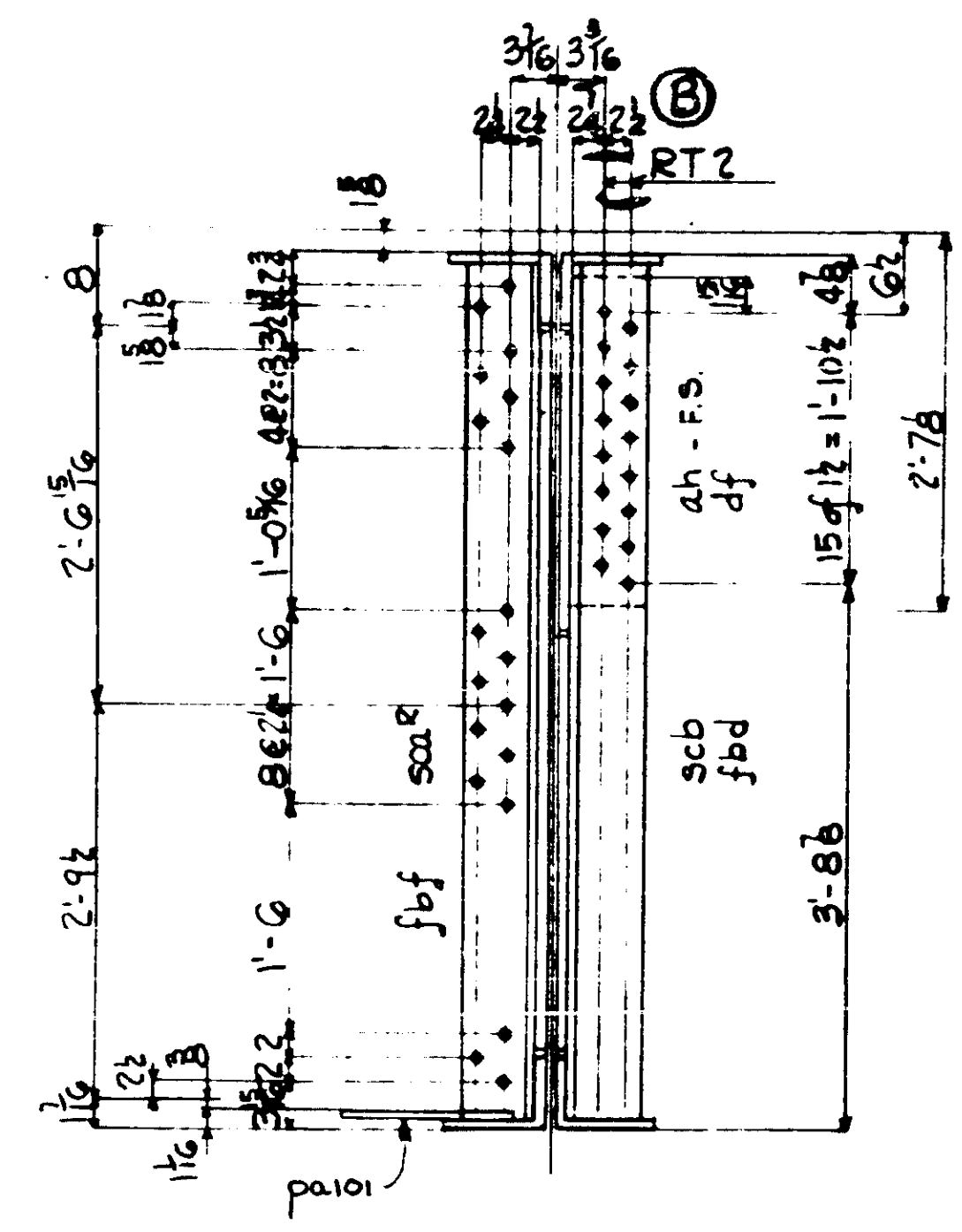
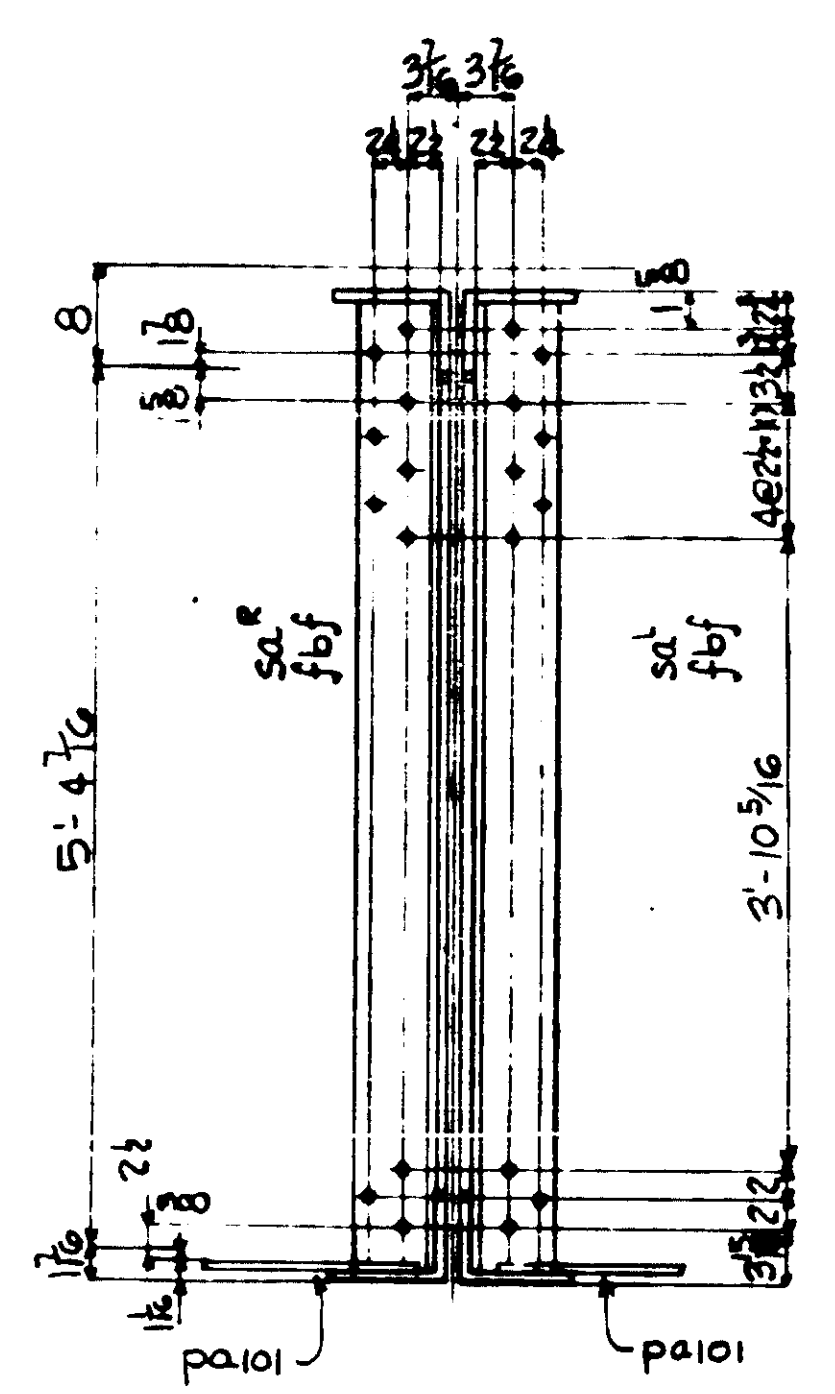


F	DRAWINGS MADE AT	KENTON	PLANT
E	5-17-54	WORK FABRICATED AT	AMBRIDGE PLANT
D	3-12-54	IN CHARGE OF	E.B. MARKS
C	3-2-54	DRAW. MADE BY	W.J.P. DATE 7-22-54
B	2-19-54	DRAW. CHECKED BY	FEL DATE 1-29-54
X	2-12-54	ORDER No.	SHEET No.
REVISIONS		Q4150	101DE

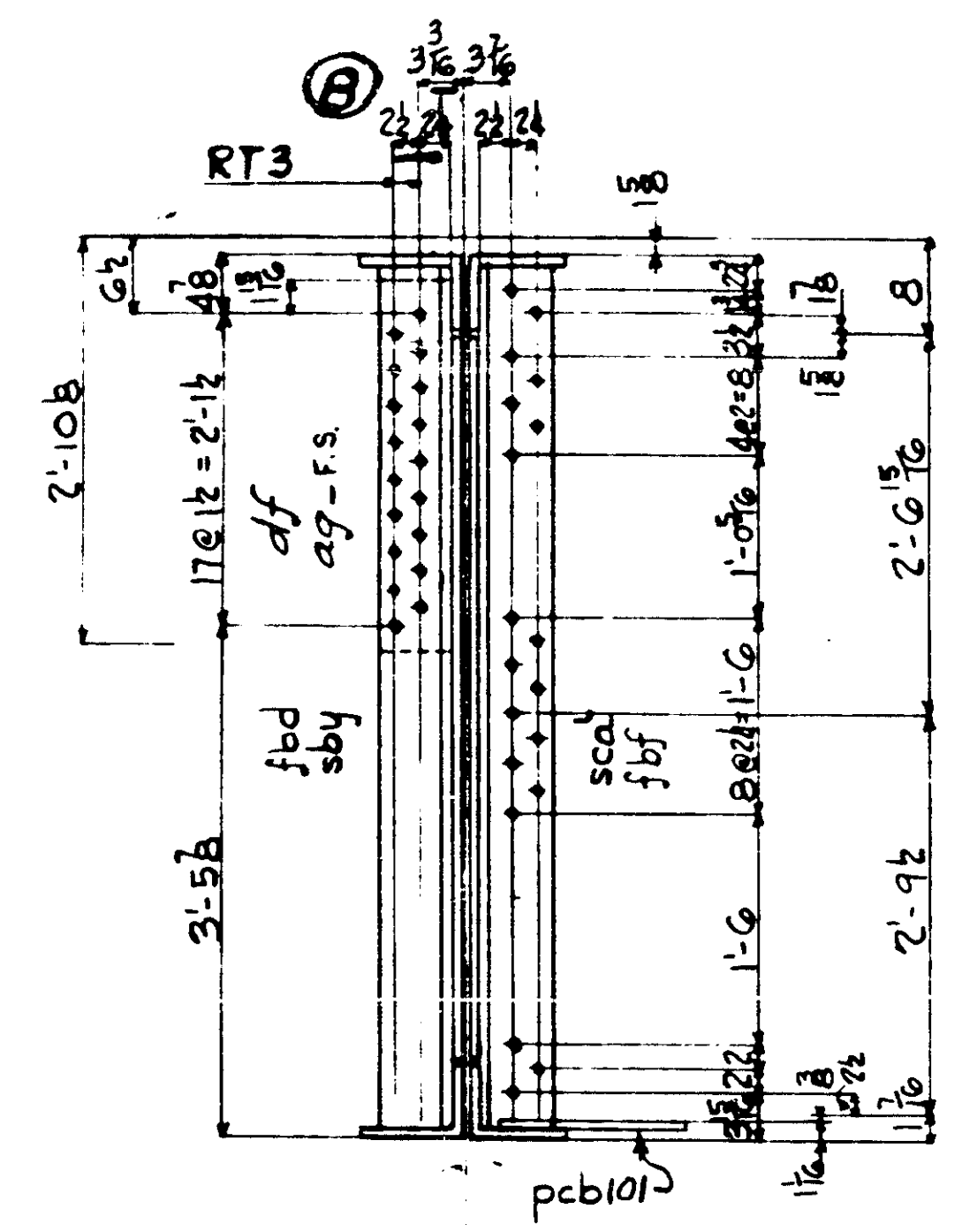
REV	DATE	BY	CHK	DESCRIPTION
1				As Shipped
2				As Shipped
3				As Shipped
4				As Shipped
5				As Shipped
6				As Shipped
7				As Shipped
8				As Shipped
9				As Shipped
10				As Shipped
11				As Shipped
12				As Shipped
13				As Shipped
14				As Shipped
15				As Shipped
16				As Shipped
17				As Shipped
18				As Shipped
19				As Shipped
20				As Shipped
21				As Shipped
22				As Shipped
23				As Shipped
24				As Shipped
25				As Shipped
26				As Shipped
27				As Shipped
28				As Shipped
29				As Shipped
30				As Shipped
31				As Shipped
32				As Shipped
33				As Shipped
34				As Shipped
35				As Shipped
36				As Shipped
37				As Shipped
38				As Shipped
39				As Shipped
40				As Shipped
41				As Shipped
42				As Shipped
43				As Shipped
44				As Shipped
45				As Shipped
46				As Shipped
47				As Shipped
48				As Shipped
49				As Shipped
50				As Shipped
51				As Shipped
52				As Shipped
53				As Shipped
54				As Shipped
55				As Shipped
56				As Shipped
57				As Shipped
58				As Shipped
59				As Shipped
60				As Shipped
61				As Shipped
62				As Shipped
63				As Shipped
64				As Shipped
65				As Shipped
66				As Shipped
67				As Shipped
68				As Shipped
69				As Shipped
70				As Shipped
71				As Shipped
72				As Shipped
73				As Shipped
74				As Shipped
75				As Shipped
76				As Shipped
77				As Shipped
78				As Shipped
79				As Shipped
80				As Shipped
81				As Shipped
82				As Shipped
83				As Shipped
84				As Shipped
85				As Shipped
86				As Shipped
87				As Shipped
88				As Shipped
89				As Shipped
90				As Shipped
91				As Shipped
92				As Shipped
93				As Shipped
94				As Shipped
95				As Shipped
96				As Shipped
97				As Shipped
98				As Shipped
99				As Shipped
100				As Shipped
101				As Shipped
102				As Shipped
103				As Shipped
104				As Shipped



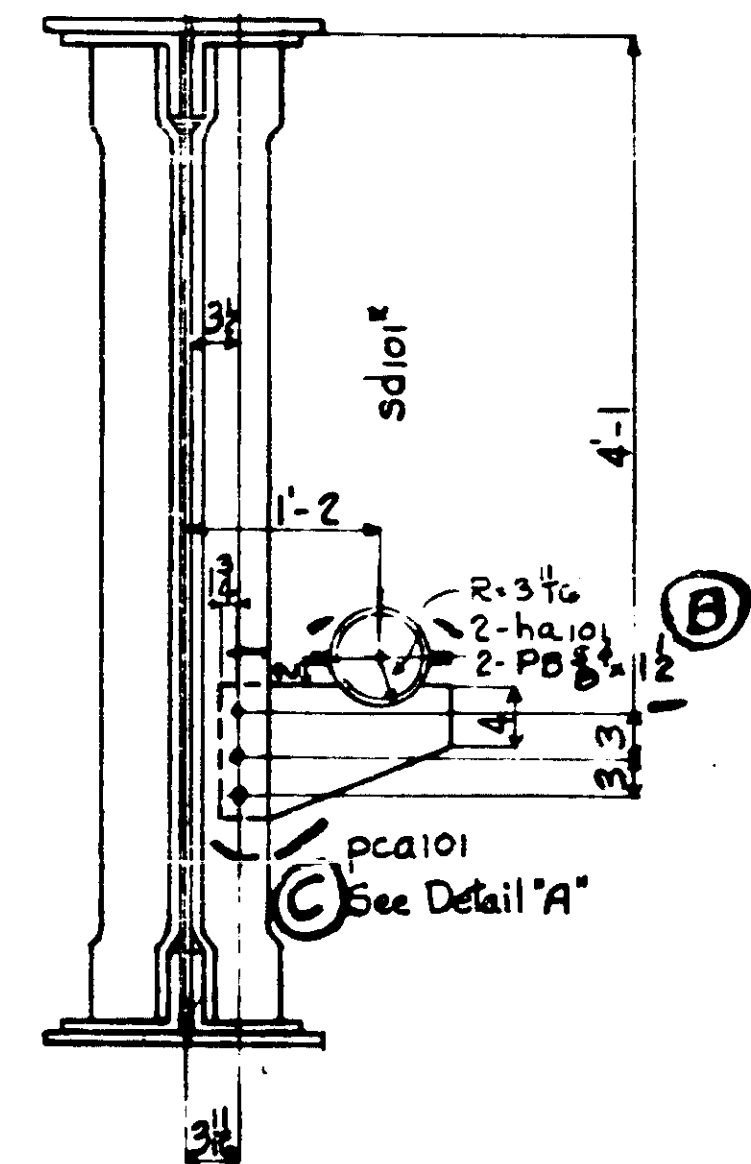
SECTION A-GIA



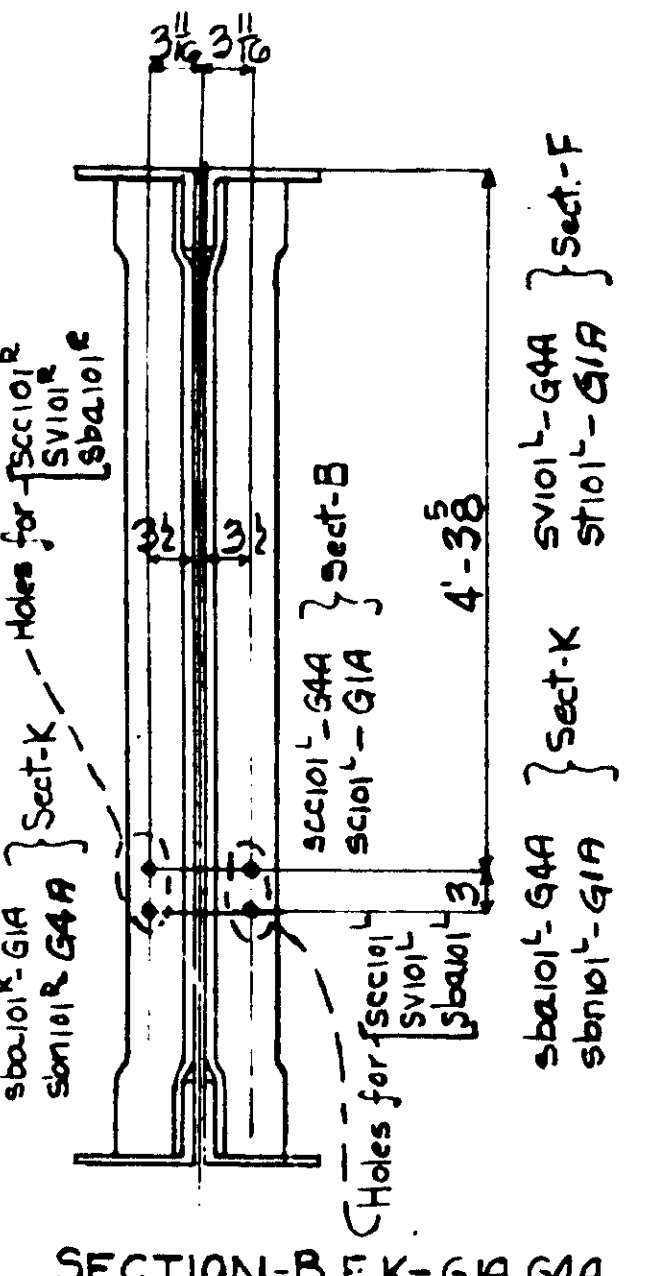
SECTION A-G2A,G3A



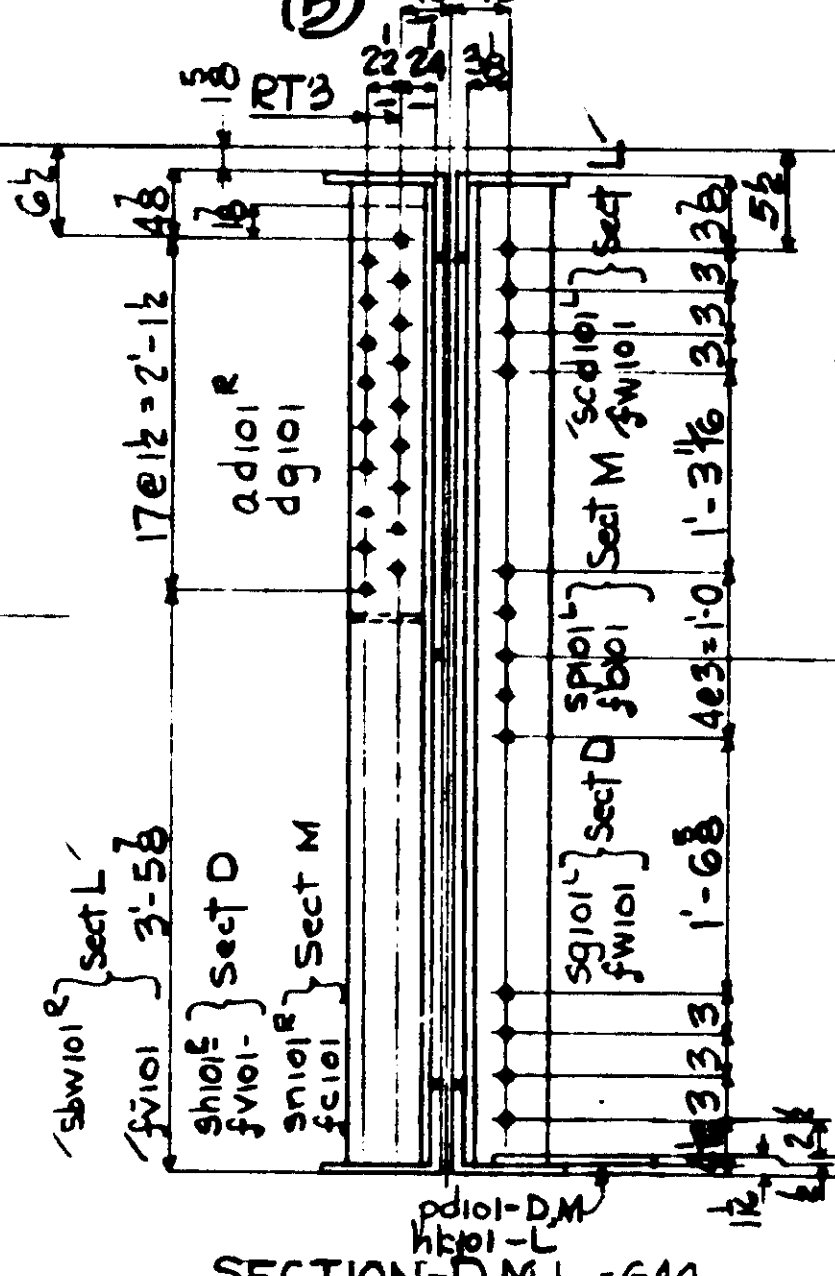
SECTION A-G4A



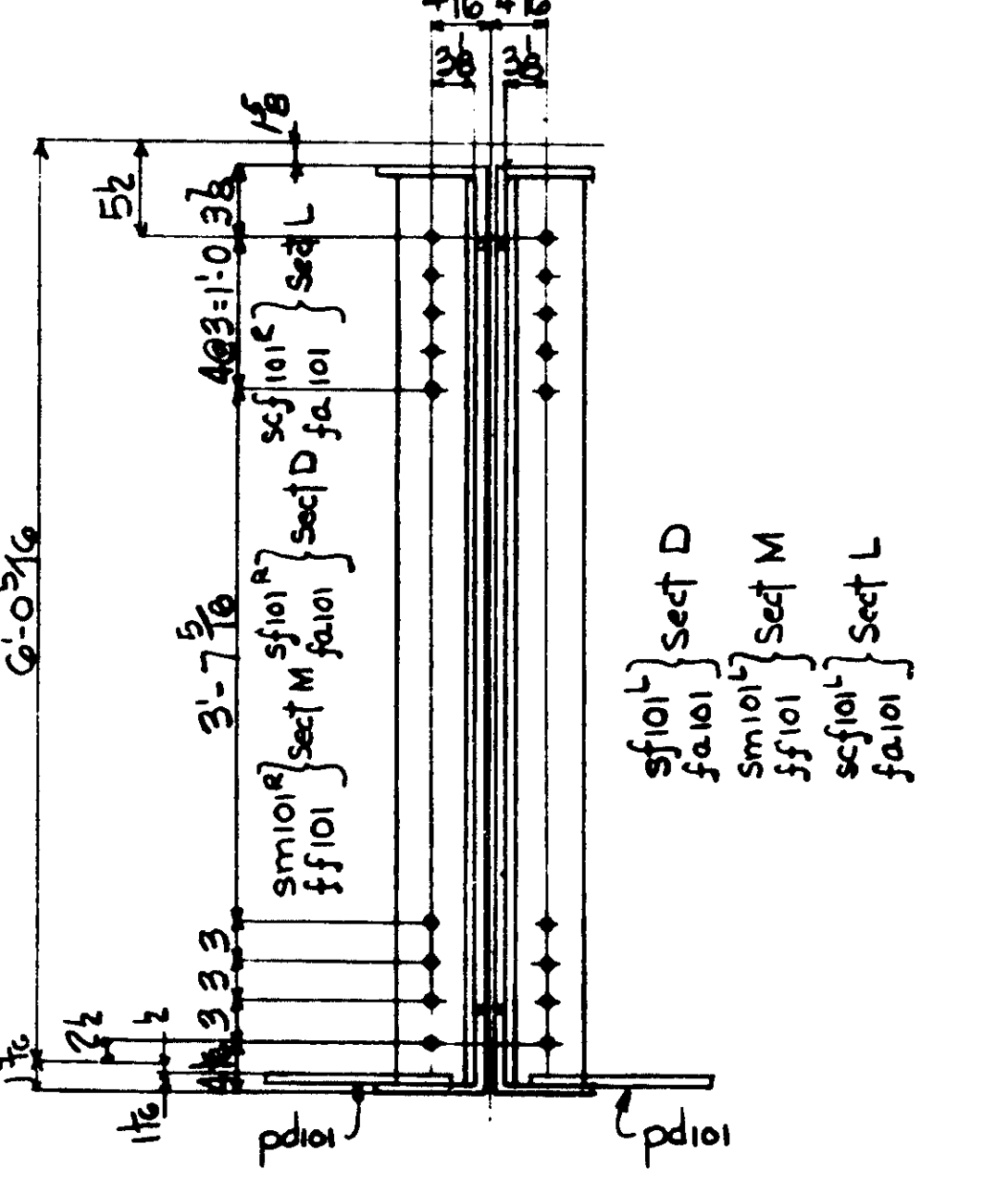
SECTION B-G3A



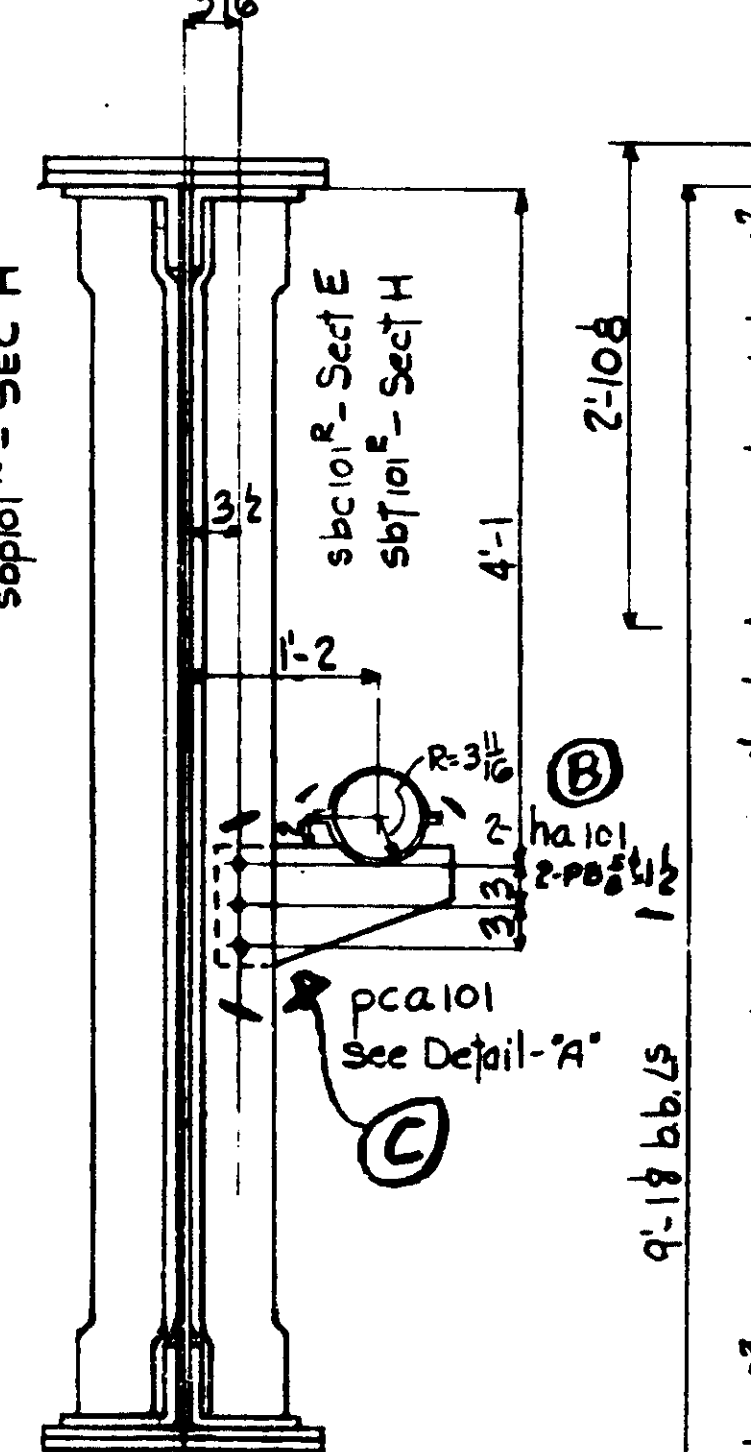
SECTION B-G1A,G4A



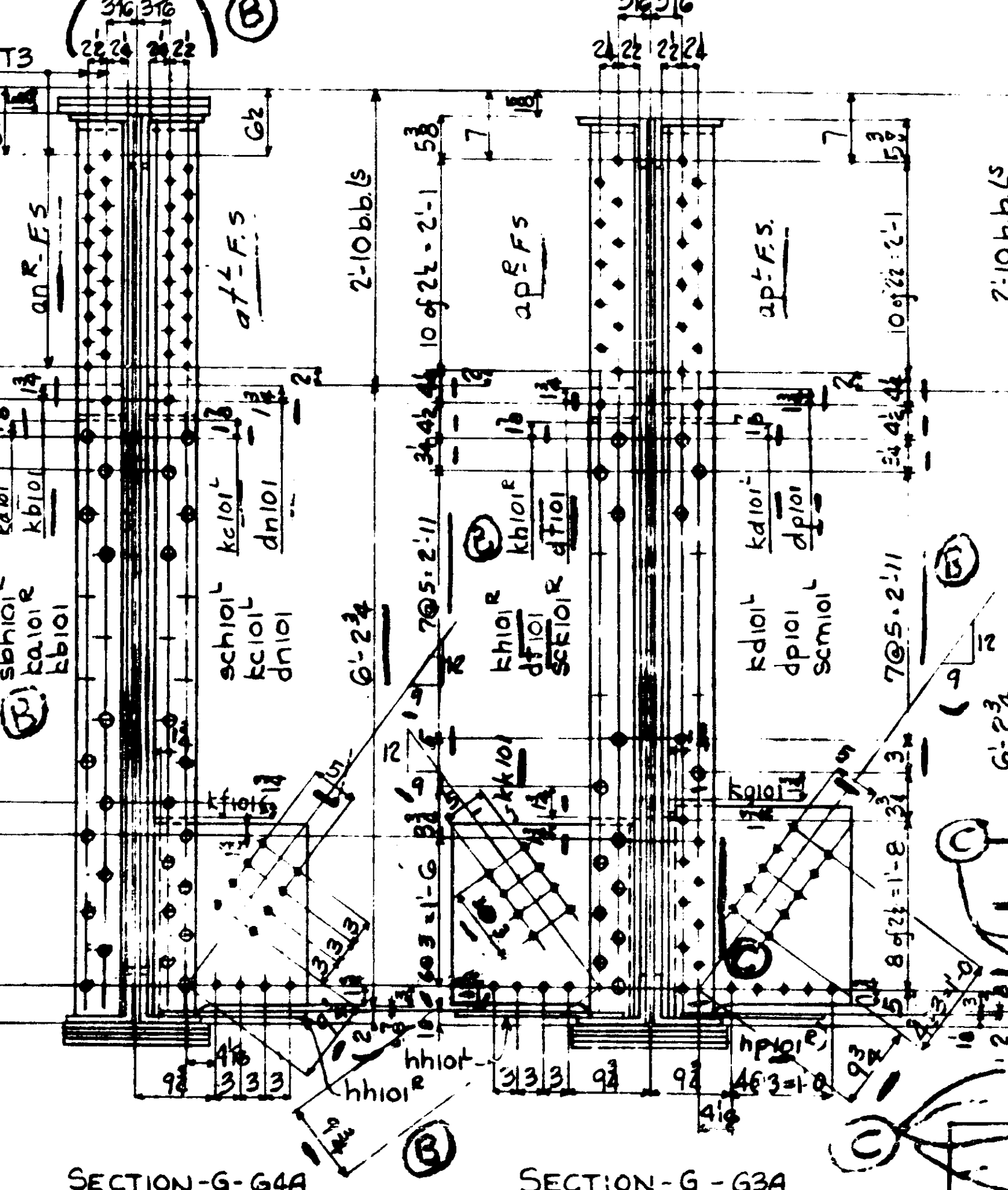
SECTION D.M.L.-G4A



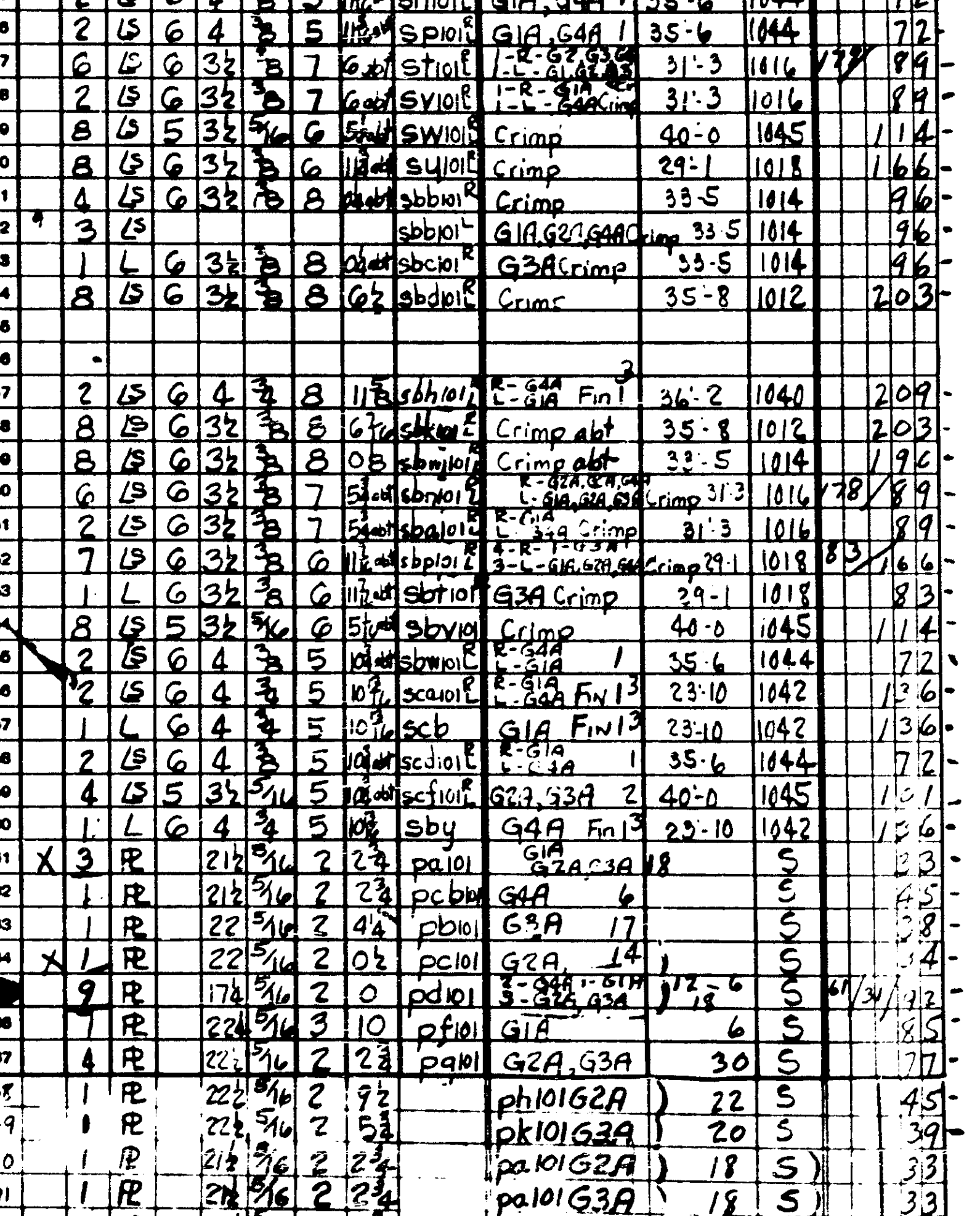
SECTION D.M.L.-G2A,G3A



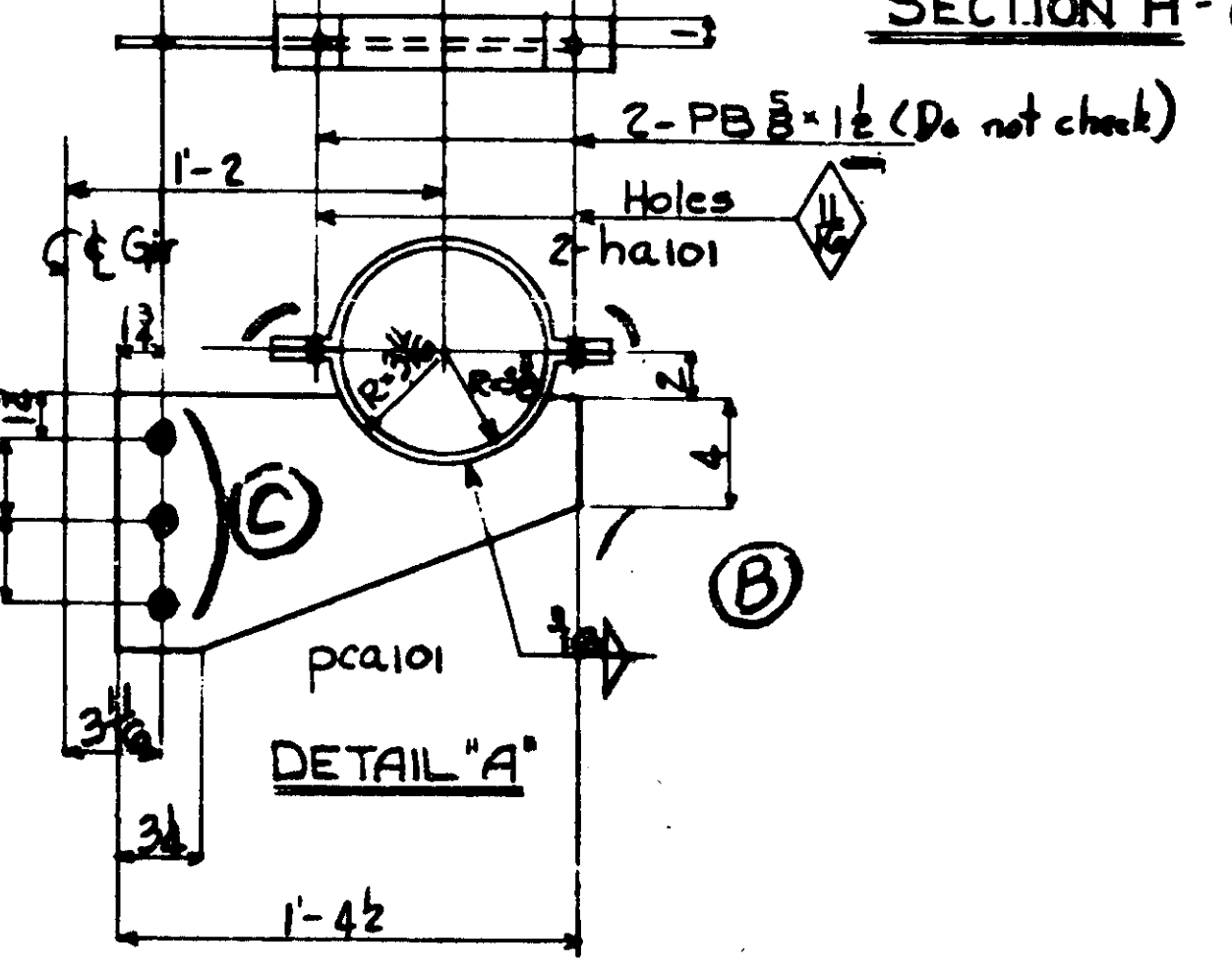
SECTION E-G3A



SECTION G-G4A



SECTION G-G3A



DETAIL 'A'

REV	DATE	BY	CHK	DESCRIPTION
1				As Shipped
2				As Shipped
3				As Shipped
4				As Shipped
5				As Shipped
6				As Shipped
7				As Shipped
8				As Shipped
9				As Shipped
10				As Shipped
11				As Shipped
12				As Shipped
13				As Shipped
14				As Shipped
15				As Shipped
16				As Shipped
17				As Shipped
18				As Shipped
19				As Shipped
20				As Shipped
21				As Shipped
22				As Shipped
23				As Shipped
24				As Shipped
25				As Shipped
26				As Shipped
27				As Shipped
28				As Shipped
29				As Shipped
30				As Shipped
31				As Shipped
32				As Shipped
33				As Shipped
34				As Shipped
35				As Shipped
36				As Shipped
37				As Shipped
38				As Shipped
39				As Shipped
40				As Shipped
41				As Shipped
42				As Shipped
43				As Shipped
44				As Shipped
45				As Shipped
46				As Shipped
47				As Shipped
48				As Shipped
49				As Shipped
50				As Shipped
51				As Shipped
52				As Shipped
53				As Shipped
54				As Shipped
55				As Shipped
56				As Shipped
57				As Shipped
58				As Shipped
59				As Shipped
60				As Shipped
61				As Shipped
62				As Shipped
63				As Shipped
64				As Shipped
65				As Shipped
66				As Shipped
67				As Shipped
68				As Shipped
69				As Shipped
70				As Shipped
71				As Shipped
72				As Shipped
73				As Shipped
74				As Shipped
75				As Shipped
76				As Shipped
77				As Shipped
78				As Shipped
79				As Shipped
80				As Shipped
81				As Shipped
82				As Shipped
83				As Shipped
84				As Shipped
85				As Shipped
86				As Shipped
87				As Shipped
88				As Shipped
89				As Shipped
90				As Shipped
91				As Shipped
92				As Shipped
93				As Shipped
94				As Shipped
95				As Shipped
96				As Shipped
97				As Shipped
98				As Shipped
99				As Shipped
100				As Shipped
101				As Shipped
102				As Shipped
103				As Shipped
104				As Shipped

STIFFENER DETAIL

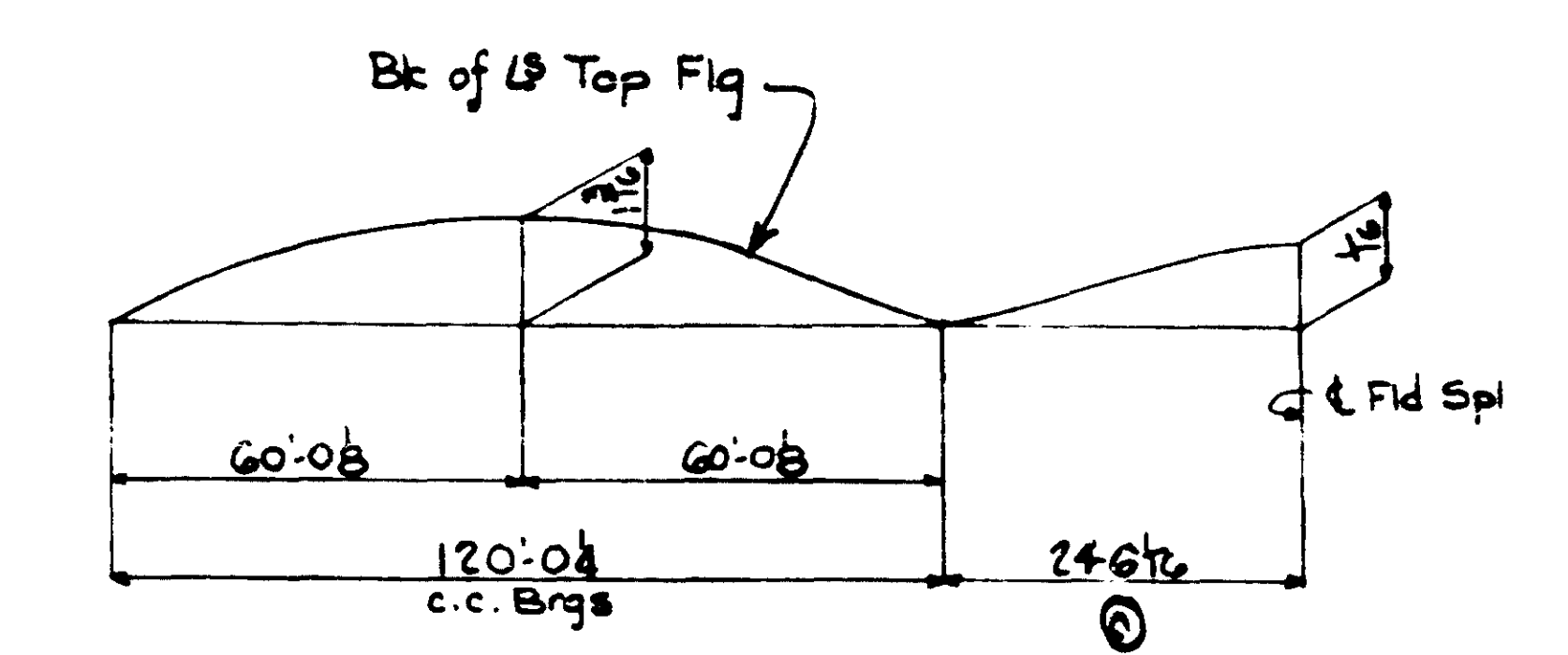
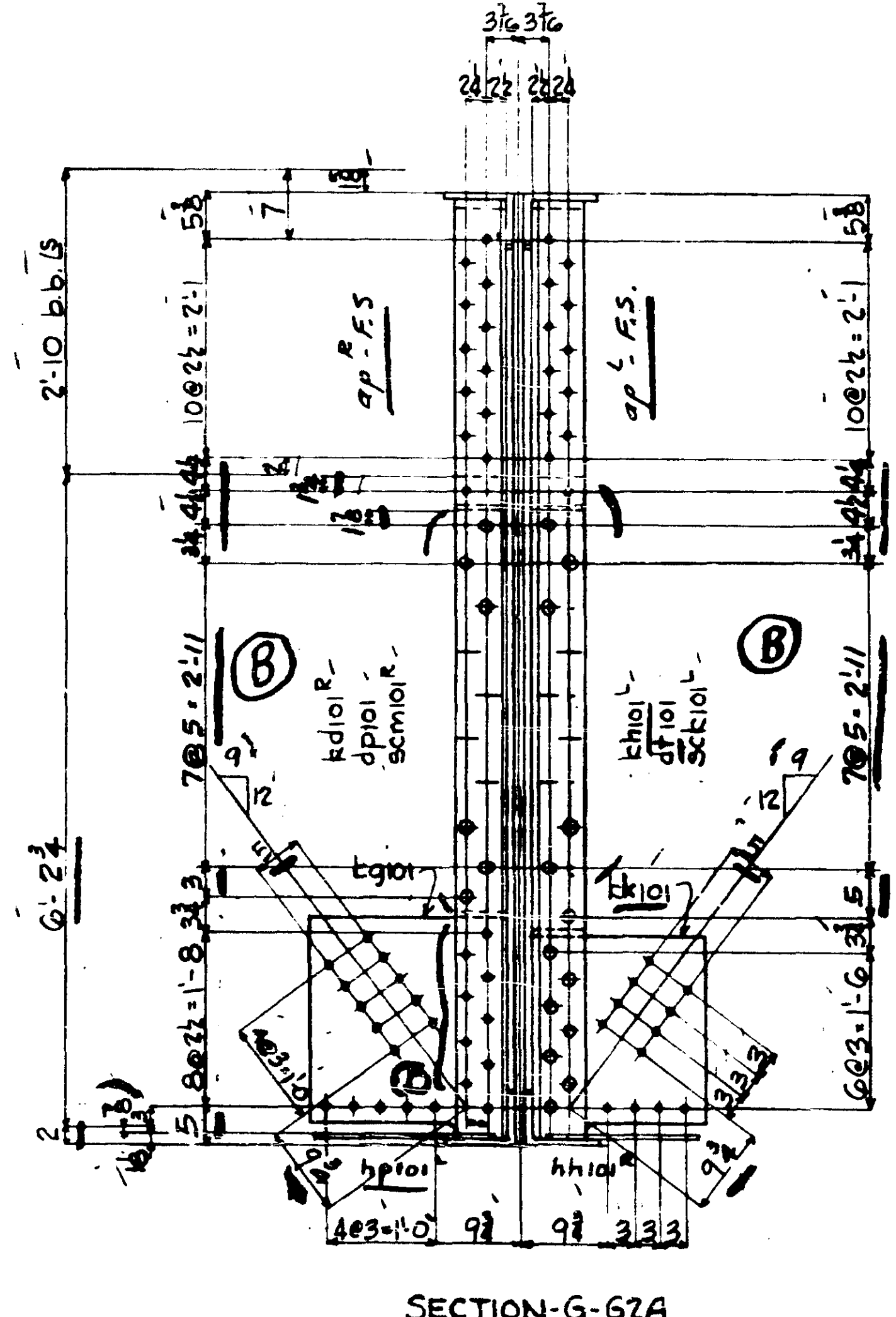
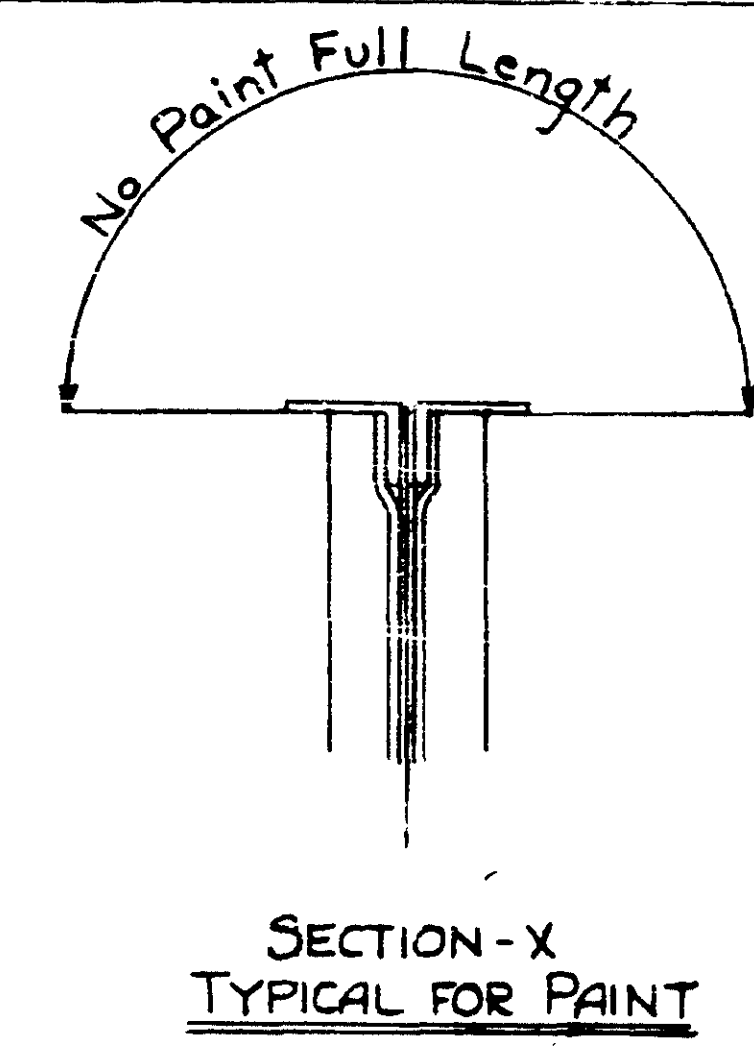
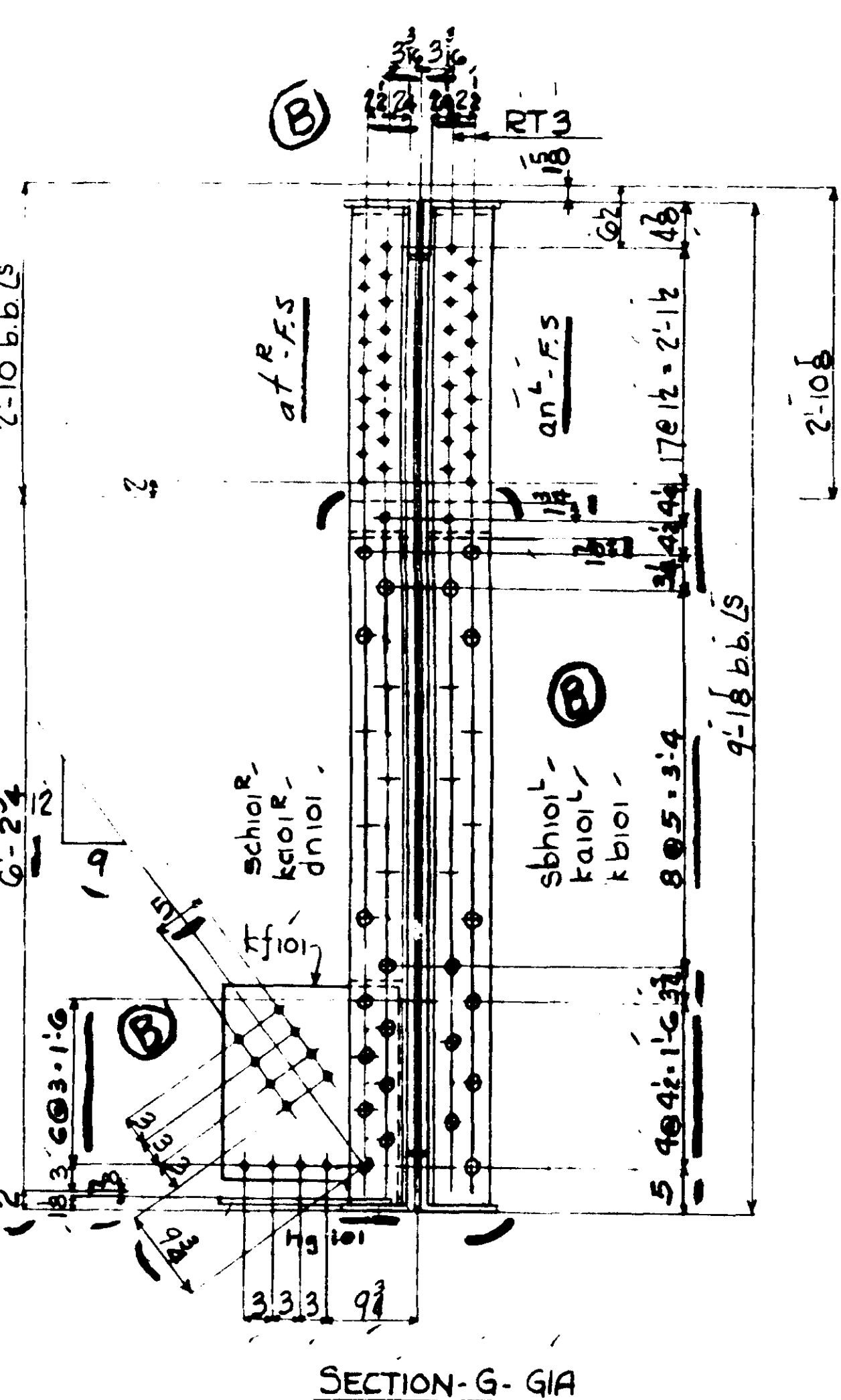
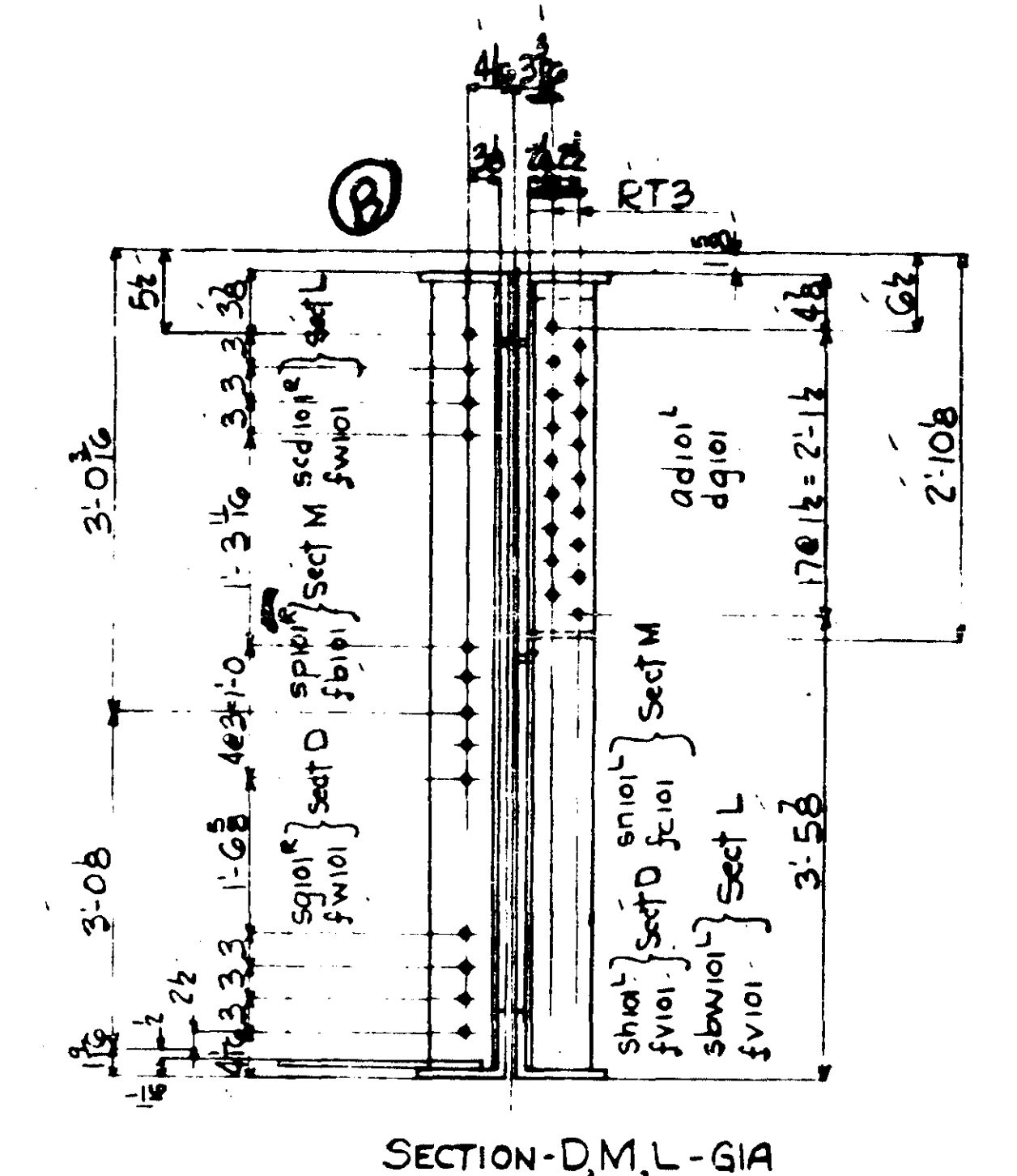
(Rs shipped Loose)

(Rs shipped Loose)

LINE	NO.	QTY	SHAPE	LENGTH	REMARKS	ORDERED	CALCULATED
77	1	R	22 3/4	2 1/2	pbb101-G3A	5	41
78	1	R	22 3/4	2 1/2	pbb101-G3A	5	42
79	1	R	28 3/4	3 7/8	pbb101-G3A	5	49
80	1	R	28 3/4	3 7/8	pbb101-G3A	5	50
81	1	R	28 3/4	3 7/8	pbb101-G3A	5	51
82	1	R	30 3/4	4 1/4	pbb101-G3A	5	52
83	1	R	28 3/4	3 7/8	pbb101-G3A	5	53
84	1	R	28 3/4	3 7/8	pbb101-G3A	5	54
85	1	R	28 3/4	3 7/8	pbb101-G3A	5	55
86	1	R	28 3/4	3 7/8	pbb101-G3A	5	56
87	1	R	28 3/4	3 7/8	pbb101-G3A	5	57
88	1	R	28 3/4	3 7/8	pbb101-G3A	5	58
89	1	R	28 3/4	3 7/8	pbb101-G3A	5	59
90	1	R	28 3/4	3 7/8	pbb101-G3A	5	60
91	1	R	28 3/4	3 7/8	pbb101-G3A	5	61
92	1	R	28 3/4	3 7/8	pbb101-G3A	5	62
93	1	R	28 3/4	3 7/8	pbb101-G3A	5	63
94	1	R	28 3/4	3 7/8	pbb101-G3A	5	64
95	1	R	28 3/4	3 7/8	pbb101-G3A	5	65
96	1	R	28 3/4	3 7/8	pbb101-G3A	5	66
97	1	R	28 3/4	3 7/8	pbb101-G3A	5	67
98	1	R	28 3/4	3 7/8	pbb101-G3A	5	68
99	1	R	28 3/4	3 7/8	pbb101-G3A	5	69
100	1	R	28 3/4	3 7/8	pbb101-G3A	5	70
101	1	R	28 3/4	3 7/8	pbb101-G3A	5	71
102	1	R	28 3/4	3 7/8	pbb101-G3A	5	72
103	1	R	28 3/4	3 7/8	pbb101-G3A	5	73
104	1	R	28 3/4	3 7/8	pbb101-G3A	5	74

UNITED STATES ROYAL CANADIAN					ORDERED		CALCULATED	
LINE	NO.	QTY	MATERIAL	LENGTH	REMARKS		FEET	WT FOR ONE END
			SHAPE	Feet				PER END
1	2	R	60086	DNE 3948	DEDUCT			
2	2	R	60496	DNE 3948				
3	2	R	ONE GIRDER-G3A	ONE GIRDER-G3A	60223 DNE 3948			
4	2	R	ONE GIRDER-G3A	ONE GIRDER-G3A	60112 DNE 3948			
5	2	R	W44 R 713 3/4	45 0 3/4	1	1225.2	1056	424.45
6	2	R	W44 R 713 3/4	43 10 3/4	1		1057	415.2
7	2	R	W44 R 713 3/4	31 8 3/4	1000	444.3	1168	3161.3
8	2	R	W44 R 713 3/4	24 5 3/4	670	4	1051	289.92
9	2	R	15 B G 3/4	90 6 3/4	2	96.82	1007	1611.7
10	2	R	15 B G 3/4	87 4 3/4	2	87.64	1008	590.42
11	2	R	15 B G 3/4	56 0 3/4	6	66.2	1111	378.3
12	2	R	15 B G 3/4	56 6 (abt)	Bent 6	57-6	1010	381.3
13	2	R	15 B G 3/4	53 0	U.M. 2		1079	315.2
14	2	R	15 B G 3/4	44 11 1/2	U.M. 2	49-3	1080	2911.1
15	2	R	15 B G 3/4	77 3	U.M. 8		1073	2290
16	2	R	15 B G 3/4	36 11 1/2	U.M. Bent	37-3	1073	109.9
17	2	R	15 B G 3/4	23 2	U.M. 1		1088	688
18	2	R	15 B G 3/4	40 9 1/2 (abt)	U.M. Bent	41-1	1082	120.9
19	2	R	15 B G 3/4	26 2 1/2	U.M. Bent	26-6	1087	77.25
20	2	R	15 B G 3/4	10 8 1/2 (pchio)	U.M. 1	22-4	1068.8	181.7
21	2	R	15 B G 3/4	9 6 (pcmu)	U.M. 6	38-1	1068	357.7
22	2	R	2 B G 3/4	5 108 1/2	G2A-33A2	23-10	1042	137.7
23	2	R	2 B G 3/4	5 108 1/2	G2A-33A2	23-10	1042	137.7
24	2	R	10 B G 3/4	2 6 1/2 (adiso)	G1A-33A10	44-0	1043	416
25	2	R	10 B G 3/4	5 108 1/2 (SC10)	15-10 (SC10)	44-0	1045	89.2
26	2	R	10 B G 3/4	5 108 1/2 (SC10)	11-10 (SC10)	44-0	1045	89.2
27	2	R	10 B G 3/4	5 108 1/2 (SC10)	G3A Gimp	44-0	1045	31.4
28	2	R	12 B G 3/4	5 108 1/2 (SC10)	G2P G3A 3	44-0	1045	30.5

REV	DATE	BY	CHKD	DESCRIPTION
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				



NOTES

SPECIFICATIONS - Maine State Highway Commission 1945 and special Provisions

MATERIAL - O.H. Steel A.S.T.M. A7-B2T

RIVETS - $\frac{3}{4}$ " Holes - $\frac{3}{4}$ " 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 & reamed to size.

Holes marked RT to be subpunched or subdrilled & reamed to size to a metal template.

Holes marked RA to be subpunched or subdrilled & 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 6" of flange angles.

B.E. indicates bearing end of stiffeners.

PAINT - YES, Except as shown in Section X

SHOP CONTACT SURFACES - No.

REV	DATE	BY	CHKD	DESCRIPTION
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				

LINE	ITEM	QTY	UNIT	DESCRIPTION	REMARKS	ORDERED	CALCULATED
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							
63							
64							
65							
66							
67							
68							
69							
70							
71							
72							
73							
74							
75							
76							
77							
78							
79							
80							
81							
82							
83							
84							
85							
86							
87							
88							
89							
90							
91							
92							

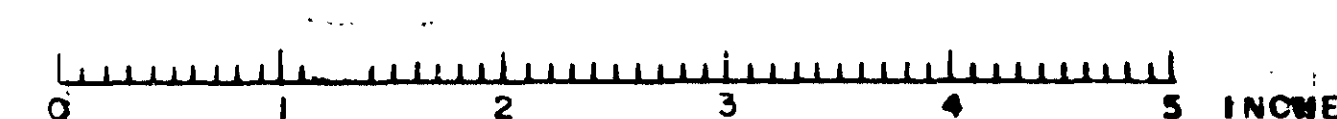
SHEET 301 WORKS WITH THIS SHEET

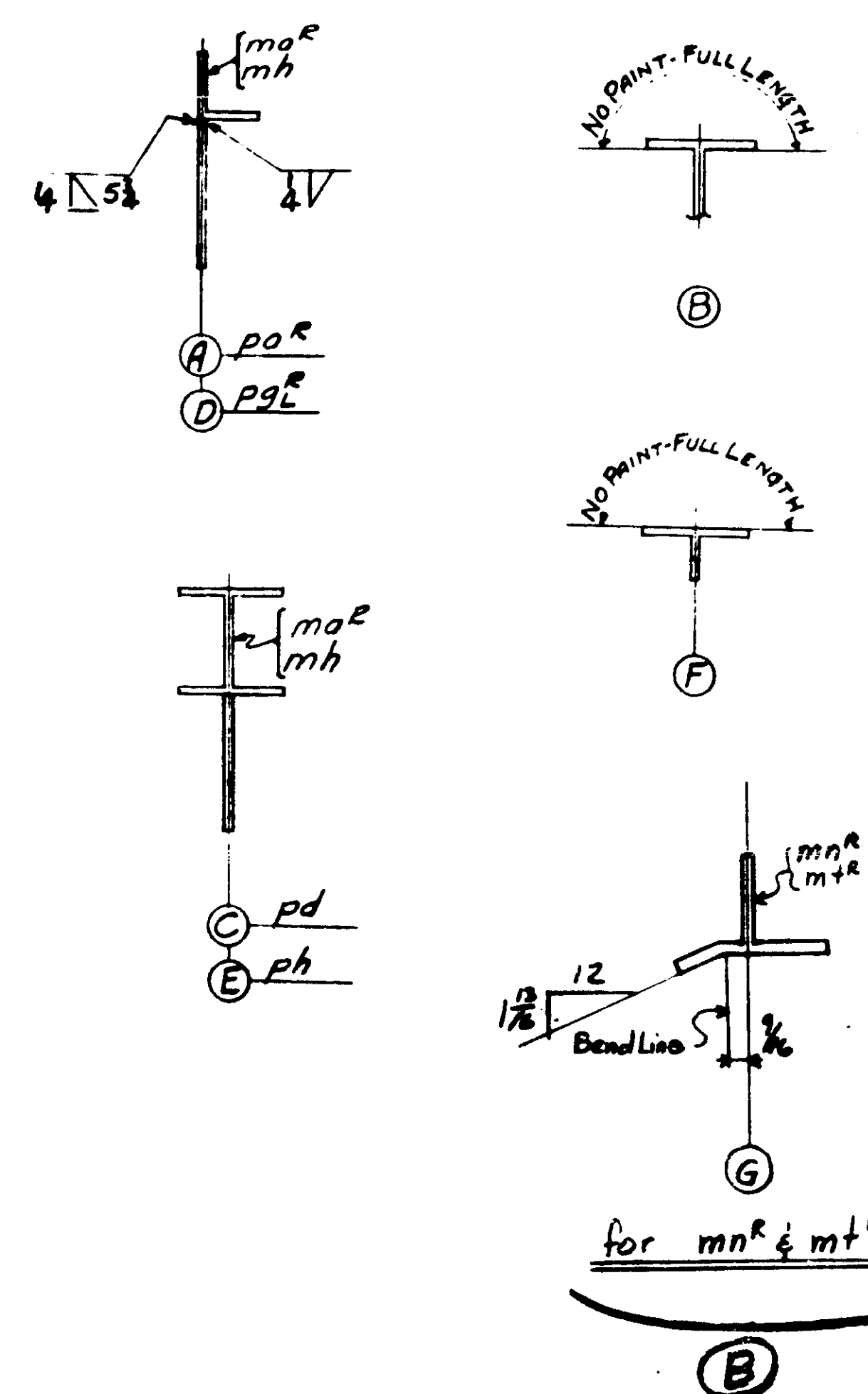
LIFTING WT: 32 TONS

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. Q4150 SHEET NO. 101F





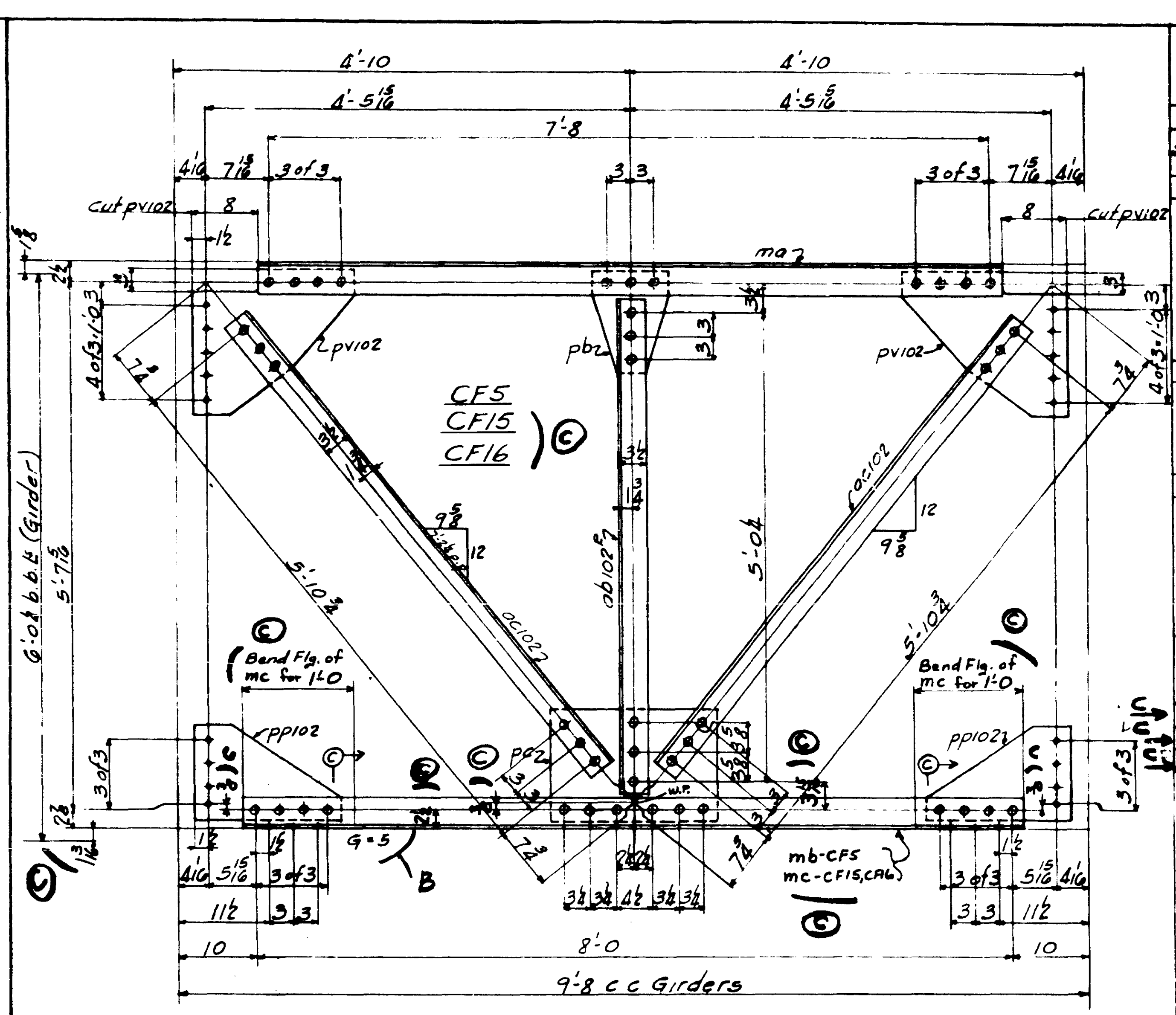
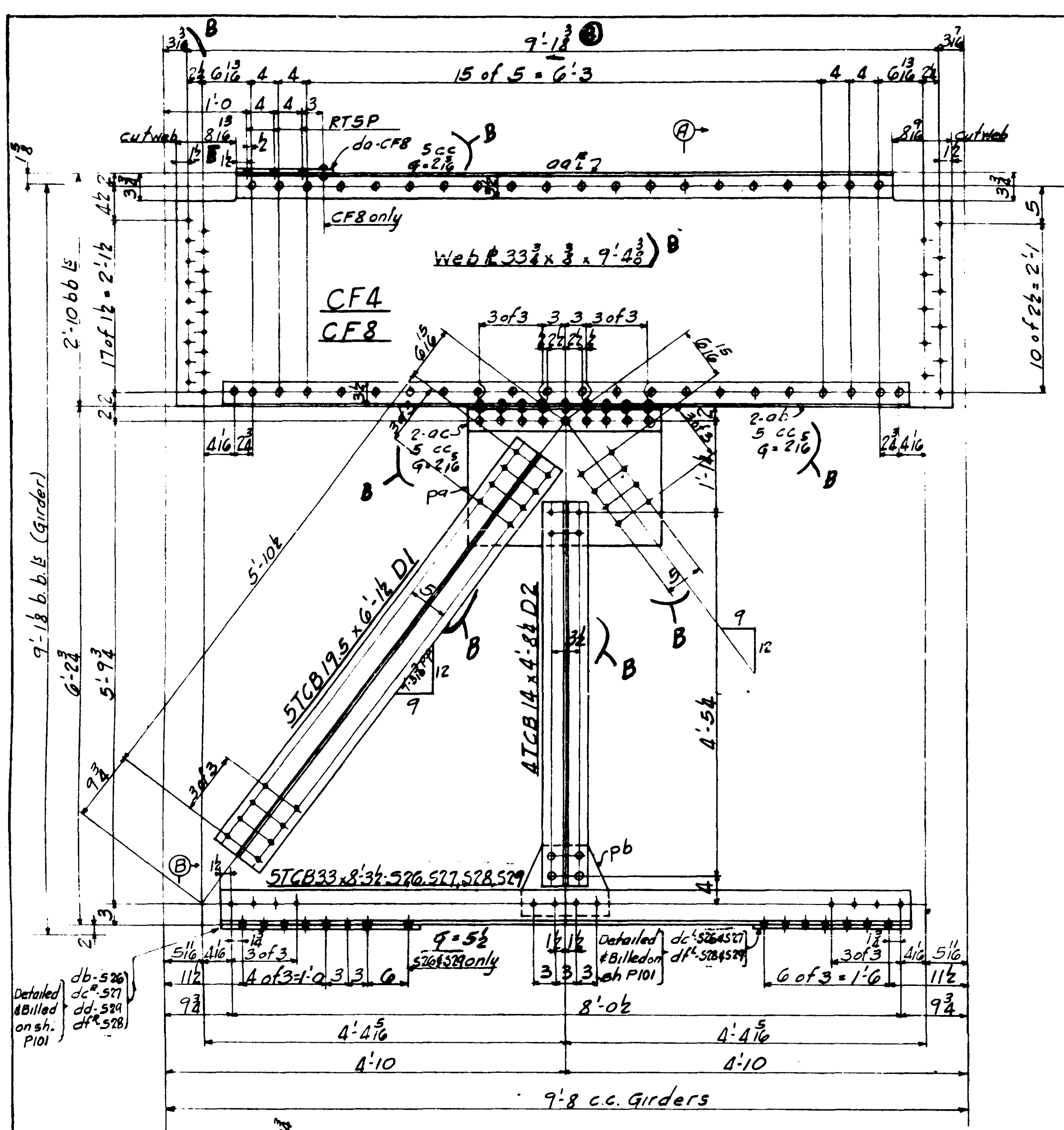
LINE	REV OF PREVIOUS	MATERIAL		ASSEMBLY BLIND NAME	REMARKS	ORDERED		C.D. ORDERED REV OF PREVIOUS
		SHAPE	LENGTH EQUIV. LENGTH			ITEM		
1					Deduct			
2								
3								
4								
5								
6								
7								
8	1	1	2	CROSS FRAMES	CF1 ^R			
9	1	1	2	CROSS FRAMES	CF1 ^L			
10								
11			4	RCB 31	9 44 mab	31	S	259
12			4	TCB 16	4 12 mb		33-1 1036	153
13			4	TCB 14	3 102 mc		33-1 1036	54
14			4	TCB 14	8 32 md	1	25-0 1037	115
15			4	TCB 14	4 112 mf		33-1 1036	69
16			8	4 TCB 14	5 53 mg		33-1 1036	7
17			4	R 14	1 12 pgr	6	AS	3
18			4	R 17	1 9 pb	1	AS	3
19			12	8 R 7 3/4	1 3/4 pc	6	AS	15
20			4	R 10 3/4	1 9 ps	2	AS	18
21			4	R 18 3/4	2 8 pf	10	AS	4
22			8	4 R 13 3/4	1 3/4 pgr		AS	19
23								
24								
25								
26								
27	1	1	2	CROSS FRAMES	CF2			725
28								
29			2	RCB 31	9 44 mh	31	S	259
30			4		mg			153
31			2	TCB 14	4 112 mk		33-1 1036	69
32			2	TCB 14	8 32 mm	1	25-0 1037	115
33			4	R	pgr			3
34			2	R 9 3/4	1 02 ph	3	Riv AS	18
35			2	R 18 3/4	2 42 pk		Weld AS	12
36			4	R	pc	6	Pf	3
37								
38	1	1	2	Cross Frames	CF1H			590
39			2	Cross Frames	CF1L			590
40	2	2	9	CROSS FRAMES	CE3 ^R			590
41	3	2	10	CROSS FRAMES	CE3 ^L			590
42		1	ONE CROSS FRAME	CE7 ^R				590
43			ONE CROSS FRAME	CE7 ^L				590
44	3	2	10	CROSS FRAMES	CE9 ^R			590
45	2	2	9	CROSS FRAMES	CE9 ^L			590
46			ONE CROSS FRAME	CE10 ^R				590
47		1	ONE CROSS FRAME	CE10 ^L				590
48		1	2	Cross Frame	CE12 ^R			590
49		1	2	Cross Frame	CE12 ^L			590
50			ONE CROSS FRAME	CE13 ^R				590
51			ONE CROSS FRAME	CE13 ^L				590
52			ONE CROSS FRAME	CE14 ^R				590
53			ONE CROSS FRAME	CE14 ^L				590
54			54	R 15 3/4	1 8 pm	11	S	17
55			54	R 13 3/4	1 3/4 pn		S	18
56	162	108	108	R 12 3/4	1 3/4 pp108	13	S	27
57			54	R 13 3/4	1 6 ps	2	S	19
58			54	R 14 3/4	2 02 pt	2	S	23
59	108	54	54	R 18 3/4	1 8 pv108	12	S	2
60			4	FILL	8 8 3 da	CE1 ^R CE10 ^R	AS	4
61			19	4 TCB 17.5	8 32 mv	CE4 ^R	25-0 1035	140
62			4	TCB 17.5	7 11 mw	CE7 ^R CE10 ^R	25-0 1035	138
63			50	4 TCB 17.5	7 11 mp	Other 3/4	25-0 1035	238
64			19	4 TCB 17.5	8 32 ms	CE3 ^R	25-0 1035	140
65			4	TCB 17.5	8 32 mn ^R	CE1 ^R CE10 ^R	25-0 1035	140
66			4	TCB 17.5	8 32 mn ^L	CE1 ^L CE10 ^L	25-0 1035	140
67			4	TCB 17.5	8 32 mt ^R	CE1 ^R CE10 ^R	25-0 1035	140
68			4	TCB 17.5	8 32 mt ^L	CE1 ^L CE10 ^L	25-0 1035	140
69			108	L 4 3 3/4	4 4 3/4 aa		40-0 1019	2
70	54	54	54	L 4 3 3/4	5 3/4 ab1 ^R		40-0 1019	2
71	108	54	54	L 4 3 3/4	6 1 3/4 ac102		40-0 1019	2

NOTES:
SPECIFICATIONS: MAINE STATE HIGHWAY COMMISSION 1945
AND SPECIAL PROVISIONS.
MATERIAL: Q.H. STEEL A.S.T.M. A7-52T
HOLES: $\frac{1}{8}$ " ϕ
RIVETS: $\frac{3}{8}$ " ϕ
WORKMANSHIP: Holes marked RT to be subpunched
or subdrilled & and reamed to size to a metal template
PAINT: Yes Except as noted.
SHOP CONTACT SURFACES: No

CROSS FRAMES Div. 1-2-3-4-5 R.V. 19
P# 2
Sheet Total = 36470
STATE OF MAINE
STATE HIGHWAY COMMISSION
BANGOR-BREWER BRIDGE
OVER PENOBSCOT RIVER
BANGOR, MAINE
ESTABLISHED 18-1-1901 18-1-1901
AMERICAN BRIDGE

DRAWINGS MADE AT TRENTON PLANT
WORK FABRICATED AT AMBRIDGE PLANT
IN CHARGE OF E.B. MARKS
DRAW. MADE BY SPC DATE 9-3-53
DRAW. CHECKED BY FRY DATE 2-10-54

ORDER No. Q4150 SHEET No. 102



DIVISIONS

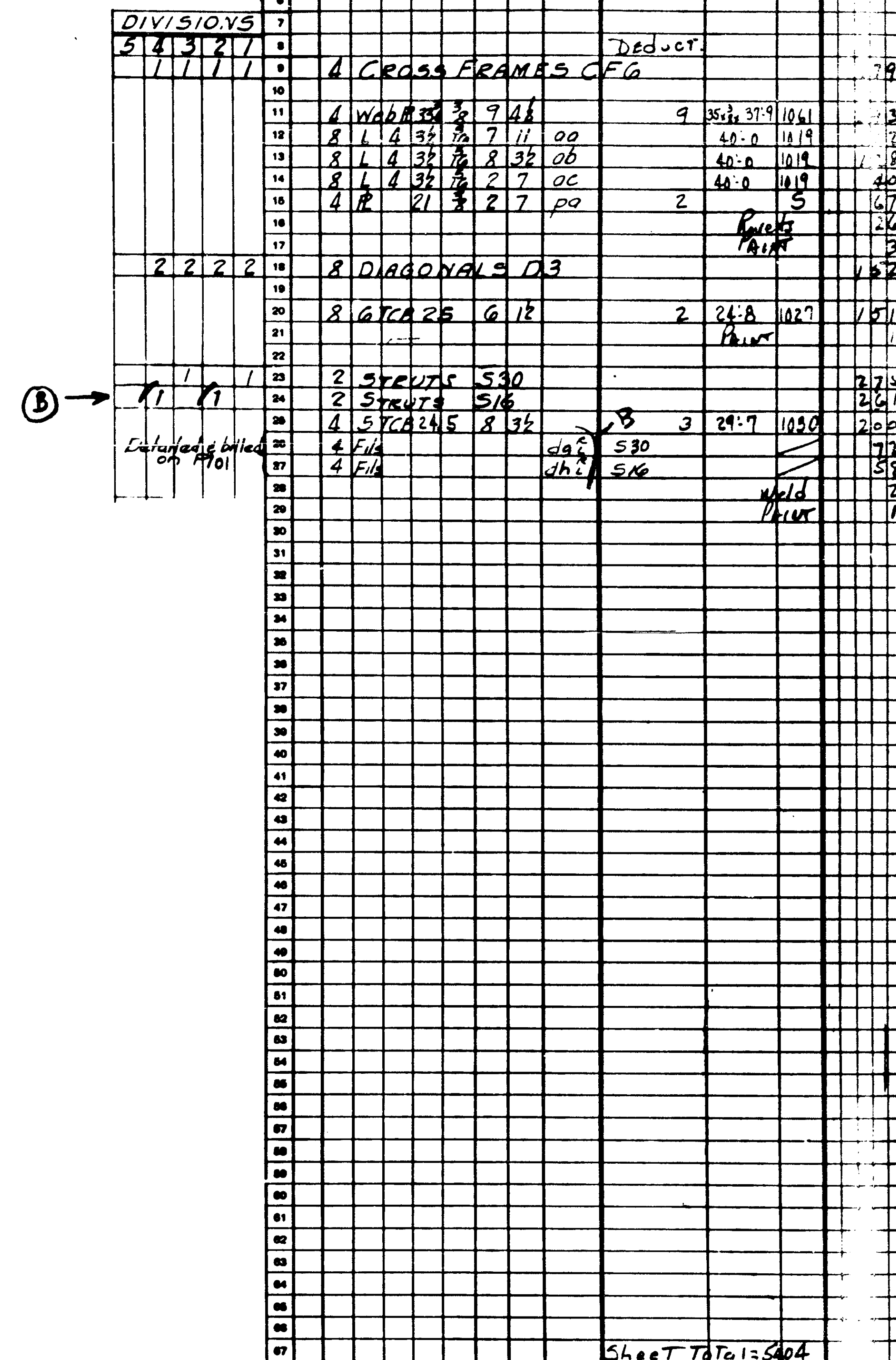
LINE	ITEM	MATERIAL	QUANTITY	REMARKS	ORDERED	REMARKS
1				Detail		
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						

CROSS FRAMES DIV. 1-2-3-4-5

NOTES:
SPECIFICATIONS: MAINE STATE HIGHWAY COMMISSION 1945
AND SPECIAL PROVISIONS.
MATERIAL: O.H. STEEL A.S.T.M. A7-52T
RIVETS: 3/8"
HOLES: 1/2"
WORKMANSHIP: Holes marked RT to be subpunched
or subdrilled and reamed to size to a metal template.
PAINT: Yes Except as noted.
SHOP CONTACT SURFACES: No.

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

DRAWINGS MADE AT TRENTON PLANT
WORK FABRICATED AT ANDERIDGE PLANT
IN CHARGE OF E.B. MARKS
DRAW. MADE BY E.B. MARKS DATE 7-9-53
DRAW. CHECKED BY E.B. MARKS DATE 7-11-53
ORDER NO. Q4150 SHEET NO. 103



WELD

AMERICAN BRIDGE

LINE	ITEM	MATERIAL	LENGTH	REMARKS	ORDERED	QUANTITY
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
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 BANGOR PLANT

IN CHARGE OF E.B. MARKS

DRAW. MADE BY J.P. MARKS DATE 7-26-53

DRAW. CHECKED BY J.P. MARKS DATE 2-10-54

REVISIONS

ORDER No. Q4150

SHEET No. 105

NOTES:
SPECIFICATIONS: MAINE STATE HIGHWAY
COMMISSION 1945 AND SPECIAL PROVISIONS
MATERIAL: O.H. STEEL A.S.T.M. A7-52T
HOLE: 1/8"

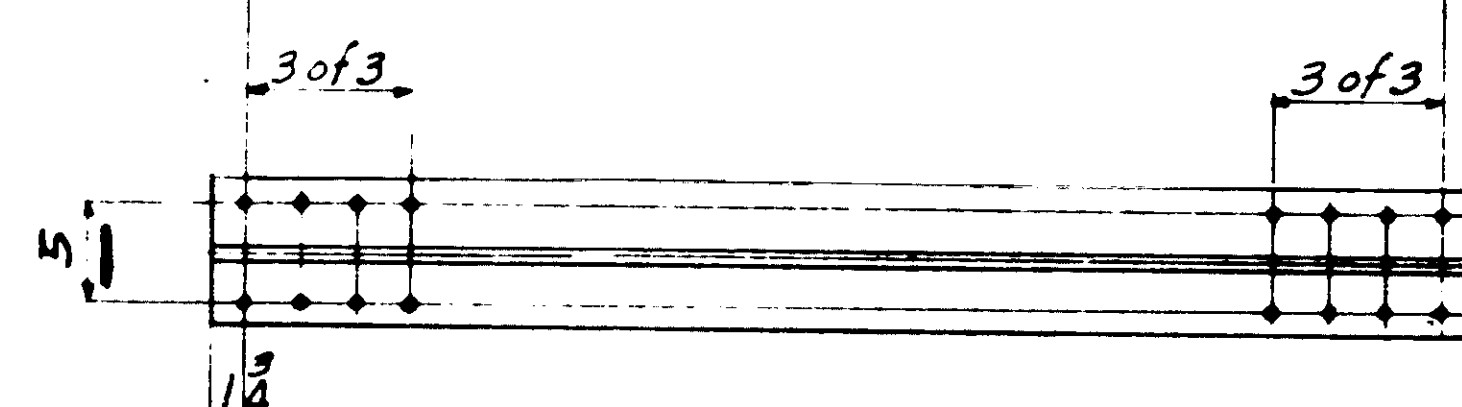
PAINT: YES

105

62-175

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

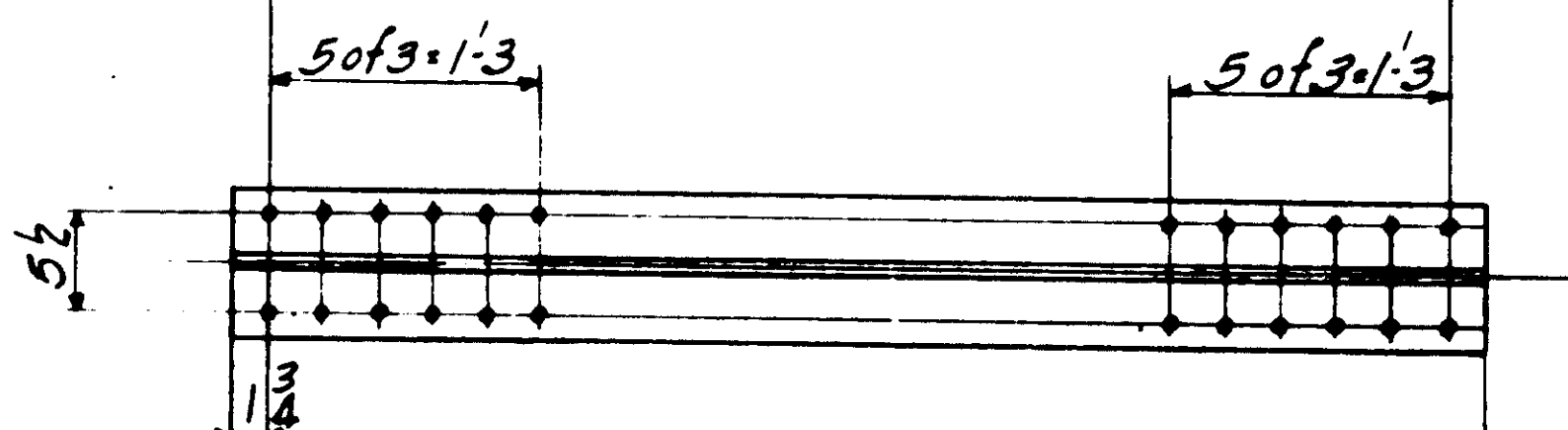
D6 1'-5 7/8" 9'-9 1/2" 1'-5 7/8"
D11 1'-4 3/8" 9'-3 3/8" 1'-4 3/8"
D12 1'-4 3/8" 9'-4 1/8" 1'-4 3/8"
D19 1'-4 1/8" 9'-6 1/8" 1'-4 1/8"



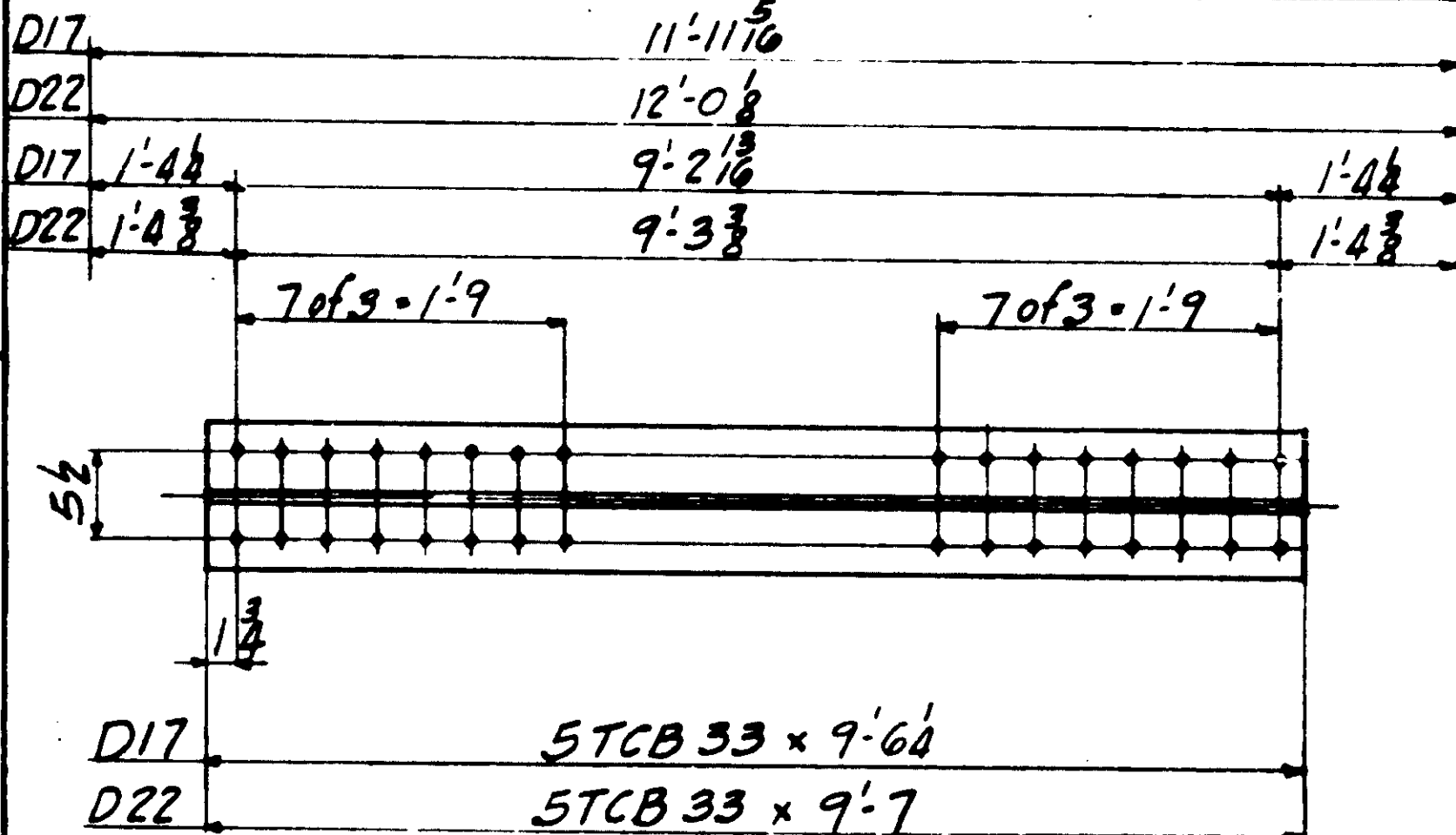
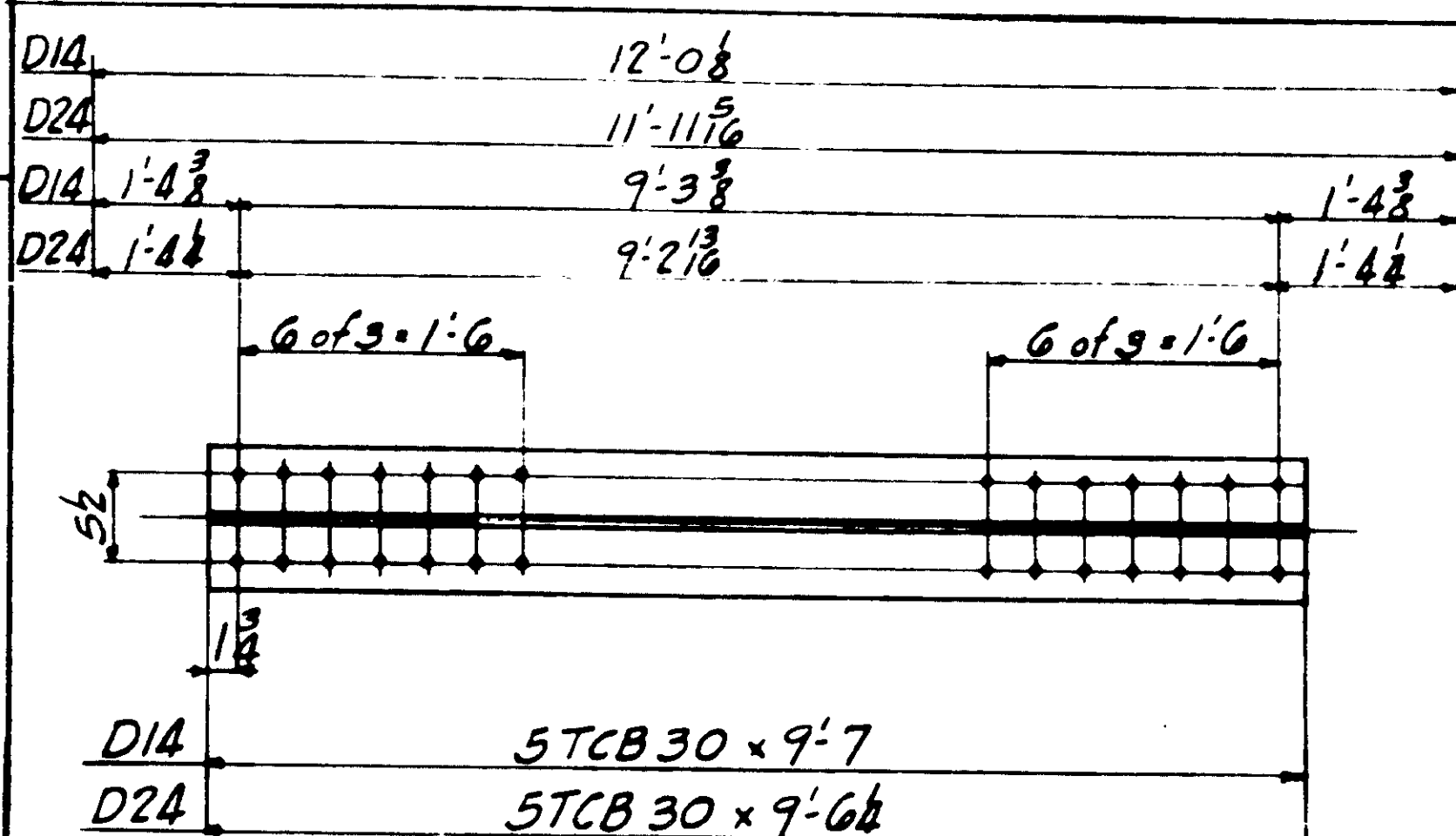
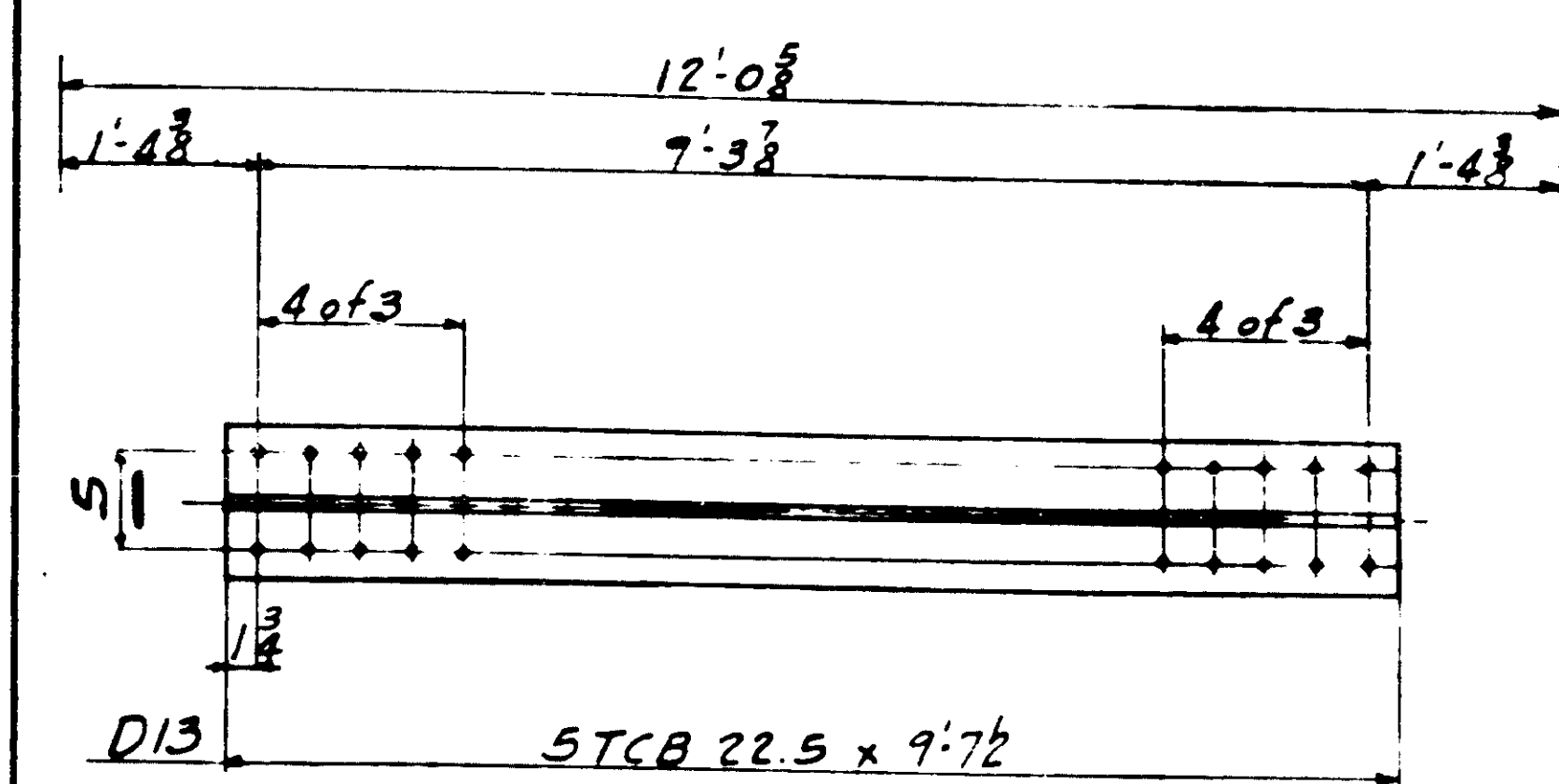
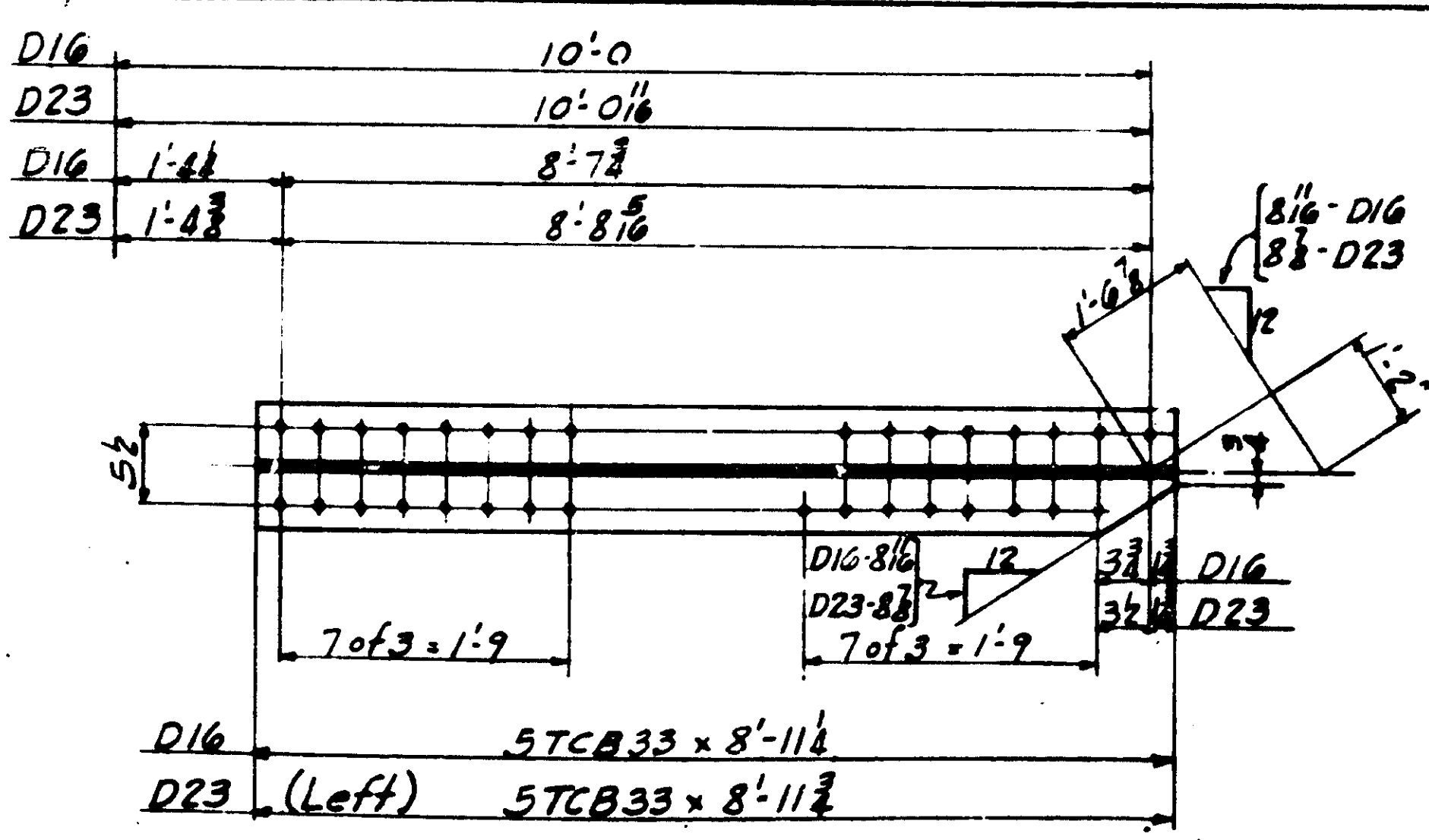
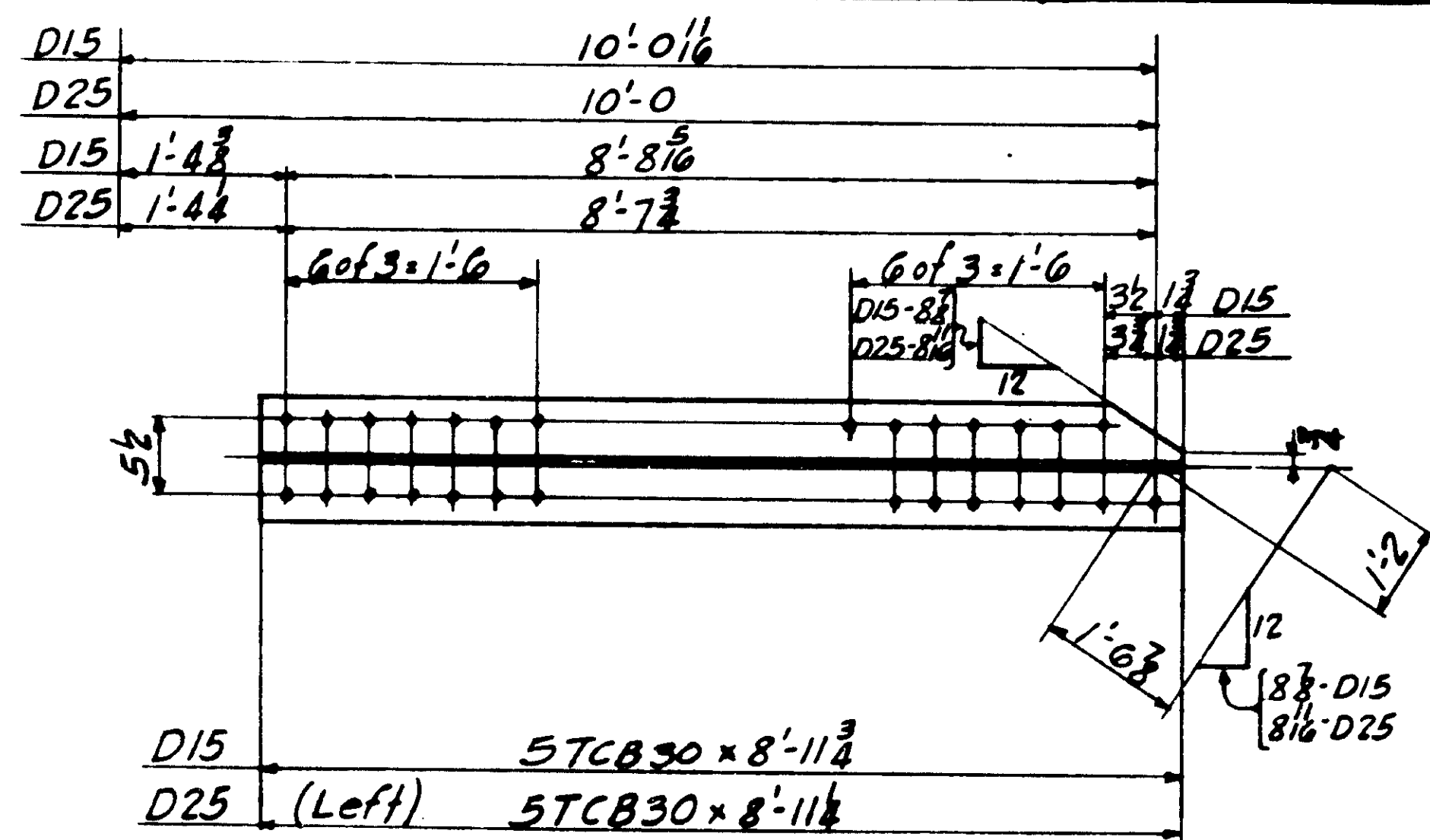
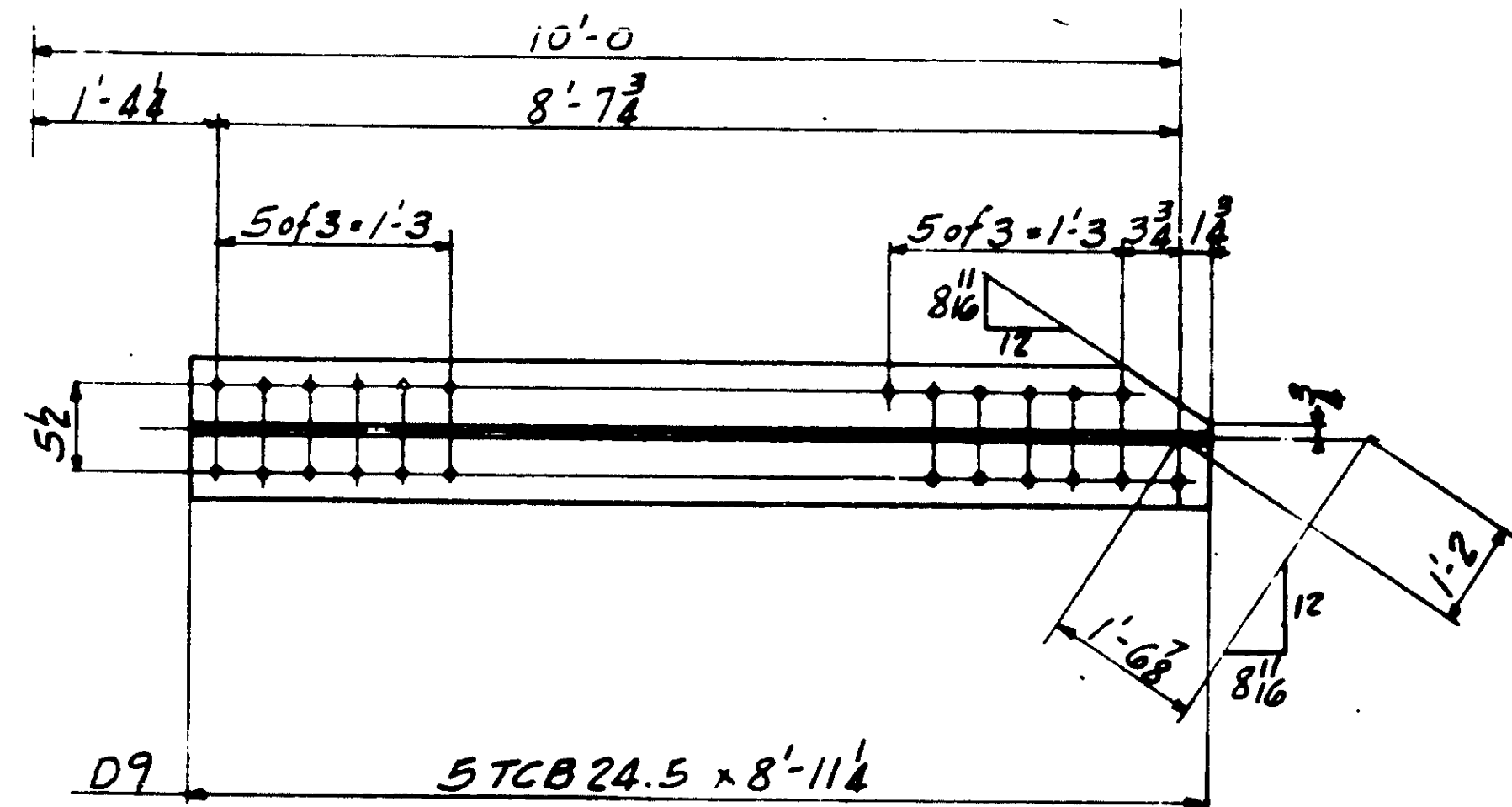
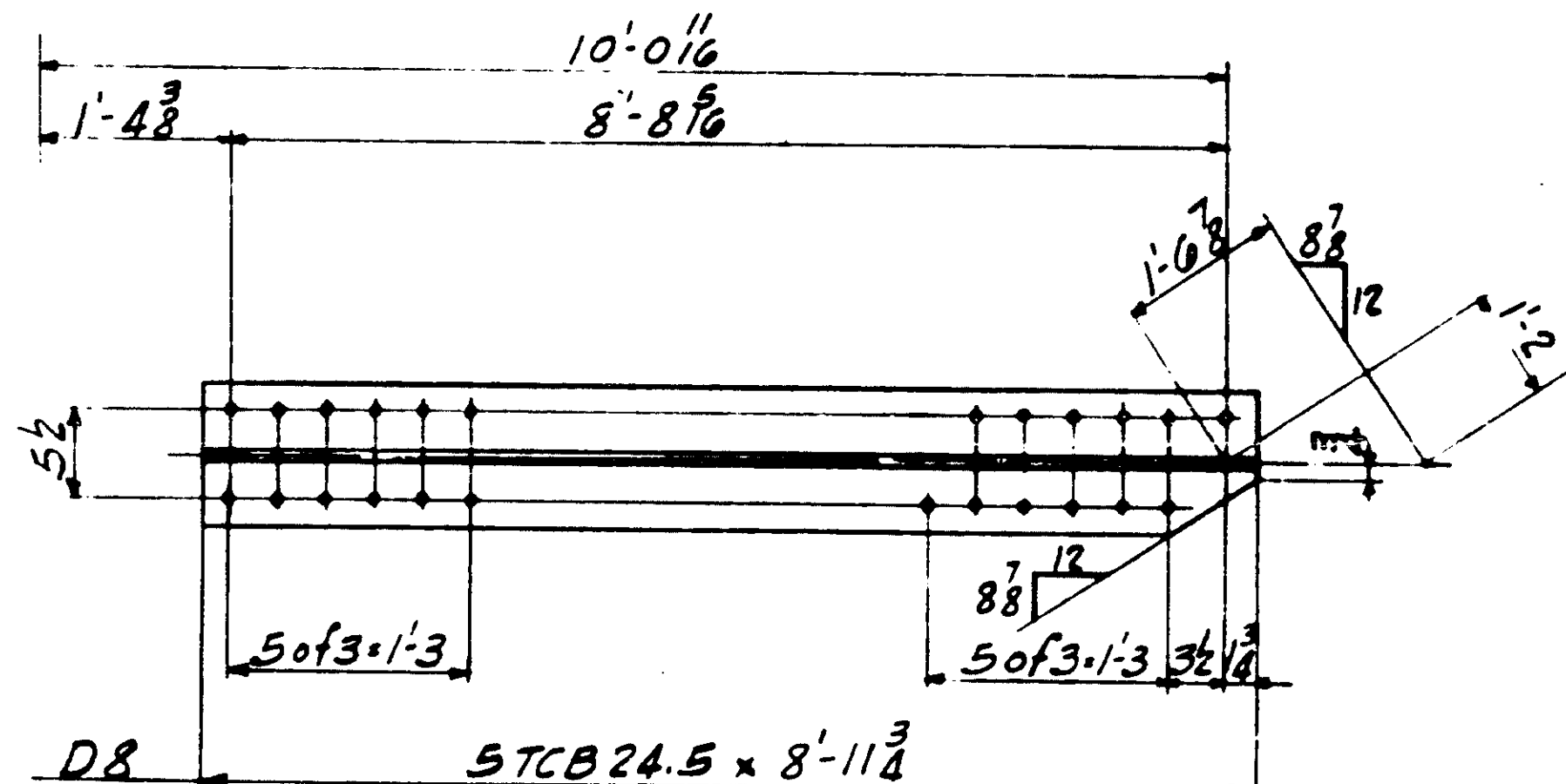
D6 5TCB19.5 x 10'-1 1/2"
D11 5TCB19.5 x 9'-7 1/2"
D12 5TCB19.5 x 9'-7 1/2"
D19 5TCB19.5 x 9'-10"

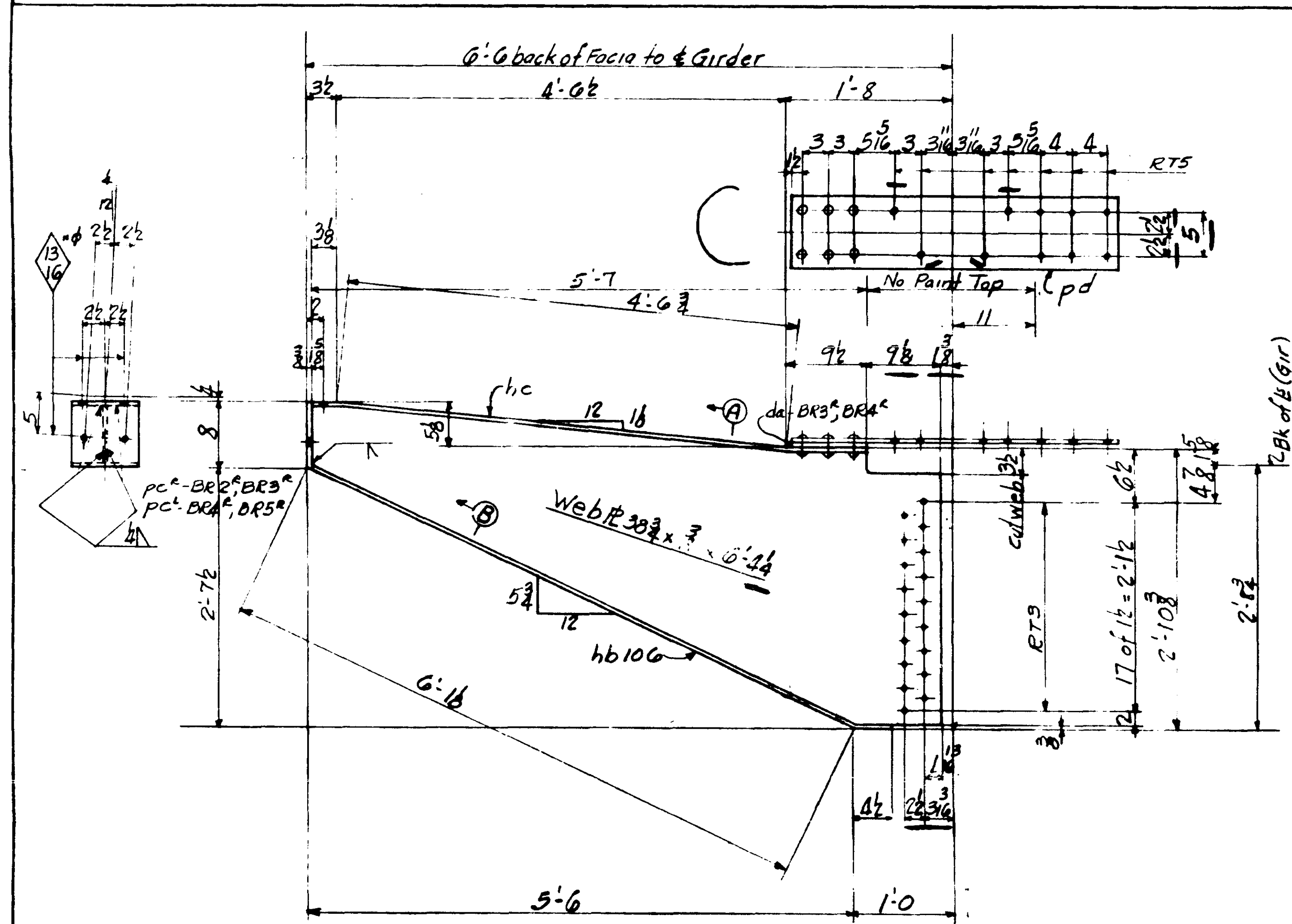
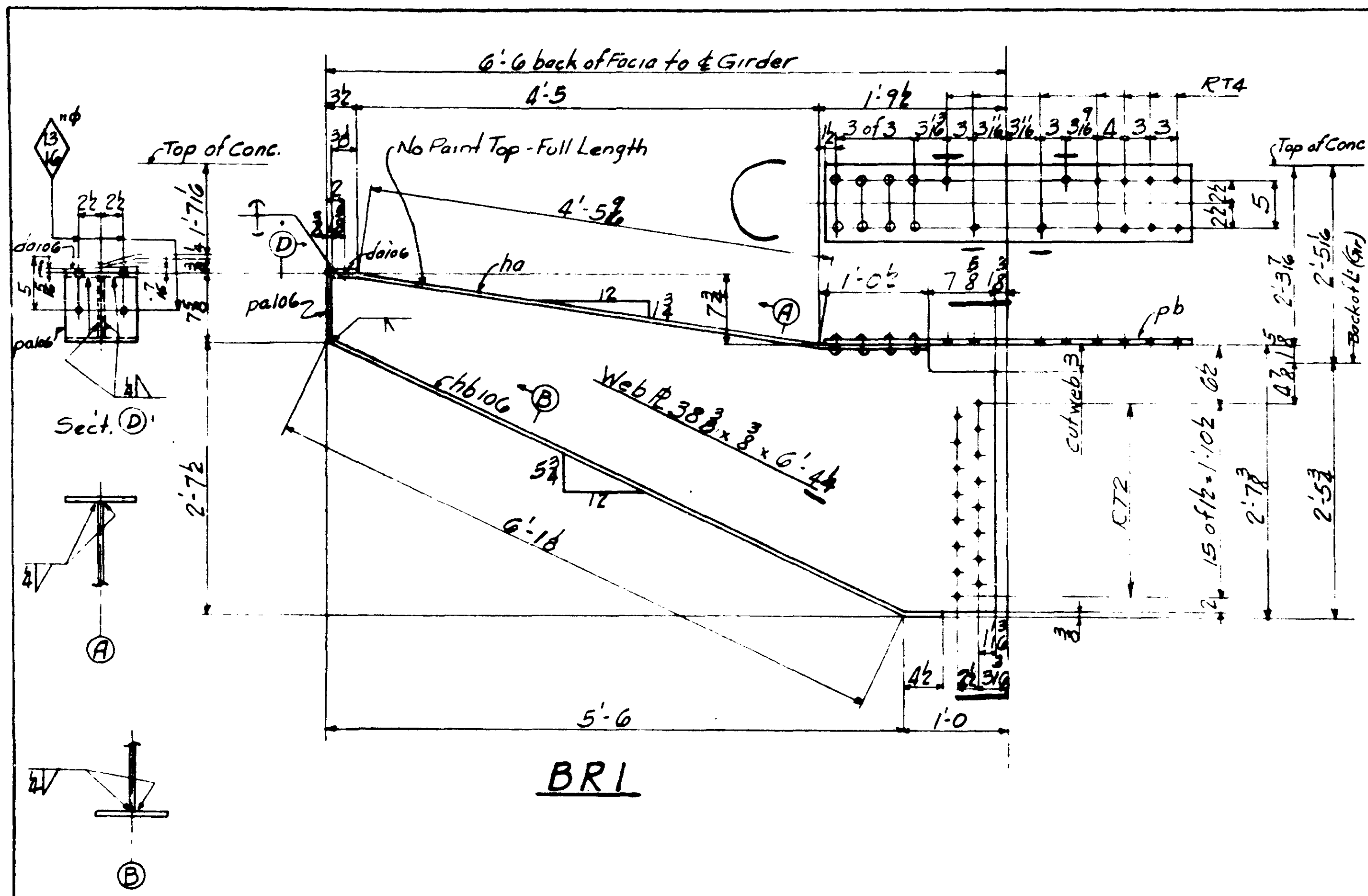
D7 12'-0 1/8"
D10 11'-11 7/8"
D18 12'-4 1/8"

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

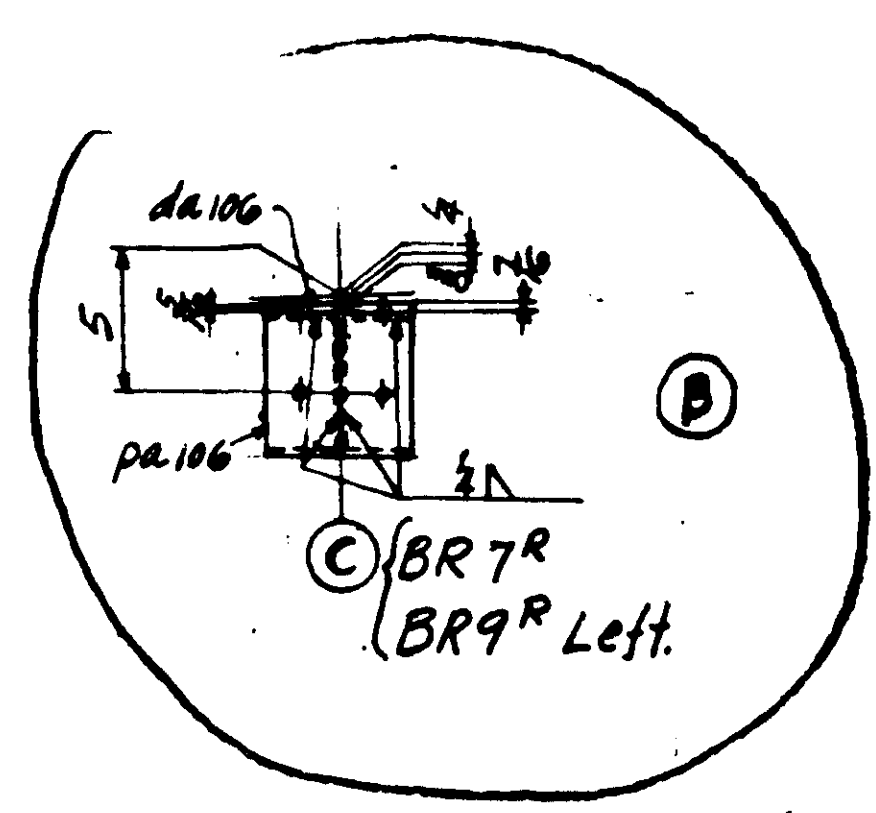
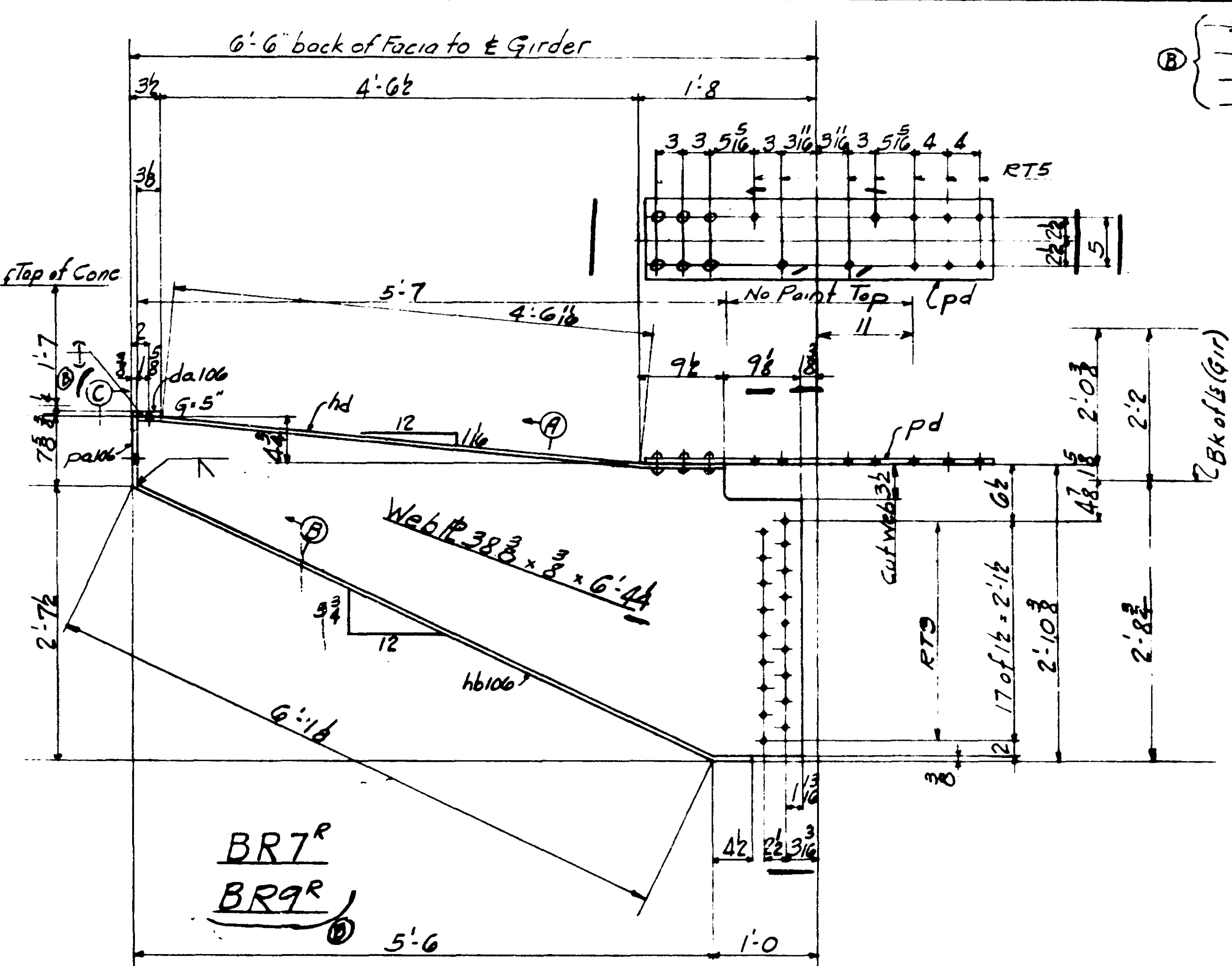


D7 5TCB 24.5 x 9'-7"
D10 5TCB 24.5 x 9'-6 1/4"
D18 5TCB 24.5 x 9'-10"





BR2^R
BR3^R
BR4^R
BR5^R



NOTES:
SPECIFICATIONS: MAINE STATE HIGHWAY COMMISSION 1945
AND SPECIAL PROVISIONS
MATERIAL: O.H. STEEL A.S.T.M. A7-62T
HOLES: 1/2" UNLESS NOTED
RIVETS: 8
WORKMANSHIP: HOLES MARKED RT TO BE SUBPUNCHED
OR SUBDRILLED 1/4" AND REAMED TO SIZE TO A
METAL TEMPLATE
PAINT: YES, EXCEPT AS NOTED
SHOP CONTACT SURFACES: NO

PAINT
SHOP CONTACT SURFACES

DIVISIONS		MATERIAL		LENGTH		WEIGHT		REMARKS		CALCULATED	
5	4	3	2	1	1	1	1	1	1	1	1
ONE SIDE WALK BRACKET BR1											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											
45											
46											
47											
48											
49											
50											
51											
52											
53											
54											
55											
56											
57											
58											
59											
60											
61											
62											
63											
64											
65											
66											
67											
68											
69											
70											
71											
72											
73											
74											
75											
76											
77											
78											
79											
80											
81											
82											
83											
84											
85											
86											
87											
88											
89											
90											
91											
92											
93											
94											
95											
96											
97											
98											
99											
100											

SIDE WALK BRACKETS

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

AMERICAN BRIDGE

DRAWINGS MADE AT TEENTON PLANT
WORK FABRICATED AT BANGOR PLANT
IN CHARGE OF E.B. MARKS
DRAW. MADE BY G.H.P. DATE 7-29-53
DRAW. CHECKED BY J.C.P. DATE 7-15-54
ORDER No. Q4150 SHEET No. 106

AMERICAN BRIDGE

UNITED STATES STEEL COMPANY

LINE	ITEM	QUANTITY	UNIT	MATERIAL	LENGTH	REMARKS	ORDERED	DATE
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								
51								
52								
53								
54								
55								
56								
57								
58								
59								
60								
61								
62								
63								
64								
65								
66								
67								

DIVISIONS

5 4 3 2 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1

AMERICAN BRIDGE COMPANY

LINE	ITEM	QUANTITY	UNIT	REMARKS	ORDERED	ITEM	QUANTITY	UNIT	REMARKS
1	ONE STRUT S1	1				1	ONE STRUT S1	1	
2	ONE STRUT S2	1				2	ONE STRUT S2	1	
3	ONE STRUT S3	1				3	ONE STRUT S3	1	
4	ONE STRUT S4	1				4	ONE STRUT S4	1	
5	ONE STRUT S5	1				5	ONE STRUT S5	1	
6	ONE STRUT S6	1				6	ONE STRUT S6	1	
7	ONE STRUT S7	1				7	ONE STRUT S7	1	
8	ONE STRUT S8	1				8	ONE STRUT S8	1	
9	ONE STRUT S9	1				9	ONE STRUT S9	1	
10	ONE STRUT S10	1				10	ONE STRUT S10	1	
11	ONE STRUT S11	1				11	ONE STRUT S11	1	
12	ONE STRUT S12	1				12	ONE STRUT S12	1	
13	ONE STRUT S13	1				13	ONE STRUT S13	1	
14	ONE STRUT S14	1				14	ONE STRUT S14	1	
15	ONE STRUT S15	1				15	ONE STRUT S15	1	
16	ONE STRUT S16	1				16	ONE STRUT S16	1	
17	ONE STRUT S17	1				17	ONE STRUT S17	1	
18	ONE STRUT S18	1				18	ONE STRUT S18	1	
19	ONE STRUT S19	1				19	ONE STRUT S19	1	
20	ONE STRUT S20	1				20	ONE STRUT S20	1	
21	ONE STRUT S21	1				21	ONE STRUT S21	1	
22	ONE STRUT S22	1				22	ONE STRUT S22	1	
23	ONE STRUT S23	1				23	ONE STRUT S23	1	
24	ONE STRUT S24	1				24	ONE STRUT S24	1	
25	ONE STRUT S25	1				25	ONE STRUT S25	1	
26	ONE STRUT S26	1				26	ONE STRUT S26	1	
27	ONE STRUT S27	1				27	ONE STRUT S27	1	
28	ONE STRUT S28	1				28	ONE STRUT S28	1	
29	ONE STRUT S29	1				29	ONE STRUT S29	1	
30	ONE STRUT S30	1				30	ONE STRUT S30	1	
31	ONE STRUT S31	1				31	ONE STRUT S31	1	
32	ONE STRUT S32	1				32	ONE STRUT S32	1	
33	ONE STRUT S33	1				33	ONE STRUT S33	1	
34	ONE STRUT S34	1				34	ONE STRUT S34	1	
35	ONE STRUT S35	1				35	ONE STRUT S35	1	
36	ONE STRUT S36	1				36	ONE STRUT S36	1	
37	ONE STRUT S37	1				37	ONE STRUT S37	1	
38	ONE STRUT S38	1				38	ONE STRUT S38	1	
39	ONE STRUT S39	1				39	ONE STRUT S39	1	
40	ONE STRUT S40	1				40	ONE STRUT S40	1	
41	ONE STRUT S41	1				41	ONE STRUT S41	1	
42	ONE STRUT S42	1				42	ONE STRUT S42	1	
43	ONE STRUT S43	1				43	ONE STRUT S43	1	
44	ONE STRUT S44	1				44	ONE STRUT S44	1	
45	ONE STRUT S45	1				45	ONE STRUT S45	1	
46	ONE STRUT S46	1				46	ONE STRUT S46	1	
47	ONE STRUT S47	1				47	ONE STRUT S47	1	
48	ONE STRUT S48	1				48	ONE STRUT S48	1	
49	ONE STRUT S49	1				49	ONE STRUT S49	1	
50	ONE STRUT S50	1				50	ONE STRUT S50	1	
51	ONE STRUT S51	1				51	ONE STRUT S51	1	
52	ONE STRUT S52	1				52	ONE STRUT S52	1	
53	ONE STRUT S53	1				53	ONE STRUT S53	1	
54	ONE STRUT S54	1				54	ONE STRUT S54	1	
55	ONE STRUT S55	1				55	ONE STRUT S55	1	
56	ONE STRUT S56	1				56	ONE STRUT S56	1	
57	ONE STRUT S57	1				57	ONE STRUT S57	1	
58	ONE STRUT S58	1				58	ONE STRUT S58	1	
59	ONE STRUT S59	1				59	ONE STRUT S59	1	
60	ONE STRUT S60	1				60	ONE STRUT S60	1	
61	ONE STRUT S61	1				61	ONE STRUT S61	1	
62	ONE STRUT S62	1				62	ONE STRUT S62	1	
63	ONE STRUT S63	1				63	ONE STRUT S63	1	
64	ONE STRUT S64	1				64	ONE STRUT S64	1	
65	ONE STRUT S65	1				65	ONE STRUT S65	1	
66	ONE STRUT S66	1				66	ONE STRUT S66	1	
67	ONE STRUT S67	1				67	ONE STRUT S67	1	

DIVISIONS
5 4 3 2 1

3 6 8

3 6 8

1 1 1

1 1 1

1 1 1

3 6 8

3 6 8

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

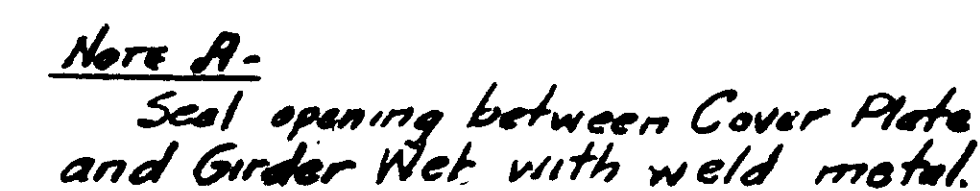
1 1 1

1 1 1

1 1 1

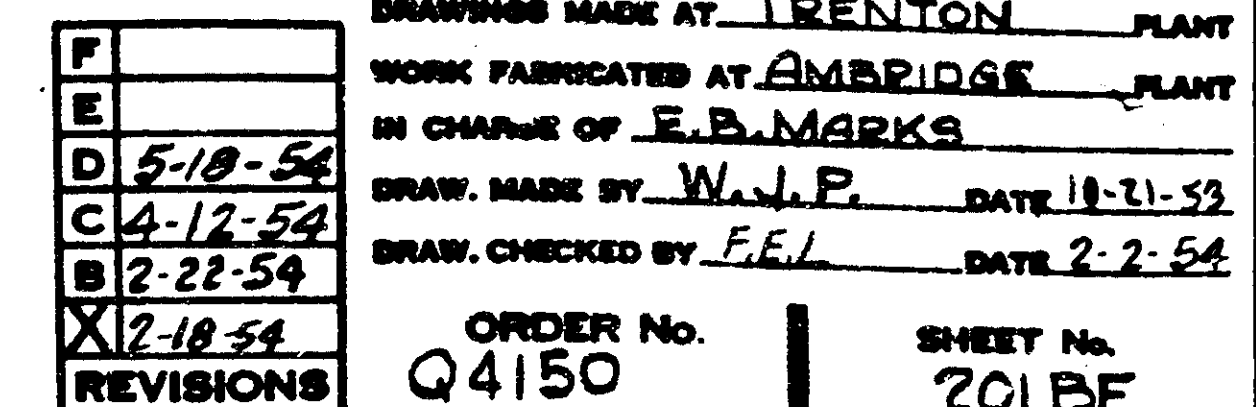
1 1 1

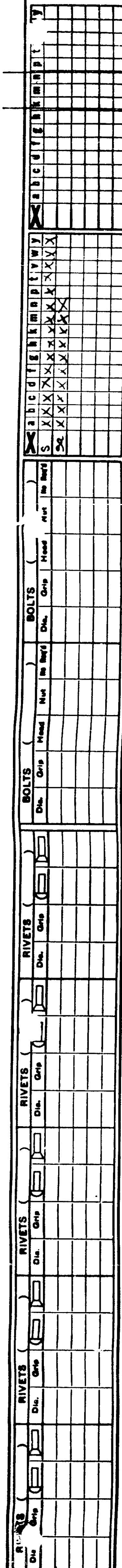
1 1 1



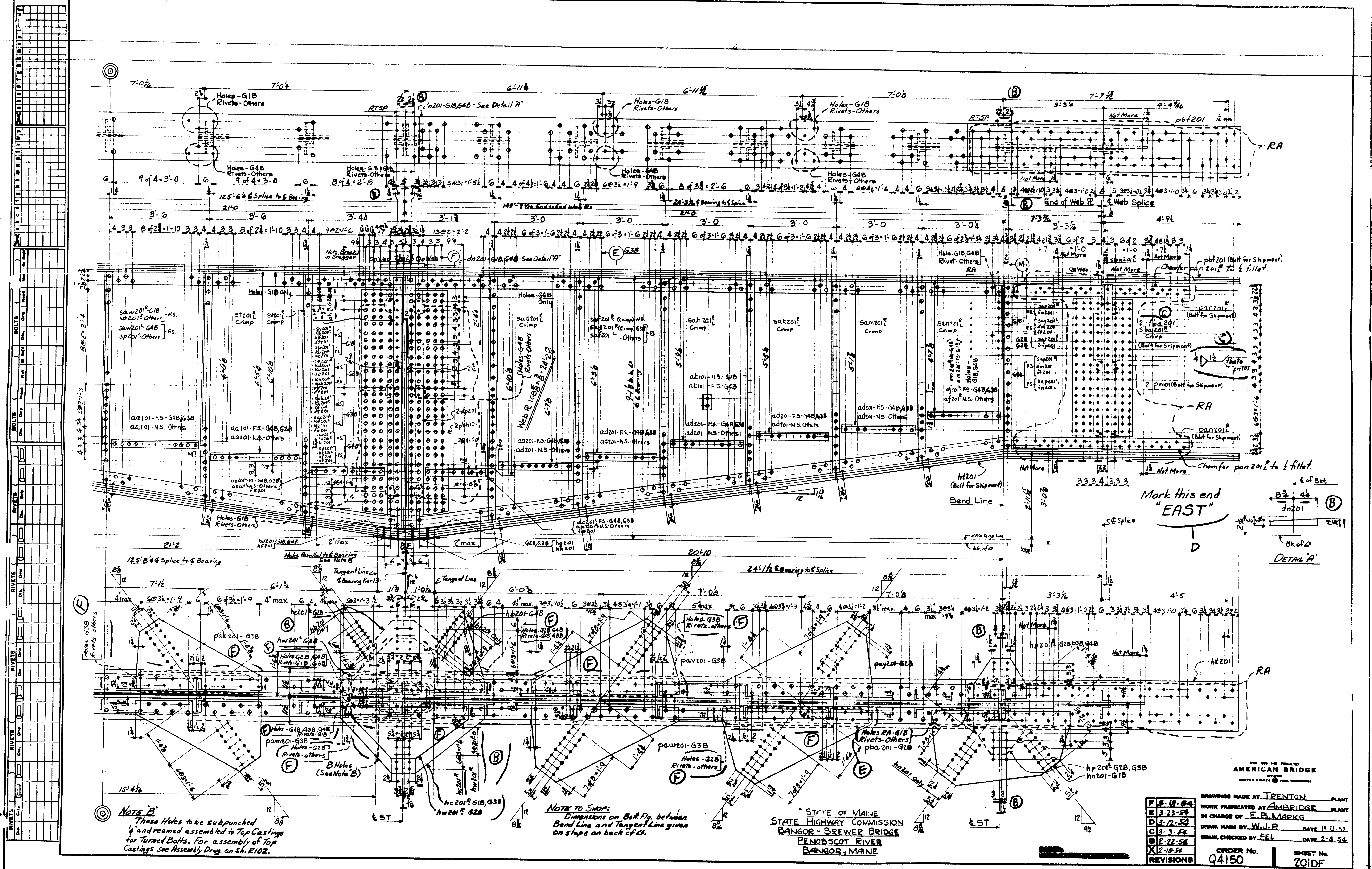
146

F	
E	
D	5-18-54
C	3-12-54
B	2-22-54
X	2-18-54
REVISIONS	





		F 3-22-54	DRAWINGS MADE AT <u>TRENTON</u>	PLAN
		E 3-18-54	WORK FABRICATED AT <u>AMBRIDGE</u>	PLAN
		D 3-18-54	IN CHARGE OF <u>E.B. MARKS</u>	
		C 3-3-54	DRAW. MADE BY <u>W.J.P.</u>	DATE <u>10-31-55</u>
		B 2-22-54	DRAW. CHECKED BY <u>FEL</u>	DATE <u>2-3-54</u>
		X 2-18-54	ORDER No.	SHEET No.
		REVISIONS	Q4150	701CE



NOTE 'B'
These Holes to be subpunched &reamed assembled to Top Castings for Turned Bolts. For assembly of Top Castings see Assembly Drawg. on Sh. E102.

NOTE TO SHOP:
Dimensions on Bolt Flg. between Bend Line and Tangent Line given on slope on back of C.

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

DRAWINGS MADE AT TRENTON		PLANT
WORK FABRICATED AT AMBRIDGE		PLANT
IN CHARGE OF E.B. MARKS		
DRAW. MADE BY W.J.B.		DATE 10-31-53
DRAW. CHECKED BY F.E.L.		DATE 2-4-54
ORDER No. Q4150		SHEET No. 201DF
REVISIONS		
F.S. 10-54		
E.B. 12-54		
D.B. 3-54		
C.B. 3-54		
B. 2-22-54		
X 2-18-54		

UNITED STATES STEEL COMPANY

										Daddy ST.	
68	1	R	222	3/16	2	5	3	pa 201-G3B	C 20	5	
69	1	R	222	3/16	2	4	4	pb201	G3B	18	
70	1	R	222	3/16	2	6	6	pc201	G2B	21	
71	1	R	222	3/16	2	6	6	pd 201-G2B	G3B	21	
72	9	R	222	3/16	1	112	112	pf201	G3B	21	
73	3	R	222	3/16	3	3	3	pg201	G3B	10/5	
74	5	R	222	3/16	2	4	4	ph201	G3B	51/34	
75	1	R	222	3/16	2	7	7	pk 201-G2B	G3B	23	
76	1	R	222	3/16	2	10	10	pm 201-G3B	G3B	28	
77	1	R	222	3/16	2	6	6	pn201	G3B	20	
78	1	R	222	3/16	2	7	7	pp 201-G3B	G3B	23	
79	1	R	222	3/16	2	7	7	pr 201-G2B	G3B	23	
80	1	R	222	3/16	2	7	7	pr 201-G2B	G3B	23	
81	1	R	222	3/16	2	7	7	py 201-G3B	G3B	23	
82	1	R	242	3/16	3	8	8	pa201	G4B	14	
83	1	R	242	3/16	3	5	5	pac 201-G3B	G3B	28	
84	1	R	242	3/16	3	5	5	pad201	G3B	29	
85	1	R	242	3/16	3	9	9	pag201	G3B	32	
86	1	R	242	3/16	3	82	82	pag 201-G2B	G3B	32	
87	1	R	242	3/16	4	3	3	pk 201	G1B Bent	25	
88	1	R	30	3/16	4	3	3	pak 201-G3B	G3B	52	
89	1	R	30	3/16	4	3	3	pan201	G3B	52	
90	16	R	5	3/16	5	5	5	pan201	G3B	18	
91	1	R	41	3/16	5	3	3	curved	hb 201-G4B	30	
92	1	R	30	3/16	4	14	14	pbag 201	G2B	49	
93	24	R	252	3/16	5	0	0	ipn 101	G3B	20-1	
94	16	R	5	3/16	6	116	116	pa201	G3B	72	
95	1	R	322	3/16	4	11	11	pa201	G3B	72	
96	1	R	322	3/16	4	11	11	pa201	G3B	72	
97	1	R	322	3/16	5	3	3	pa201	G3B	80	
98	1	R	322	3/16	5	3	3	pa201	G3B	80	
99	3	R	174	3/16	2	2	2	pb201	G3B	29	
100	1	R	322	3/16	4	7	7	hm201	G1B Bent	29	
101	8	R	35	3/16	8	14	14	ph201	G3B	22-5	
102	8	R	35	3/16	8	14	14	ph201	G3B	22-5	
103	2	R	6	3/16	6	2	2	kc 201	Final G1B, G4B	30-0	
104	2	R	6	3/16	6	2	2	kc 201	Final G1B, G4B	30-0	
105	4	R	32	3/16	1	92	92	th 201	G3B	30-0	
106	4	R	32	3/16	1	92	92	th 201	G3B	30-0	
107	2	R	20	3/16	2	2	2	hb201	G1B, G4B	30-0	
108	2	R	20	3/16	2	2	2	hb201	G1B, G4B	30-0	
109	2	R	20	3/16	2	2	2	hb201	G1B, G4B	30-0	
110	16	R	5	3/16	6	116	116	pa201	G3B	72	
111	8	R	35	3/16	8	14	14	ph201	G3B	22-5	
112	8	R	35	3/16	8	14	14	ph201	G3B	22-5	
113	6	R	20	3/16	2	2	2	hb201	G1B, G4B	30-0	
114	8	R	35	3/16	8	14	14	ph201	G3B	22-5	
115	4	R	32	3/16	1	92	92	th 201	G3B	30-0	
116	8	R	35	3/16	8	14	14	ph201	G3B	22-5	
117	8	R	35	3/16	8	14	14	ph201	G3B	22-5	
118	8	R	35	3/16	8	14	14	ph201	G3B	22-5	
119	4	R	32	3/16	1	92	92	th 201	G3B	30-0	
120	16	R	5	3/16	6	116	116	pa201	G3B	72	
121	4	R	32	3/16	1	92	92	th 201	G3B	30-0	
122	4	R	32	3/16	1	92	92	th 201	G3B	30-0	
123	4	R	32	3/16	1	92	92	th 201	G3B	30-0	
124	20	S	4	3/16	2	2	2	hb201	G1B, G4B	30-0	
125	4	R	32	3/16	1	92	92	th 201	G3B	30-0	
126	9	S	6	3/16	2	2	2	hb201	G1B, G4B	30-0	
127	8	S	4	3/16	2	2	2	hb201	G1B, G4B	30-0	
128	2	S	6	3/16	2	2	2	hb201	G1B, G4B	30-0	
129	2	S	6	3/16	2	2	2	hb201	G1B, G4B	30-0	
130											
131	2	S	6	3/16	2	2	2	hb201	G1B, G4B	30-0	
132	2	R	6	3/16	2	2	2	hb201	G1B, G4B	30-0	

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

DRAWINGS MADE AT TRENTON PLANT

WORK FABRICATED AT AMBRIDGE PLANT

IN CHARGE OF E. B. MARKS

DRAWN MADE BY W. J. P. DATE 10-7-52

DRAWN CHECKED BY FEL DATE 3-8-54

DATE CHECKED BY 1-1 DATE 6-8-87

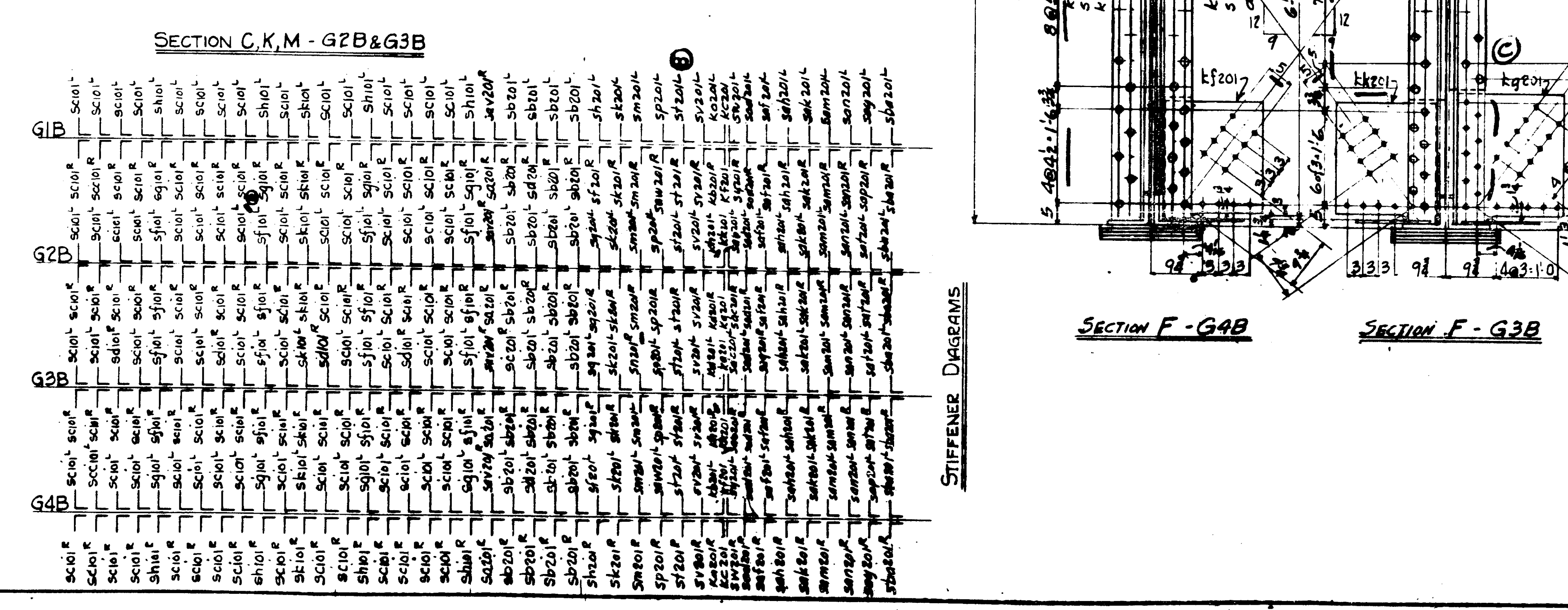
ORDER No. 0450 SHEET No. 01

Q430 201EF

201 4702 W.F. DIME

WELDON

1990

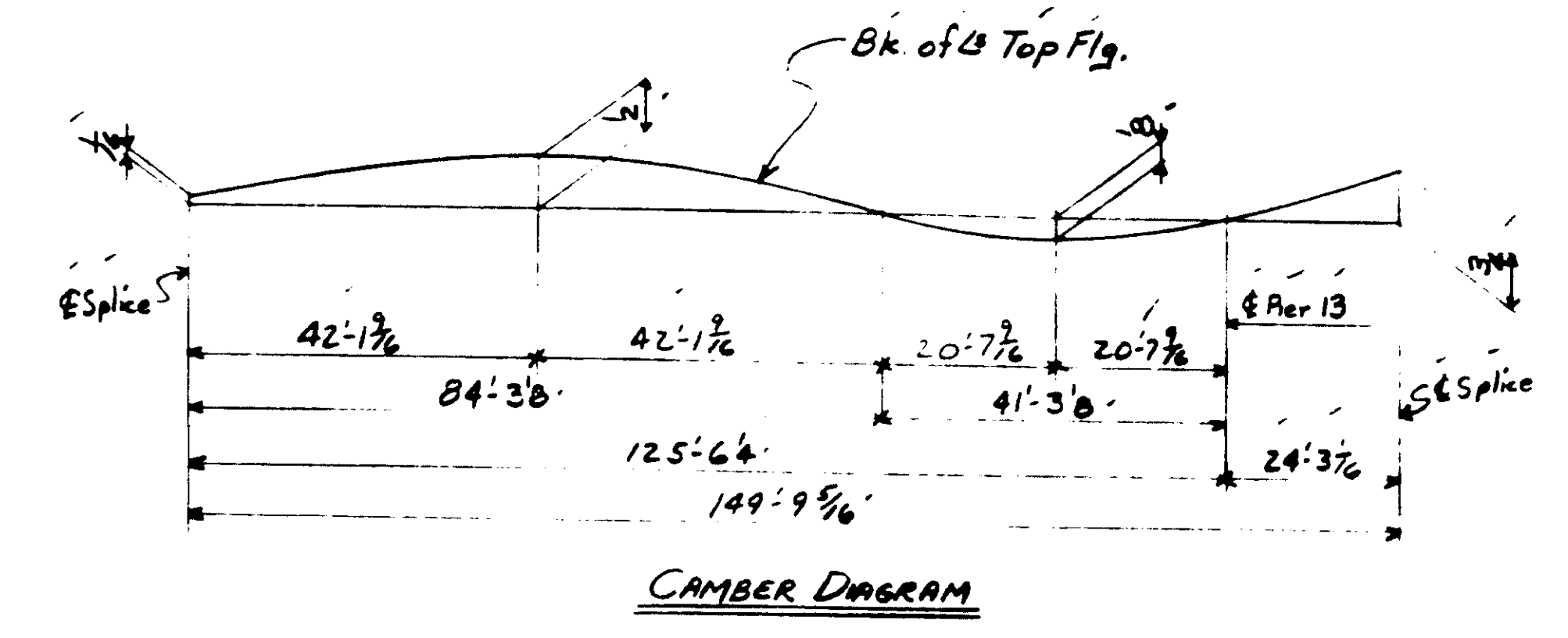
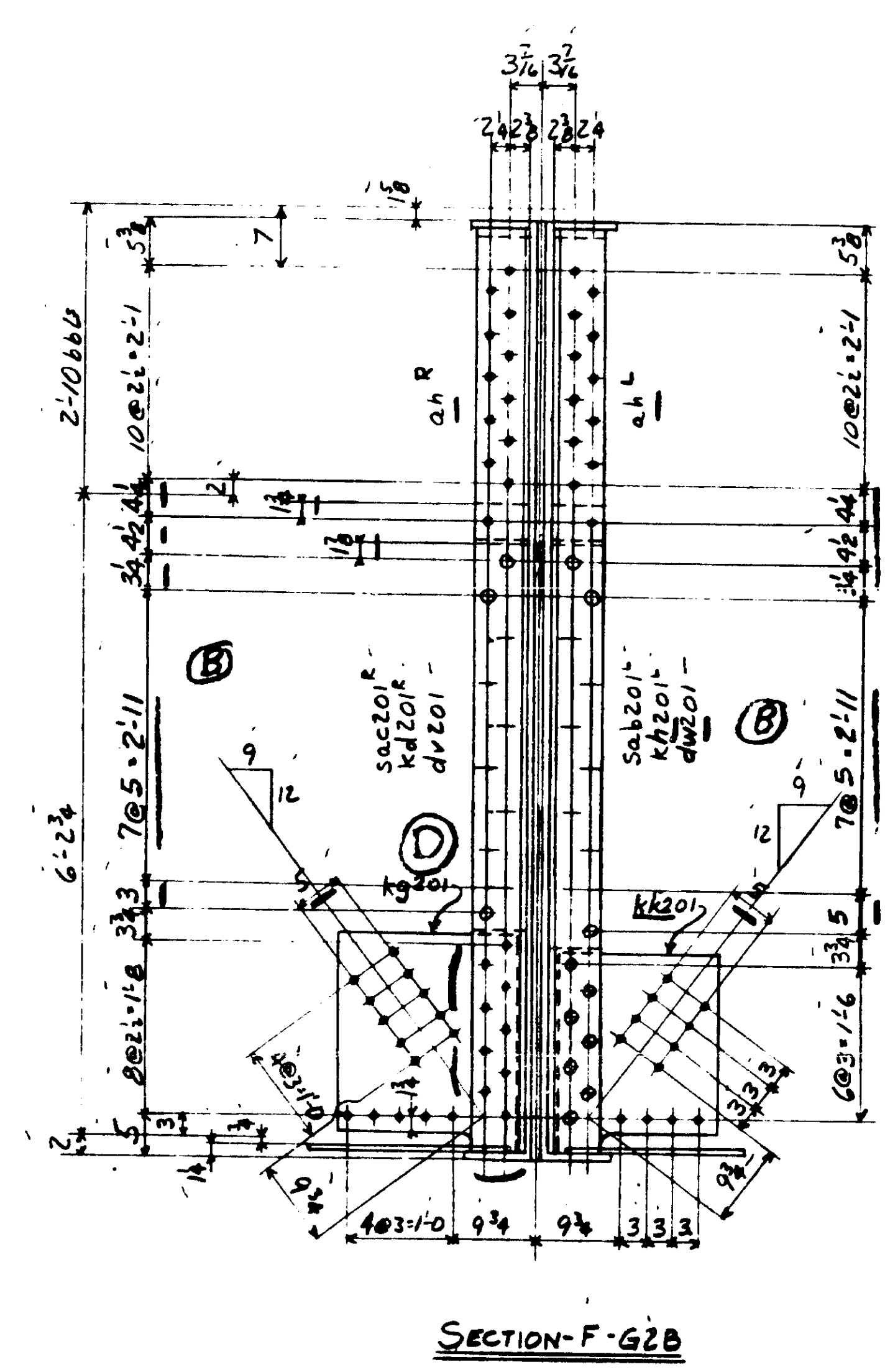
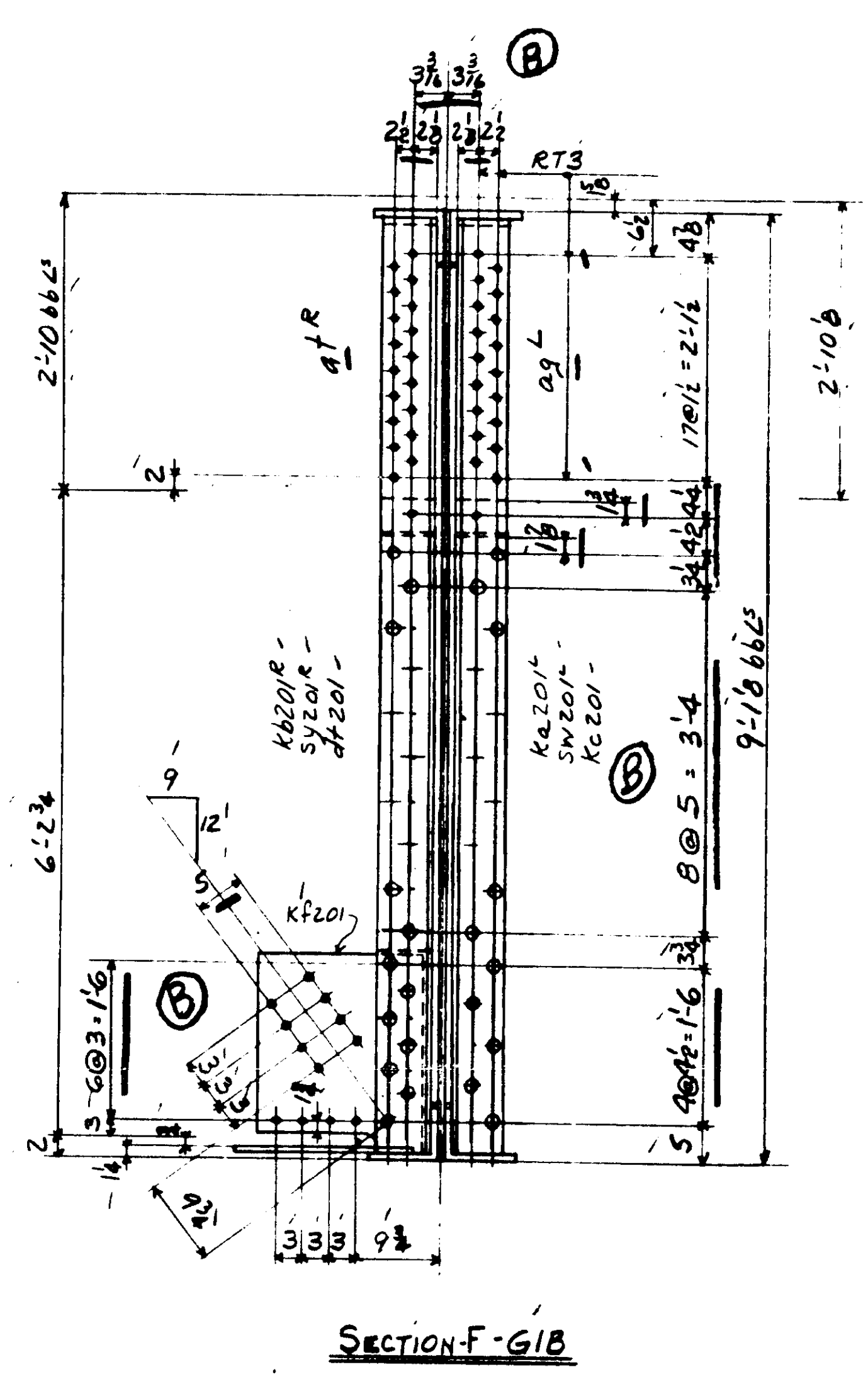
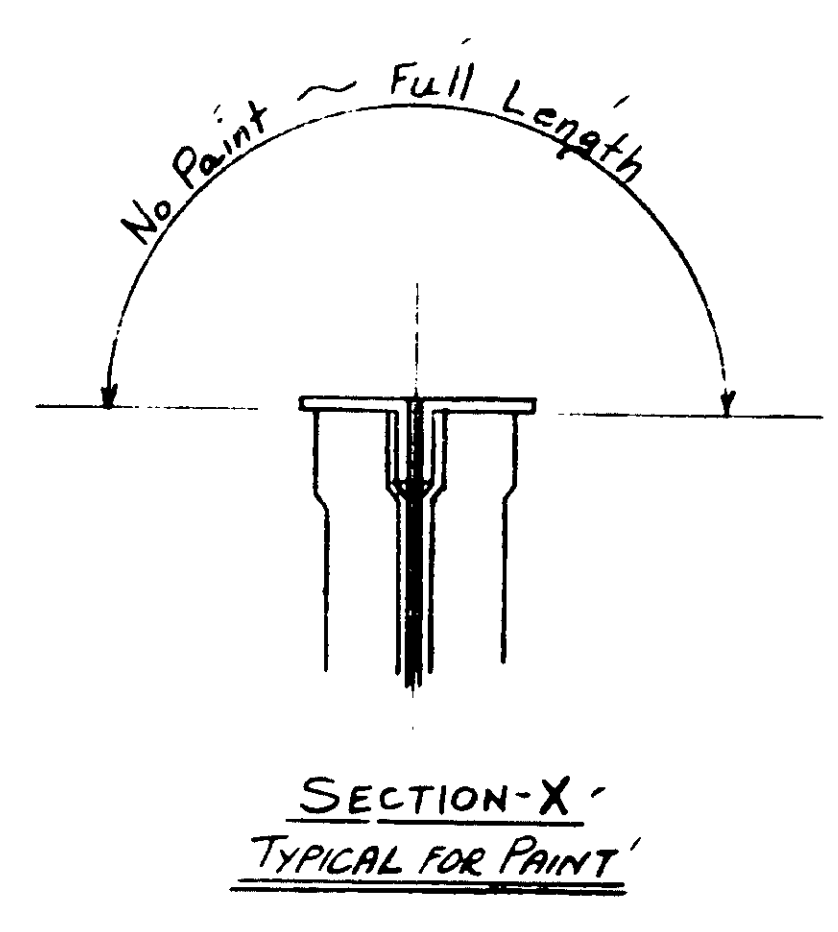
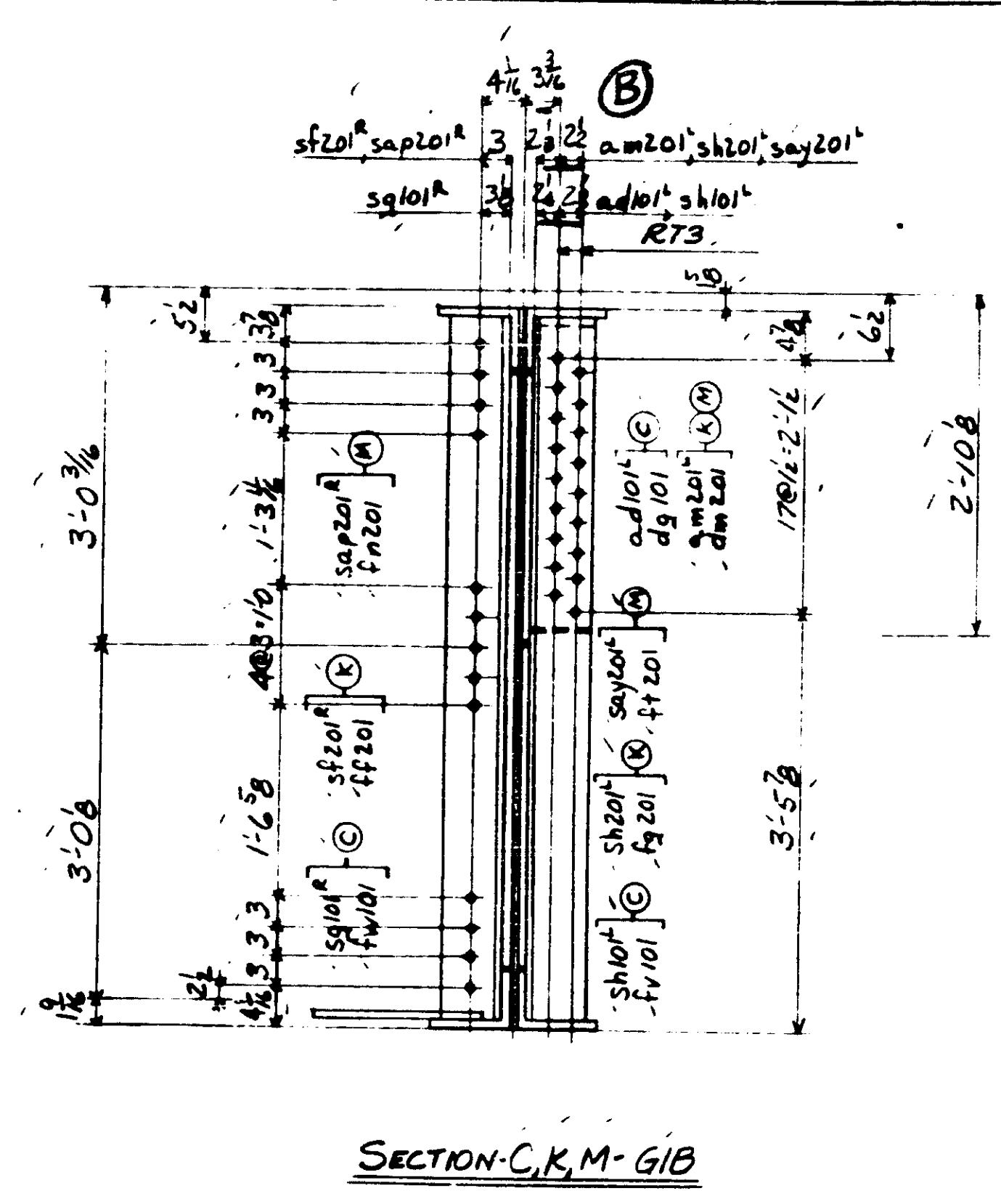


STIFFENER DIAGRAMS

SECTION F - G3E

WELDING

REV	DATE	BY	CHK	DESCRIPTION
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				



NOTES:

SPECIFICATIONS - Maine State Highway Commission 1945 and Special Provisions

MATERIAL - A. H. Steel ASTM A7-52T

RIVETS - 7/8" Holes - 1/8" 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 1/8" and reamed to size.

Holes marked RT to be subpunched or subdrilled 1/8" and reamed to size to a metal template.

Holes marked RA to be subpunched or subdrilled 1/8" 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.

Yes, Except as shown in Section X.

PAINT - SHOP CONTACT SURFACES - No

LIFTING WT. - 35 TONS

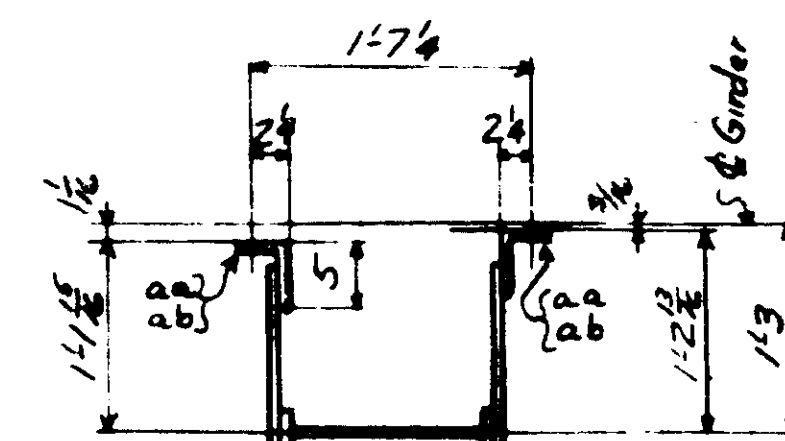
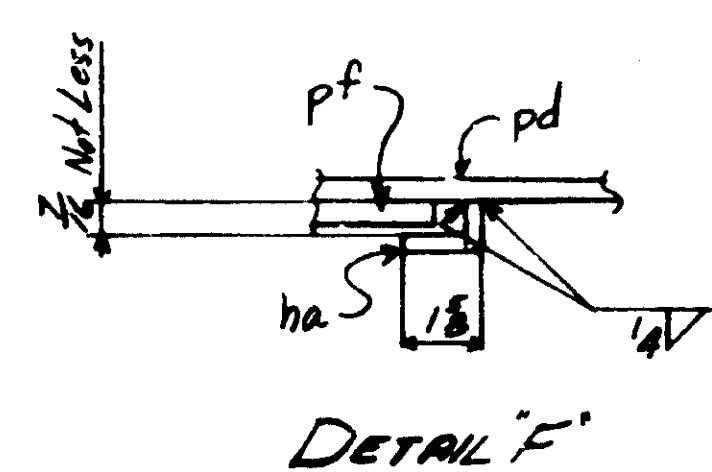
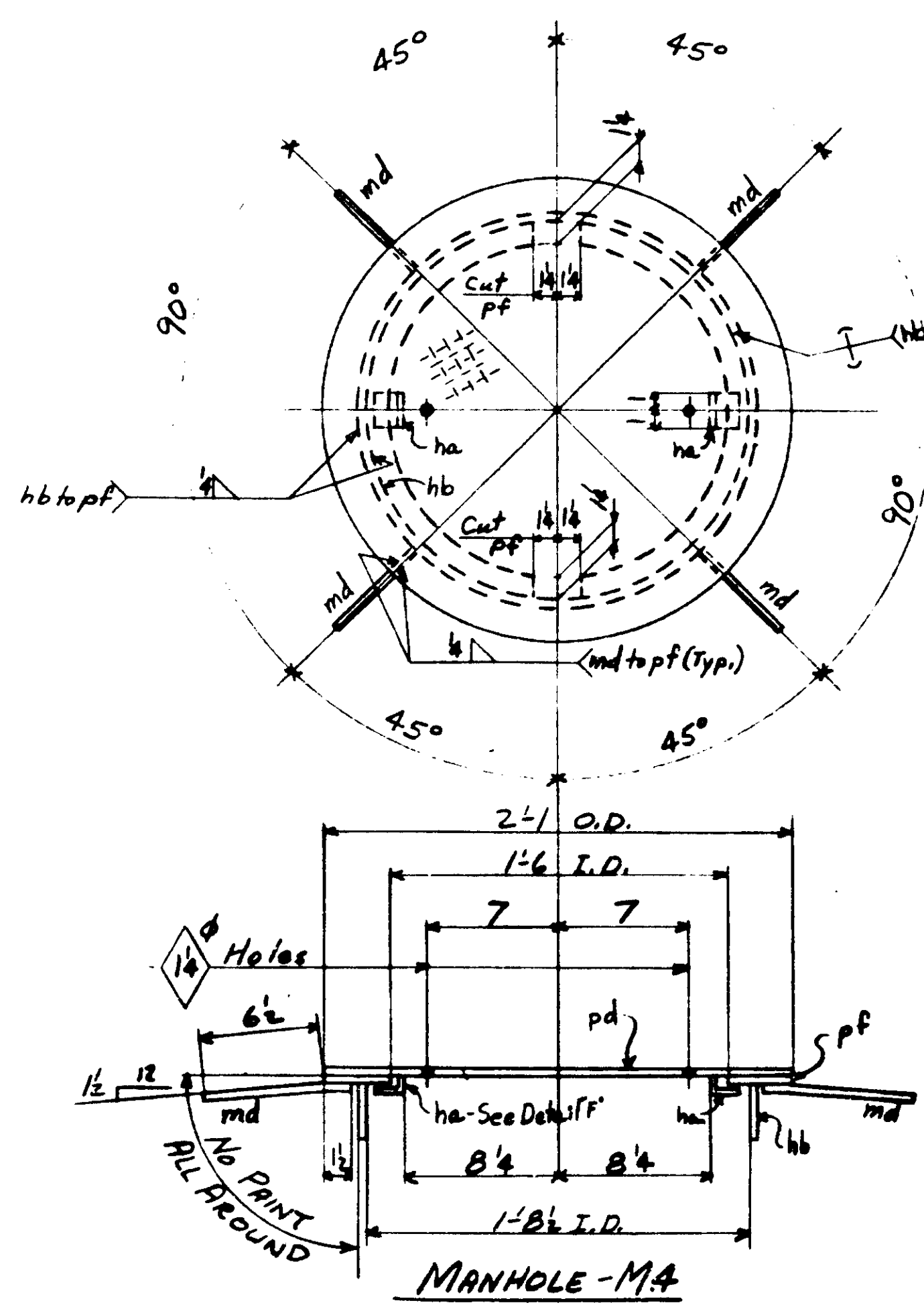
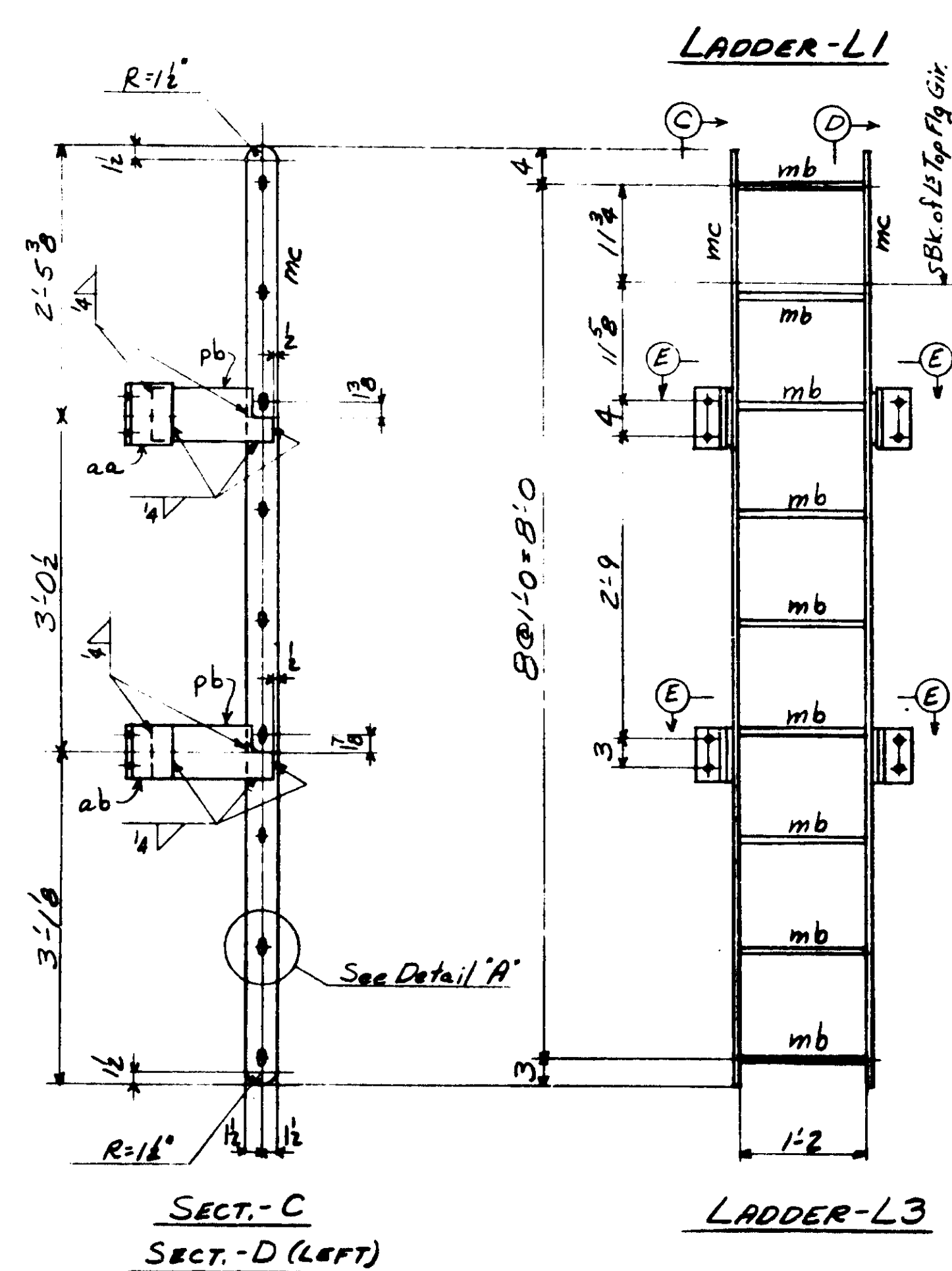
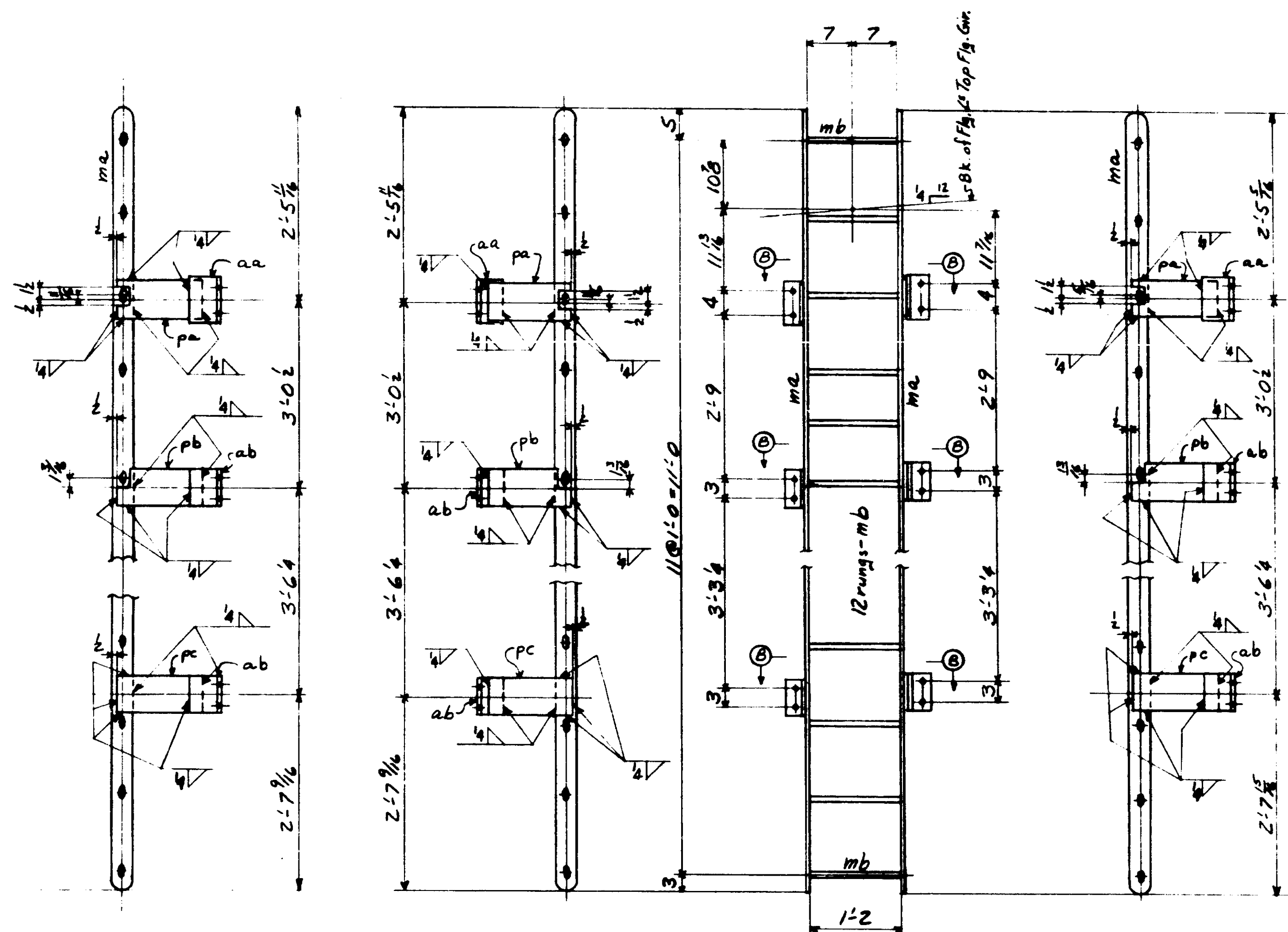
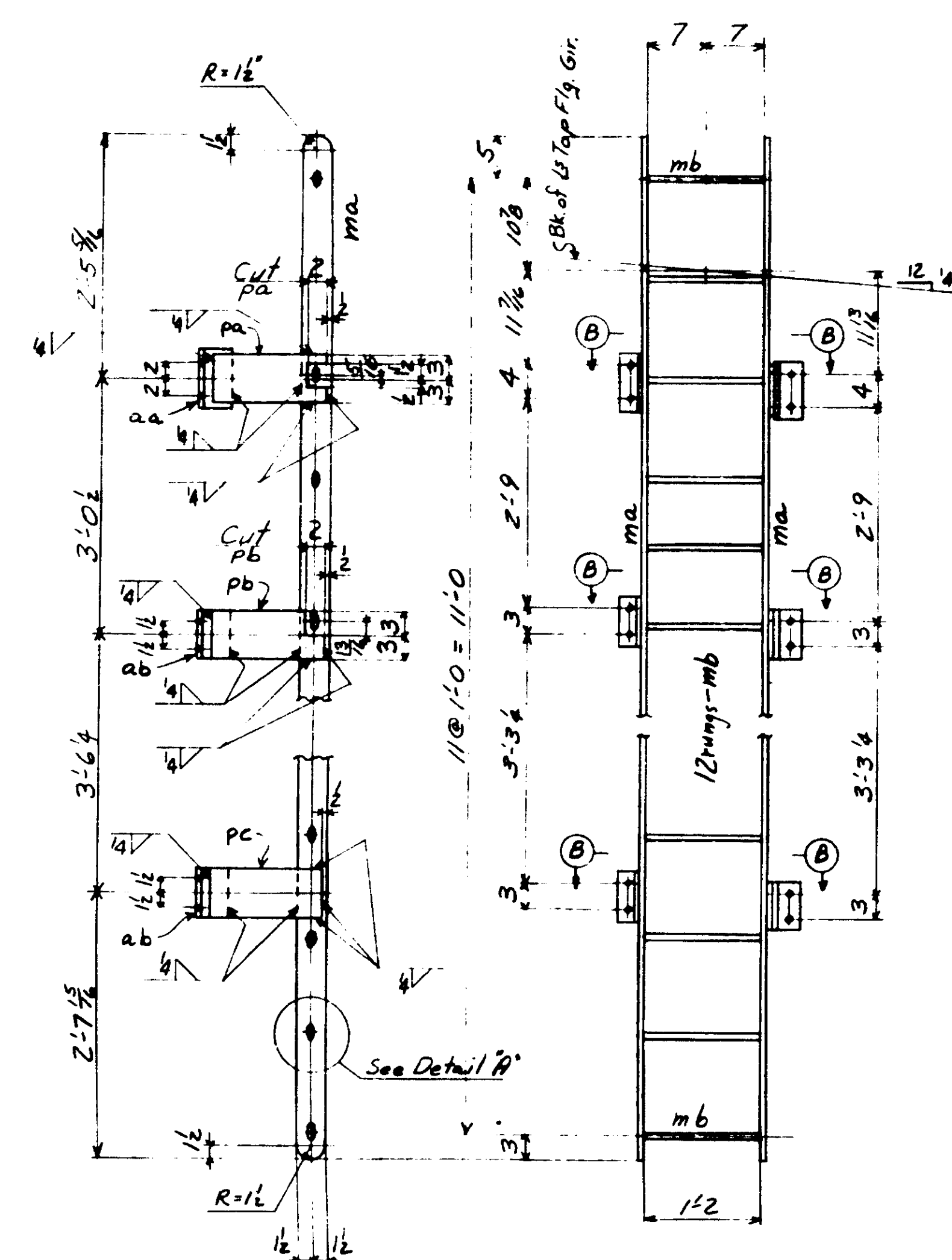
As Shipped Loose

AMERICAN BRIDGE COMPANY									
LINE	ITEM	SHAPE	LENGTH	WEIGHT	REMARKS	ORDERED	ITEM	WEIGHT	REMARKS
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50									
51									
52									
53									
54									
55									
56									
57									
58									
59									
60									
61									
62									
63									
64									
65									
66									
67									
68									
69									
70									
71									
72									
73									
74									
75									
76									
77									
78									
79									
80									
81									
82									
83									
84									
85									
86									
87									
88									
89									
90									
91									
92									
93									
94									
95									
96									
97									
98									
99									
100									

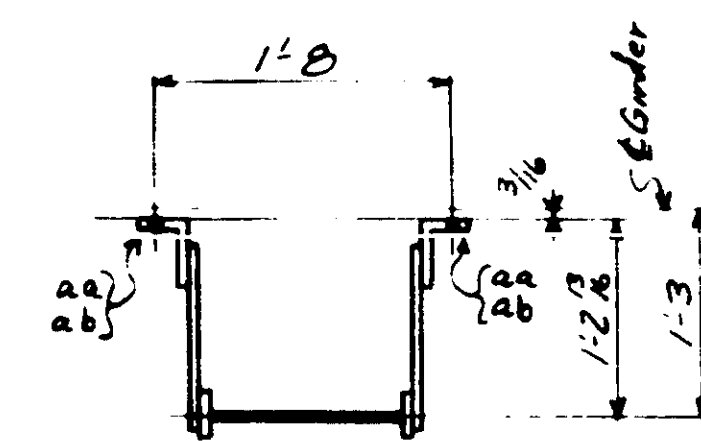
SHEET 401 WORKS WITH THIS SHEET

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

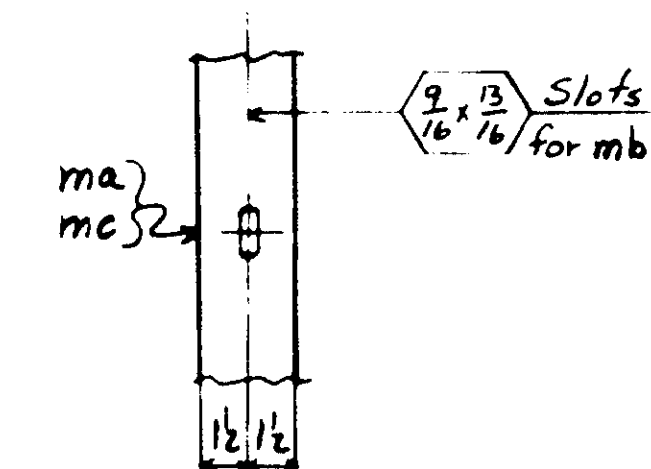
AMERICAN BRIDGE COMPANY
DRAWINGS MADE AT Trenton PLANT
WORK FABRICATED AT Ambridge PLANT
IN CHARGE OF E.B. Marks
DRAW. MADE BY PRY DATE 2-5-54
DRAW. CHECKED BY FEL DATE 2-8-54
REVISIONS
X 2-18-54
ORDER No. Q4150 SHEET No. 201F

[illegible]

SECT. B

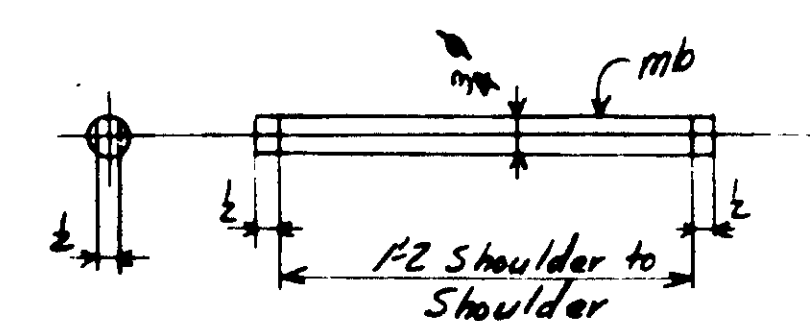


SECT. E



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 - $\frac{3}{8}$ " Unless Noted
PAINT - Yes, Except as noted
Shop Contact Surfaces - No

DRAWING WITH BILL
AMERICAN BRIDGE COMPANY

[illegible]

LADDERS & MANHOLES

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

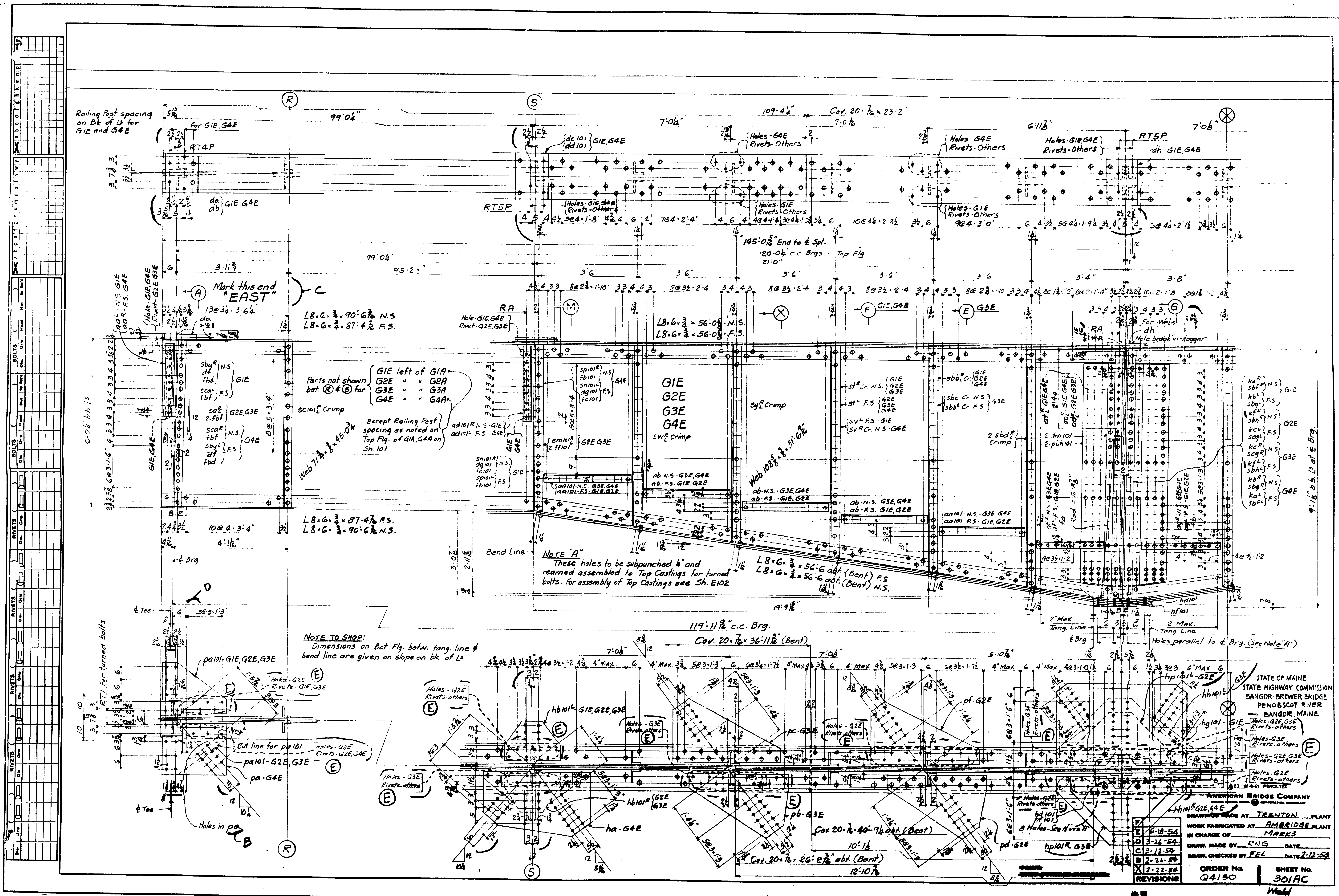
ON 100-0-0 PENCILTEX
AMERICAN BRIDGE COMPANY
 UNITED STATES STEEL CORPORATION SUBSIDIARY

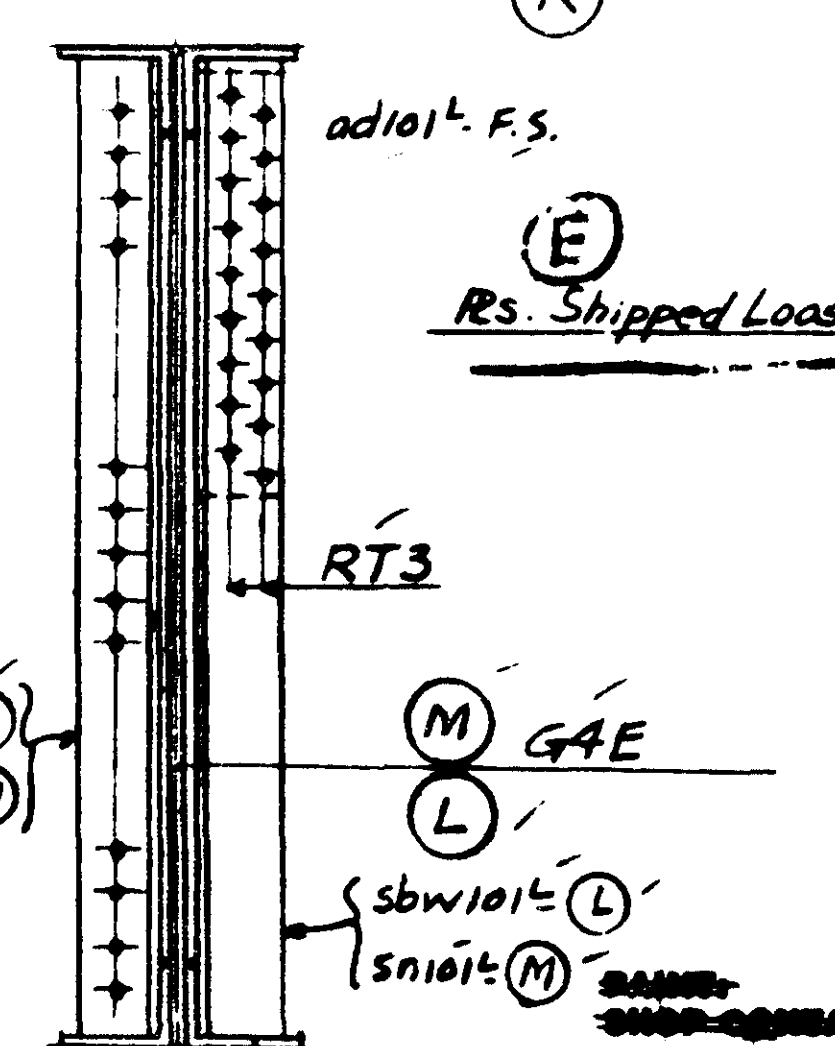
DRAWINGS MADE AT Trenton PLANT
WORK FABRICATED AT Ambridge PLANT
IN CHARGE OF E.B. Marks
DRAW. MADE BY PRY DATE 2-16-54
DRAW. CHECKED BY FEL DATE 2-18-54

ORDER No. Q4150 SHEET No. 202

Figure 203

Welding





F		DRAWINGS MADE AT	TRENTON	PLANT
E	5-18-54	WORK FABRICATED AT	AMERIBRIDGE	PLANT
D	3-12-54	IN CHARGE OF	MARKS	
C	3-4-54	DRAW. MADE BY	RNG	DATE
B	2-26-54	DRAW. CHECKED BY	FEL	DATE 2-12-54
X	2-22-54	ORDER NO.	Q4150	SHEET NO. 301BC
REVISIONS				

AMERICAN BRIDGE

UNITED STATES STEEL COMPANY
DRAWING WITH BILL

LINE	ITEM	MATERIAL	LENGTH	AREA	REMARKS	ORDERED	CALCULATED
		SHAPE	Feet	Sq. In.		ITEM	WEIGHT LBS. PER PIECE
1							
2							
3							
4		ONE GIRDER - G1E	60513	Do Not Change			394.8
5		ONE GIRDER - G2E	59914	↑			394.8
6		ONE GIRDER - G3E	60035	↓			394.8
7		ONE GIRDER - G4E	60530	Do Not Change			394.8
8							
9		4 W. R. 7.5	45	0.3			4.245
10		4 W. R. 7.5	43	0.3			4.132
11		4 W. R. 7.5	31	0.3	1000		3.589
12		4 W. R. 7.5	24	0.3	670		2.916
13		8 L. 8	90	0.6	2		4.117
14		8 L. 8	87	0.6	2		3.904
15		8 L. 8	56	0.8	6		3.783
16		8 L. 8	56	0.8	6		3.813
17							
18		8 Cor. R. 20	53	0	U.M. 2		3.152
19		8 Cor. R. 20	48	0	U.M. 2		2.911
20		4 Cor. R. 20	77	5	U.M. 8		2.290
21		4 Cor. R. 20	36	11.2	U.M. 37.3		1.095
22		4 Cor. R. 20	23	2	U.M. 1		6.88
23		4 Cor. R. 20	40	9.4	U.M. 41.1		1.209
24		4 Cor. R. 20	26	2.6	U.M. 26.6		7.75
25							
26							
27							
28							
29							
30		2 L. 6	4	3	11.4		2.09
31		4 L. 6	4	3	10.8		2.75
32		6 L. 5	32	3	10.3		3.36
33		4 L. 5	32	3	10.3		3.36
34							
35		6 L. 5	32	3	10.3		3.14
36		12 L. 5	32	3	10.3		3.05
37		4 L. 5	32	3	10.3		2.15
38		6 L. 5	32	3	10.3		2.13
39		8 L. 5	32	3	10.3		1.05
40		4 L. 5	32	3	10.3		1.02
41		2 L. 6	4	3	11.4		72
42		2 L. 6	4	3	11.4		72
43		6 L. 5	32	3	10.3		9.0
44		16 L. 5	32	3	10.3		2.09
45		2 L. 6	4	3	11.4		9.0
46		8 L. 5	32	3	10.3		1.15
47		8 L. 5	32	3	10.3		1.67
48		3 L. 6	32	3	10.3		9.6
49		4 L. 6	32	3	10.3		9.6
50		1 L. 6	32	3	10.3		9.6
51		8 L. 5	32	3	10.3		2.04
52		2 L. 6	4	3	11.4		2.09
53							
54		2 L. 6	4	3	11.4		2.10
55		8 L. 5	32	3	10.3		2.02
56		8 L. 5	32	3	10.3		1.88
57		6 L. 5	32	3	10.3		9.9
58							
59		2 L. 6	4	3	11.4		8.9
60		7 L. 5	32	3	10.3		1.65
61		1 L. 6	32	3	10.3		1.18
62		8 L. 5	32	3	10.3		1.14
63		2 L. 6	4	3	11.4		7.2
64		2 L. 5	32	3	10.3		5.2
65		2 L. 5	32	3	10.3		7.2
66							
67							

LIFTING WEIGHT = 32 TONS

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

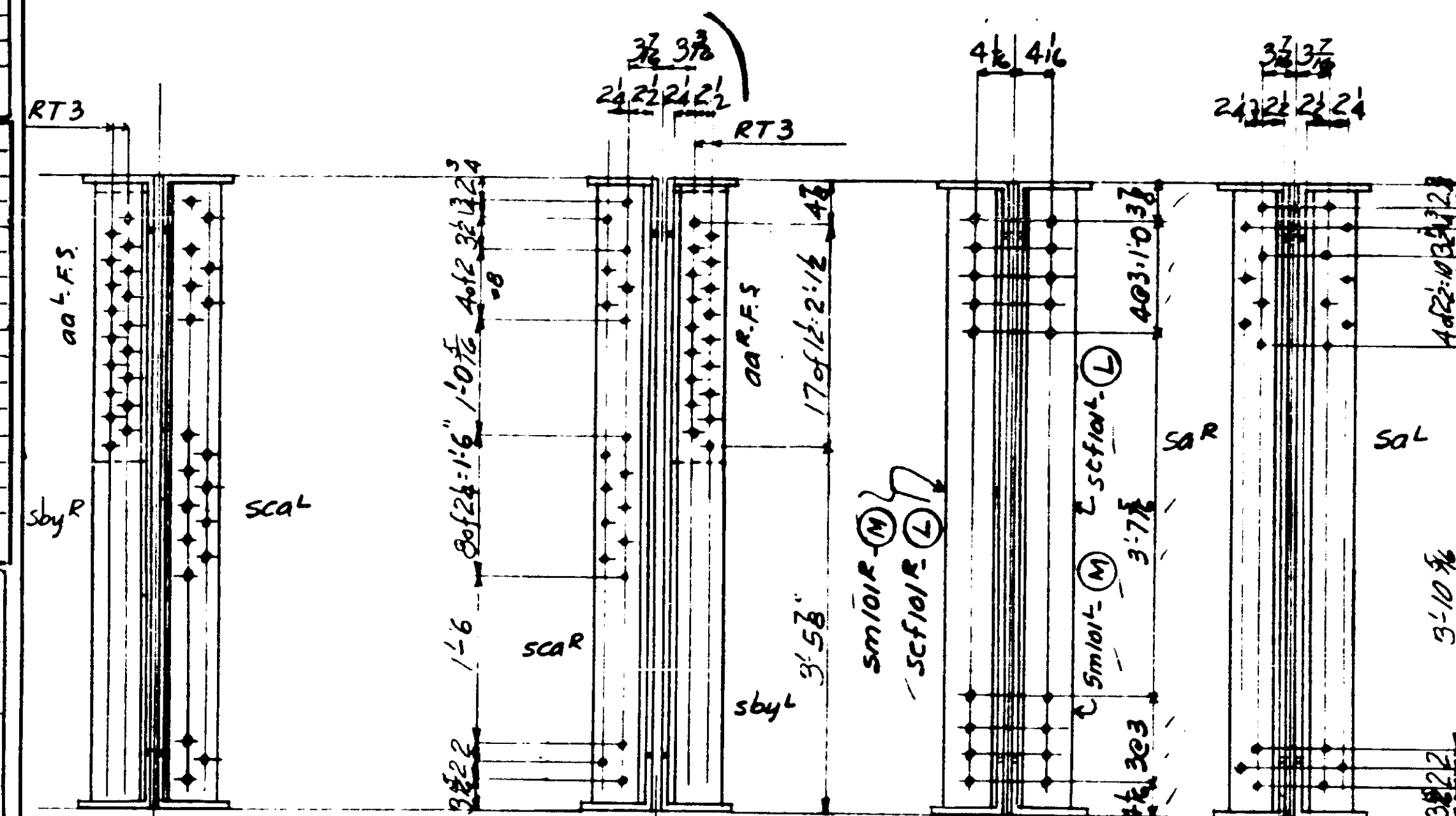
AMERICAN BRIDGE
UNITED STATES STEEL COMPANY

DRAWINGS MADE AT TRENTON PLANT
WORK FABRICATED AT AMBRIDGE PLANT
IN CHARGE OF E.B. MARKS
DRAW. MADE BY R.N.G. DATE 9/29/53
DRAW. CHECKED BY F.E.I. DATE 2/12/54
ORDER No. Q4150 SHEET No. 301 C

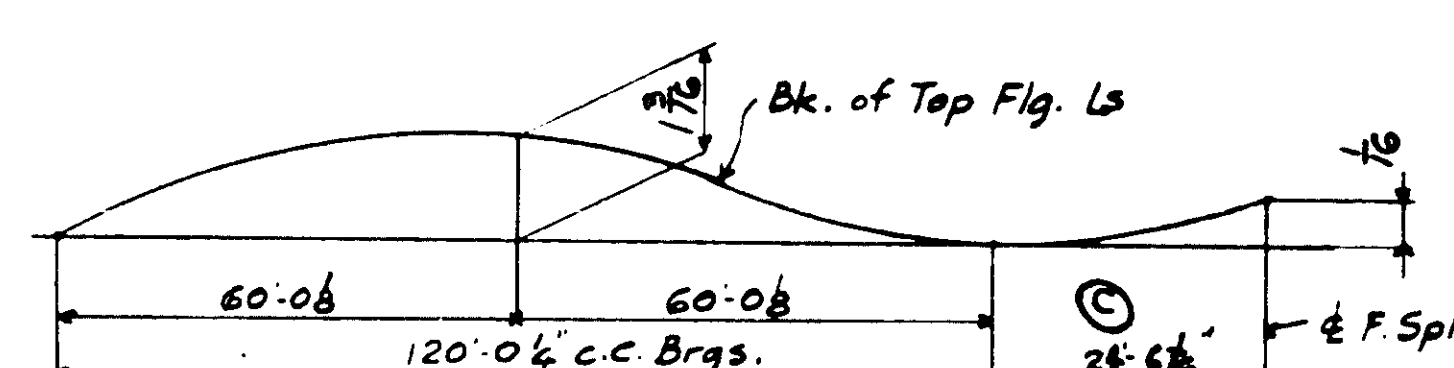
LINE	ITEM	MATERIAL	LENGTH	AREA	REMARKS	ORDERED	CALCULATED
		SHAPE	Feet	Sq. In.		ITEM	WEIGHT LBS. PER PIECE
68							
69							
70							
71							
72							
73							
74							
75							
76							
77							
78							
79							
80							
81							
82							
83							
84							
85							
86							
87							
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							
113							
114							
115							
116							
117							
118							
119							
120							
121							
122							
123							
124							
125							
126							
127							
128							
129							
130							

NOTES:
SPECIFICATIONS: Maine State Highway Commission 1945 and Special Provisions
MATERIAL: A.M. Steel A.S.T.M. A7-52T
RIVETS: 7/8" 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 Sh. E102)
Connecting members to be matchmarked.
Fillers and splice plates under stiffeners to fit within 8" of flange angles.
B.E. indicates bearing end of stiffeners.
PAINT: Yes, except as shown in Section X
SHOP CONTACT SURFACES: No

WORK WITH SHEET 101



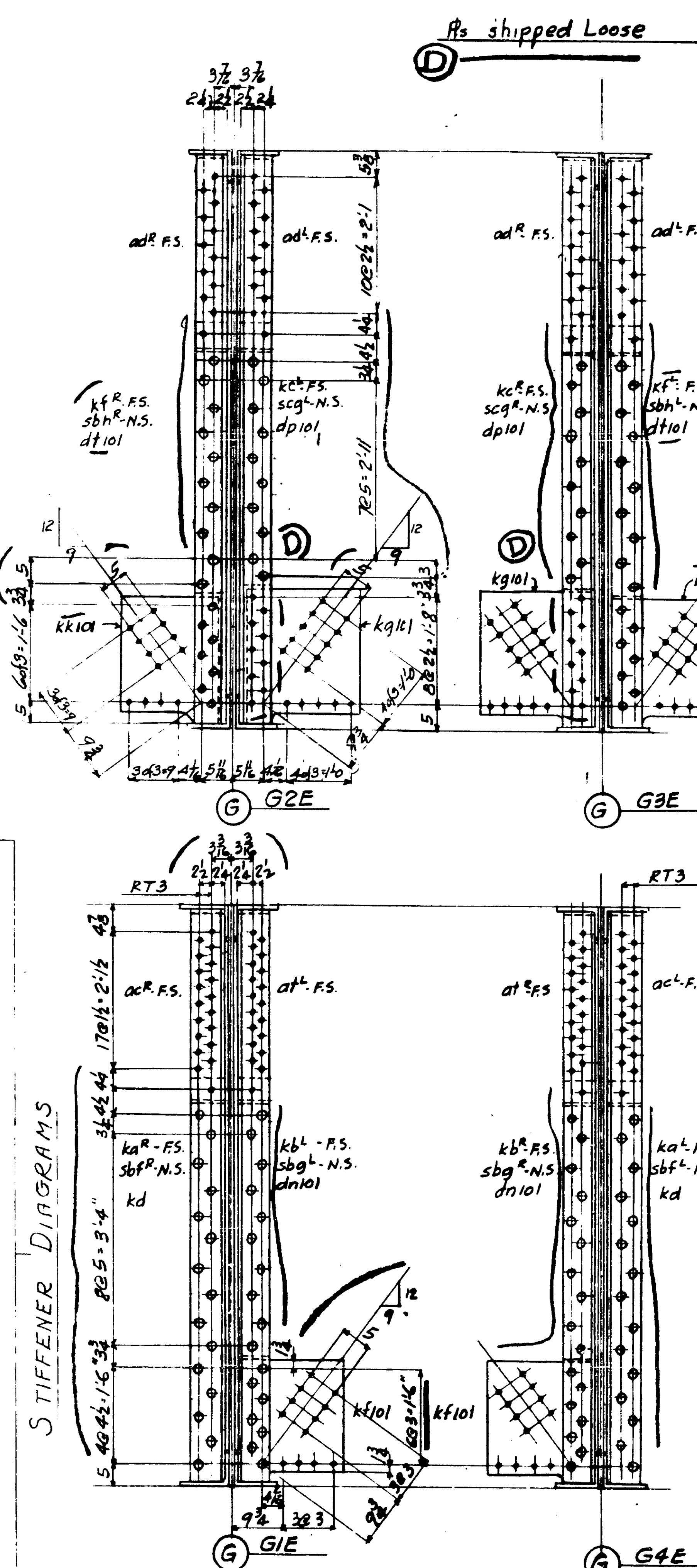
A G1E A G4E L G2E, G3E A G2E, G3E



CAMBER DIAGRAM

SECT. X (Typical)

LINE	ITEM	MATERIAL	LENGTH	AREA	REMARKS	ORDERED	CALCULATED
		SHAPE	Feet	Sq. In.		ITEM	WEIGHT LBS. PER PIECE
G4E							
G3E							
G2E							
G1E							

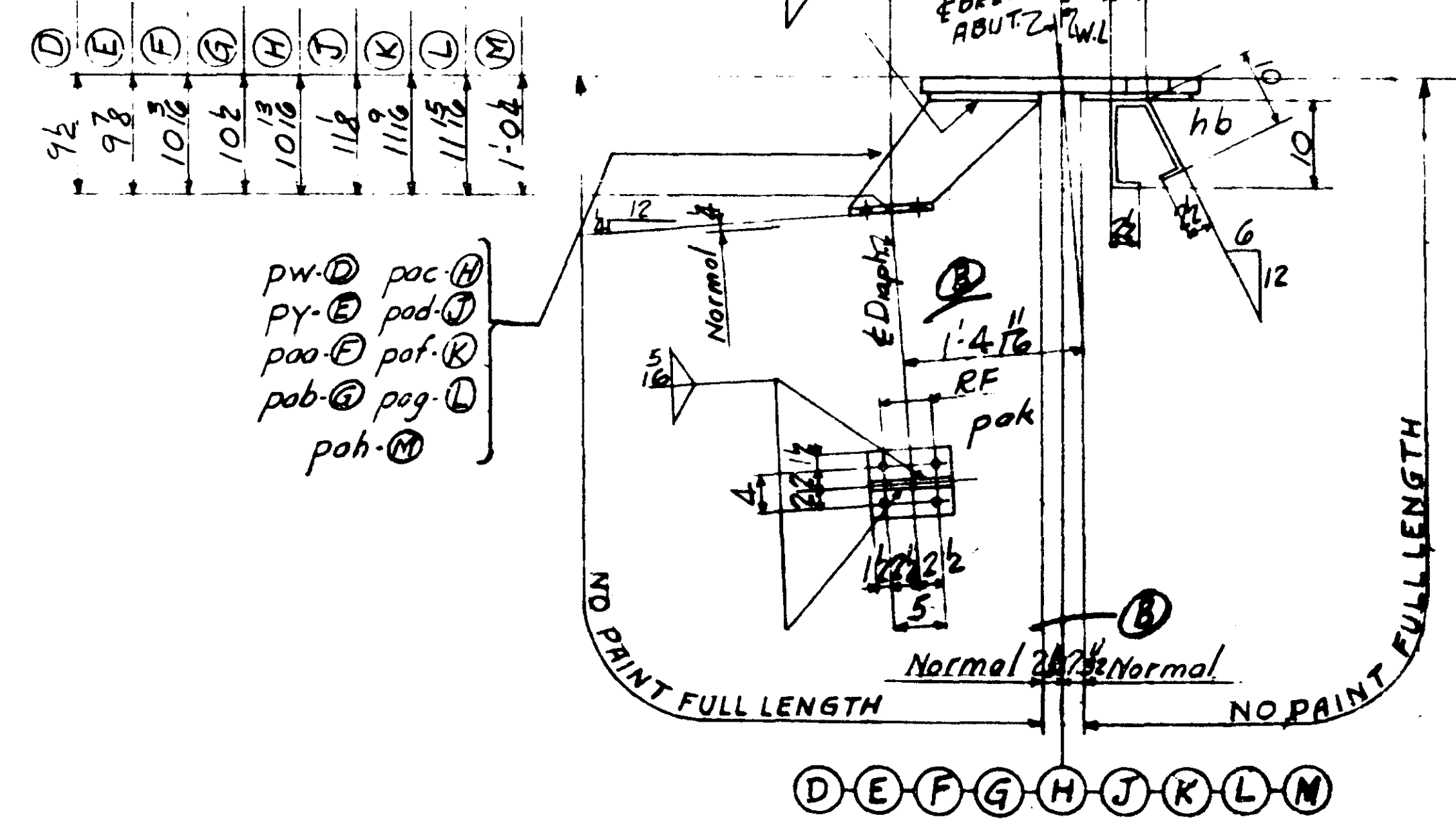
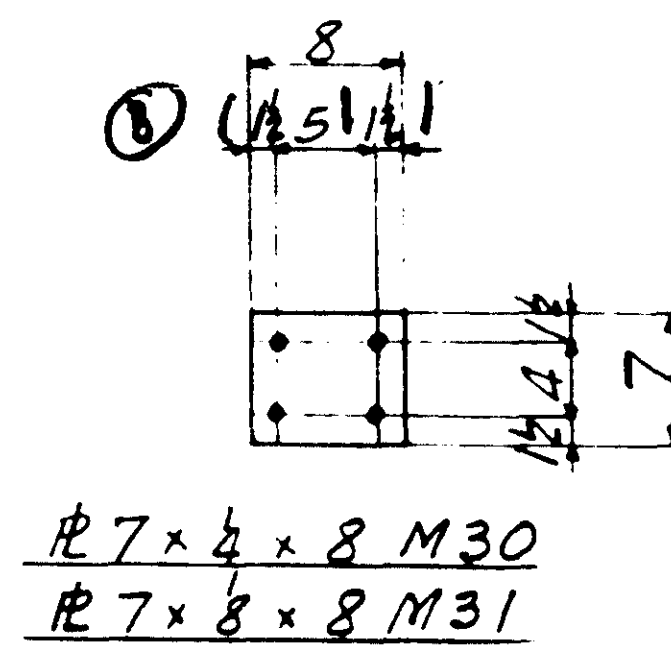
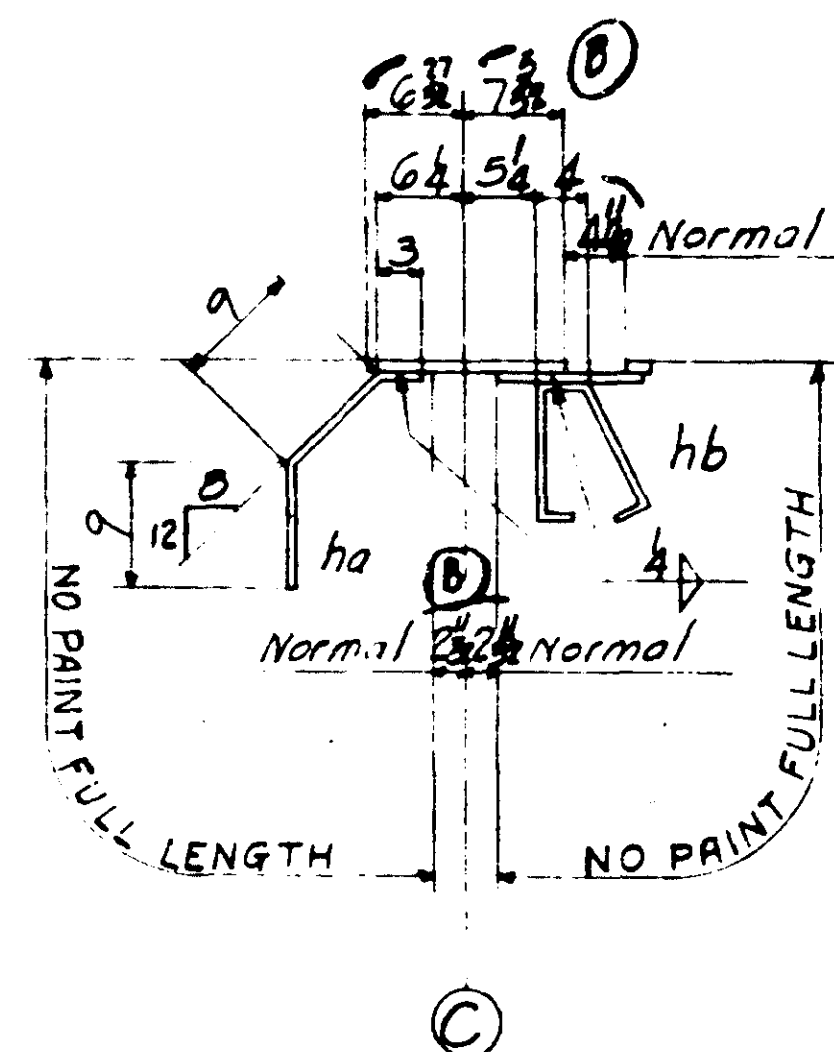
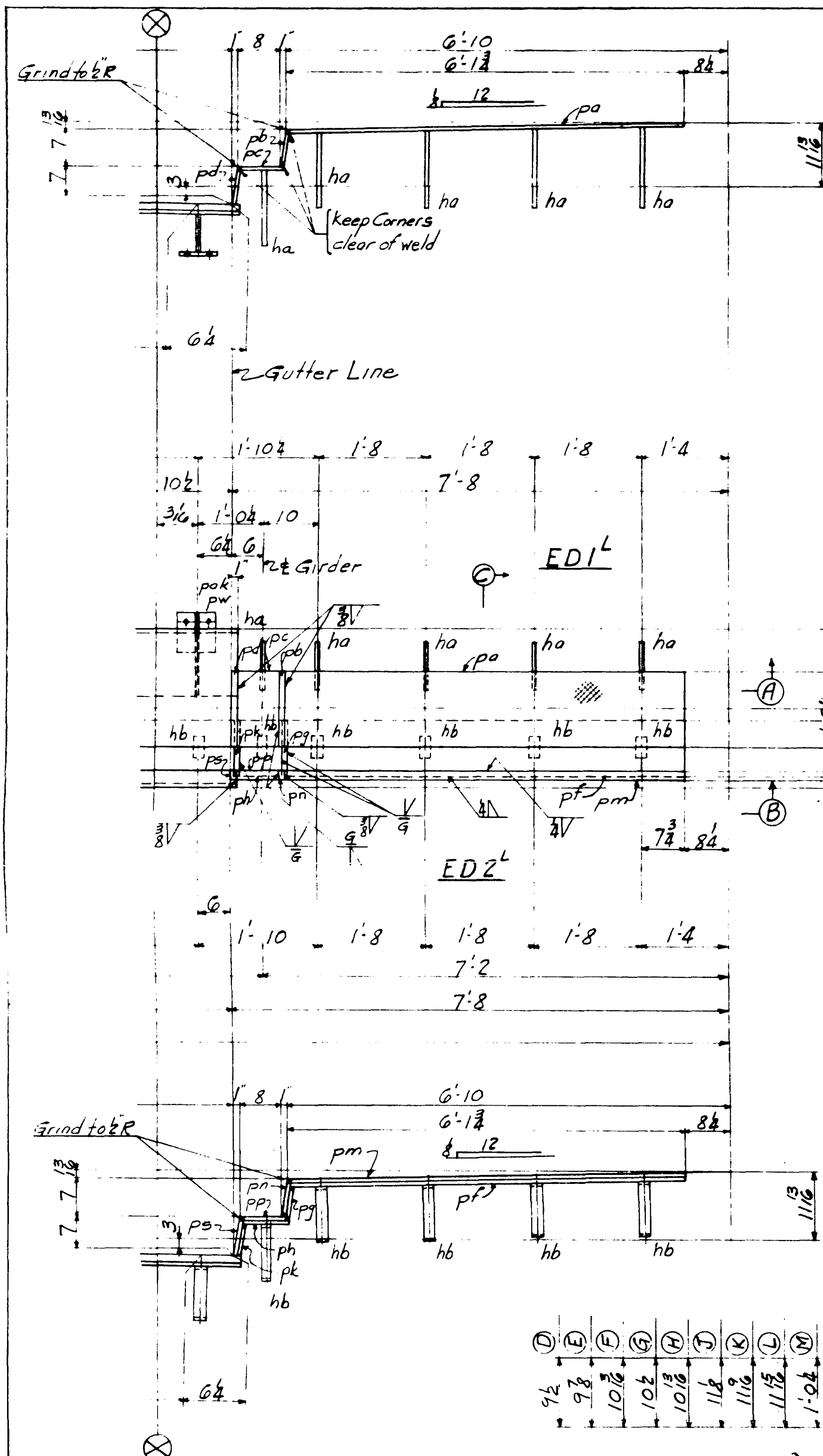


STIFFENER DIAGRAMS

G G1E G G4E

WELD

LINE	ITEM	MATERIAL		LENGTH	ASSEMBLY	REMARKS	ORDERED		CALCULATED WEIGHT
		SHAPE	SIZE				ITEM	QTY	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50									
51									
52									
53									
54									
55									
56									
57									
58									
59									
60									
61									
62									
63									
64									
65									
66									
67									



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	LENGTH	ASSEMBLY	REMARKS	ORDERED	CALCULATED WEIGHT
1	2	3	4	5	6	7	8
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							
63							
64							
65							
66							
67							

EXPANSION DAMS ED1^R ED2^R ED3 ED4

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

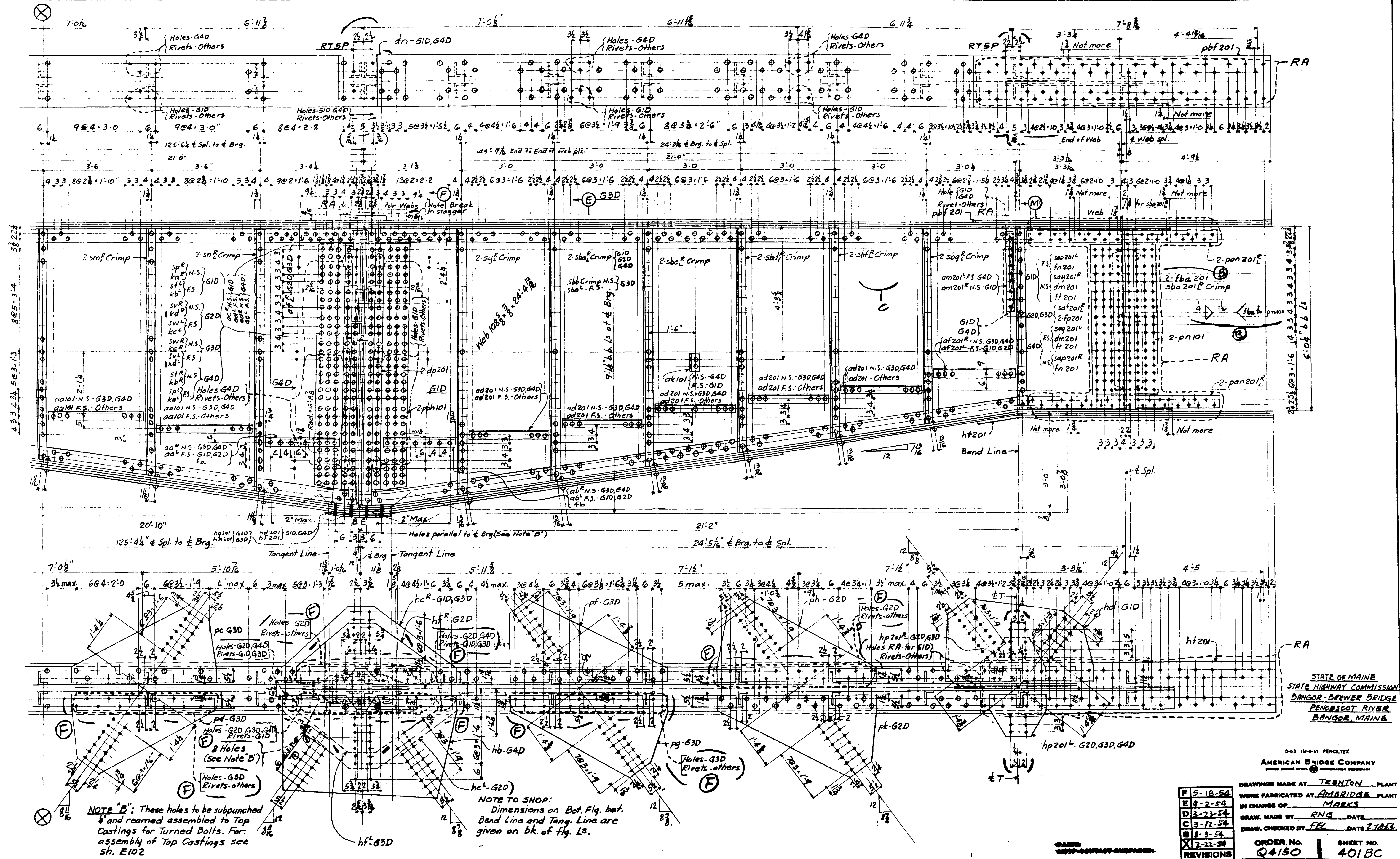
REVISIONS	ORDER NO.	SHEET NO.
1	Q4150	302B

PAINT: Yes
 SHOP CONTACT SURFACES: No

MA 303

62-101 Weld

REV.	DATE	BY	CHKD.	DESCRIPTION
1	10-1-54	ENG	ENG	AS BUILT
2	10-1-54	ENG	ENG	AS BUILT
3	10-1-54	ENG	ENG	AS BUILT
4	10-1-54	ENG	ENG	AS BUILT
5	10-1-54	ENG	ENG	AS BUILT
6	10-1-54	ENG	ENG	AS BUILT
7	10-1-54	ENG	ENG	AS BUILT
8	10-1-54	ENG	ENG	AS BUILT
9	10-1-54	ENG	ENG	AS BUILT
10	10-1-54	ENG	ENG	AS BUILT
11	10-1-54	ENG	ENG	AS BUILT
12	10-1-54	ENG	ENG	AS BUILT
13	10-1-54	ENG	ENG	AS BUILT
14	10-1-54	ENG	ENG	AS BUILT
15	10-1-54	ENG	ENG	AS BUILT
16	10-1-54	ENG	ENG	AS BUILT
17	10-1-54	ENG	ENG	AS BUILT
18	10-1-54	ENG	ENG	AS BUILT
19	10-1-54	ENG	ENG	AS BUILT
20	10-1-54	ENG	ENG	AS BUILT
21	10-1-54	ENG	ENG	AS BUILT
22	10-1-54	ENG	ENG	AS BUILT
23	10-1-54	ENG	ENG	AS BUILT
24	10-1-54	ENG	ENG	AS BUILT
25	10-1-54	ENG	ENG	AS BUILT
26	10-1-54	ENG	ENG	AS BUILT
27	10-1-54	ENG	ENG	AS BUILT
28	10-1-54	ENG	ENG	AS BUILT
29	10-1-54	ENG	ENG	AS BUILT
30	10-1-54	ENG	ENG	AS BUILT
31	10-1-54	ENG	ENG	AS BUILT
32	10-1-54	ENG	ENG	AS BUILT
33	10-1-54	ENG	ENG	AS BUILT
34	10-1-54	ENG	ENG	AS BUILT
35	10-1-54	ENG	ENG	AS BUILT
36	10-1-54	ENG	ENG	AS BUILT
37	10-1-54	ENG	ENG	AS BUILT
38	10-1-54	ENG	ENG	AS BUILT
39	10-1-54	ENG	ENG	AS BUILT
40	10-1-54	ENG	ENG	AS BUILT
41	10-1-54	ENG	ENG	AS BUILT
42	10-1-54	ENG	ENG	AS BUILT
43	10-1-54	ENG	ENG	AS BUILT
44	10-1-54	ENG	ENG	AS BUILT
45	10-1-54	ENG	ENG	AS BUILT
46	10-1-54	ENG	ENG	AS BUILT
47	10-1-54	ENG	ENG	AS BUILT
48	10-1-54	ENG	ENG	AS BUILT
49	10-1-54	ENG	ENG	AS BUILT
50	10-1-54	ENG	ENG	AS BUILT
51	10-1-54	ENG	ENG	AS BUILT
52	10-1-54	ENG	ENG	AS BUILT
53	10-1-54	ENG	ENG	AS BUILT
54	10-1-54	ENG	ENG	AS BUILT
55	10-1-54	ENG	ENG	AS BUILT
56	10-1-54	ENG	ENG	AS BUILT
57	10-1-54	ENG	ENG	AS BUILT
58	10-1-54	ENG	ENG	AS BUILT
59	10-1-54	ENG	ENG	AS BUILT
60	10-1-54	ENG	ENG	AS BUILT
61	10-1-54	ENG	ENG	AS BUILT
62	10-1-54	ENG	ENG	AS BUILT
63	10-1-54	ENG	ENG	AS BUILT
64	10-1-54	ENG	ENG	AS BUILT
65	10-1-54	ENG	ENG	AS BUILT
66	10-1-54	ENG	ENG	AS BUILT
67	10-1-54	ENG	ENG	AS BUILT
68	10-1-54	ENG	ENG	AS BUILT
69	10-1-54	ENG	ENG	AS BUILT
70	10-1-54	ENG	ENG	AS BUILT
71	10-1-54	ENG	ENG	AS BUILT
72	10-1-54	ENG	ENG	AS BUILT
73	10-1-54	ENG	ENG	AS BUILT
74	10-1-54	ENG	ENG	AS BUILT
75	10-1-54	ENG	ENG	AS BUILT
76	10-1-54	ENG	ENG	AS BUILT
77	10-1-54	ENG	ENG	AS BUILT
78	10-1-54	ENG	ENG	AS BUILT
79	10-1-54	ENG	ENG	AS BUILT
80	10-1-54	ENG	ENG	AS BUILT
81	10-1-54	ENG	ENG	AS BUILT
82	10-1-54	ENG	ENG	AS BUILT
83	10-1-54	ENG	ENG	AS BUILT
84	10-1-54	ENG	ENG	AS BUILT
85	10-1-54	ENG	ENG	AS BUILT
86	10-1-54	ENG	ENG	AS BUILT
87	10-1-54	ENG	ENG	AS BUILT
88	10-1-54	ENG	ENG	AS BUILT
89	10-1-54	ENG	ENG	AS BUILT
90	10-1-54	ENG	ENG	AS BUILT
91	10-1-54	ENG	ENG	AS BUILT
92	10-1-54	ENG	ENG	AS BUILT
93	10-1-54	ENG	ENG	AS BUILT
94	10-1-54	ENG	ENG	AS BUILT
95	10-1-54	ENG	ENG	AS BUILT
96	10-1-54	ENG	ENG	AS BUILT
97	10-1-54	ENG	ENG	AS BUILT
98	10-1-54	ENG	ENG	AS BUILT
99	10-1-54	ENG	ENG	AS BUILT
100	10-1-54	ENG	ENG	AS BUILT



62-193



(C) NOTE:

	RINGID-1266
1) Specifications: Maine State Highway	RINGID-1310
1945 and Special Provision.	MINN. RIV. 630-1310
2) Material: O.H. Steel A57.M. A7-527	RIV. 640-1268
3) Rivets: 8" ⁸ / ₁₆	WELD 630-2
4) Holes: ³ / ₁₆ " Unless Noted	Plat 630-2
5) Workmanship:	G20 25A
	G30 25A
	Plat 640 25A

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 $\frac{1}{4}$ " and reamed to size.

Holes marked RT to be subpunched $\frac{1}{4}$ " and reamed to size to a metal templet.

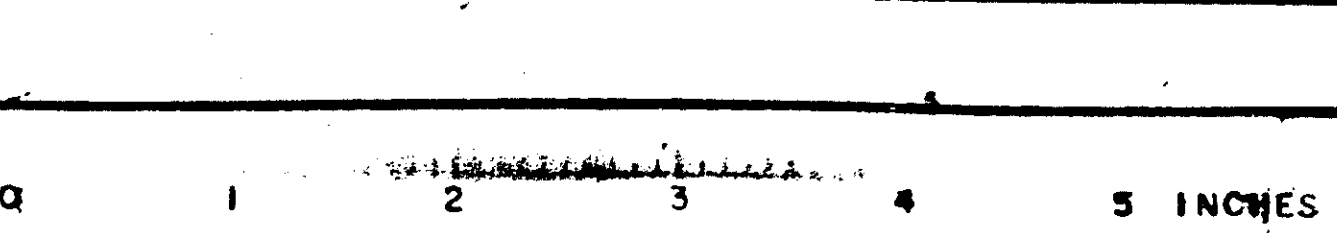
Holes marked RA to be subpunched or subdrilled $\frac{1}{4}$ " and reamed to size while connecting members are assembled to cambered position. (See Sheet E102). Connecting members to be matchmarked.

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

B.E. indicates bearing end of stiffeners.

PAINT: Yes, except as shown in Section 'X' SHOP CONTACT SURFACES: - No

STIFFENER DIAGRAMS



LIFTING WEIGHT = 35 TONS

Work with sheet 20.

Sheet Total = 246947

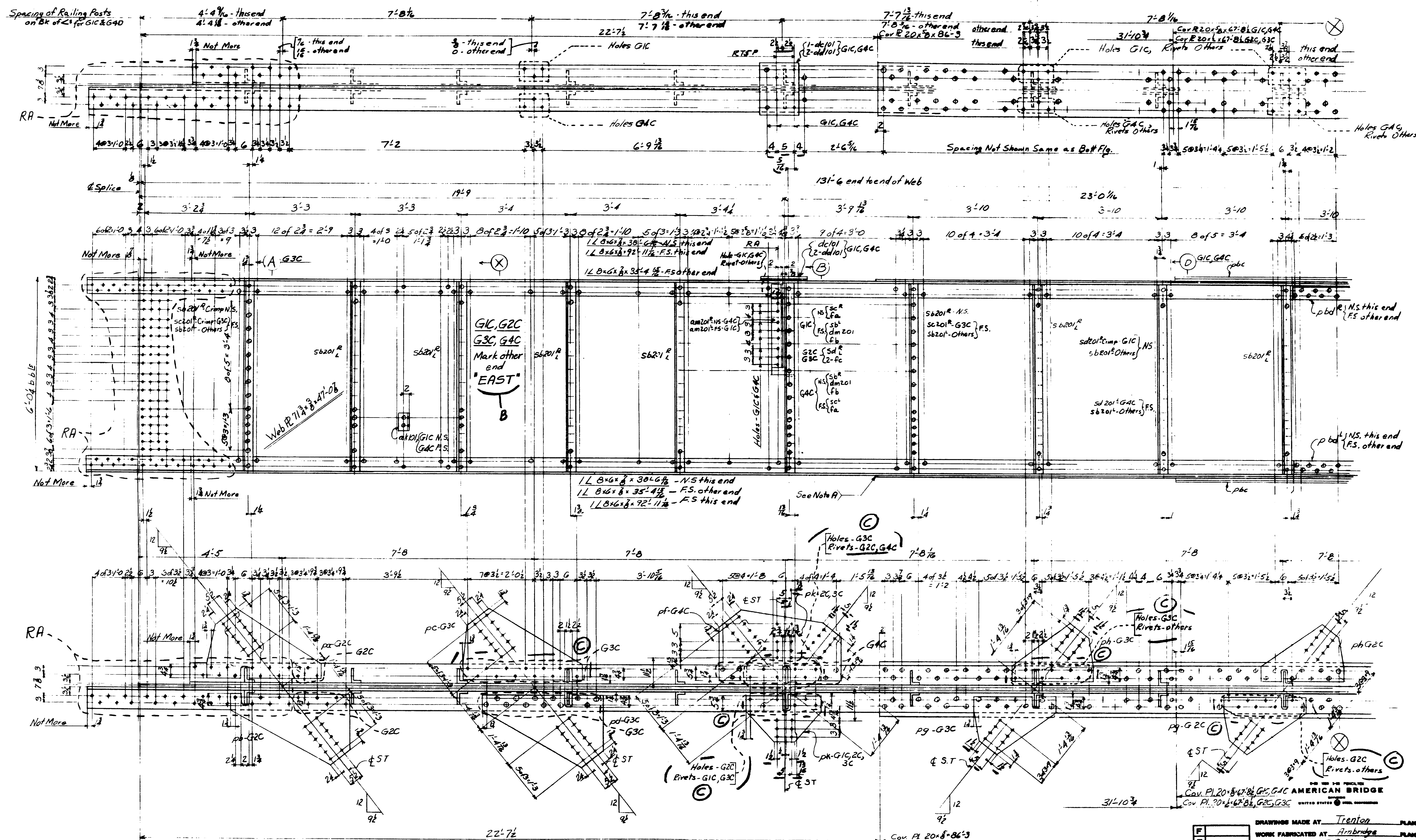
STATE OF MAINE
STATE HIGHWAY COMMISSION
BANGOR-BREWER BRIDGE
PENOBSCOT RIVER
BANGOR, MAINE

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

F
E
D
C
B
A
X

DRAWINGS MADE AT TRENTON PLANT
 WORK FABRICATED AT AMBRIDGE PLANT
 IN CHARGE OF E.B. MARKS
 DRAW. MADE BY R.N.G. DATE 11-29-57
 DRAW. CHECKED BY FEL DATE 2-18-58
 ORDER NO. _____
Q 1150
 SHEET NO. _____
101

ITEM	QTY	UNIT	DESCRIPTION
1	1	EA	COVER PLATE
2	1	EA	COVER PLATE
3	1	EA	COVER PLATE
4	1	EA	COVER PLATE
5	1	EA	COVER PLATE
6	1	EA	COVER PLATE
7	1	EA	COVER PLATE
8	1	EA	COVER PLATE
9	1	EA	COVER PLATE
10	1	EA	COVER PLATE
11	1	EA	COVER PLATE
12	1	EA	COVER PLATE
13	1	EA	COVER PLATE
14	1	EA	COVER PLATE
15	1	EA	COVER PLATE
16	1	EA	COVER PLATE
17	1	EA	COVER PLATE
18	1	EA	COVER PLATE
19	1	EA	COVER PLATE
20	1	EA	COVER PLATE
21	1	EA	COVER PLATE
22	1	EA	COVER PLATE
23	1	EA	COVER PLATE
24	1	EA	COVER PLATE
25	1	EA	COVER PLATE
26	1	EA	COVER PLATE
27	1	EA	COVER PLATE
28	1	EA	COVER PLATE
29	1	EA	COVER PLATE
30	1	EA	COVER PLATE
31	1	EA	COVER PLATE
32	1	EA	COVER PLATE
33	1	EA	COVER PLATE
34	1	EA	COVER PLATE
35	1	EA	COVER PLATE
36	1	EA	COVER PLATE
37	1	EA	COVER PLATE
38	1	EA	COVER PLATE
39	1	EA	COVER PLATE
40	1	EA	COVER PLATE
41	1	EA	COVER PLATE
42	1	EA	COVER PLATE
43	1	EA	COVER PLATE
44	1	EA	COVER PLATE
45	1	EA	COVER PLATE
46	1	EA	COVER PLATE
47	1	EA	COVER PLATE
48	1	EA	COVER PLATE
49	1	EA	COVER PLATE
50	1	EA	COVER PLATE
51	1	EA	COVER PLATE
52	1	EA	COVER PLATE
53	1	EA	COVER PLATE
54	1	EA	COVER PLATE
55	1	EA	COVER PLATE
56	1	EA	COVER PLATE
57	1	EA	COVER PLATE
58	1	EA	COVER PLATE
59	1	EA	COVER PLATE
60	1	EA	COVER PLATE
61	1	EA	COVER PLATE
62	1	EA	COVER PLATE
63	1	EA	COVER PLATE
64	1	EA	COVER PLATE
65	1	EA	COVER PLATE
66	1	EA	COVER PLATE
67	1	EA	COVER PLATE
68	1	EA	COVER PLATE
69	1	EA	COVER PLATE
70	1	EA	COVER PLATE
71	1	EA	COVER PLATE
72	1	EA	COVER PLATE
73	1	EA	COVER PLATE
74	1	EA	COVER PLATE
75	1	EA	COVER PLATE
76	1	EA	COVER PLATE
77	1	EA	COVER PLATE
78	1	EA	COVER PLATE
79	1	EA	COVER PLATE
80	1	EA	COVER PLATE
81	1	EA	COVER PLATE
82	1	EA	COVER PLATE
83	1	EA	COVER PLATE
84	1	EA	COVER PLATE
85	1	EA	COVER PLATE
86	1	EA	COVER PLATE
87	1	EA	COVER PLATE
88	1	EA	COVER PLATE
89	1	EA	COVER PLATE
90	1	EA	COVER PLATE
91	1	EA	COVER PLATE
92	1	EA	COVER PLATE
93	1	EA	COVER PLATE
94	1	EA	COVER PLATE
95	1	EA	COVER PLATE
96	1	EA	COVER PLATE
97	1	EA	COVER PLATE
98	1	EA	COVER PLATE
99	1	EA	COVER PLATE
100	1	EA	COVER PLATE



NOTE A:
Seal opening between Cover Plate
and Girder Web with weld metal.

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

REVISIONS	DATE	BY	CHKD
1	5-10-54	RNG	FEL
2	5-12-54		
3	12-22-54		

DRAWING MADE AT: Trenton PLANT
WORK FABRICATED AT: Ambridge PLANT
IN CHARGE OF: F.B. Marks
DRAWN BY: RNG DATE: 9-5-52
DRAWN CHECKED BY: FEL DATE: 2-13-52
ORDER NO. Q4150 SHEET NO. 501AC

Welding

UNITED STATES CLASS CONTROL

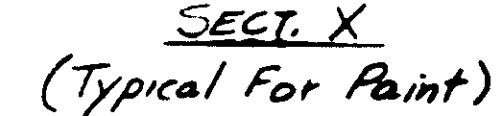
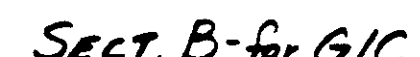
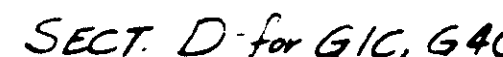
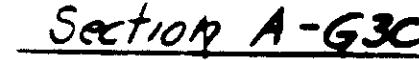
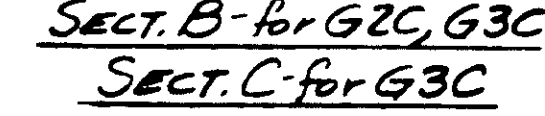
Sheet Total = 214,134.

DRAWINGS MADE AT Trenton PLANT

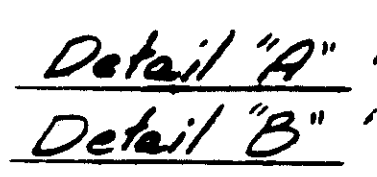
ORDER No. **Q4150** | SHEET No. **501C**

Welding

X	2-22-54
REVISIONS	



STIFFENER DIAGRAM.



LIFTING WT. = 29 TONS

SPECIFICATIONS - Maine State Highway Commission 1945 and Special Provisions

MATERIAL - C. H. Steel ASTM A7-52T

RIVETS - $\frac{3}{8}$ " HOLES - $\frac{15}{16}$ " 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 $\frac{1}{4}$ " and reamed to size.

Holes marked RT to be subpunched or subdrilled $\frac{1}{4}$ " and reamed to size to a metal template.

Holes marked RA to be subpunched or subdrilled $\frac{1}{4}$ " and reamed to size while connecting members are assembled to camber positions. (See Sheet 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 K1

SHOP CONTACT SURFACES - No

PAINT - Yes, Except as shown in Section X.
SHOP CONTACT SURFACES - No

SHOP CONTACT SURFACES - NC

SECRET - NOFORN EYES ONLY

11. 205

WT. = 67 tons

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 115–122

INDEX TO MARKS
AMERICAN BRIDGE COMPANY

GENERAL MARK										NAME OF MEMBER										SHEET LETTER									
B										BEAMS										F									
0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
1	105	105	106	105	106	106	107	107	108	1	102	104								1									
2	108	109	109	109	110					2										2									
3										3										3									
4										4										4									
5										5										5									
6										6										6									
7										7										7									
8										8										8									
9										9										9									

GENERAL MARK										NAME OF MEMBER										SHEET LETTER									
D										DIAPHRAGMS										FB									
0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
1	112	112	112	112	112	112	112	112	112	1	113	113	113	113	113				113	1	114	114	114	114					
2										2										2									
3										3										3									
4										4										4									
5										5										5									
6										6										6									
7										7										7									
8										8										8									
9										9										9									

GENERAL MARK										NAME OF MEMBER										SHEET LETTER									
ED										EXPANSION DAM										M									
0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
1	111	111	111	111	111	111				1	115	115	114	114	114	114	115	115	115	1	115	F101	F101	F101	F101	F101	116	116	116
2										2	116	116	116	116	116	116	116	116	2										
3										3									3										
4										4									4										
5										5									5										
6										6									6										
7										7									7										
8										8									8										
9										9	116								9										

GENERAL MARK										NAME OF MEMBER										SHEET LETTER									
M										PLATES										SUMMARY OF SHEETS									
0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	CONTENTS		SHEET LETTER		SHEET NUMBERS					
10										10																			
11										11																			
12										12																			
13										13																			
14										14																			
15										15																			
16										16																			
17										17																			
18										18																			
19										19																			

AMERICAN BRIDGE COMPANY
UNITED STATES STEEL CORPORATION

RIVETS										BOLTS									
0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
1										1									
2										2									
3										3									
4										4									
5										5									
6										6									
7										7									
8										8									
9										9									

PA3 24 1'-6 2 24
PA1 PA2 24 1'-3 2 24

2 Holes

PA1 42 42 24
PA2 52 52 24
PA3 62 62 24

PA4 3 2'-7 3
PA5 24 1'-6 2 24
PA6 24 1'-3 2 24

PA4 2 Holes
PA5 PA6 12 Holes

PA4 3 11 24
PA5 24 8 24
PA6 24 4 24

Advance Bill Page 10, 1

MATERIAL				ORDERED				MATERIAL				ORDERED			
NO. PCB	SHAPE	LENGTH	MARK	NO. PCB	SHAPE	LENGTH	MARK	NO. PCB	SHAPE	LENGTH	MARK	NO. PCB	SHAPE	LENGTH	MARK
25	24	9 4	1 8 PA1	18	24	9 4	1 8 PA1								
12	24	11 4	1 8 PA2	22	24	11 4	1 8 PA2								
8	24	13 4	1 11 PA3	29	24	13 4	1 11 PA3								
20	24	17 4	3 1 PA4	44	24	17 4	3 1 PA4								
12	24	13 4	1 11 PA5	29	24	13 4	1 11 PA5								
6	24	9 4	1 8 PA6	17	24	9 4	1 8 PA6								

LEAD PLATES

PAINT

CONTACT SURFACES

NAME OF STRUCTURE

BANGOR-BREWER BRIDGE OVER PENOBSCOT RIVER - STATE OF MAINE

DATE 11/17

ENGINEER TRENTON

ORDER No. Q4148

SHEET No. F1

AMERICAN BRIDGE COMPANY

SKETCH		MATERIAL		ORDERED		SHIPMENTS	
LINE NO.	NO. PCB	SHAPE	LENGTH	NO. PCB	LENGTH	ITEM	
1							
2							
3	8	X1	1 3	29	27		
4	76	X2	1 6	24	304		
5	170	X3	2 3	2508	2799		
6							
7							
8	84	W1	Wash 2 2 (16 Hole)	84			
9	170	W2	Wash 3 3 (16 Hole)	84			
10							
11	84		Wash 2 2 (16 Hole)				
12	170		Wash 3 3 (16 Hole)				
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							

W1 0 Holes
W2 X3

X1 3 1 Thd
X2 2 1 Thd
X3 4 1 Thd

W2 W1

PAINT No

CONTACT SURFACES

NAME OF STRUCTURE

BANGOR-BREWER BRIDGE OVER PENOBSCOT RIVER - STATE OF MAINE

DATE 11/17

ENGINEER TRENTON

ORDER No. Q4148

SHEET No. F1

FORM 8-52
SKETCH, SHOP AND SHIPPING BILL
AMERICAN BRIDGE COMPANY

UNITED STATES STEEL CORPORATION SUBSIDIARY

LINE NO.	NO. POS.	MARK	MATERIAL		LENGTH FT. IN.	WEIGHT PER 100 LBS.	NO. POS.	ORDERED		ITEM	SHIPMENTS
			SHAPE	LENGTH				LENGTH			
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											
45											
46											

Welding Electrodes
PAINT
CONTACT SURFACES

NAME OF STRUCTURE
Bangor-Brewer Bridge - Bangor, Me.

IN CHARGE OF
Div. 1, 2, 3, 4
SHEET No. C103

FORM 8-53
TURNED BOLTS
AMERICAN BRIDGE COMPANY

UNITED STATES STEEL CORPORATION SUBSIDIARY

SPECIFY UNDER DI
LDF - LIGHT DRIVE FIT
DF - DRIVE FIT
OF - ORDINARY FIT
(HOLE DIAMETER MINUS $\frac{1}{32}$)

3/16 IMPRESSER SLOT

GRIP

STANDARD WASHERS

PLATE LOCK DEVEL

TYPE X V P

DIMENSION A GRIP - 1/2" to 1/4"

FOR AMBRIDGE FABRICATION FOR ORDINARY FIT TURNED BOLTS REDUCE DIMENSION A 1/8"

NO	TYPE	SIZE	OF	DI	DI	A	B	L	GRIP	NO. OF NUTS	NO. OF WASHERS	NO. OF BOLTS	LOCATION	SHIPPING WEIGHT	SHIPMENTS
8	Hex	1 1/2"	DF	1 1/2"	3/4"	1 1/2"	3/4"	1 1/2"	3/4"	1	X	1-24	F1 to TPI1	110	
8	Hex	1 1/2"	DF	1 1/2"	3/4"	1 1/2"	3/4"	1 1/2"	3/4"	1	X	1-24	F1 to TPI1	110	
16	Hex	1 1/2"	DF	1 1/2"	3/4"	1 1/2"	3/4"	1 1/2"	3/4"	1	X	1-24	F2 to TPI2	330	
32 Washers 2 1/2" x 3 1/2" x 1/4"															

TURNED BOLTS

NAME OF STRUCTURE
Bangor-Brewer Bridge - Bangor, Me.

IN CHARGE OF
Div. 1
SHEET No. C102

FORM 8-53
FIELD RIVETS AND BOLTS
AMERICAN BRIDGE COMPANY

UNITED STATES STEEL CORPORATION SUBSIDIARY

LINE NO.	ACTUAL NUMBER REQ'D	NO. SHIPPED	DIAM.	RIVETS		BOLTS		GRIP	Dartlet Grip No.	SHIPMENTS
				LENGTH UNDER HEAD	HEAD	WASHER	TYPE OF BOLT			
1	12	20	3/4							
2	140	172	3/4							
3	612	714	3/4							
4	50	65	3/4							
5	35	50	3/4							
6	25	40	3/4							
7	9	14	3/4							
8	71	92	3/4							
9	70	114	3/4							
10	314	372	3/4							
11	15	22	3/4							
12	39	55	3/4							
13	3	6	3/4							
14	11	13	3/4							
15	54	70	3/4							
16	19	30	3/4							
17	4	7	3/4							
18	4	7	3/4							
19										
20	25	31	3/4							
21	2	4	3/4							
22	1	3	3/4							
23										
24	18	23	3/4							
25	91	100	3/4							
26	72	80	3/4							
27	8	12	3/4							
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
43										
44										
45										
46										

180 Washers 2 1/2" x 3 1/2" x 1/4"

360 Washers 2 1/2" x 3 1/2" x 1/4"

NAME OF STRUCTURE
Bangor-Brewer Bridge - Bangor, Me.

IN CHARGE OF
Div. 1
SHEET No. C101

0 1 2 3 4 5 INCHES

FORM D-73
FIELD RIVETS AND BOLTS
AMERICAN BRIDGE COMPANY
UNITED STATES STEEL CORPORATION SUBSIDIARY

LINE NO.	ACTUAL NUMBER REQ'D	NO. SHIPPED	DIAM.	RIVETS	BOLTS	GRIP	Dardeclet Grip No.	SHIPMENTS
				LENGTH UNDER HEAD	HEAD	WUT	WASH-ER	TYPE OF BOLT
1	90	114	7/8	2 1/2				
2	22	36	7/8	3 1/2				
3	76	98	7/8	4 1/2				
4	26	40	7/8	5 1/2				
5	4	7	7/8	5 1/2				
6	32	46	7/8	3 1/2				
7	80	102	7/8	4 1/2				
8	14	22	7/8	5				
9	40	56	7/8	3 1/2				
10	48	66	7/8	3 1/2				
11	20	30	7/8	4 1/2				
12	56	74	7/8	4				
13	368	434	7/8	2 1/2				
14	10	15	7/8	5 1/2				
15	24	38	7/8	4 1/2				
16	600	700	7/8	2 1/2				
17	32	46	7/8	4 1/2				
18	40	56	7/8	3 1/2				
19	60	80	7/8	3 1/2				
20	2	4	7/8	5 1/2				
21	112	138	7/8	2 1/2				
22	52	70	7/8	2 1/2				
23	38	54	7/8	3 1/2				
24	8	13	7/8	2 1/2				
25	20	25	3/4	2 1/2	Hex	Hex	Ordinary	1 1/2
26	20	25	3/4	2 1/2	Hex	Hex	Ordinary	1 1/2
27	64	72	7/8	2 1/2	Button	Hex	Dardeclet Rivet Bolt	1 1/2 #6 E.L. 50124
28	192	202	7/8	2 1/2	Button	Hex	Dardeclet Rivet Bolt	1 1/2 #7 E.L. 50124
29	20	25	7/8	3 1/2	Button	Hex	Dardeclet Rivet Bolt	1 1/2 #9 E.L. 50124
30	4	6	7/8	3 1/2	Button	Hex	Dardeclet Rivet Bolt	2 1/2 #10
31	4	6	7/8	3 1/2	Button	Hex	Dardeclet Rivet Bolt	2 1/2 #11
32	4	6	7/8	3 1/2	Button	Hex	Dardeclet Rivet Bolt	2 1/2 #12
33	317	Washers	2 1/2" x 4" thick - 1/2" hole					
34	634	Washers	2 1/2" x 8" thick - 1/2" hole					

FORM D-73
FIELD RIVETS AND BOLTS
AMERICAN BRIDGE COMPANY
UNITED STATES STEEL CORPORATION SUBSIDIARY

LINE NO.	ACTUAL NUMBER REQ'D	NO. SHIPPED	DIAM.	RIVETS	BOLTS	GRIP	Dardeclet Grip No.	SHIPMENTS
				LENGTH UNDER HEAD	HEAD	WUT	WASH-ER	TYPE OF BOLT
1	87	110	7/8	2 1/2				
2	80	102	7/8	4 1/2				
3	144	176	7/8	5 1/2				
4	148	180	7/8	7				
5	54	70	7/8	6 1/2				
6	120	125	7/8	3 1/2				
7	132	162	7/8	4 1/2				
8	216	248	7/8	2 1/2				
9	112	138	7/8	2 1/2				
10	56	70	7/8	4 1/2				
11	8	13	7/8	6 1/2				
12	7	13	7/8	5 1/2				
13	504	590	7/8	2 1/2				
14	6	10	7/8	7 1/2				
15	118	145	7/8	2 1/2				
16	6	10	7/8	3 1/2				
17	32	46	7/8	2 1/2				
18	14	22	7/8	4				
19	14	22	7/8	4 1/2				
20	16	21	3/4	2 1/2	Hex	Hex	Ordinary	1 1/2
21	20	25	3/4	2 1/2	Hex	Hex	Ordinary	1 1/2
22	128	138	7/8	2 1/2	Button	Hex	Dardeclet Rivet Bolt	1 1/2 #7 E.L. 50124
23	16	21	7/8	3 1/2	Button	Hex	Dardeclet Rivet Bolt	2 #9 E.L. 50124
24	159	Washers	2 1/2" x 4" thick - 1/2" hole					
25	318	Washers	2 1/2" x 8" thick - 1/2" hole					

FORM D-73
FIELD RIVETS AND BOLTS
AMERICAN BRIDGE COMPANY
UNITED STATES STEEL CORPORATION SUBSIDIARY

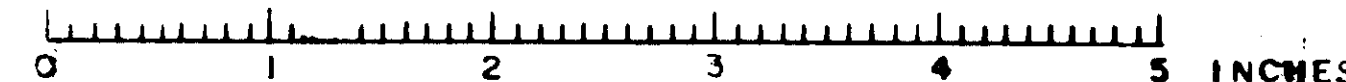
LINE NO.	ACTUAL NUMBER REQ'D	NO. SHIPPED	DIAM.	RIVETS	BOLTS	GRIP	Dardeclet Grip No.	SHIPMENTS
				LENGTH UNDER HEAD	HEAD	WUT	WASH-ER	TYPE OF BOLT
1	96	120	7/8	2 1/2				
2	80	102	7/8	5 1/2				
3	40	55	7/8	5 1/2				
4	88	112	7/8	6 1/2				
5	52	70	7/8	4 1/2				
6	48	62	7/8	4 1/2				
7	32	46	7/8	6 1/2				
8	24	38	7/8	6				
9	80	102	7/8	3 1/2				
10	116	144	7/8	4 1/2				
11	20	30	7/8	3 1/2				
12	48	63	7/8	4				
13	452	530	7/8	2 1/2				
14	242	288	7/8	2 1/2				
15	146	178	7/8	2 1/2				
16	56	74	7/8	2 1/2				
17	126	154	7/8	2 1/2				
18	10	15	7/8	3 1/2				
19	8	13	7/8	7				
20	32	46	7/8	6 1/2				
21	22	36	7/8	2 1/2				
22	6	10	7/8	4 1/2				
23	6	10	7/8	3 1/2				
24	8	13	7/8	4 1/2				
25	28	34	3/4	2 1/2	Hex	Hex	Ordinary	1 1/2
26	8	11	3/4	2 1/2	Hex	Hex	Ordinary	1 1/2
27	148	160	7/8	2 1/2	Button	Hex	Dardeclet Rivet Bolt	1 1/2 #7 E.L. 50124
28	8	12	7/8	3 1/2	Button	Hex	Dardeclet Rivet Bolt	2 #9 E.L. 50124
29	8	12	7/8	3 1/2	Button	Hex	Dardeclet Rivet Bolt	2 #11 E.L. 50124
30	184	Washers	2 1/2" x 4" thick - 1/2" hole					
31	368	Washers	2 1/2" x 8" thick - 1/2" hole					

UNITED STATES STEEL COMPANY

Bangor-Brewer Bridge - Bangor, Me



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



ERECTORS LIST FIELD RIVETS AND BOLTS AMERICAN BRIDGE

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS	GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
1	24	3/8	2 1/2			5/8	B26 to M9, 92, 93, 94, 95
2	40	3/8	5 1/2			3 1/2	B26 to B31
3	40	3/8	5 1/2			3 1/2	B27, B28 to B32, B33 (Top)
4	8	3/8	6 3/4			4 1/2	B26 to B31 (Top)
5	16	3/8	6 3/4			4 1/2	B27, B28 to B32, B33 (Top)
6	16	3/8	4 1/2			2 1/2	B26 to B31
7	8	3/8	6 3/4			4 1/2	B27, B28 to B32, B33
8	32	3/8	6 3/4			4 1/2	B26 to B31 (Bottom)
9	24	3/8	6 3/4			4 1/2	B27, B28 to B32, B33 (Bottom)
10	24	3/8	6 3/4			4 1/2	B27, B28 to B32, B33 (Bottom)
11	20	3/8	6 3/4			4 1/2	B27, B28 to B32, B33 (Bottom)
12	40	3/8	6 3/4			4 1/2	B26 to B31 (web)
13	10	3/8	4 1/2			2 1/2	B27, B28 to B32, B33 (web)
14	10	3/8	4 1/2			2 1/2	B26 to B31 (web)
15	20	3/8	4 1/2			2 1/2	do
16	20	3/8	4 1/2			2 1/2	B27, B28 to B32, B33 (web)
17	36	3/8	4 1/2			2 1/2	do
18	40	3/8	4 1/2			2 1/2	B26 to D26, M30
19	36	3/8	4 1/2			2 1/2	B27, B28 to D29, D25, D26
20	36	3/8	4 1/2			2 1/2	B26 to D19, M44
21	72	3/8	4 1/2			2 1/2	B26 to D13, D17, M29, M43
22	36	3/8	4 1/2			2 1/2	B26 to D49, M28
23	40	3/8	4 1/2			2 1/2	B27, B28 to D18, D19, 219A
24	40	3/8	4 1/2			2 1/2	B27, B28 to D8, D69
25	12	3/8	2 1/2			5/8	B27, B28 to D12, 3, 17, 22, 23
26	14	3/8	2 1/2			5/8	B30 to M103, 104, 105, 106
27	36	3/8	2 1/2			5/8	B30 to M36
28	18	3/8	2 1/2			5/8	B30 to D20, M34
29	18	3/8	2 1/2			5/8	B30 to M35
30	24	3/8	2 1/2			5/8	B30 to D21
31	8	3/8	6 3/4			4 1/2	B31 to M92, M96-M102
32	10	3/8	4 1/2			2 1/2	B31 to M31
33	8	3/8	6 3/4			4 1/2	B31
34	36	3/8	4 1/2			2 1/2	B31 to D32
35	36	3/8	4 1/2			2 1/2	B31 to D29, M45
36	36	3/8	4 1/2			2 1/2	B31 to D32, M31
37	36	3/8	4 1/2			2 1/2	B31 to D35, M32
38	10	3/8	4 1/2			2 1/2	B31 to D32, M33
39	40	3/8	4 1/2			2 1/2	B29 to M107-110
40	16	3/8	4 1/2			2 1/2	B29 to B34
41	8	3/8	6 3/4			4 1/2	do
42	8	3/8	6 3/4			4 1/2	do (Top)
43	10	3/8	4 1/2			2 1/2	do (Bottom)
44	10	3/8	4 1/2			2 1/2	do (web)
45	10	3/8	4 1/2			2 1/2	do (web)
46	10	3/8	4 1/2			2 1/2	do (web)
47	10	3/8	4 1/2			2 1/2	B29 to D24, M34

FIELD RIVETS AND BOLTS

NAME DATE

PRY 2/20/54

IN CHARGE OF MARKS ORDER No.

TF Q4149

Div. 2 SHEET No.

EF201

Bangor-Brewer Bridge - Bangor, Me.

ERECTORS LIST FIELD RIVETS AND BOLTS AMERICAN BRIDGE

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS	GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
1	11	3/8		#6	Hex	1 1/2	F1 to B16
2	18	3/8		#5	Hex	1 1/2	F1 to M3
3	72	3/8		#7	Hex	1 1/2	ED4 to Diaphragms
4	4	3/8		#9	Hex	2	ED4 to D6
5	4	3/8		#9	Hex	2	ED4 to D9
6	80	3/8		#6	Hex	1 1/2	ED3 to D4A
7							
8							
9	160	Washers 2 1/2					For use under nuts of Double Rivets
10	320	Washers 2 1/2					do required to build up required grip as noted on lines 3, 4, 5, 6.
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							

FIELD RIVETS AND BOLTS

NAME DATE

PRY 2/20/54

IN CHARGE OF MARKS ORDER No.

TF Q4149

Div. 1 SHEET No.

EF103

Bangor-Brewer Bridge - Bangor, Me.

ERECTORS LIST FIELD RIVETS AND BOLTS AMERICAN BRIDGE

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS	GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
1	12	3/8	2 1/2			5/8	B9 to M19, M18
2	4	3/8	3 1/4			1 1/2	B9 to M9
3	36	3/8	2 1/2			3 1/2	B9 to M9, D13
4	48	3/8	2 1/2			3 1/2	B14, B15, B16 to D1, D2, D3, D15
5	6	3/8	2 1/2			3 1/2	B13 to B19
6	16	3/8	2 1/2			3 1/2	B12 to D11
7	10	3/8	2 1/2			3 1/2	B14 to B16
8	6	3/8	2 1/2			3 1/2	B15 to B16
9	7	3/8	2 1/2			3 1/2	B16 to M2
10	7	3/8	2 1/2			3 1/2	B16 to M3
11	6	3/8	3 1/4			3 1/2	B17 to B19
12	16	3/8	2 1/2			3 1/2	B17 to D14, D15
13	6	3/8	2 1/2			3 1/2	B19
14	6	3/8	2 1/2			3 1/2	B19 to B18
15	12	3/8	2 1/2			3 1/2	B18 to M22, 23, 24, 25
16	4	3/8	4			2 1/2	B18 to M4
17	36	3/8	2 1/2			3 1/2	B18 to M4, D14
18	4	3/8	2 1/2			3 1/2	B20 to M5
19	6	3/8	2 1/2			3 1/2	B20 to M26, M27
20	12	3/8	2 1/2			3 1/2	B21 to M18, M20
21	8	3/8	3 1/4			3 1/2	B21 to M7, M8
22	36	3/8	2 1/2			3 1/2	B21 to M7, D9
23	36	3/8	2 1/2			3 1/2	B21 to M8, D17
24	40	3/8	2 1/2			3 1/2	B22, B23 to D14, 12, 17
25	8	3/8	2 1/2			3 1/2	B23 to D16
26	60	3/8	2 1/2			3 1/2	B22, B23 to D6A, 7B, 9
27	6	3/8	2 1/2			3 1/2	B24 to M99, M90
28	4	3/8	3 1/4			3 1/2	B24 to M6
29	4	3/8	4 1/2			2 1/2	B24 to M5
30	36	3/8	2 1/2			3 1/2	B24 to M6, D6A
31	20	3/8	3 1/4			3 1/2	B24 to M5, D16
32	12	3/8	2 1/2			3 1/2	FBI, F32 to D1, D2
33	12	3/8	2 1/2			3 1/2	FBI, F32 to D3, D3A
34	2	3/8	2 1/2			3 1/2	D6 to M1
35	2	3/8	2 1/2			3 1/2	D6A to M6
36	4	3/8	2 1/2			3 1/2	D7 to M7, M11
37	8	3/8	2 1/2			3 1/2	D10 to M2
38	18	3/8	2 1/2			3 1/2	D13, D17 to M8, M9
39	12	3/8	3 1/4			3 1/2	D16 to M5
40	6	3/8	2 1/2			3 1/2	D16 to M4
41	7	3/8	3 1/4			3 1/2	FBI, F32 to M1, M11, M2, M9
42	3	3/8	3 1/4			3 1/2	FBI, F32 to M7, M8
43	6	3/8	3 1/4			3 1/2	FBI, F32 to M9
44	1	3/8	3 1/4			3 1/2	FBI, F32 to M3
45	2	3/8	3 1/4			3 1/2	FBI, F32 to M3, M4
46	3	3/8	3 1/4			3 1/2	M5 to FBI, F32, F33

FIELD RIVETS AND BOLTS

NAME DATE

PRY 2/20/54

IN CHARGE OF MARKS ORDER No.

TF Q4149

Div. 1 SHEET No.

EF102

Bangor-Brewer Bridge - Bangor, Me.

ERECTORS LIST FIELD RIVETS AND BOLTS AMERICAN BRIDGE

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS	GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
1	24	2	28			50 8/16	B35 to M119-M126
2	32	2	48			2 1/2 10 1/16	B35, B38 to B39, B42
3	80	2	534			3 3/8 10 1/16	B35, B38 to B39, B42
4	8	2	7			4 3/8 8 1/8 1/16	B35, B38 to B39, B42 (top)
5	8	2	7			4 3/8 8 1/8 1/16	B35, B38 to B39, B42 (top)
6	16	2	634			4 3/8 8 1/8 1/16	B35, B38 to B39, B42 (web)
7	40	2	34			1 3/8 2 1/2 1/16	B35, B38 to B39, B42 (web)
8	40	2	42			2 3/8 2 1/2 1/16	B35 to M63, D42 B38 to M54, D73
9	72	2	28			1 3/8 2 1/2 1/16	B35 to M63, D47 B38 to M54, D45
10	72	2	28			2 3/8 2 1/2 1/16	B35, B38
11	20	2	48			4 3/8 8 1/8 1/16	B35 to M62 B38 to M53
12	4	2	64			4 3/8 8 1/8 1/16	B35 to M62 B38 to M53
13	4	2	64			3 3/8 2 1/2 1/16	B35 to D65 B38 to D64
14	8	2	52			1 3/8 2 1/2 1/16	B35 to M62, D65 B38 to M53, D64
15	72	2	28			3 3/8 2 1/2 1/16	B35 to M60, M61, D41, D78
16	72	2	28			5 3/8 8 1/8 1/16	B38 to M133-M140
17	24	2	28			3 3/8 2 1/2 1/16	B38 to M51, M52, D32, D77
18	72	2	28			2 3/8 2 1/2 1/16	B38 to B40, B41
19	32	2	48			3 3/8 2 1/2 1/16	do
20	64	2	534			4 3/8 8 1/8 1/16	B36, B37 to M175
21	2	2	634			4 3/8 8 1/8 1/16	do
22	6	2	7			4 3/8 8 1/8 1/16	do
23	6	2	7			4 3/8 8 1/8 1/16	do
24	2	2	74			4 3/8 8 1/8 1/16	B36, B37 to D42, 71, 73
25	32	2	634			1 3/8 2 1/2 1/16	B36, B37 to B40, B41 (web)
26	60	2	34			2 3/8 2 1/2 1/16	do
27	20	2	42			3 3/8 2 1/2 1/16	B36, B37 to D42, 71, 73, 64, 65, 70
28	80	2	24			4 3/8 8 1/8 1/16	B36, B37 to M177
29	2	2	634			4 3/8 8 1/8 1/16	do
30	6	2	7			4 3/8 8 1/8 1/16	do
31	6	2	7			4 3/8 8 1/8 1/16	do
32	2	2	74			4 3/8 8 1/8 1/16	B36, B37 to D42, 64, 65, 70
33	32	2	7			1 3/8 2 1/2 1/16	B36, B37 to D45, 46, 47
34	40	2	28			3 3/8 2 1/2 1/16	B36, B37 to D33, 40, 41, 42, 73, 78
35	64	2	24			5 3/8 8 1/8 1/16	B39 to M127-M132
36	18	2	28			4 3/8 8 1/8 1/16	B39 to M66
37	4	2	7			4 3/8 8 1/8 1/16	do
38	4	2	7			4 3/8 8 1/8 1/16	B39 to D44
39	8	2	7			2 3/8 2 1/2 1/16	B39
40	10	2	48			1 3/8 2 1/2 1/16	B39 to M64, D44
41	36	2	28			1 3/8 2 1/2 1/16	B39 to M67, D50
42	36	2	24			3 3/8 2 1/2 1/16	B39 to M65, M68, D22, D38
43	72	2	24			5 3/8 8 1/8 1/16	B42 to M141-M147
44	21	2	28			4 3/8 8 1/8 1/16	B42 to M57
45	4	2	7			4 3/8 8 1/8 1/16	do
46	4	2	7				

ERECTORS LIST FIELD RIVETS AND BOLTS AMERICAN BRIDGE

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS	GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
1	148	2		#7 Bolt Hex		1 3/8 2 1/2 1/16	ED9, ED10 to D48, D7, D57, D20, D49
2	4	2		#9		2 3/8 2 1/2 1/16	ED9 to D6A
3	4	2		#9		2 3/8 2 1/2 1/16	ED9 to D9
4	8	2		#11		2 3/8 2 1/2 1/16	ED9 to D20, D49
5							
6							
7	164 Washers	2 3/8					For use under nut of Dandelot Rivet
8	328 Washers	2 3/8					Bolts as required to build up required grip as noted on lines 1, 2, 3, & 4.
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							

ERECTORS LIST FIELD RIVETS AND BOLTS AMERICAN BRIDGE

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS	GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
1	20	2				2 3/8 2 1/2 1/16	B29 to M119, D50
2	10	2				1 3/8 2 1/2 1/16	B29 to D21
3	10	2				3 3/8 2 1/2 1/16	B29 to D22
4	10	2				1 3/8 2 1/2 1/16	B29
5	10	2				1 3/8 2 1/2 1/16	B29 to M36
6	36	2				1 3/8 2 1/2 1/16	B29 to D23
7	24	2				1 3/8 2 1/2 1/16	B29 to M37, D9A
8	8	2				1 3/8 2 1/2 1/16	B29 to M111-118
9	8	2				4 3/8 8 1/8 1/16	B34 to M40
10	10	2				2 3/8 2 1/2 1/16	B34 to D30
11	36	2				1 3/8 2 1/2 1/16	B34
12	36	2				1 3/8 2 1/2 1/16	B34 to M40, D30
13	36	2				1 3/8 2 1/2 1/16	B34 to D27, M39
14	36	2				1 3/8 2 1/2 1/16	B34 to D33, M41
15	8	2				3 3/8 2 1/2 1/16	B34 to D36, M42
16	8	2				4 3/8 8 1/8 1/16	B32, B33 to M176
17	8	2				4 3/8 8 1/8 1/16	do
18	32	2				4 3/8 8 1/8 1/16	B32, B33 to D34, D32
19	40	2				3 3/8 2 1/2 1/16	do
20	32	2				3 3/8 2 1/2 1/16	B37, B33 to D27, D29
21	32	2				4 3/8 8 1/8 1/16	B37, B33 to D36, D38
22	40	2				1 3/8 2 1/2 1/16	B32, B33 to D37, D35
23	6	2				1 3/8 2 1/2 1/16	M35 to D21
24	24	2				1 3/8 2 1/2 1/16	M29, B33, 45 to D13, 17, 27, 29
25	12	2				2 3/8 2 1/2 1/16	M37, M44 to D19, D19A
26	6	2				2 3/8 2 1/2 1/16	M32 to D35
27	6	2				2 3/8 2 1/2 1/16	M41 to D33
28	10	2				1 3/8 2 1/2 1/16	M29, 35, 39, 45 to FB14, 15, 16, 17, 22, 23
29	4	2				1 3/8 2 1/2 1/16	M32, M41 to FB30, 21, 28, 29
30	4	2				1 3/8 2 1/2 1/16	M37, M44 to FB14, 17, 24, 25
31	12	2				1 3/8 2 1/2 1/16	M36 to D23
32	4	2				1 3/8 2 1/2 1/16	M28, M24 to D49, D20
33	4	2				1 3/8 2 1/2 1/16	M33, M42 to D36, D38
34	8	2				1 3/8 2 1/2 1/16	M28, 33, 34, 42 to FB14, 21, 23, 29
35	2	2				1 3/8 2 1/2 1/16	M36 to FB23, 24
36	16	2				2 3/8 2 1/2 1/16	M30, M38 to D49, D26
37	8	2				2 3/8 2 1/2 1/16	M31 to D32
38	8	2				2 3/8 2 1/2 1/16	M40 to D30
39	4	2				1 3/8 2 1/2 1/16	M20, M32 to FB17, 18, 25, 26
40	4	2				2 3/8 2 1/2 1/16	M31, M40 to FB19, 20, 27, 28
41	24	2				2 3/8 2 1/2 1/16	D24, D25, D26 to M175
42	24	2				2 3/8 2 1/2 1/16	D30, D31, D32 to M176
43							
44							
45							
46							

ERECTORS LIST
FIELD RIVETS AND BOLTS
AMERICAN BRIDGE

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS	GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
1	21	3/8	28			5/8	B43 to M48-M154
2	16	3/8	38			1 1/8	B43 to B47 (top) B46 to B50 (top)
3	40	3/8	40			2 1/2	do do
4	4	3/8	52			3 1/2	B43 to M84 B46 to M74
5	4	3/8	52			3 1/2	do do
6	16	3/8	34			1 1/2	B43 to B47 (bottom) B46 to B50 (bottom)
7	40	3/8	40			2 1/2	do do
8	8	3/8	5			3 1/2	B43 to D83 B46 to D82
9	40	3/8	34			1 1/2	B43 to B47 (web) B46 to B50 (web)
10	40	3/8	34			1 1/2	do do
11	20	3/8	4			2 1/2	do do
12	20	3/8	4			2 1/2	do do
13	72	3/8	28			1 1/2	B43 to M84, D83 B46 to M74, D82
14	20	3/8	4			2 1/2	B43 B46
15	72	3/8	28			1 1/2	B43 to M81, D88 B46 to M71, D86
16	4	3/8	54			3 1/2	B43 to M81 B46 to M71
17	4	3/8	54			3 1/2	do do
18	8	3/8	48			2 1/2	B43 to D68 B46 to D66
19	72	3/8	28			1 1/2	B43 to M82, D83 B46 to M72, D82
20	108	3/8	24			3 1/2	B43 to M78, D83, D80, 76, 61
21	21	3/8	28			5/8	B46 to M143-M169
22	108	3/8	24			3 1/2	B46 to M169, 70, 73, D52, 75, 59
23	16	3/8	38			1 1/2	B44, B45 to B48, B49 (top)
24	40	3/8	40			2 1/2	do
25	2	3/8	54			3 1/2	B44, B45 to M179 (end of 1)
26	4	3/8	52			3 1/2	do
27	2	3/8	52			3 1/2	do
28	16	3/8	4			2 1/2	B44, B45 to B48, B49 (bottom)
29	32	3/8	48			2 1/2	do
30	16	3/8	52			3 1/2	B44, B45 to D67, D83
31	40	3/8	38			1 1/2	B44, B45 to D67, D83
32	60	3/8	32			1 1/2	B44, B45 to B48, B49 (web)
33	20	3/8	44			2 1/2	do
34	40	3/8	24			3 1/2	B44, B45 to D67, D83
35	40	3/8	24			3 1/2	B44, B45 to D66, D68
36	2	3/8	5			3 1/2	B44, B45 to M179 (chase)
37	4	3/8	5			3 1/2	do
38	2	3/8	52			3 1/2	do
39	16	3/8	48			2 1/2	B44, B45 to D66, D68
40	40	3/8	28			1 1/2	B44, B45 to D63, D81
41	96	3/8	24			3 1/2	B44, B45 to D52, 79, 74, 75, 76, 57, 69, 61
42	40	3/8	28			1 1/2	B44, B49 to D53, 55, 55
43	40	3/8	28			1 1/2	B44, B49 to D54, 57, 58
44	64	3/8	24			3 1/2	B44, B49 to D76, 75, 76, 59, 69, 61
45	24	3/8	28			5/8	B47 to M155, 154, 157, 161
46	24	3/8	28			5/8	B50 to M176, 177, 178, 158, 174

ERECTORS LIST
FIELD RIVETS AND BOLTS
AMERICAN BRIDGE

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS	GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
1	128	3/8		#7 Bolt Hex	1 1/4	1/2	ED15, ED16 to Diaphragms
2	8	3/8		#9 Bolt Hex	2	1/2	ED16 to D39, D41
3	8	3/8		#9 Bolt Hex	2	1/2	ED15 to D36, D38
4	144	Washers 2 1/2"		4" x 1/2" x 1/2" Plate			For use under nut of Danglelet Rivet
5	288	Washers 2 1/2"		4" x 1/2" x 1/2" Plate			Bolts required to build up required grip as noted on lines 1, 2 & 3

ERECTORS LIST
FIELD RIVETS AND BOLTS
AMERICAN BRIDGE

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS	GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
1	8	3/8	7			3/4	B42 to D43
2	10	3/8	48			2 1/4	B42
3	36	3/8	28			1 1/2	B42 to M57, D43
4	36	3/8	28			1 1/2	B42 to M58, D48
5	72	3/8	24			3/4	B42 to M56, M58, D47, D51
6	2	3/8	64			4 1/2	B49, B41 to M178
7	6	3/8	7			4 1/2	do
8	6	3/8	7			4 1/2	do
9	2	3/8	74			4 1/2	B49, B41 to D43, 44, 72
10	32	3/8	7			3 1/2	B49, B41 to D43, D47, 72
11	40	3/8	24			1 1/2	B49, B41 to D48, 49, 50
12	40	3/8	24			3 1/2	B49, B41 to D27, 28, 29, 32, 36, 51
13	32	3/8	24			1 1/2	M58 to D48
14	6	3/8	24			1 1/2	M67 to D50
15	6	3/8	38			1	M52, 56, 61, 65 to D27, 29, 77, 78
16	24	3/8	22			1	M51, 57, 60, 68 to D38, 39, 41, 51
17	8	3/8	22			2 1/4	M54 to D45
18	6	3/8	4			2 1/4	M63 to D47
19	6	3/8	48			1 1/2	M53, 58, M63, M76 to FB40, 41, 44, 45, 32, 36, 37
20	8	3/4		2 1/2 Hex Hex	Ordinary	1 1/2	M51, 52, 56, 57, 60, 61, 65, 68 to Fascias
21	16	3/4		2 1/2 Hex Hex	Ordinary	2 1/4	M53 to D64
22	8	3/8	4			2 1/4	M62 to D65
23	8	3/8	44			2 1/4	M55, M57 to D43, D73
24	16	3/8	48			2 1/4	M64, M66 to D42, D44
25	16	3/8	48			2 1/4	M53, 55, 57, 63, 69, 66 to Fascias
26	12	3/4		2 1/2 Hex Hex	Ordinary	2 1/4	D43, 44, 49, 65, 70, 71, 72, 73 to M175, 177, 178
27	72	3/8	4 1/2			2 1/4	

0 1 2 3 4 5 INCHES

INDEX TO MARKS
AMERICAN BRIDGE COMPANY

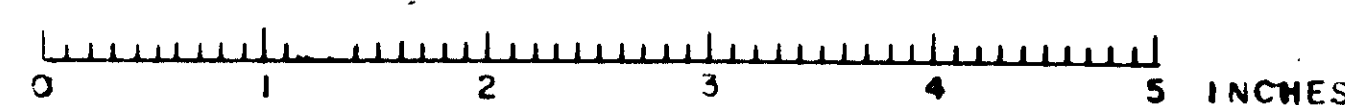
GENERAL MARK	NAME OF MEMBER	SHEET LETTER
G	GIRDERS	
A	101 101 101 101	
B	201 201 201 201	
C	301 301 301 301	
D	401 401 401 401	
E	501 501 501 501	
F	601 601 601 601	
G	701 701 701 701	
H	801 801 801 801	
I	901 901 901 901	
J	1001 1001 1001 1001	
K	1101 1101 1101 1101	
L	1201 1201 1201 1201	
M	1301 1301 1301 1301	
N	1401 1401 1401 1401	
O	1501 1501 1501 1501	
P	1601 1601 1601 1601	
Q	1701 1701 1701 1701	
R	1801 1801 1801 1801	
S	1901 1901 1901 1901	
T	2001 2001 2001 2001	
U	2101 2101 2101 2101	
V	2201 2201 2201 2201	
W	2301 2301 2301 2301	
X	2401 2401 2401 2401	
Y	2501 2501 2501 2501	
Z	2601 2601 2601 2601	
AA	2701 2701 2701 2701	
AB	2801 2801 2801 2801	
AC	2901 2901 2901 2901	
AD	3001 3001 3001 3001	
AE	3101 3101 3101 3101	
AF	3201 3201 3201 3201	
AG	3301 3301 3301 3301	
AH	3401 3401 3401 3401	
AI	3501 3501 3501 3501	
AJ	3601 3601 3601 3601	
AK	3701 3701 3701 3701	
AL	3801 3801 3801 3801	
AM	3901 3901 3901 3901	
AN	4001 4001 4001 4001	
AO	4101 4101 4101 4101	
AP	4201 4201 4201 4201	
AQ	4301 4301 4301 4301	
AR	4401 4401 4401 4401	
AS	4501 4501 4501 4501	
AT	4601 4601 4601 4601	
AU	4701 4701 4701 4701	
AV	4801 4801 4801 4801	
AW	4901 4901 4901 4901	
AX	5001 5001 5001 5001	
AY	5101 5101 5101 5101	
AZ	5201 5201 5201 5201	
BA	5301 5301 5301 5301	
BB	5401 5401 5401 5401	
BC	5501 5501 5501 5501	
BD	5601 5601 5601 5601	
BE	5701 5701 5701 5701	
BF	5801 5801 5801 5801	
BG	5901 5901 5901 5901	
BH	6001 6001 6001 6001	
BI	6101 6101 6101 6101	
BJ	6201 6201 6201 6201	
BK	6301 6301 6301 6301	
BL	6401 6401 6401 6401	
BM	6501 6501 6501 6501	
BN	6601 6601 6601 6601	
BO	6701 6701 6701 6701	
BP	6801 6801 6801 6801	
BQ	6901 6901 6901 6901	
BR	7001 7001 7001 7001	
BS	7101 7101 7101 7101	
BT	7201 7201 7201 7201	
BU	7301 7301 7301 7301	
BV	7401 7401 7401 7401	
BW	7501 7501 7501 7501	
BX	7601 7601 7601 7601	
BY	7701 7701 7701 7701	
BZ	7801 7801 7801 7801	
CA	7901 7901 7901 7901	
CB	8001 8001 8001 8001	
CC	8101 8101 8101 8101	
CD	8201 8201 8201 8201	
CE	8301 8301 8301 8301	
CF	8401 8401 8401 8401	
CG	8501 8501 8501 8501	
CH	8601 8601 8601 8601	
CI	8701 8701 8701 8701	
CJ	8801 8801 8801 8801	
CK	8901 8901 8901 8901	
CL	9001 9001 9001 9001	
CM	9101 9101 9101 9101	
CN	9201 9201 9201 9201	
CO	9301 9301 9301 9301	
CP	9401 9401 9401 9401	
CQ	9501 9501 9501 9501	
CR	9601 9601 9601 9601	
CS	9701 9701 9701 9701	
CT	9801 9801 9801 9801	
CU	9901 9901 9901 9901	
CV	10001 10001 10001 10001	
AW	10101 10101 10101 10101	
AX	10201 10201 10201 10201	
AY	10301 10301 10301 10301	
AZ	10401 10401 10401 10401	
BA	10501 10501 10501 10501	
BB	10601 10601 10601 10601	
BC	10701 10701 10701 10701	
BD	10801 10801 10801 10801	
BE	10901 10901 10901 10901	
BF	11001 11001 11001 11001	
BG	11101 11101 11101 11101	
BH	11201 11201 11201 11201	
BI	11301 11301 11301 11301	
BJ	11401 11401 11401 11401	
BK	11501 11501 11501 11501	
BL	11601 11601 11601 11601	
BM	11701 11701 11701 11701	
BN	11801 11801 11801 11801	
BO	11901 11901 11901 11901	
BP	12001 12001 12001 12001	
BQ	12101 12101 12101 12101	
BR	12201 12201 12201 12201	
BS	12301 12301 12301 12301	
BT	12401 12401 12401 12401	
BU	12501 12501 12501 12501	
BV	12601 12601 12601 12601	
BW	12701 12701 12701 12701	
BX	12801 12801 12801 12801	
BY	12901 12901 12901 12901	
BZ	13001 13001 13001 13001	
CA	13101 13101 13101 13101	
CB	13201 13201 13201 13201	
CC	13301 13301 13301 13301	
CD	13401 13401 13401 13401	
CE	13501 13501 13501 13501	
CF	13601 13601 13601 13601	
CG	13701 13701 13701 13701	
CH	13801 13801 13801 13801	
CI	13901 13901 13901 13901	
CJ	14001 14001 14001 14001	
CK	14101 14101 14101 14101	
CL	14201 14201 14201 14201	
CM	14301 14301 14301 14301	
CN	14401 14401 14401 14401	
CO	14501 14501 14501 14501	
CP	14601 14601 14601 14601	
CQ	14701 14701 14701 14701	
CR	14801 14801 14801 14801	
CS	14901 14901 14901 14901	
CT	15001 15001 15001 15001	
CU	15101 15101 15101 15101	
CV	15201 15201 15201 15201	
CW	15301 15301 15301 15301	
CX	15401 15401 15401 15401	
CY	15501 15501 15501 15501	
CZ	15601 15601 15601 15601	
DA	15701 15701 15701 15701	
DB	15801 15801 15801 15801	
DC	15901 15901 15901 15901	
DD	16001 16001 16001 16001	
DE	16101 16101 16101 16101	
DF	16201 16201 16201 16201	
DG	16301 16301 16301 16301	
DH	16401 16401 16401 16401	
DI	16501 16501 16501 16501	
DJ	16601 16601 16601 16601	
DK	16701 16701 16701 16701	
DL	16801 16801 16801 16801	
DM	16901 16901 16901 16901	
DN	17001 17001 17001 17001	
DO	17101 17101 17101 17101	
DP	17201 17201 17201 17201	
DQ	17301 17301 17301 17301	
DR	17401 17401 17401 17401	
DS	17501 17501 17501 17501	
DT	17601 17601 17601 17601	
DU	17701 17701 17701 17701	
DV	17801 17801 17801 17801	
DW	17901 17901 17901 17901	
DX	18001 18001 18001 18001	
DY	18101 18101 18101 18101	
DZ	18201 18201 18201 18201	
EA	18301 18301 18301 18301	
EB	18401 18401 18401 18401	
EC	18501 18501 18501 18501	
ED	18601 18601 18601 18601	
EE	18701 18701 18701 18701	
EF	18801 18801 18801 18801	
EG	18901 18901 18901 18901	
EH	19001 19001 19001 19001	
EI	19101 19101 19101 19101	
EJ	19201 19201 19201 19201	
EK	19301 19301 19301 19301	
EL	19401 19401 19401 19401	
EM	19501 19501 19501 19501	
EN	19601 19601 19601 19601	
EO	19701 19701 19701 19701	
EP	19801 19801 19801 19801	
EQ	19901 19901 19901 19901	
ER	20001 20001 20001 20001	
ES	20101 20101 20101 20101	
ET	20201 20201 20201 20201	
EU	20301 20301 20301 20301	
EV	20401 20401 20401 20401	
EW	20501 20501 20501 20501	
EX	20601 20601 20601 20601	
EY	20701 20701 20701 20701	
EZ	20801 20801 20801 20801	
FA	20901 20901 20901 20901	
FB	21001 21001 21001 21001	
FC	21101 21101 21101 21101	
FD	21201 21201 21201 21201	
FE	21301 21301 21301 21301	
FF	21401 21401 21401 21401	
FG	21501 21501 21501 21501	
FH	21601 21601 21601 21601	
FI	21701 21701 21701 21701	
FJ	21801 21801 21801 21801	
FK	21901 21901 21901 21901	
FL	22001 22001 22001 22001	
FM	22101 22101 22101 22101	
FN	22201 22201 22201 22201	
FO	22301 22301 22301 22301	
FP	22401 22401 22401 22401	
FQ	22501 22501 22501 22501	
FR	22601 22601 22601 22601	
FS	22701 22701 22701 22701	
FT	22801 22801 22801 22801	
FU	22901 22901 22901 22901	
FV	23001 23001 23001 23001	
FW	23101 23101 23101 23101	
FX	23201 23201 23201 23201	
FY	23301 23301 23301 23301	
FZ	23401 23401 23401 23401	
GA	23501 23501 23501 23501	
GB	23601 23601 23601 23601	
GC	23701 23701 23701 23701	
GD	23801 23801 23801 23801	
GE	23901 23901 23901 23901	
GF	24001 24001 24001 24001	
GG	24101 24101 24101 24101	
GH	24201 24201 24201 24201	
GI	24301 24301 24301 24301	
GJ	24401 24401 24401 24401	
GK	24501 24501 24501 24501	
GL	24601 24601 24601 24601	
GM	24701 24701 24701 24701	
GN	24801 24801 24801 24801	
GO	24901 24901 24901 24901	
GP	25001 25001 25001 25001	
GQ	25101 25101 25101 25101	
GR	25201 25201 25201 25201	
GS	25301 25301 25301 25301	
GT	25401 25401 25401 25401	
GU	25501 25501 25501 25501	
GV	25601 25601 25601 25601	
GW	25701 25701 25701 25701	
GX	25801 25801 25801 25801	
GY	25901 25901 25901 25901	
GZ	26001 26001 26001 26001	
HA	26101 26101 26101 26101	
HB	26201 26201 26201 26201	
HC	26301 26301 26301 26301	
HD	26401 26401 26401 26401	
HE	26501	

TURNED BOLTS

422-19

FIELD RIVETS AND BOLTS

卷之四



AMERICAN BRIDGE COMPANY

STANDARD WASHERS

TYPE X V P

FOR AMBRIDGE FABRICATION FOR ORDINARY FIT TURNED BOLTS REDUCE DIMENSION A 1/8"

NO	TYPE	SIZE OF REAMED HOLE	D1	D2	A	B	L	GRID	TYPE OF WASH	NO OF WASHES EACH BOLT	NO AND SIZE OF NUTS	NO AND SIZE OF WASHERS	NO AND SIZE OF BOLTS	LOCATION	SHEET NO	NO OF SHEETS	CALCULATED WEIGHT TOTAL	SHIPMENTS
6	Hex	1 1/2	DF	1/2	6 3/4	1 1/4	8	6 3/4	Hex	1	X	1-2 1/4	3/8	Girts. to Pedestals		1	14	
8	Hex	1 1/2	DF	1/2	6 3/4	1 1/4	7 1/2	6 3/4	Hex	1	X	1-2 1/4	3/8			1	21	
2	Hex	1 1/2	DF	1/2	6	1 1/4	7 1/2	5 1/2	Hex	1	X	1-2 1/4	3/8			1	5	
16	Hex	1 1/2	DF	1/2	5 1/2	1 1/4	7 1/2	5 1/2	Hex	1	X	1-2 1/4	3/8			1	40	

Sheet 1 of 1

TURNED BOLTS DIV. 2

NAME OF STRUCTURE BANGOR-BREWER BRIDGE PENOBSCOT RIVER, ME

ORDER NO. Q4150 SHEET NO. C202

AMERICAN BRIDGE COMPANY

FIELD RIVETS AND BOLTS

LINE	ACTUAL NUMBER REQ'D.	NO. SHIPPED	DIM.	RIVETS	BOLTS	SHIPMENTS
1						
2						
3	8	11	3/8	6 1/2		4 1/2
4	232	277		5 1/2		3 1/2
5	4	6		5 1/2		3 1/2
6	4	6		5 1/2		3 1/2
7	16	23		4 1/2		3
8	97	122		4 1/2		2 1/2
9	18	25		4 1/2		2 1/2
10	274	325		4 1/2		2 1/2
11	76	98		4 1/2		2 1/2
12	241	288		4 1/2		2 1/2
13	20	27		4		2 1/2
14	35	45		3 1/2		1 1/2
15	63	75		3 1/2		1 1/2
16	166	200		3 1/2		1 1/2
17	90	114		3 1/2		1 1/2
18	60	70		2 1/2		1 1/2
19	878	1020		2 1/2		1 1/2
20	242	288		2 1/2		1 1/2
21	490	574		2 1/2		1 1/2
22	180	217		2 1/2		1 1/2
23	216	260		2 1/2		1 1/2
24	24	32		3 1/2		2
25						
26						
27						
28						
29	4	6	3/8	3 Hex. Hex. Brv. Ordinary	2 1/2	1 1/2
30	24	30	3/8	2 1/2 Hex. Hex. Brv. "	1 1/2	1 1/2
31						
32						
33	28	36		Standard Beveled Washers - 1/2" Hole		3
34	16	16		Standard Beveled Washers - 1/2" Hole - for turned bolts		3
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
86						
87						
88						
89						
90						
91						
92						
93						
94						
95						
96						
97						
98						
99						
100						

FIELD RIVETS AND BOLTS DIV. 2

BANGOR-BREWER BRIDGE PENOBSCOT RIVER, ME

ORDER NO. Q4150 PAGE NO. C201

AMERICAN BRIDGE COMPANY

FIELD RIVETS AND BOLTS

LINE	ACTUAL NUMBER REQ'D.	NO. SHIPPED	DIM.	RIVETS	BOLTS	SHIPMENTS
1	12	25	7/8	4 1/2		3 1/2
2	32	50		3 1/2		2 1/2
3	191	230		3 1/2		1 1/2
4	76	100		3 1/2		1 1/2
5	28	45		2 1/2		1 1/2
6	6	16		2 1/2		1 1/2
7	18	32		2 1/2		1 1/2
8	16	30		2 1/2		1 1/2
9	100	125		3 1/2		1 1/2
10	32	50		2 1/2		1 1/2
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
86						
87						
88						
89						
90						
91						
92						
93						
94						
95						
96						
97						
98						
99						
100						

FIELD RIVETS AND BOLTS

DIV. 1 - LATERAL RS TO GIRDERS

BANGOR-BREWER BRIDGE BANGOR, MAINE

ORDER NO. Q4150 PAGE NO. C103

DO NOT CHARGE

AMERICAN BRIDGE COMPANY

STANDARD WASHERS

PLATE LOCK BEVEL

TYPE X V P

DIMENSION A GRID + 1/16" GRIP - 1/16" ON 1/8"

FOR AMBRIDGE FABRICATION FOR ORDINARY FIT TURNED BOLTS REDUCE DIMENSION A 1/8"

NO. REQD. TYPE OF HEAD HOLE SIZE OF HEAD HOLE DI. DR. A. B. L. GRID TYPE OF WASH. NO. OF WASH. PER BOLT IN AND OUT OF WASH. OF WASH. OF BOLT EACH BOLT LOCATION SHEET NO. CALCULATED WEIGHT TOTAL SHIPMENTS

8 Hex 1 1/2 DE 3/4 6 1/2 1 1/2 6 1/2 Hex 1 X 1-24-3

2 Hex 1 1/2 DE 3/4 5 1/2 1 1/2 5 1/2 Hex 1 X 1-24-3

6 Hex 1 1/2 DE 3/4 6 1/2 1 1/2 6 1/2 Hex 1 X 1-24-3

16 Hex 1 1/2 DE 3/4 5 1/2 1 1/2 5 1/2 Hex 1 X 1-24-3

16 Hex 1 1/2 DE 3/4 2 1/2 1 1/2 2 1/2 Hex 1 X 1-24-3

Grid to Pedestal at Piers

Grid to Pedestal at Abut

TURNED BOLTS DIV. 3

DATE FEB 1911

DRAWING TRENTON

FABRICATION AMBRIDGE

ORDER NO. Q4150

SHEET NO. C302

NAME OF STRUCTURE BANGOR-BREWER BRIDGE

PENOBSCOT RIVER, ME.

AMERICAN BRIDGE COMPANY

FIELD RIVETS AND BOLTS

NO. SHIPPED DIAM. RIVETS BOLTS LENGTH UNDER HEAD HEAD BUT WASH. TYPE OF BOLT GRIP

1 8 12 3 6 4 115

2 192 231 5 1/2 3 1/2 249

3 4 6 5 2 1/2 6

4 4 6 4 1/2 2 1/2 6

5 4 6 4 1/2 2 1/2 6

6 12 17 4 2 1/2 115

7 67 82 3 1/2 2 1/2 7

8 62 70 3 1/2 1 1/2 58

9 39 50 3 1/2 1 1/2 41

10 485 560 3 1/2 1 1/2 442

11 266 317 3 1/2 1 1/2 228

12 594 694 2 1/2 1 1/2 442

13 136 167 2 1/2 1 1/2 104

14 394 464 2 1/2 1 1/2 274

15 548 642 2 1/2 1 1/2 344

16 40 50 4 1/2 2 1/2 47

17 48 58 3 1/2 1 1/2 43

18 8 11 3 3 Hex Hex Bev Ordinary 5 1/2 1

19 20 25 2 1/2 1 1/2 15

20 28 36 Standard Beveled Washers - 1/16" hole

21 16 16 Standard Beveled Washers - 1/16" hole - For turned bolts.

FIELD RIVETS AND BOLTS FOR DIV. 3

DATE FEB 1911

DRAWING TRENTON

FABRICATION AMBRIDGE

ORDER NO. Q4150

PAGE NO. C301

NAME OF STRUCTURE BANGOR-BREWER BRIDGE

PENOBSCOT RIVER, ME.

AMERICAN BRIDGE COMPANY

FIELD RIVETS AND BOLTS

NO. SHIPPED DIAM. RIVETS BOLTS LENGTH UNDER HEAD HEAD BUT WASH. TYPE OF BOLT GRIP

1 8 19 3 1/2 4 1/2 2 1/2 115

2 12 25 4 1/2 2 1/2 43

3 28 44 4 1/2 2 1/2 41

4 90 115 4 1/2 2 1/2 115

5 61 80 4 2 1/2 70

6 48 65 3 1/2 2 1/2 58

7 8 19 3 1/2 2 1/2 115

8 4 15 3 1/2 1 1/2 41

9 8 19 3 1/2 1 1/2 58

10 9 20 3 1/2 1 1/2 41

11 64 85 3 1/2 1 1/2 115

12 4 15 2 1/2 1 1/2 41

13 56 75 2 1/2 1 1/2 115

14 34 50 2 1/2 1 1/2 41

15 6 17 2 1/2 1 1/2 41

16 15 28 2 1/2 1 1/2 41

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

FIELD RIVETS AND BOLTS

DIV. 2 LATERAL PLATE: TO GIRDER

DATE FEB 1911

DRAWING TRENTON

FABRICATION AMBRIDGE

ORDER NO. Q4150

PAGE NO. C203

NAME OF STRUCTURE BANGOR-BREWER BRIDGE

BANGOR MAINE

FIELD RIVETS AND BOLTS
AMERICAN BRIDGE COMPANY

LINE NO.	ACTUAL NUMBER REQ'D.	NO. SHIPPED	DIAM.	RIVETS	BOLTS	SHIPMENTS
				LENGTH INCHES HEAD	HEAD RVT WASH- ER	
1	8	11	3/8	6 1/2		4 1/2
2	232	277		5 1/2		3 1/2
3	4	6		5 1/2		3 1/2
4	4	6		5 1/2		3 1/2
5	16	23		4 1/2		3
6	97	122		4 1/2		2 1/2
7	18	25		4 1/2		2 1/2
8	274	325		4 1/2		2 1/2
9	76	98		4 1/2		2 1/2
10	241	288		4 1/2		2 1/2
11	20	27		4		1 1/2
12	35	45		3 1/2		1 1/2
13	63	75		3 1/2		1 1/2
14	166	200		3 1/2		1 1/2
15	90	114		3 1/2		1 1/2
16	60	70		2 1/2		1 1/2
17	878	1020		2 1/2		1 1/2
18	242	288		2 1/2		1 1/2
19	490	574		2 1/2		1 1/2
20	780	217		2 1/2		1 1/2
21	216	260		2 1/2		1 1/2
22	24	32		3 1/2		2
23						
24						
25						
26						
27						
28	4	6	3/4	3 Hex	Hex. Bev. Ordinary	2 1/2
29	24	30	3/4	2 1/2 Hex	Hex. Bev. "	1 1/2
30						
31						
32						
33						
34	28	36		Standard Beveled Washers - 1/2" Hole		8
35						
36	16	16		Standard Beveled Washers - 1/2" Hole - for turned bolts		9
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
86						
87						
88						
89						
90						
91						
92						
93						
94						
95						
96						
97						
98						
99						
100						

FIELD RIVETS AND BOLTS
AMERICAN BRIDGE COMPANY

LINE NO.	ACTUAL NUMBER REQ'D.	NO. SHIPPED	DIAM.	RIVETS	BOLTS	SHIPMENTS
				LENGTH INCHES HEAD	HEAD RVT WASH- ER	
1	8	20	3/8	4 1/2		5 1/2
2	22	36		3 1/2		2 1/2
3	147	180		3 1/2		1 1/2
4	16	30		3 1/2		1 1/2
5	100	125		3 1/2		1 1/2
6	33	50		3 1/2		1 1/2
7	32	50		2 1/2		1 1/2
8	28	45		2 1/2		1 1/2
9	6	16		2 1/2		1 1/2
10	18	32		2 1/2		1 1/2
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
86						
87						
88						
89						
90						
91						
92						
93						
94						
95						
96						
97						
98						
99						
100						

FIELD RIVETS AND BOLTS
AMERICAN BRIDGE COMPANY

AMERICAN BRIDGE COMPANY											SHIPMENTS		
LINE NO.	ACTUAL NUMBER REQ'D.	NO. SHIPPED	DIAM.	RIVETS		BOLTS				GRIP	S.S.	SPECIAL NOTES	QUANTITY
				LENGTH UNDER HEAD	HEAD	TYPE OF BOLT	WASH-ER	TYPE OF BOLT					
1													
2	8	11	3/8			3 3/8	Button	Hex					
3	64	72	3/8			2 3/8				2 7/8	10	(SR	13
4										1 7/8	6	SR	14
5	72	83	Washers	2 1/2"	4"	1 1/2"	Hex						
6	144	166	"	2 1/2"	5"	1 1/2"	Hex						
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
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													
113													
114													
115													
116													
117													
118													
119													
120													
121													
122													
123													
124													
125													
126													
127													
128													
129													
130													
131													
132													
133													
134													
135													
136													
137													
138													
139													
140													
141													
142													
143													
144													
145													
146													
147													
148													
149													
150													
151													
152													
153													
154													
155													
156													
157													
158													
159													
160													
161													
162													
163													
164													
165													
166													
167													
168													
169													
170													
171													
172													
173													
174													
175													
176													
177													
178													
179													
180													
181													
182													
183													
184													
185													
186													
187													
188													
189													
190													
191													

ERECTOR'S LIST FIELD RIVETS AND BOLTS AMERICAN BRIDGE

UNITED STATES STEEL COMPANY

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS				GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
				LENGTH UNDER HEAD	HEAD	NUT	WASHER			
1	12	7/8	2 3/8					1 1/2	3/8	D2 to CFA, CF6
2	20	3/8	2 1/2					1	5/8	D3 to CF6
3	32	7/8	2 3/8					1 1/2	3/8	D1 to CFA
4	4	7/8	2 3/8					1 1/2	3/8	D2 to S30
5	8	7/8	2 3/8					1 1/2	3/8	D2 to S26, S27
6	8	3/4		3	Hex	Hex	Ordinary	2 1/2	5/8	Fascia E to BR1, BR2, BR3, BR4, BR5
7	20	3/4		2 1/2	"	"	"	1 1/2	5/8	" " BR2 E
8	2	DF		7 1/2	Hex	Hex	Turned	6 1/2	5/8	Gir. to Pedestal @ Piers
9	2			7 1/2	"	"	"	5 3/4	5/8	" " " "
10	6			8	"	"	"	6 1/2	5/8	Gir. to Pedestal @ Piers
11	6			7 1/2	"	"	"	6 1/2	5/8	" " " "
12	16			6 1/2	"	"	Flat	5 1/2	5/8	" " " "
13	16	DF		3 1/2	Hex	Hex	Flat Turned	2 1/2	3/4	Gir. to Pedestal @ Abuts
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	6	7/8	3 3/8					2 1/2	5/8	S26 (Div. 3) to Gir.
24	363	3/8	3 1/2					1 1/2	3/4	Cov. P's to Fig. 15
25	15	3/8	3 3/8					2 1/2	5/8	Cov. P's to Fig. 15 to Cov. Pl.
26	192	3/8	5 1/4					3 3/8	3/4	Sp. P's to Fig. 15 to Web
27										
28	8	3/8	6					4	5/8	" " " " to stiff. 15
29										
30	72	3/8	3 1/2					1 1/2	3/4	Stiff. to Spl. P's. to web
31	288	3/8	2 3/8					1 1/2	3/8	Spl. P's. to Web
32										
33										
34										
35	48	7/8	3 1/2					1 1/2	7/8	GIR. to G4A, G1E to G4E
36	40	3/8	3 1/2					1 1/2	7/8	" " " "
37										
38										
39										
40										
41										
42										
43										
44										
45										
46										
47										
48										

FIELD RIVETS AND BOLTS
For ONE DIV. - DIVS 1 & 3

NAME: EBM DATE: _____

DESIGNED BY: Trenton
CHECKED BY: Amb.
IN CHARGE OF MARKS: Q4150
SHEET No. EF102

NAME OF STRUCTURE: BANGOR-BREWER BRIDGE PENOBSCOT RIVER, ME.

ERECTOR'S LIST FIELD RIVETS AND BOLTS AMERICAN BRIDGE

UNITED STATES STEEL COMPANY

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS				GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
				LENGTH UNDER HEAD	HEAD	NUT	WASHER			
1	40	7/8	4 3/8					2 1/2	3/8	Sdk Brt. & Cr. P. Conn. L to Gir. at Pier
2	12	3/8	4					2 1/2	3/8	Sdk Brt. conn. L to Gir.
3	96	3/8	3 1/2					1 1/2	3/8	" " " "
4	4	3/8	5					3 1/2	3/8	BRG (Div. 3) BR1 & 8 (Div. 1) to Gir. Flg
5	4	3/8	4 3/8					2 1/2	3/8	" " " "
6	40	3/8	3 1/2					2 1/2	3/8	BR2 (Div. 1) BR5 (Div. 3) " " "
7	4	3/8	4 3/8					2 1/2	3/8	BR7 (Div. 1) BR9 (Div. 3) " " "
8	4	3/8	4 1/2					2 1/2	3/8	" " " "
9	12	3/8	2 3/8					1 1/2	3/8	Fascia Struts to Gir. Flg
10	36	3/8	3 1/2					1 1/2	3/8	" " " "
11	6	3/8	3 1/2					2 1/2	3/8	" " " "
12	18	3/8	3 1/2					1 1/2	3/8	" " " "
13										
14	192	7/8	2 3/8					1 1/2	5/8	D6 to Girs
15	120	3/8	2 1/2					3/8	5/8	D7, D8, D9, D10 to Girs. G2E, G3E, G4E
16	24	3/8	2 1/2					3/8	5/8	D8, D9 to G1E
17	36	3/8	2 1/2					3/8	5/8	CF1, CF2 to Gir. Flg.
18	190	3/8	2 1/2					1 1/2	5/8	CF3, CF5, CF9, CF11 to CF16 incl. to Gir. Flg.
19										
20	16	7/8	2 3/8					1 1/2	5/8	BRG (Div. 1) to Cross Frames
21	60	3/8	2 1/2					3/8	5/8	BR2 (Div. 1) " " "
22	12	3/8	2 1/2					3/8	5/8	BR3 (Div. 1) " " "
23										
24	29	3/8	3 1/2					2	3/4	S26, S27 to Gir.
25	29	3/8	3 1/2					1 1/2	3/4	" " " "
26	10	3/8	3 1/2					1 1/2	3/4	S30 " "
27	10	3/8	3 1/2					1 1/2	3/4	S30 " "
28										
29	36	3/8	3 1/2					1 1/2	3/4	BR1, BR2, BR3 to Gir. Stiff.
30	180	3/8	2 3/8					1 1/2	3/4	BR2 (Div. 1) " " "
31	36	3/8	3 1/2					1 1/2	3/4	BR3 (Div. 1) " " "
32										
33	78	3/8	2 3/8					1 1/2	5/8	CF1E, CF2 to Gir. Stiff.
34	130	3/8	2 1/2					1 1/2	5/8	CF3E, CF4E, CF11 to CF16 incl. to Ext. Girs
35	180	3/8	2 1/2					1 1/2	5/8	" " CF5, CF11, CF16 incl. to Int. Girs
36	80	3/8	3 1/2					1 1/2	3/4	CF4, CF6 to Gir.
37										
38	32	3/8	2 1/2					1 1/2	5/8	D1 to Gir
39	20	3/8	2 1/2					1 1/2	5/8	D3 to Gir
40	10	3/8	2 1/2					1 1/2	5/8	S30 to Gir
41	16	3/8	2 1/2					1 1/2	5/8	S26, S27 to Gir
42										
43										
44										
45										
46										
47										
48										

FIELD RIVETS AND BOLTS
For one Div. - DIVS 1 & 3

NAME: EBM DATE: _____

DESIGNED BY: Trenton
CHECKED BY: Amb.
IN CHARGE OF MARKS: Q4150
SHEET No. EF101

NAME OF STRUCTURE: BANGOR-BREWER BRIDGE PENOBSCOT RIVER, ME.

FIELD RIVETS AND BOLTS AMERICAN BRIDGE COMPANY

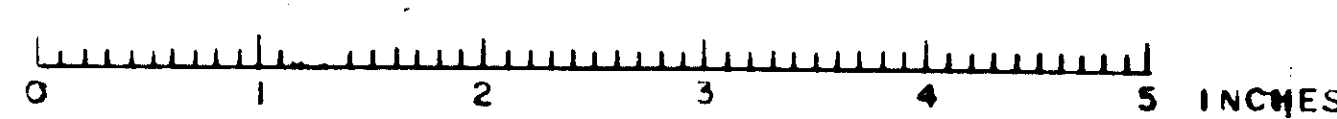
LINE NO.	ACTUAL NUMBER SHIPPED	NO. SHIPPED	DIAM.	RIVETS	BOLTS				GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
					LENGTH UNDER HEAD	HEAD	NUT	WASHER			
1	20	35	7/8	4 1/2					2 1/2		
2	16	30	3/8	4 3/8					2 1/2		
3	16	30	3/8	4 1/2					2 1/2		
4	76	100	3/8	4 1/2					2 1/2		
5	40	57	3/8	3 3/8					2 1/2		
6	40	57	3/8	3 3/4					2 1/2		
7	16	30	3/8	3 3/4					2 1/2		
8	64	85	3/8	3 3/4					1 1/2		
9	48	66	2 3/4	2 3/4					1 1/2		
10	21	35	1	2 3/4					5/8		
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											
45											
46											
47											
48											

FIELD RIVETS AND BOLTS
DIVS. LATERAL PLATES TO GIRDERS



NAME: EBM DATE: _____

DESIGNED BY: Trenton
CHECKED BY: Amb.
IN CHARGE OF MARKS: Q4150
SHEET No. EF101

NAME OF STRUCTURE: BANGOR-BREWER BRIDGE BANGOR, MAINE




DIVISION
 A

UNITED STATES STEEL COMPANY											
LINE NO.	NO. PCS.	DIAM.	RIVETS		BOLTS				GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
					LENGTH UNDER HEAD	HEAD	NUT	WASHER			
1											
2	8	$\frac{3}{8}$	4						$2\frac{3}{8}$	$\frac{3}{8}$	Sunk Brkt. conn. L to Gir
3	4	$\frac{3}{8}$	4 1/2						2 3/8	$\frac{3}{8}$	" " " " "
4	64	$\frac{3}{8}$	3 1/2						1 1/2	$\frac{3}{8}$	" " " " "
5	32	$\frac{3}{8}$	3 1/2						1 3/8	$\frac{3}{8}$	" " " " "
6	40	$\frac{3}{8}$	4 5/8						2 3/8	$\frac{3}{8}$	" " " " " at Pier
7											
8											
9	32	$\frac{7}{8}$	4 5/8						$2\frac{13}{16}$	$\frac{7}{8}$	Sunk Brkt. to Gir. Flg.
10	8	$\frac{7}{8}$	4 1/2						$2\frac{15}{16}$	$\frac{7}{8}$	" " " " "
11	8	$\frac{7}{8}$	4 7/8						3	$\frac{7}{8}$	" " " " " At Field Spl.
12	4	$\frac{7}{8}$	5 3/8						$3\frac{7}{8}$	$\frac{7}{8}$	BRE (Dn.) to Gir. flg.
13	4	$\frac{7}{8}$	5 1/4						$3\frac{7}{8}$	$\frac{7}{8}$	BRE (Dn.) " " "
14											
15											
16	16	$\frac{7}{8}$	2 5/8						$1\frac{1}{8}$	$\frac{7}{8}$	53R STE 53R (Dn.) to Gir
17	26	$\frac{7}{8}$	3 1/8						$1\frac{1}{2}$	$\frac{7}{8}$	Sunk Struts to Gir
18	6	$\frac{7}{8}$	4 6/8						$2\frac{3}{8}$	$\frac{7}{8}$	" " " " "
19	6	$\frac{7}{8}$	3 5/8						$1\frac{13}{16}$	$\frac{7}{8}$	" " " " "
20	18	$\frac{7}{8}$	4 1/2						$2\frac{3}{8}$	$\frac{7}{8}$	" " " " "
21	6	$\frac{7}{8}$	4 5/8						$2\frac{5}{8}$	$\frac{7}{8}$	" " " " "
22	6	$\frac{7}{8}$	4 5/8						2 5/8	$\frac{7}{8}$	" " " " " At Field Spl.
23											
24											
25	192	$\frac{3}{8}$	2 3/8						$\frac{7}{8}$	$\frac{3}{8}$	D11, D12 to Gir
26	60	$\frac{3}{8}$	2 1/2						$\frac{11}{16}$	$\frac{3}{8}$	D13 " Gir
27	56	$\frac{3}{8}$	2 1/2						1	$\frac{7}{8}$	D14 " "
28	14	$\frac{3}{8}$	2 1/2						1	$\frac{5}{16}$	D15 " Int. Gir.
29	14	$\frac{3}{8}$	2 3/8						$1\frac{1}{2}$	$\frac{3}{8}$	D15 " Ext. "
30	16	$\frac{3}{8}$	2 3/8						$1\frac{3}{8}$	$\frac{3}{8}$	D16 " " "
31	16	$\frac{3}{8}$	2 5/8						$1\frac{7}{8}$	$\frac{3}{8}$	D16 " Int. Gir.
32	64	$\frac{3}{8}$	2 5/8						$1\frac{7}{8}$	$\frac{3}{8}$	D17 " Girs.
33	190	$\frac{3}{8}$	2 3/8						$\frac{10}{16}$	$\frac{3}{8}$	CFB, CFS, CF9, CF10, CF15 to Gir Flg
34	38	$\frac{3}{8}$	2 3/8						$\frac{13}{16}$	$\frac{3}{8}$	CF10, CFS, CF7, CF16 " " "
35											
36											
37	60	$\frac{3}{8}$	2 1/2						$\frac{15}{16}$	$\frac{3}{8}$	BRE (Dn.) Cr. Frames
38	12	$\frac{3}{8}$	2 3/8						$1\frac{7}{8}$	$\frac{3}{8}$	BRE (Dn.) " "
39	12	$\frac{3}{8}$	2 1/2						$1\frac{7}{8}$	$\frac{3}{8}$	BRE (Dn.) " "
40											
41											
42	29	$\frac{3}{8}$	3 1/2						$1\frac{3}{4}$	$\frac{3}{8}$	S18, S29 to Gir. Flgs.
43	29	$\frac{3}{8}$	3 3/8						$1\frac{9}{8}$	$\frac{3}{8}$	" " " " "
44	10	$\frac{3}{8}$	3 1/4						$1\frac{1}{16}$	$\frac{3}{8}$	S16 " " "
45	10	$\frac{3}{8}$	3 1/2						$1\frac{11}{16}$	$\frac{3}{8}$	" " " " "
46											
FIELD RIVETS AND BOLTS											
For one Div. - Divs. 2 & 4											
NAME DATE											
EBM											
BRIDGE											
Trenton											
Ambridge											
IN CHARGE OF											
ORDER No.											
Q4150											
SHEET No.											
EF801											
BANGOR-BREWER BRIDGE PENOBSCOT RIVER, ME.											

OF VISION

UNITED STATES STEEL COMPANY

LINE NO.	NO. PCS.	DIAM.	RIVETS 	BOLTS				GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION	
				LENGTH UNDER HEAD	HEAD	NUT	WASHER				TYPE OF BOLT
1	3	3/8	3/8						1 1/2	3/8 x 1/2	hk 101 G4A to G4A
2	9		3/8						2 1/2	3/8 x 1/2	" " "
3											
4											Field Rivets Bot Flg.
5	12		3/4						1 3/8	3/4 x 1/2	G1A
6	12		3/4						1 3/8	3/4 x 1/2	G3A
7	12		3/4						1 3/8	3/4 x 1/2	G4A
8											Field Rivets Top Flg.
9	32		2 3/4						1 3/8	3/4 x 1/2	} All girders
10	64		3/4						1 3/8	3/4 x 1/2	
11	16		3/2						1 3/8	3/4 x 1/2	
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											
45											
46											

FIELD RIVETS AND BOLTS

Div 1 - LAT PS to Girs

NAME	DATE
EE	5-15-44

DRAWINGS Trenton FABRICATION Ambridge	IN CHARGE OF MARK'S ORDER No. Q4150
--	--



BANGOR - BREWER BRIDGE

NAME OF STRUCTURE

BANGOR, MAINE

SHEET No. **EF104**

UNITED STATES GOVERNMENT

LINE NO.	NO. PCS.	DIAM.	RIVETS		BOLTS					GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
					LENGTH UNDER HEAD	HEAD	SHUT	WASHER	TYPE OF BOLT			
1	6	3/8	2 1/2							1 1/2	3/8	pak101 G2A to G2A
2	8		2 3/8							1 1/2		pt101 G2A " "
3	7		3 3/8							1 1/2	3/8	pd101 G2A " "
4	11		3 3/8							1 1/2	3/8	" " "
5	8		3 3/8							1 1/2		ph101 G2A " "
6	8		3 3/8							1 1/2		pp101 G2A " "
7	5		3 3/8							1 1/2		pg101 G2A " "
8	3		3 3/8							2 1/2	3/8	" " "
9	6		3 3/8							1 1/2	3/8	hb101 G2A " "
10	12		3 3/8							1 1/2	3/8	pba101 G2A " "
11	13		3 3/8							1 1/2		ack101 G2A " "
12	10		3 3/8							2	3/8	hh101 G2A " "
13	2		4 3/8							3 1/2	3/8	" " "
14	6		3 3/8							2		hp101 G2A " "
15	2		4 3/8							3 1/2		" " "
16	12		3 3/8							1 1/2	3/8	pbm G2A " "
17	12		3 3/8							1 1/2		pbn G2A " "
18	6		3 3/8							2 1/2	3/8	hmi101 G2A " "
19	9		3 3/4							1 1/2	3/8	kg101 G2A " "
20	10		3 3/8							2	3/8	hg101 G1A to G1A
21	2		4 3/8							3 1/2	3/8	" " "
22	6		2 3/8							1 1/2	3/8	pa101 G3A to G3A
23	8		2 3/8							1 1/2		pe101 G3A " "
24	7		3 3/8							1 1/2	3/8	pd101 G3A " "
25	11		3 3/8							1 1/2	3/8	" " "
26	8		3 3/8							1 1/2	3/8	pk101 G3A " "
27	8		3 3/8							1 1/2		pm101 G3A " "
28	8		3 3/8							2 1/2	3/8	pbb101 G3A " "
29	6		3 3/8							1 1/2	3/8	hb101 G3A " "
30	5		3 3/8							1 1/2	3/8	pbd101 G3A " "
31	7		3 3/8							1 1/2	3/8	" " "
32	7		3 3/8							1 1/2		pbf101 G3A " "
33	6		3 3/8							1 1/2		" " "
34	6		3 3/8							2	3/8	hp101 G3A " "
35	2		4 3/8							3 1/2	3/8	" " "
36	10		3 3/8							2		hh101 G3A " "
37	2		4 3/8							3 1/2		" " "
38	12		2 3/8							1 1/2	3/8	pbt101 G3A " "
39	12		3 3/8							1 1/2		pbb101 G3A " "
40	6		3 3/8							2 1/2	3/8	hm101 G3A " "
41	9		3 3/8							1 1/2	3/8	kg101 G3A " "
42	18		2 3/8							5/8	3/8	pea101 G3A " "
43	6		2 3/8							1 1/2		" " "
44	11		3 3/8							1 1/2	3/8	hc101 G4A to G4A
45	10		3 3/8							2	3/8	hh101 G4A to G4A
46	2		4 3/8							3 1/2	3/8	" " "

FIELD RIVETS AND BOLTS

Div 1 - LAT. P's to Gdrs

NAME

DATE

EEL

5-15-54

REVISIONS

Drawn

Fabrication

Amb.

IN CHARGE OF

ORDER NO.

Q4150

SHEET NO.

EF103

NAME OF STRUCTURE

BANGOR BREWER BRIDGE

BANGOR MARINE

FIELD RIVETS AND BOLTS		NAME		DATE		DRAWINGS		IN CHARGE OF		SHEET No.	
Div 1 - LAT. PS to Gdrs		EEL		5/13/54		Trenton FABRICATION		MACK'S ORDER No.		EF103	
						REVISING		Q4150			
						Amb.					
						L M O R					
						X					
BANGOR-BREWER BRIDGE		NAME OF STRUCTURE				BANGOR MARINE					

ERECTORS LIST
FIELD RIVETS AND BOLTS
AMERICAN BRIDGE

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS	GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
			LENGTH UNDER HEAD	HEAD	NUT	WASHER	
1	4	3/8					Field Rivets Top Flg G1B, G4B
2	8	3/8					"
3	16	4/4					"
4	28	2 1/2					Field Rivets Top Flg G2B, G3B
5	4	3/8					"
6	4	2 1/2					"
7	8	3/2					"
8	16	4					"
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							
63							
64							
65							
66							
67							
68							
69							
70							
71							
72							
73							
74							
75							
76							
77							
78							
79							
80							
81							
82							
83							
84							
85							
86							
87							
88							
89							
90							
91							
92							
93							
94							
95							
96							
97							
98							
99							
100							

ERECTORS LIST
FIELD RIVETS AND BOLTS
AMERICAN BRIDGE

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS	GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
			LENGTH UNDER HEAD	HEAD	NUT	WASHER	
1							RATES TO GIRDER G2B
2	8	3/8					pd201 G2B
3	6	2 1/2					pf201 G2B
4	12	3/8					"
5	8	2 1/2					pk201 G2B
6	8	3/4					pt201 G2B
7	8	3/8					py201 G2B
8	7	3/8					pbd201 G2B
9	9	3/4					pag201 G2B
10	3	4					"
11	6	3/8					hm201 G2B
12	6	3/8					hm201 G2B
13	14	4/4					pbk201 G2B
14	12	4/4					bc201 G2B
15	2	4/8					"
16	8	4/8					hw201 G2B
17	2	4/8					"
18	4	4/4					pba201 G2B
19	12	3/8					"
20	9	4					kg201 G2B
21							RATES TO GIRDER G3B
22	2	2 1/2					pa201 G3B
23	6	2 1/2					pf201 G3B
24	12	3/8					"
25	4	2 1/2					pm201 G3B
26	4	3/8					"
27	8	3/8					pp201 G3B
28	8	3/8					py201 G3B
29	7	3/8					pbd201 G3B
30	12	4					pag201 G3B
31	6	3/8					hm201 G3B
32	14	4/4					pbk201 G3B
33	8	4/8					hw201 G3B
34	2	4/8					"
35	16	4/4					pau201 G3B
36	9	4					kg201 G3B
37	15	2 1/2					pca201 G3B
38	6	2 1/2					"
39							RATES TO GIRDER G4B
40	12	4/4					hb201 G4B
41	2	4/8					"
42	24	4/4					Field Rivet Bot Flg G1B, G4B
43	12	4					Field Rivet Bot Flg G2B
44	12	4/4					Field Rivet Bot Flg G3B
45	28	2 1/2					Field Rivet Top Flg G1B, G4B
46	4	3/8					"

ERECTORS LIST
FIELD RIVETS AND BOLTS
AMERICAN BRIDGE

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS	GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
			LENGTH UNDER HEAD	HEAD	NUT	WASHER	
1							Ladder to Gir.
2	12	3/8					"
3	12	3/8					"
4							
5							
6	124	3/8					Solew Brkts & Cr. Frs. to Gir. Stiffeners
7	216	3/8					" " to Stiffs.
8	156	3/8					Cr. Frs. to Ext. Girs.
9	216	3/8					" " Int. "
10							
11							
12	20	3/8					D3 to Gir
13	32	3/8					D1 "
14	20	3/8					D3 " C/F
15	32	3/8					D1 " C/F
16	12	3/8					D2 " C/F, C/F
17	8	3/8					" " S2B, S29
18	4	3/8					" " S16
19	16	3/8					S2B, S29 to Gir Guss.
20	10	3/8					S16 " " "
21							
22							Field Splice
23	225	3/8					Cov. Pls. to Flg. Ls
24	39	3/8					Spl. Pls. to Bot Flg. Ls to Guss Pls.
25	235	3/8					Cov. Pls. to Flg. Ls
26	19	3/8					" " Bot. Flg. Ls to Guss Pls.
27	232	3/8					Spl. Pls. to Flg. Ls to web
28	4	3/8					Guss Pls. to G1
29	8	3/8					" " " " to Stiffs.
30	504	3/8					Spl. Pls. to web
31	72	3/8					" " " " to Stiffs
32							
33							
34	4	3/8					Fascia I to BR7 (Div 2)
35	24	3/8					" " BR7 (Div 2)
36							
37	6	DF					Gir. to Pedestal & Piers
38	6	DF					"
39	2	DF					"
40	2	DF					"
41	16	DF					"
42							
43							
44	48	3/8					G1B to G4B, G1D to G4D
45	24	3/8					G1B to G4B, G1D to G4D
46	24	3/8					G2B to G3B, G2D to G3D

0 1 2 3 4 5 INCHES

ERECTORS LIST
FIELD RIVETS AND BOLTS
AMERICAN BRIDGE

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS	GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
			LENGTH UNDER HEAD	HEAD	NUT	WASHER	
1	8	3/8	2 5/8				PLATES TO GIRDER G2D
2	6	3/8	2 5/8				pd 201 G2D
3	12	3/8	2 5/8				pf 201 G2D
4	8	3/8	2 5/8				"
5	8	3/8	2 5/8				pk 201 G2D
6	8	3/8	2 5/8				pt 201 G2D
7	8	3/8	2 5/8				pr 201 G2D
8	7	3/8	2 5/8				pbd 201 G2D
9	9	3/4	3 1/2				pag 201 G2D
10	3	4	4 1/2				"
11	6	3/8	2 5/8				hm 201 G2D
12	6	3/8	2 5/8				hm 201 G2D
13	14	4 1/2	5 1/2				pa G2D
14	8	4 1/2	5 1/2				hfr G2D
15	2	4 1/2	5 1/2				"
16	12	4 1/2	5 1/2				hc G2D
17	2	4 1/2	5 1/2				"
18	4	4 1/2	5 1/2				ph G2D
19	12	3 1/2	4 1/2				"
20	9	4	4 1/2				kg 201 G2D
21							PLATES TO GIRDER G3D
22	2	2 1/2	3 1/2				pa 201 G3D
23	6	2 1/2	3 1/2				pf 201 G3D
24	12	3 1/2	4 1/2				"
25	4	2 1/2	3 1/2				pm 201 G3D
26	4	3 1/2	4 1/2				"
27	8	3 1/2	4 1/2				pp 201 G3D
28	8	3 1/2	4 1/2				py 201 G3D
29	7	3 1/2	4 1/2				pbd 201 G3D
30	12	4	4 1/2				pac 201 G3D
31	6	3 1/2	4 1/2				hm 201 G3D
32	14	4 1/2	5 1/2				pd G3D
33	8	4 1/2	5 1/2				hl G3D
34	2	4 1/2	5 1/2				"
35	16	4 1/2	5 1/2				pg G3D
36	9	4	4 1/2				kg 201 G3D
37	15	2 1/2	3 1/2				pa 101 G3D
38	6	2 1/2	3 1/2				"
39	12	4 1/2	5 1/2				hb G4D to Girder G4D
40	2	4 1/2	5 1/2				"
41	24	4 1/2	5 1/2				Field Rivets Both Flg G1D, G2D
42	12	4 1/2	5 1/2				Field Rivets Both Flg G2D
43	12	4 1/2	5 1/2				Field Rivets Both Flg G3D
44	28	2 1/2	3 1/2				Field Rivets Top Flg G1D, G4D
45	4	3 1/2	4 1/2				"
46	4	3 1/2	4 1/2				"

ERECTORS LIST
FIELD RIVETS AND BOLTS
AMERICAN BRIDGE

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS	GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
			LENGTH UNDER HEAD	HEAD	NUT	WASHER	
1	6	3/8	2 5/8				PLATES TO G2E
2	8	3/8	2 5/8				pa 101 G2E
3	7	3/8	2 5/8				pt 101 G2E
4	11	3/8	2 5/8				pd 101 G2E
5	8	3/8	2 5/8				"
6	8	3/8	2 5/8				ph 101 G2E
7	5	3/8	2 5/8				pp 101 G2E
8	3	3/8	2 5/8				py 101 G2E
9	6	3/8	2 5/8				"
10	13	3/8	2 5/8				hb 101 G2E
11	6	3/8	2 5/8				pf G2E
12	2	4 1/2	5 1/2				hp 101 G2E
13	10	3 1/2	4 1/2				"
14	10	3 1/2	4 1/2				hh 101 G2E
15	12	3 1/2	4 1/2				"
16	6	3 1/2	4 1/2				ph G2E
17	6	3 1/2	4 1/2				hm 101 G2E
18	9	3 1/2	4 1/2				kg 101 G2E
19							PLATES TO G3E
20	6	2 1/2	3 1/2				pa 101 G3E
21	8	2 1/2	3 1/2				pc 101 G3E
22	7	3 1/2	4 1/2				pd 101 G3E
23	11	3 1/2	4 1/2				"
24	8	3 1/2	4 1/2				pk 101 G3E
25	8	3 1/2	4 1/2				pm 101 G3E
26	8	3 1/2	4 1/2				pbb 101 G3E
27	6	3 1/2	4 1/2				hb 101 G3E
28	5	3 1/2	4 1/2				pb G3E
29	7	3 1/2	4 1/2				"
30	6	3 1/2	4 1/2				hp 101 G3E
31	2	4 1/2	5 1/2				"
32	10	3 1/2	4 1/2				hh 101 G3E
33	2	4 1/2	5 1/2				"
34	12	3 1/2	4 1/2				pk G3E
35	6	3 1/2	4 1/2				hm 101 G3E
36	9	3 1/2	4 1/2				kg 101 G3E
37	18	2 1/2	3 1/2				pa 101 G3E
38	6	2 1/2	3 1/2				"
39	36	3 1/2	4 1/2				Field Rivets Both Flg G1E, G3E, G4E
40	6	3 1/2	4 1/2				Field Rivets Both Flg G2E
41	32	2 1/2	3 1/2				Field Rivets Top Flg All Girders
42	16	3 1/2	4 1/2				"
43	16	3 1/2	4 1/2				"

ERECTORS LIST
FIELD RIVETS AND BOLTS
AMERICAN BRIDGE

LINE NO.	NO. PCS.	DIAM.	RIVETS	BOLTS	GRIP	THICKNESS OF MATERIAL CONNECTED	LOCATION
			LENGTH UNDER HEAD	HEAD	NUT	WASHER	
1							WASHER
2	8	3/8	2 5/8				
3	64	3/8	2 5/8				ED3 to BRG to C/P/E
4							" C/P/E
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							

0 1 2 3 4 5 INCHES

UNITED STATES STEEL COMPANY

40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60											
FIELD RIVETS AND BOLTS																															
DIV. 5 - LATERAL PLATES TO GIRDERS												NAME		DATE		DRAWINGS		IN CHARGE OF		SHEET No.											
												FEL				TRENKLE		MACK'S		EF502											
																PUBLICATION		ORDER No.													
												L E M O O E		REVISED		PMBRIDGE		Q450													
BANGOR - BREWER BRIDGE												NAME OF STRUCTURE										BANGOR, MAINE									

© 2006 Pearson Education, Inc.

FIELD RIVETS AND BOLTS

NAME

DATE

</

ENVIRONMENTAL MONITORING AND ASSESSMENT

DIV 4 FIELD RIVETS AND BOLTS LATERAL PLATES TO GIRDERS	NAME	DATE								DRAWINGS TRENOW VERIFICATION P. HARRIDGE	IN CHARGE OF HARRIS ORDER No. Q4150	SHEET No. EF40
	FEL											
NAME OF STRUCTURE BANGOR - BREWER BRIDGE										BANGOR, MAINE		

