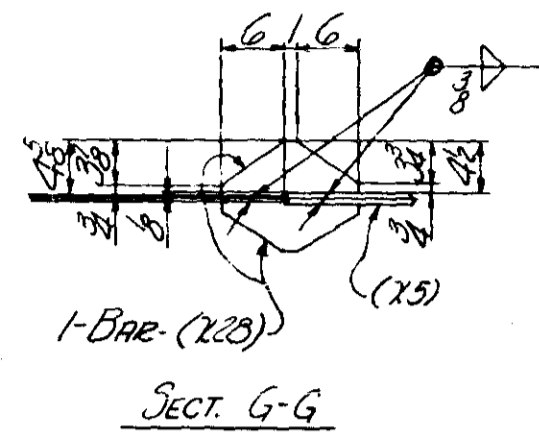
CONTRACT 3142 FABCOD 244 SHEET 912 D











LINE	SHIP NO.	NO. REQ.	SHAPE	LENGTH	PC MR.	REMARKS	ITEM NO.	BID ITEM	TOTAL WEIGHT	AHD SPWCS
1	9130	1	FLOOR TRUSS			(80' x 70')				
1		1	12WF106	64.06	X1	See Part 41				
1		1	12WF106	28.0		Part 41		59	2968	3326
2		2	12WF65	18.0		LINE 6		59	2341	3326
1		1	12WF85	68.11	X2	Part 41				
1		1	12WF85	46.0		Part 41		59	3910	3326
2		2	12WF65	11.5		LINE 9			1490	
1		1	12WF190	5.0	X3	M. FLG			5123	970
1		1	12WF92	12.0	X4				5102	1104
1		1	R 30 x 3	5.4	X5				5100	476
1		1	10WF34	11.1	X6				5100	447
1		1	R 27 x 8	5.6	X7				5208	442
1		1	8WF35	11.3	X8				5108	395
1		1	10WF54	12.4	X9				5110	667
1		1	R 22 x 8	5.0	X10				5208	281
1		1	8WF35	13.3	X11				5111	501
1		1	8WF35	11.5	X12				5112	400
1		1	R 23 x 2	4.6	X13				5208	176
1		1	8WF35	11.8	X14				5108	393
1		1	8WF35	13.1	X15				5108	487
1		1	R 22 x 8	5.0	X16				5208	281
1		1	10WF54	11.8	X17				5116	632
1		1	8WF35	10.2	X18				5115	358
1		1	R 27 x 8	5.6	X19				5208	442
1		1	10WF54	10.7	X20				5116	574
1		1	R 30 x 3	5.4	X21				5208	476
1		1	12WF92	10.0	X22				5117	968
1		1	12WF190	4.1	X23	M. FLG			5123	963
4		4	L 4 x 4 x 3/8	1.3	X24				5208	66
4		4	L 5 x 5 x 3/8	1.5	X25				5208	61
4		4	R 17 x 2	2.6	X26				5208	325
4		4	Bar 5/8 x 3	2.0	X27			59	5216	25
8		8	Bar 4/8 x 3	1.1	X28			59	5216	72
1		1	Bar 4/8 x 3	6.1	X29			59	5216	23
4		4	Bar 4/8 x 3	3.3	X30			59	5216	103
4		4	R 10 x 2	1.6	X31				5208	62
8		8	Bar 4/8 x 3	1.6	X32				5108	59
4		4	R 9 x 3	1.0	X33				5216	47
2		2	Bar 5/8 x 3	2.0	X34			59	5216	41
1		1	Bar 5/8 x 3	4.4	X35			59	5216	41
4		4	Bar 4/8 x 3	1.1	X36			59	5216	45
1		1	Bar 4/8 x 3	3.2	X37			59	5216	215
4		4	R 9 x 3	5.4	X38			59	5216	215
2		2	Bar 5/8 x 3	2.4	X39				5216	41
1		1	Bar 5/8 x 3	4.4	X40			59	5216	97
2		2	R 9 x 3	4.0	X41				5216	97
8		8	Bar 4/8 x 3	1.1	X42				5216	73
1		1	Bar 4/8 x 3	6.0	X43			59	5216	49
6		6	Bar 5/8 x 3	1.2	X44			59	5216	49
3		3	Bar 5/8 x 3	1.1	X45			59	5216	16
4		4	Bar 5/8 x 3	1.1	X46			59	5216	13
1		1	Bar 5/8 x 3	3.4	X47			59	5216	13
4		4	Bar 5/8 x 3	0.5	X48				5216	10
4		4	Bar 5/8 x 3	0.1	X49				5216	25
16		16	Bar 5/8 x 3	0.1	X50			59	5216	136
4		4	Bar 5/8 x 3	1.2	X51			59	5216	33
2		2	Bar 5/8 x 3	1.1	X52			59	5216	16
4		4	Bar 4/8 x 3	1.1	X53			59	5216	23
1		1	Bar 4/8 x 3	3.2	X54			59	5216	23
2		2	Bar 5/8 x 3	1.9	X55			59	5216	29
1		1	Bar 5/8 x 3	3.1	X56			59	5216	29

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

DRAWN BY R.L.M. DATE 9/14/66 CHECKED BY H.M.H. DATE 3-23-66

REVISIONS	△	△	△	△
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CLINTON FAB  
**ALLIED** STRUCTURAL STEEL COMPANY  
ENGINEERS FABRICATORS ERECTORS  
1115 15TH STREET MINNEAPOLIS, MINN.

DETAILS OF FLOOR TRUSS @ UP  
BRIDGE No. 9340  
LOCATION MINNEAPOLIS, MINN.

OWNER MINN. STATE HWY DEPT  
CUSTOMER MINN. STATE HWY DEPT

CONTRACT 3142 FABCOD 244 SHEET 913 CD



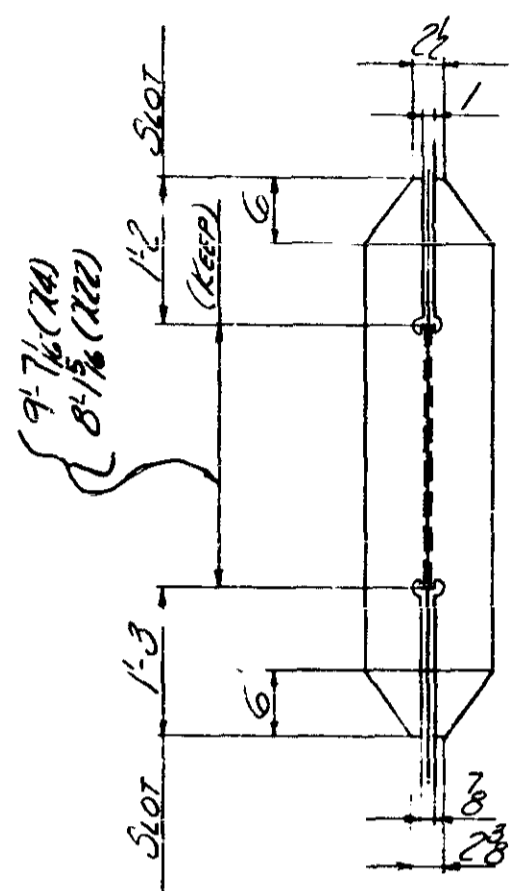


Fig Cut \*  
For (24) & (22)

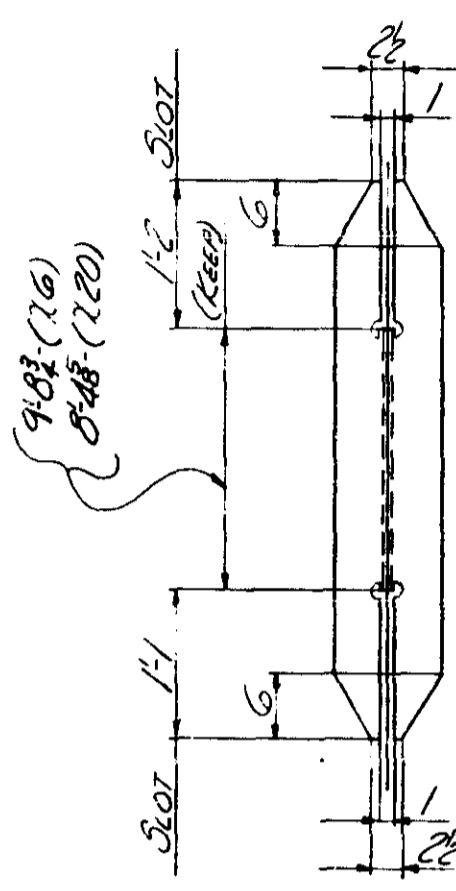


Fig Cut \*  
For (26) & (20)

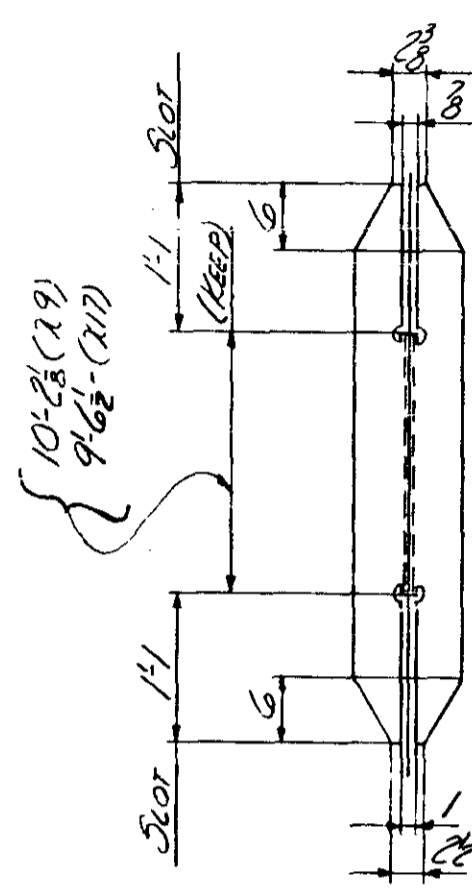


Fig Cut \*  
For (29) & (17)

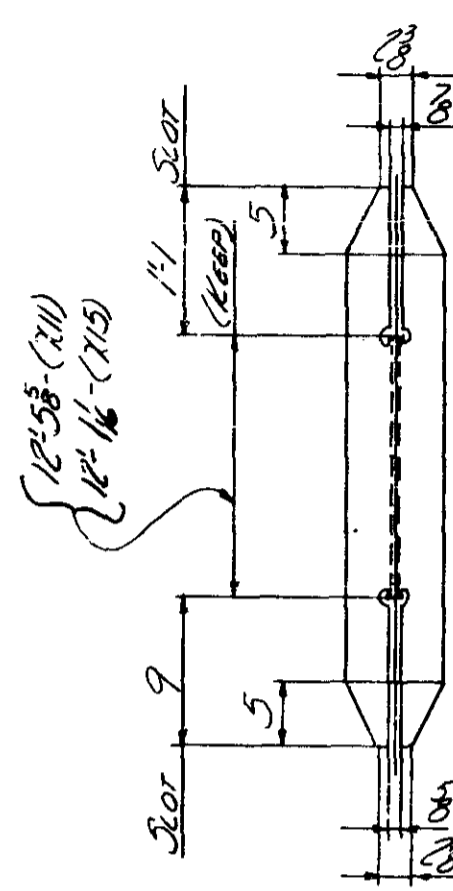


Fig Cut \*  
For (21) & (15)

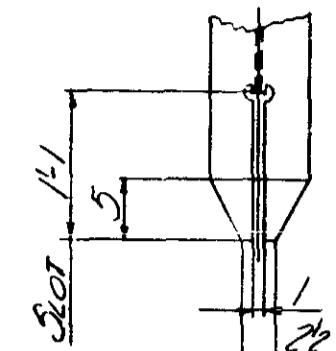


Fig Cut \*  
For (28) & (18)

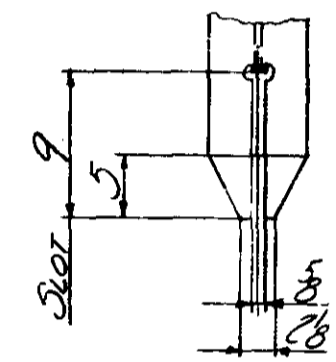
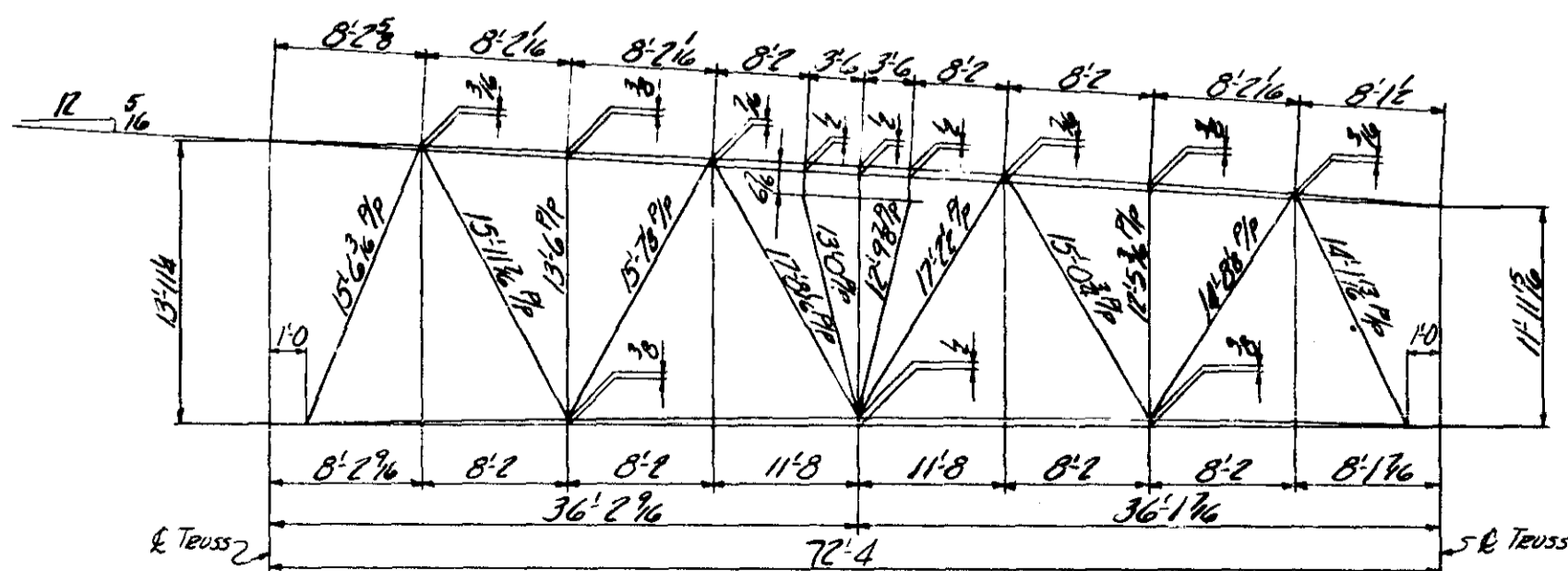
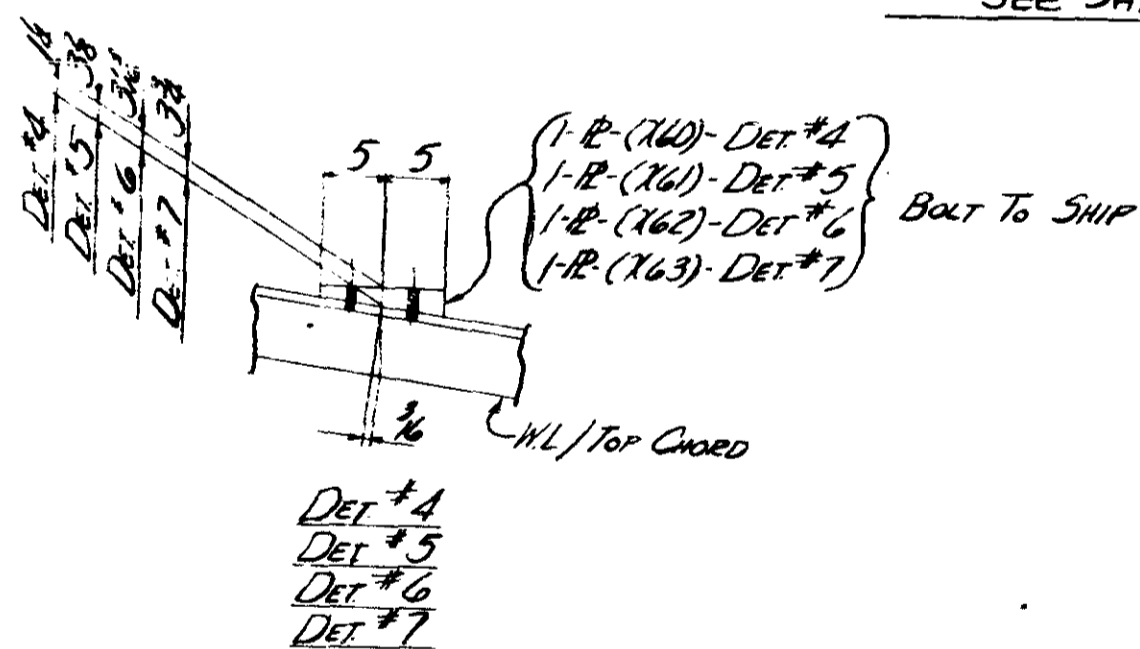


Fig Cut \*  
For (21) & (14)

\* SEE SH. XI & X2 FOR BEVEL CUTS FOR WELDING



CAMBER DIAGRAM

LINE	SHIP NO	NO REQ	SHAPE	LENGTH	PC	REMARKS	ITEM NO	BID ITEM	TOTAL WEIGHT	MHD	SPECS
72		2	BAR 5x2	1	20	1/2" W/ END					
73		1	BAR 5x2	1	11	1/2" W/ END					
74		2	BAR 5x2	1	26	1/2" W/ END		59	17	3306	
75		1	BAR 5x2	1	11	1/2" W/ END					
76		1	R 12x3	5	84	1/2" W/ END		59	17	3306	
77		1	BAR 8x3	5	82	1/2" W/ END					
78		1	BAR 8x3	5	13	1/2" W/ END					
79		1	R 12x3	3	3	1/2" W/ END					
80		1	R 39x2	2	9	1/2" W/ END					
81		2	BAR 5x2	1	8	1/2" W/ END		59	185	3306	
82		1	BAR 5x2	3	1	1/2" W/ END					
83		4	BAR 5x2	0	102	1/2" W/ END		59	29	3306	
84		4	E 10x13	1	0	BEVELED					
85		1	E 10x4	1	0	BEVELED					
86		2	R 10x3 1/2	1	0	BEVELED					
87		1	R 10x3 1/2	1	0	BEVELED					
88											
89		1	R 11x3	0	102	MRE					
90		1	R 11x3	0	102	MRE		59	13	3306	
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SHOP NOTE  
 FOR GEN NOTES SEE SH. GNI.  
 FOR MATL SPECS SEE BILL OF MATL.  
 ALL CLIPPED CORNERS NOT  
 DIMENSIONED SHALL BE CUT  
 @ 45°  
 FOR X-RAY IDENTIFICATION NO.  
 SEE SH. W-1  
 FOR INSPECTION OF WELDS SEE NOTE  
 ON SH. GNI-1  
 FOR WELD SEQUENCE AND WELDING OF  
 WEB MEMBERS SEE SH. XI & X2

MINN. PROJ. No I-1635W-3(55)112  
 STATE PROJ. No 2783-9340B (TH35W-394)

**ALLIED** STRUCTURAL STEEL COMPANY  
 ENGINEERS FABRICATORS ERECTORS  
 1222-1228 STREET, HARMON, INDIANA 46130

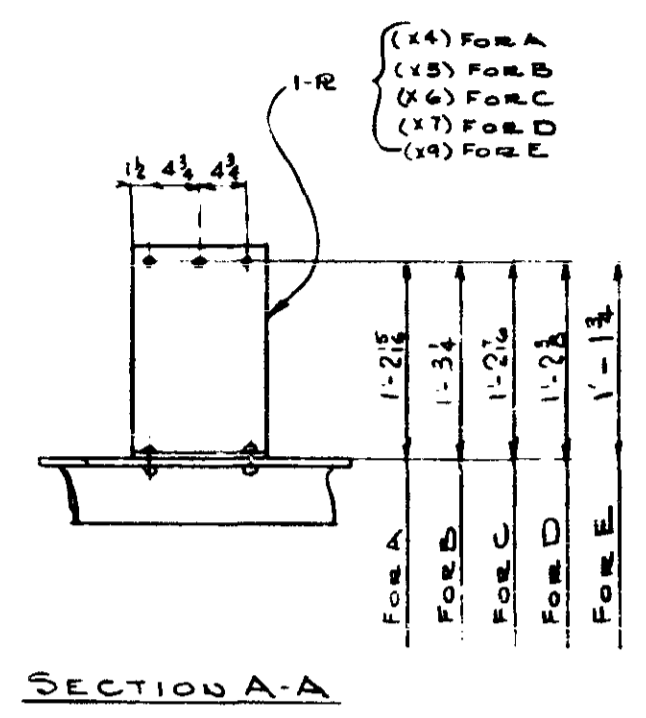
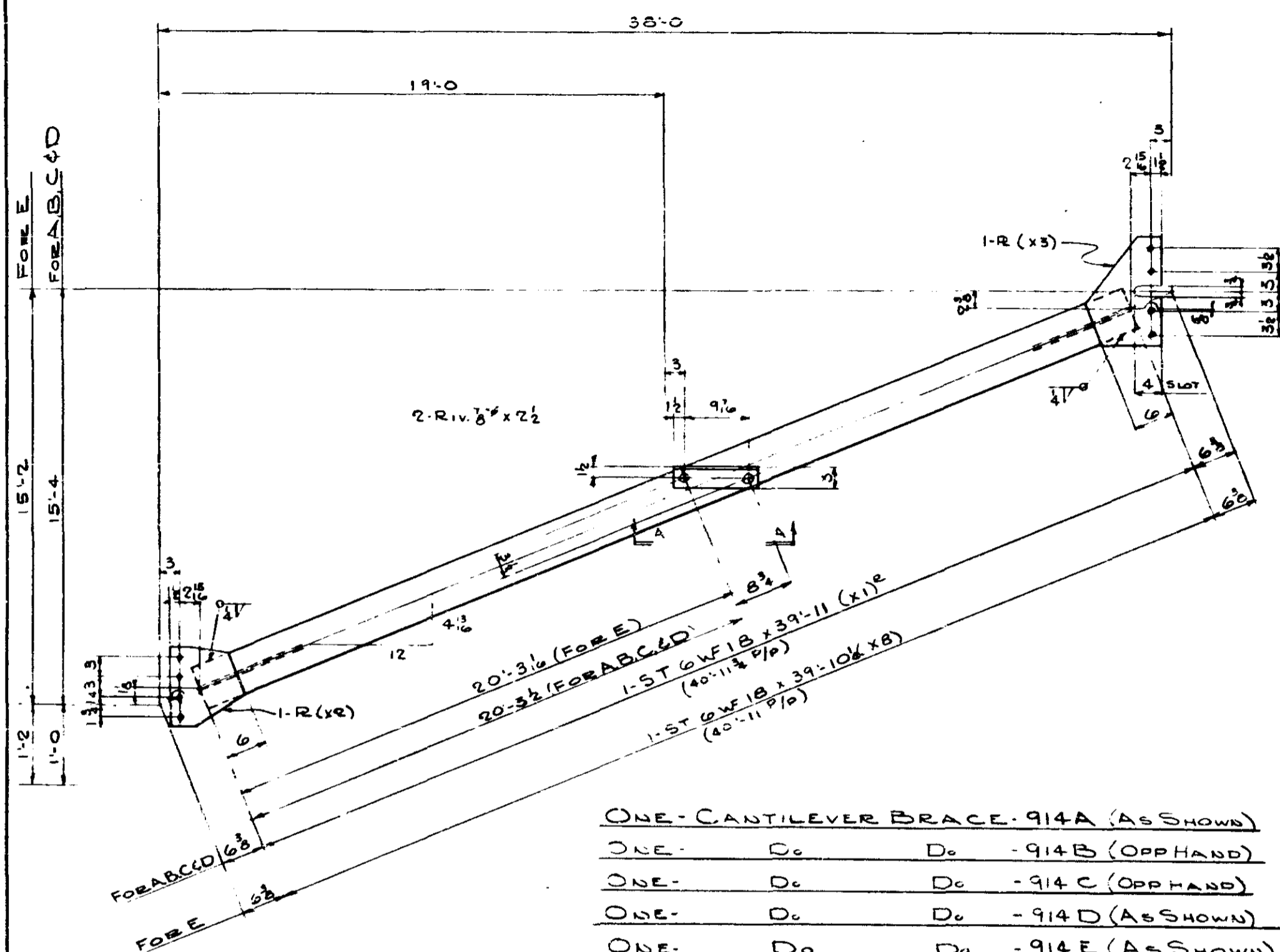
DETAILS OF FLOOR TRUSS @ U2  
 STRUCTURE BRIDGE No. 9340  
 LOCATION MINNEAPOLIS, MINN.  
 OWNER MINN. STATE HWY DEPT.  
 CUSTOMER MINN. STATE HWY DEPT.

CLINTON FAB  
 OPEN HOLES 1/2" UN RIVETS & BOLTS 3/8" PAINT YES, SEE SH. GNI  
 DRAWN BY R.P.M. DATE 9/26/66 CHECKED BY H.M.H. DATE 3-23-66

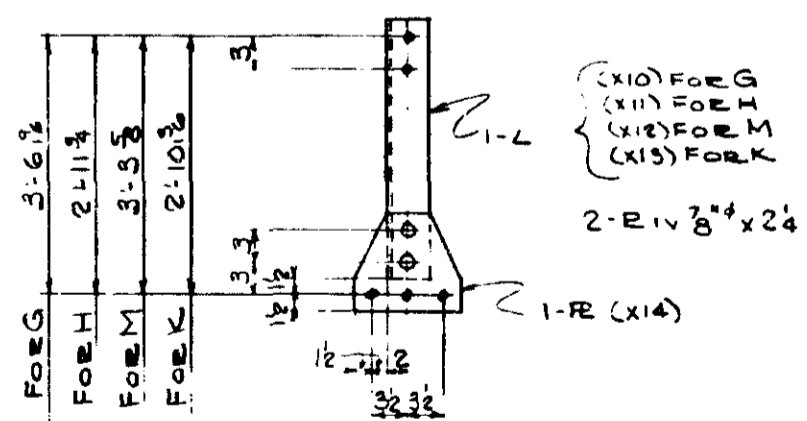
REVISIONS  
 Q-10-67  
 R.E.M.

CONTRACT 3142 FABCOD 244 SHEET 913 D





- ONE - CANTILEVER BRACE - 914A (AS SHOWN)
- ONE - Do - Do - 914B (OPPHAND)
- ONE - Do - Do - 914C (OPPHAND)
- ONE - Do - Do - 914D (AS SHOWN)
- ONE - Do - Do - 914E (AS SHOWN)



- ONE - HANGER - 914G (AS SHOWN)
- ONE - Do - 914H (OPPHAND)
- ONE - Do - 914M (AS SHOWN)
- ONE - Do - 914K (OPPHAND)

Div.	Item	QTY	SHIP MK	NO. REQD	SHAPE	LENGTH	PC. NR.	REMARKS	ITEM NO.	TOTAL WEIGHT
49	13	1								
	1									
	2									
	3									
	4	914A	ONE		CANTILEVER BRACE (20 X 40 L D)					
	5	914B	ONE		Do			Do (20 X 40 L D)		
	6	914C	ONE		Do			Do (20 X 40 L D)		
	7	914D	ONE		Do			Do (18 X 40 L D)		
	8	4	STGWF 18	39'-11"	X1				7103	2879
	9	4	R 11 1/2 X 3/8	1'-0"	X2				7105	59
	10	4	R 11 1/2 X 3/8	1'-4"	X3				7106	78
	11	1	R 12 1/2 X 3/8	1'-7 1/2"	X4			BENT FOR A	7106	26
	12	1	R 12 1/2 X 3/8	1'-7 1/2"	X5			" - B	7106	26
	13	1	R 12 1/2 X 3/8	1'-7"	X6			" - C	7106	26
	14	1	R 12 1/2 X 3/8	1'-7"	X7			" - D	7106	26
	15									
	16	8	RIV 7/8"							NC
	17	4	F.W. 4	4'-0"						NC
	18									
	19									
	20									
	21	914E	ONE		CANTILEVER BRACE					
	22	1	STGWF 18	39'-10 1/2"	X8				7103	59
	23	1	R 12 1/2 X 3/8	1'-6 1/2"	X9			BENT	7106	29
	24	1	R		X2				7105	15
	25	1	R		X3				7105	20
	26									
	27	2	RIV 7/8"							NC
	28	1	F.W. 4	4'-0"						NC
	29									
	30									
	31	914G	ONE		HANGER					
	32	914H	ONE		Do					
	33	914M	ONE		Do					
	34	914K	ONE		Do					
	35	1	L 4 x 4 x 3/8	3'-6 1/2"	X10			FOR G	6011	35
	36	1	L 4 x 4 x 3/8	2'-11 1/2"	X11			FOR H	6011	29
	37	1	L 4 x 4 x 3/8	3'-5 1/2"	X12			FOR M	6011	32
	38	1	L 4 x 4 x 3/8	2'-10 1/2"	X13			FOR K	6011	28
	39	4	R 9 X 3/8	0'-10"	X14				603	59
	40	8	RIV 7/8"							NC
	41									
	42									
	43									
	44									
	45									
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SHOP NOTE  
FOR GED NOTES  
SEE GNI  
FOR MAT'L SPECS  
SEE BILL OF MAT'L

MINN. PROJ. N91IG35W-3/50/112  
STATE PROJ. U92785-9340B  
(TH35W-394)

HAMMOND FAB

OPEN HOLES 15 1/8" RIVETS & BOLTS 7 1/8" PAINT YES SEE SHT. GNI

REF: E10 E15

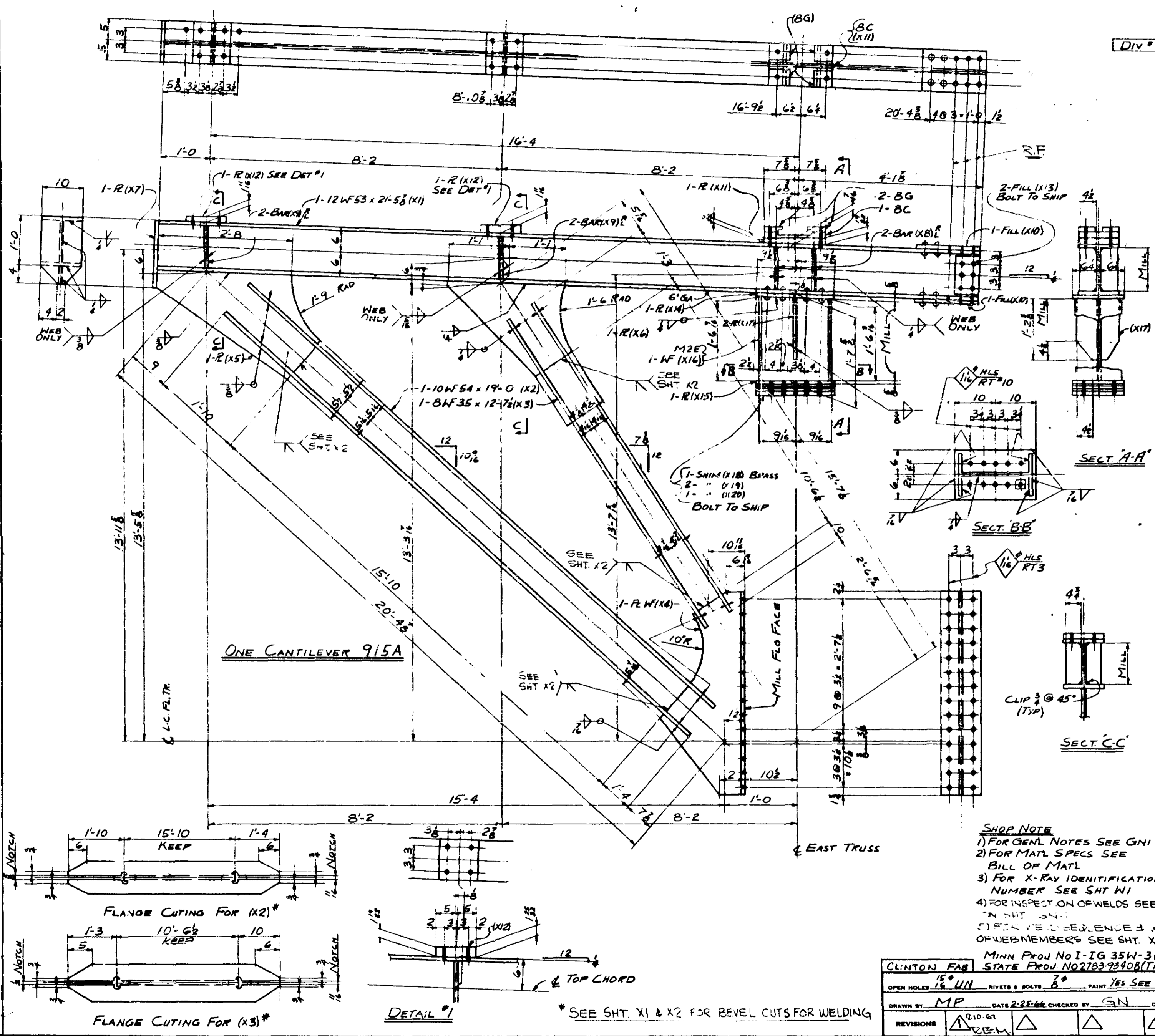
REVISIONS:  $\Delta$   $\Delta$   $\Delta$   $\Delta$

DRAWN BY: *Mac* DATE: 2-17-66 CHECKED BY: *SN* DATE: \_\_\_\_\_

ALLIED STRUCTURAL STEEL COMPANY  
1015 10TH STREET, HARBOR, MINN. 55412

DETAILS OF CANTILEVER BRACING  
STRUCTURE: BRIDGE N99340  
LOCATION: MINNEAPOLIS, MINNESOTA  
OWNER: MINNESOTA STATE HWY. DEPT.  
CUSTOMER: MINNESOTA STATE HWY. DEPT.

CONTRACT 3142 FABCOD 204 SHEET 914



8-RIV 8" x 2 1/2"  
8-RIV 8" x 2 1/2"

ITEM NO	SHIP NO	SHAPE	LENGTH	PC	REMARKS	ITEM NO	TOTAL WEIGHT	TOTAL AREA
1								
2								
3		915A ONE CANTILEVER	(186 x 21'-6")					
4								
5		1 12WF53	21-5 1/8 X1			5106	89	1139
6		1 10WF54	19-0 X2			4320	1026	
7		1 8WF35	12-7 1/8 X3			4118	982	
8		1 PL 30WF108	4-1 1/2 X4			5221	446	
9		1 R 24 x 8	3-2 X5			5207	131	
10		1 R 19 x 8	2-9 1/2 X6			5207	59	
11		1 R 10 x 8	1-4 X7			5207	17	
12		4 BAR 4 1/2 x 2	0-10 1/2 X8		MZE	4218	28	
13		4 BAR 4 1/2 x 2	0-10 1/2 X9		MZE	4218	29	
14		2 FILLS 10 x 6	1-3 X10			3212	37	
15		1 R 10 x 13 1/2	1-3 1/2 X11		B.L.S.	4204	19	
16		2 R 10 x 13 1/2	0-10 X12		B.L.S.	4204	96	
17		2 FILLS 6 x 6	0-9 X13			4220	9	
18		1 R 12 x 8	1-7 X14			4221	42	
19		1 R 12 x 8	1-8 X15			4221	43	
20		1 18WF96	1-0 1/2 X16		MZE	4223	148	
21		2 R 5 1/2 x 2	1-2 1/2 X17		MZE	4223	22	
22		1 BRASS SUMP 12 x 6	1-8 X18			4223	5	3331
23		2 SUMP 12 x 6	1-8 X19			4223	17	3306
24		1 R 12 x 4	1-8 X20			4223	17	3306
25		4 R			DO			
26		1 R			DO			
27								
28								
29		12 8" SB						NC
30		16 4" RV						
31		1 1/2 WLD	32.9					
32		1 1/2 WLD	3.78					
33		1 1/2 WLD	23.78					
34		1 1/2 WLD	21.1					
35		1 3/4 WLD	0.52					
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SHOP NOTE  
 1) FOR GENL NOTES SEE GNI  
 2) FOR MATL SPECS SEE BILL OF MATL  
 3) FOR X-RAY IDENTIFICATION NUMBER SEE SHT W1  
 4) FOR INSPECT ON OF WELDS SEE NOTE IN SHT GNI  
 5) FOR WELD SEQUENCE & WELDING OF WEB MEMBERS SEE SHT. X1 & X2

**ALLIED STRUCTURAL STEEL COMPANY**  
 FABRICATORS & ERECTORS  
 1425 15TH STREET HARBOR INDIANAPOLIS, INDIANA

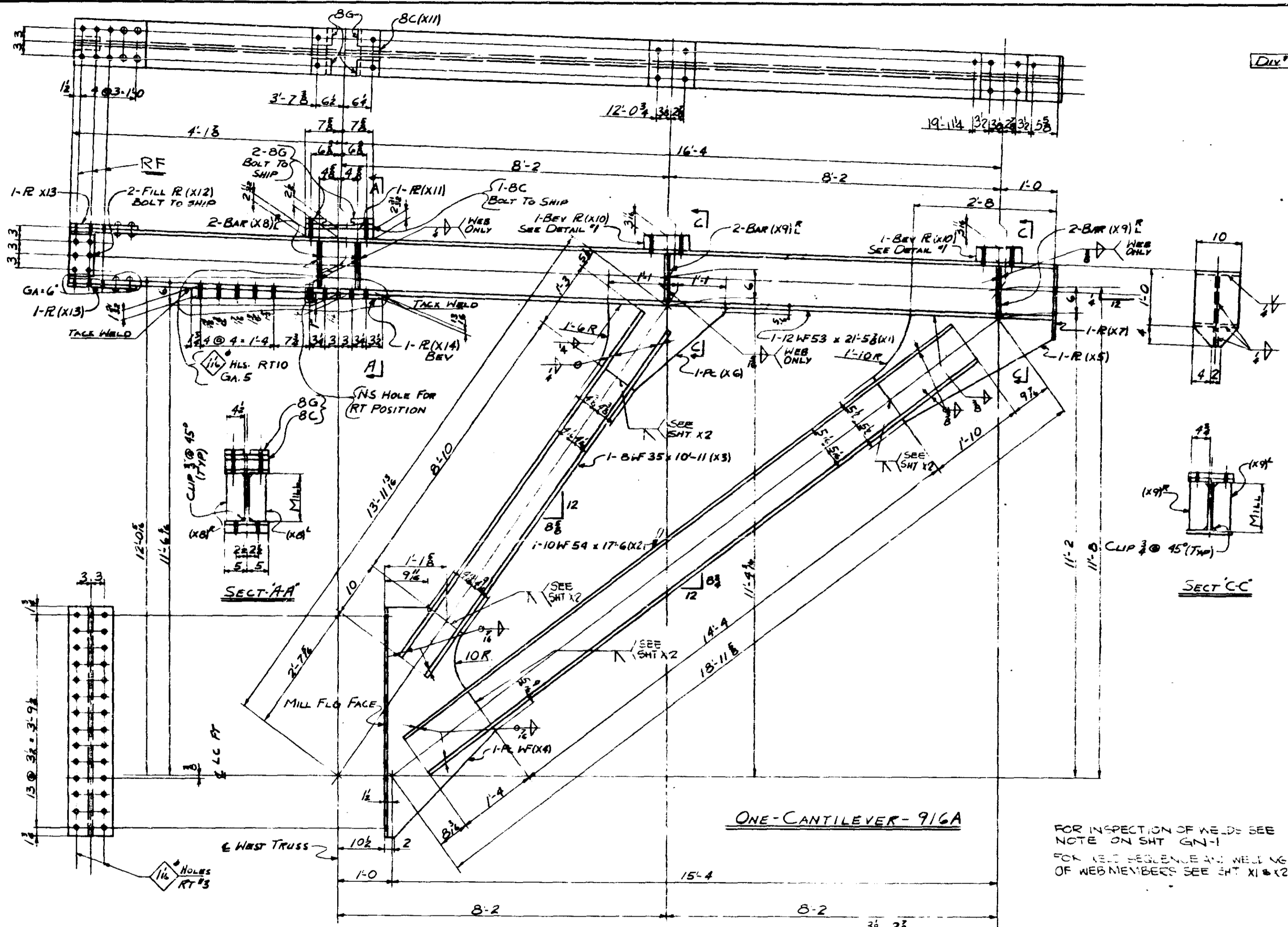
DETAILS OF CANTILEVER @ FT#3 (EAST TRUSS)  
 STRUCTURE BRIDGE No 9340  
 LOCATION MINNEAPOLIS MINNESOTA  
 OWNER MINN STATE HWY DEPT  
 CUSTOMER MINN STATE HWY DEPT

CLINTON FAB  
 OPEN HOLES 1 1/2 UN RIVETS & BOLTS 7/8 PAINT YES SEE SHT GNI  
 DRAWN BY MP DATE 2-28-66 CHECKED BY GN DATE  
 REVISIONS  
 1. 2-10-67  
 2. 2-10-67

MINN PROJ No I-IG 35W-3(5B)112  
 STATE PROJ No 2783-9340B (TH 35W-3M)

CONTRACT 3142 FARCOD 244 SHEET 915

\* SEE SHT. X1 & X2 FOR BEVEL CUTS FOR WELDING



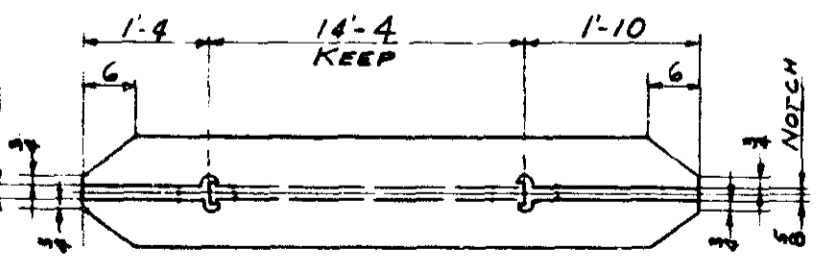
LINE	QTY	NO.	SHAPE	LENGTH	PC	REMARKS	ITEM NO.	TOTAL WEIGHT
1								
2								
3	1	916A	ONE-CANTILEVER (180 x 21'-6")					
4								
5	1	12WF53	21'-5 1/2" (W)				6106 59	1139 3306
6	1	10WF54	17'-6" (X2)				6121	945
7	1	8WF35	10'-11" (X3)				6127	382
8	1	R 30WF108	4'-1" (X4)				6122	441
9	1	R 238 x 8	3'-4 1/2" (X5)				6204	137
10	1	R 198 x 8	2'-11" (X6)				6207	60
11	1	R 10 x 8	1'-4" (X7)				6208	17
12	4	BAR 4 1/2 x 1/2	0'-10 1/2" (X8)				M.P.E. 4216	29
13	4	BAR 2 1/2 x 1/2	0'-10 1/2" (X9)				M.P.E. 4216	29
14	2	R 10 (3/8 x 3/8)	10" (X10)				B.I.S. 4308	209
15	1	R 10 (3/8 x 3/8)	1'-3 1/2" (X11)				B.I.S. 4308	108
16	2	FILL 6 x 8	0'-9" (X12)				9226	4
17	2	FILL 10 x 10	1'-3" (X13)				9225	37
18	1	R 10 (3/8 x 3/8)	3'-5 1/2" (X14)				9226 59	140 3306
19	4	R	8"				BC	Do
20	1	R	8"				BC	Do
21								
22								
23								
24	10	3/8" S&W BOLT						NC
25	8	3/8" RIV						
26								
27	1	1/2" WLD	21'-0"					
28	1	1/2" WLD	3'-8"					
29	1	1/2" WLD	23'-8"					
30	1	1/4" WLD	16'-4"					
31	1	3/8" WLD	0'-5 1/2"					
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8-RIV 3/8" x 2 1/2"

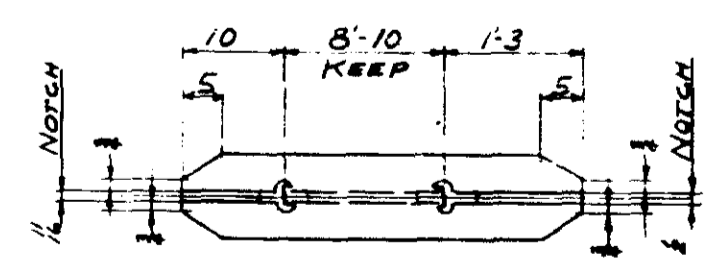
ONE-CANTILEVER-916A

FOR INSPECTION OF WELDS SEE NOTE ON SHT GN-1  
 FOR WELD SEQUENCE AND WELD LOG OF WEB MEMBERS SEE SHT XI & X2

- SHOP NOTE  
 1) FOR GEN NOTES SEE GNI  
 2) FOR MATL SPECS SEE BILL OF MATERIAL  
 3) FOR X-RAY IDENT. NO. SEE SHT WI

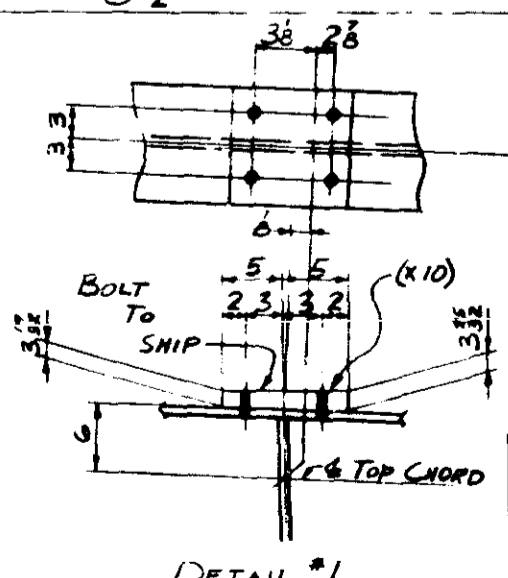


FLANGE CUTTING FOR (X2)\*



FLANGE CUTTING FOR (X3)\*

\* SEE SHT. XI & X2 FOR BEVEL CUTS FOR WELDING



DETAIL #1

CLINTON FAB

MINN PROJ No I-IG 35W-3(58)112  
 STATE PROJ No 27B3-9240B (TH 35W-394)  
 OPEN HOLES 1/2" UN RIVETS & BOLTS 3/8" PAINT YES SEE SHT GNI  
 DRAWN BY M.P. DATE 2-22-64 CHECKED BY G.N. DATE  
 REVISIONS: 1-10-67, K.E.M., [triangle], [triangle], [triangle]

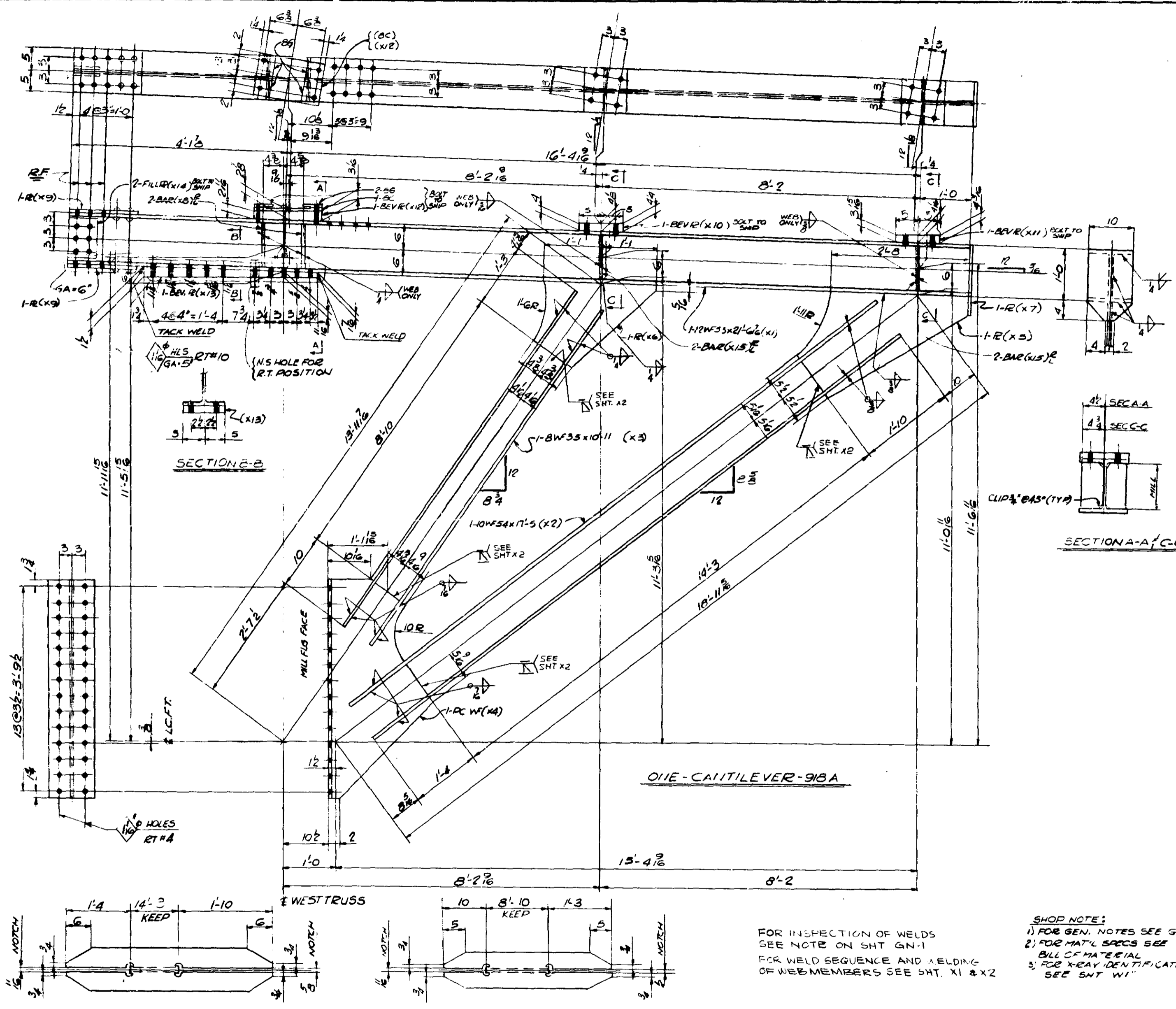
**ALLIED STRUCTURAL STEEL COMPANY**  
 FABRICATORS & ERECTORS  
 1400 STATE STREET, MINNEAPOLIS, MINN. 55402

DETAILS OF CANTILEVER @ FT#3 WEST TRUSS  
 STRUCTURE BRIDGE No 9340  
 LOCATION MINNEAPOLIS MINNESOTA  
 OWNER MINN STATE HWY DEPT  
 CUSTOMER MINN STATE HWY DEPT

CONTRACT 3142 FABCOD 244 SHEET 916







DIV. # 9

ITEM NO.	QTY	SHIP MK	NO. REQD.	SHAPE	LENGTH	PC MK	REMARKS	ITEM NO.	TOTAL WEIGHT	MHD
1										
2										
3										
4										
5	1			12W53	21' 6 1/2" X 1			5106	59	1141
6	1			10W54	17' 5" X 2			5107		941
7	1			8W55	10' 11" X 3			5108		382
8	1			RC30W108	4' 7" X 4			5109		441
9	1			2L20x8	3' 5 1/2" X 5			5110		140
10	1			2L19x8	2' 4 1/2" X 6			5111		57
11	1			2L10x8	1' 4" X 7			5112		17
12	4			BAR 2 1/2" X 6"	0' 10 1/2" X 8"		PH. R.E.	5113		28
13	2			FILL 10" X 16"	1' 3" X 9"			5114		37
14	1			2L10(4-4 1/2")	0' 10" X 10"		B.I.S.	5115		117
15	1			2L10(3 1/2"-4 1/2")	0' 10" X 12"		B.I.S.	5116		115
16	1			2L10(2 1/2"-3 1/2")	1' 3 1/2" X 12"		B.I.S.	5117		129
17	1			2L10(1 1/2"-2 1/2")	3' 5 1/2" X 12"		B.I.S.	5118		110
18	2			FILL 2 1/2" X 6"	0' 9" X 10"			5119		4
19	4			BAR 2 1/2" X 6"	0' 10 1/2" X 8"		PH. R.E.	5120		29
20										
21	10			3/8" S.S. B.						NC
22	2			3/8" RIV.						
23	1			3/8" WLD	0' 5 1/2"					
24	1			3/8" WLD	2' 10"					
25	1			5/8" WLD	3' 7 1/2"					
26	1			3/8" WLD	23' 7 1/2"					
27	1			1/2" WLD	16' 4"					
28	4			R			SEE SHT. B FOR DETAILS			
29	1			R			DO			
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2" SDRIV.  
NO LGTH  
8 22

ONE-CANTILEVER-918A

BID ITEM 59 = 3683

FOR INSPECTION OF WELDS  
SEE NOTE ON SHT GN-1  
FOR WELD SEQUENCE AND WELDING  
OF WEB MEMBERS SEE SHT. XI & X2

SHOP NOTE:  
1) FOR GEN. NOTES SEE GNI  
2) FOR MAT'L SPECS SEE  
BILL OF MATERIAL  
3) FOR X-RAY IDENTIFICATION NUMBER  
SEE SHT. WI

FLANGE CUTTING FOR (X2)\*

FLANGE CUTTING FOR (X3)\*

\* SEE SHT XI & X2 FOR DEVEL CUTS FOR WELDING

MINN PROJ NO I-1935W-3 (58)112  
STATE PROJ NO. 27839340B (TH35W-314)

OPEN HOLES	5/8" CLN	RIVETS & BOLTS	3/8"	PAINT	YES-SEE SHT GNI
DRAWN BY	E		DATE	3-1-26	CHECKED BY
REVISIONS	1	2	3	4	5

**ALLIED** STRUCTURAL STEEL COMPANY

CLINTON FAB

DETAILS OF: CANTILEVER @ FT 2 (WEST TRUSS)

STRUCTURE: BRIDGE NO. 9340

LOCATION: MINNEAPOLIS, MINNESOTA

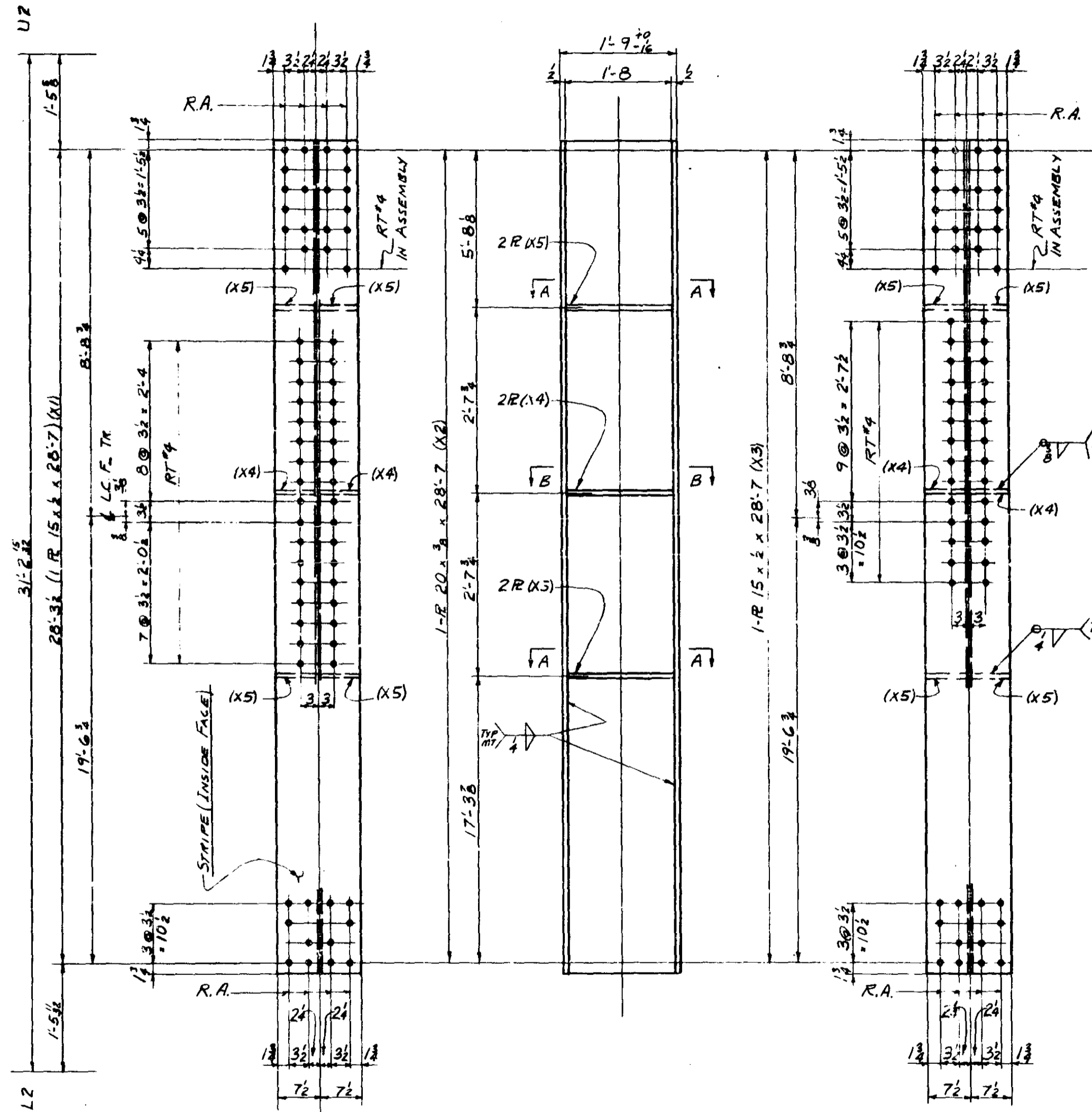
OWNER: MINNESOTA STATE HWY DEPT.

CUSTOMER: MINNESOTA STATE HWY DEPT.

CONTRACT: 3142

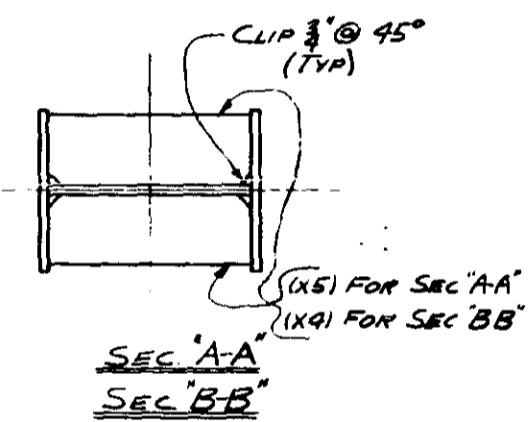
FABCOD: 244

SHEET: 918



ONE VERTICAL 1001L2-U2E  
 ONE do 1001L2-U2W

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



NO.	SHIP MK	NO. REQD	SHAPE	LENGTH	PC MK	REMARKS	ITEM NO.	TOTAL WEIGHT	MHD
1									
2									
3			ONE VERTICAL	1001L2-U2E		(21 x 28'-7")			
4			ONE do	1001L2-U2W		"			
5									
6									
7		2	R 15 x 1/2	28.7	X1	UM	2202	61	1458
8		2	R 20 x 3/8	28.7	X2		2203	61	1958
9		2	R 15 x 3/8	28.7	X3	UM	2204	61	1958
10		4	R 7 x 3/4	1.8	X4		2205	59	119
11		8	R 7 x 2	1.8	X5		2206	59	157
12									
13									
14		2	1/2 FW	124.8					NC
15		2	1/2 FW	5.9					NC
16									
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**ALLIED** STRUCTURAL STEEL COMPANY  
 ENGINEERS FABRICATORS ERECTORS

DETAILS OF: TRUSS VERTICAL  
 STRUCTURE: BRIDGE No 9340  
 LOCATION: MINNEAPOLIS MINNESOTA  
 OWNER: MINN STATE HWY DEPT.  
 CUSTOMER: MINN STATE HWY DEPT.

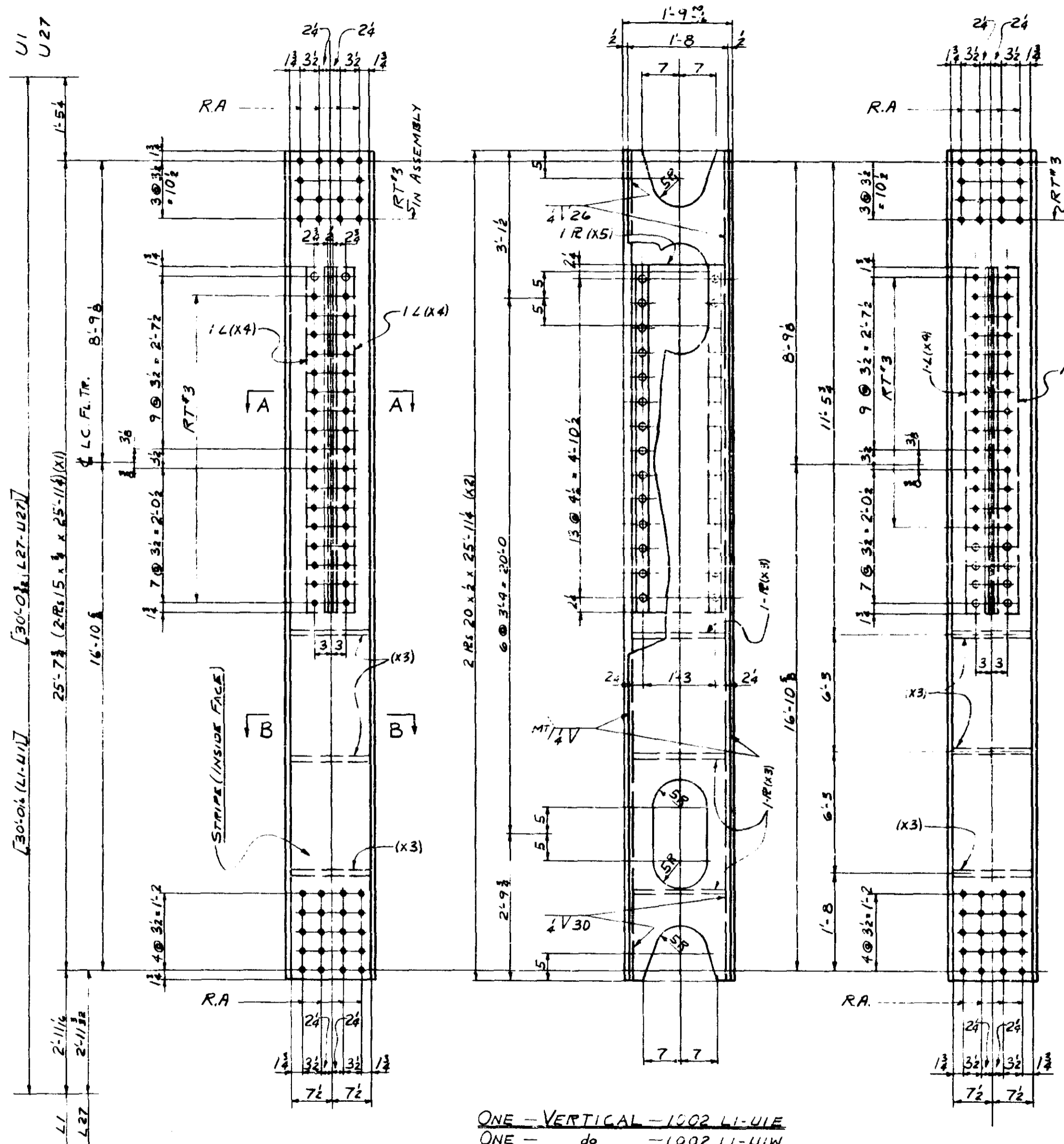
MINN. PROJ. No. I-G 35W-3(50)112  
 STATE PROJ. No. 2723-94.08(TH 35W-394)

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

DRAWN BY: MJP DATE: 2-2-66 CHECKED BY: H.M.H. DATE: 3-25-66

CONTRACT 3142 FARCOD 235 SHEET 1001

DIV 10	REVISIONS	△	△	△	△
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RIVETS  
 (40) 1" x 2 7/8"  
 (112) 1" x 3/4"

- ONE - VERTICAL - 1002 L1-U1E
- ONE - do - 1002 L1-U1W
- ONE - do - 1002 L27-U27E
- ONE - do - 1002 L27-U27W

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

Div	SHIP	NO	SHAPE	LENGTH	PC	REMARKS	ITEM	TOTAL	
10/14	NR	REGD			NR		NO	WEIGHT	
1			ONE VERTICAL	1002 L1-U1E			21	26.0	
1			ONE do	1002 L1-U1W			21	26.0	
1			ONE do	1002 L27-U27E			21	26.0	
1			ONE do	1002 L27-U27W			21	26.0	
8			B R 15 x 3/4	25 11/4 X1			2320	61	7937
10			B R 20 x 3/4	25 11/4 X2			2321	61	7055
11			R 15 x 3/4	1 7/8 X3			2322	59	373
12			L 5 x 3/2 x 3/4	5 3/4 X4			2323	59	1142
13			R 19 x 3/4	5 3/4 X5			2324	59	678
16			4 1/2 FH	27 5					NC
152			1" Riv.						NC
BID ITEM	59	2193							
BID ITEM	61	14992							

**ALLIED** STRUCTURAL STEEL COMPANY  
 1115 15TH STREET HARBOR INDIAN INDIAN

DETAILS OF TRUSS VERTICAL  
 STRUCTURE BRIDGE No 9310  
 LOCATION MINNEAPOLIS MINNESOTA  
 OWNER MINN STATE HWY DEPT  
 CUSTOMER MINN STATE HWY DEPT

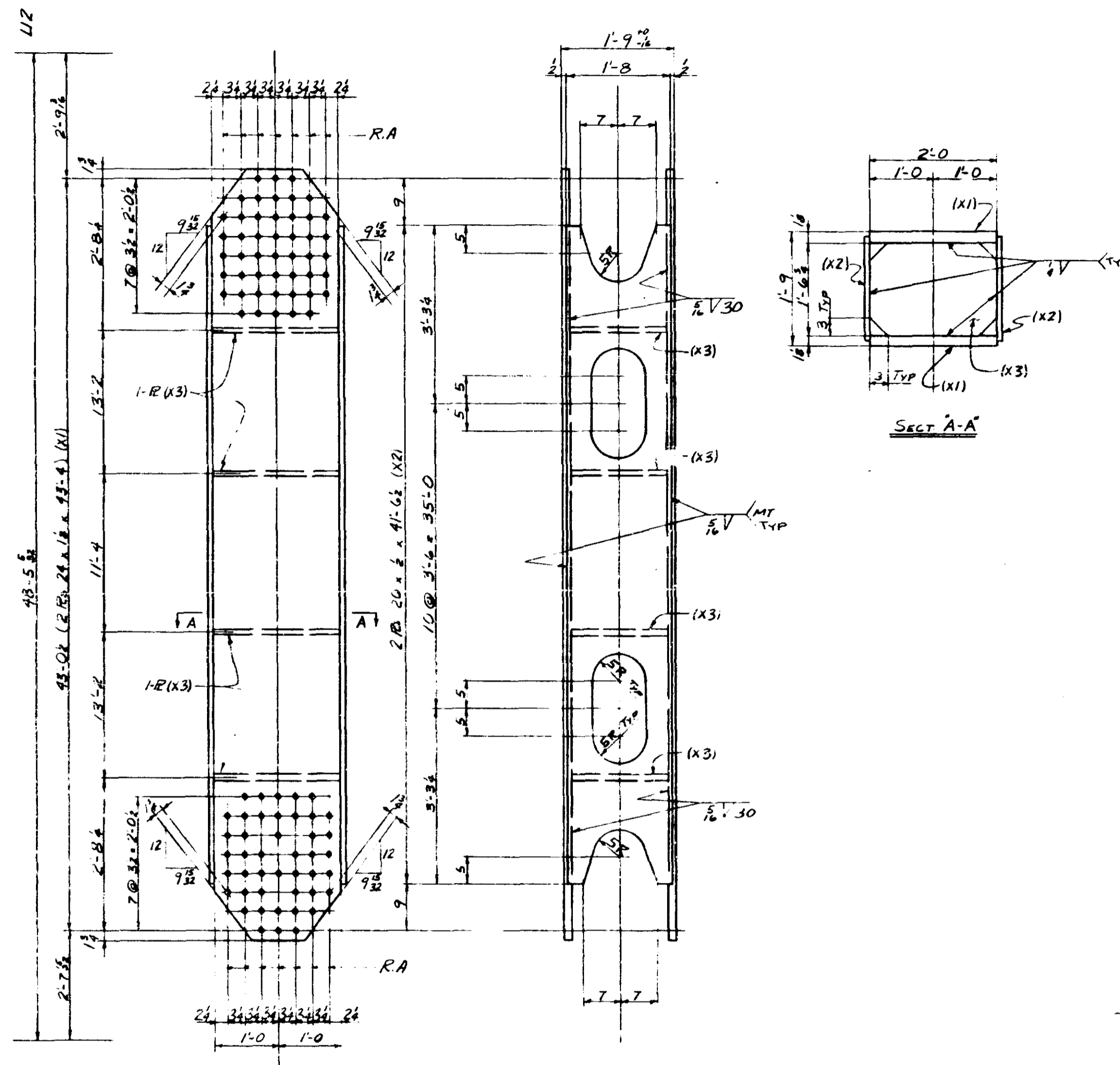
MINN. PROJ. No. I-IG 35W-315B/112  
 STATE PROJ. No. 2783-940B (TH 35W-394)

HAMMOND FAB OPEN HOLES 1/16" RIVETS & BOLTS PAINT Yes, SEE SHT GNI

DRAWN BY MJP DATE 2-3-66 CHECKED BY H.M.H. DATE 3-23-66

REVISIONS  $\Delta$   $\Delta$   $\Delta$   $\Delta$

CONTRACT 3142 FABCOD 214 SHEET 1002



ONE DIAGONAL 1003 LI-UZE  
 ONE do 1003 LI-U2W

SHOP NOTE  
 FOR GEN NOTES SEE GNI  
 FOR MATL SPECS SEE BILL OF MATL  
 FOR INSPECTION OF WELD SEE NOTE  
 ON SH1 GNI

LINE	SHIP NO	NO REQD	SHAPE	LENGTH	PC NO	REMARKS	ITEM NO	BID ITEM	TOTAL WEIGHT	MINI SPEC
1										
2										
3										
4	ONE		DIAGONAL	1003 LI-UZE			24	44-0		
5	ONE		do	1003 LI-U2W			24	44-0		
6										
7										
8	4		R 24 x 1 1/2	43 7/8	X1		2216	60	15912	3309
9	4		R 20 x 2	41 6/8	X2		2217	61	5650	3310
10	8		R 18 1/2 x 2	2 0	X3		2218	59	383	3304
11										
12										
13	2		1/2 FW	196 2						NC
14	2		1/2 FW	20 6						NC
15										
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49			BID ITEM	59			383			
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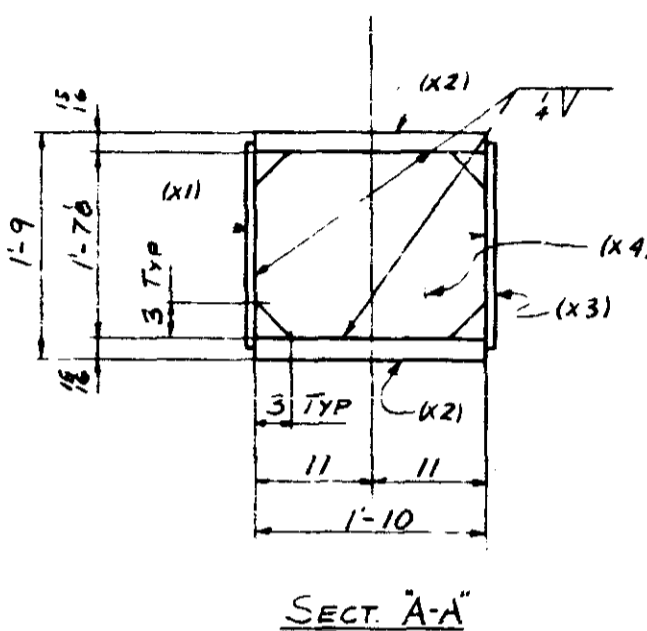
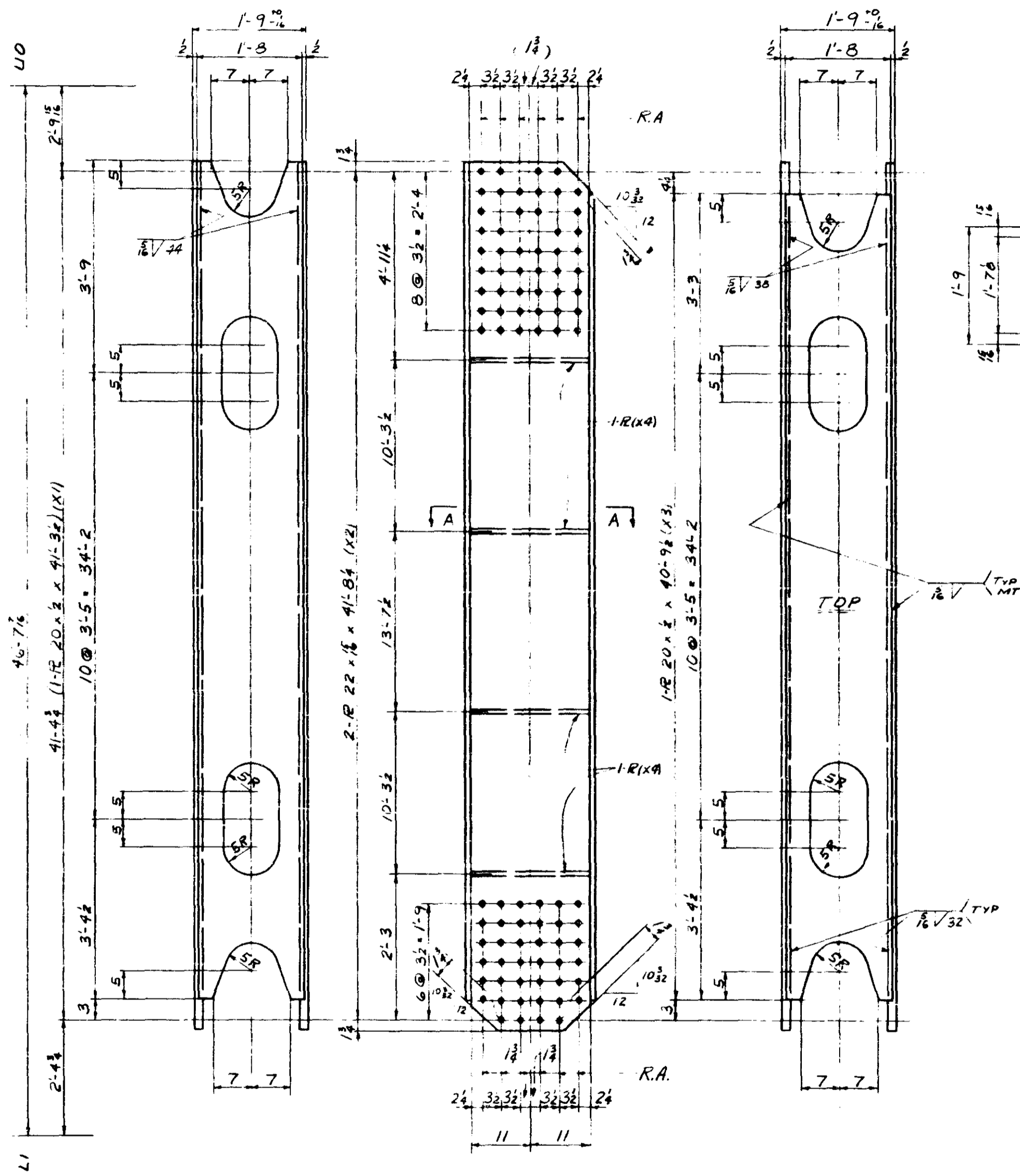
**ALLIED** STRUCTURAL STEEL COMPANY  
 FABRICATORS  
 ERECTORS

MINN. PROJ. No. I-IG 35W-3(5B)112  
 STATE PROJ. No. 2783-92408(TH 35W394)  
 HAMMOND FAB  
 OPEN HOLES 1/16" RIVETS & BOLTS PAINT YES SEE SH1 GNI  
 DRAWN BY MJP DATE 1-20-66 CHECKED BY H.M.H DATE 3-25-66

DETAILS OF TRUSS DIAGONAL  
 STRUCTURE BRIDGE No 9340  
 LOCATION MINNEAPOLIS MINNESOTA  
 OWNER MINN STATE HWY DEPT  
 CUSTOMER MINN STATE HWY DEPT

Div 10 REVISIONS  $\Delta$   $\Delta$   $\Delta$   $\Delta$  CONTRACT 3142 FABCOD 214 SHEET 1003





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

ONE-DIAGONAL-1004LI-UOW

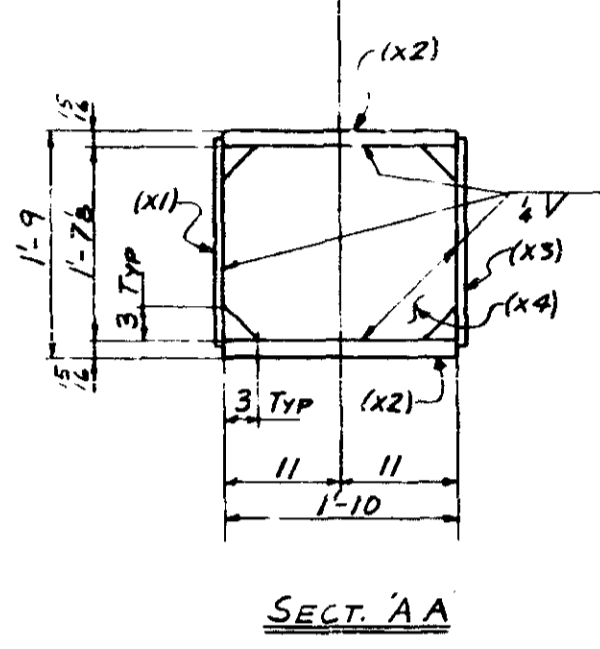
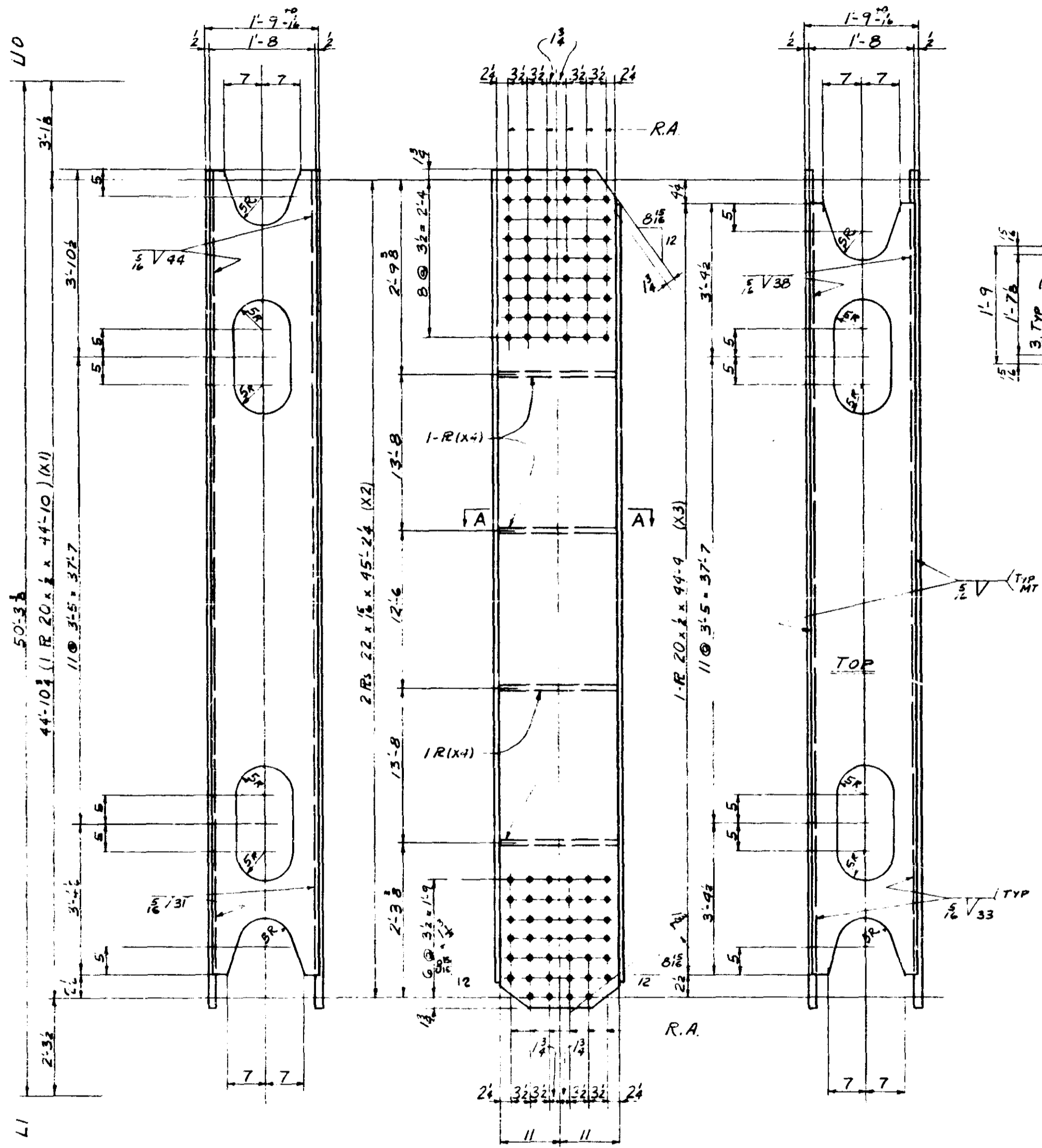
LINE	SHIP MK	NO REQD	SHAPE	LENGTH	PC MK	REMARKS	ITEM NO	TOTAL WEIGHT	MFRD
1									
2									
3									
4			ONE DIAGONAL	1004 LI-UOW		(22 x 41-8)			
5									
6	1		R 20 x 1/2	41 3/4	X1		2503	61	1404
7	2		R 22 x 1/2	41 8/16	X2		2502	60	5847
8	1		R 20 x 1/2	40 9/16	X3		2304	61	1387
9	4		R 19/16 x 8	1 10	X4		2308	59	179
10									
11	1		1/4 FW	19 6					NC
12	1		1/8 FW	188 6					NC
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**ALLIED** STRUCTURAL STEEL COMPANY  
 ENGINEERS FABRICATORS ERECTORS  
 1122 10TH STREET, HARBOR, INDIANA 46340

MINN. PROJ. No. I-G 35W-3(5B)112  
 STATE PROJ. No. 285-9340(TH 35W-394)  
 HAMMOND FAB  
 OPEN HOLES 1/16" RIVETS & BOLTS PAINT YES SEE SHT GNI  
 DRAWN BY M.J.P. DATE 2-4-66 CHECKED BY H.M.H. DATE 2-25-66

DETAILS OF TRUSS DIAGONAL  
 STRUCTURE BRIDGE No. 9340  
 LOCATION MINNEAPOLIS MINNESOTA  
 OWNER MINN STATE HWY DEPT.  
 CUSTOMER MINN STATE HWY DEPT.

Div 10	REVISIONS	△	△	△	△	CONTRACT	3142	FABCOD	214	SHEET	1004
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SHOP NOTE  
 FOR GEN NOTES SEE GNI  
 FOR MATL SPECS SEE BILL OF MATL  
 FOR INSPECTION OF WELD SEE NOTE SHI, GNI

ONE DIAGONAL 1005 LI-UOE

LINE NO.	QTY	NO. REQD.	SHAPE	LENGTH	PC. MK.	REMARKS	ITEM NO.	TOTAL WEIGHT	MHD
1									
2									
3									
4	ONE		DIAGONAL	1005 LI-UOE			(22 x 450)		
5									
6	1		R 20x2	44.10	X1		2306 61 1524	3310	
7	2		R 22x16	45.24	X2		2306 60 6338	3309	
8	1		R 20x2	44.9	X3		2307 61 1507	3310	
9	4		R 196x8	1.10	X4		2306 59 179	3306	
10									
11	1		1/2 FW	19.6					NC
12	1		1/4 FW	202.5					NC
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**ALLIED** STRUCTURAL STEEL COMPANY  
 ENGINEERS ARCHITECTS FABRICATORS ERECTORS  
 1225 15TH STREET S.W. MINNEAPOLIS, MINN. 55415

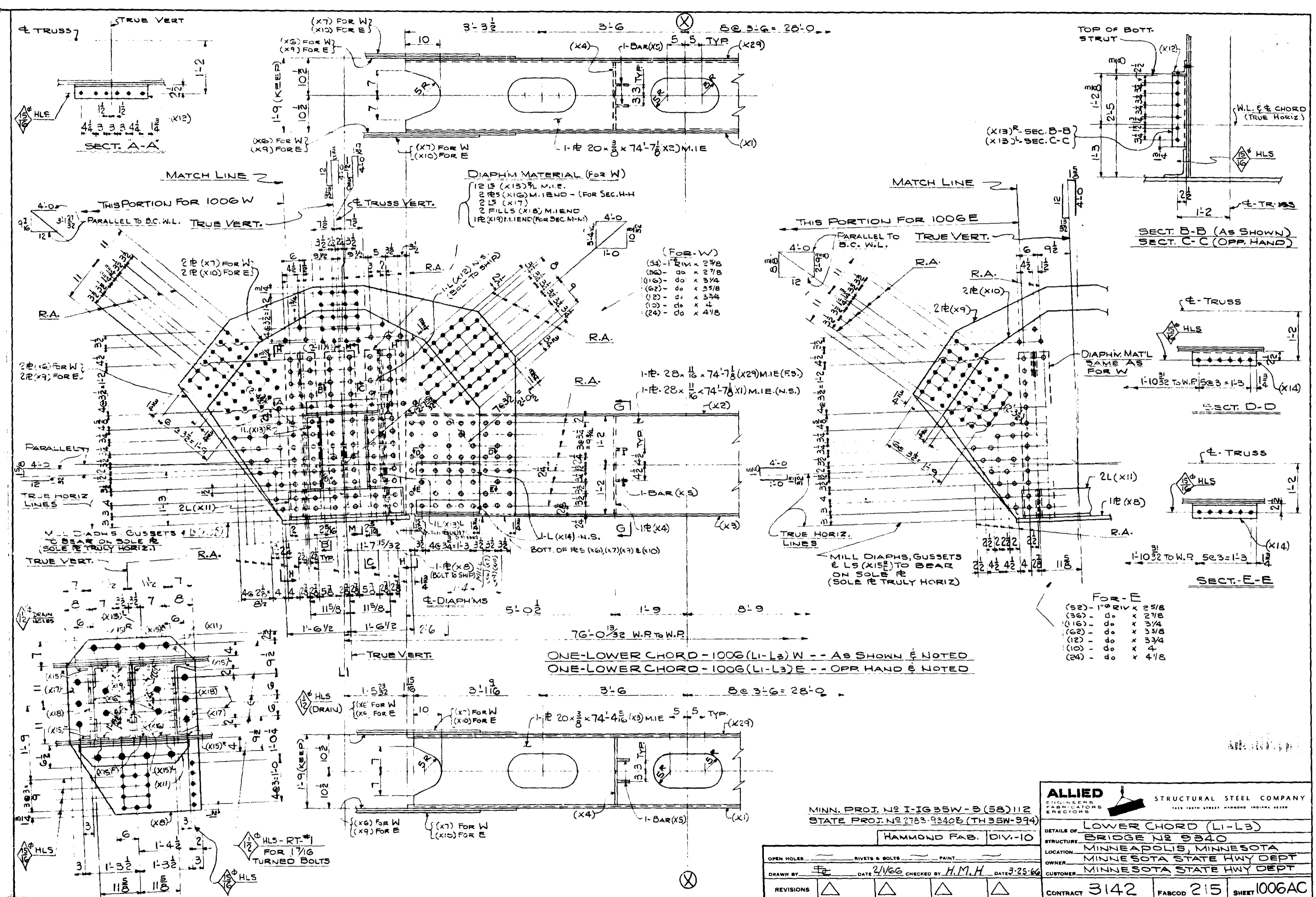
DETAILS OF: TRUSS DIAGONAL  
 STRUCTURE: BRIDGE No 9340  
 LOCATION: MINNEAPOLIS, MINNESOTA  
 OWNER: MINN STATE HWY DEPT  
 CUSTOMER: MINN STATE HWY DEPT

MINN. PROJ. No. I-G 35W-3 (58) 112  
 STATE PROJ. No. 2703-9340B (TH 35W-394)

OPEN HOLES: 1/4" RIVETS & BOLTS PAINT: YES SEE SHI, GNI

DRAWN BY: M.J.P. DATE: 1-8-62 CHECKED BY: H.M.H. DATE: 2-25-62

Div 10 REVISIONS: [ ] [ ] [ ] [ ] CONTRACT: 3142 FABCOD: 214 SHEET: 1005



DIAPHRM MATERIAL (FOR W)  
 12 L5 (X15) 1/2 M.I.E.  
 2 R5 (X16) M.I.E. END - (FOR SEC. H-H)  
 2 L5 (X17)  
 2 FILLS (X18) M.I.E. END  
 1 R5 (X19) M.I.E. END (FOR SEC. M-M)

(FOR W)  
 (34) - 1" RIV x 2 5/8  
 (36) - 0" x 2 7/8  
 (62) - 0" x 3 3/4  
 (12) - 0" x 3 5/8  
 (2) - 0" x 4  
 (24) - 0" x 4 1/8

MILL DIAPHS, GUSSETS & LS (X15) TO BEAR ON SOLE PL (SOLE PL TRULY HORIZ)

ONE LOWER CHORD - 1006 (LI-L3) W -- AS SHOWN & NOTED  
 ONE LOWER CHORD - 1006 (LI-L3) E -- OPP HAND & NOTED

FOR E  
 (52) - 1" RIV x 2 5/8  
 (36) - 0" x 2 7/8  
 (16) - 0" x 3 3/4  
 (12) - 0" x 3 5/8  
 (10) - 0" x 4  
 (24) - 0" x 4 1/8

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

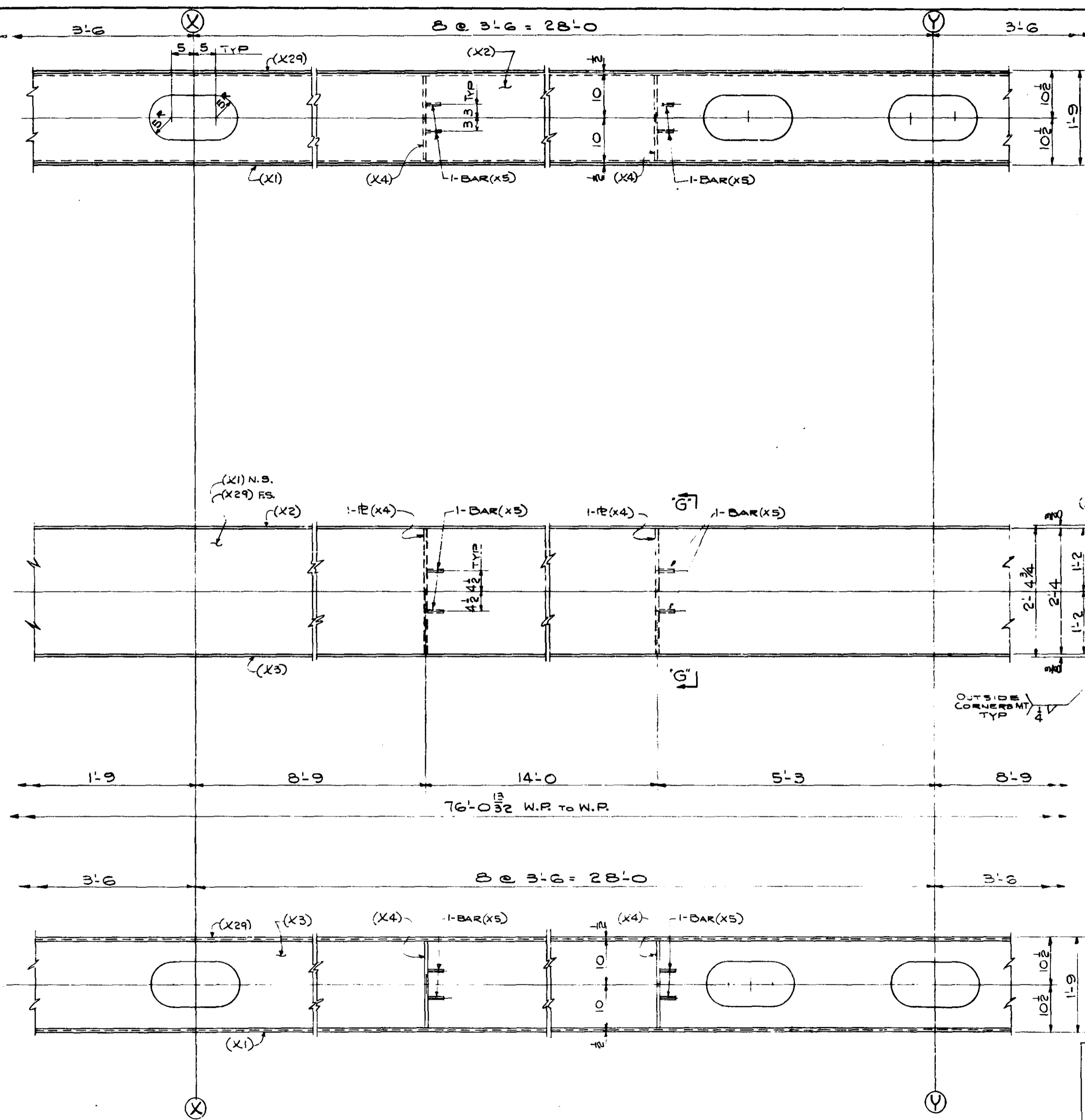
HAMMOND FAB. DIV. 10

OPEN HOLES	RIVETS & BOLTS	PAINT
DRAWN BY: <i>FC</i>	DATE: 2/1/66	CHECKED BY: <i>H.M.H.</i> DATE: 3-25-66
REVISIONS	△	△

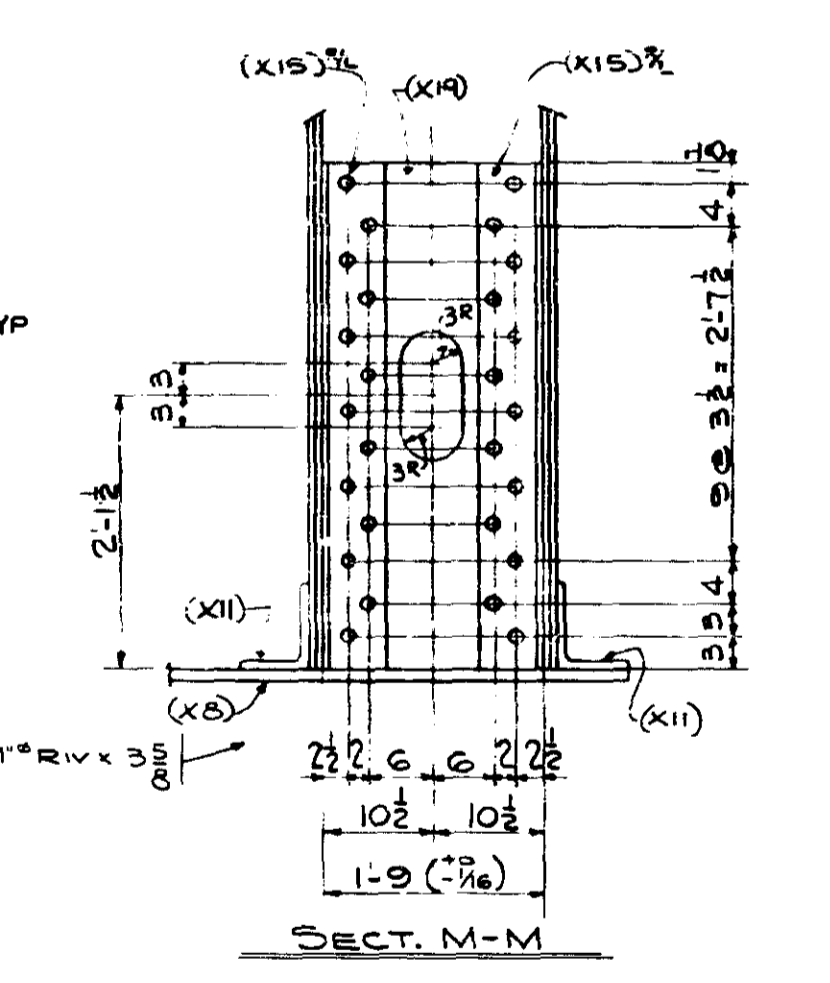
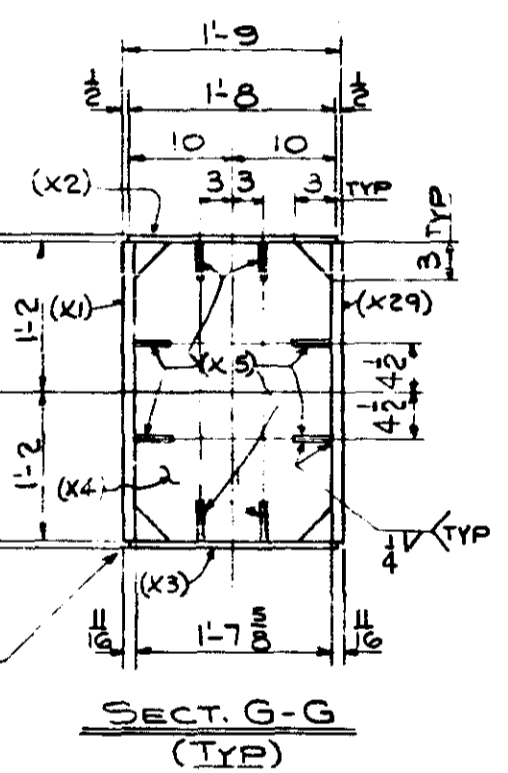
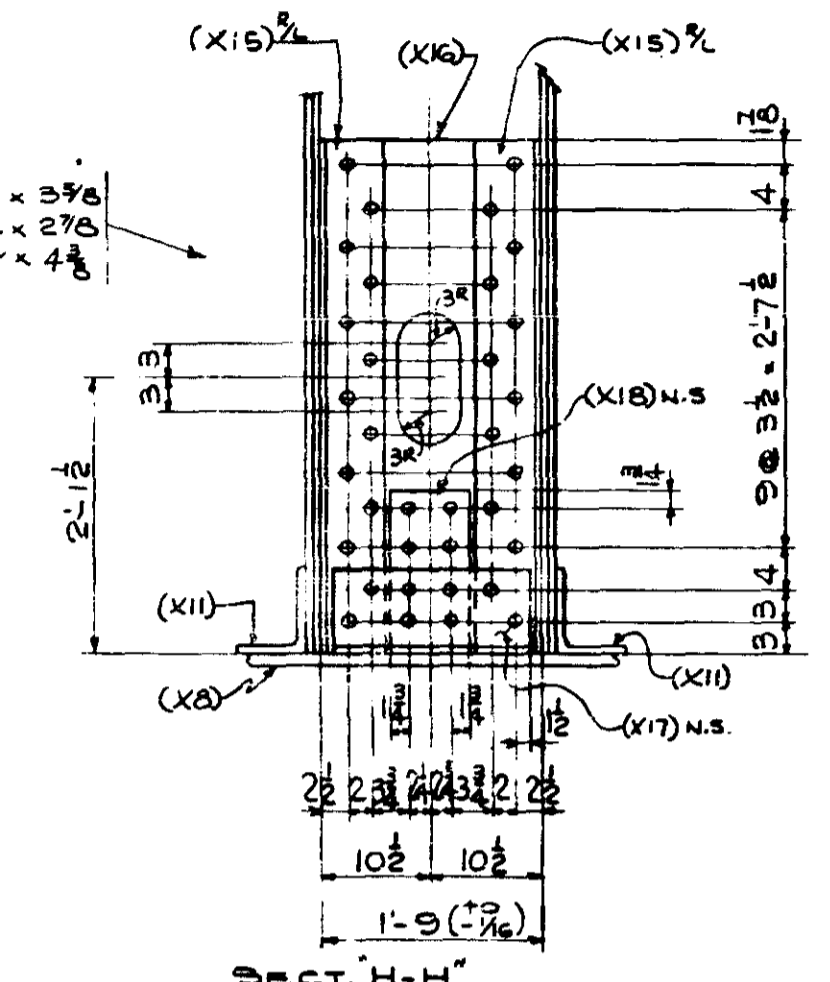
**ALLIED** STRUCTURAL STEEL COMPANY  
 ENGINEERS, FABRICATORS, ERECTORS  
 1815 JEFFERSON STREET, MINNEAPOLIS, MINN. 55402

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

CONTRACT 3142 FABCOD 215 SHEET 1006AC



- (44) 1" RIV x 3 5/8
- (8) 1" RIV x 2 7/8
- (6) 1" RIV x 4 3/8



MINN. PROJ. NO I-1635W-3(SB)112  
 STATE PROJ. NO 2133-93403 (TH35W-394)

**ALLIED** STRUCTURAL STEEL COMPANY  
 ENGINEERS  
 FABRICATORS  
 ERECTORS  
 1227 15TH STREET, HAMMOND, INDIANA 46320

REVISIONS	DRAWN BY <u>SP</u> DATE <u>2-7-66</u>	DETAILS OF <u>LOWER CHORD (L1-L3)</u>
	CHECKED BY <u>H.M.H.</u> DATE <u>3-25-66</u>	STRUCTURE <u>BRIDGE NO 9340</u>
	IN CHARGE OF <u>J. NEWELL</u>	LOCATION <u>MINNEAPOLIS, MINNESOTA</u>
	FAB PLANT <u>HAMMOND</u>	OWNER <u>MINNESOTA STATE HWY DEPT</u>
REFERENCE DWGS		
QU	CONTRACT <u>3142</u>	DIV. <u>10</u> FABCOD <u>215</u> SHEET <u>1006BC</u>