

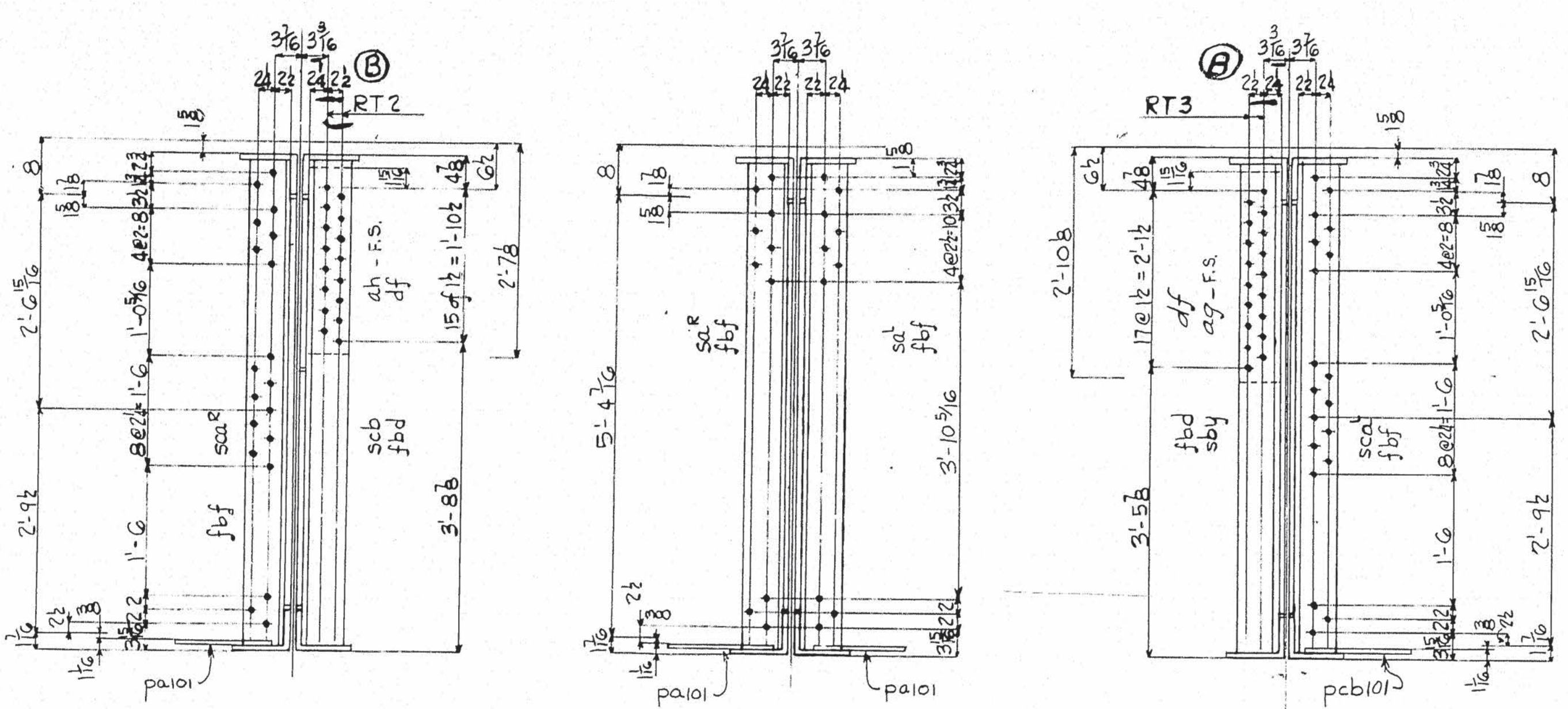
BOLTS	RIVETS	WELDS	OTHERS
1/2"	3/4"	1/4"	1/2"
3/8"	1/2"	3/16"	3/4"
1/4"	3/8"	1/8"	1"
5/16"	1/2"	3/16"	1 1/2"
3/8"	3/4"	1/4"	2"
1/2"	1"	3/8"	2 1/2"
5/8"	1 1/4"	1/2"	3"
3/4"	1 1/2"	5/8"	3 1/2"
7/8"	1 3/4"	3/4"	4"
1"	2"	7/8"	4 1/2"
1 1/8"	2 1/4"	1"	5"
1 1/4"	2 1/2"	1 1/8"	5 1/2"
1 1/2"	2 3/4"	1 1/4"	6"
1 3/4"	3"	1 1/2"	6 1/2"
2"	3 1/4"	1 3/4"	7"
2 1/4"	3 1/2"	2"	7 1/2"
2 1/2"	3 3/4"	2 1/4"	8"
2 3/4"	4"	2 1/2"	8 1/2"
3"	4 1/4"	2 3/4"	9"
3 1/4"	4 1/2"	3"	9 1/2"
3 1/2"	4 3/4"	3 1/4"	10"
3 3/4"	5"	3 1/2"	10 1/2"
4"	5 1/4"	3 3/4"	11"
4 1/4"	5 1/2"	4"	11 1/2"
4 1/2"	5 3/4"	4 1/4"	12"
4 3/4"	6"	4 1/2"	12 1/2"
5"	6 1/4"	4 3/4"	13"
5 1/4"	6 1/2"	5"	13 1/2"
5 1/2"	6 3/4"	5 1/4"	14"
5 3/4"	7"	5 1/2"	14 1/2"
6"	7 1/4"	5 3/4"	15"
6 1/4"	7 1/2"	6"	15 1/2"
6 1/2"	7 3/4"	6 1/4"	16"
6 3/4"	8"	6 1/2"	16 1/2"
7"	8 1/4"	6 3/4"	17"
7 1/4"	8 1/2"	7"	17 1/2"
7 1/2"	8 3/4"	7 1/4"	18"
7 3/4"	9"	7 1/2"	18 1/2"
8"	9 1/4"	7 3/4"	19"
8 1/4"	9 1/2"	8"	19 1/2"
8 1/2"	9 3/4"	8 1/4"	20"
8 3/4"	10"	8 1/2"	20 1/2"
9"	10 1/4"	8 3/4"	21"
9 1/4"	10 1/2"	9"	21 1/2"
9 1/2"	10 3/4"	9 1/4"	22"
9 3/4"	11"	9 1/2"	22 1/2"
10"	11 1/4"	9 3/4"	23"
10 1/4"	11 1/2"	10"	23 1/2"
10 1/2"	11 3/4"	10 1/4"	24"
10 3/4"	12"	10 1/2"	24 1/2"
11"	12 1/4"	10 3/4"	25"
11 1/4"	12 1/2"	11"	25 1/2"
11 1/2"	12 3/4"	11 1/4"	26"
11 3/4"	13"	11 1/2"	26 1/2"
12"	13 1/4"	11 3/4"	27"
12 1/4"	13 1/2"	12"	27 1/2"
12 1/2"	13 3/4"	12 1/4"	28"
12 3/4"	14"	12 1/2"	28 1/2"
13"	14 1/4"	12 3/4"	29"
13 1/4"	14 1/2"	13"	29 1/2"
13 1/2"	14 3/4"	13 1/4"	30"
13 3/4"	15"	13 1/2"	30 1/2"
14"	15 1/4"	13 3/4"	31"
14 1/4"	15 1/2"	14"	31 1/2"
14 1/2"	15 3/4"	14 1/4"	32"
14 3/4"	16"	14 1/2"	32 1/2"
15"	16 1/4"	14 3/4"	33"
15 1/4"	16 1/2"	15"	33 1/2"
15 1/2"	16 3/4"	15 1/4"	34"
15 3/4"	17"	15 1/2"	34 1/2"
16"	17 1/4"	15 3/4"	35"
16 1/4"	17 1/2"	16"	35 1/2"
16 1/2"	17 3/4"	16 1/4"	36"
16 3/4"	18"	16 1/2"	36 1/2"
17"	18 1/4"	16 3/4"	37"
17 1/4"	18 1/2"	17"	37 1/2"
17 1/2"	18 3/4"	17 1/4"	38"
17 3/4"	19"	17 1/2"	38 1/2"
18"	19 1/4"	17 3/4"	39"
18 1/4"	19 1/2"	18"	39 1/2"
18 1/2"	19 3/4"	18 1/4"	40"
18 3/4"	20"	18 1/2"	40 1/2"
19"	20 1/4"	18 3/4"	41"
19 1/4"	20 1/2"	19"	41 1/2"
19 1/2"	20 3/4"	19 1/4"	42"
19 3/4"	21"	19 1/2"	42 1/2"
20"	21 1/4"	19 3/4"	43"
20 1/4"	21 1/2"	20"	43 1/2"
20 1/2"	21 3/4"	20 1/4"	44"
20 3/4"	22"	20 1/2"	44 1/2"
21"	22 1/4"	20 3/4"	45"
21 1/4"	22 1/2"	21"	45 1/2"
21 1/2"	22 3/4"	21 1/4"	46"
21 3/4"	23"	21 1/2"	46 1/2"
22"	23 1/4"	21 3/4"	47"
22 1/4"	23 1/2"	22"	47 1/2"
22 1/2"	23 3/4"	22 1/4"	48"
22 3/4"	24"	22 1/2"	48 1/2"
23"	24 1/4"	22 3/4"	49"
23 1/4"	24 1/2"	23"	49 1/2"
23 1/2"	24 3/4"	23 1/4"	50"
23 3/4"	25"	23 1/2"	50 1/2"
24"	25 1/4"	23 3/4"	51"
24 1/4"	25 1/2"	24"	51 1/2"
24 1/2"	25 3/4"	24 1/4"	52"
24 3/4"	26"	24 1/2"	52 1/2"
25"	26 1/4"	24 3/4"	53"
25 1/4"	26 1/2"	25"	53 1/2"
25 1/2"	26 3/4"	25 1/4"	54"
25 3/4"	27"	25 1/2"	54 1/2"
26"	27 1/4"	25 3/4"	55"
26 1/4"	27 1/2"	26"	55 1/2"
26 1/2"	27 3/4"	26 1/4"	56"
26 3/4"	28"	26 1/2"	56 1/2"
27"	28 1/4"	26 3/4"	57"
27 1/4"	28 1/2"	27"	57 1/2"
27 1/2"	28 3/4"	27 1/4"	58"
27 3/4"	29"	27 1/2"	58 1/2"
28"	29 1/4"	27 3/4"	59"
28 1/4"	29 1/2"	28"	59 1/2"
28 1/2"	29 3/4"	28 1/4"	60"
28 3/4"	30"	28 1/2"	60 1/2"
29"	30 1/4"	28 3/4"	61"
29 1/4"	30 1/2"	29"	61 1/2"
29 1/2"	30 3/4"	29 1/4"	62"
29 3/4"	31"	29 1/2"	62 1/2"
30"	31 1/4"	29 3/4"	63"
30 1/4"	31 1/2"	30"	63 1/2"
30 1/2"	31 3/4"	30 1/4"	64"
30 3/4"	32"	30 1/2"	64 1/2"
31"	32 1/4"	30 3/4"	65"
31 1/4"	32 1/2"	31"	65 1/2"
31 1/2"	32 3/4"	31 1/4"	66"
31 3/4"	33"	31 1/2"	66 1/2"
32"	33 1/4"	31 3/4"	67"
32 1/4"	33 1/2"	32"	67 1/2"
32 1/2"	33 3/4"	32 1/4"	68"
32 3/4"	34"	32 1/2"	68 1/2"
33"	34 1/4"	32 3/4"	69"
33 1/4"	34 1/2"	33"	69 1/2"
33 1/2"	34 3/4"	33 1/4"	70"
33 3/4"	35"	33 1/2"	70 1/2"
34"	35 1/4"	33 3/4"	71"
34 1/4"	35 1/2"	34"	71 1/2"
34 1/2"	35 3/4"	34 1/4"	72"
34 3/4"	36"	34 1/2"	72 1/2"
35"	36 1/4"	34 3/4"	73"
35 1/4"	36 1/2"	35"	73 1/2"
35 1/2"	36 3/4"	35 1/4"	74"
35 3/4"	37"	35 1/2"	74 1/2"
36"	37 1/4"	35 3/4"	75"
36 1/4"	37 1/2"	36"	75 1/2"
36 1/2"	37 3/4"	36 1/4"	76"
36 3/4"	38"	36 1/2"	76 1/2"
37"	38 1/4"	36 3/4"	77"
37 1/4"	38 1/2"	37"	77 1/2"
37 1/2"	38 3/4"	37 1/4"	78"
37 3/4"	39"	37 1/2"	78 1/2"
38"	39 1/4"	37 3/4"	79"
38 1/4"	39 1/2"	38"	79 1/2"
38 1/2"	39 3/4"	38 1/4"	80"
38 3/4"	40"	38 1/2"	80 1/2"
39"	40 1/4"	38 3/4"	81"
39 1/4"	40 1/2"	39"	81 1/2"
39 1/2"	40 3/4"	39 1/4"	82"
39 3/4"	41"	39 1/2"	82 1/2"
40"	41 1/4"	39 3/4"	83"
40 1/4"	41 1/2"	40"	83 1/2"
40 1/2"	41 3/4"	40 1/4"	84"
40 3/4"	42"	40 1/2"	84 1/2"
41"	42 1/4"	40 3/4"	85"
41 1/4"	42 1/2"	41"	85 1/2"
41 1/2"	42 3/4"	41 1/4"	86"
41 3/4"	43"	41 1/2"	86 1/2"
42"	43 1/4"	41 3/4"	87"
42 1/4"	43 1/2"	42"	87 1/2"
42 1/2"	43 3/4"	42 1/4"	88"
42 3/4"	44"	42 1/2"	88 1/2"
43"	44 1/4"	42 3/4"	89"
43 1/4"	44 1/2"	43"	89 1/2"
43 1/2"	44 3/4"	43 1/4"	90"
43 3/4"	45"	43 1/2"	90 1/2"
44"	45 1/4"	43 3/4"	91"
44 1/4"	45 1/2"	44"	91 1/2"
44 1/2"	45 3/4"	44 1/4"	92"
44 3/4"	46"	44 1/2"	92 1/2"
45"	46 1/4"	44 3/4"	93"
45 1/4"	46 1/2"	45"	93 1/2"
45 1/2"	46 3/4"	45 1/4"	94"
45 3/4"	47"	45 1/2"	94 1/2"
46"	47 1/4"	45 3/4"	95"
46 1/4"	47 1/2"	46"	95 1/2"
46 1/2"	47 3/4"	46 1/4"	96"
46 3/4"	48"	46 1/2"	96 1/2"
47"	48 1/4"	46 3/4"	97"
47 1/4"	48 1/2"	47"	97 1/2"
47 1/2"	48 3/4"	47 1/4"	98"
47 3/4"	49"	47 1/2"	98 1/2"
48"	49 1/4"	47 3/4"	99"
48 1/4"	49 1/2"	48"	99 1/2"
48 1/2"	49 3/4"	48 1/4"	100"
48 3/4"	50"	48 1/2"	100 1/2"
49"	50 1/4"	48 3/4"	101"
49 1/4"	50 1/2"	49"	101 1/2"
49 1/2"	50 3/4"	49 1/4"	102"
49 3/4"	51"	49 1/2"	102 1/2"
50"	51 1/4"	49 3/4"	103"
50 1/4"	51 1/2"	50"	103 1/2"
50 1/2"	51 3/4"	50 1/4"	104"
50 3/4"	52"	50 1/2"	104 1/2"
51"	52 1/4"	50 3/4"	105"
51 1/4"	52 1/2"	51"	105 1/2"
51 1/2"	52 3/4"	51 1/4"	106"
51 3/4"	53"	51 1/2"	106 1/2"
52"	53 1/4"	51 3/4"	107"
52 1/4"	53 1/2"	52"	107 1/2"
52 1/2"	53 3/4"	52 1/4"	108"
52 3/4"	54"	52 1/2"	108 1/2"
53"	54 1/4"	52 3/4"	109"
53 1/4"	54 1/2"	53"	109 1/2"
53 1/2"	54 3/4"	53 1/4"	110"
53 3/4"	55"	53 1/2"	110 1/2"
54"	55 1/4"	53 3/4"	111"
54 1/4"	55 1/2"	54"	111 1/2"
54 1/2"	55 3/4"	54 1/4"	112"
54 3/4"	56"	54 1/2"	112 1/2"
55"	56 1/4"	54 3/4"	113"
55 1/4"	56 1/2"	55"	113 1/2"
55 1/2"	56 3/4"	55 1/4"	114"
55 3/4"	57"	55 1/2"	114 1/2"
56"	57 1/4"	55 3/4"	115"
56 1/4"	57 1/2"	56"	115 1/2"
56 1/2"	57 3/4"	56 1/4"	116"
56 3/4"	58"	56 1/2"	116 1/2"
57"	58 1/4"	56 3/4"	117"
57 1/4"	58 1/2"	57"	117 1/2"
57 1/2"	58 3/4"	57 1/4"	118"
57 3/4"	59"	57 1/2"	118 1/2"
58"	59 1/4"	57 3/4"	119"
58 1/4"	59 1/2"	58"	119 1/2"
58 1/2"	59 3/4"	58 1/4"	120"
58 3/4"	60"	58 1/2"	120 1/2"
59"	60 1/4"	58 3/4"	121"
59 1/4"	60 1/2"	59"	121 1/2"
59 1/2"	60 3/4"	59 1/4"	122"
59 3/4"	61"	59 1/2"	122 1/2"
60"	61 1/4"	59 3/4"	123"
60 1/4"	61 1/2"	60"	123 1/2"
60 1/2"	61 3/4"	60 1/4"	124"
60 3/4"	62"	60 1/2"	124 1/2"
61"	62 1/4"	60 3/4"	125"
61 1/4"	62 1/2"	61"	125 1/2"
61 1/2"	62 3/4"	61 1/4"	126"
61 3/4"	63"	61 1/2"	126 1/2"
62"	63 1/4"	61 3/4"	127"
62 1/4"	63 1/2"	62"	127 1/2"
62 1/2"	63 3/4"	62 1/4"	128"
62 3/4"	64"	62 1/2"	128 1/2"
63"	64 1/4"	62 3/4"	129"
63 1/4"	64 1/2"	63"	129 1/2"
63 1/2"	64 3/4"	63 1/4"	130"
63 3/4"	65"	63 1/2"	130 1/2"
64"	65 1/4"	63 3/4"	131"
64 1/4"	65 1/2"	64"	131 1/2"
64 1/2"	65 3/4"	64 1/4"	132"
64 3/4"	66"	64 1/2"	132 1/2"
65"	66 1/4"	64 3/4"	133"
65 1/4"	66 1/2"	65"	133 1/2"
65 1/2"	66 3/4"	65 1/4"	134"
65 3/4"	67"	65 1/2"	134 1/2"
66"	67 1/4"	65 3/4"	135"
66 1/4"	67 1/2"	66"	135 1/2"
66 1/2"	67 3/4"	66 1/4"	136"
66 3/4"	68"	66 1/2"	136 1/2"
67"	68 1/4"	66 3/4"	137"
67 1/4"	68 1/2"	67"	137 1/2"

AMERICAN BRIDGE

UNITED STATES STEEL COMPANY

LINE	NO. OF PLATES	SHAPE	LENGTH	REMARKS	ORDERED	CALCULATED	LINE	NO. OF PLATES	SHAPE	LENGTH	REMARKS	ORDERED	CALCULATED
77	1	R	22 3/4	2 1/2	pbb101-G3A	21 5	1	60086	DNE	3948	Deduct		
78	1	R	22 3/4	2 1/2	pbb101-G3A	21 5	2	60496	DNE	3948			
79	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	3	ONE GIRDER-G3A, ONE GIRDER-G3A					
80	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	4	ONE GIRDER-G3A, ONE GIRDER-G3A					
81	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	5	ONE GIRDER-G3A, ONE GIRDER-G3A					
82	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	6	ONE GIRDER-G3A, ONE GIRDER-G3A					
83	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	7	ONE GIRDER-G3A, ONE GIRDER-G3A					
84	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	8	ONE GIRDER-G3A, ONE GIRDER-G3A					
85	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	9	ONE GIRDER-G3A, ONE GIRDER-G3A					
86	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	10	ONE GIRDER-G3A, ONE GIRDER-G3A					
87	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	11	ONE GIRDER-G3A, ONE GIRDER-G3A					
88	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	12	ONE GIRDER-G3A, ONE GIRDER-G3A					
89	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	13	ONE GIRDER-G3A, ONE GIRDER-G3A					
90	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	14	ONE GIRDER-G3A, ONE GIRDER-G3A					
91	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	15	ONE GIRDER-G3A, ONE GIRDER-G3A					
92	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	16	ONE GIRDER-G3A, ONE GIRDER-G3A					
93	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	17	ONE GIRDER-G3A, ONE GIRDER-G3A					
94	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	18	ONE GIRDER-G3A, ONE GIRDER-G3A					
95	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	19	ONE GIRDER-G3A, ONE GIRDER-G3A					
96	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	20	ONE GIRDER-G3A, ONE GIRDER-G3A					
97	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	21	ONE GIRDER-G3A, ONE GIRDER-G3A					
98	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	22	ONE GIRDER-G3A, ONE GIRDER-G3A					
99	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	23	ONE GIRDER-G3A, ONE GIRDER-G3A					
100	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	24	ONE GIRDER-G3A, ONE GIRDER-G3A					
101	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	25	ONE GIRDER-G3A, ONE GIRDER-G3A					
102	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	26	ONE GIRDER-G3A, ONE GIRDER-G3A					
103	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	27	ONE GIRDER-G3A, ONE GIRDER-G3A					
104	1	R	28 5/16	3 7/8	pbb101-G3A	28 5	28	ONE GIRDER-G3A, ONE GIRDER-G3A					

BILL CONTINUED-SHEET 101F

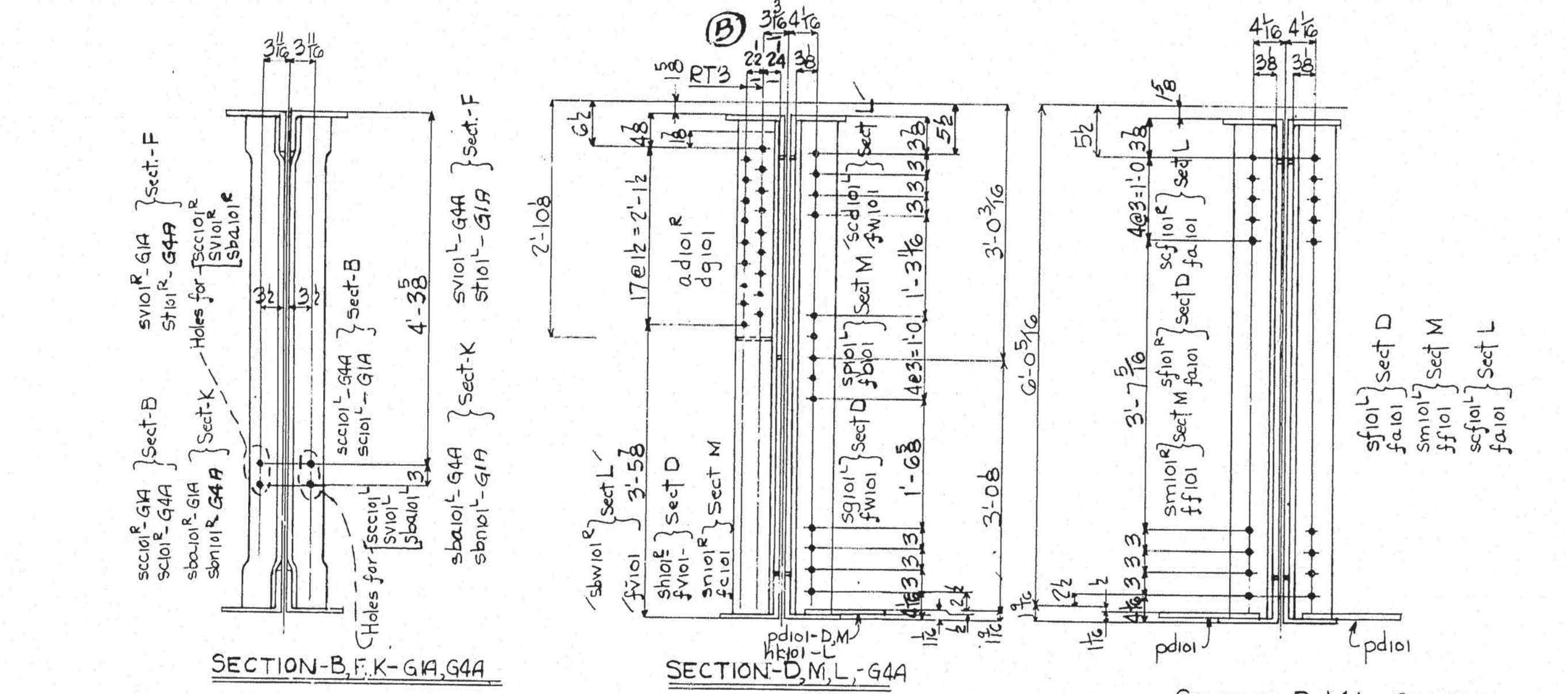


SECTION A-G1A

SECTION A-G2A, G3A

SECTION A-G4A

SECTION B-G3A

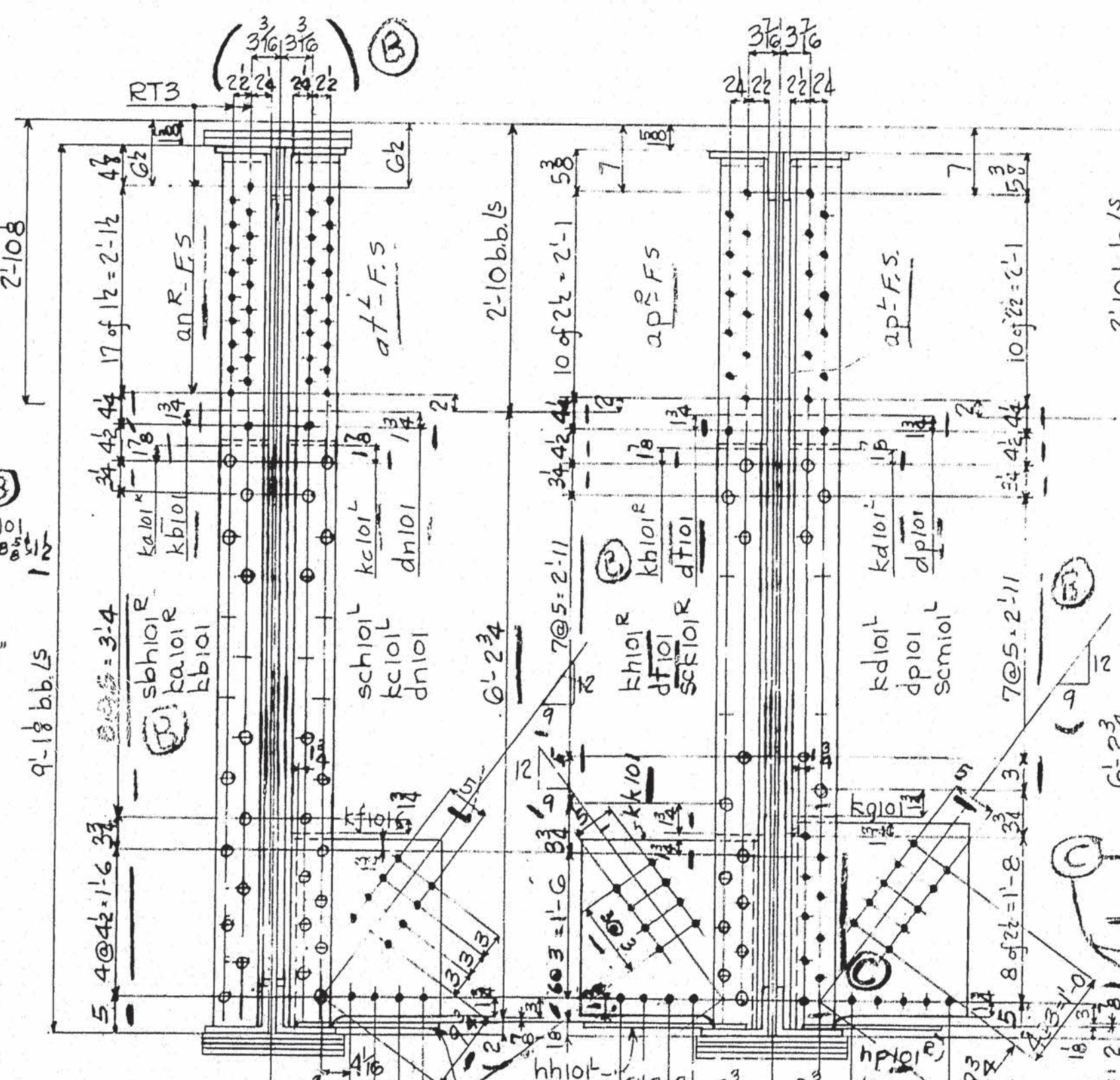


SECTION B-G1A

SECTION B-G2A, G3A

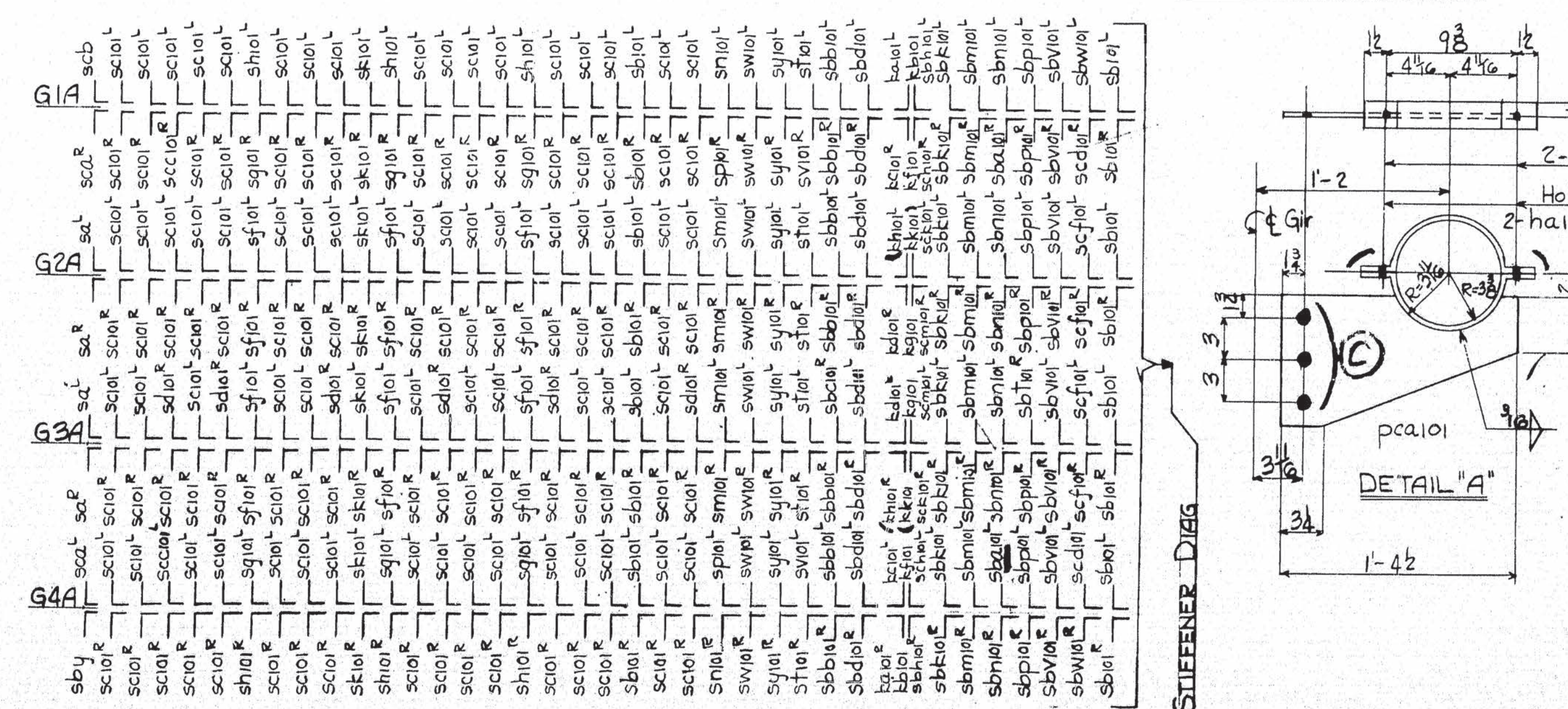
SECTION B-G4A

SECTION C-G3A



SECTION D-G3A

SECTION E-G3A



SECTION F-G3A

SECTION G-G3A

STATE OF MAINE
STATE HIGHWAY COMMISSION
BANGOR-BREWER BRIDGE
PENOBSCOT RIVER
BANGOR-MAINE

DRAWINGS MADE AT TRENTON, N.J.
 WORK FABRICATED AT AMERICAN BRIDGE PLANT
 IN CHARGE OF E.B. MARKS
 DRAWN BY W.J.P. DATE 7-22-53
 CHECKED BY FEL DATE 1-29-54
 ORDER NO. Q4150 SHEET NO. 101EF
 REVISIONS
 F 1-2-54
 D 1-2-54
 C 1-2-54
 B 1-2-54
 A 1-2-54

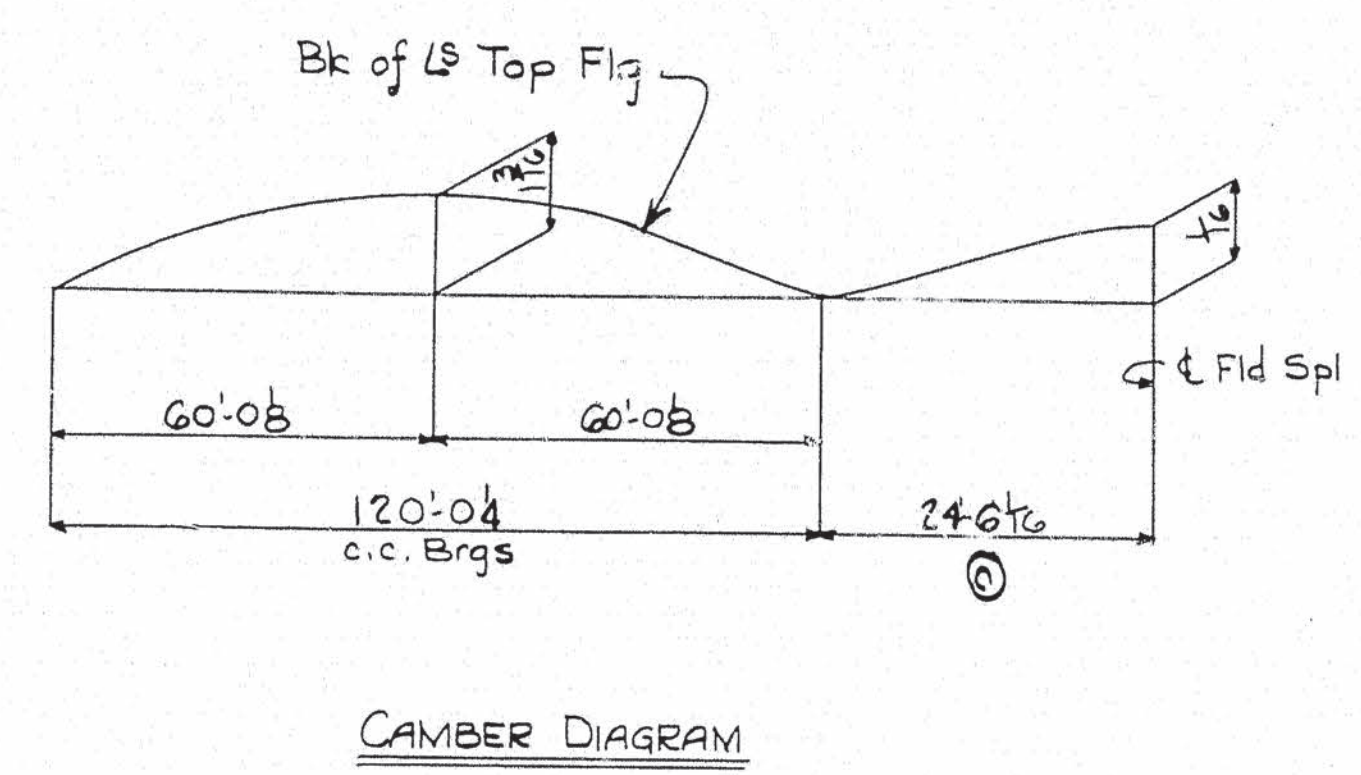
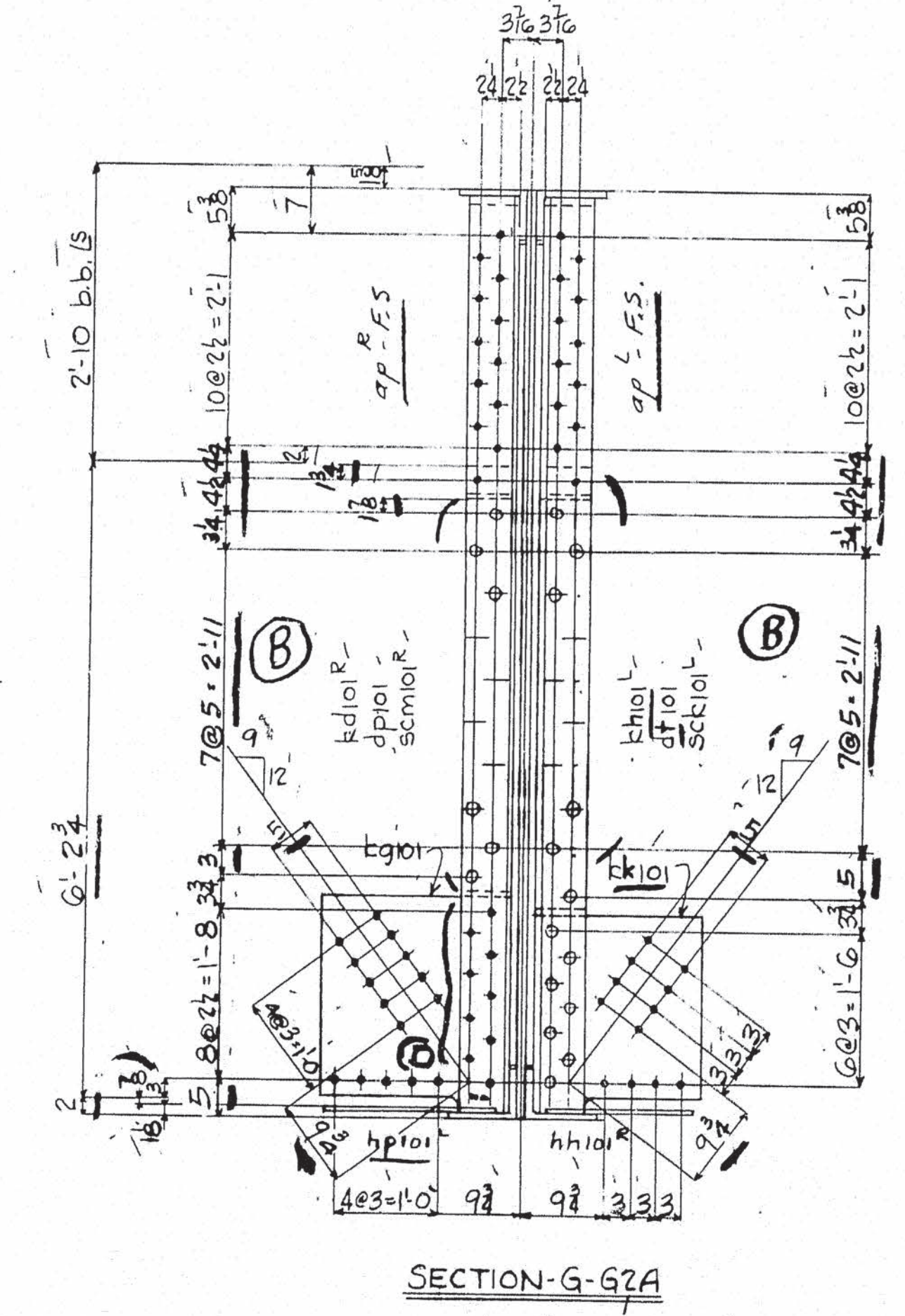
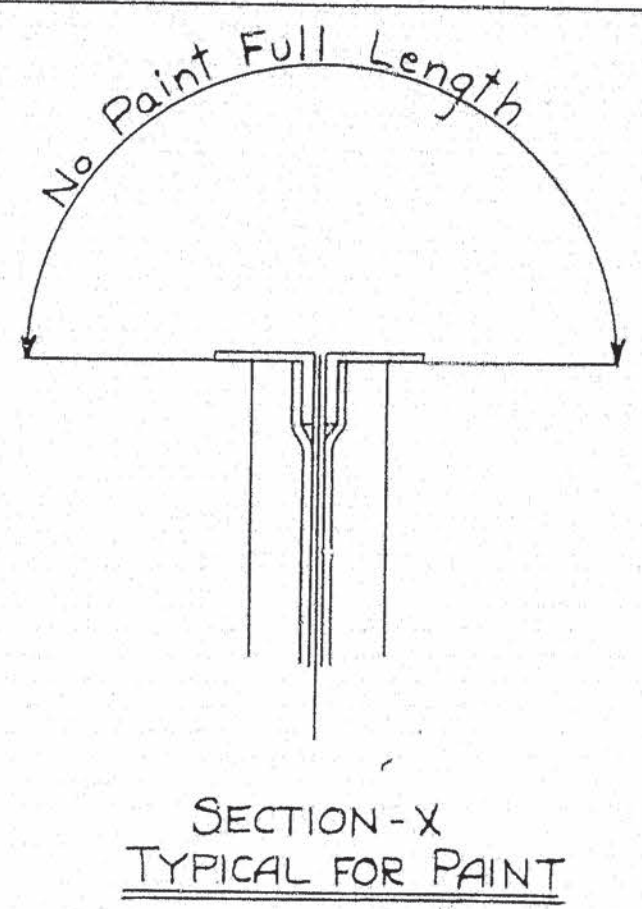
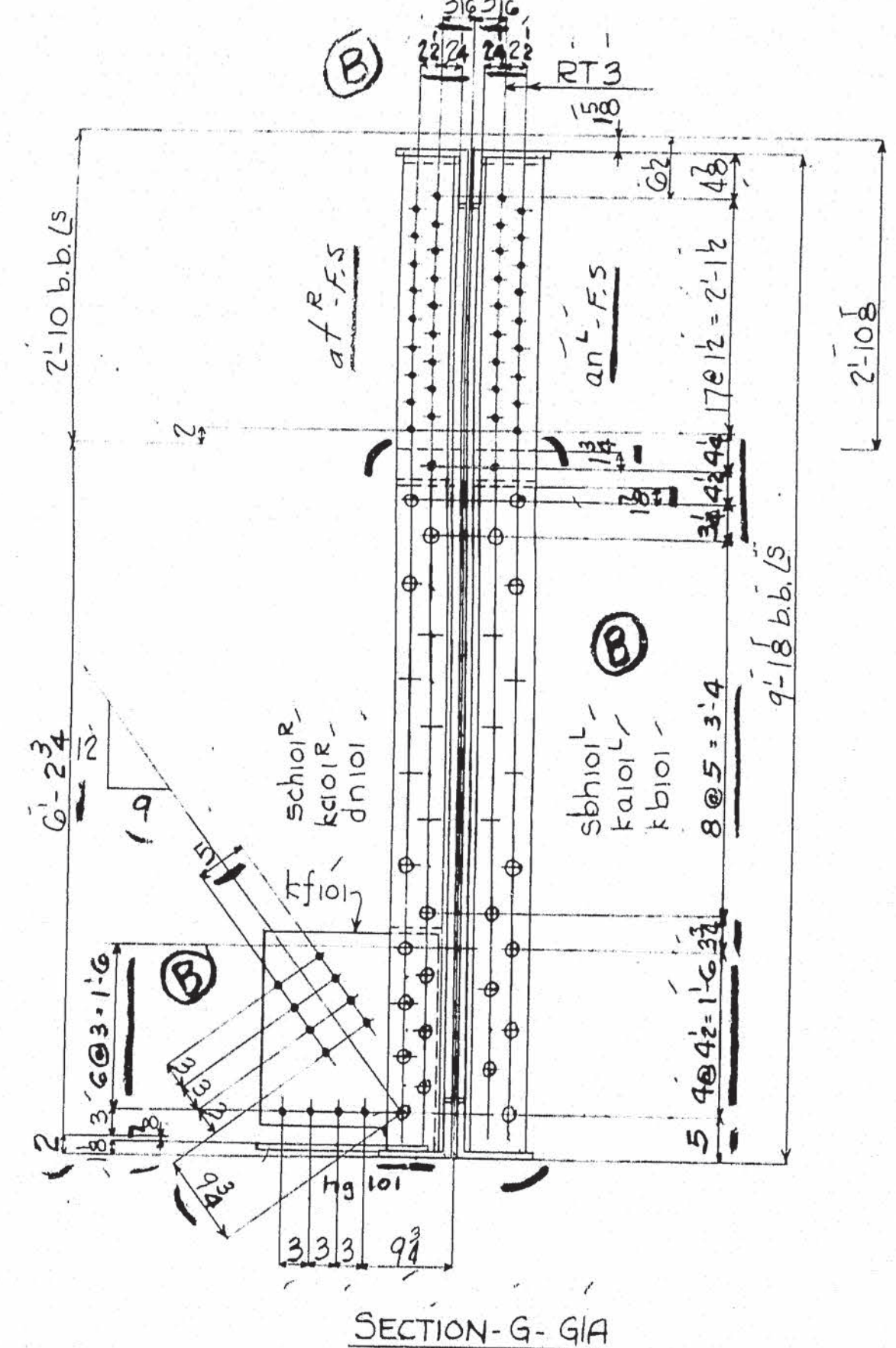
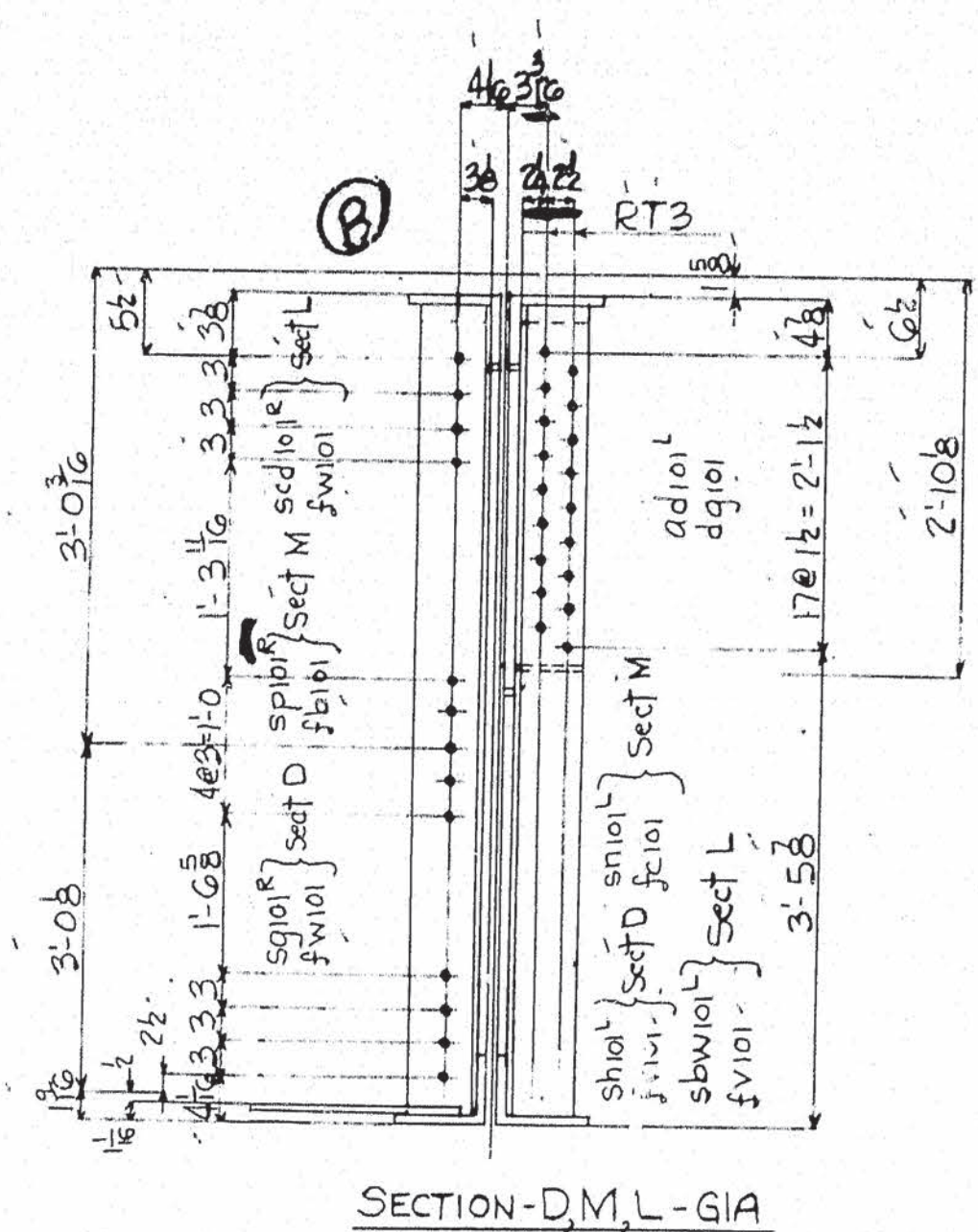
MI. 111

WELDING

62-170

AMERICAN BRIDGE COMPANY

LINE	ITEM	QTY	UNIT	SHAPE	SIZE	LENGTH	ASSEMBLY MARK	REMARKS	ORDERED	ITEM	QUANTITY	UNIT	WEIGHT	PRICE
1	4	108	ft	FP										
2	4	94	ft	FP										
3	4	101	ft	FP										
4	4	101	ft	FP										
5	4	101	ft	FP										
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91	4	101	ft	FP										
92	4	101	ft	FP										



NOTES

SPECIFICATIONS - Maine State Highway Commission 1945 and special Provisions.
MATERIAL - O.H. Steel A.S.T.M. A7-52T
RIVETS - 3/4" Holes - 1/2" Unless Noted
WORKMANSHIP - Holes in material thicker than the diameter of the rivet shall be drilled.
 Holes in main material, including holes at splices, in bearing stiffeners and splice plates to be subpunched or subdrilled 1/4" and reamed to size.
 Holes marked RT to be subpunched or subdrilled 1/4" and reamed to size to a metal template.
 Holes marked RA to be subpunched or subdrilled 1/4" and reamed to size while connecting members are assembled to cambered position. (See Sheet E102)
 Connecting members to be match marked.
 Fillers and splice plates under stiffeners to fit within 1/8" of flange angles.
 B.E. indicates bearing end of stiffeners.
PAINT - SHOP CONTACT SURFACES No. Yes, Except as shown in Section X

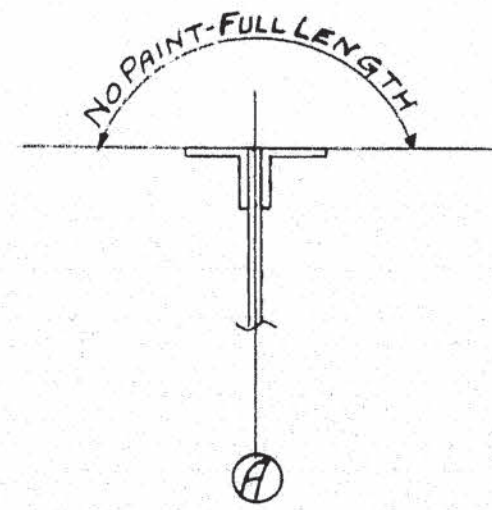
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68	1	22 1/2	2	OK				pc101G3A	14	S			34	
69	3	17 1/2	2	0				pd101G2A	6	S			31	
70	3	17 1/2	2	0				pd101G3A	6	S			31	
71	1	17 1/2	1	11 1/2				hb101G2A	10	S			26	
72	1	17 1/2	1	11 1/2				hb101G3A	10	S			26	
73	1	30 3/4	4	6	at curved			hb101G2A	56	S			118	
74	1	30 3/4	4	6	at curved			hb101G3A	56	S			118	
75	1	24 3/4	3	6	at curved			hb101G2A	29	S			79	
76	1	24 3/4	3	6	at curved			hb101G3A	29	S			79	
77	1	17 1/2	1	10				hb101G2A	10	S			24	
78	1	17 1/2	1	10				hb101G3A	10	S			24	
79	1	22 1/2	2	2	Finl			kg101G2A	6	S			65	
80	1	22 1/2	2	2	Finl			kg101G3A	6	S			65	
81								Paint	Others				242	
82								Paint	GIA				241	
83														
84														
85														
86														
87														
88														
89														
90														
91														
92														

SHEET 301 WORKS WITH THIS SHEET

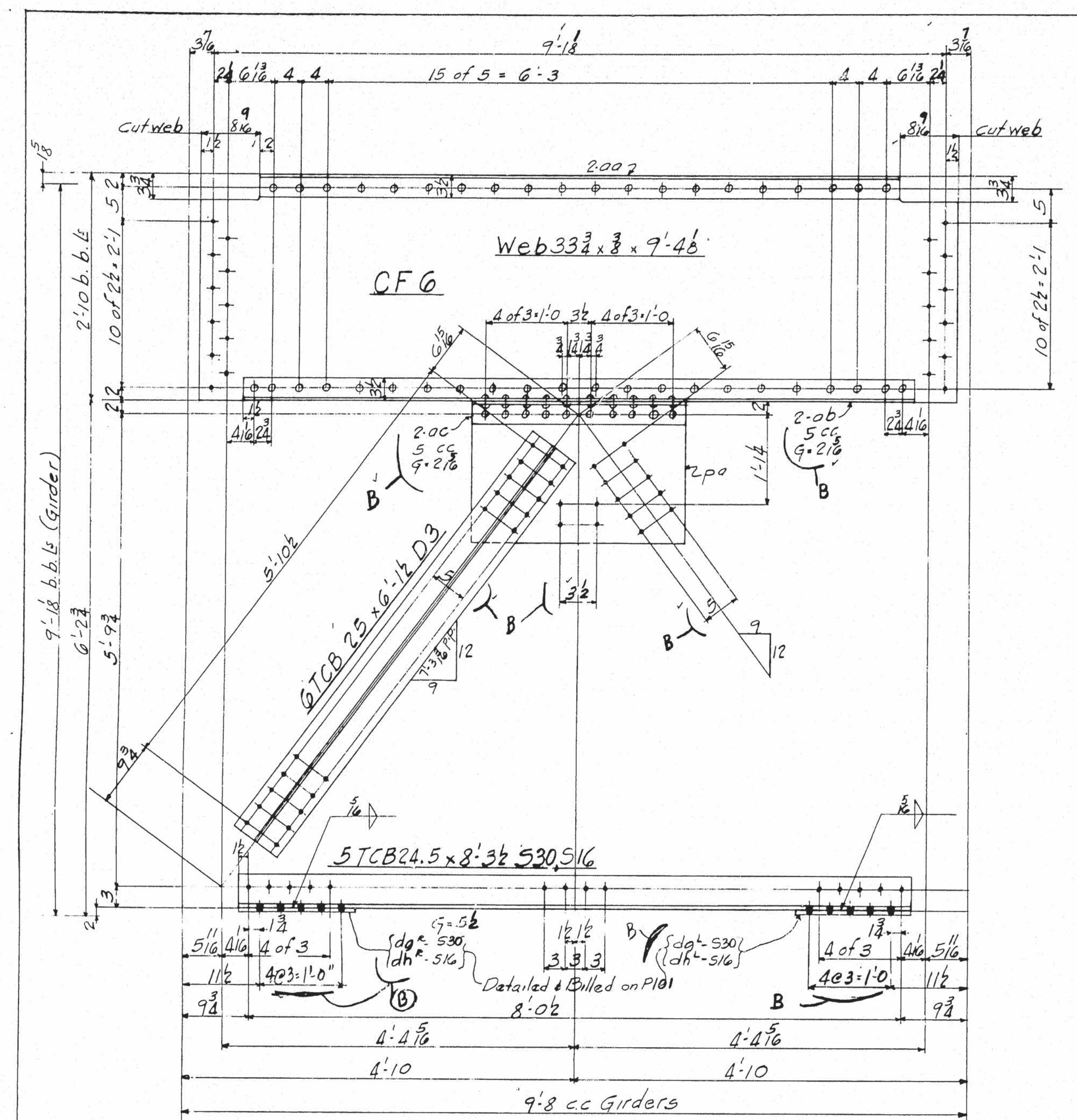
LIFTING WT=32 TONS G3 wld.
 STATE OF MAINE
 STATE HIGHWAY COMMISSION
 BANGOR-BREWER BRIDGE
 PENOBSCOT RIVER
 BANGOR, MAINE
 Sheet Total: 225125
 AMERICAN BRIDGE COMPANY
 DRAWINGS MADE AT TRENTON PLANT
 WORK FABRICATED AT AMBRIDGE PLANT
 IN CHARGE OF E.B. MARKS
 DRAW. MADE BY W.J.P. DATE 1-29-54
 DRAW. CHECKED BY F.E.L. DATE 1-29-54
 ORDER NO. 94150 SHEET NO. 101F
 MR. 104, 105, 106
 62-171

Detailed &
Billed on Sh. P10.

Mr. BM 101-102 Weld



LINE	ITEM	QTY	UNIT	REMARKS
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DIVISIONS									
LINE	ITEM	QTY	UNIT	REMARKS	ORDERED	ITEM	QTY	UNIT	REMARKS
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NOTES:
 Specifications: Maine State Highway Comm. 1945
 and Special Provisions
 Material: A. S. T. M. A7-52T
 Holes: 1/2"
 Rivets: 3/4"
 Paint: Yes
 Shop Contact Surfaces: No
 D (Spacing not given) = 3"

CROSS FRAMES
 STATE OF MAINE
 STATE HIGHWAY COMMISSION
 BANGOR-BREWER BRIDGE
 OVER PENOBSCOT RIVER
 BANGOR, MAINE
 AMERICAN BRIDGE
 DRAWINGS MADE AT TRENTON PLANT
 WORK FABRICATED AT AMERIDGE PLANT
 IN CHARGE OF E. B. MARKS
 DRAW. MADE BY J. R. C. DATE 9-10-53
 DRAW. CHECKED BY J. R. C. DATE 2-12-54
 ORDER No. Q4150 SHEET No. 104

DRAWING WITH BILL AMERICAN BRIDGE

UNITED STATES STEEL COMPANY

LINE	ITEM	QTY	UNIT	MATERIAL	LENGTH	ASSEMBLY MARK	REMARKS	ORDERED	CALCULATED
				SHAPE	Feet			ITEM	WEIGHT
1									
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67									

LATERAL BRACING

STATE OF MAINE
STATE HIGHWAY COMMISSION
BANGOR-BREWER BRIDGE
OVER PENOBSCOT RIVER
BANGOR, MAINE

AMERICAN BRIDGE

DRAWINGS MADE AT TRENTON PLANT

WORK FABRICATED AT AMBRIDGE PLANT

IN CHARGE OF E.B. MARKS

DRAW. MADE BY G.P.C. DATE 7-26-53

DRAW. CHECKED BY G.P.C. DATE 2-10-54

REVISIONS

ORDER NO. Q4150

SHEET NO. 105

PAINT: YES

Mr. M. 103

62-175

NOTES:

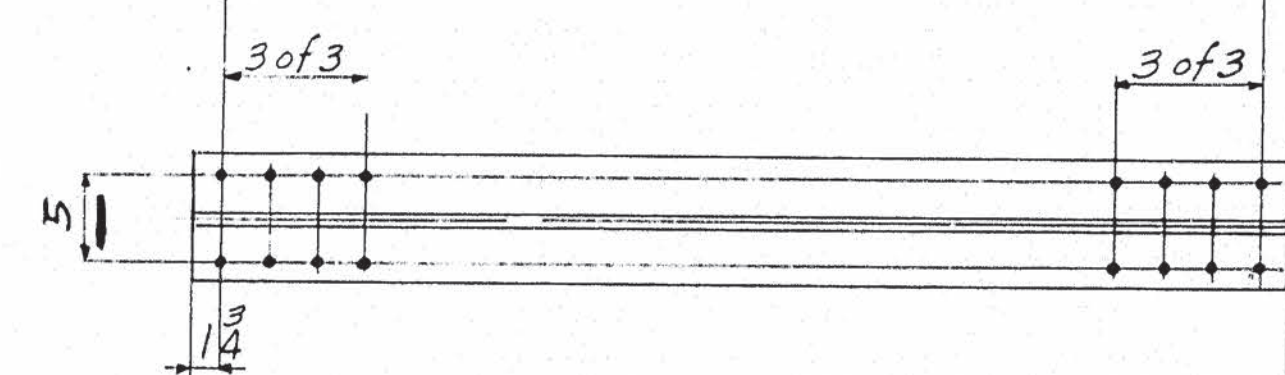
SPECIFICATIONS: MAINE STATE HIGHWAY
COMMISSION 1945 AND SPECIAL PROVISIONS

MATERIAL: O.H. STEEL A.S.T.M. A7-52T

HOLE: 1/2"

D6 12'-8 1/2"
D11 12'-0 3/8"
D12 12'-0 1/2"
D19 12'-4 1/6"

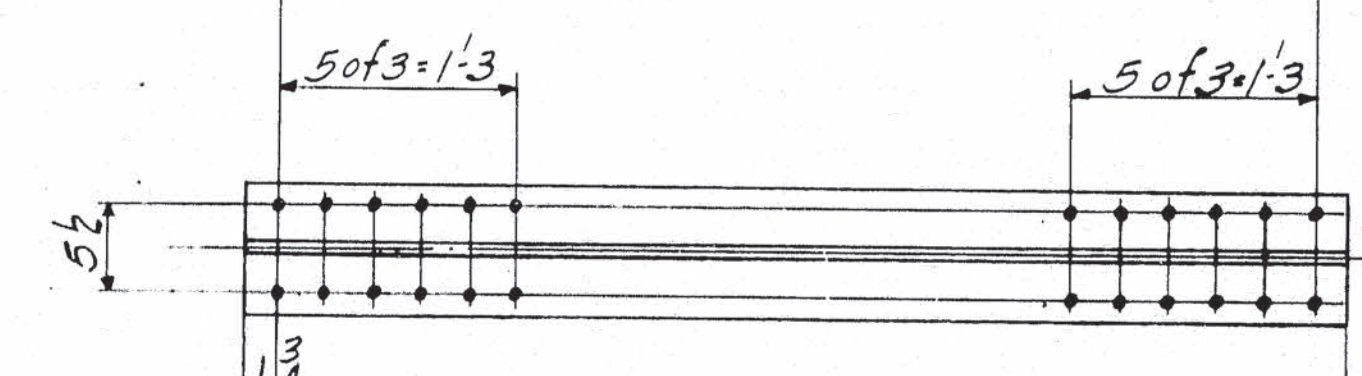
D6 1'-5 7/8" 9'-9 5/8" 1'-5 7/8"
D11 1'-4 3/8" 9'-3 3/8" 1'-4 3/8"
D12 1'-4 3/8" 9'-4 1/6" 1'-4 3/8"
D19 1'-4 1/6" 9'-6 7/16" 1'-4 1/6"



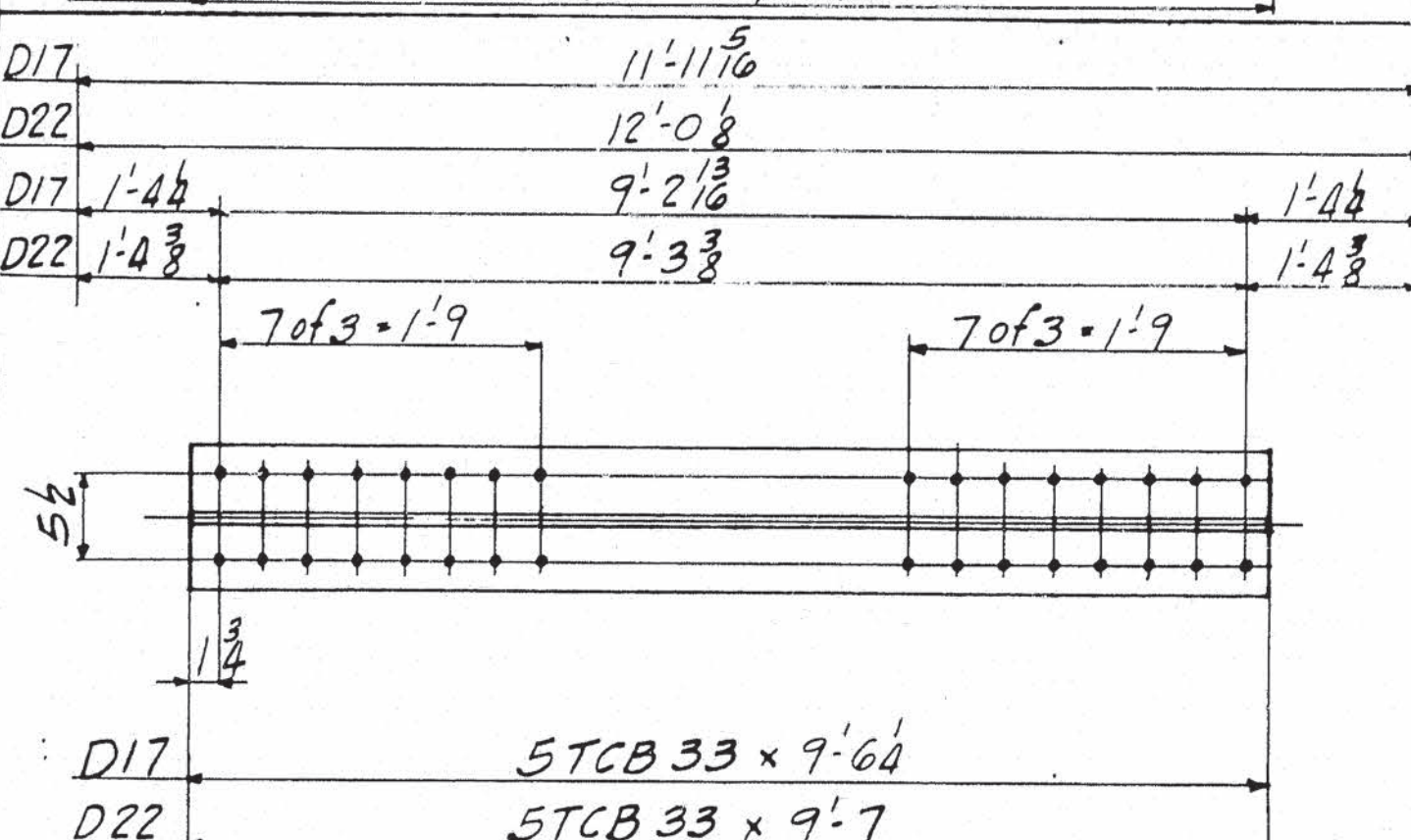
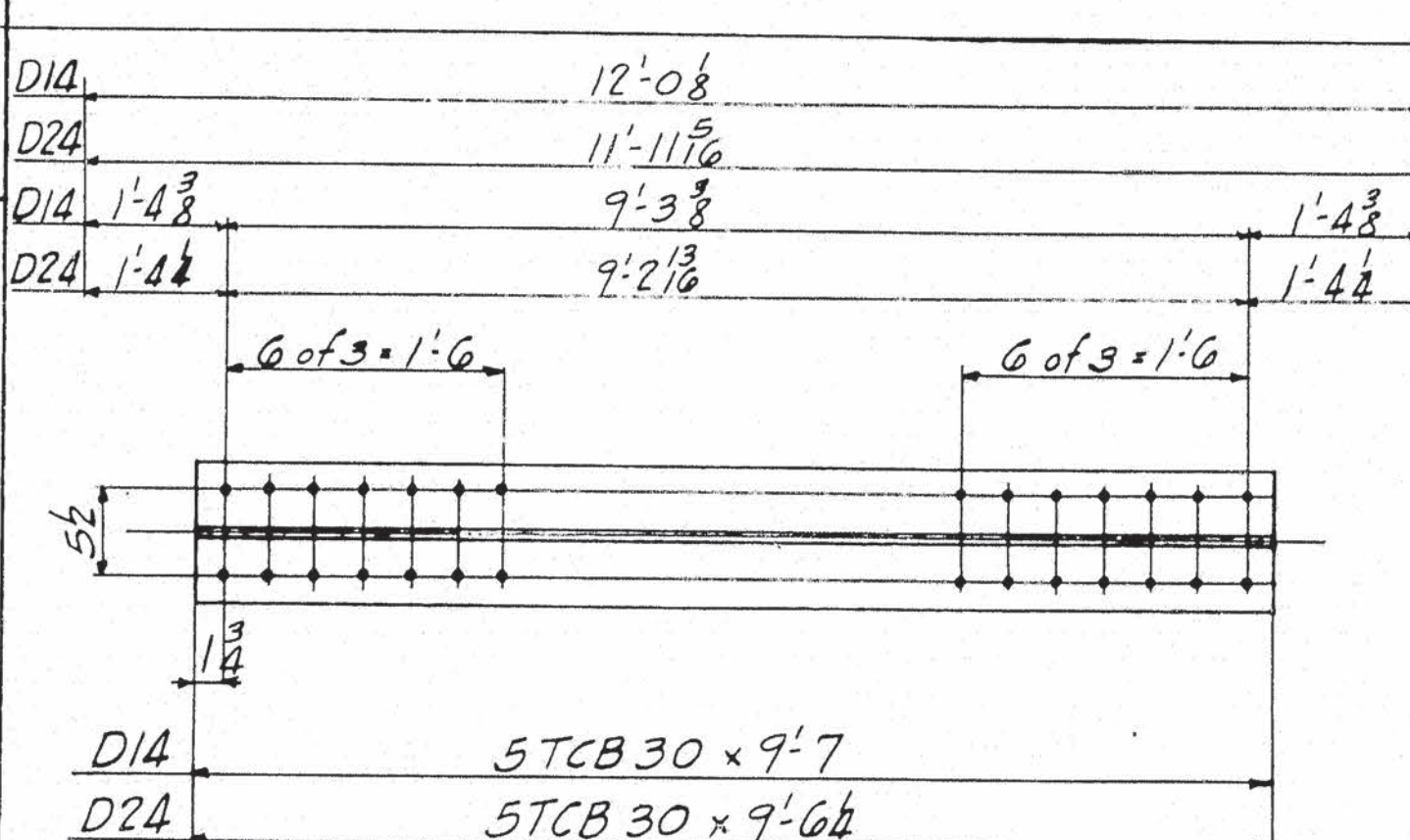
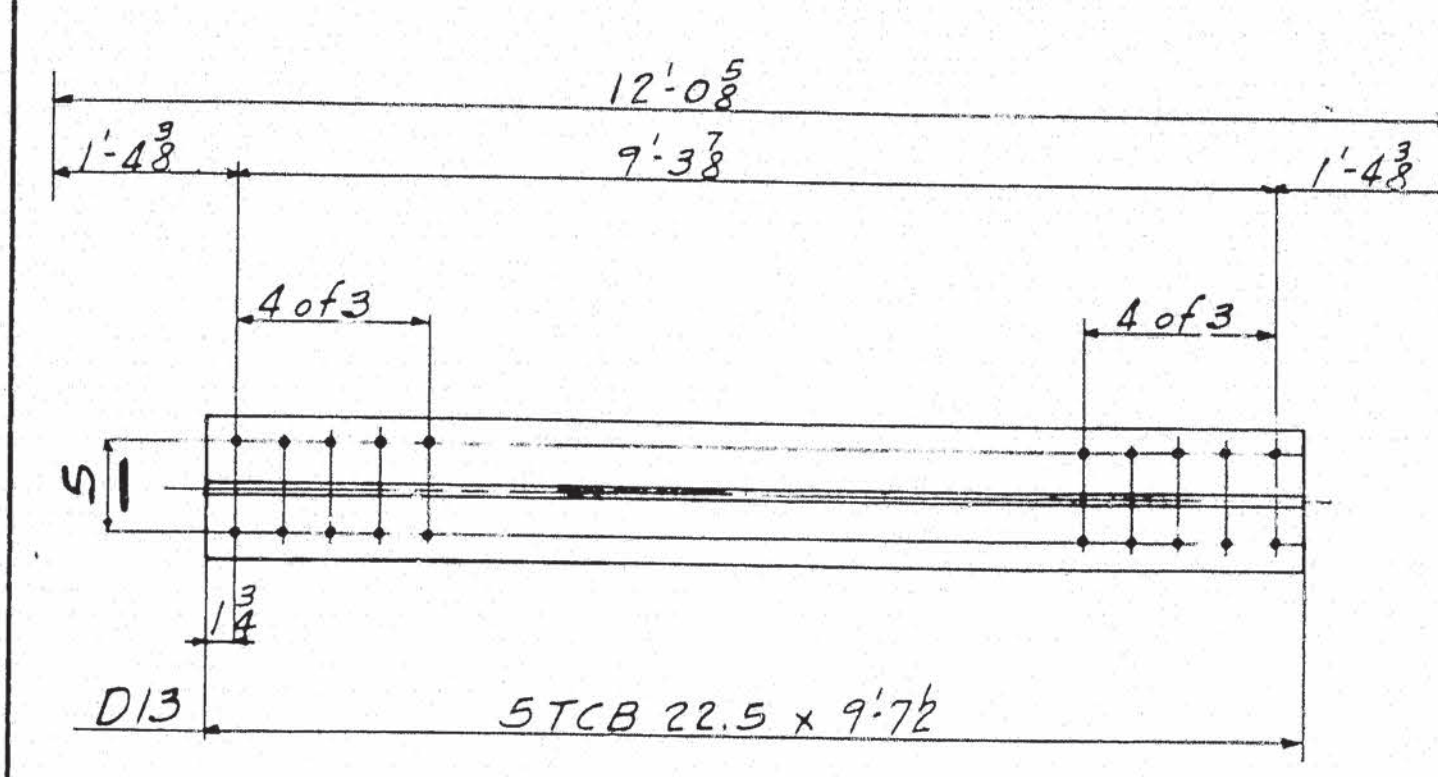
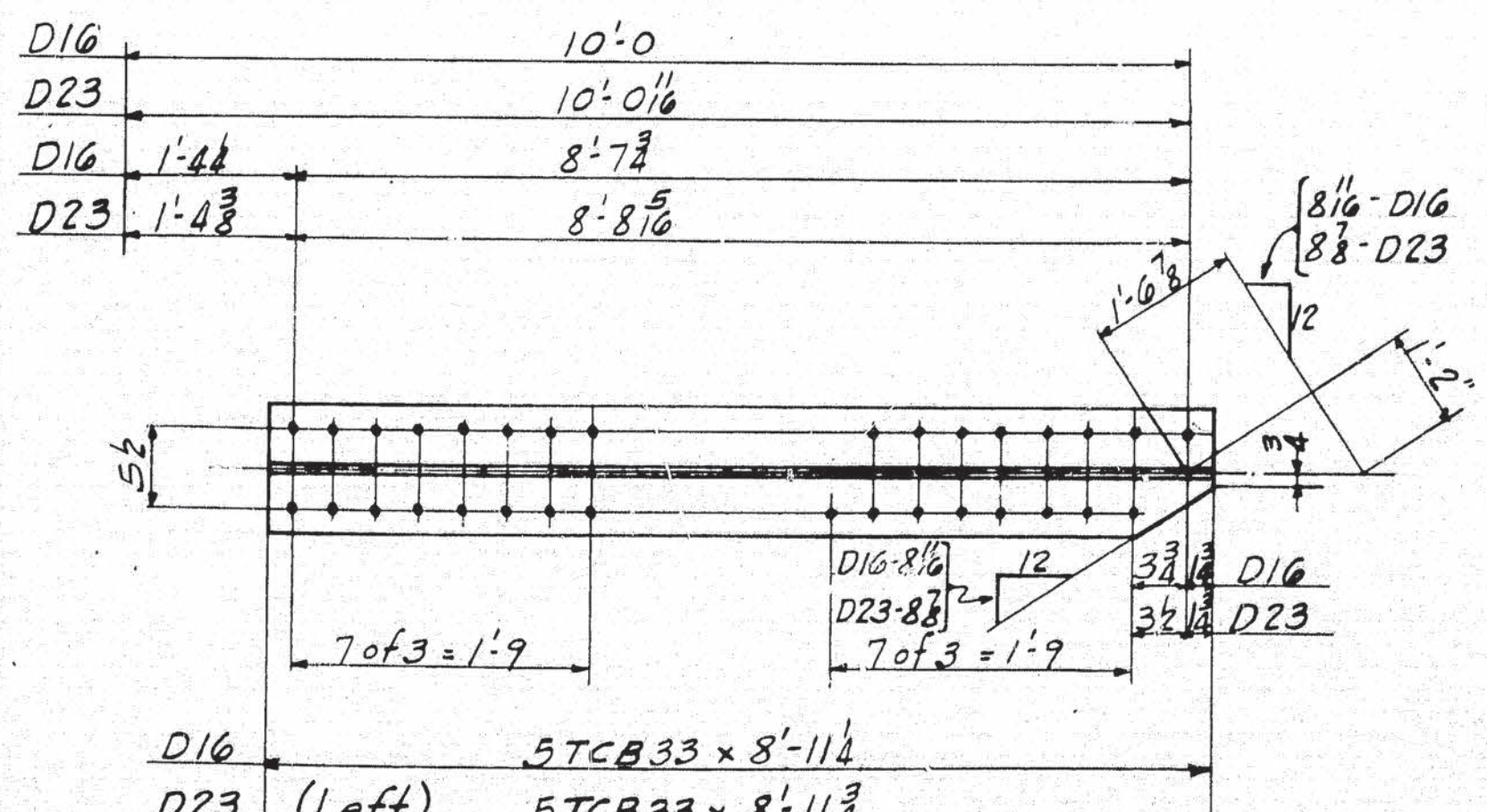
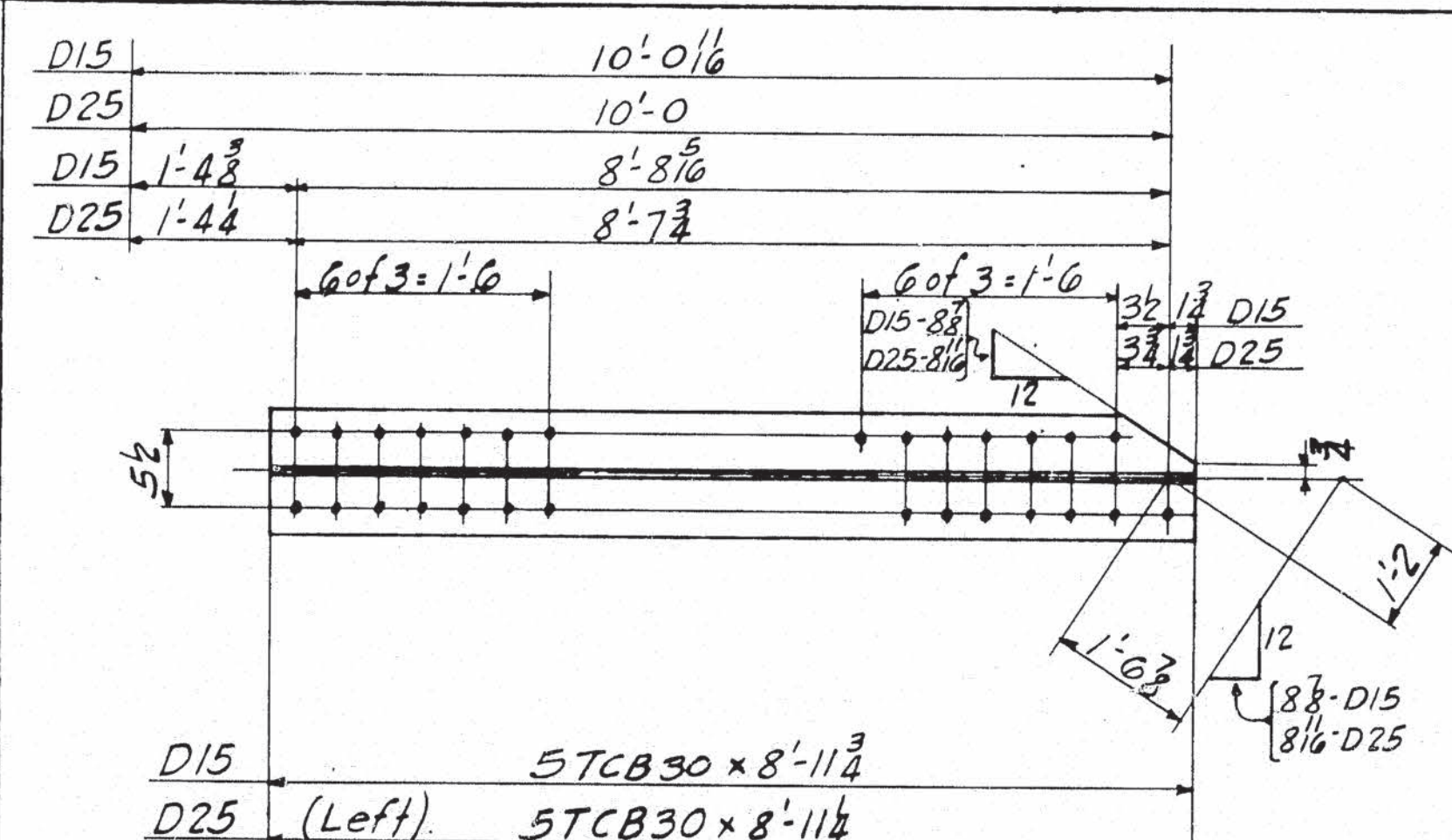
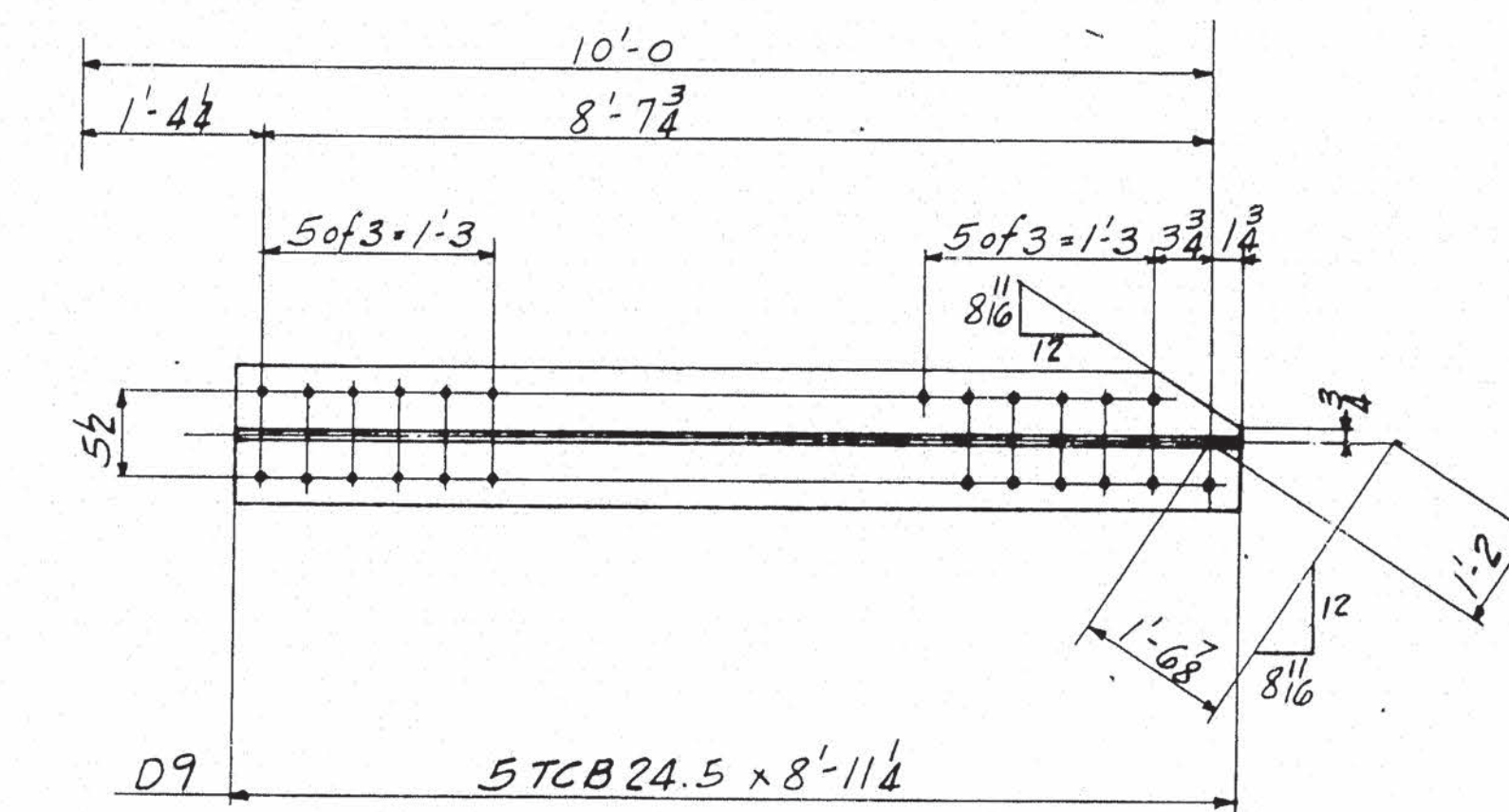
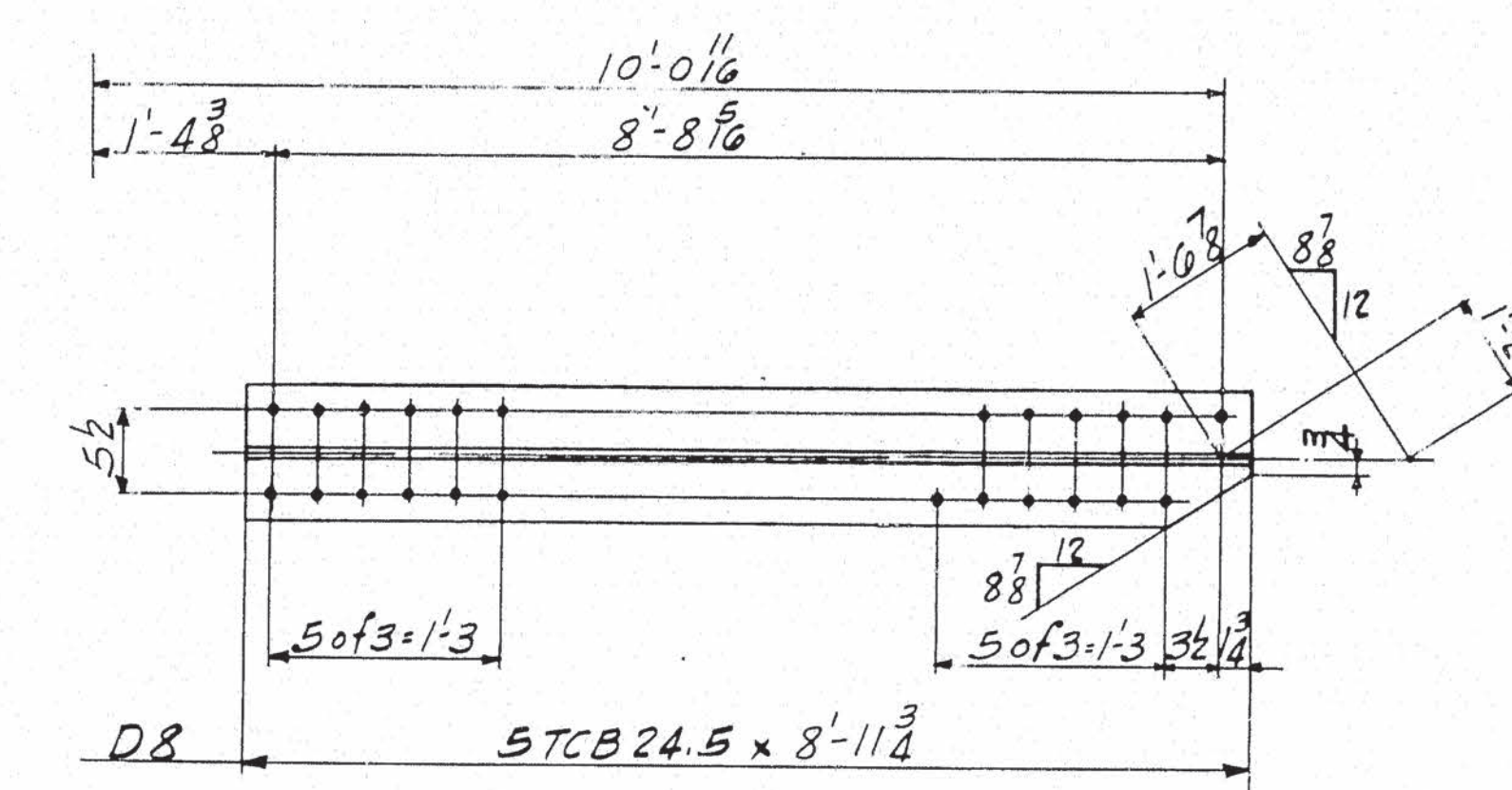
D6 5TCB19.5 x 10'-1 1/4"
D11 5TCB19.5 x 9'-7 1/2"
D12 5TCB19.5 x 9'-7 1/2"
D19 5TCB19.5 x 9'-10"

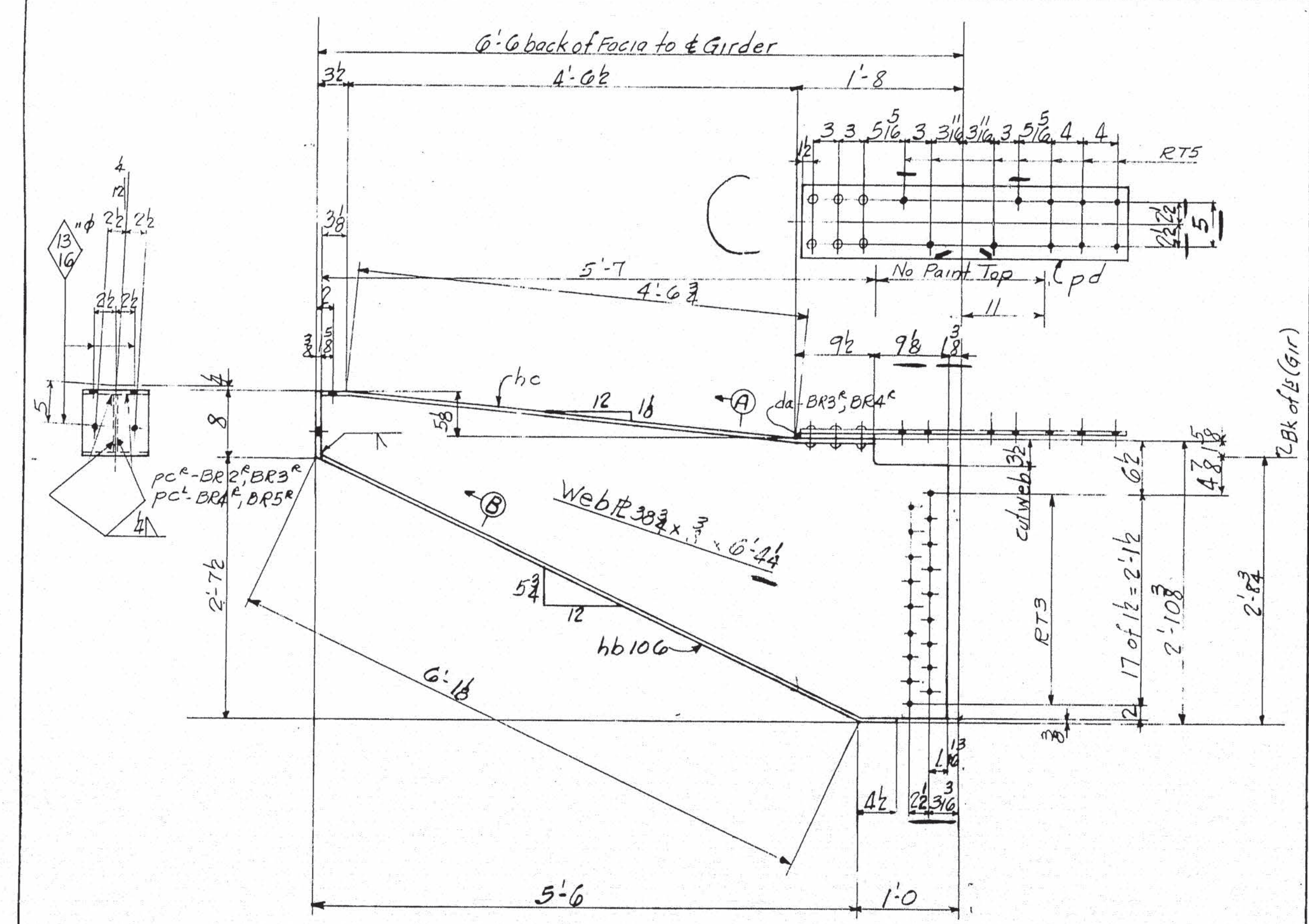
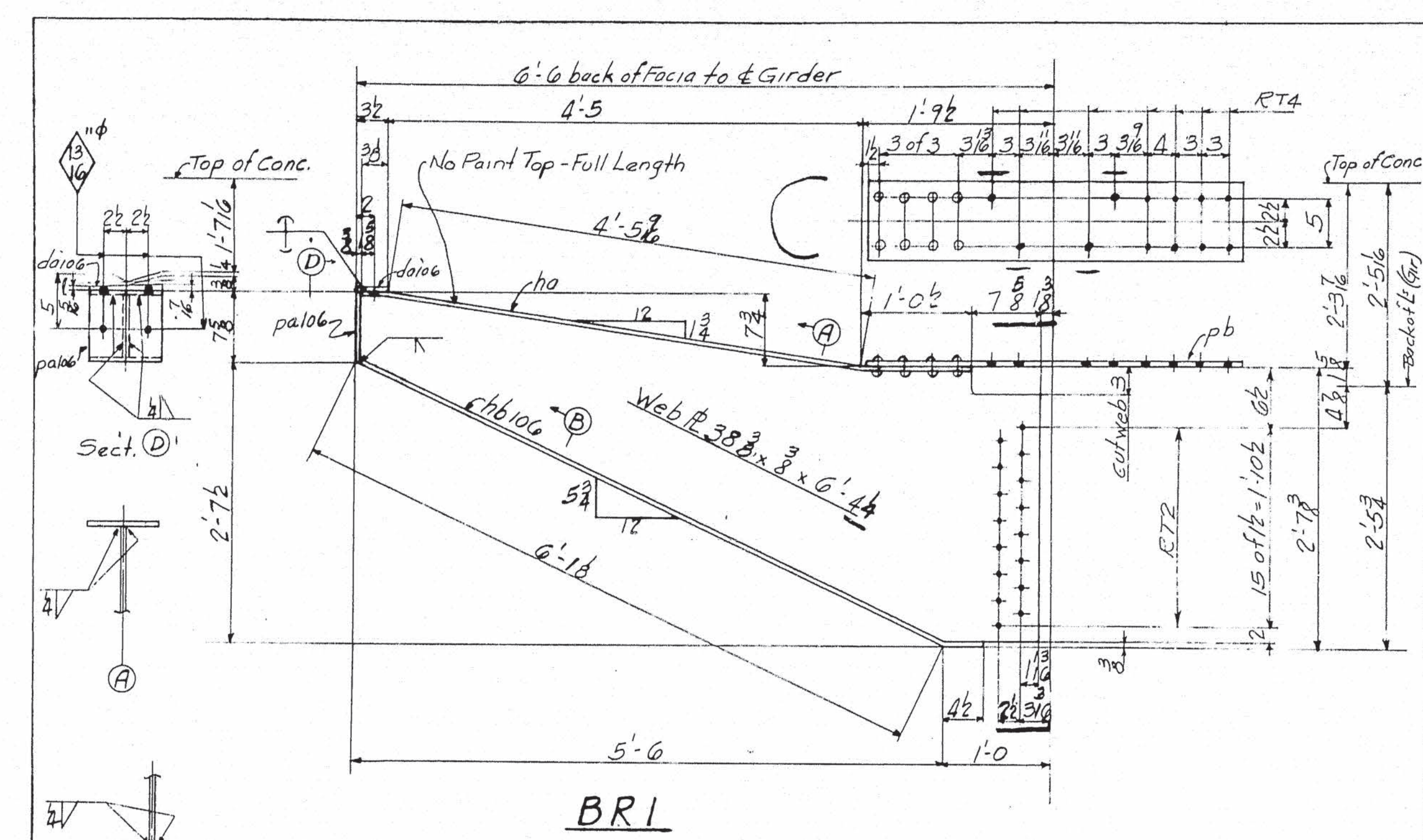
D7 12'-0 3/8"
D10 11'-11 1/16"
D18 12'-4 1/6"

D7 1'-4 3/8" 9'-3 3/8" 1'-4 3/8"
D10 1'-4 1/2" 9'-2 1/2" 1'-4 1/2"
D18 1'-4 1/6" 9'-6 7/16" 1'-4 1/6"

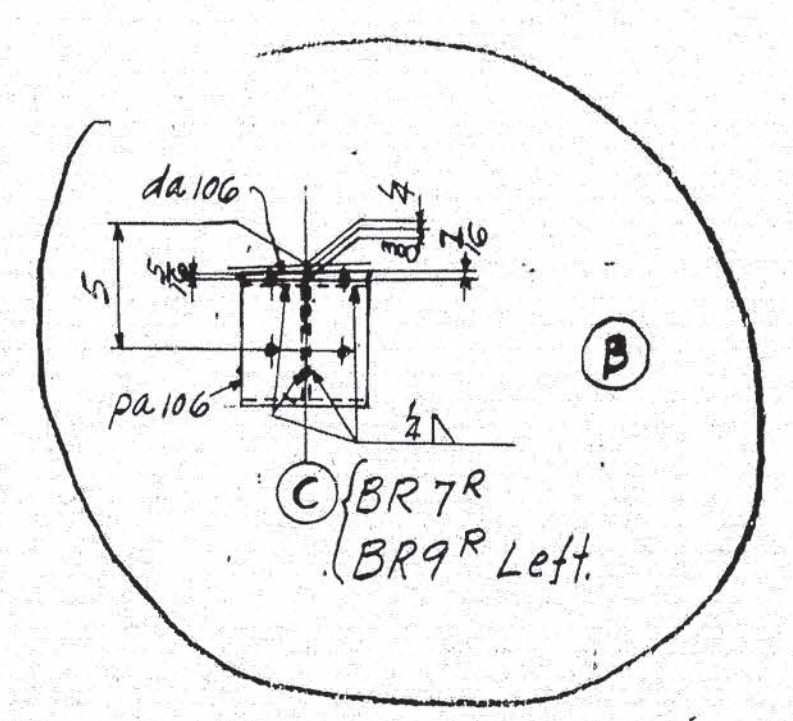
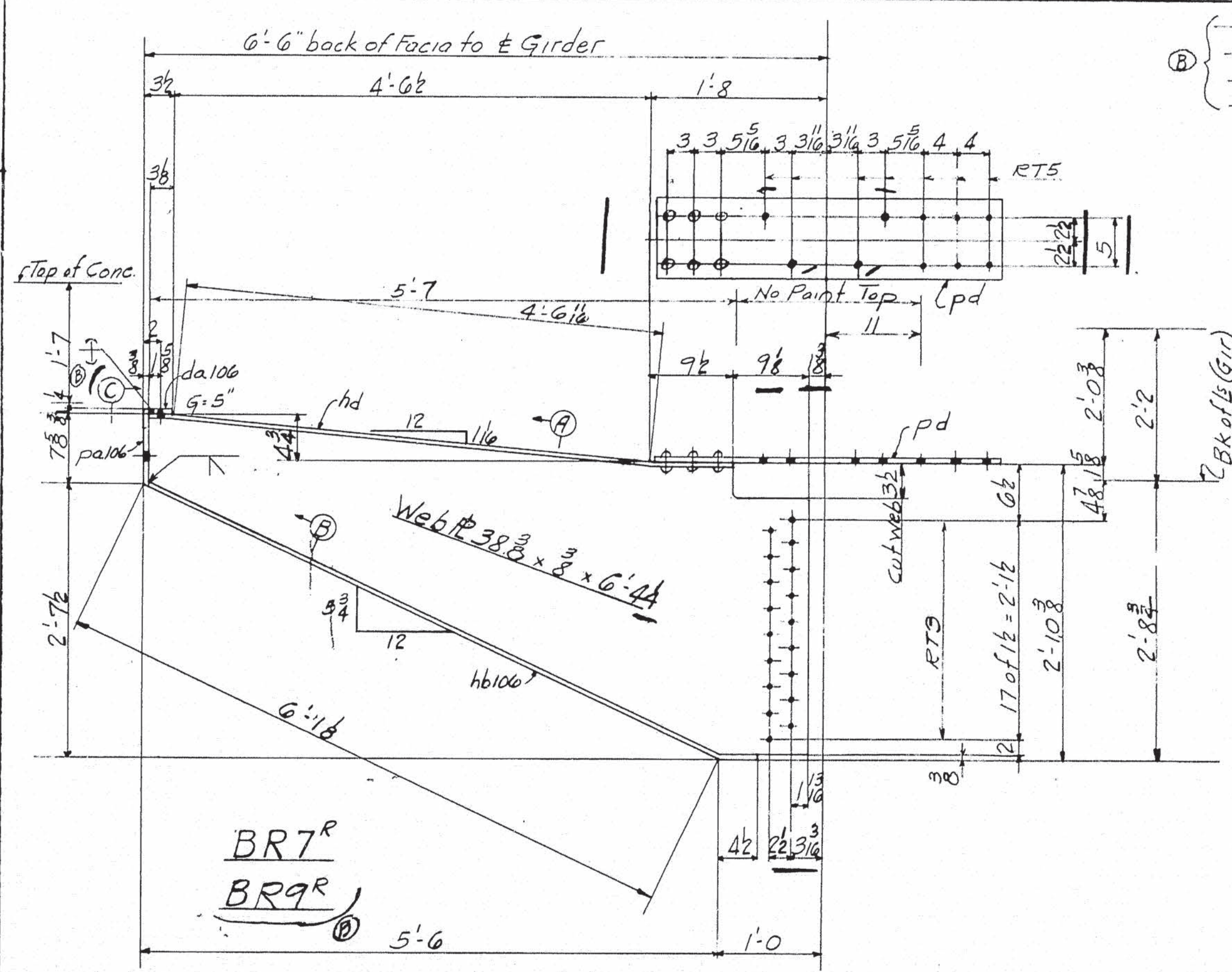


D7 5TCB24.5 x 9'-7"
D10 5TCB24.5 x 9'-6 1/4"
D18 5TCB24.5 x 9'-10"





BR2R
BR3R
BR4R
BR5R



NOTES:
SPECIFICATIONS: MAINE STATE HIGHWAY COMMISSION 1945
AND SPECIAL PROVISIONS
MATERIAL: O.H. STEEL A.S.T.M. A7-52T.
HOLES: 1/8" UNLESS NOTED
RIVETS: 3/8"
WORKMANSHIP: HOLES MARKED RT TO BE SUBPUNCHED
OR SUBDRILLED & REAMED TO SIZE TO A
METAL TEMPLATE
PAINT: YES, EXCEPT AS NOTED
SHOP CONTACT SURFACES: NO

LINE	ITEM	QUANTITY	UNIT	REMARKS	ORDERED	CALCULATED
1	ONE SIDE WALK BRACKET BR1	1	EA			36.9
2	ONE SIDE WALK BRACKET BR2R	1	EA			35.5
3	ONE SIDE WALK BRACKET BR3R	1	EA			35.5
4	ONE SIDE WALK BRACKET BR4R	1	EA			35.5
5	ONE SIDE WALK BRACKET BR5R	1	EA			35.5
6	ONE SIDE WALK BRACKET BR7R	1	EA			35.7
7	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
8	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
9	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
10	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
11	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
12	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
13	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
14	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
15	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
16	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
17	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
18	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
19	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
20	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
21	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
22	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
23	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
24	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
25	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
26	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
27	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
28	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
29	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
30	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
31	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
32	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
33	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
34	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
35	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
36	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
37	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
38	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
39	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
40	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
41	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
42	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
43	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
44	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
45	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
46	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
47	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
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52	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
53	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
54	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
55	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
56	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
57	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
58	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
59	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
60	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
61	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
62	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
63	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
64	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
65	ONE SIDE WALK BRACKET BR9R	1	EA			35.7
66	ONE SIDE WALK BRACKET BR9L	1	EA			35.7
67	ONE SIDE WALK BRACKET BR9R	1	EA			35.7

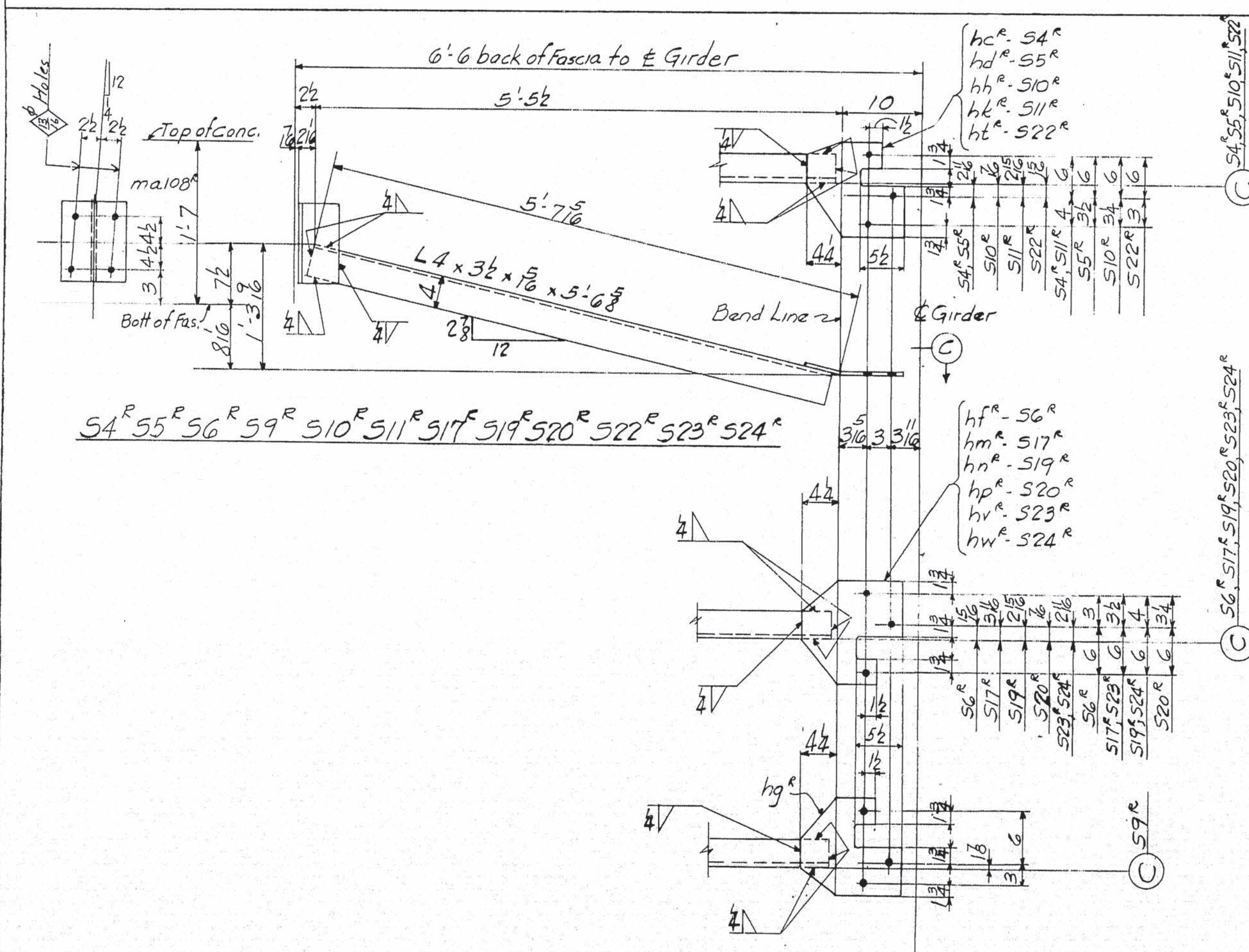
SIDE WALK BRACKETS

STATE OF MAINE
STATE HIGHWAY COMMISSION
BANGOR-BREWSTER BRIDGE
OVER PENOBSCOT RIVER
BANGOR, MAINE

AMERICAN BRIDGE
DIVISION
UNITED STATES STEEL COMPANY

DRAWINGS MADE AT TRENTON PLANT
WORK FABRICATED AT ANSBIDGE PLANT
IN CHARGE OF E.B. MARKS
DRAWN BY S.H.P. DATE 7-29-53
CHECKED BY W.C.P. DATE 2-15-54

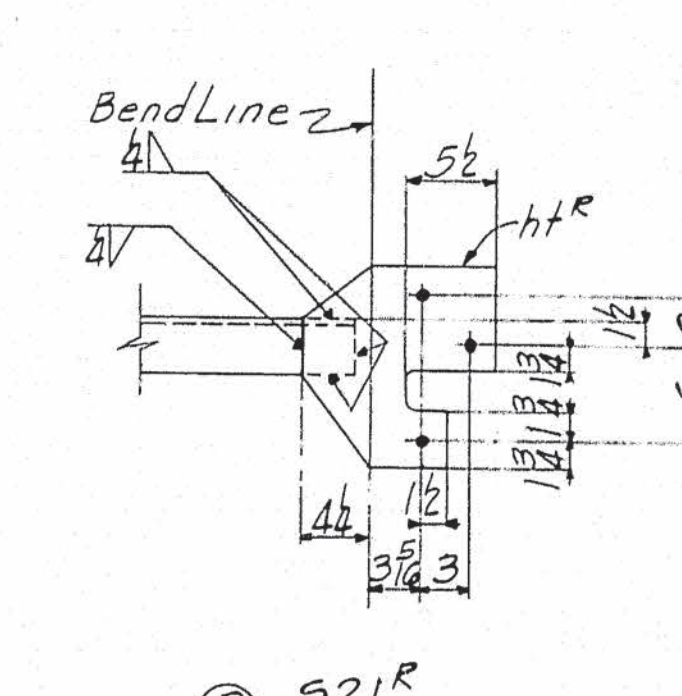
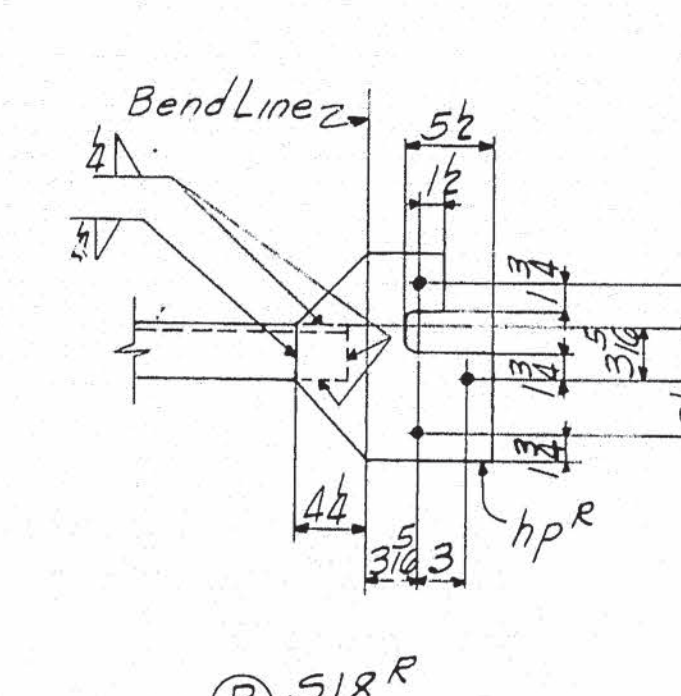
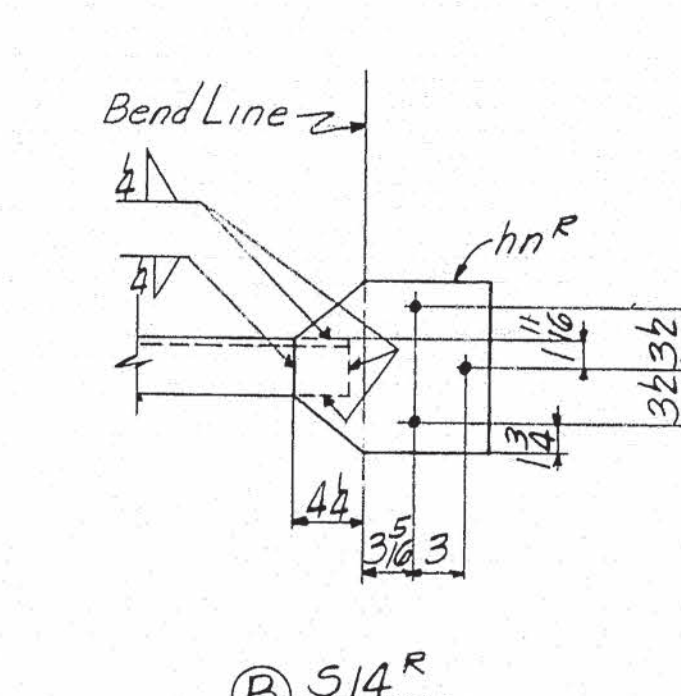
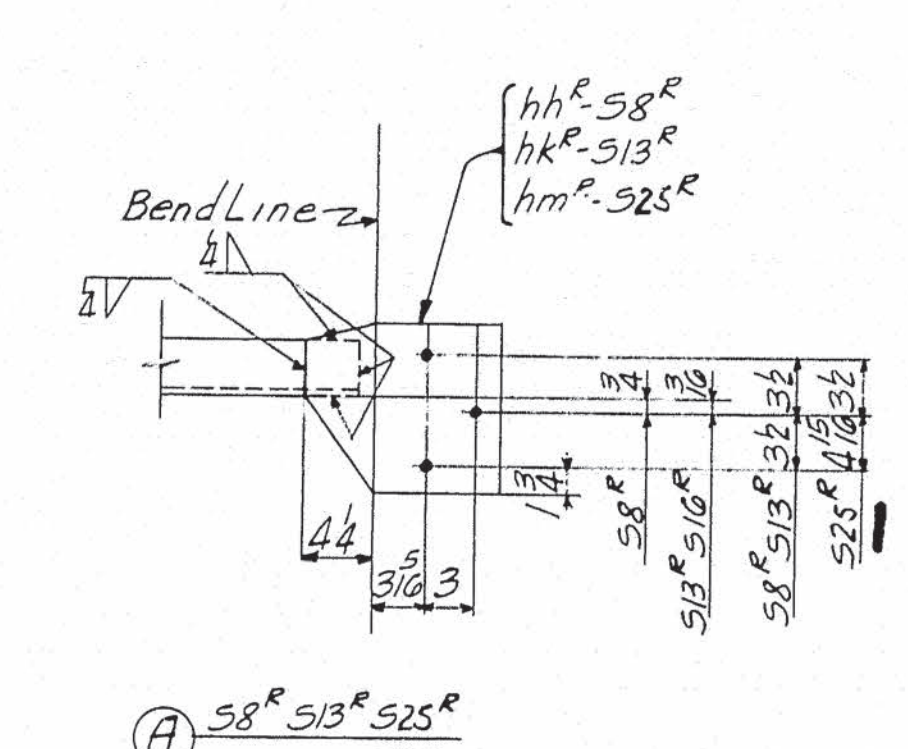
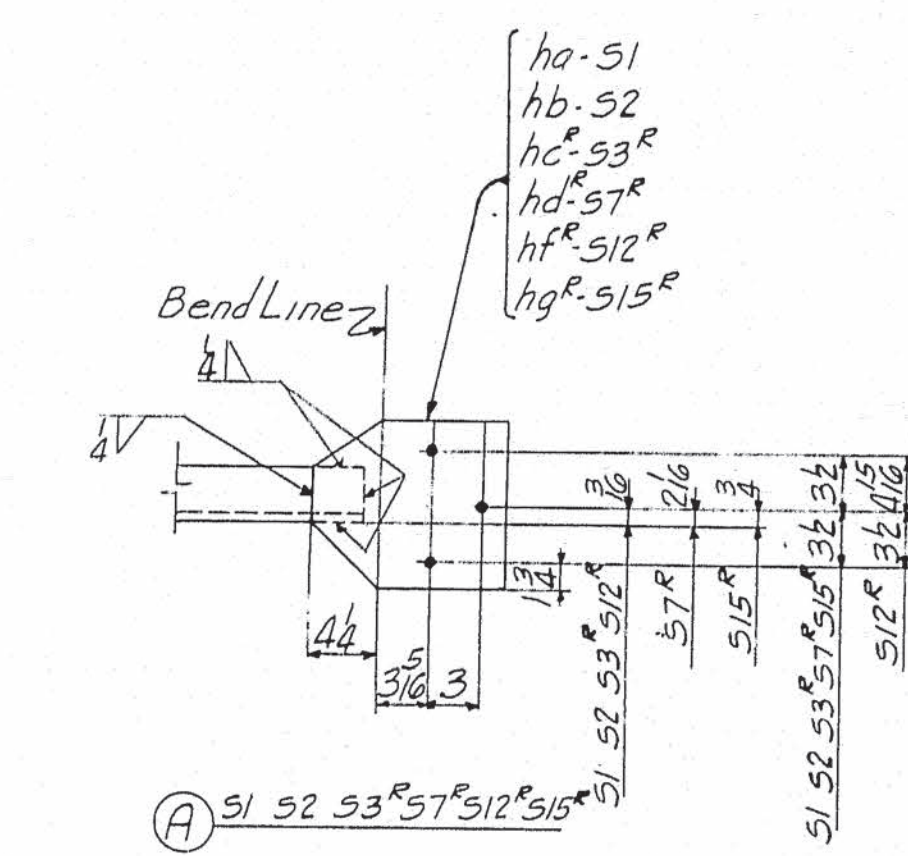
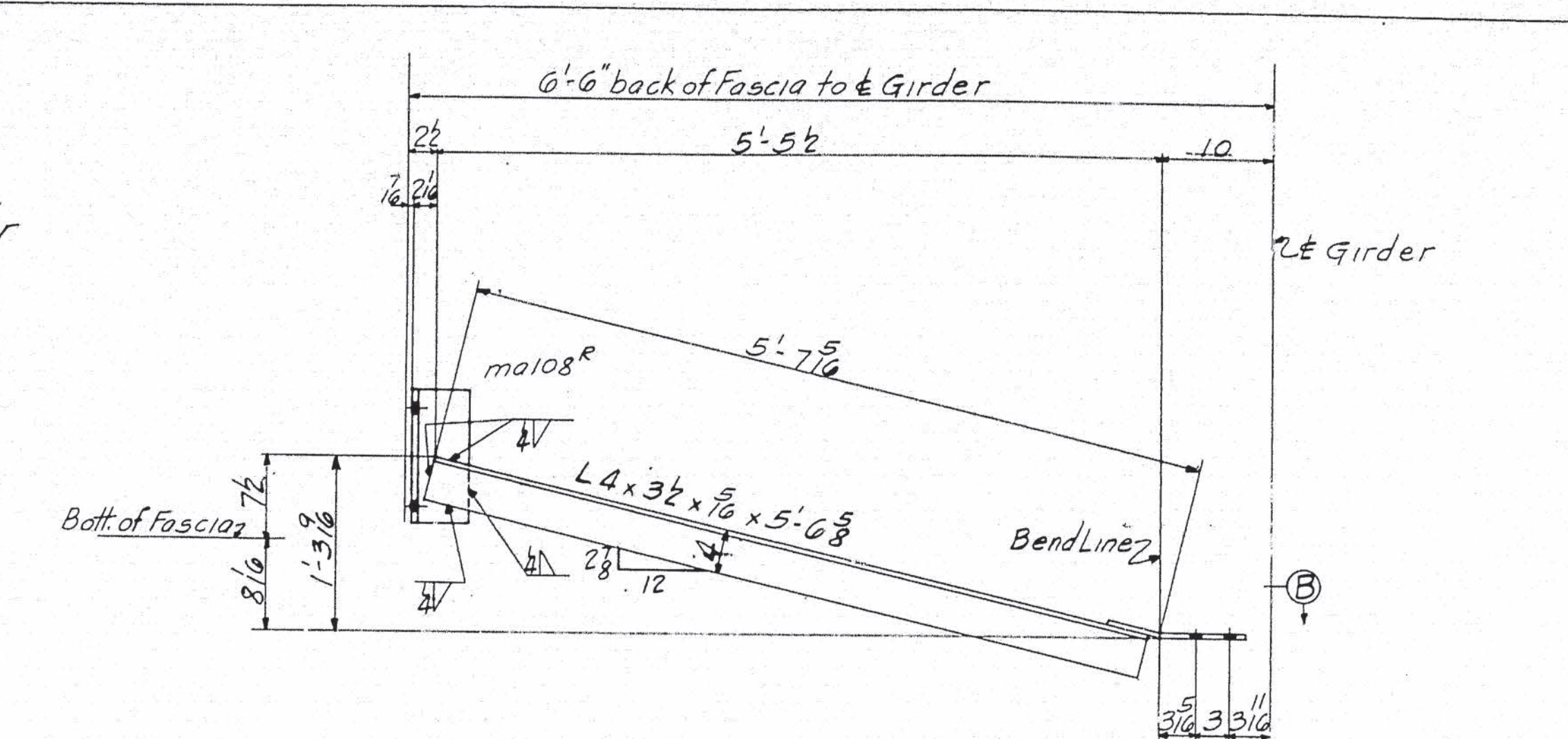
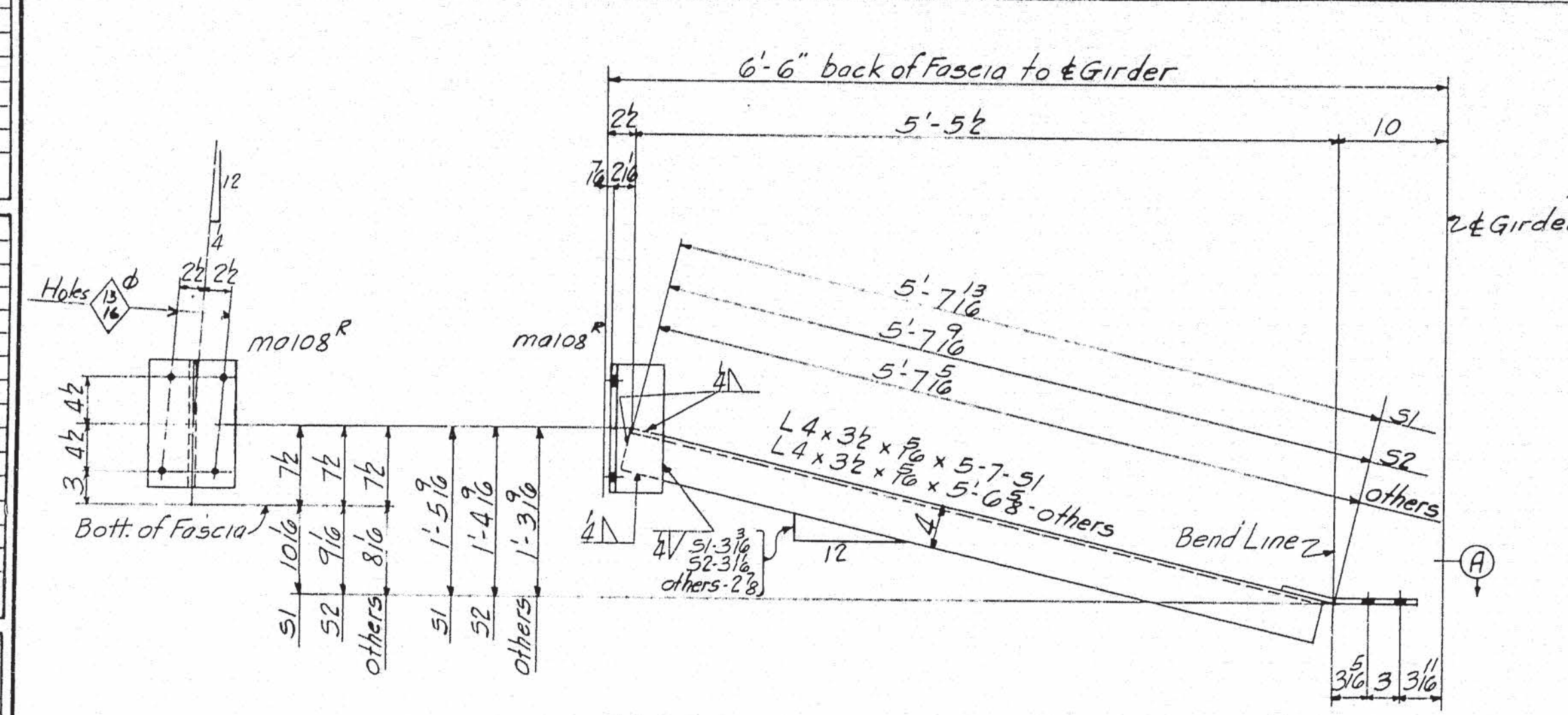
ORDER No. Q4150 SHEET No. 106



Paint: Yes, except as noted
Shop Contact Surfaces: No

62-178

LINE	ITEM	QTY	UNIT	PRICE	TOTAL
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AMERICAN BRIDGE COMPANY									
LINE	ITEM	QTY	UNIT	PRICE	TOTAL	REMARKS	ORDERED	ITEM	CALCULATED
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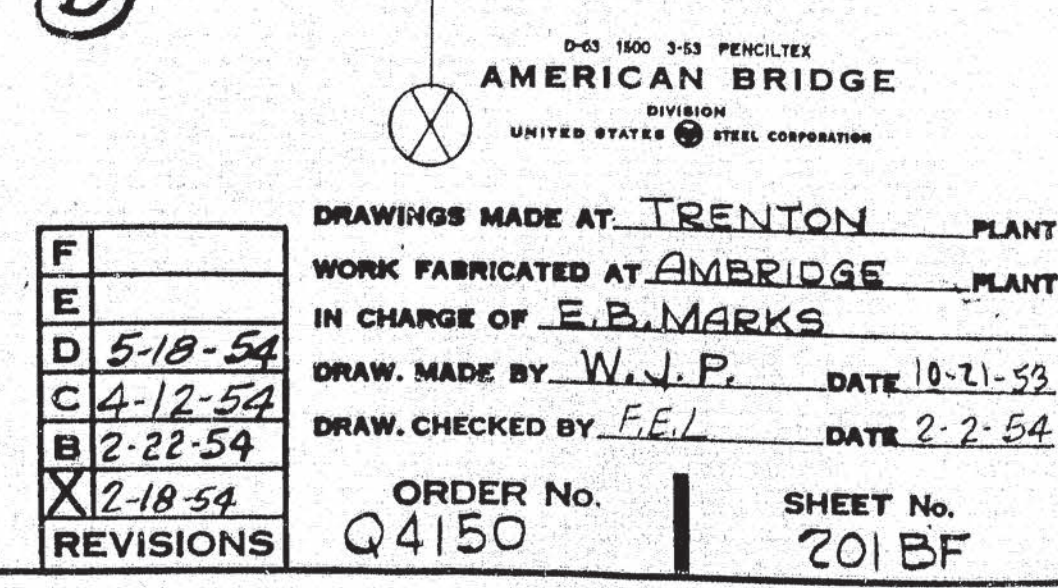
NOTES:
 SPECIFICATIONS: MAINE STATE HIGHWAY COMMISSION 1945
 and Special Provisions
 MATERIAL: O.H. STEEL A.S.T.M. A7-52T
 HOLES: 1/8" Unless Noted
 PAINT: Yes
 SHOP CONTACT SURFACES: NO

STATE OF MAINE
 STATE HIGHWAY COMMISSION
 BANGOR-BREWER BRIDGE
 OVER PENOBSCOT RIVER
 BANGOR, MAINE

AMERICAN BRIDGE COMPANY
 UNITED STATES STEEL CORPORATION SUBSIDIARY

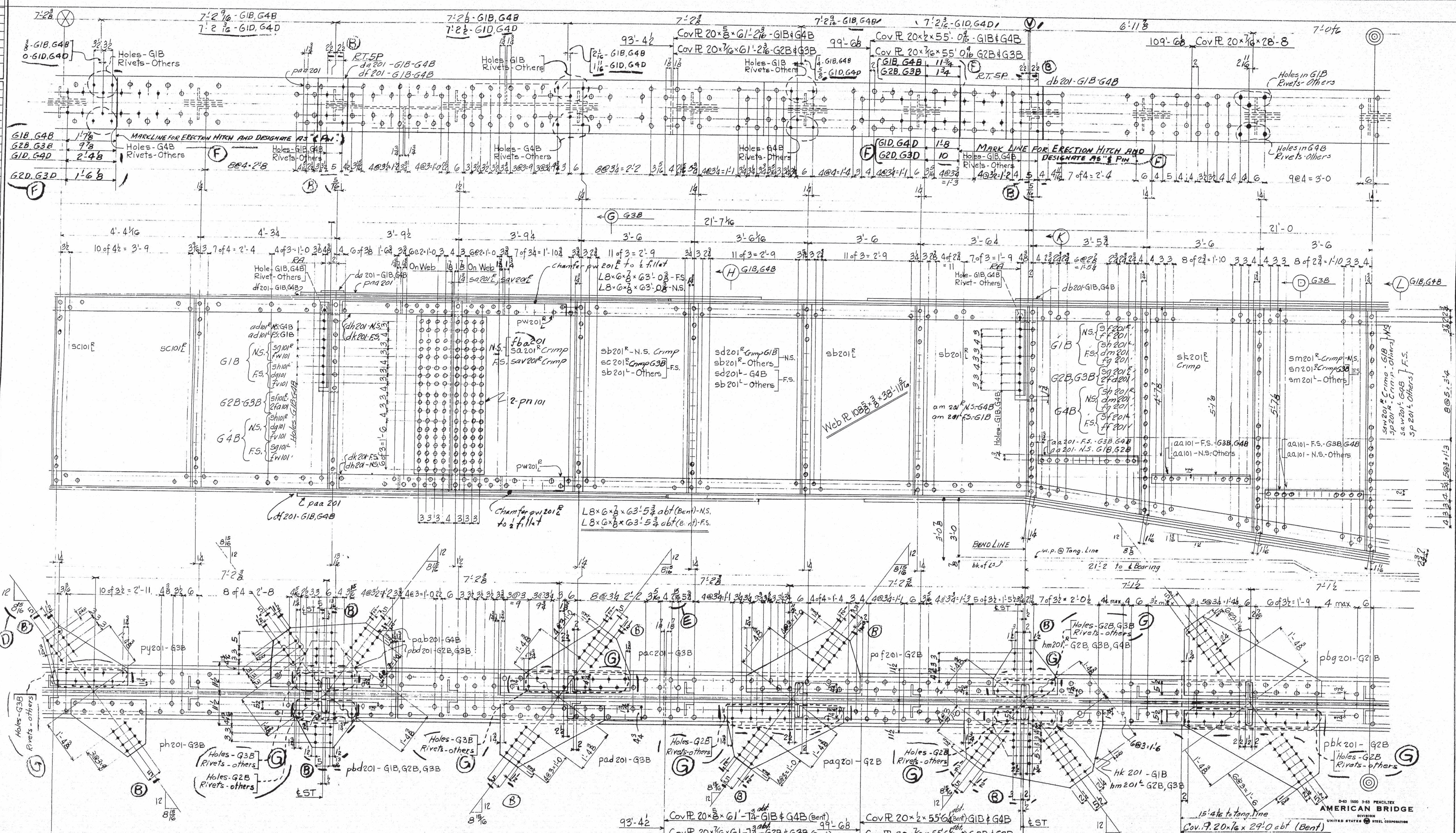
DRAWINGS MADE AT TRENTON PLANT
 WORK FABRICATED AT AMBRIDGE PLANT
 IN CHARGE OF E.B. MARKS
 DRAW. MADE BY J.H.P. DATE 2-15-54
 DRAW. CHECKED BY P.R.Y. DATE 2-15-54

ORDER No. Q4150 SHEET No. 109



F		DRAWINGS MADE AT	TRENTON	PLANT
E		WORK FABRICATED AT	AMBRIDGE	PLANT
D		IN CHARGE OF	E.B. MARKS	
C	5-18-54	DRAW. MADE BY	W.J.N.P.	DATE 10-21-53
B	4-12-54	DRAW. CHECKED BY	FEL	DATE 2-2-54
A	2-22-54			
X	2-18-54			
REVISIONS		ORDER No.	SHEET No.	
		Q4150	201BF	

REV.	DATE	BY	CHKD.	BOLTS		RIVETS	
				Qty	Size	Qty	Size
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STATE OF MAINE
STATE HIGHWAY COMMISSION
BANGOR - BREWER BRIDGE
PENOBSCOT RIVER
BANGOR, MAINE

REV.	DATE	BY	CHKD.
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100	3-22-54		

62-182

										Dade CT			
68	1	R	228	3/6	2	5	3	pa 201-G3B	C	20	S		
69	1	R	228	3/6	2	4	4	G3B		18	S		
70	1	R	228	3/6	2	6	3	G2B		21	S		
71	1	R	228	3/6	2	6	3	pd 201-G2B	C	21	S		
72	9	R	778	5/6	1	11	2	1-G3B, G2B, G3B	C	77	S	2	1/4
73	3	R	228	3/6	1	3	3	2-G3B		10/5	S	14	5
74	5	R	228	3/6	2	4	3	2-G3B		5/34	S		
75	1	R	228	3/6	2	7	3	pk 201-G2B	C	23	S		
76	1	R	228	3/6	2	10	4	pm 201-G3B	C	28	S		
77	1	R	228	3/6	2	6	3	G3B		20	S		
78	1	R	228	3/6	2	7	3	PP 201-G3B	C	23	S		
79	1	R	228	3/6	2	7	3	PT 201-G2B	C	23	S		
80	1	R	228	3/6	2	7	3	PV 201-G2B	C	23	S		
81	1	R	228	3/6	2	7	3	PV 201-G3B	C	23	S		
82	1	R	228	3/6	3	8	3	pa 201-G4B		14	S		
83	1	R	228	3/6	3	5	3	pac 201-G3B	C	28	S		
84	1	R	228	3/6	3	5	3	pa 201-G3B		29	S		
85	1	R	228	3/6	3	9	3	pa 201-G2B		32	S		
86	1	R	228	3/6	3	8	3	pag 201-G2B	C	32	S		
87	1	R	240	5/6	4	3	2	G1B-Bent		25	S		
88	1	R	30	5/6	4	3	2	hak 201-G3B	C	52	S		
89	1	R	30	5/6	4	3	2	pa 201-G3B		52	S		
90	16	R	5	3	5	11	1	pa 201-G3B		18	S		
91	1	R	41	3	5	5	1	Curved		30	S		
92	1	R	30	5/6	4	1	4	pb 201-G2B	C	49	S		
93	24	R	228	3/6	5	5	0	pn 101		20-1	S	10	3
94	16	R	5	3	6	16	1	chem fer		72	S		
95	1	R	328	3/6	4	1	3	pa 201-G3B	C	72	S		
96	1	R	328	3/6	4	1	3	pa 201-G3B		72	S		
97	1	R	328	3/6	5	3	2	G2B		80	S		
98	1	R	328	3/6	5	3	2	pba 201-G2B	C	80	S		
99	3	R	174	5/6	2	2	2	2-G3B, G3B	C	29	S		
100	1	R	324	3/6	4	7	2	h 201		29	S		
101	8	R	35	3	8	14	1	G1B-Bent		32-5	S	10	2
102	8	R	15	2	8	16	2	pb 101			S		
103	2	R	6	1/6	6	3	2	h 201		Finl G1B, G4B	S		
104	2	R	6	1/6	4	13	4	df 201		G1B, G4B	S		
105	4	R	32	3	1	9	2	ft 201			S		
106	4	R	32	3	1	4	1	fm 201			S		
107	2	R	20	7	2	10	1	h 201		G1B, G4B curved	S	30-0	1085
108	2	R	20	7	2	10	1	h 201		G1B, G4B curved	S		
109	2	R	20	7	2	10	1	h 201		G1B, G4B curved	S		
110	16	R	32	3	5	5	0	f 101		G2B, G3B	S		
111	8	R	4	3	2	6	2	f 101		G1B, G4B	S		
112	8	R	4	3	5	5	0	f 101		G1B, G4B	S		
113	6	R	20	4	1	2	2	de 101		G1B, G4B	S	2	5
114	8	R	20	7	2	10	1	h 201		G1B, G4B	S	30-0	1085
115	4	R	8	2	2	5	5	dm 201-G1B		G1B, G4B	S		
116	8	R	8	2	3	2	5	ag 101		G1B, G4B	S		
117	8	R	5	1	8	1	14	dh 201			S		
118	8	R	5	1	8	1	14	dh 201			S		
119	4	R	20	3/4	1	6	2	df 201		G1B, G4B	S		
120	16	S	4	32	3/6	2	1	aa 101		3	S	1	109
121	4	S	4	32	3/6	3	1	aa 201			S		
122	4	S	4	32	3/6	2	7	ab 201		R-G1B, G2B	S		
123	4	S	4	32	3/6	2	18	ac 201		L-G3B, G2B	S		
124	20	S	4	32	3/6	2	7	ad 201		L-G1B, G2B	S		
125	4	S	4	32	3/6	2	7	af 201		L-G2B, G3B	S	40-0	109
126	8	S	4	3	2	2	6	ag 101		R-G2B	S	40-0	1043
127	8	S	4	3	2	3	6	ai 101		G1B, G4B	S		
128	2	S	4	7	5	11	2	aa 201		L-G4B	S	25-0	1039
129	2	S	4	7	5	11	2	ab 201		R-G1B	S	25-0	1039
130	1	S	4	7	5	11	2	ac 201		Finl-G3B	S	25-0	1039
131	2	S	4	7	5	11	2	ad 201		Finl-G2B	S	25-0	1039
132	2	R	14	1/6	1	11	8	af 201		Finl-G1B, G4B	S		

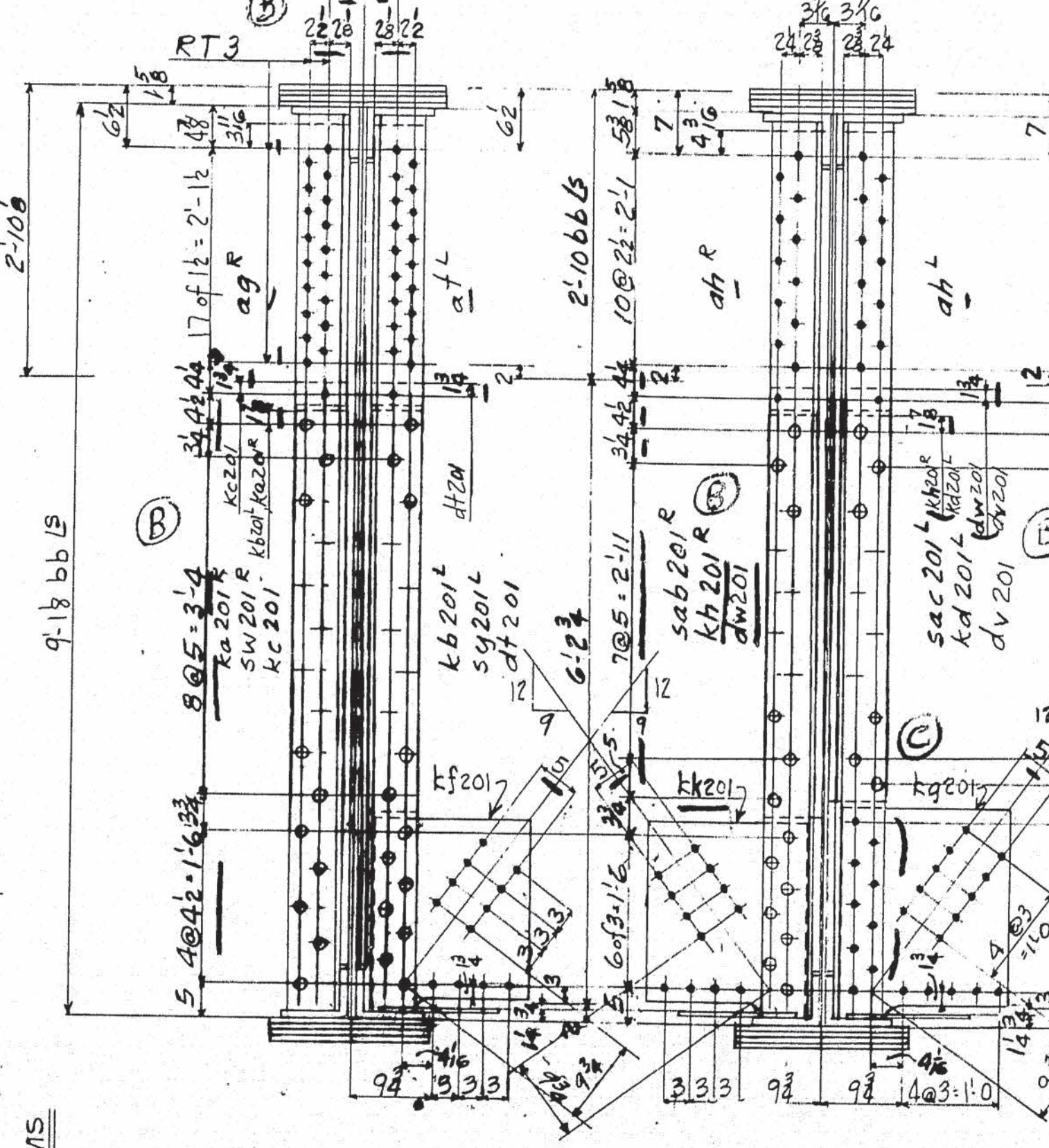
STATE OF MAINE
STATE HIGHWAY COMMISSION
BANGOR - BREWER BRIDGE
PENOBSCOT RIVER
BANGOR - MAINE

DRAWINGS MADE AT TRENTON PLANT

Att. Bill Pages 201 & 202

WELDING

62-84



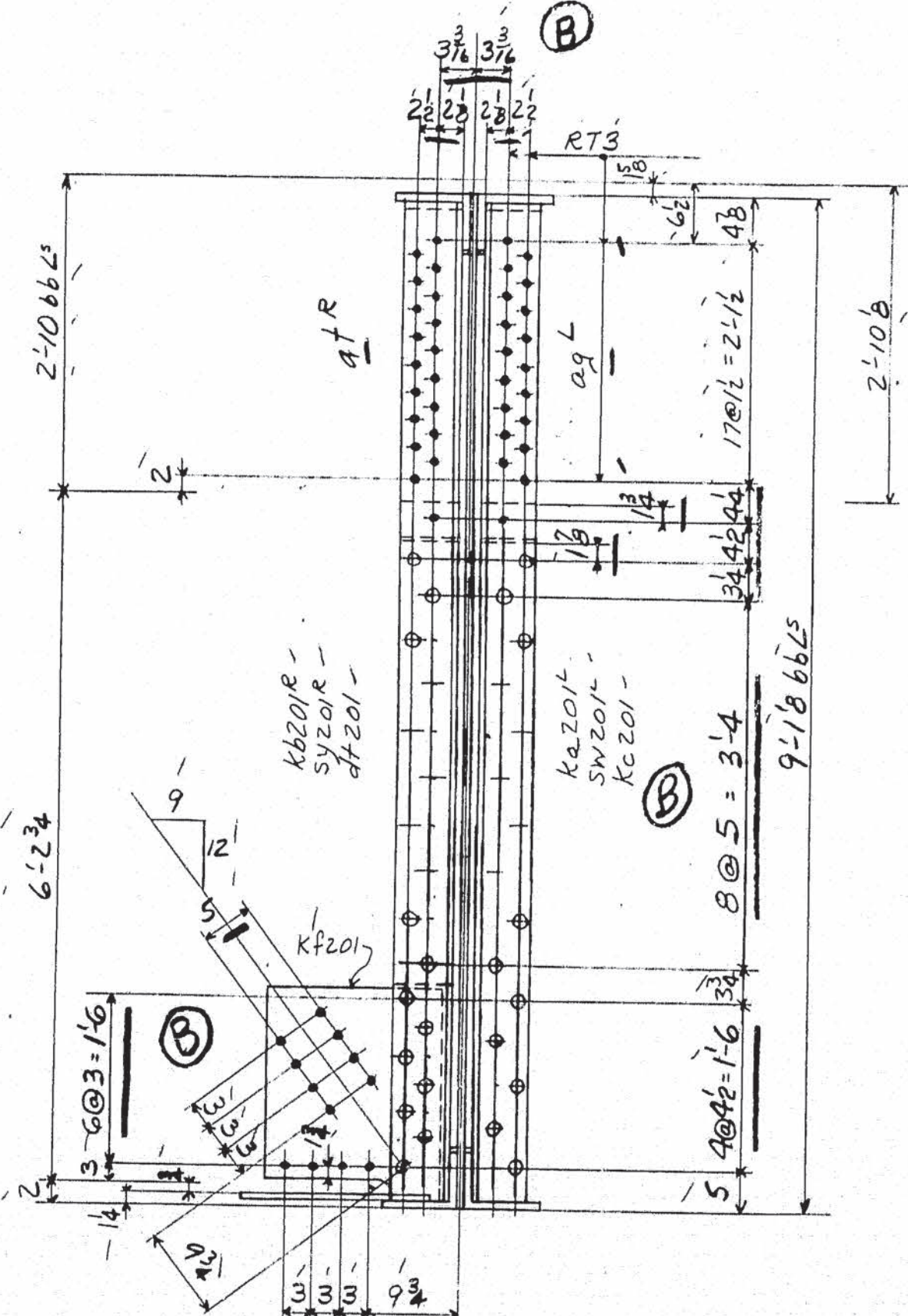
SECTION C, K, M - G4B

SECTION E-G3B

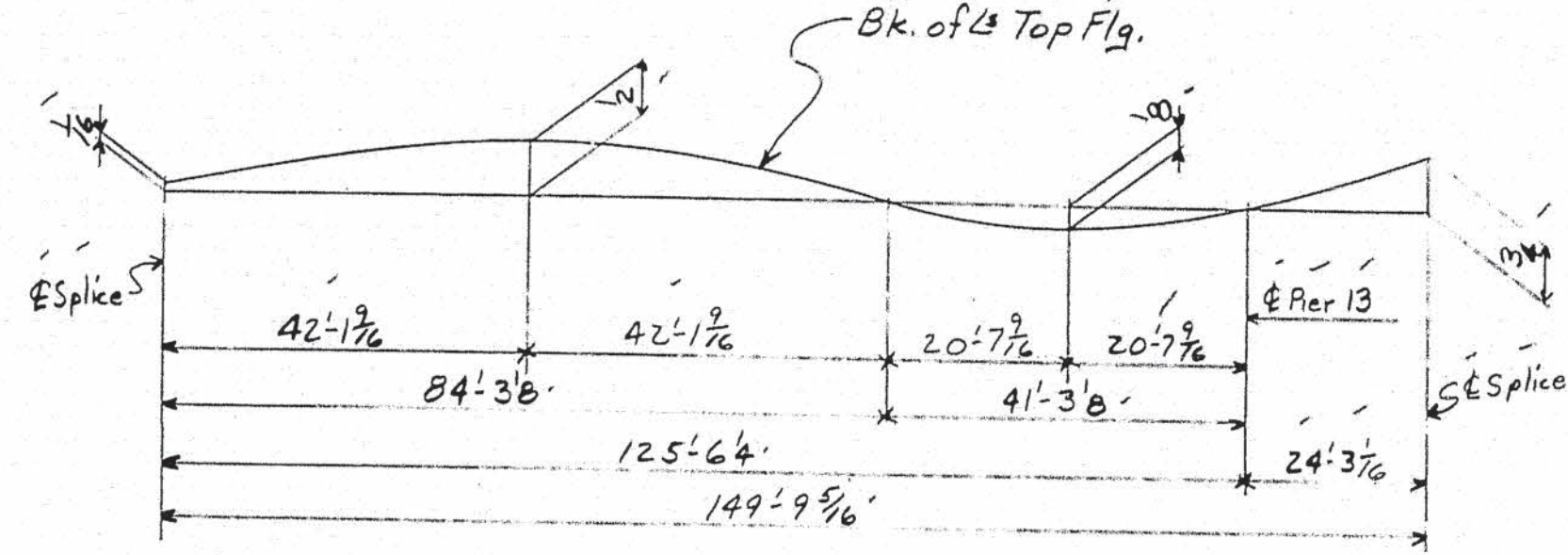
SECTION F - G3B

STIFFENER DIAGRAMS

[illegible]

[illegible]

SECTION-F-GIB



CAMBER DIAGRAM

④

SPECIFICATIONS - Maine State Highway Commission 1945 and Special Provisions
MATERIAL - Q.H. Steel, ASTM A 36, 17.25"
RIVETS - 1/2" 1008S - 1/2" Pinless Noted
WORKMANSHIP - Holes in material thicker than the diameter of the rivet shall be drilled.
 Holes in main material, including holes at splices, in bearing stiffeners, and splice plates to be subpunched or subdrilled 1/4" and reamed to size.
 Holes marked RT to be subpunched or subdrilled 1/4" and reamed to size to a metal template.
 Holes marked RA to be subpunched or subdrilled 1/4" and reamed to size while connecting members are assembled to cambered position. (See Sheet E102)
 Connecting members to be matchmarked.
 Fillers and splice plates under stiffeners to fit within 1/8" of flange angles.
 B.E. indicates bearing end of stiffeners.
 Yes, Except as shown in Section X.
PAINT -
SHOP CONTACT SURFACES - No

As Shipped Loose

SHEET 401 WORKS WITH THIS SHEET

DRAWING WITH BILL

AMERICAN BRIDGE COMPANY

LINE	Total Pieces on Order		MATERIAL		ASSEMBLY MARK	REMARKS	ORDERED		CALCULATED WEIGHT FOR ONE SHIP PIECE
	Plate or Order	No. of Sheets	SHAPE	LENGTH Feet Inches			ITEM		
1									
2									
3									
4									
5									
6			2 L 6 4	3 8	2 1/8 ag	R-688 -G1B	40-0 2	1043	35
7			4 L 6 4	3 8	2 1/8 ah	G2B, G3B	40-0 4	1043	70
8			4 L 6 4	3 8	2 1/8 am	G2B, G4B	40-0 4	1043	58
9			2 Fl 20 3/4	1	0 dw	G1B, G4B	* 30-0	1065	29
10			2 Fl 20 3/4	1	0 dw	G1B, G4B	*	1	34
11			2 Fl 20 3/4	1	0 dw	G1B, G4B	*	1	32
12			2 Fl 20 3/4	1	0 dw	G2B, G3B	*	1	37
13			4 Fl 3 7/8	5	0 3/4 dw	G2B, G3B	*	1	60
14			2 Fl 4 3/8	5	0 1/2 dw	G1B, G4B	*	1	60
15			2 Fl 4 3/8	5	0 1/2 dw	G1B, G4B	*	1	31
16			2 Fl 4 3/8	5	0 1/2 dw	G1B, G4B	*	1	60
17			4 Fl 3 7/8	5	0 3/4 dw	G2B, G3B	*	1	104
18			2 Fl 4 3/8	5	0 1/2 dw	G1B, G4B	*	1	30
19			14 Bar 2 3/8	1	0 3/4 h	G3B	*	1	41
20			2 R 30 3/8	5	3 h	G1B, G3B	Curved 73	AS	128
21									
22			2 R 20 3/4	4	0 1/2 h	G2B, G3B	Curved 20-0	1069	77
23			1 R 17 1/2 3/4	1	1 1/2 h	G2B	9	5	27
24			1 R		h	G3B	9	5	27
25			1 R 17 1/2 3/4	1	1 1/2 h	G2B	9	5	25
26			1 R		h	G3B	9	5	25
27			1 R 30 3/4	4	1 3/4 h	G3B	9	5	13
28			2 R 9 1/2 3/8	1	4 h	pk 20-1 G2B pxa 10-1 G3B	9	5	97
29			2 L 6 4	3 8	5 10 1/2 dw	L-788	35-6	1044	72
30			8 L 2 3/4	3 1/2	5 10 1/2 dw	L-788	40-0 2	1045	102
31			2 L 6 4	3 8	2 1 1/8 at	R-688 -G4B	40-0 2	1043	35
32			14 RB 3 7/8	1	0 3/4 h	HNH-G3B	AS		4
33			94 SB 3 7/8				AS		
34									
35									
36			2 Fl 6 7/8	4	3 3/4 dw	G2B G3B		5	32
37			2 L 6 4	3 8	5 11 h	h 201 G3B	25-0	1039	161
38			2 R 19 1/2 3/4	1	1 1/2 h	h 201 G3B	6	5	51
39			12 Fl 3 3/8	5	0 h	h 201 G3B	4	AS	63
40									
41									
42									
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45									
46			3 R 17 1/2 3/4	1	1 1/2 h	pf 201 G2B		S	83
47			3 R 17 1/2 3/4	1	1 1/2 h	pf 201 G3B		S	
48			1 R 17 1/2 3/4	2	2 h	pbd 201 G2B		S	NET
49			1 R 17 1/2 3/4	2	2 h	pbd 201 G3B		S	WEIGHT
50			1 R 17 1/2 3/4	1	1 1/2 h	hm 201 G2B		S	WELODED
51			1 R 17 1/2 3/4	1	1 1/2 h	hm 201 G2B		S	WITH
52			1 R 17 1/2 3/4	1	1 1/2 h	hm 201 G3B		S	ASSEMBLY
53			1 R 24 3/8	4	1 3/4 h	hm 201 G2B	44	AS	PIECES
54			1 R 24 3/8	4	1 3/4 h	hm 201 G3B		AS	FOR
55			1 R 17 1/2 3/4	1	9 1/2 h	hp 201 G3B		S	RESPECTIVE
56			1 R 17 1/2 3/4	1	9 1/2 h	hp 201 G2B		S	GROSS
57			1 R 17 1/2 3/4	1	9 1/2 h	hp 201 G2B		S	
58			1 R 17 1/2 3/4	1	9 1/2 h	hp 201 G2B		S	
59			1 R 22 3/4	2	1 1/2 h	kg 201 G2B	6	S	
60			1 R 22 3/4	2	1 1/2 h	kg 201 G3B		S	
61			1 R 30 3/8	5	3 h	hc 201 G2B		AS	
62									
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Note--

For lines marked thus (*) customer is to receive total credit of 12,136 lbs.

83

NET

WEIGHT

WELODED

WITH

ASSEMBLY

PIECES

FOR

RESPECTIVE

GROSS

RIV. G1B 1279
 RIV. G2B 1313
 RIV. G3B 1308
 RIV. G4B 1278
 WELD G3B

STATE OF MAINE
STATE HIGHWAY COMMISSION
BANGOR-BREWER BRIDGE
OVER PENOBSCOT RIVER
BANGOR, MAINE

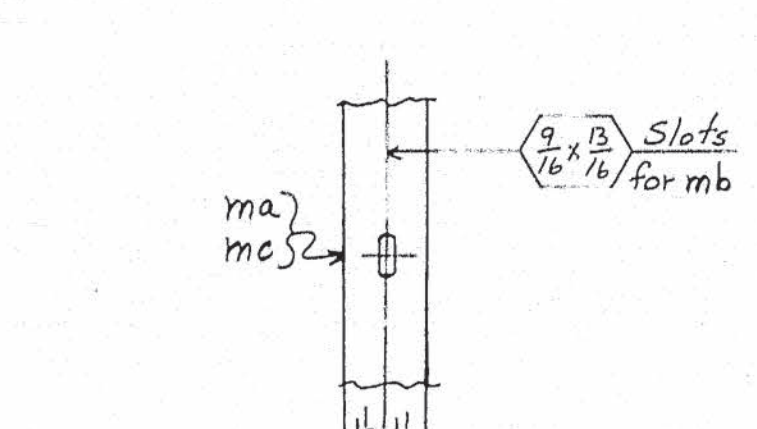
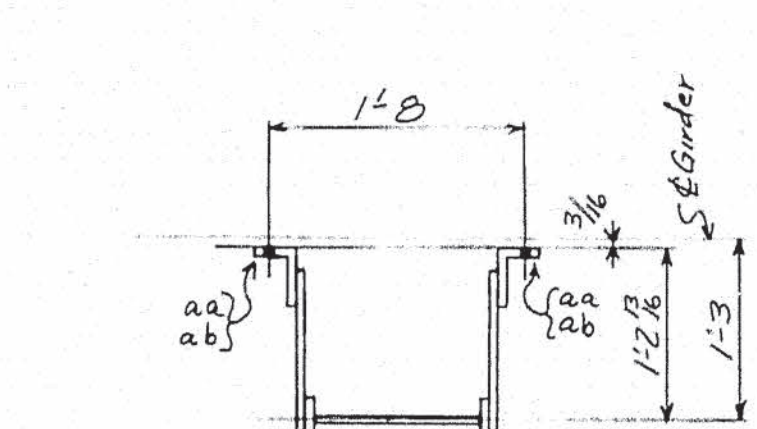
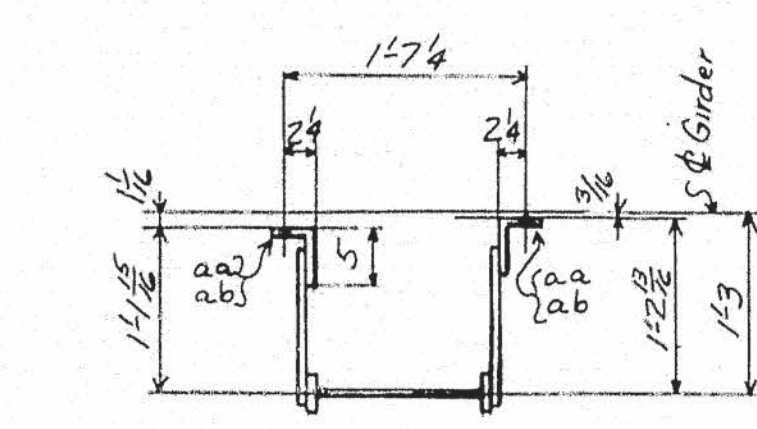
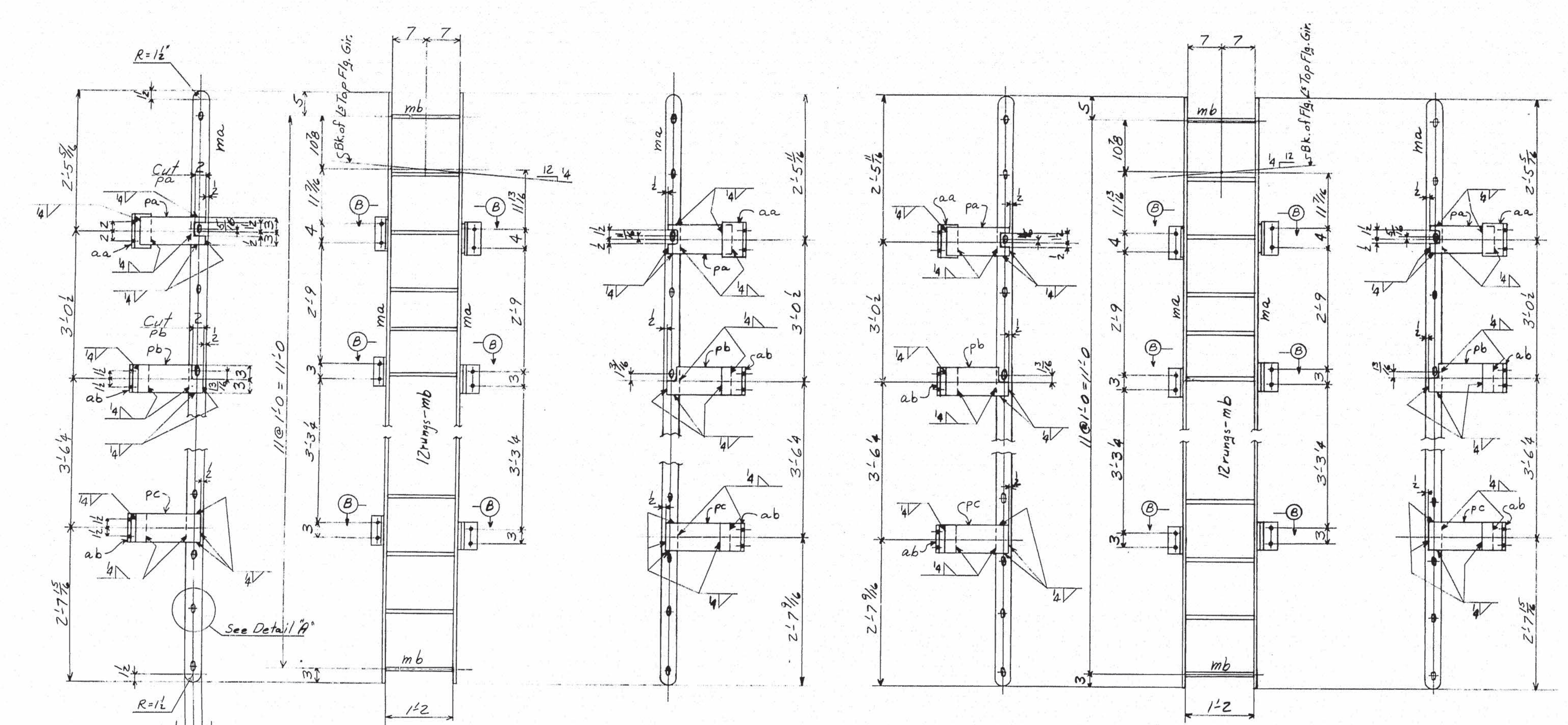
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WORK FABRICATED AT Ambridge PLANT
IN CHARGE OF E. B. Marks
DRAW. MADE BY PRY DATE 2-5-54
DRAW. CHECKED BY FEL DATE 2-8-54

F	DRAWINGS MADE AT	<u>Ironton</u>	PLANT
E	WORK FABRICATED AT	<u>Ambridge</u>	PLANT
D	IN CHARGE OF	<u>E.B. Marks</u>	
D	DRAW. MADE BY	<u>PRV</u>	DATE <u>2-5-54</u>
C	DRAW. CHECKED BY	<u>FEL</u>	DATE <u>2-8-54</u>
B	<u>2-22-54</u>		
X	<u>2-19-54</u>		
REVISIONS		ORDER No. <u>Q4150</u>	SHEET No. <u>201F</u>

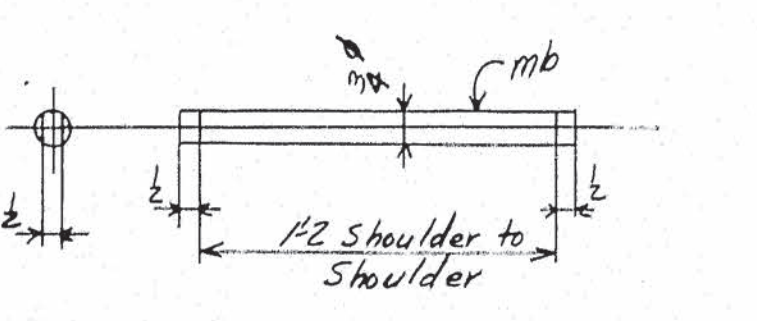
62-185

AMERICAN BRIDGE COMPANY

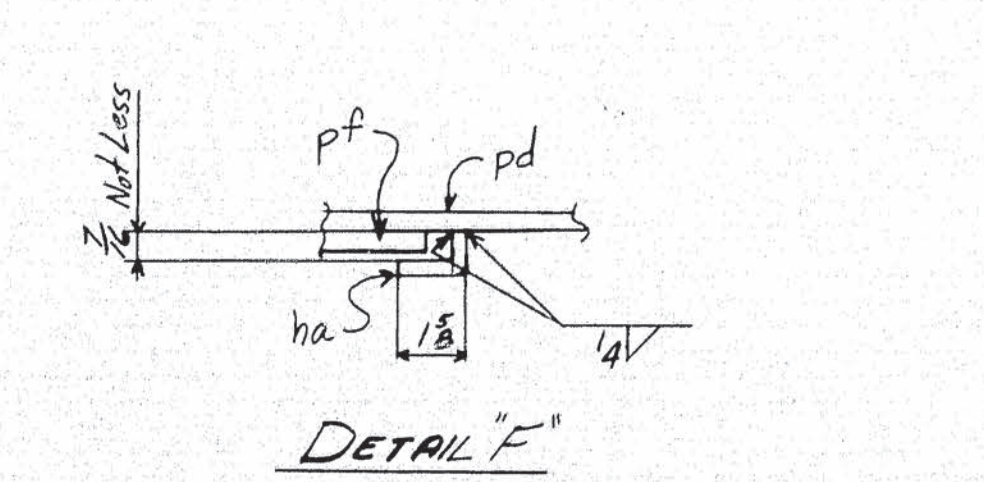
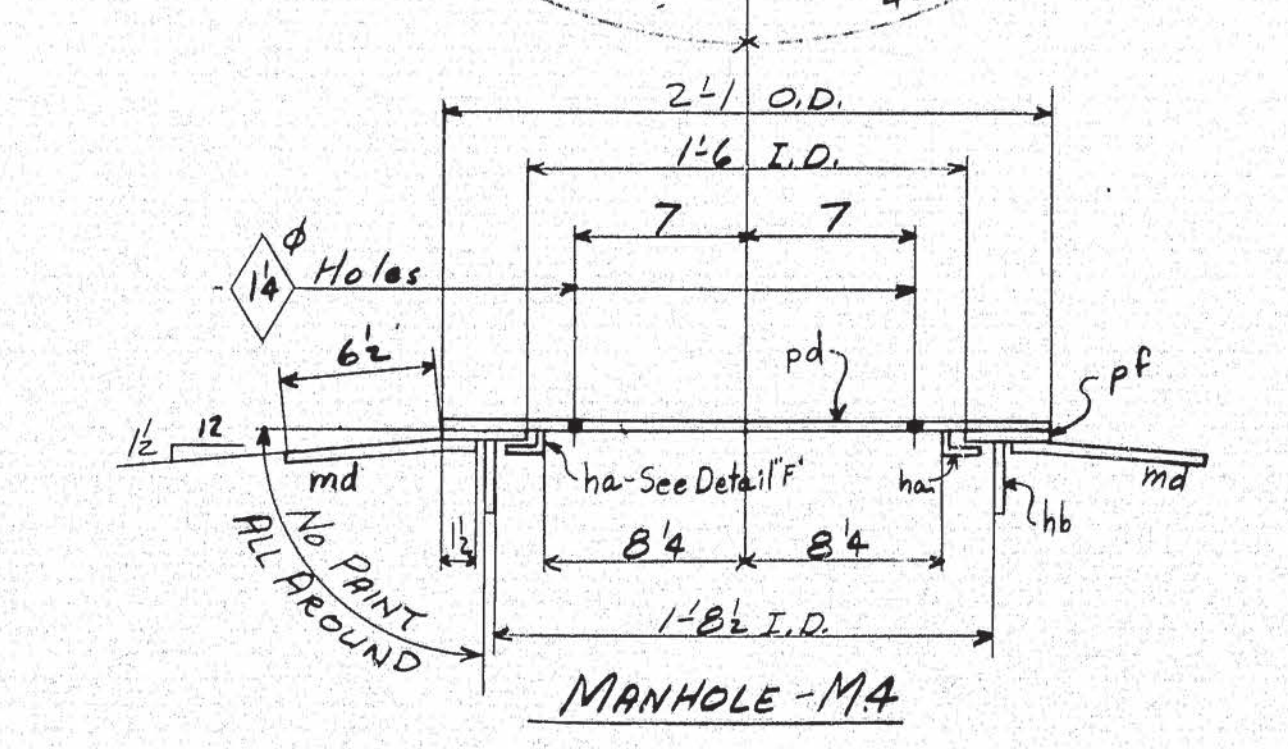
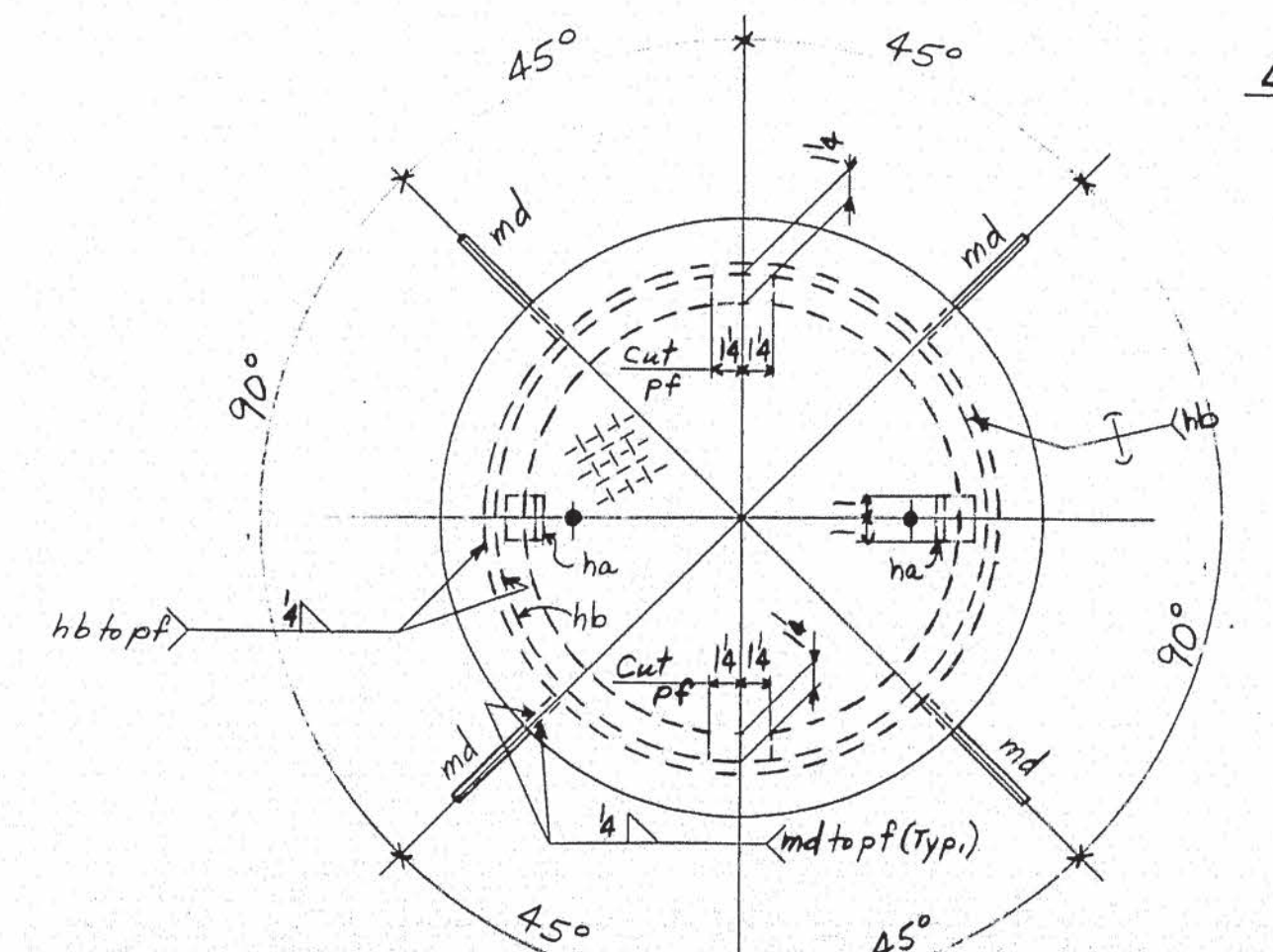
LINE	ITEM	SHAPE	LENGTH	ASSEMBLING MARK	REMARKS	ORDERED	ITEM	WEIGHT	FOR ONE SHIP
1									
2									
3									
4									
5									
6	2 LADDERS	L1						195	
7									
8	4 Bars	3 3/4	11 8	ma				88	
9	24 Rods	3/4	1 3	mb				23	
10	4 L	5 3/4	7	aa				12	
11	20 R	5 3/4	6	ab				21	
12	8 R	6 3/4	1 1	pa				15	
13	16 R	6 3/4	1 1	pb				15	
14	8 R	6 3/4	1 1	pc				17	
15								3	
16									
17	2 LADDERS	L2						195	
18									
19	4 Bars			ma				88	
20	24 Rods			mb				23	
21	4 L			aa				12	
22	8 L			ab				21	
23	4 R			pa				15	
24	4 R			pb				15	
25	4 R			pc				17	
26								3	
27									
28	2 LADDERS	L3						136	
29									
30	4 Bars	3 3/4	8 7	mc				65	
31	18 Rods			mb				17	
32	4 L			aa				12	
33	4 L			ab				10	
34	8 R			pb				29	
35								2	
36	4 MANHOLES	M4						104	
37									
38									
39	4 Chd R	25 3/8	2 1	pd	S300			56	
40	4 R	25 3/8	2 1	pf				27	
41	8 R	2 1/4	2 1/4	ha	Bent			1	
42	4 R	3 1/4	5 5/8	hb	Bent			15	
43	16 Rods	3/4	8	md	Bent			2	
44								3	
45									
46									
47									
48									
49									
50									
51									
52									
53									
54									
55									
56									
57									
58									
59									
60									
61									
62									
63									
64									
65									
66									
67									



DETAIL A
(Typical for all rung Conn.)



Typical Rung Detail
(Pen Ends after Assembly)



NOTES:
SPECIFICATIONS- Maine State Highway Comm.
1905 and Special Provisions
MATERIAL- O.H. Steel- ASTM A7-52T
HOLES- 3/4" Unless Noted
PAINT- Yes, Except as noted
Shop Contact Surfaces- No

LADDERS & MANHOLES
STATE OF MAINE
STATE HIGHWAY COMMISSION
BANGOR-BREWER BRIDGE
OVER PENOBSCOT RIVER
BANGOR, MAINE

AMERICAN BRIDGE COMPANY
UNITED STATES STEEL CORPORATION SUBSIDIARY

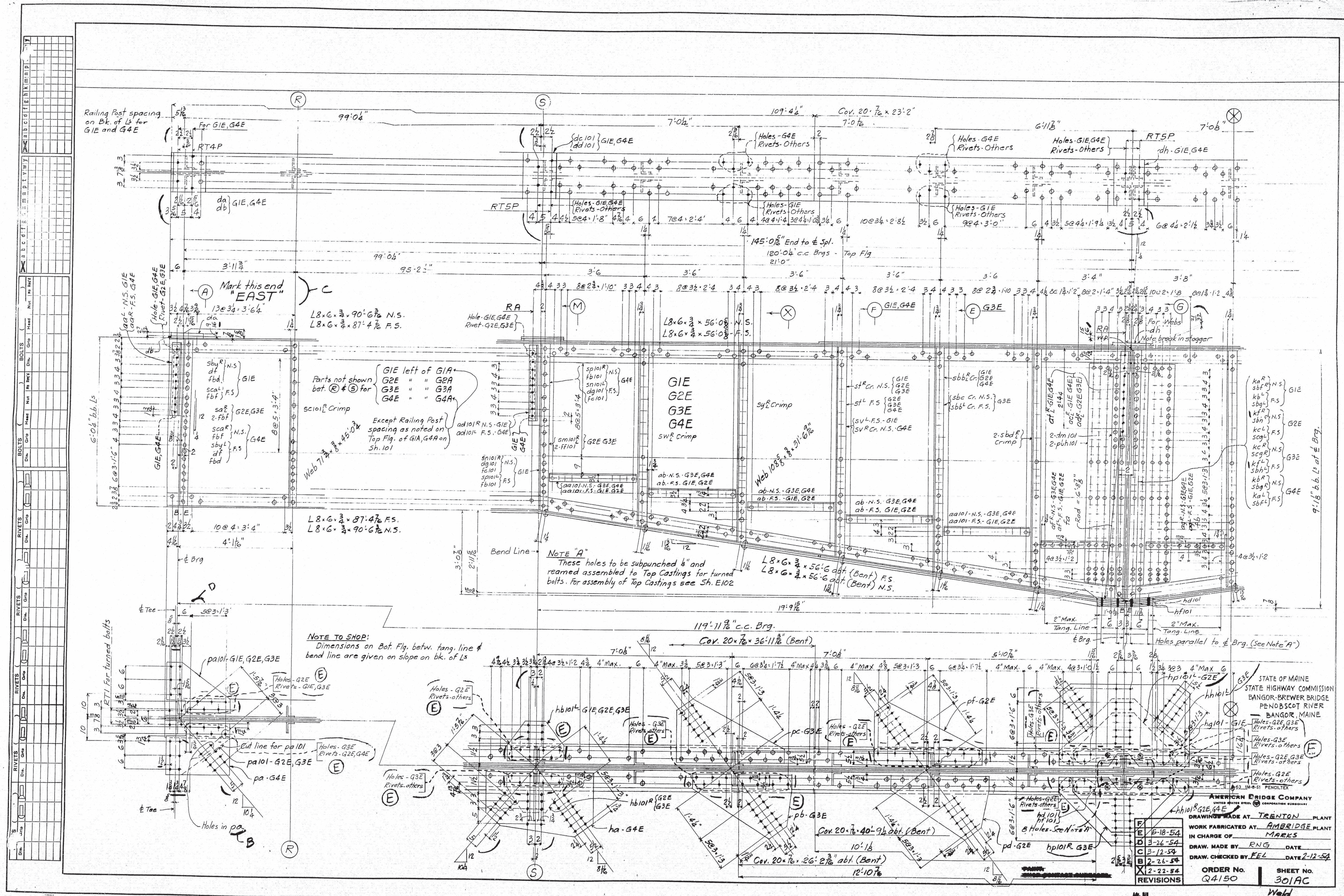
DRAWINGS MADE AT Trenton PLANT
WORK FABRICATED AT Ambridge PLANT
IN CHARGE OF E.B. Marks
DRAW. MADE BY PRY DATE 2-16-54
DRAW. CHECKED BY FEL DATE 2-18-54

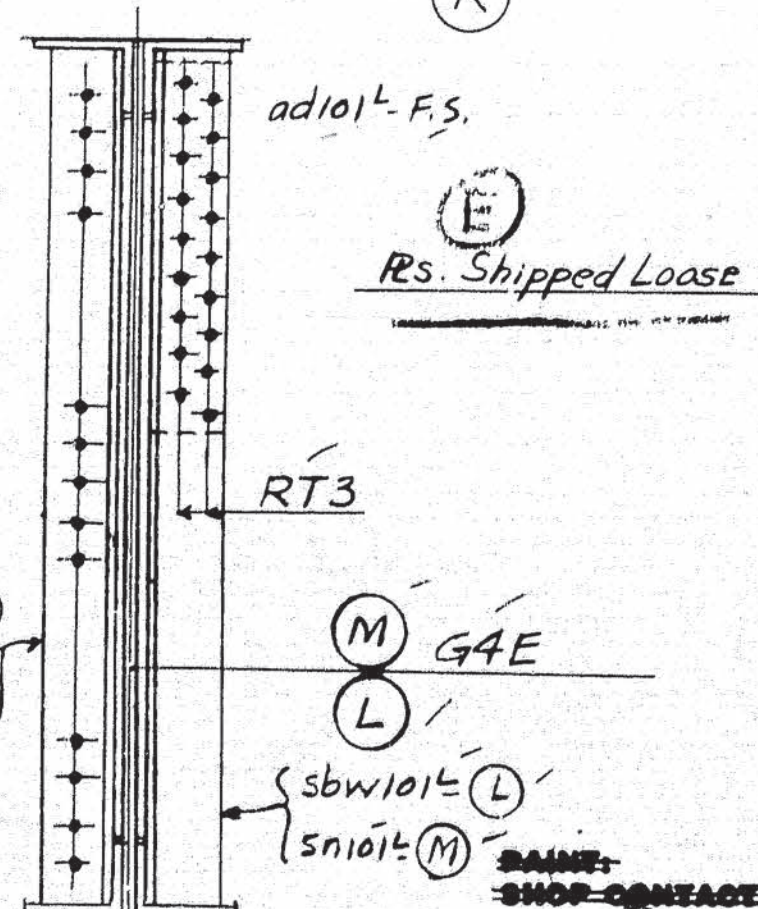
F	
E	
D	
C	
B	
A	

ORDER No. Q4150 SHEET No. 202

AM. BN 203

Welding
62-186





F	
E	18-54
D	3-12-54
C	3-4-54
B	2-16-54
X	2-22-54
REVISIONS	

STATE HIGHWAY COMMISSION
BANGOR - BREWER BRIDGE
PENOBSCOT RIVER
BANGOR, MAINE

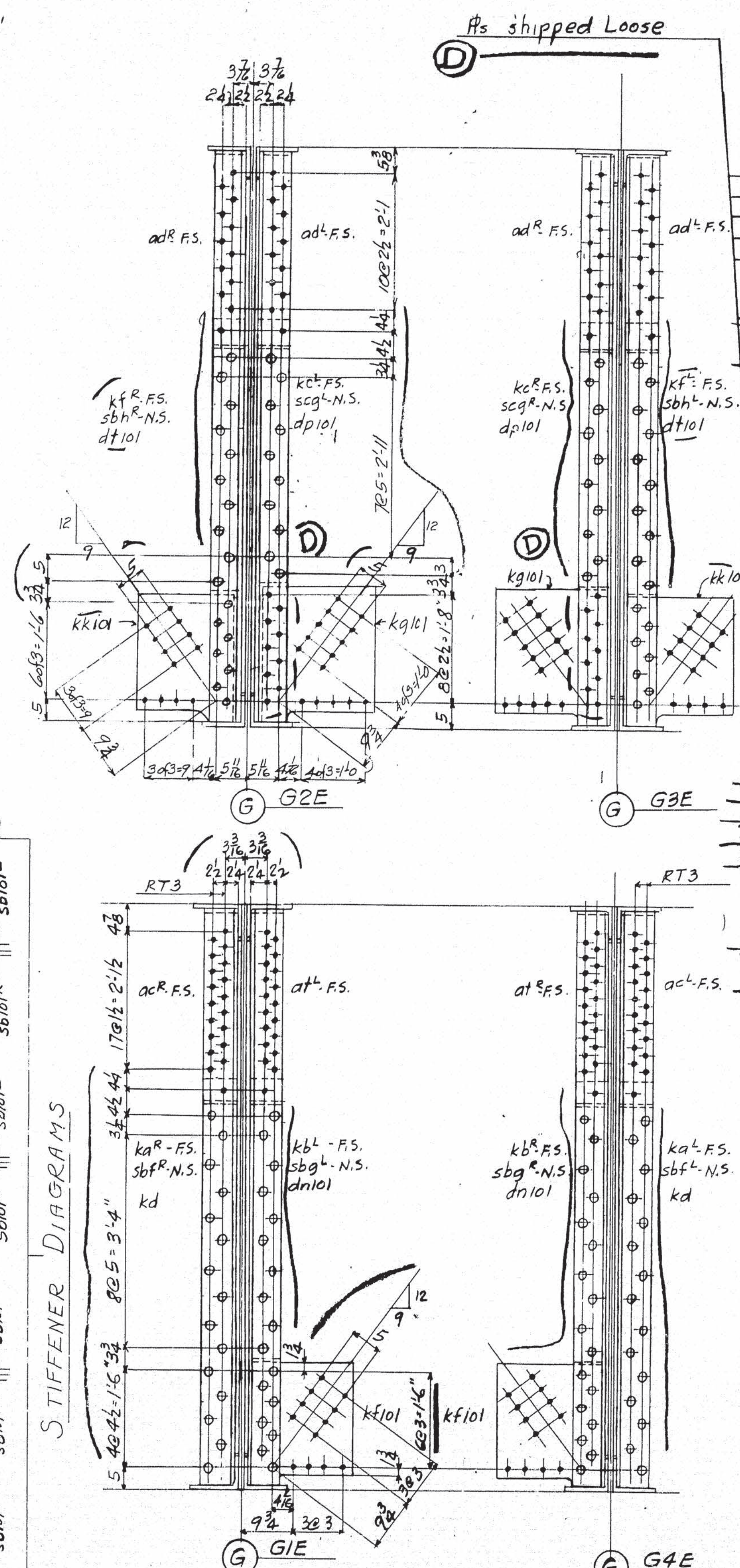
DE: 1000-9-51 PERCHLTEX
AMERICAN BRIDGE COMPANY
UNITED STATES STEEL CORPORATION SUBSIDIARY

DRAWINGS MADE AT TRENTON PLANT
WORK FABRICATED AT AMBRIDGE PLANT
IN CHARGE OF MARKS
DRAW. MADE BY RNG DATE _____
DRAW. CHECKED BY FEL DATE 7-12-54

ORDER NO. 710 SHEET NO. 301Bc
Q4150

ORDER NO. Q4150 SHEET NO. 301 BC

WELD
62-188

[illegible]

NOTES:

SPECIFICATIONS: Maine State Highway Commission 1945 and Special Provisions

MATERIAL: O.H. Steel A.S.T.M. A7-52T

RIVETS: $\frac{7}{8}$ " $\frac{1}{2}$ " Unless noted.

WORKMANSHIP: Holes in material thicker than the diameter of the rivet shall be drilled.

Holes in main material, including holes at splices, in bearing stiffeners and splice plates to be subpunched or subdrilled $\frac{1}{8}$ " and reamed to size.

Holes marked RT to be subpunched or subdrilled $\frac{1}{8}$ " and reamed to size to a metal template.

Holes marked RA to be subpunched or subdrilled $\frac{1}{8}$ " and reamed to size while connecting members are assembled to cambered position. (See Sh. E102)

Connecting members to be matchmarked.

Fillers and splice plates under stiffeners to fit within $\frac{1}{8}$ " of flange angles.

B.E. indicates bearing end of stiffeners.

PAINT: Yes, except as shown in Section K.

SHOP CONTACT SURFACES: No

F	
E	
D	B-
C	A-

LINE	Tall Feet	Tall Feet in Poles	Tall Feet in Poles	MATERIAL		ASSEMBLY MARK	REMARKS	ORDERED		CALCULATED WEIGHT FOR ONE SHIP PRICE
				SHAPE	Length Feet			ITEM		
1										
2										
3										
4				ONE GIRDER	7 1/2		60513	Do Not Charge		394.8
5				ONE GIRDER	7 1/2		59914	↑ ↓		394.8
6				ONE GIRDER	7 1/2		60035	↑ ↓		394.8
7				ONE GIRDER	7 1/2		60530	Do Not Charge		394.8
8							Ded. 101			
9				A Web R	7 1/2	3	45 03	1 72 1/2 45 22	10.55	424.5
10				A Web R	7 1/2	3	43 10 1/2	1 72 1/2 43 16	10.57	413.3
11				A Web R	10 1/2	3	61 6 1/2	1000 71 1/2 31 7 3	10.49	358.9
12				A Web R	10 1/2	3	24 7 1/2	670 71 1/2 24 9	10.50	291.6
13				8 L 8	6	3	90 6 1/2	2 90 8 24	10.47	411.7
14				8 L 8	6	3	87 4 1/2	2 87 6 6	10.8	590.4
15				8 L 8	6	4	56 0 8	6 56 2	10.11	378.3
16				8 L 8	6	3	56 6 0 1/2	6 57 6	10.10	381.3
17										
18										
19				B Cov R	20	3	53 0	U.M. 2	1079	3152
20				B Cov R	20	3	48 11 1/2	U.M. 2	1081	2911
21				A Cov R	20	3	72 3	U.M. 8	1073	2290
22				A Cov R	20	3	36 11 1/2	U.M. 8 37 3	1083	1095
23				A Cov R	20	3	23 5	U.M. 1	1088	688
24				A Cov R	20	3	40 9 1/2	U.M. 8 41 1	1082	1209
25				A Cov R	20	3	26 23 1/2	U.M. 8 26 6	1087	775
26										
27										
28										
29				2 L G	4	3	11 1/2	Fin. 11. 01 1/2	36 2	1040
30				4 L 6	4	3	10 1/2	Fin. 11. 01 1/2	23 10	1042
31										
32				6 L 5	5	3 1/2	10 1/2	Grimp 17 1/2 17 1/2	40 0	1045
33				6 L 5	5	3 1/2	10 1/2	Grimp 17 1/2 17 1/2	40 0	1045
34										
35				6 L 5	5	3 1/2	10 1/2	Grimp 17 1/2 17 1/2	40 0	1045
36				12 L 5	5	3 1/2	10 1/2	Grimp 17 1/2 17 1/2	40 0	1045
37				6 L 5	4	3	10 1/2	Grimp 17 1/2 17 1/2	35 6	1044
38				6 L 5	4	3	10 1/2	Grimp 17 1/2 17 1/2	35 6	1044
39				8 L 5	5	3 1/2	10 1/2	Grimp 17 1/2 17 1/2	40 0	1045
40				4 L 5	5	3 1/2	10 1/2	Grimp 17 1/2 17 1/2	40 0	1045
41				2 L 5	6	4	3 1/2	Grimp 17 1/2 17 1/2	35 6	1044
42				2 L 6	4	3	11 1/2	Grimp 17 1/2 17 1/2	35 6	1044
43				6 L 5	6	3 1/2	10 1/2	Grimp 17 1/2 17 1/2	40 0	1045
44				16 L 5	5	3 1/2	10 1/2	Grimp 17 1/2 17 1/2	40 0	1045
45				2 L 5	6	3 1/2	10 1/2	Grimp 17 1/2 17 1/2	35 6	1044
46				8 L 5	5	3 1/2	10 1/2	Grimp 17 1/2 17 1/2	40 0	1045
47				8 L 5	6	3 1/2	10 1/2	Grimp 17 1/2 17 1/2	40 0	1045

LIFTING WEIGHT = 32 TONS

STATE OF MAINE
STATE HIGHWAY COMMISSION
BANGOR - BREWER BRIDGE
PENOBSCOT RIVER
BANGOR, MAINE

AMERICAN BRIDGE
DIVISION
UNITED STATES STEEL COMPANY

54	DRAWINGS MADE AT	<u>TRENTON</u>	PLANT
52	WORK FABRICATED AT	<u>AMBRIDGE</u>	PLANT
54	IN CHARGE OF	<u>E.B. MARKS</u>	
4	DRAW. MADE BY	<u>R.N.G</u>	DATE <u>9/29/53</u>
NS	DRAW. CHECKED BY	<u>FEL</u>	DATE <u>2-12-54</u>
	ORDER No.		SHOOT No.
	<u>Q4150</u>		<u>301C</u>

Adv. Bill

Hand-drawn structural steel detail drawing of a bridge section, labeled SECTION (A) and SECTION (B). The drawing shows a plan view of a bridge with multiple spans, including a central section labeled "43'-4 0/10 Dams". It includes various structural components like girders, beams, and supports, with dimensions and labels for different parts. Key labels include "SECTION (A)", "SECTION (B)", "Gutter Line", "ED1", "ED2", "ED3", "ED4", "Grind to 1/2 R", "Keep Corners clear of weld", and "Alternate tooth each side". Dimensions are given in feet and inches, and some parts are labeled with "1/2" or "3/4" indicating thickness or slope. The drawing is a technical sketch of a bridge structure.

NOTE:
Finger Plates on Dams Framing
opposite each other must be
cut from one plate to insure
correct fitting of Fingers.
Before cutting Finger Plates
groove plates as shown in Detail

Width of $\bar{R}$ before cutting finger R_s

DETAIL "a"

STATE OF MAINE
STATE HIGHWAY COMMISSION
BANGOR-BREWER BRIDGE
OVER PENOBSCOT RIVER
BANGOR, MAINE
D-88 1500 3-43 PENCIL/EX
AMERICAN BRIDGE
DIVISION
UNITED STATES STEEL CORPORATION

DRAWINGS MADE AT TRENTON PLANT
WORK FABRICATED AT AMBRIDGE PLANT
IN CHARGE OF E.B. MARKS
DRAW. MADE BY THRC DATE 10-20-53
DRAW. CHECKED BY ELR DATE 2-15-54

ORDER No. Q4150 SHEET No. 30.2 AB

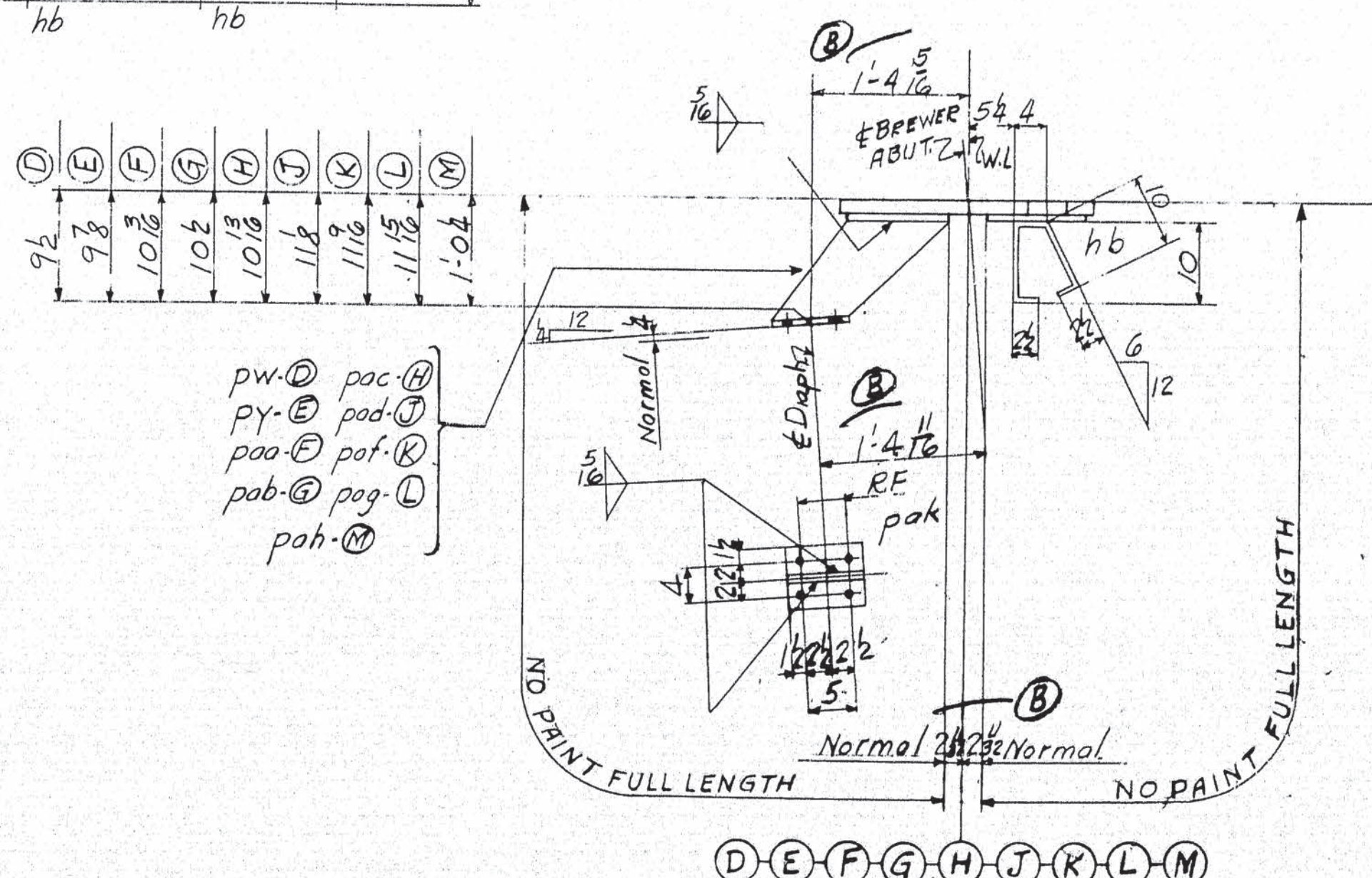
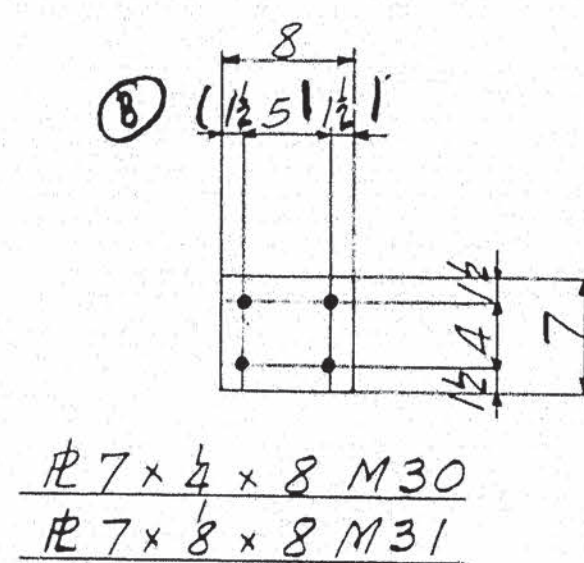
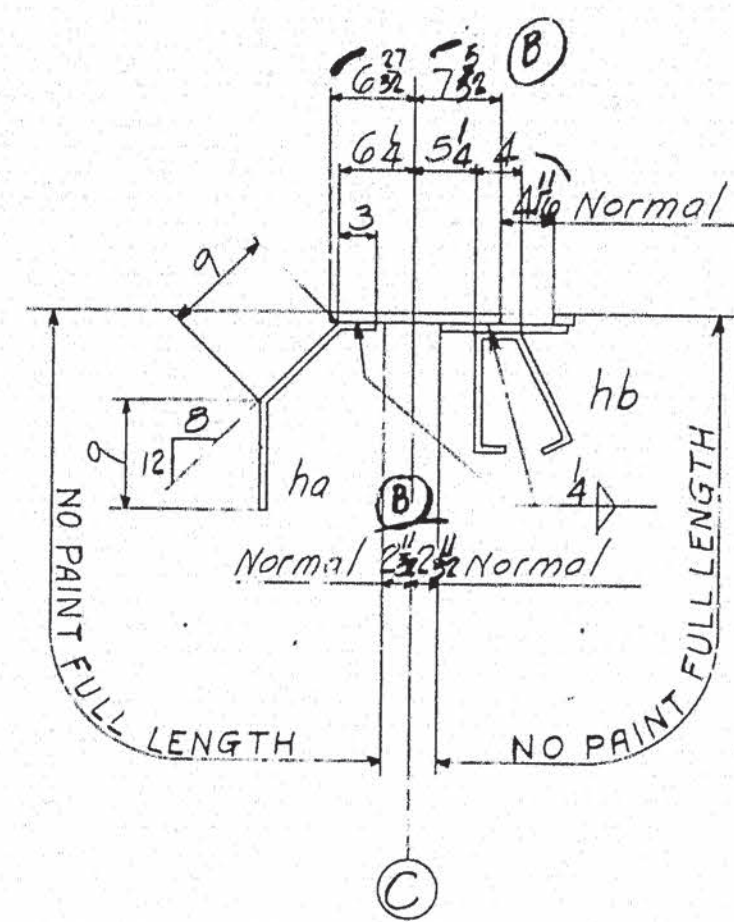
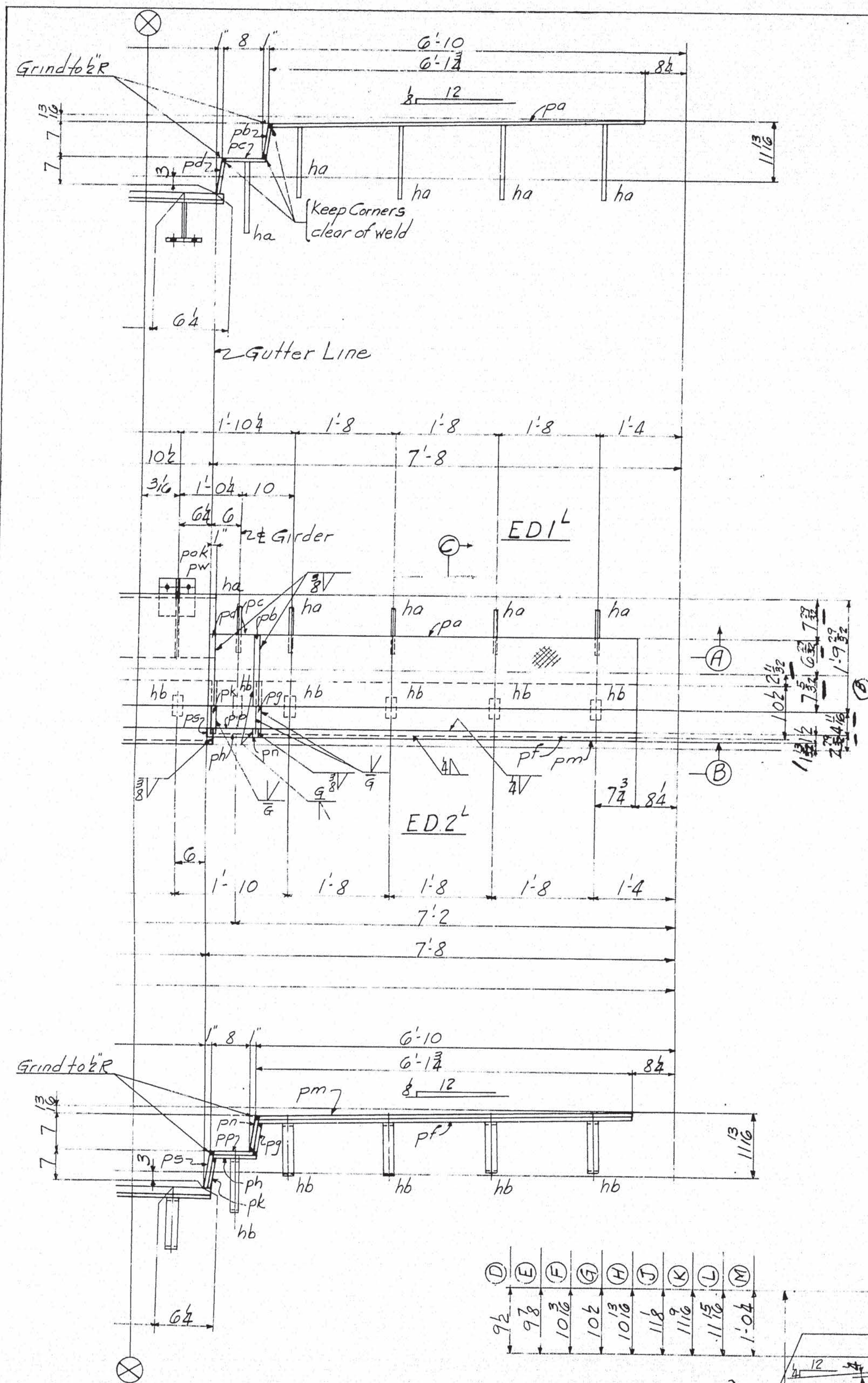
PAINT:
SHOP CONTACT SURFACES:

F	
E	
D	
C	
B	
X	
REVISIONS	

▲▲▲

WELD
62-196

LINE	ITEM	MATERIAL	SHAPE	LENGTH	ASSEMBLY MARK	REMARKS	ORDERED	ITEM	CALCULATED WEIGHT FOR ONE RAMP, PIER



NOTES:
 Specifications: Maine State Highway Comm. 1945
 & Special Provisions
 Material: A.H. Steel ASTM A7-52T
 Holes: 1/8"
 Workmanship:
 Holes marked RF to be subpunched & and reamed to size in the field.

LINE	ITEM	MATERIAL	SHAPE	LENGTH	ASSEMBLY MARK	REMARKS	ORDERED	ITEM	CALCULATED WEIGHT FOR ONE RAMP, PIER
1									
2									
3									
4									
5									
6									
7									
8	ONE EXPANSION DAM	ED1L							169
9	ONE EXPANSION DAM	ED1L							
10									
11	2 R	14 3/8	6 1/2	po	5300		S		117
12	2 R	14 3/8	6 1/2	pb	5300		S		117
13	2 R	14 3/8	8	pc	5300		S		13
14	2 R	14 3/8	6 1/2	pd	5300		S		117
15	10 R	6 1/2	1 7/8	ha	Bent	3/4 D.I. BENT	AS		1091
16									
17									
18	ONE EXPANSION DAM	ED2L							150
19	ONE EXPANSION DAM	ED2L							
20									
21	2 R	10 1/2	6 1/2	pf			S		82
22	2 R	10 1/2	6 1/2	pg			S		7
23	2 R	10 1/2	8 1/2	ph			S		9
24	2 R	10 1/2	6 1/2	pk			S		7
25	2 Bars	12 3/4	6 1/2	pm			S		12
26	2 Bars	12 3/4	6 1/2	pn			S		1
27	2 Bars	12 3/4	8	pp			S		1
28	2 Bars	12 3/4	6 1/2	po			S		1
29	10 Bars	2 1/2	2 1/2	hb	Bent	3/4 D.I. BENT	AS		21
30									
31									
32	ONE EXPANSION DAM	ED3							2892
33									
34	1 R	22 1/2	13 1/2	pt			S		941
35	1 R	22 1/2	14 1/2	pv			S		936
36	2 R	7 1/2	1 1/2	pvi			12 AS		24
37	2 R	7 1/2	1 1/2	py			13 AS		24
38	2 R	7 1/2	1 1/2	poo			13 AS		26
39	2 R	8 1/2	1 1/2	pob			14 AS		26
40	2 R	8 1/2	1 1/2	poc			14 AS		28
41	2 R	8 1/2	1 1/2	pod			15 AS		28
42	2 R	9 1/2	1 1/2	pot			15 AS		30
43	2 R	9 1/2	1 1/2	pag			16 AS		31
44	2 R	9 1/2	1 1/2	pah			17 AS		31
45	1 R	12 1/2	28	hc	Bent		S		575
46	18 R	7 1/2	8	pok			7 AS		137
47									
48									
49	ONE EXPANSION DAM	ED4							2346
50									
51	1 R	22 1/2	14 1/2	pom			S		826
52	1 R	22 1/2	13 1/2	pon			S		831
53	1 R	12 1/2	28	hd	Bent		S		515
54	19 Bars			hb					75
55									
56									
57									
58	18 R	7 1/2	8	M30			S		
59	36 R	7 1/2	8	M31			S		
60									
61									
62									
63									
64									
65									
66									
67									

EXPANSION DAMS ED1L-ED2L-ED3-ED4

STATE OF MAINE
 STATE HIGHWAY COMMISSION
 BANGOR-BREWER BRIDGE
 OVER PENOBSCOT RIVER
 BANGOR, MAINE

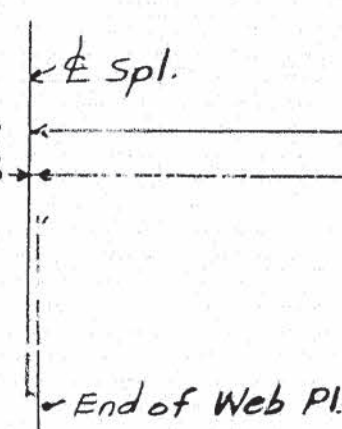
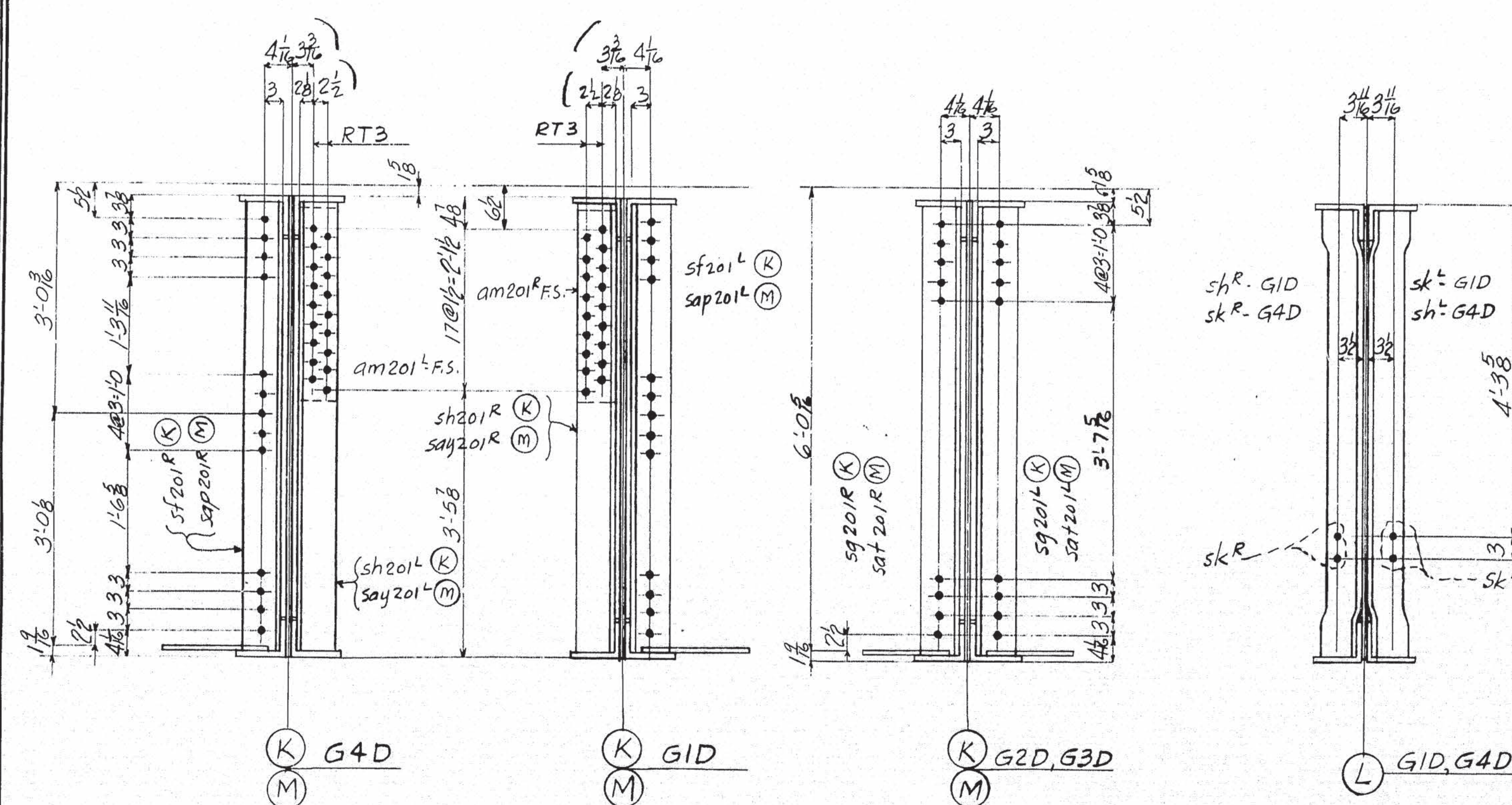
AMERICAN BRIDGE

DRAWINGS MADE AT TRENTON PLANT
 WORK FABRICATED AT AMBRIDGE PLANT
 IN CHARGE OF E.B. MARKS
 DRAW. MADE BY: 6400 DATE: 10-23-53
 DRAW. CHECKED BY: 6400 DATE: 2-15-54
 ORDER No. Q4150 SHEET No. 302B

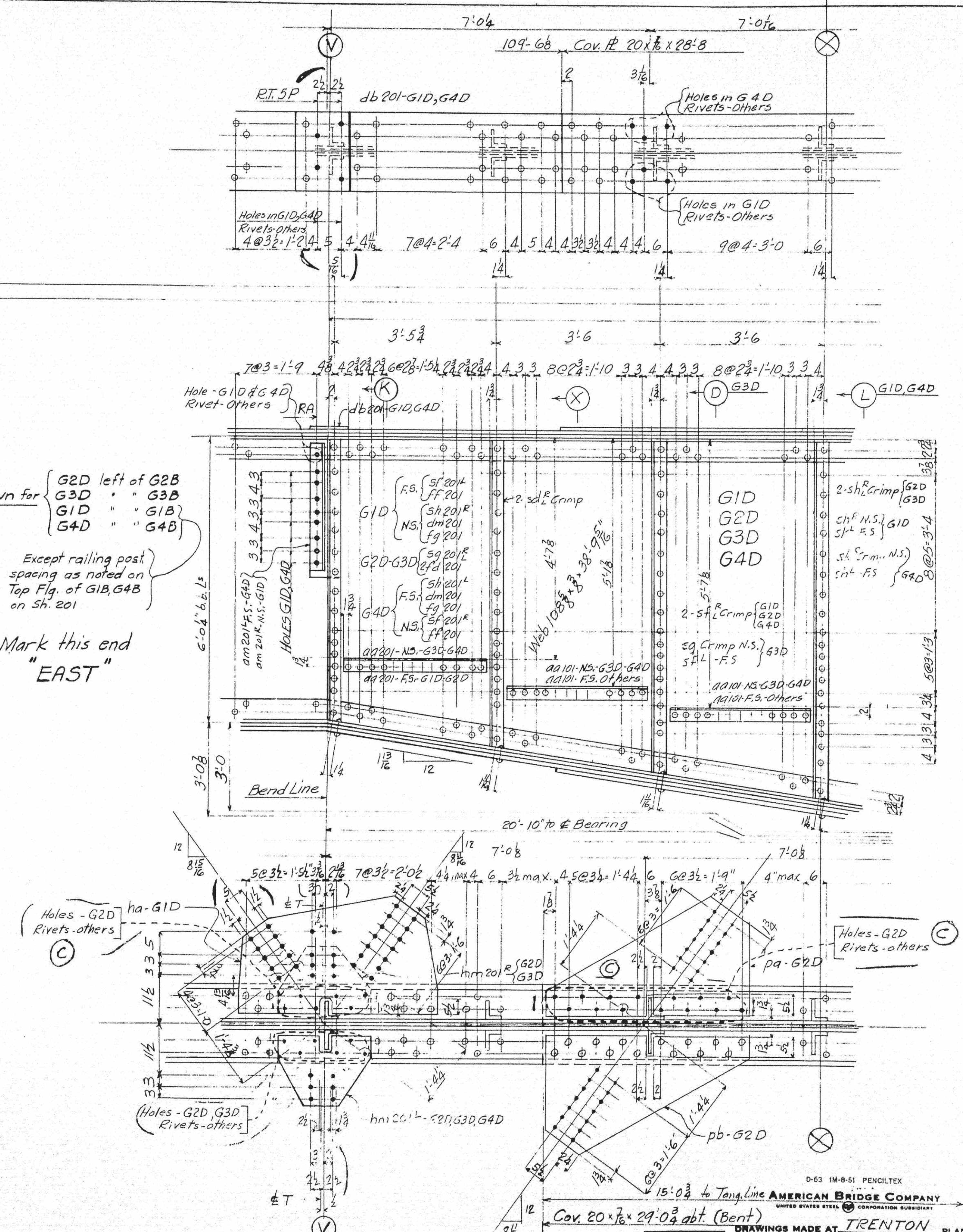
PAINT: Yes
 SHOP CONTACT SURFACES: No

MR. 303

62-191 Weld



B { Mark this end
"EAST"



STATE OF MAINE
STATE HIGHWAY COMMISSION
BANGOR BREWER BRIDGE
PENOBSCOT RIVER
BANGOR MAINE

15-03 to Tong.Line
29-03 ddt. (Bent)

D-63 1M-8-51 PENCILTEX
AMERICAN ROPING COMPANY
UNITED STATES STEEL CORPORATION SUBSIDIARY

DRAWINGS MADE AT TRENTON PLANT
WORK FABRICATED AT AMBERIDGE PLANT
IN CHARGE OF E.B. MARKS
DRAW. MADE BY DATE 2-54
DRAW. CHECKED BY FEL DATE 2-18-54
ORDER No. SHEET No.
Q 4150 4014C

F	
E	
D	
C	5-10-54
B	3-12-54
X	2-22-54
REVIEWS	

Adv. Bill

WELD

62-192