

SHIP		BILL OF MATERIAL				DWG. NO. 960-S7B	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DED.	REMARKS
A	10		7x1/4	0 7			
B	10		7x1/4	0 7			
C	20		7x1/4	0 7			
S31	1		36 WF 230	85 0 1/2	21 #		A-373
S32	1		DO	85 0 1/2	21 #		A-373
S33	1		DO	85 0 1/2	21 #		A-373
S34	1		DO	85 0 1/2	21 #		A-373
S35	1		DO	85 0 1/2	21 #		A-373
Field	96		5/8" Bnlts	0 2			
2	CPI		R15x1 1/2	54 0	90 #		A-373
3	CP2		R15x1 1/4	55 6	166 #		A-373
5	D1		R6x1 1/2	2 6			
8	D2		DO	2 6			
8	D3		DO	2 6			
8	D4		DO	2 6			
4	D5		DO	1 6			
4	D6		DO	1 6			
4	D7		DO	1 6			
4	D8		DO	1 6			
D1	2		12x30	6 11 1/2	12 #		
D2	2		DO	6 11 1/2	12 #		
D3	2		DO	6 11 3/4	12 #		
D4	2		DO	6 11 3/4	12 #		
D5	8		12x40.7	6 11 1/2			
D6	8		DO	6 11 1/2			
RT1	2		R8x1	8 2 1/4			
RT2	2		DO	8 2 1/4			
RT3	4		DO	7 6			
ST1	2		R6x1	1 4	9 #		
ST2	2		DO	1 4	9 #		
2	Q1		6x6x3/4	8 2 1/4			
2	Q2		DO	8 2 1/4			
4	Q3		DO	7 6			
36	PO		R2 1/2 x 3/8	0 7			
2	pb		R6x1	0 9 1/2	10 #		
2	pc		DO	0 9 1/2	10 #		
12	bi		FB2 1/2 x 1/2	1 2			
Shop 3/8" Fillet weld				239 #			

No camber in beams req'd any natural camber to be placed up.

SHOP CONNECTIONS: Welded

FIELD CONNECTIONS: Welded - 5/8" Temporary Erection bolts.

HOLES:

PAINT: Per State of Maine Specs. and as noted.

DRAWN	
REVISION	
REVISION	
REVISION	

STINGER DETAILS SPAN 10	
Bancroft & Martin Rolling Mills Company	
South Portland 7, Maine	
INTERSTATE # 95 OVER	
MESSALONKEE STREAM	
WATERVILLE, MAINE	
CUSTOMER	CIANCHETTE BROTHERS
DESIGNER	THE CLARKESON ENGR. CO.
ORDER NO.	VERBAL
DWG. NO.	9-60-S7B

77-136 H

SHIP		BILL OF MATERIAL				DWG. NO. 960-S8B	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DED.	REMARKS
Shim A	10		R 7x1/4	0 7			
Shim B	10		R 7x1/4	0 7			
Shim C	20		R 7x1/4	0 7			
S51	1		36 WF 230	84 10 1/2	9 #		A-373
S52	1		DO	84 10 1/2	9 #		A-373
S53	1		DO	84 10 1/2	9 #		A-373
S54	1		DO	84 10 1/2	9 #		A-373
S55	1		DO	84 10 1/2	9 #		A-373
Field	96		5/8" Bnlts	0 2			
2	CPI		R15x1 1/2	54 0	90 #		A-373
3	CP2		R15x1 1/4	55 6	166 #		A-373
8	D1		R6x1 1/2	2 6			
8	D2		DO	2 6			
8	D3		DO	2 6			
8	D4		DO	2 6			
4	D5		DO	1 6			
4	D6		DO	1 6			
4	D7		DO	1 6			
4	D8		DO	1 6			
D1	2		12x30	6 11 1/2	12 #		
D2	2		DO	6 11 1/2	12 #		
D3	2		DO	6 11 3/4	12 #		
D4	2		DO	6 11 3/4	12 #		
D5	8		12x40.7	6 11 1/2			
D6	8		DO	6 11 1/2			
RT1	2		R8x1	8 2 1/4			
RT2	2		DO	8 2 1/4			
RT3	4		DO	7 6			
ST1	2		R6x1	1 4	9 #		
ST2	2		DO	1 4	9 #		
2	Q1		6x6x3/4	8 2 1/4			
2	Q2		DO	8 2 1/4			
4	Q3		DO	7 6			
36	PO		R2 1/2 x 3/8	0 7			
2	pb		R6x1	0 9 1/2	10 #		
2	pc		DO	0 9 1/2	10 #		
12	bi		FB2 1/2 x 1/2	1 2			
Shop 3/8" Fillet weld				239 #			

No camber in beams req'd any natural camber to be placed up.

SHOP CONNECTIONS: Welded

FIELD CONNECTIONS: Welded - 5/8" Temporary Erection bolts.

HOLES:

PAINT: Per State of Maine Specs. and as noted.

DRAWN	
REVISION	
REVISION	
REVISION	

STINGER DETAILS SPAN 11	
Bancroft & Martin Rolling Mills Company	
South Portland 7, Maine	
INTERSTATE # 95 OVER	
MESSALONKEE STREAM	
WATERVILLE, MAINE	
CUSTOMER	CIANCHETTE BROTHERS
DESIGNER	THE CLARKESON ENGR. CO.
ORDER NO.	VERBAL
DWG. NO.	9-60-S8B

77-136 G

SHIP		BILL OF MATERIAL				DWG. NO. 960-S8A	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DED.	REMARKS
Shim A	5		R 7x1/4	0 7			
Shim B	5		R 7x1/4	0 7			
Shim C	10		R 7x1/4	0 7			
S36	1		36 WF 230	85 0 1/2	25 #		A-373
S37	1		DO	85 0 1/2	25 #		A-373
S38	1		DO	85 0 1/2	25 #		A-373
S39	1		DO	85 0 1/2	25 #		A-373
S40	1		DO	85 0 1/2	25 #		A-373
Field	96		5/8" Bnlts	0 2			
2	CPI		R15x1 1/2	54 0	90 #		A-373
3	CP2		R15x1 1/4	55 6	166 #		A-373
8	D1		R6x1 1/2	2 6			
8	D2		DO	2 6			
8	D3		DO	2 6			
8	D4		DO	2 6			
4	D5		DO	1 6			
4	D6		DO	1 6			
4	D7		DO	1 6			
4	D8		DO	1 6			
D1	2		12x30	6 11 1/2	12 #		
D2	2		DO	6 11 1/2	12 #		
D3	2		DO	6 11 3/4	12 #		
D4	2		DO	6 11 3/4	12 #		
D5	8		12x40.7	6 11 1/2			
D6	8		DO	6 11 1/2			
RT1	1		R8x1	8 2 1/4			
RT2	1		DO	8 2 1/4			
RT3	2		DO	7 6			
ST1	1		R6x1	1 4	5 #		
ST2	1		DO	1 4	5 #		
1	Q1		6x6x3/4	8 2 1/4			
1	Q2		DO	8 2 1/4			
2	Q3		DO	7 6			
18	PO		R2 1/2 x 3/8	0 7			
1	pb		R6x1	0 9 1/2	5 #		
1	pc		DO	0 9 1/2	5 #		
6	bi		FB2 1/2 x 1/2	1 2			
Shop 3/8" Fillet weld				239 #			

No camber in beams req'd any natural camber to be placed up.

SHOP CONNECTIONS: Welded

FIELD CONNECTIONS: Welded - 5/8" Temporary Erection bolts.

HOLES:

PAINT: Per State of Maine Specs. and as noted.

DRAWN	
REVISION	
REVISION	
REVISION	

STINGER DETAILS SPAN 11	
Bancroft & Martin Rolling Mills Company	
South Portland 7, Maine	
INTERSTATE # 95 OVER	
MESSALONKEE STREAM	
WATERVILLE, MAINE	
CUSTOMER	CIANCHETTE BROTHERS
DESIGNER	THE CLARKESON ENGR. CO.
ORDER NO.	VERBAL
DWG. NO.	9-60-S8A

77-136 F

SHIP		BILL OF MATERIAL				DWG. NO. 960-S7A	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DED.	REMARKS
Shim A	2		7x1/4	0 7			
Shim B	2		7x1/4	0 7			
Shim C	20		7x1/4	0 7			
S36	1		36 WF 230	85 0 1/2	25 #		A-373
S37	1		DO	85 0 1/2	25 #		A-373
S38	1		DO	85 0 1/2	25 #		A-373
S39	1		DO	85 0 1/2	25 #		A-373
S40	1		DO	85 0 1/2	25 #		A-373
Field	96		5/8" Bnlts	0 2			
2	CPI		R15x1 1/2	54 0	90 #		A-373
3	CP2		R15x1 1/4	55 6	166 #		A-373
5	D1		R6x1 1/2	2 6			
8	D2		DO	2 6			
8	D3		DO	2 6			
8	D4		DO	2 6			
5	D5		DO	2 6			
4	D6		DO	1 6			
4	D7		DO	1 6			
4	D8		DO	1 6			
D1	2		12x30	6 11 1/2	12 #		
D2	2		DO	6 11 1/2	12 #		
D3	2		DO	6 11 3/4	12 #		
D4	2		DO	6 11 3/4	12 #		
D5	8		12x40.7	6 11 1/2			
D6	8		DO	6 11 1/2			
RT1	2		R8x1	8 2 1/4			
RT2	2		DO	8 2 1/4			
RT3	4		DO	7 6			
ST1	2		R6x1	1 4	9 #		
ST2	2		DO	1 4	9 #		
2	Q1		6x6x3/4	8 2 1/4			
2	Q2		DO	8 2 1/4			
4	Q3		DO	7 6			
36	PO		R2 1/2 x 3/8	0 7			
2	pb		R6x1	0 9 1/2	10 #		
2	pc		DO	0 9 1/2	10 #		
12	bi		FB2 1/2 x 1/2	1 2			
Shop 3/8" Fillet weld				239 #			

No camber in beams req'd any natural camber to be placed up.

SHOP CONNECTIONS: Welded

FIELD CONNECTIONS: Welded - 5/8" Temporary Erection bolts.

HOLES:

PAINT: Per State of Maine Specs. and as noted.

DRAWN	
REVISION	
REVISION	
REVISION	

STINGER DETAILS SPAN 11	
Bancroft & Martin Rolling Mills Company	
South Portland 7, Maine	
INTERSTATE # 95 OVER	
MESSALONKEE STREAM	
WATERVILLE, MAINE	
CUSTOMER	CIANCHETTE BROTHERS
DESIGNER	THE CLARKESON ENGR. CO.
ORDER NO.	VERBAL
DWG. NO.	9-60-S7A

77-136 E

SHIP BILL OF MATERIAL DWG. NO. 960-55B									
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DED.	REMARKS		
Shim A	10		R 7x 1/4	0 7					
Shim B	10		R 7x 1/4	0 7					
Shim C	20		R 7x 1/4	0 7					
S16	1		36 WF 230	84 11/2	14 #		A-373		
S17	1		DO	84 11/2	14 #		A-373		
S18	1		DO	84 11/2	14 #		A-373		
S19	1		DO	84 11/2	14 #		A-373		
S20	1		DO	84 11/2	14 #		A-373		
Field	96		3/8" Bolts	0 2					
2	CP1		R 15x 1 1/4	54 0	90 #		A-373		
3	CP2		R 15x 1 1/4	55 6	166 #		A-373		
5	D1		R 6x 1/2	2 6					
8	D2		DO	2 6					
8	D3		DO	2 6					
8	D4		DO	2 6					
4	D5		DO	1 6					
4	D6		DO	1 6					
4	D7		DO	1 6					
4	D8		DO	1 6					
2	D1		12 C 30	6 11/2	12 #				
2	D2		DO	6 11/2	12 #				
2	D3		DO	6 11/2	12 #				
2	D4		DO	6 11/2	12 #				
2	D5		15 E 40.7	6 11/2	12 #				
2	D6		DO	6 11/2	12 #				
RT1	2		R 8x 1	8 2 1/4					
RT2	2		DO	8 2 1/4					
RT3	4		DO	7 6					
ST1	2		R 6x 1	1 4	9 #				
ST2	2		DO	1 4	9 #				
2	Q1		16x6x3/4	8 2 1/4					
2	Q2		DO	8 2 1/4					
2	Q3		DO	7 6					
36	pb		R 2 1/2 x 3/8	0 7					
2	pb		R 6x 1	0 9 1/4	10 #				
2	pc		DO	0 9 1/4	10 #				
12	bi		FB 2 1/2 x 1/2	1 2					
Shop 3/8 fillet weld				239 #/ft					

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded 1-5/8" Temporary
Etc. from bolts.
HOLES:
PAINT: Per State of Maine Specs.
and as noted

STEINGER DETAILS SPAN 7	
Bancroft & Martin Rolling Mills Company South Portland 7, Maine	
INTERSTATE # 95 OVER MESSALONSKEE STREAM WATERVILLE, MAINE	
CUSTOMER	CIANCHETTE BROTHERS
DESIGNER	THE CLARKSON ENGR CO.
ORDER NO.	VERBAL
DWG. NO.	9-60-55B

77-136 L V6

SHIP BILL OF MATERIAL DWG. NO. 960-56A									
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DED.	REMARKS		
Shim A	10		R 7x 1/4	0 7					
Shim B	10		R 7x 1/4	0 7					
Shim C	20		R 7x 1/4	0 7					
S21	1		36 WF 230	84 11/2	14 #		A-373		
S22	1		DO	84 11/2	14 #		A-373		
S23	1		DO	84 11/2	14 #		A-373		
S24	1		DO	84 11/2	14 #		A-373		
S25	1		DO	84 11/2	14 #		A-373		
Field	96		3/8" Bolts	0 2					
2	CP1		R 15x 1 1/4	54 0	90 #		A-373		
3	CP2		R 15x 1 1/4	55 6	166 #		A-373		
8	D1		R 6x 1/2	2 6					
8	D2		DO	2 6					
8	D3		DO	2 6					
8	D4		DO	2 6					
4	D5		DO	1 6					
4	D6		DO	1 6					
4	D7		DO	1 6					
4	D8		DO	1 6					
2	D1		12 C 30	6 11/2	12 #				
2	D2		DO	6 11/2	12 #				
2	D3		DO	6 11/2	12 #				
2	D4		DO	6 11/2	12 #				
2	D5		15 E 40.7	6 11/2	12 #				
2	D6		DO	6 11/2	12 #				
RT1	2		R 8x 1	8 2 1/4					
RT2	2		DO	8 2 1/4					
RT3	4		DO	7 6					
ST1	2		R 6x 1	1 4	9 #				
ST2	2		DO	1 4	9 #				
2	Q1		16x6x3/4	8 2 1/4					
2	Q2		DO	8 2 1/4					
2	Q3		DO	7 6					
36	pb		R 2 1/2 x 3/8	0 7					
2	pb		R 6x 1	0 9 1/4	10 #				
2	pc		DO	0 9 1/4	10 #				
12	bi		FB 2 1/2 x 1/2	1 2					
Shop 3/8 fillet weld				239 #/ft					

No camber in beams req'd. any natural camber to be placed up.

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded 1-5/8" Temporary
Etc. from bolts.
HOLES:
PAINT: Per State of Maine Specs.
and as noted

STEINGER DETAILS SPAN 8	
Bancroft & Martin Rolling Mills Company South Portland 7, Maine	
INTERSTATE # 95 OVER MESSALONSKEE STREAM WATERVILLE, MAINE	
CUSTOMER	CIANCHETTE BROTHERS
DESIGNER	THE CLARKSON ENGR CO.
ORDER NO.	VERBAL
DWG. NO.	9-60-56A

77-136 K V6

SHIP BILL OF MATERIAL DWG. NO. 960-56B									
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DED.	REMARKS		
Shim A	10		R 7x 1/4	0 7					
Shim B	10		R 7x 1/4	0 7					
Shim C	20		R 7x 1/4	0 7					
S61	1		36 WF 230	84 11/2	14 #		A-373		
S62	1		DO	84 11/2	14 #		A-373		
S63	1		DO	84 11/2	14 #		A-373		
S64	1		DO	84 11/2	14 #		A-373		
S65	1		DO	84 11/2	14 #		A-373		
Field	96		3/8" Bolts	0 2					
2	CP1		R 15x 1 1/4	54 0	90 #		A-373		
3	CP2		R 15x 1 1/4	55 6	166 #		A-373		
8	D1		R 6x 1/2	2 6					
8	D2		DO	2 6					
8	D3		DO	2 6					
8	D4		DO	2 6					
4	D5		DO	1 6					
4	D6		DO	1 6					
4	D7		DO	1 6					
4	D8		DO	1 6					
2	D1		12 C 30	6 11/2	12 #				
2	D2		DO	6 11/2	12 #				
2	D3		DO	6 11/2	12 #				
2	D4		DO	6 11/2	12 #				
2	D5		15 E 40.7	6 11/2	12 #				
2	D6		DO	6 11/2	12 #				
RT1	2		R 8x 1	8 2 1/4					
RT2	2		DO	8 2 1/4					
RT3	4		DO	7 6					
ST1	2		R 6x 1	1 4	9 #				
ST2	2		DO	1 4	9 #				
2	Q1		16x6x3/4	8 2 1/4					
2	Q2		DO	8 2 1/4					
2	Q3		DO	7 6					
36	pb		R 2 1/2 x 3/8	0 7					
2	pb		R 6x 1	0 9 1/4	10 #				
2	pc		DO	0 9 1/4	10 #				
12	bi		FB 2 1/2 x 1/2	1 2					
Shop 3/8 fillet weld				239 #/ft					

No camber in beams req'd. any natural camber to be placed up.

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded 1-5/8" Temporary
Etc. from bolts.
HOLES:
PAINT: Per State of Maine Specs.
and as noted

STEINGER DETAILS SPAN 9	
Bancroft & Martin Rolling Mills Company South Portland 7, Maine	
INTERSTATE # 95 OVER MESSALONSKEE STREAM WATERVILLE, MAINE	
CUSTOMER	CIANCHETTE BROTHERS
DESIGNER	THE CLARKSON ENGR CO.
ORDER NO.	VERBAL
DWG. NO.	9-60-56B

77-136 J V6

SHIP			BILL OF MATERIAL			DWG. NO. 960-56C	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DED.	REMARKS
S70	1		WF 230	84 1/2		14 #	A-373
S71	1		DO	84 1/2			A-373
S72	1		DO	84 1/2			A-373
S73	1		DO	84 1/2			A-373
S74	1		DO	84 1/2			A-373
S75	1		DO	84 1/2			A-373
S76	1		DO	84 1/2			A-373
S77	1		DO	84 1/2			A-373
S78	1		DO	84 1/2			A-373
S79	1		DO	84 1/2			A-373
S80	1		DO	84 1/2			A-373
S81	1		DO	84 1/2			A-373
S82	1		DO	84 1/2			A-373
S83	1		DO	84 1/2			A-373
S84	1		DO	84 1/2			A-373
S85	1		DO	84 1/2			A-373
S86	1		DO	84 1/2			A-373
S87	1		DO	84 1/2			A-373
S88	1		DO	84 1/2			A-373
S89	1		DO	84 1/2			A-373
S90	1		DO	84 1/2			A-373
S91	1		DO	84 1/2			A-373
S92	1		DO	84 1/2			A-373
S93	1		DO	84 1/2			A-373
S94	1		DO	84 1/2			A-373
S95	1		DO	84 1/2			A-373
S96	1		DO	84 1/2			A-373
S97	1		DO	84 1/2			A-373
S98	1		DO	84 1/2			A-373
S99	1		DO	84 1/2			A-373
S100	1		DO	84 1/2			A-373
S101	1		DO	84 1/2			A-373
S102	1		DO	84 1/2			A-373
S103	1		DO	84 1/2			A-373
S104	1		DO	84 1/2			A-373
S105	1		DO	84 1/2			A-373
S106	1		DO	84 1/2			A-373
S107	1		DO	84 1/2			A-373
S108	1		DO	84 1/2			A-373
S109	1		DO	84 1/2			A-373
S110	1		DO	84 1/2			A-373
S111	1		DO	84 1/2			A-373
S112	1		DO	84 1/2			A-373
S113	1		DO	84 1/2			A-373
S114	1		DO	84 1/2			A-373
S115	1		DO	84 1/2			A-373
S116	1		DO	84 1/2			A-373
S117	1		DO	84 1/2			A-373
S118	1		DO	84 1/2			A-373
S119	1		DO	84 1/2			A-373
S120	1		DO	84 1/2			A-373
S121	1		DO	84 1/2			A-373
S122	1		DO	84 1/2			A-373
S123	1		DO	84 1/2			A-373
S124	1		DO	84 1/2			A-373
S125	1		DO	84 1/2			A-373
S126	1		DO	84 1/2			A-373
S127	1		DO	84 1/2			A-373
S128	1		DO	84 1/2			A-373
S129	1		DO	84 1/2			A-373
S130	1		DO	84 1/2			A-373
S131	1		DO	84 1/2			A-373
S132	1		DO	84 1/2			A-373
S133	1		DO	84 1/2			A-373
S134	1		DO	84 1/2			A-373
S135	1		DO	84 1/2			A-373
S136	1		DO	84 1/2			A-373
S137	1		DO	84 1/2			A-373
S138	1		DO	84 1/2			A-373
S139	1		DO	84 1/2			A-373
S140	1		DO	84 1/2			A-373
S141	1		DO	84 1/2			A-373
S142	1		DO	84 1/2			A-373
S143	1		DO	84 1/2			A-373
S144	1		DO	84 1/2			A-373
S145	1		DO	84 1/2			A-373
S146	1		DO	84 1/2			A-373
S147	1		DO	84 1/2			A-373
S148	1		DO	84 1/2			A-373
S149	1		DO	84 1/2			A-373
S150	1		DO	84 1/2			A-373
S151	1		DO	84 1/2			A-373
S152	1		DO	84 1/2			A-373
S153	1		DO	84 1/2			A-373
S154	1		DO	84 1/2			A-373
S155	1		DO	84 1/2			A-373
S156	1		DO	84 1/2			A-373
S157	1		DO	84 1/2			A-373
S158	1		DO	84 1/2			A-373
S159	1		DO	84 1/2			A-373
S160	1		DO	84 1/2			A-373
S161	1		DO	84 1/2			A-373
S162	1		DO	84 1/2			A-373
S163	1		DO	84 1/2			A-373
S164	1		DO	84 1/2			A-373
S165	1		DO	84 1/2			A-373
S166	1		DO	84 1/2			A-373
S167	1		DO	84 1/2			A-373
S168	1		DO	84 1/2			A-373
S169	1		DO	84 1/2			A-373
S170	1		DO	84 1/2			A-373
S171	1		DO	84 1/2			A-373
S172	1		DO	84 1/2			A-373
S173	1		DO	84 1/2			A-373
S174	1		DO	84 1/2			A-373
S175	1		DO	84 1/2			A-373
S176	1		DO	84 1/2			A-373
S177	1		DO	84 1/2			A-373
S178	1		DO	84 1/2			A-373
S179	1		DO	84 1/2			A-373
S180	1		DO	84 1/2			A-373
S181	1		DO	84 1/2			A-373
S182	1		DO	84 1/2			A-373
S183	1		DO	84 1/2			A-373
S184	1		DO	84 1/2			A-373
S185	1		DO	84 1/2			A-373
S186	1		DO	84 1/2			A-373
S187	1		DO	84 1/2			A-373
S188	1		DO	84 1/2			A-373
S189	1		DO	84 1/2			A-373
S190	1		DO	84 1/2			A-373
S191	1		DO	84 1/2			A-373
S192	1		DO	84 1/2			A-373
S193	1		DO	84 1/2			A-373
S194	1		DO	84 1/2			A-373
S195	1		DO	84 1/2			A-373
S196	1		DO	84 1/2			A-373
S197	1		DO	84 1/2			A-373
S198	1		DO	84 1/2			A-373
S199	1		DO	84 1/2			A-373
S200	1		DO	84 1/2			A-373
S201	1		DO	84 1/2			A-373
S202	1		DO	84 1/2			A-373
S203	1		DO	84 1/2			A-373
S204	1		DO	84 1/2			A-373
S205	1		DO	84 1/2			A-373
S206	1		DO	84 1/2			A-373
S207	1		DO	84 1/2			A-373
S208	1		DO	84 1/2			A-373
S209	1		DO	84 1/2			A-373
S210	1		DO	84 1/2			A-373
S211	1		DO	84 1/2			A-373
S212	1		DO	84 1/2			A-373
S213	1		DO	84 1/2			A-373
S214	1		DO	84 1/2			A-373
S215	1		DO	84 1/2			A-373
S216	1		DO	84 1/2			A-373
S217	1		DO	84 1/2			A-373
S218	1		DO	84 1/2			A-373
S219	1		DO	84 1/2			A-373
S220	1		DO	84 1/2			A-373
S221	1		DO	84 1/2			A-373
S222	1		DO	84 1/2			A-373
S223	1		DO	84 1/2			A-373
S224	1		DO	84 1/2			A-373
S225	1		DO	84 1/2			A-373
S226	1		DO	84 1/2			A-373
S227	1		DO	84 1/2			A-373
S228	1		DO	84 1/2			A-373
S229	1		DO	84 1/2			A-373
S230	1		DO	84 1/2			A-373
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S235	1		DO	84 1/2			A-373
S236	1		DO	84 1/2			A-373
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S244	1		DO	84 1/2			A-373
S245	1		DO	84 1/2			A-373
S246	1		DO	84 1/2			A-373
S247	1		DO	84 1/2			A-373
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S251	1		DO	84 1/2			A-373
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S257	1		DO	84 1/2			A-373
S258	1		DO	84 1/2			A-373
S259	1		DO	84 1/2			A-373
S260	1		DO	84 1/2			A-373
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S262	1		DO	84 1/2			A-373
S263	1		DO	84 1/2			A-373
S264	1		DO	84 1/2			A-373
S265	1		DO	84 1/2			A-373
S266	1		DO	84 1/2			A-373
S267	1		DO	84 1/2			A-373
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S269	1		DO	84 1/2			A-373
S270	1		DO	84 1/2			A-373
S271	1		DO	84 1/2			A-373
S272	1		DO	84 1/2			A-373
S273	1		DO	84 1/2			A-373
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S278	1		DO	84 1/2			A-373
S279	1		DO	84 1/2			A-373
S280	1		DO	84 1/2			A-373
S281	1		DO	84 1/2			A-373
S282	1		DO	84 1/2			A-373
S283	1		DO	84 1/2			A-373
S284	1		DO	84 1/2			A-373
S285	1		DO	84 1/2			A-373
S286	1		DO	84 1/2			A-373
S287	1		DO	84 1/2			A-373
S288	1		DO	84 1/2			A-373
S289	1		DO	84 1/2			

SHIP BILL OF MATERIAL DWG. NO. 960-54B									
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DED.	REMARKS		
Ship A	10		P 7x1/4	0 7					
Ship B	10		P 7x1/4	0 7					
Ship C	20		P 7x1/4	0 7					
S41	1		36 WF 230	85 1/2		5#	A-373		
S42	1		DO	85 1/2		5#	A-373		
S43	1		DO	85 1/2		5#	A-373		
S44	1		DO	85 1/2		5#	A-373		
S45	1		DO	85 1/2		5#	A-373		
Field	96		3/8" dia bolts	0 2					
2	CP1		P 15x1 1/2	54 0		90#	A-373		
3	CP2		P 15x1 1/4	55 6		166#	A-373		
8	P1		P 6x1/2	2 6					
8	P2		DO	2 6					
8	P3		DO	2 6					
8	P4		DO	2 6					
4	P5		DO	1 6					
4	P6		DO	1 6					
4	P7		DO	1 6					
4	P8		DO	1 6					
D1	2		12 C 30	6 11 1/2		12#			
D2	2		DO	6 11 1/2		12#			
D3	2		DO	6 11 1/2		12#			
D4	2		DO	6 11 1/2		12#			
D5	8		12 C 40.7	6 11 1/2		12#			
D6	8		DO	6 11 1/2		12#			
R11	2		P 8x1	8 2 1/2					
R12	2		DO	8 2 1/2					
R13	4		DO	7 6					
S11	2		P 6x1	1 4		9#			
S12	2		DO	1 4		9#			
2	Q1		16x6x3/4	8 2 1/2					
2	Q2		DO	8 2 1/2					
4	Q3		DO	7 6					
36	PA		P 2 1/2x3/8	0 7					
2	PH		P 6x1	0 9 1/2		10#			
2	PC		DO	0 9 1/2		10#			
12	BI		FB 2 1/2x1/2	1 2					
Ship			3/8" dia fillet weld	229 4/11					

No camber in beams req'd any natural camber to be placed up.

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded - 5/8" dia Temporary Erection bolts.
HOLES:
PAINT: Per State of Maine Specs. and as noted.

APPROVED 5-22-59

BRANCOFT & MARTIN ROLLING MILLS COMPANY
South Portland, Maine

INTERSTATE #95 OVER
MESSALONSKEE STREAM
WATERVILLE, MAINE.

CUSTOMER: CIANCHETTE BROTHERS
DESIGNER: THE CLARKSON ENGR CO.

ORDER NO. DWG. NO. 9-60-54B

77-136 P

SHIP BILL OF MATERIAL DWG. NO. 960-54C									
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DED.	REMARKS		
Ship A	10		P 7x1/4	0 7					
Ship B	10		P 7x1/4	0 7					
Ship C	20		P 7x1/4	0 7					
S6	1		36 WF 230	84 10 1/2		9#	A-373		
S7	1		DO	84 10 1/2		9#	A-373		
S8	1		DO	84 10 1/2		9#	A-373		
S9	1		DO	84 10 1/2		9#	A-373		
S10	1		DO	84 10 1/2		9#	A-373		
Field	96		3/8" dia bolts	0 2					
2	CP1		P 15x1 1/2	54 0		90#	A-373		
3	CP2		P 15x1 1/4	55 6		166#	A-373		
8	P1		P 6x1/2	2 6					
8	P2		DO	2 6					
8	P3		DO	2 6					
8	P4		DO	2 6					
4	P5		DO	1 6					
4	P6		DO	1 6					
4	P7		DO	1 6					
4	P8		DO	1 6					
D1	2		12 C 30	6 11 1/2		12#			
D2	2		DO	6 11 1/2		12#			
D3	2		DO	6 11 1/2		12#			
D4	2		DO	6 11 1/2		12#			
D5	8		12 C 40.7	6 11 1/2		12#			
D6	8		DO	6 11 1/2		12#			
R11	2		P 8x1	8 2 1/2					
R12	2		DO	8 2 1/2					
R13	4		DO	7 6					
S11	2		P 6x1	1 4		9#			
S12	2		DO	1 4		9#			
2	Q1		16x6x3/4	8 2 1/2					
2	Q2		DO	8 2 1/2					
4	Q3		DO	7 6					
36	PA		P 2 1/2x3/8	0 7					
2	PH		P 6x1	0 9 1/2		10#			
2	PC		DO	0 9 1/2		10#			
12	BI		FB 2 1/2x1/2	1 2					
Ship			3/8" dia fillet weld	229 4/11					

No camber in beams req'd any natural camber to be placed up.

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded - 5/8" dia Temporary Erection bolts.
HOLES:
PAINT: Per State of Maine Specs. and as noted.

APPROVED 5-22-59

BRANCOFT & MARTIN ROLLING MILLS COMPANY
South Portland, Maine

INTERSTATE #95 OVER
MESSALONSKEE STREAM
WATERVILLE, MAINE.

CUSTOMER: CIANCHETTE BROTHERS
DESIGNER: THE CLARKSON ENGR CO.

ORDER NO. DWG. NO. 9-60-54C

77-136 O

SHIP BILL OF MATERIAL DWG. NO. 960-54D									
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DED.	REMARKS		
Ship A	10		P 7x1/4	0 7					
Ship B	10		P 7x1/4	0 7					
Ship C	20		P 7x1/4	0 7					
S46	1		36 WF 230	84 10 1/2		9#	A-373		
S47	1		DO	84 10 1/2		9#	A-373		
S48	1		DO	84 10 1/2		9#	A-373		
S49	1		DO	84 10 1/2		9#	A-373		
S50	1		DO	84 10 1/2		9#	A-373		
Field	96		3/8" dia bolts	0 2					
2	CP1		P 15x1 1/2	54 0		90#	A-373		
3	CP2		P 15x1 1/4	55 6		166#	A-373		
8	P1		P 6x1/2	2 6					
8	P2		DO	2 6					
8	P3		DO	2 6					
8	P4		DO	2 6					
4	P5		DO	1 6					
4	P6		DO	1 6					
4	P7		DO	1 6					
4	P8		DO	1 6					
D1	2		12 C 30	6 11 1/2		12#			
D2	2		DO	6 11 1/2		12#			
D3	2		DO	6 11 1/2		12#			
D4	2		DO	6 11 1/2		12#			
D5	8		12 C 40.7	6 11 1/2		12#			
D6	8		DO	6 11 1/2		12#			
R11	2		P 8x1	8 2 1/2					
R12	2		DO	8 2 1/2					
R13	4		DO	7 6					
S11	2		P 6x1	1 4		9#			
S12	2		DO	1 4		9#			
2	Q1		16x6x3/4	8 2 1/2					
2	Q2		DO	8 2 1/2					
4	Q3		DO	7 6					
36	PA		P 2 1/2x3/8	0 7					
2	PH		P 6x1	0 9 1/2		10#			
2	PC		DO	0 9 1/2		10#			
12	BI		FB 2 1/2x1/2	1 2					
Ship			3/8" dia fillet weld	229 4/11					

No camber in beams req'd any natural camber to be placed up.

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded - 5/8" dia Temporary Erection bolts.
HOLES:
PAINT: Per State of Maine Specs. and as noted.

APPROVED 5-22-59

BRANCOFT & MARTIN ROLLING MILLS COMPANY
South Portland, Maine

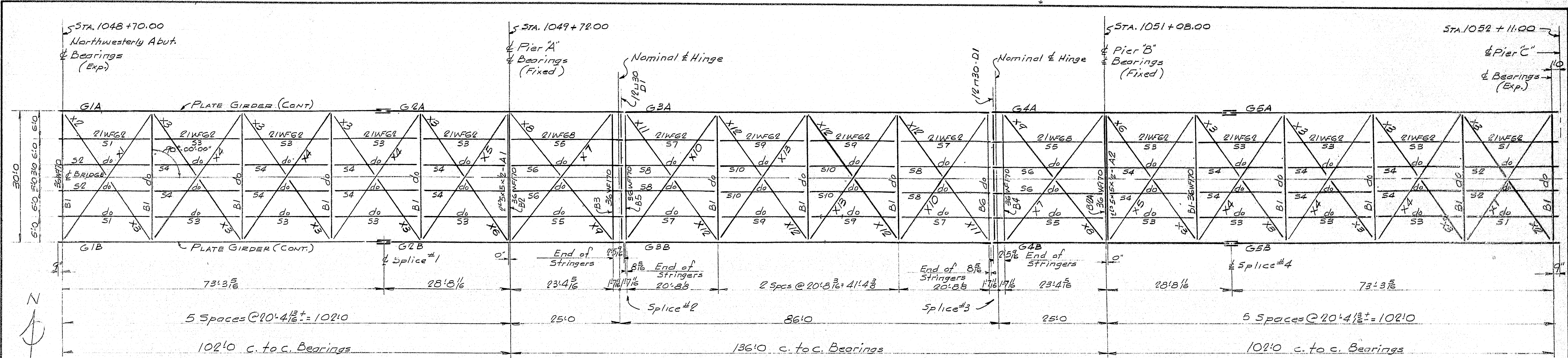
INTERSTATE #95 OVER
MESSALONSKEE STREAM
WATERVILLE, MAINE.

CUSTOMER: CIANCHETTE BROTHERS
DESIGNER: THE CLARKSON ENGR CO.

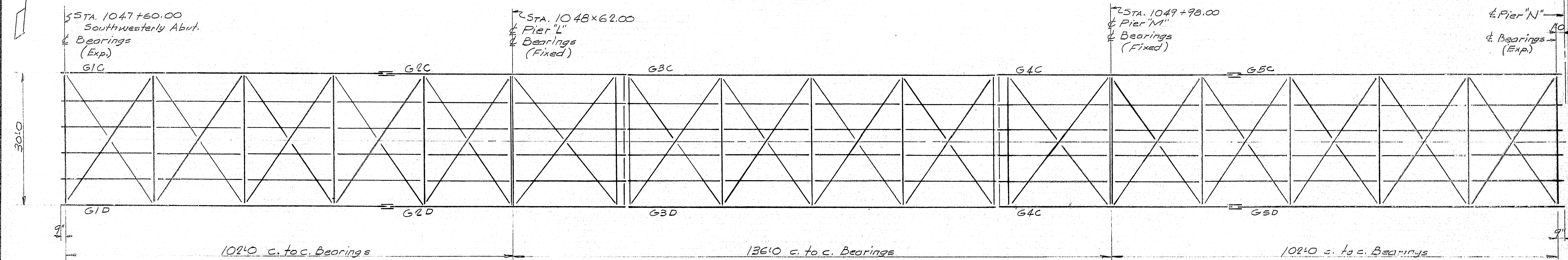
ORDER NO. DWG. NO. 9-60-54D

77-136 N

SHIP		BILL OF MATERIAL			DWG. NO. 960-54E		
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DED.	REMARKS
Ship A			P 7x1/4	0 7			
Ship B			P 7x1/4	0 7			
Ship C			P 7x1/4	0 7			
S11	1		36 WF 230	84 11 1/2		9#	A-373
S12	1		DO	84 11 1/2		9#	A-373
S13	1		DO	84 11 1/2		9#	A-373
S14	1		DO	84 11 1/2		9#	A-373
S15	1		DO	84 11 1/2		9#	A-373
Field	96		3/8" dia bolts	0 2			



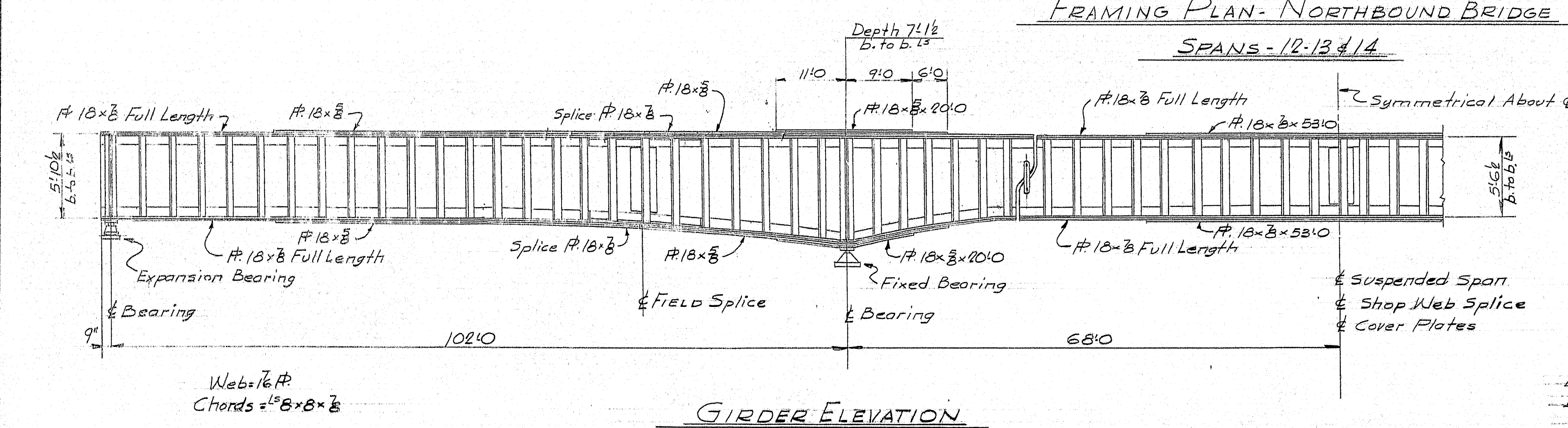
FRAMING PLAN - SOUTHBOUND BRIDGE
SPANS - 1-2 & 3



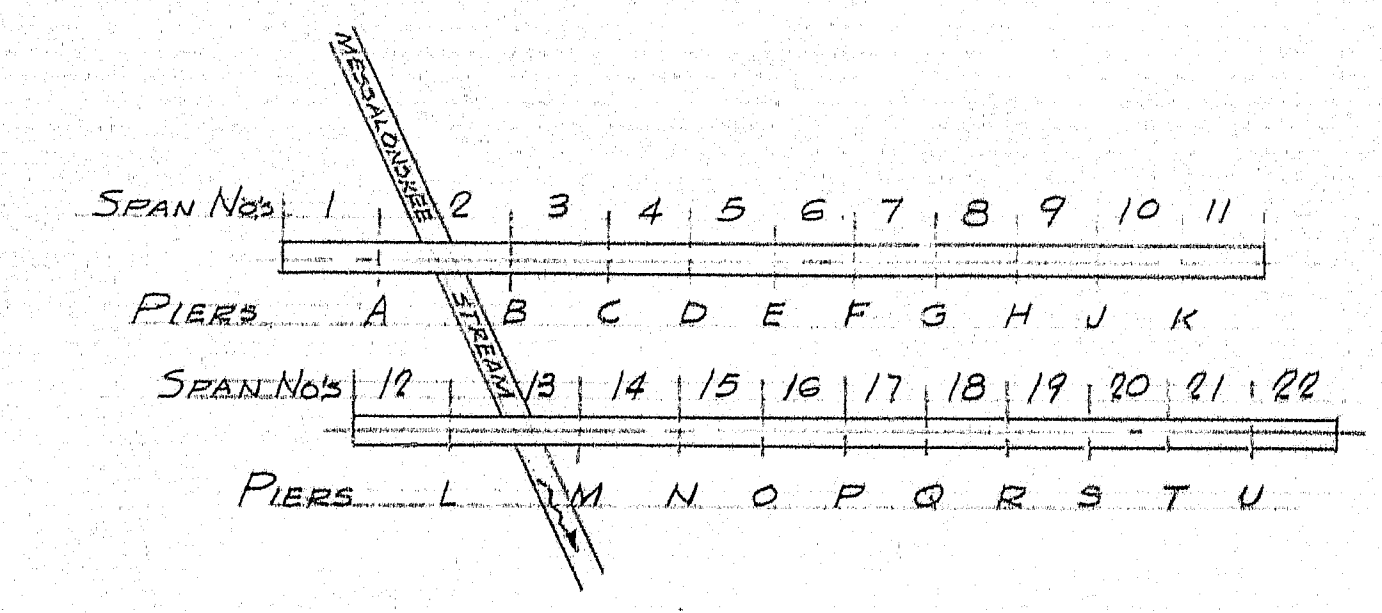
FRAMING PLAN - NORTHBOUND BRIDGE
SPANS - 12-13 & 14

NOTE: For dimensions & size of materials not shown see Framing Plan - Southbound Bridge.

NOTES:
 SHOP CONN: 3" Rivets
 FIELD CONN: 3" H.S. Bolts
 PAINT: Pe. State of Maine Specifications



GIRDER ELEVATION



KEY PLAN

APPROXIMATE WEIGHTS TO BE MARKED ON GIRDERS
 G1 & G5 - 22 TONS
 G2 & G4 - 17 TONS
 G3 - 25 TONS

DRAWN	4.4.59 JFF
REVISION	9.20.59 JFF
REVISION	
REVISION	

APR 20 1959

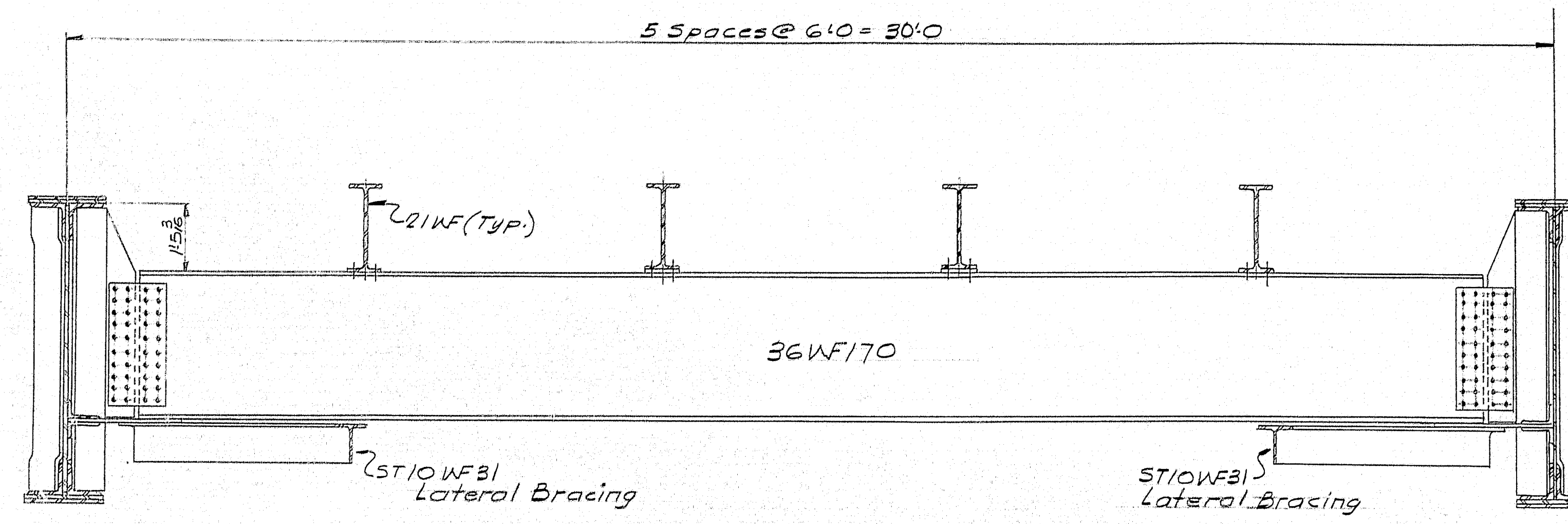
FRAMING PLANS - SPANS 1-2 & 3, 12-13 & 14

Bancroft & Martin Rollings Mills Company
 South Portland 1, Maine

INTERSTATE #95 - OVER MESSALONSKEE STREAM, WATERVILLE, MAINE

CUSTOMER **CIANCHETTE BROS.**
 DESIGNER **THE CLARKSON ENGR. CO.**

ORDER NO. **VERBAL** DWG. NO. **9-60-EI**

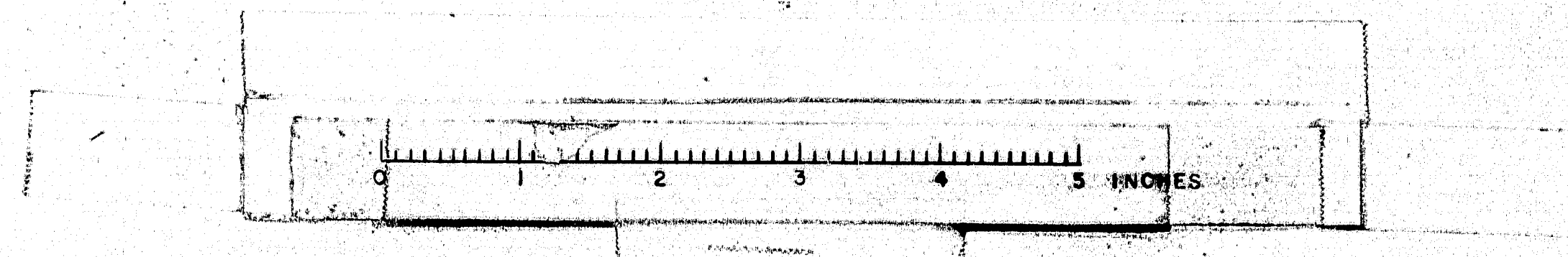


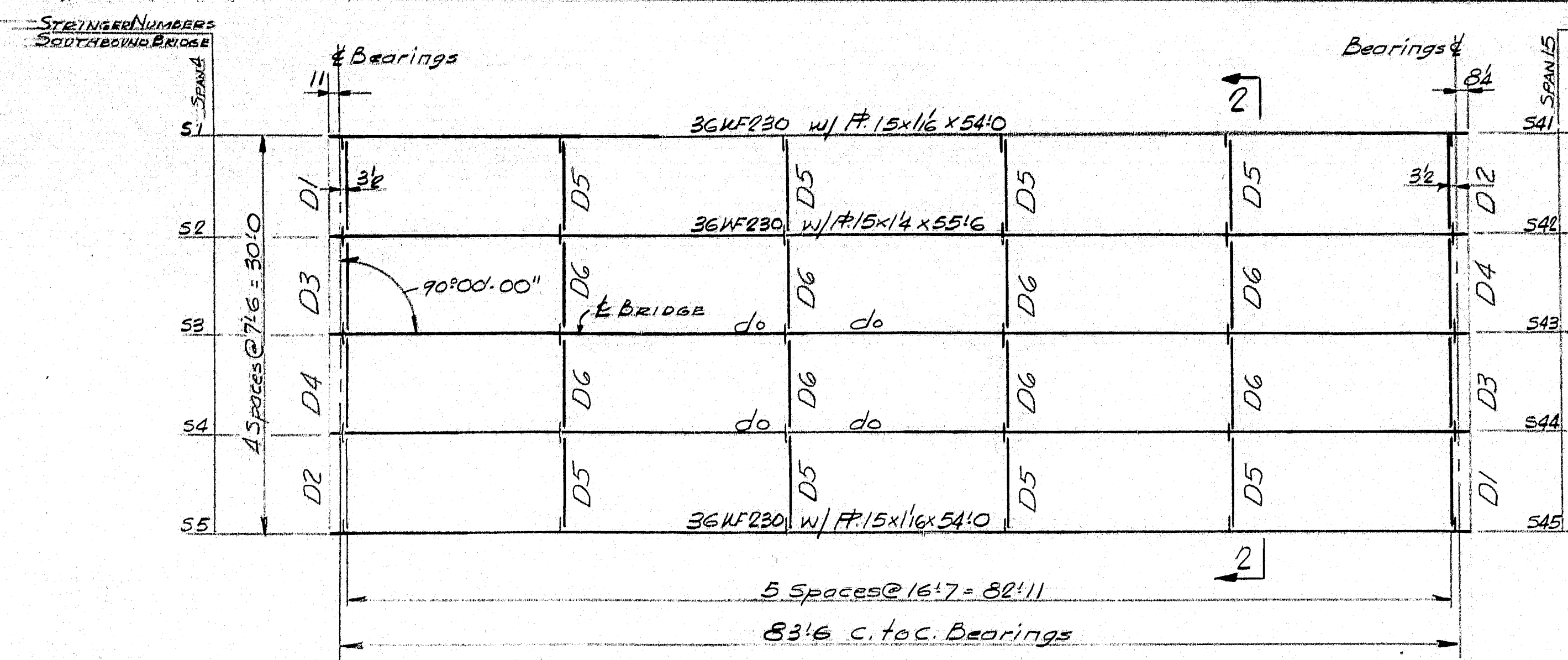
SECTION 1-1

NOTES:
See DWG. 9-60-E1

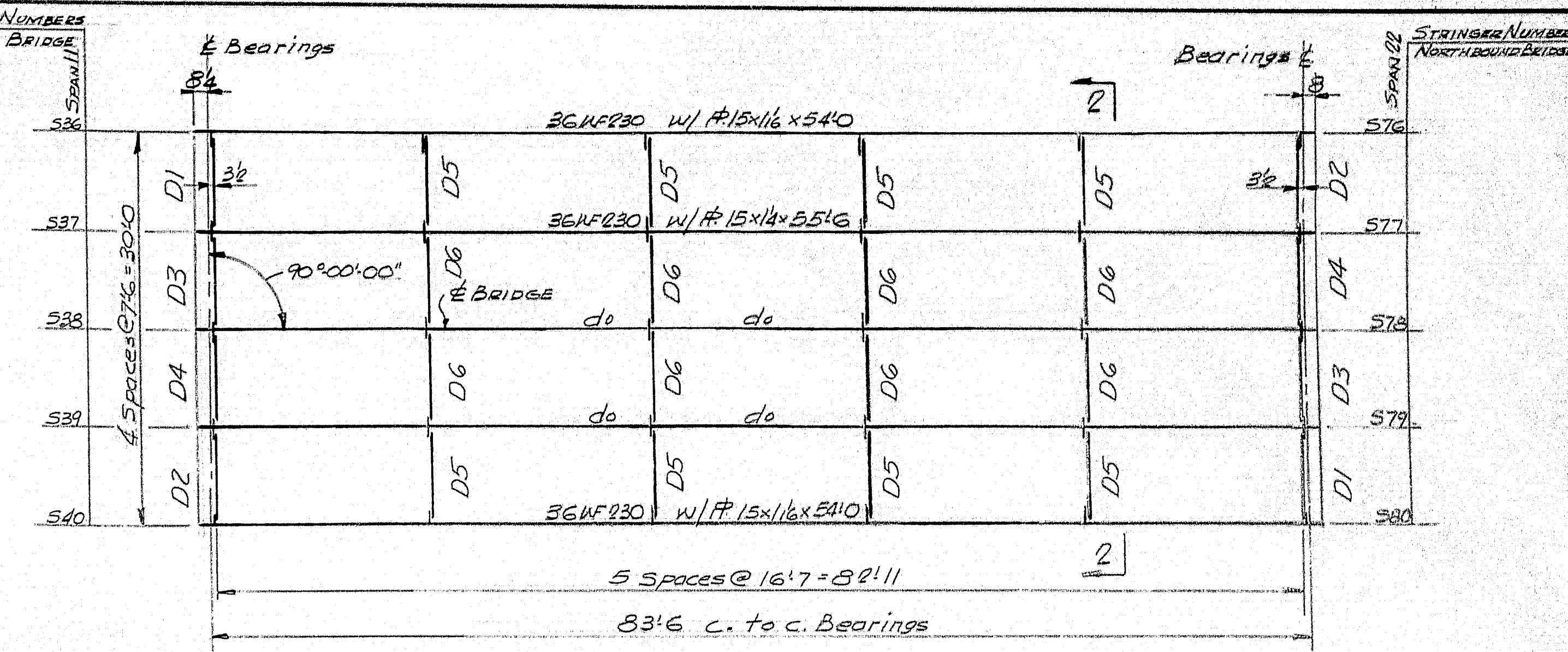
SECTIONS & DETAILS			
Bancroft & Martin Rolling Mills Company			
South Portland 7, Maine			
INTERSTATE #95 - OVER			
MESSALONSKEE STREAM			
WATERVILLE, MAINE			
CUSTOMER CLANCHETTE BROS.			
DESIGNER THE CLARKSON ENG. CO.			
ORDER NO. VERBAL	DWG. NO. 9-60-E2		

DRAWN	4-6-59	J.P.F.
REVISION		
REVISION		
REVISION		

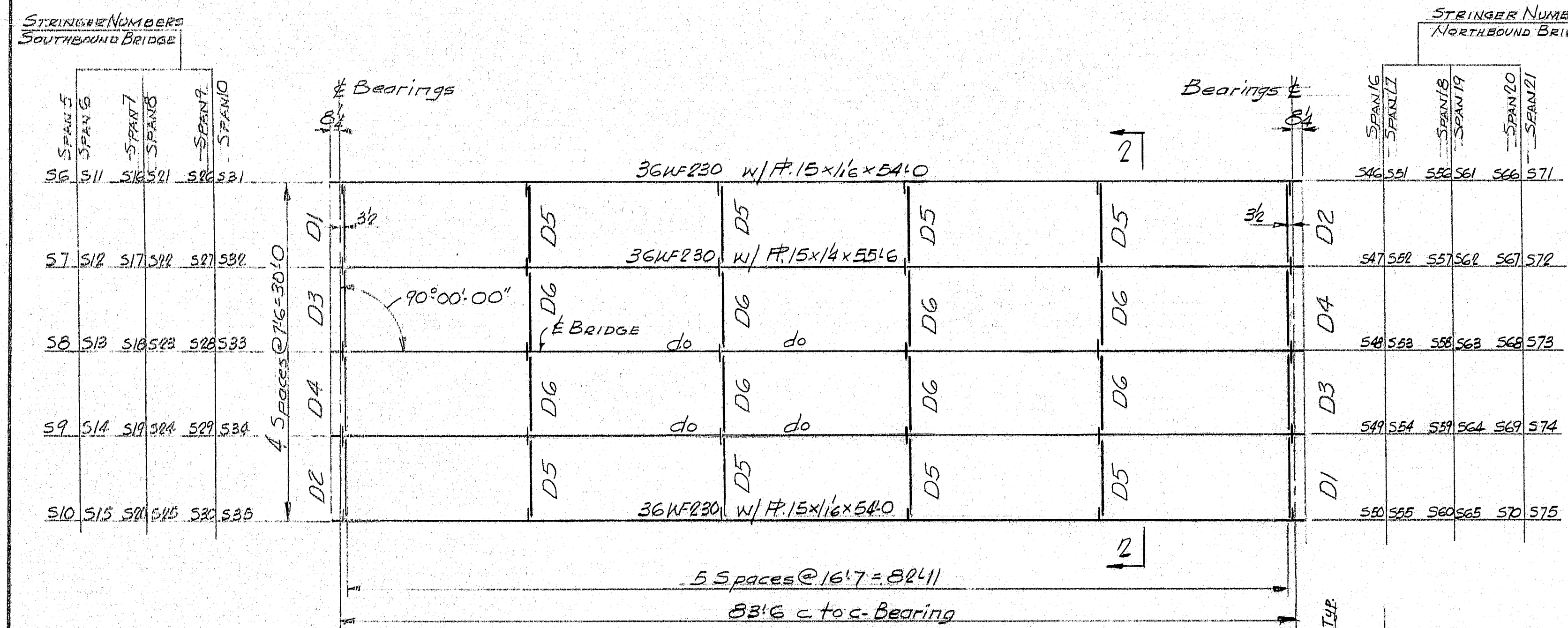




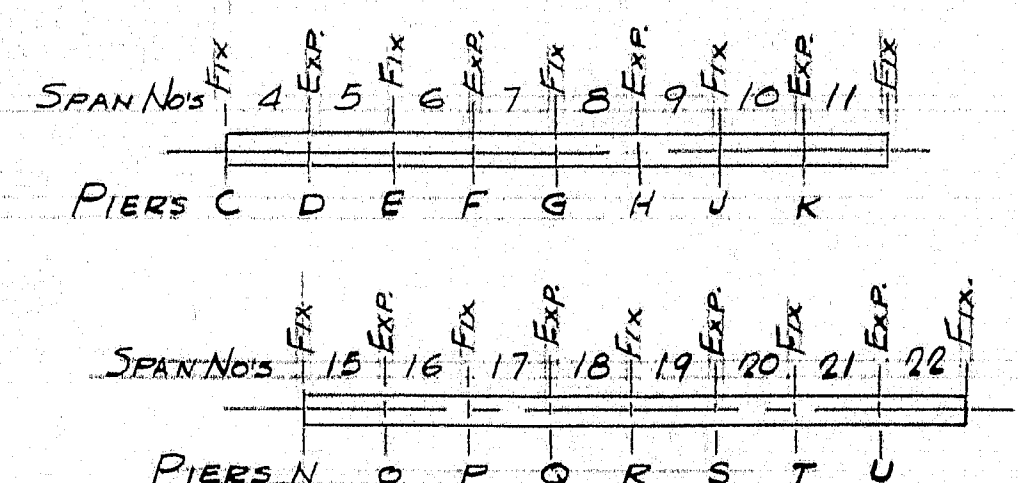
FRAMING PLAN
SPANS 4 & 15



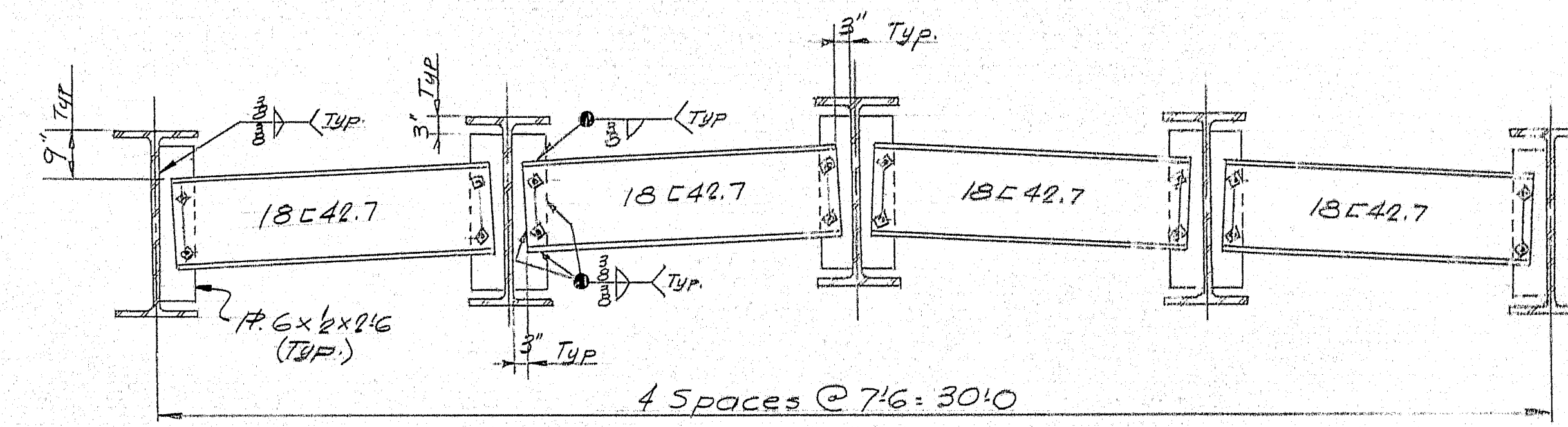
FRAMING PLAN
SPANS 11 & 22



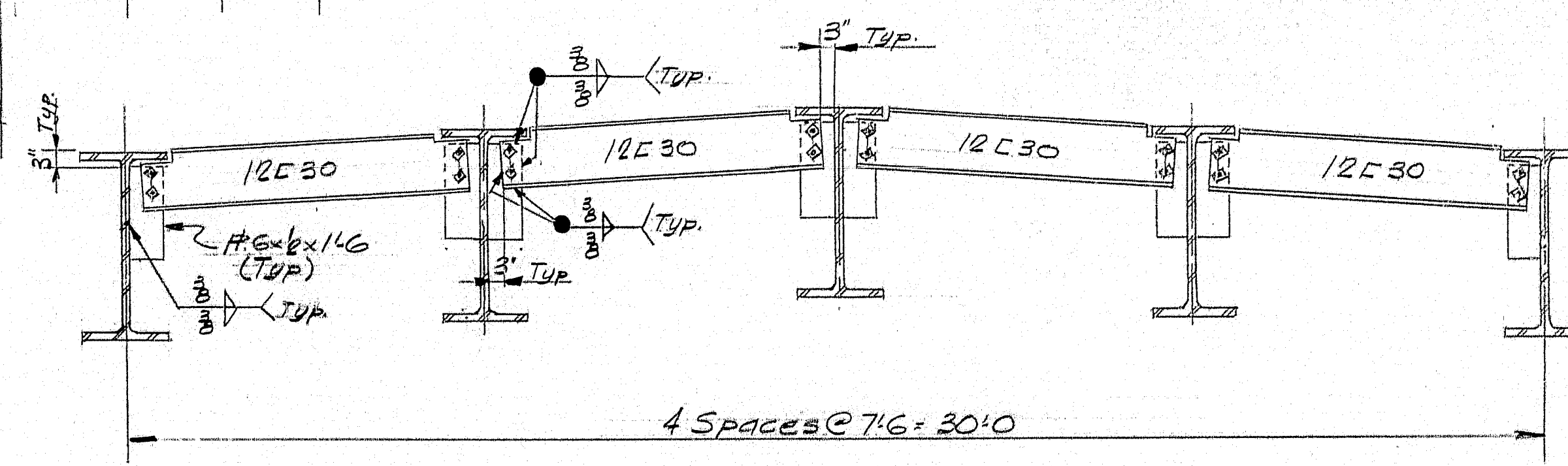
FRAMING PLAN
SPANS 5 TO 10 & 16 TO 21 (INC)



PLAN-BEARING LOCATIONS



SECTION "2-2"
AT INTERMEDIATE DIAPHRAGMS



SECTION
AT END DIAPHRAGMS

NOTE:
No Camber required for stringers, any natural camber to be placed up.

- NOTES:
- SHOP CONN: Welded
 - FIELD CONN: Welded - 5/8" Temp. Erection Bolts.
 - PAINT: Per State of Maine Specifications.
 - Beams & Cover Plates are to be A.S.T.M. Designation A373

APPROVED 42259

FRAMING PLANS - SPANS 4 TO 11 & 15 TO 22

Bancroft & Martin Rollings Mills Company
South Portland 7, Maine

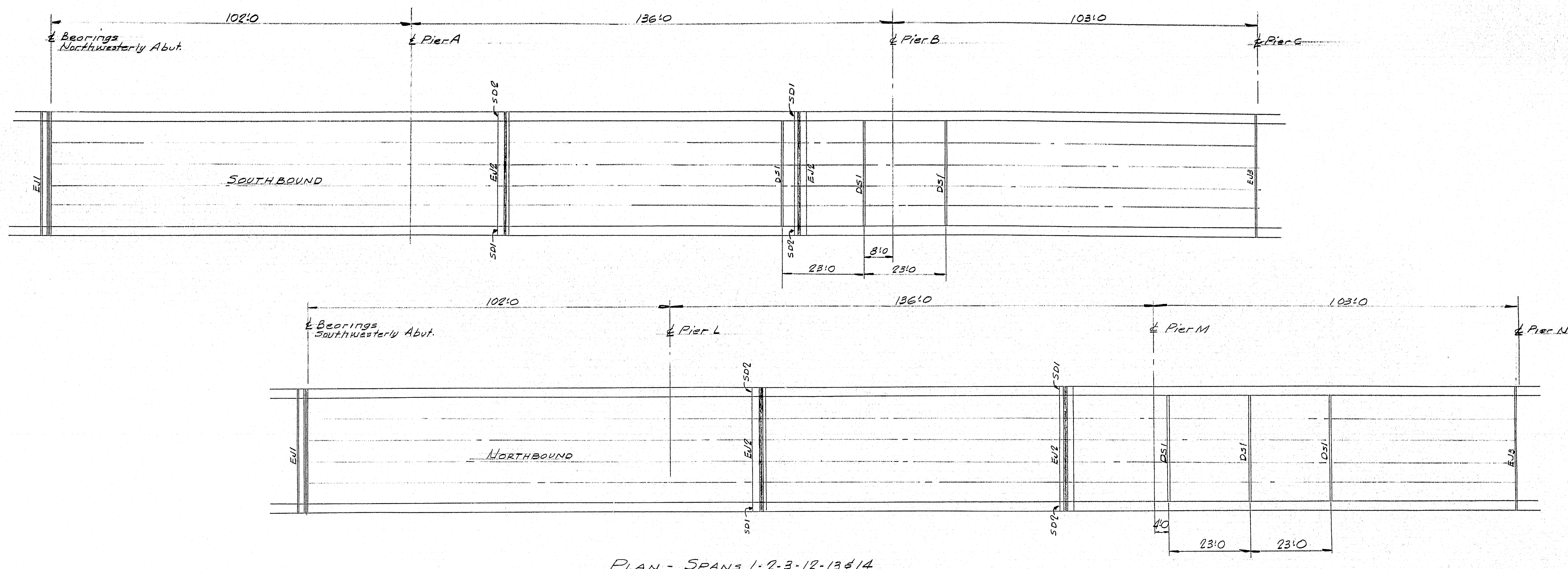
INTERSTATE #95 - OVER
MESSALONSKE STREAM
WATERVILLE, MAINE

CUSTOMER: CLANCHETTE BROS.
DESIGNER: THE CLARKSON ENGR. CO.

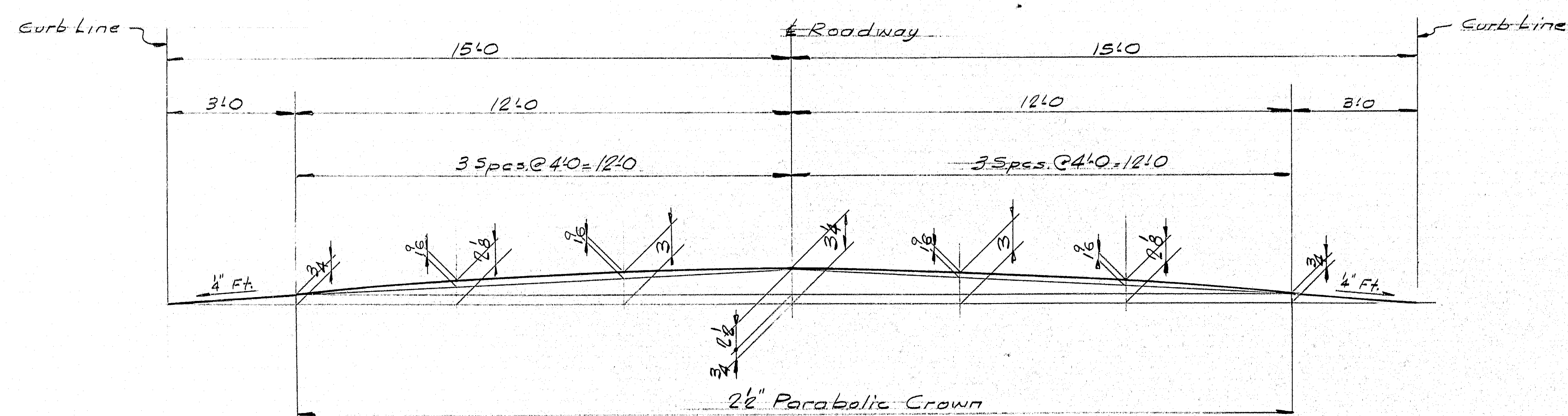
ORDER NO. VERBAL DWG. NO. 7-60-EB

DRAWN	4-6-59 J.P.P.
REVISION	
REVISION	
REVISION	





PLAN - SPANS 1-2-3-12-13 & 14



CROWN DETAIL

SHOP CONN: Welded
FIELD CONN: Welded

LOCATION PLAN: EXPANSION DAMS
SPANS 1-2-3-12-13 & 14

Bamcraft & Martin, Rolling Mills Company
South Portland 7, Maine

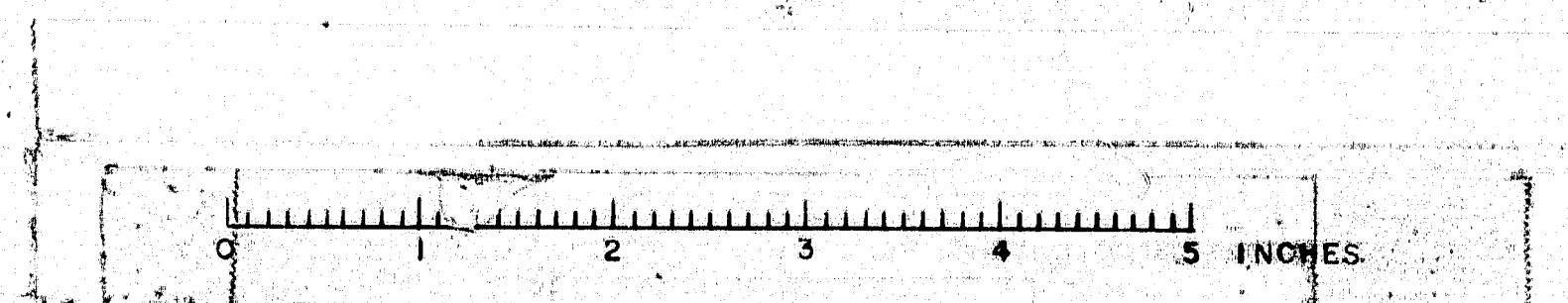
INTERSTATE #95 - OVER
MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKSON ENGR. CO.

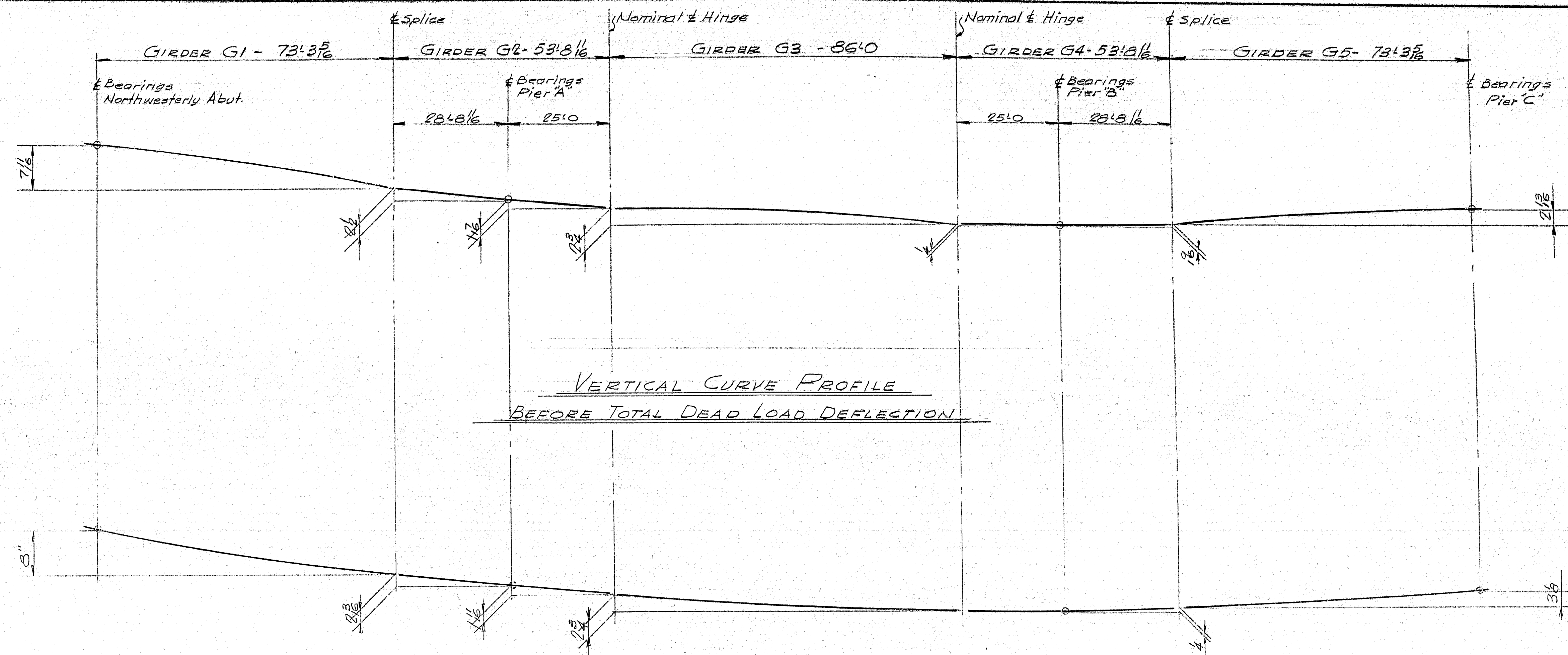
ORDER NO. VERBAL DWG. NO. 9-60-E4

DRAWN	1-22-60	J.P.A.
REVISION		
REVISION		
REVISION		

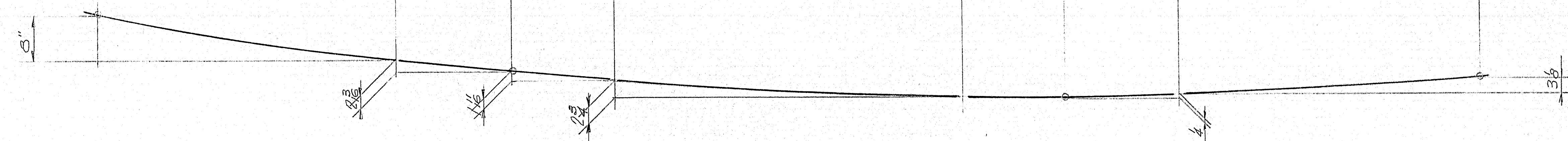
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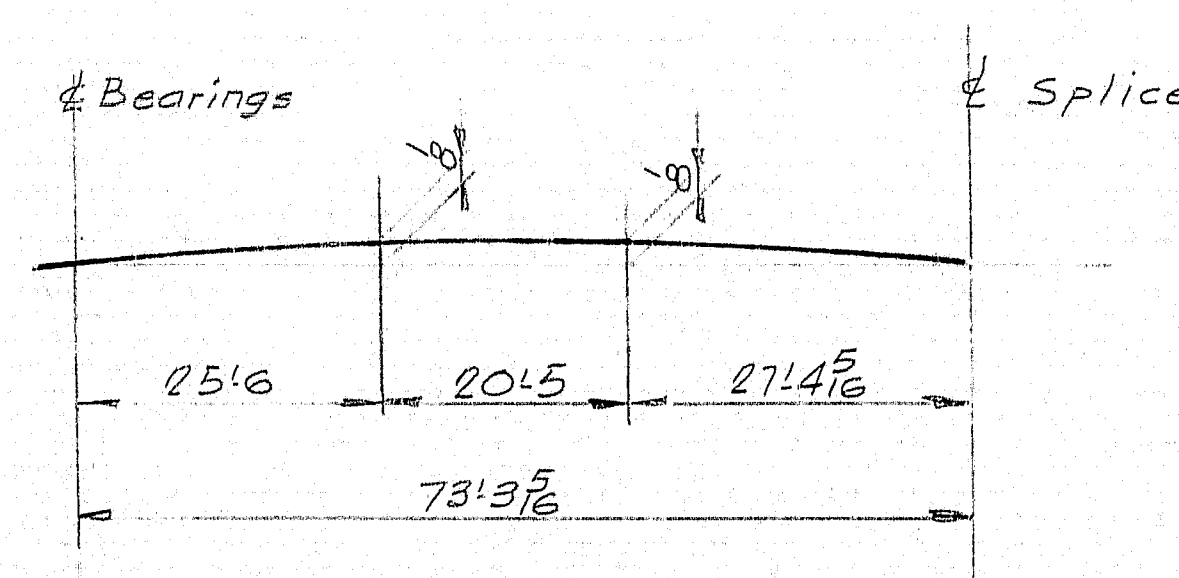
77-139



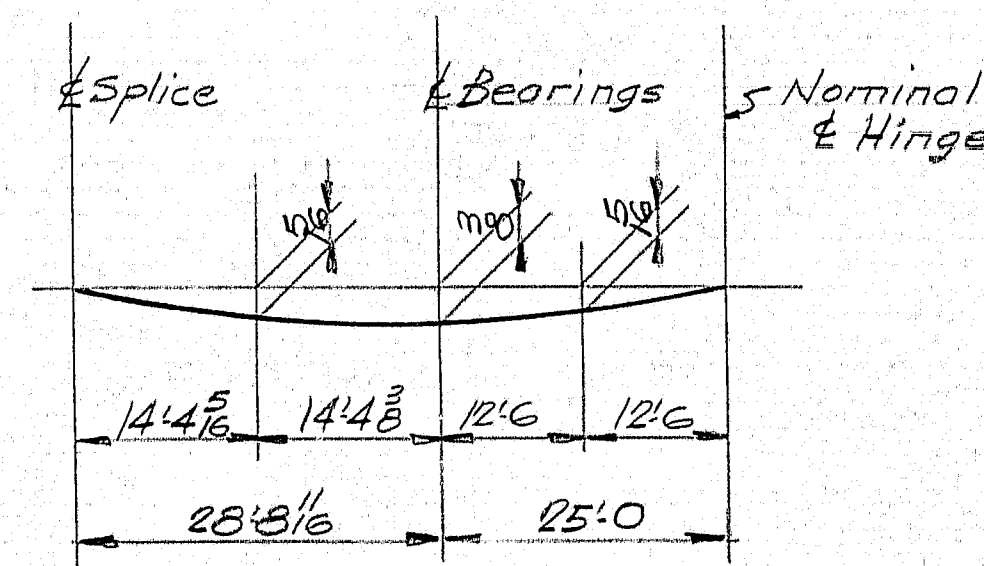
VERTICAL CURVE PROFILE
BEFORE TOTAL DEAD LOAD DEFLECTION



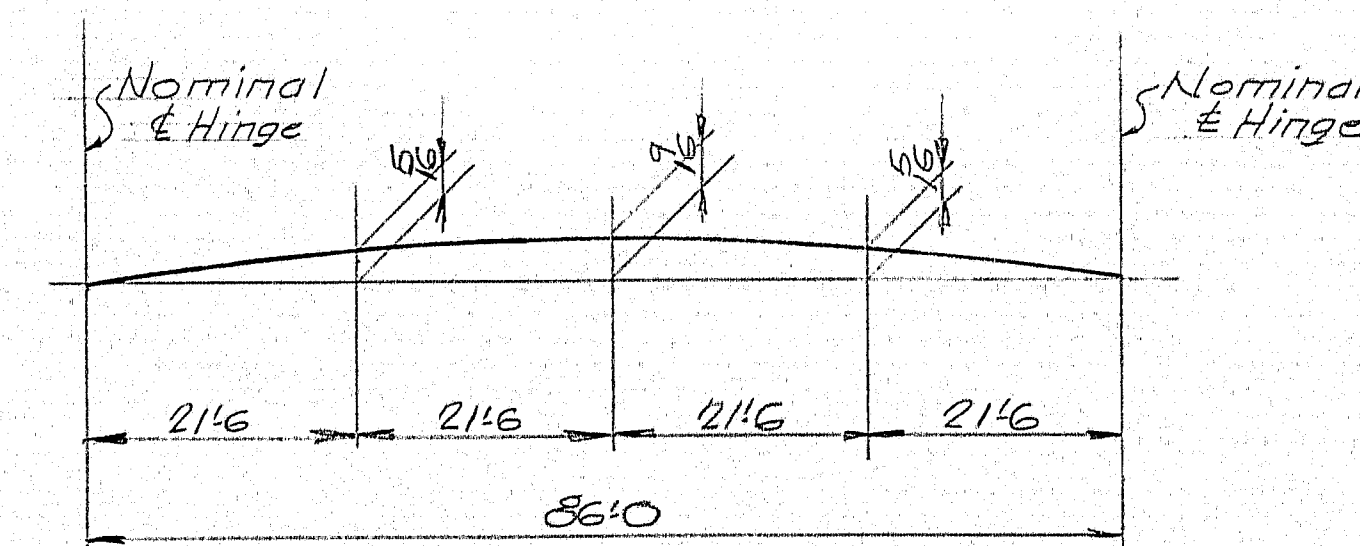
VERTICAL CURVE PROFILE
AFTER TOTAL DEAD LOAD DEFLECTION



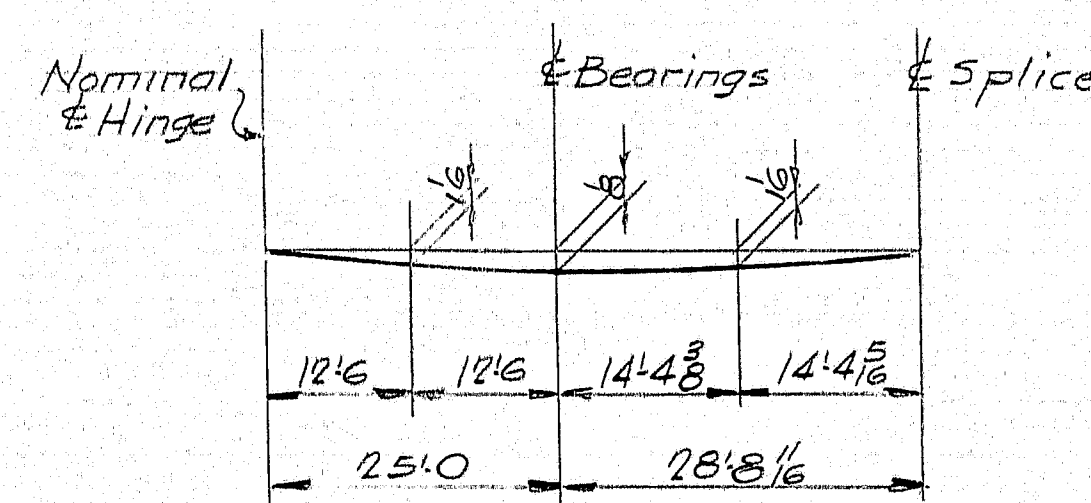
CAMBER - G1 GIRDERS



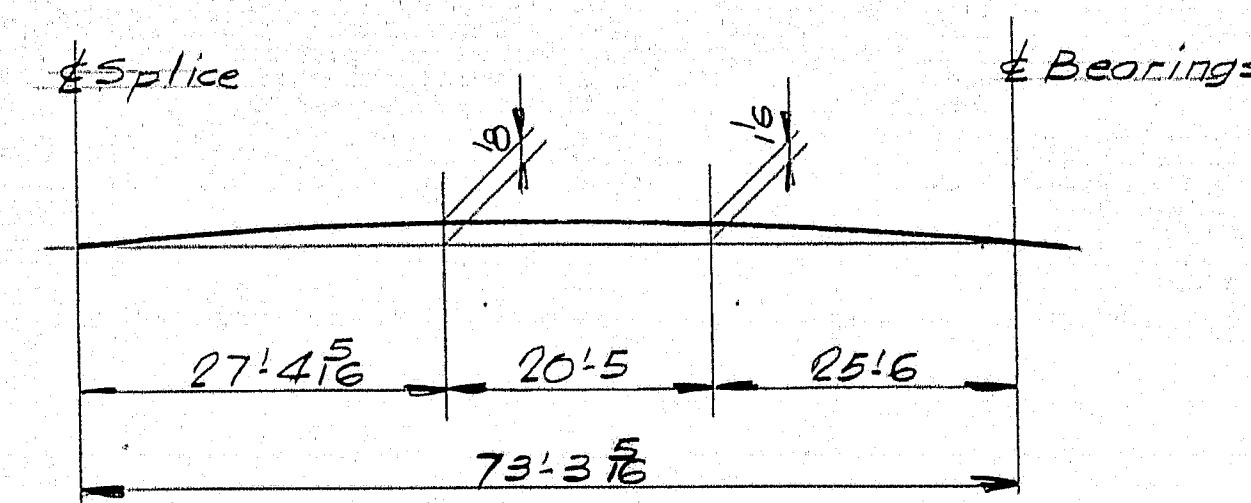
CAMBER - G2 GIRDERS



CAMBER - G3 GIRDERS



CAMBER - G4 GIRDERS



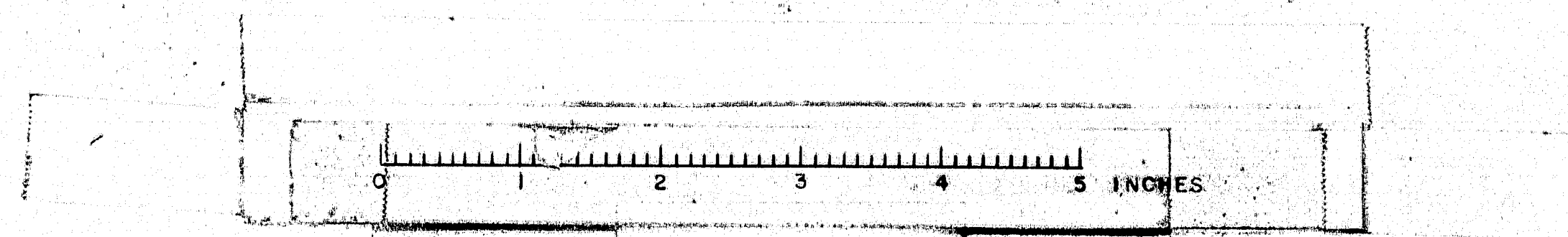
CAMBER - G5 GIRDERS

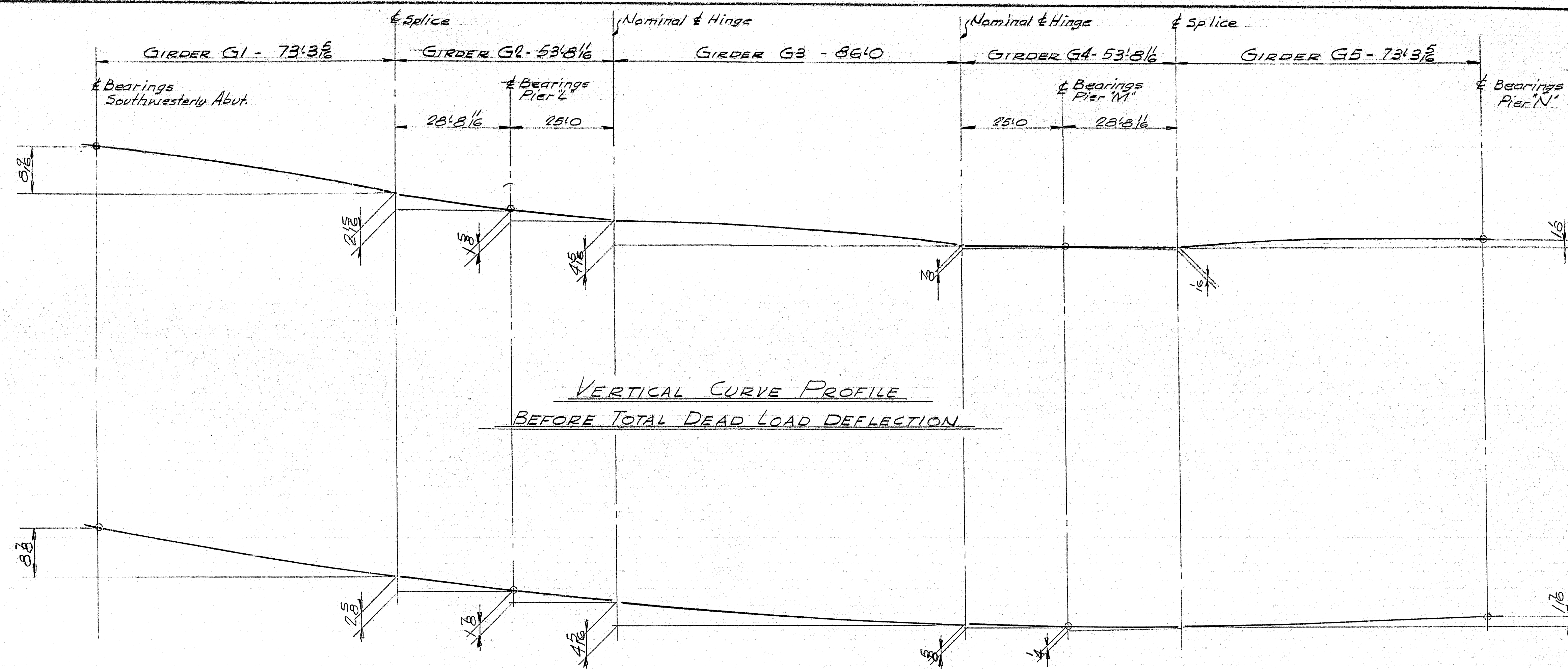
NOTES:
All vertical dimensions given
to back of Top chord angles.

SOUTHBOUND BRIDGE	
PROFILE & CAMBER DIAGRAMS	
Bancroft & Martin Rolling Mills Company	
South Portland 7, Maine	
INTERSTATE #95 - OVER	
MESSALONSKEE STREAM	
WATERVILLE, MAINE	
CUSTOMER	CIANCHETTE Bros
DESIGNER	THE CLARKSON ENGR. CO.
ORDER NO.	VERBAL
DWG. NO.	9-60-D1

DRAWN	4-8-59 J.P.F.
REVISION	
REVISION	
REVISION	

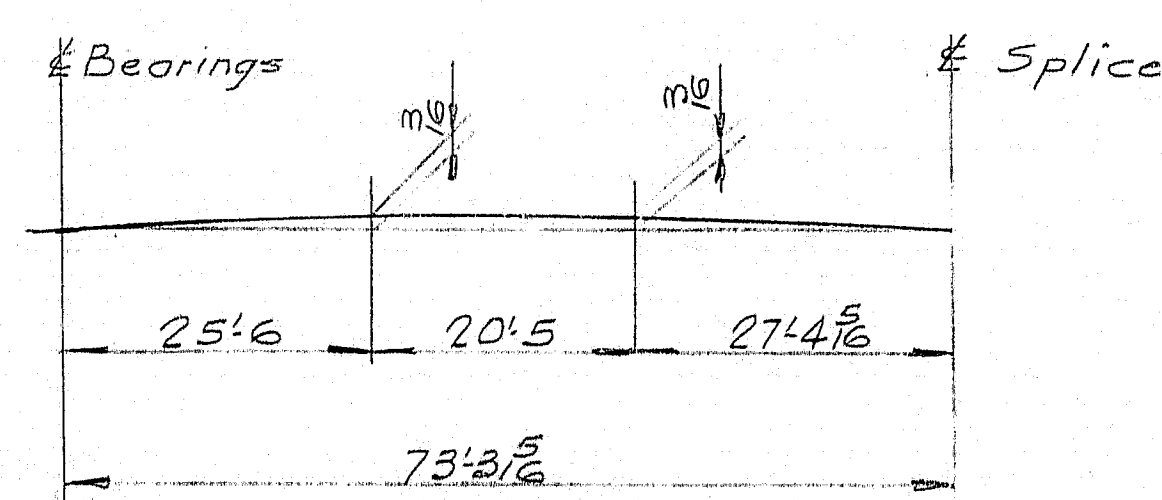
APP. 4-30-59



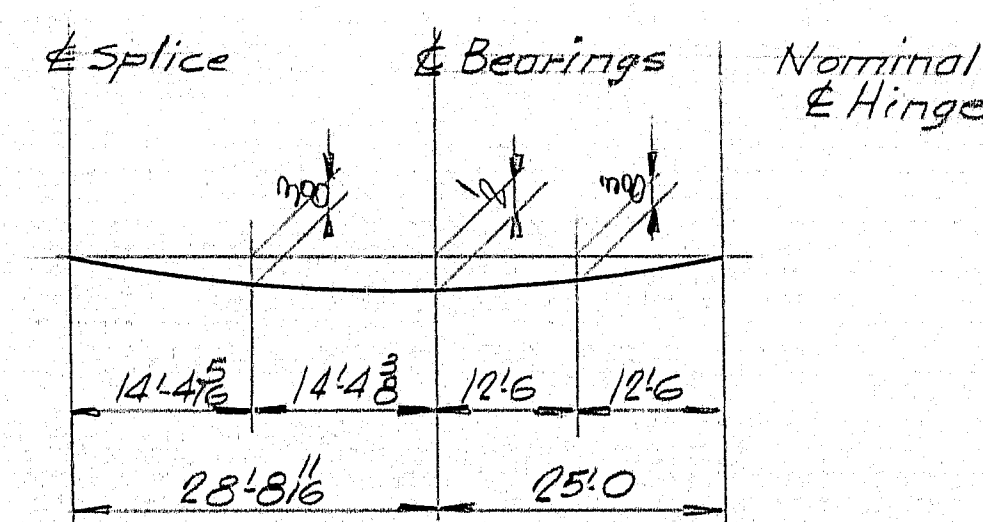


VERTICAL CURVE PROFILE
BEFORE TOTAL DEAD LOAD DEFLECTION

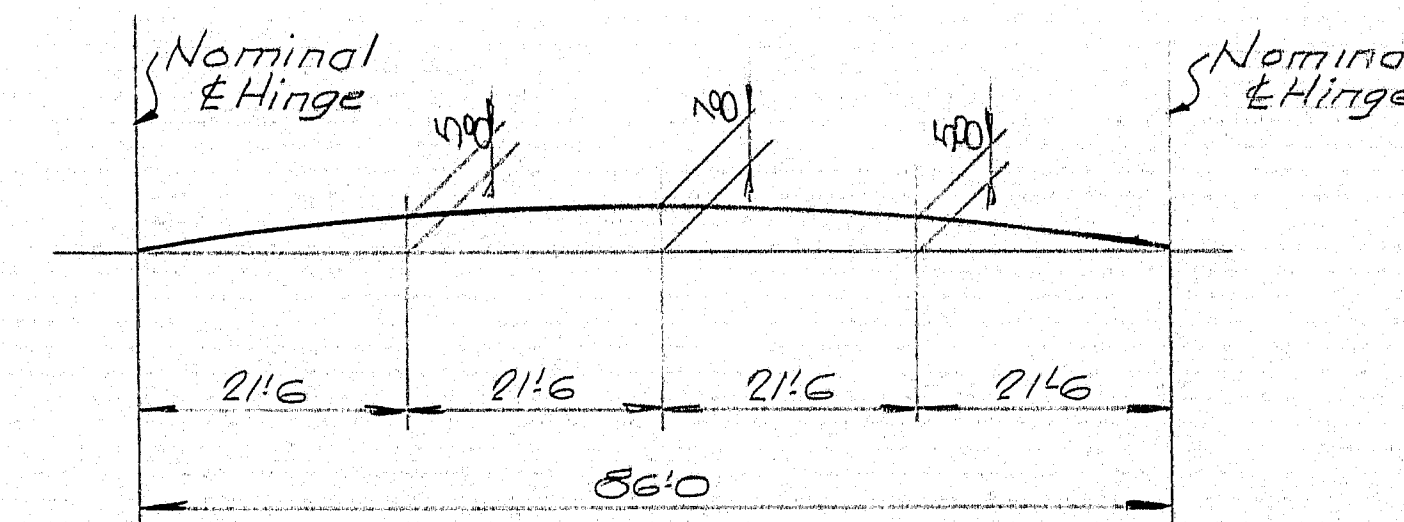
VERTICAL CURVE PROFILE
AFTER TOTAL DEAD LOAD DEFLECTION



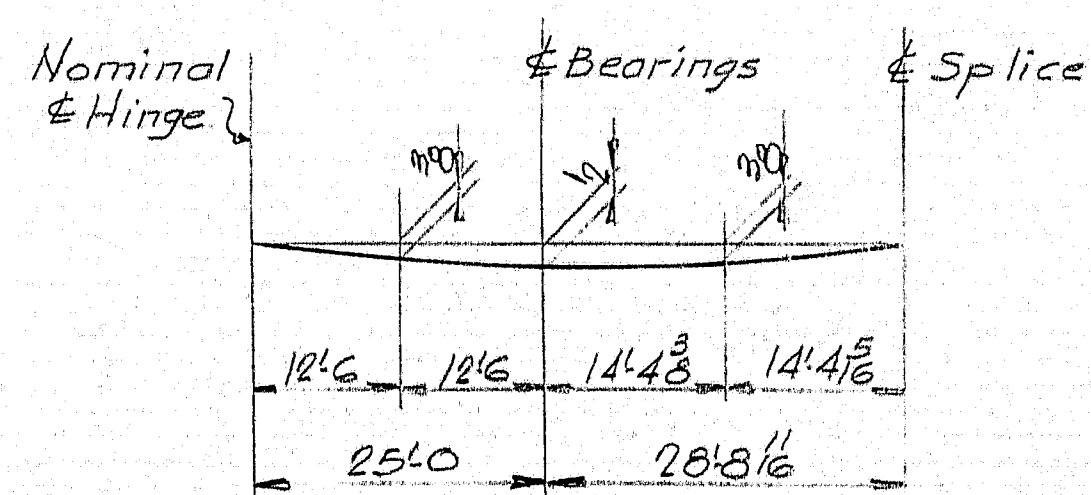
CAMBER - G1 GIRDERS



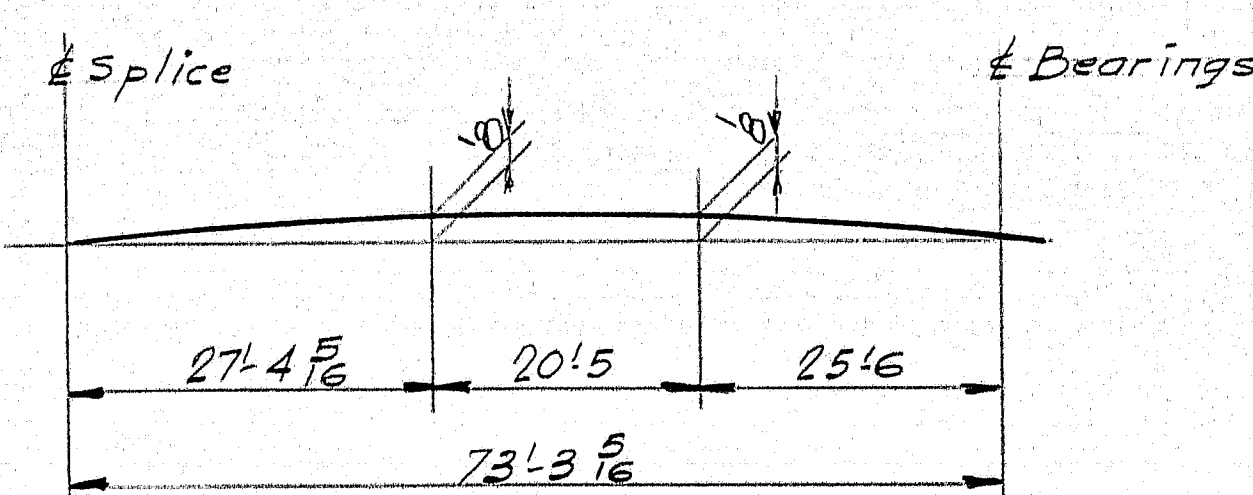
CAMBER - G2 GIRDERS



CAMBER - G3 GIRDERS



CAMBER - G4 GIRDERS



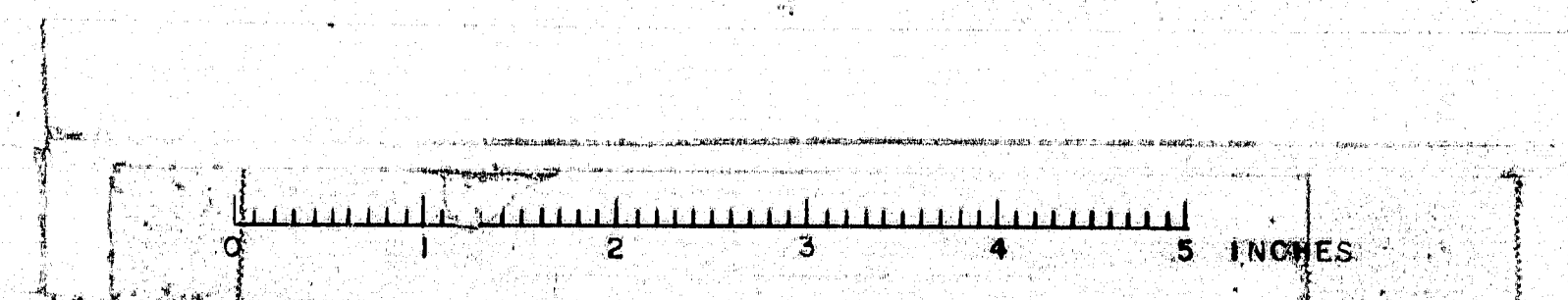
CAMBER - G5 GIRDERS

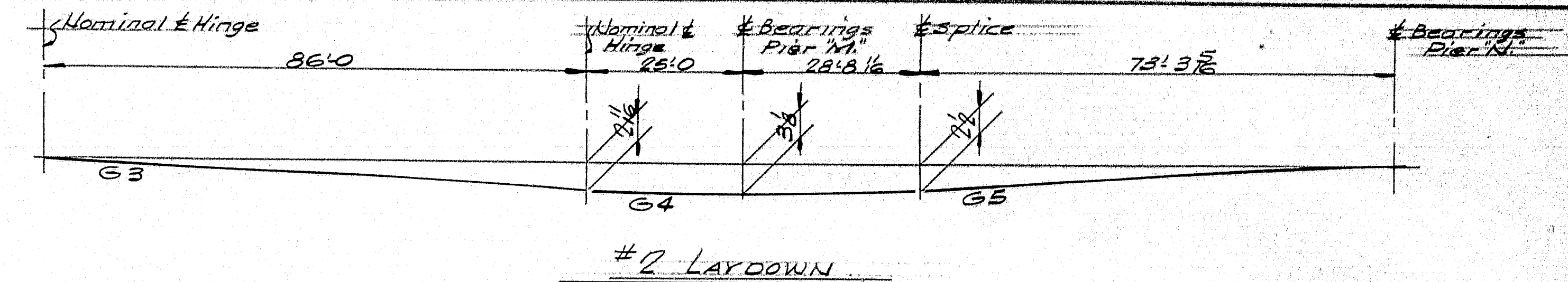
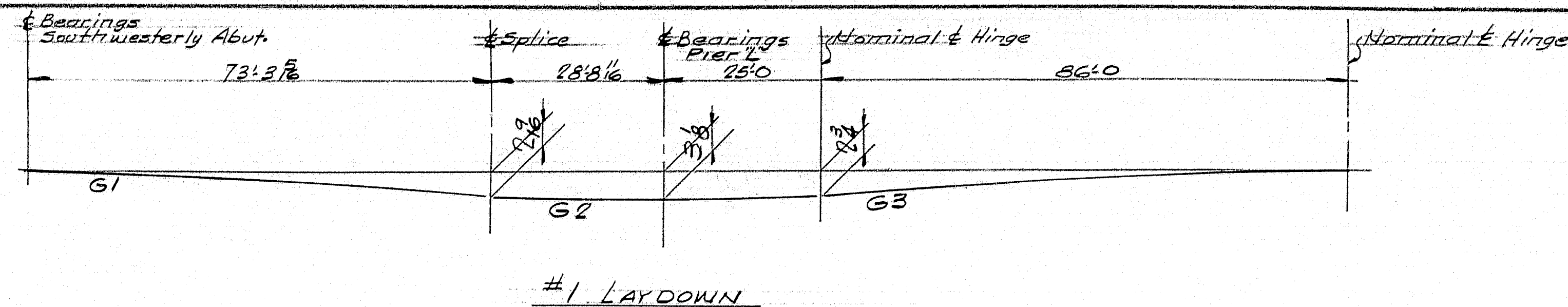
NOTES:
All vertical dimensions given
to back of top chord angles.

NORTHBOUND BRIDGE	
PROFILE & CAMBER DIAGRAMS	
Rancourt & Martin Rolling Mills Company	
South Portland, Maine	
INTERSTATE #95 - OVER MESSALONSKEE STREAM WATERVILLE, MAINE	
CUSTOMER	CLARKSON ENG'G CO.
DESIGNER	THE CLARKSON ENG'G CO.
ORDER NO.	VERBAL
DWG. NO.	9-60-02

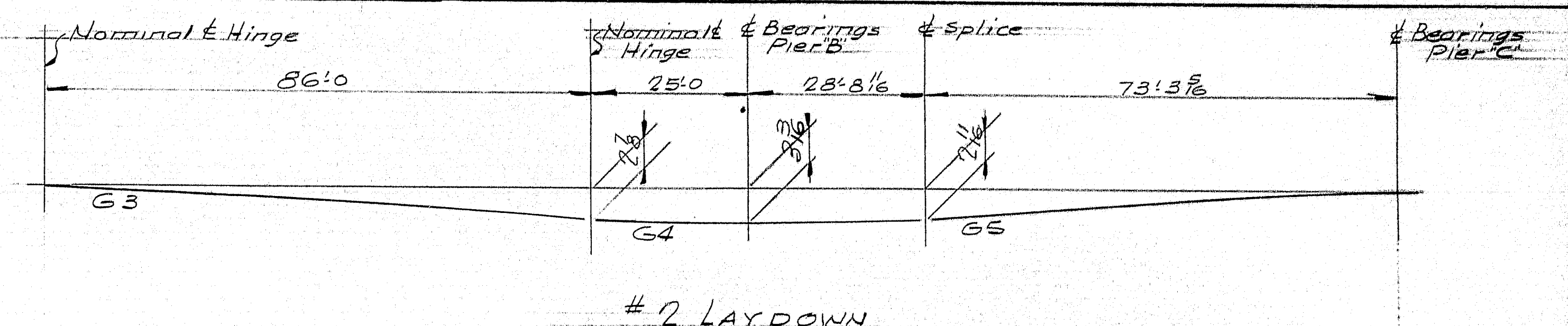
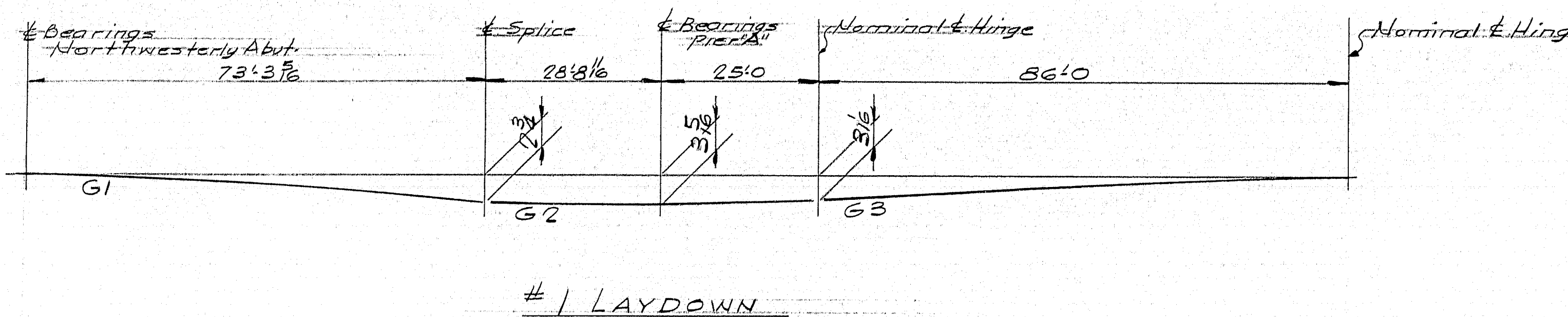
DRAWN	4-9-59 J.P.F.
REVISION	
REVISION	
REVISION	

APR 4 30 59





NORTHBOUND BRIDGE



SOUTHBOUND BRIDGE

Note
All vertical dimensions
given to back of Top chord
angles.

LAYDOWN DIAGRAMS

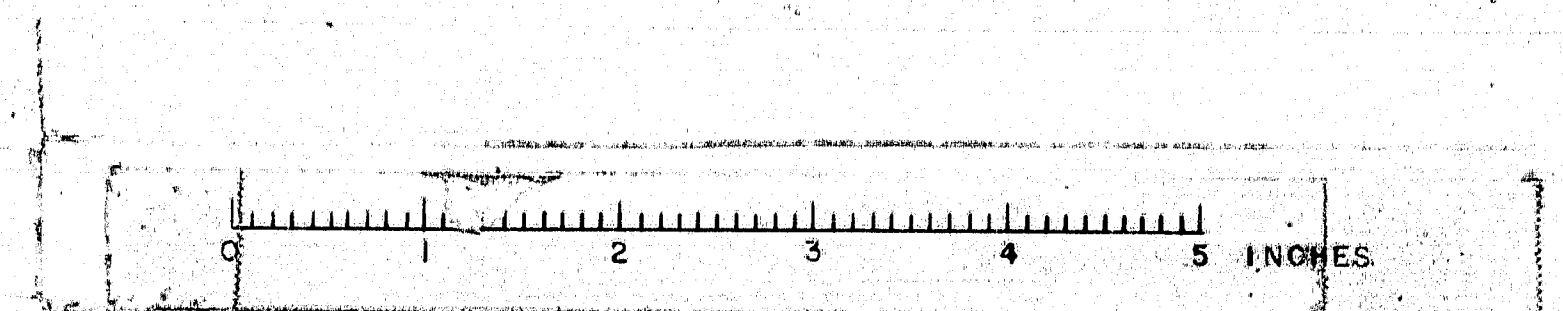
Brancroft & Munster Rollings Mills Company
South Portland 7, Maine

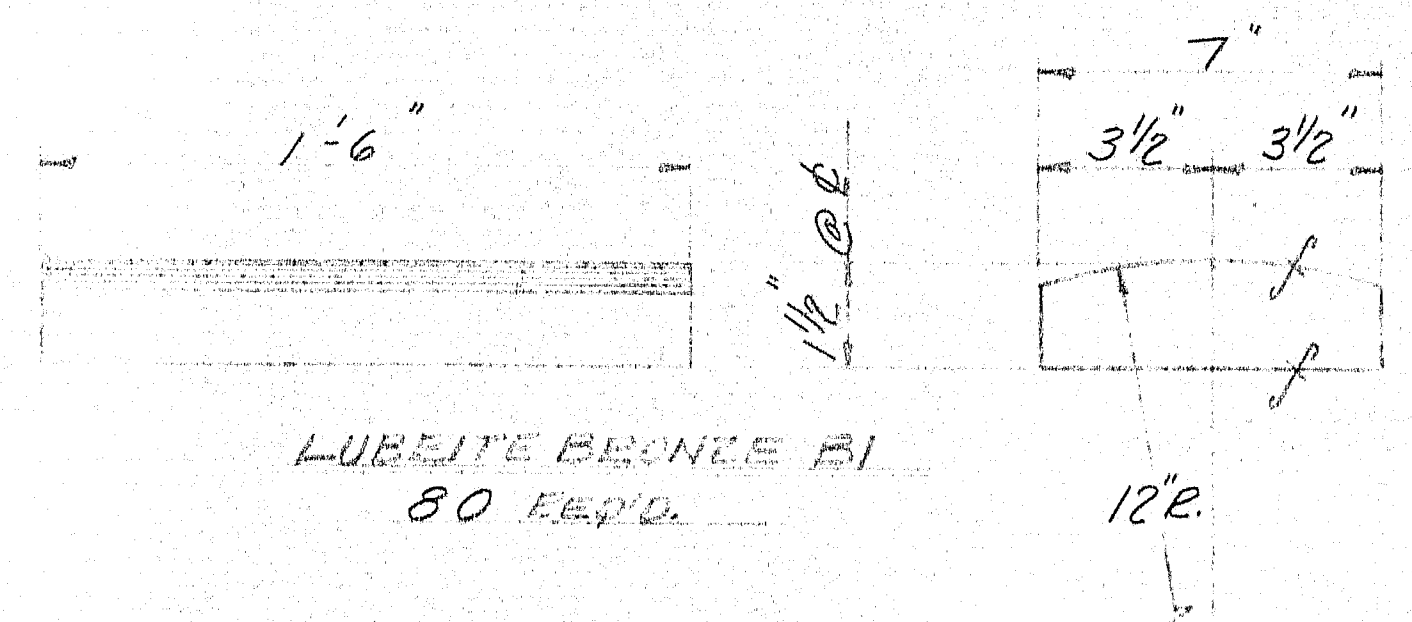
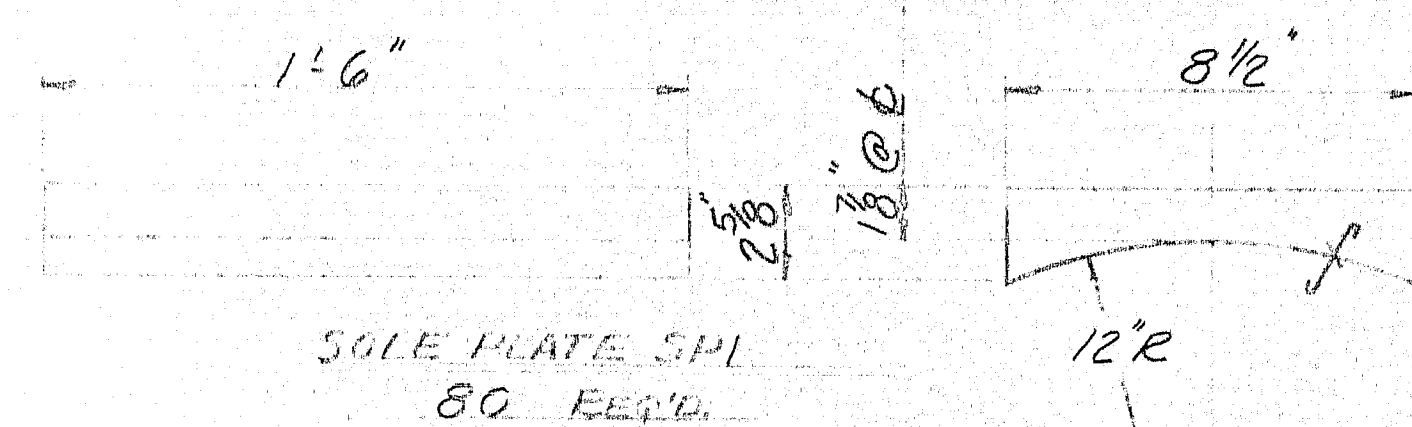
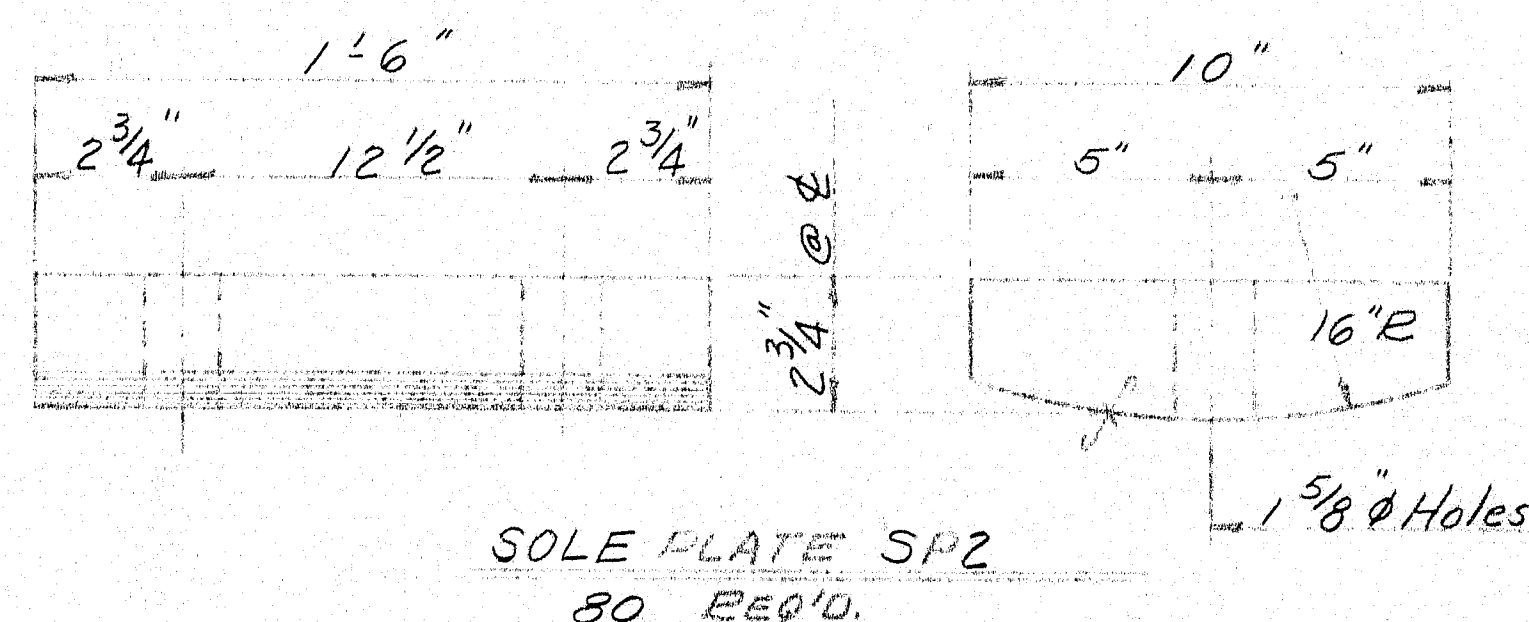
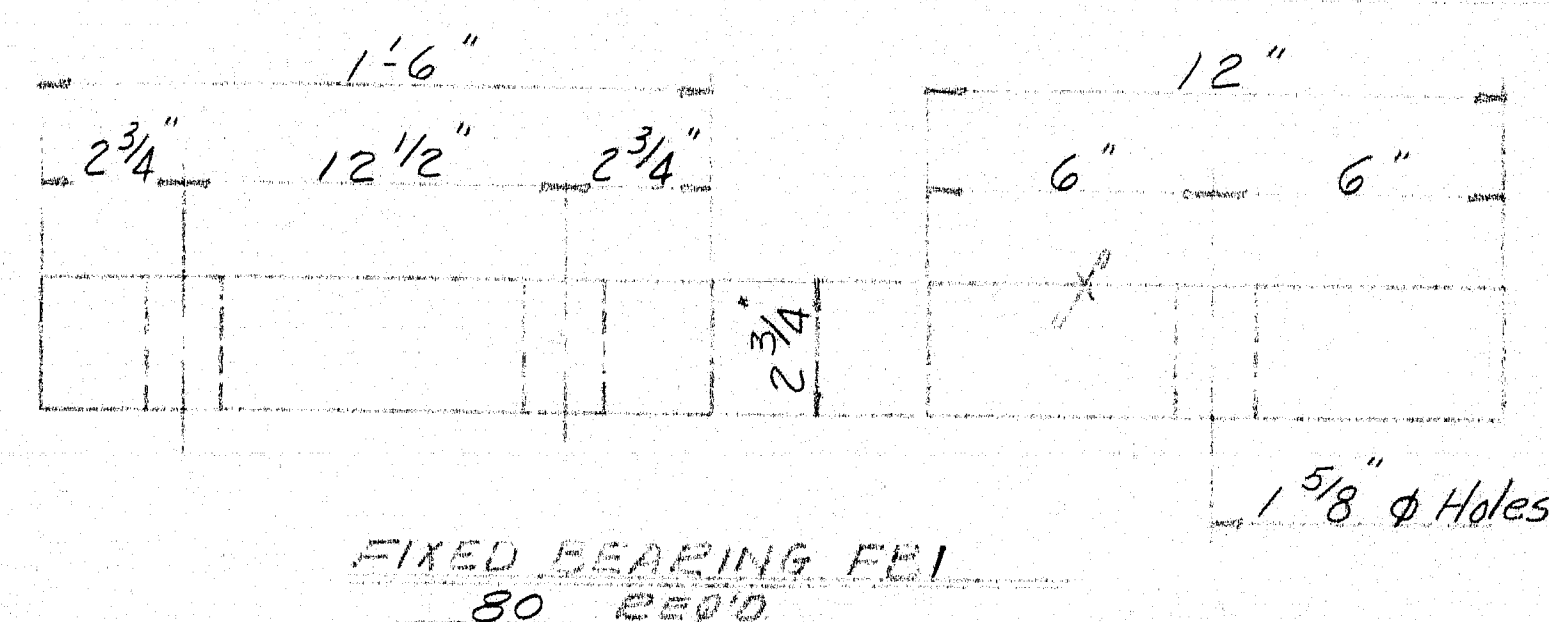
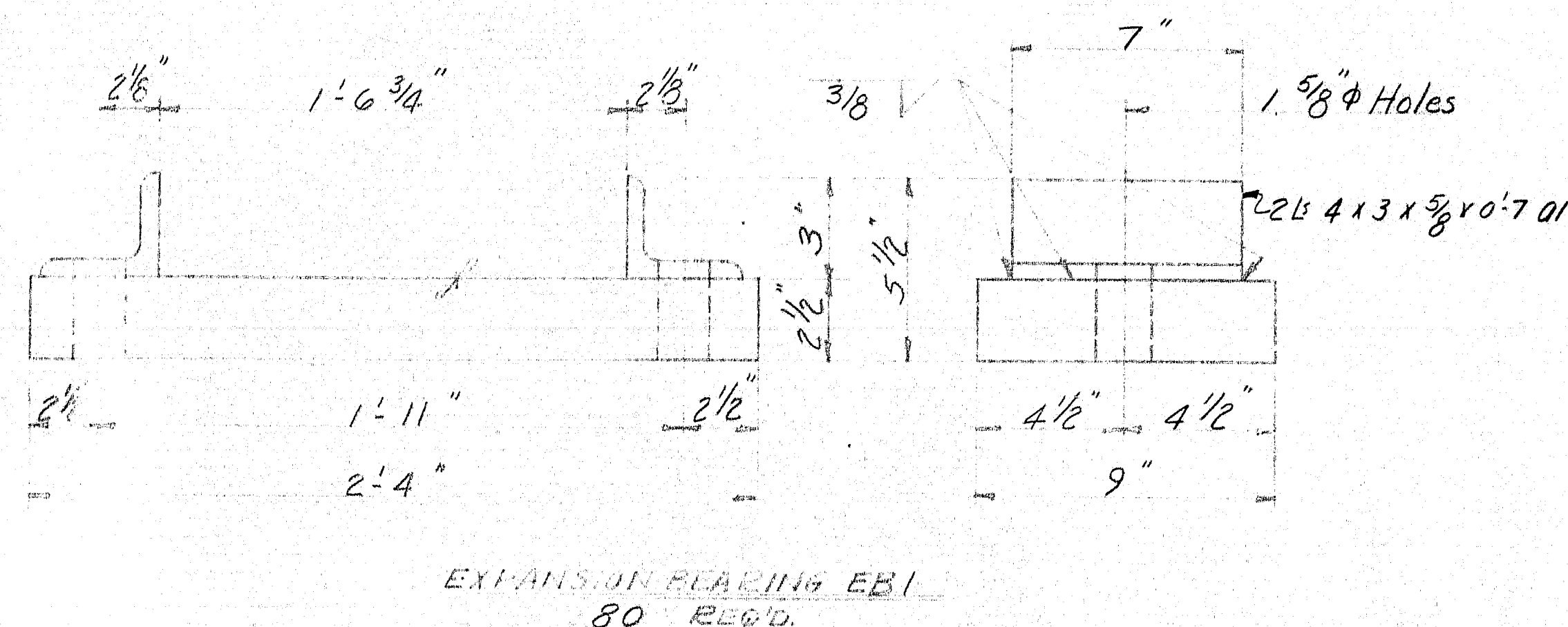
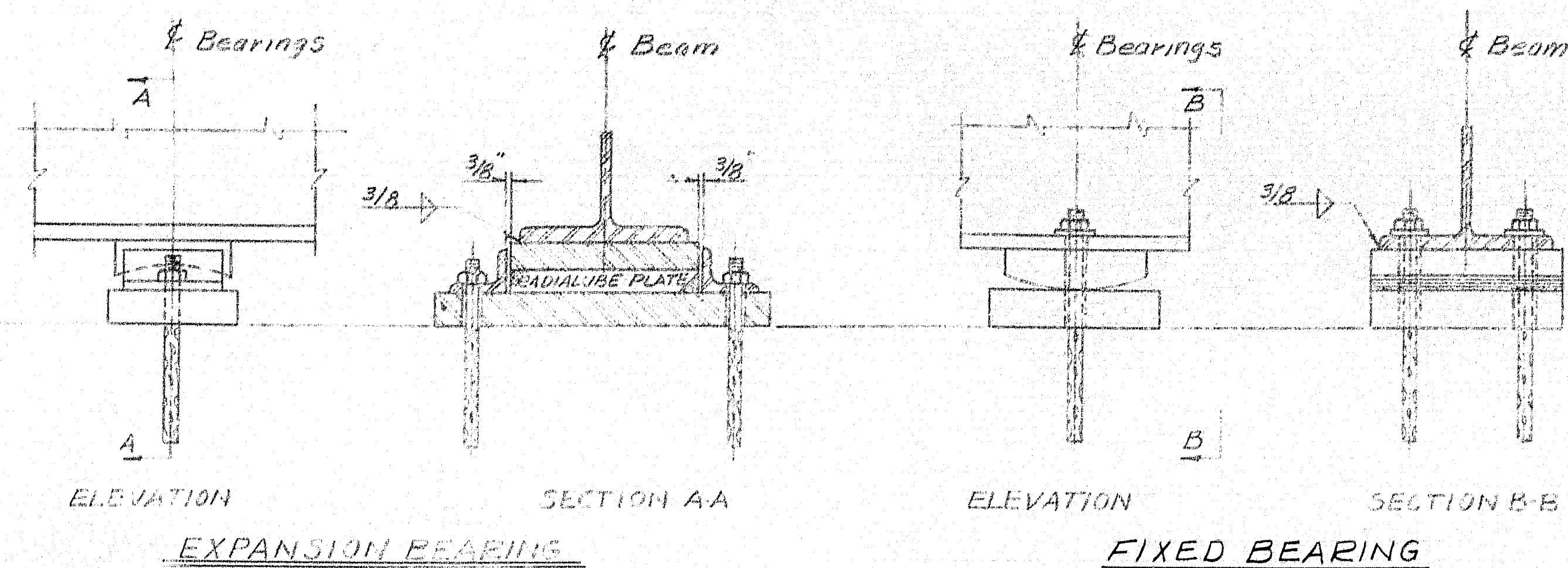
INTERSTATE #95 OVER
MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKSON ENGR. CO.

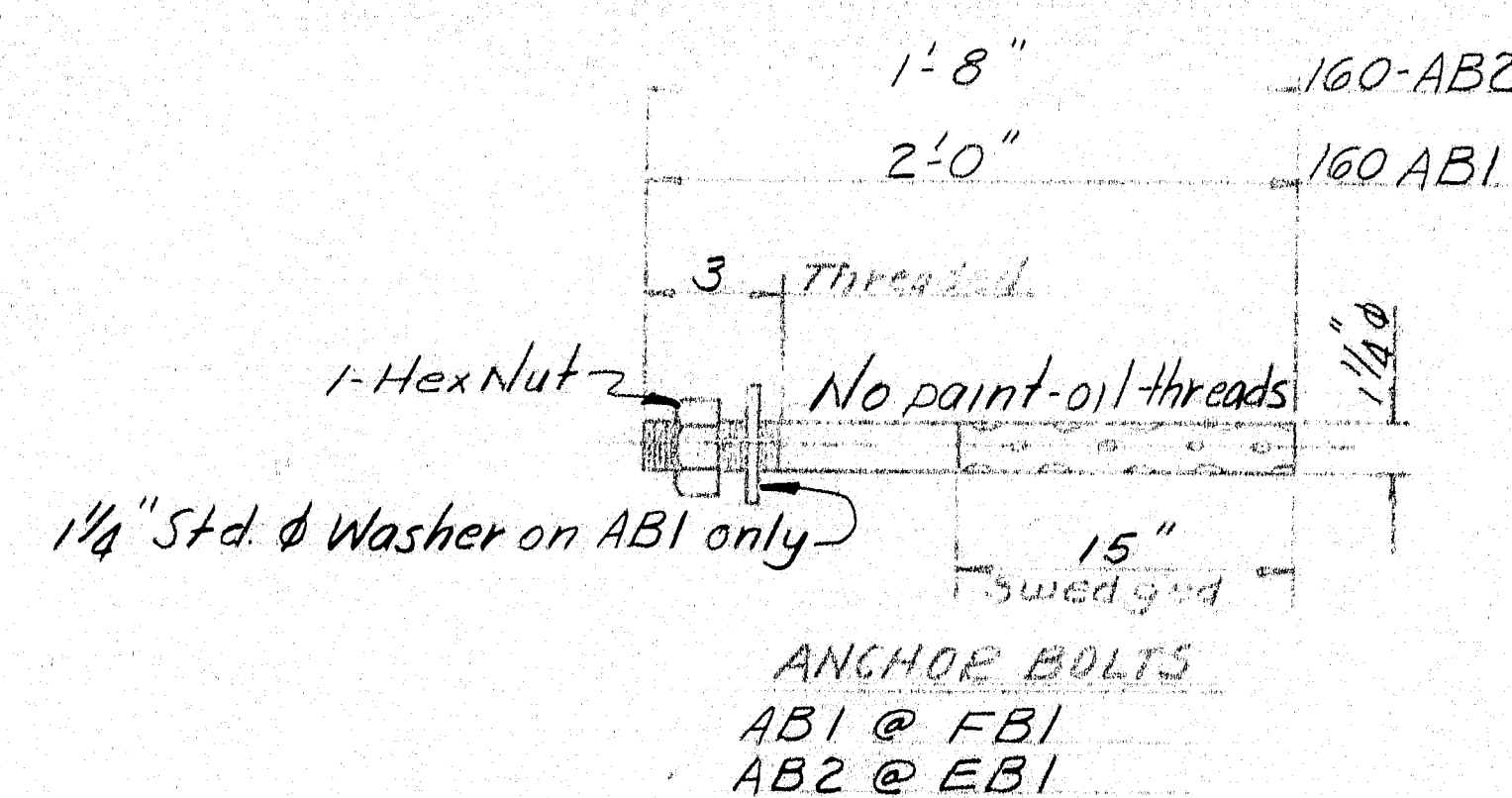
ORDER NO. VERBAL DWG. NO. 9-60-D3

DRAWN	7-11-60 J.P.F.
REVISION	
REVISION	
REVISION	





NOTE:
No paint on top of Sole Plates, all finished surfaces, &
bottom side of all bearings.
Coat finished surfaces of steel with white lead & tallow.



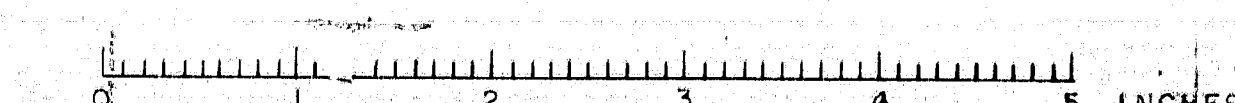
SHIP		BILL OF MATERIAL				DWG. NO. 9-60-51
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
FBI	80		12 x 2 3/4	1	6	Scale Weigh
EBI	80		9 x 2 1/2	2	4	Do Do
ABI	160		1 1/4 Rod	2	0	Scale Weigh
AB2	160		1 1/4 Rod	1	8	Do Do
	80	SP1	12 x 2 3/4	1	6	Scale Weigh
	80	SP2	10 x 2 3/4	1	6	Do Do
	160	BI	14 x 3 x 3/8	0	7	
	320	Shop	1 1/4 Hex Nuts			
	160	Shop	1 1/4 Washers			
BI	80		7 x 1 1/2	1	6	White Bronze ordered 4-10-59

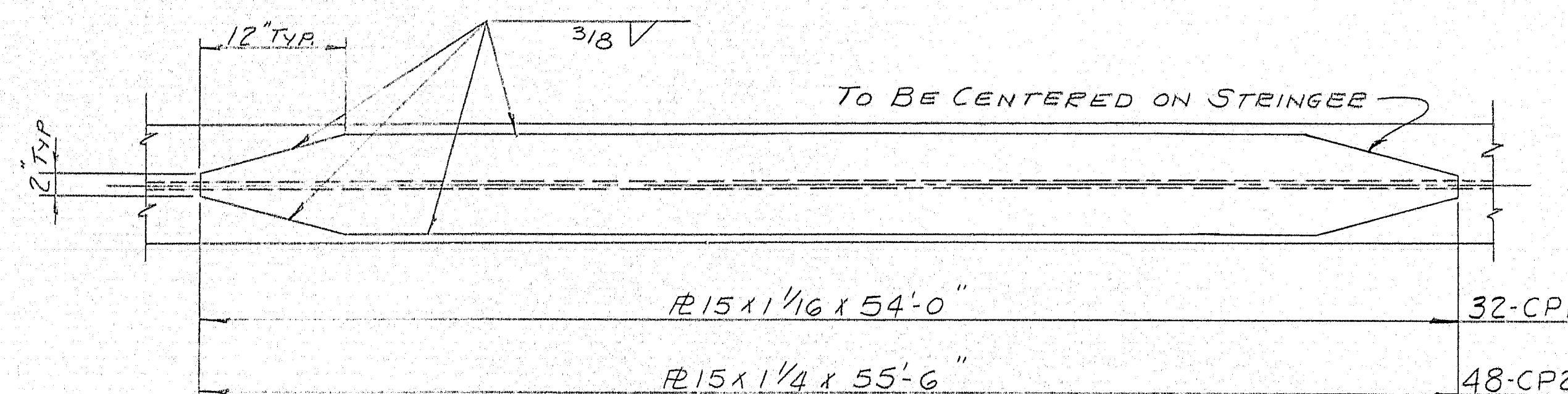
ITEM 703-9 & 702-103

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Bolted
HOLES: As noted
PAINT: Per state of Maine Specs
and as noted

BEARING DETAILS - STRINGERS
Bancroft & Martin Rolling Mills Company
South Portland 7, Maine
INTERSTATE #95 OVER
MESSALONSKEE STREAM
WATERVILLE, MAINE
CUSTOMER CLANCHETTE BROTHERS
DESIGNER CLARKSON ENGR. CO.
ORDER NO. VERBAL DWG. NO. 9-60-51

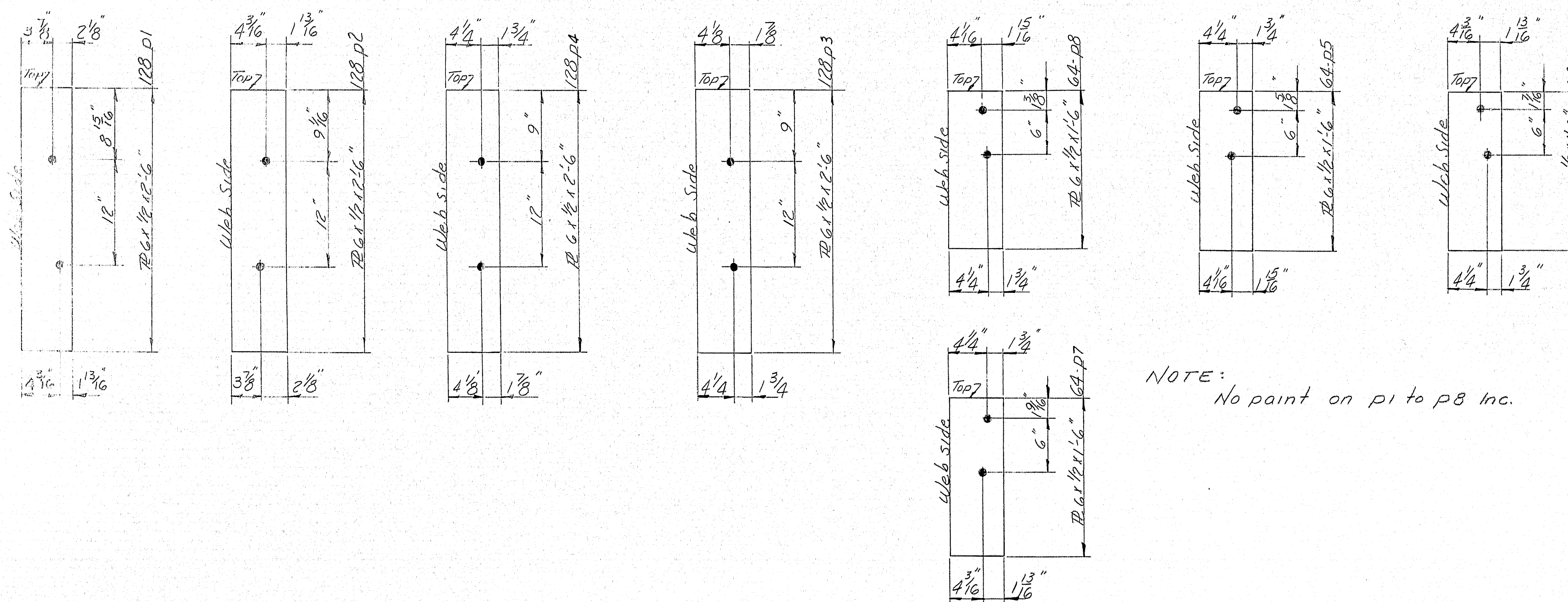
DRAWN	4-7-59	GM
REVISION		
REVISION		
REVISION		





NOTE: No camber in beams required
any natural camber to be placed up.

Beams & Cover Plates to be
A.S.T.M. Designation A-373



NOTE:
No paint on p1 to p8 inc.

SHOP CONNECTIONS:
FIELD CONNECTIONS:
HOLES: 13/16" except as noted
PAINT: Per State of Maine Specs.
and as noted.

[illegible]

DRAWN	4-28-59	REM.	CUSTOMER	CLANCHETTE BROS.
REVISION			DESIGNER	THE CLARKSON ENGR. CO.
REVISION			ORDER NO.	VERBAL
REVISION			DWG. NO.	960-53

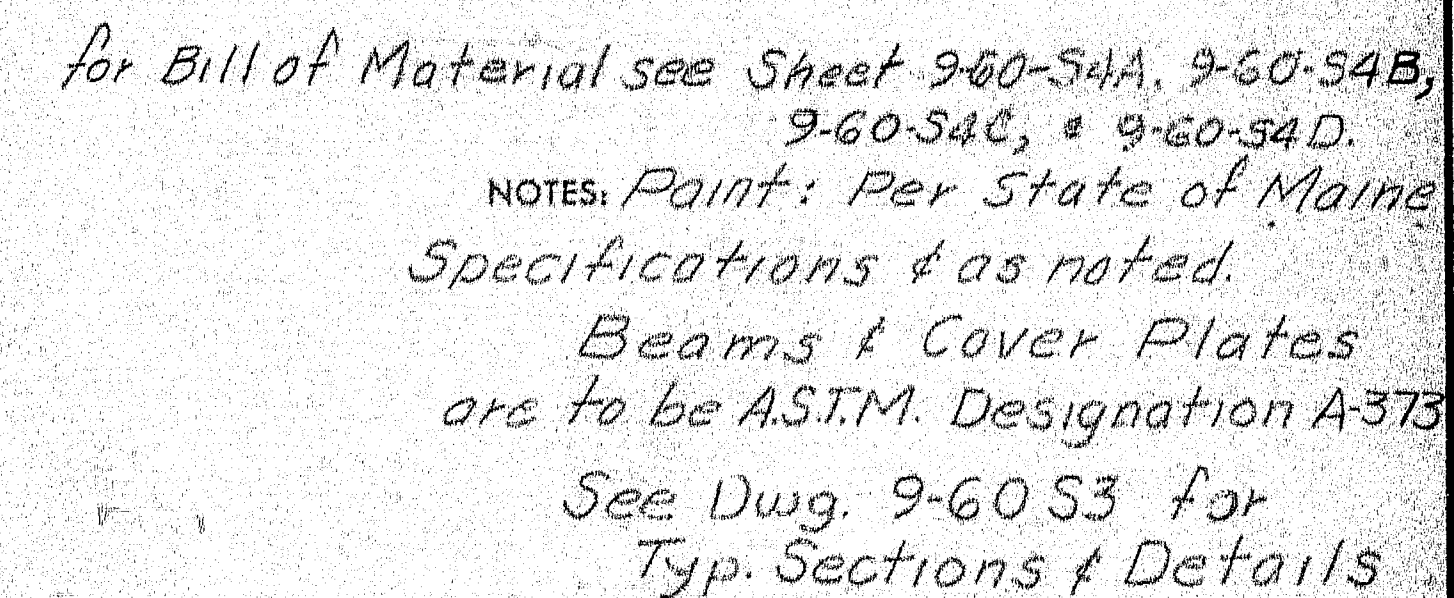
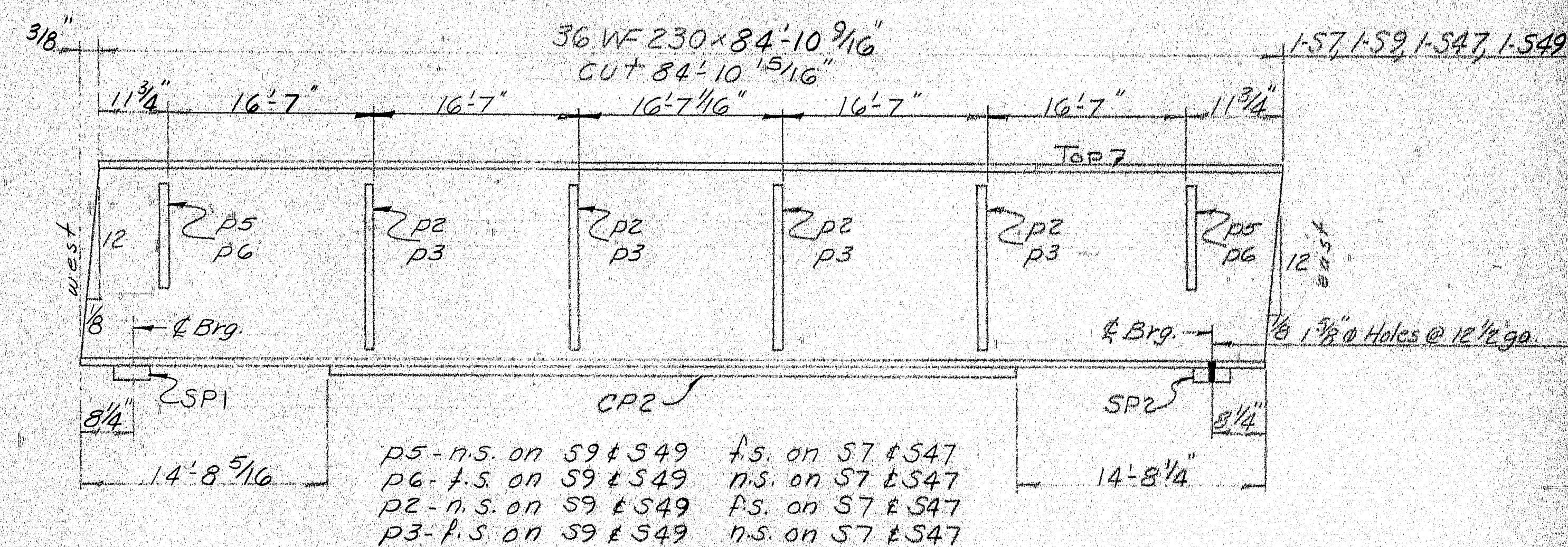
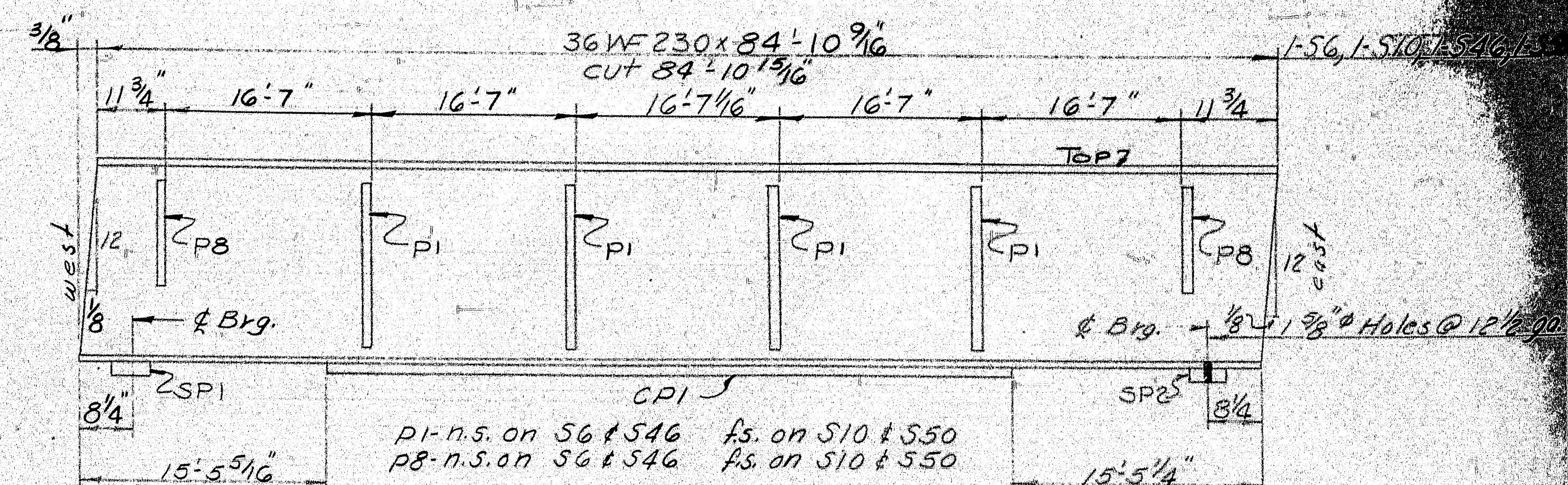
APPROVED 5-12-57

STRINGER DETAILS

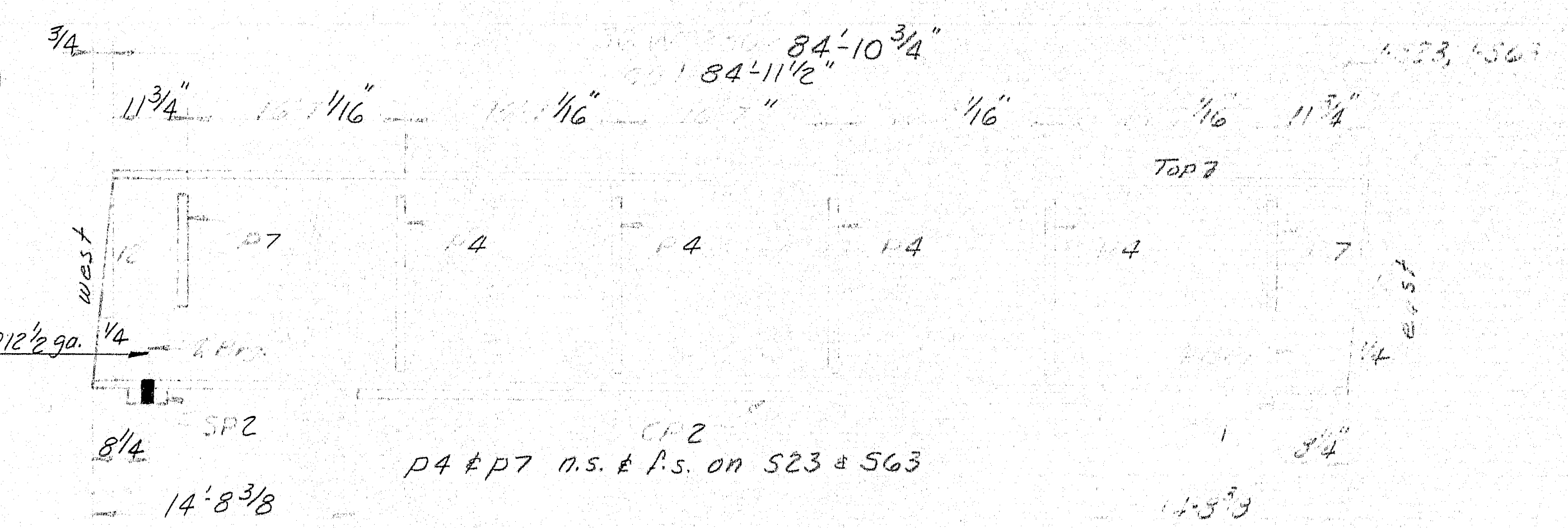
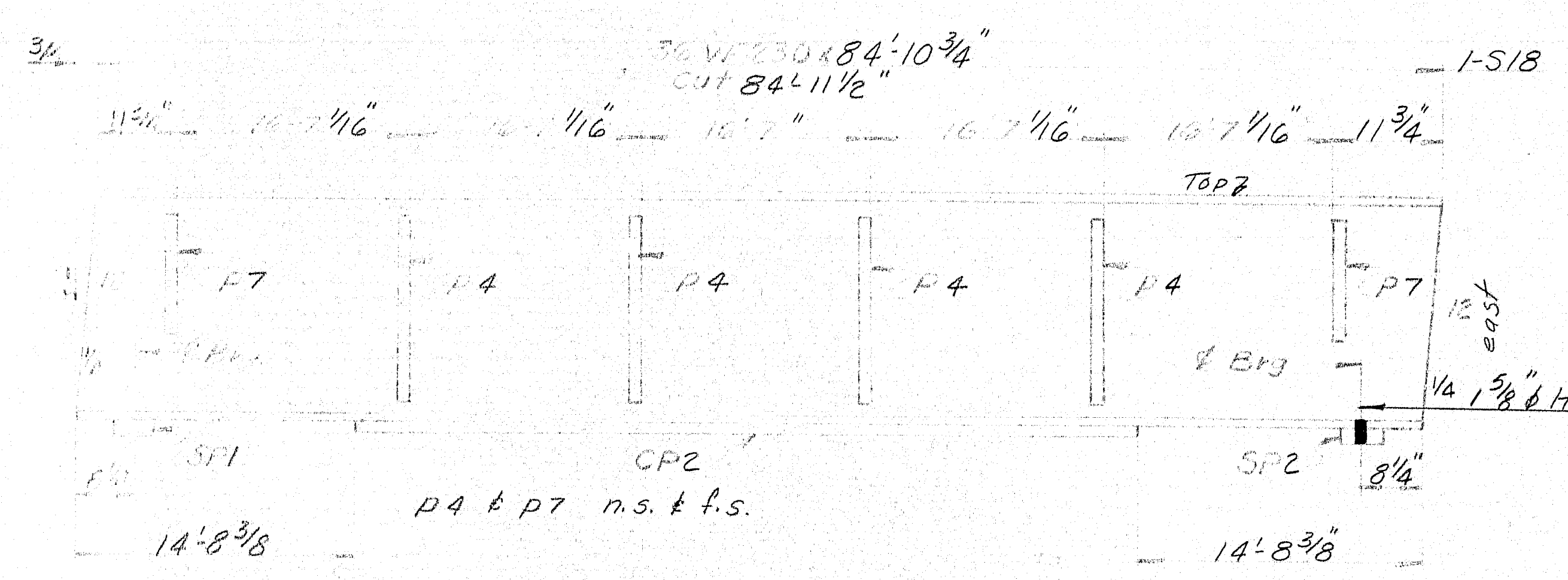
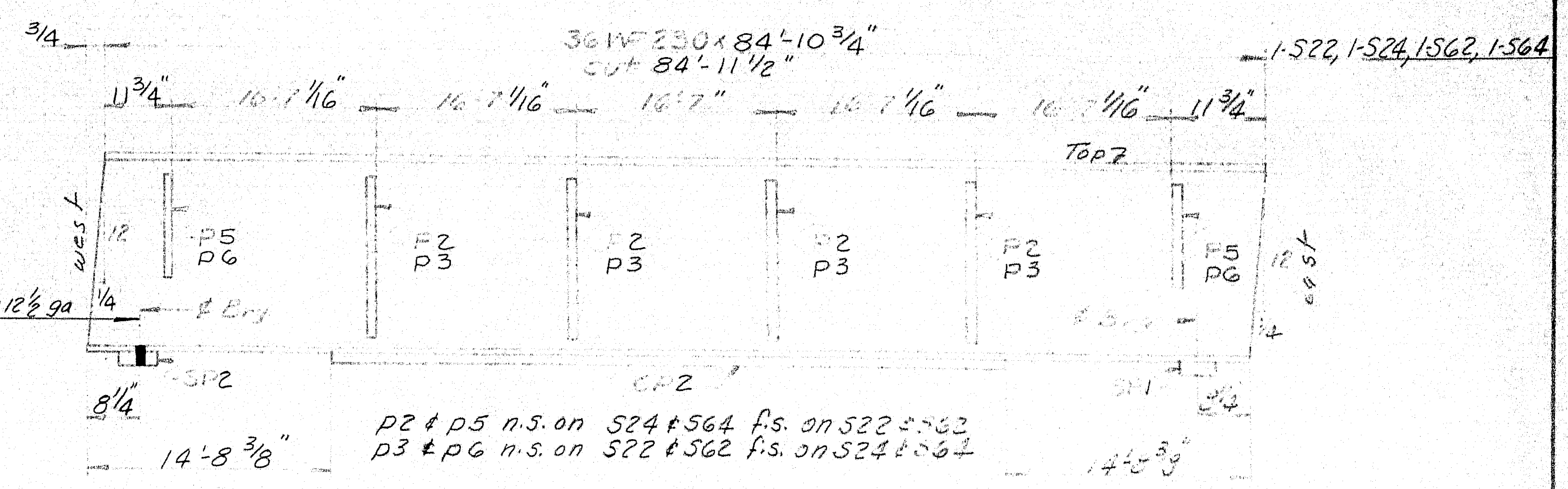
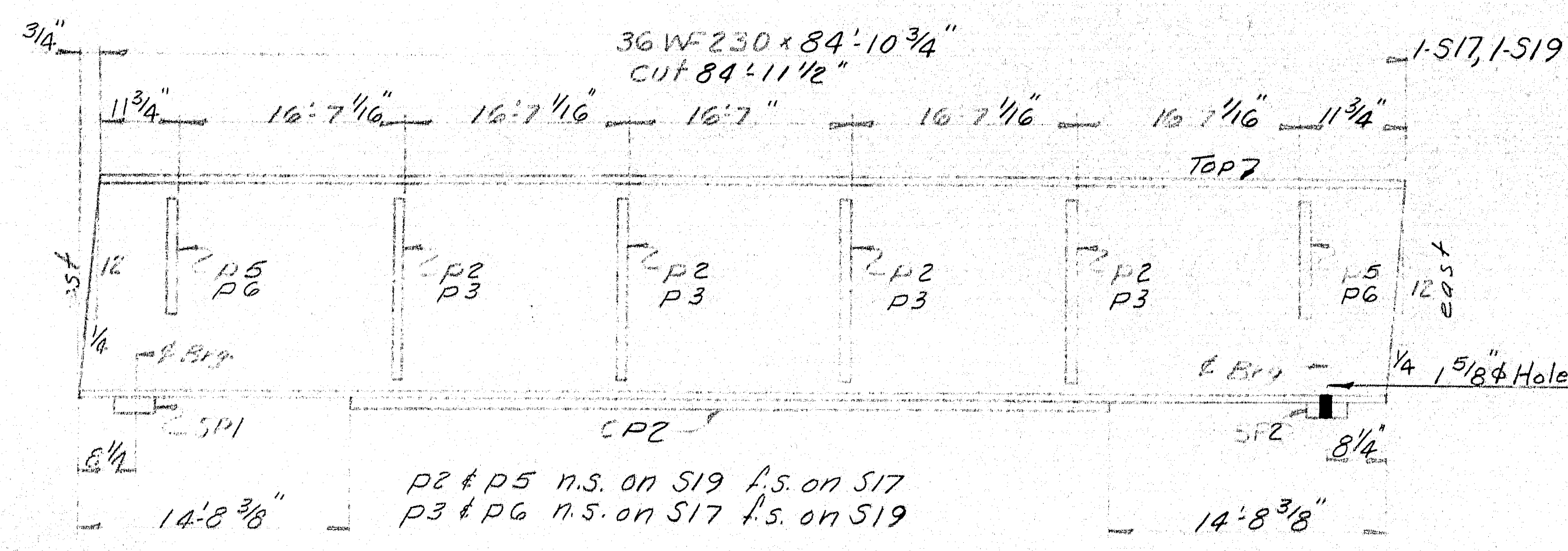
Bancroft & Martin Rollings Mill Company
South Portland 7, Maine

INTERSTATE #95 OVER
MESSALSKEE STEAM
WATERVILLE MAINE

CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKSON ENG'G CO.



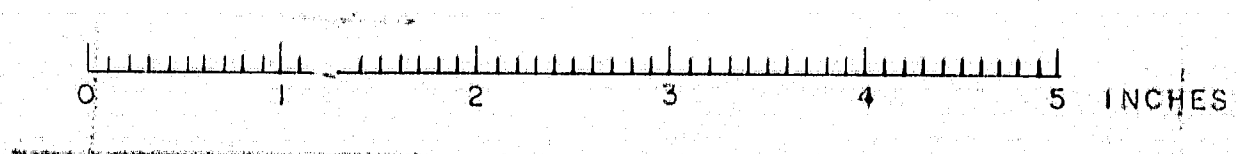
DRAWN	4.22.59	ESM
REVISION		
REVISION		
REVISION		

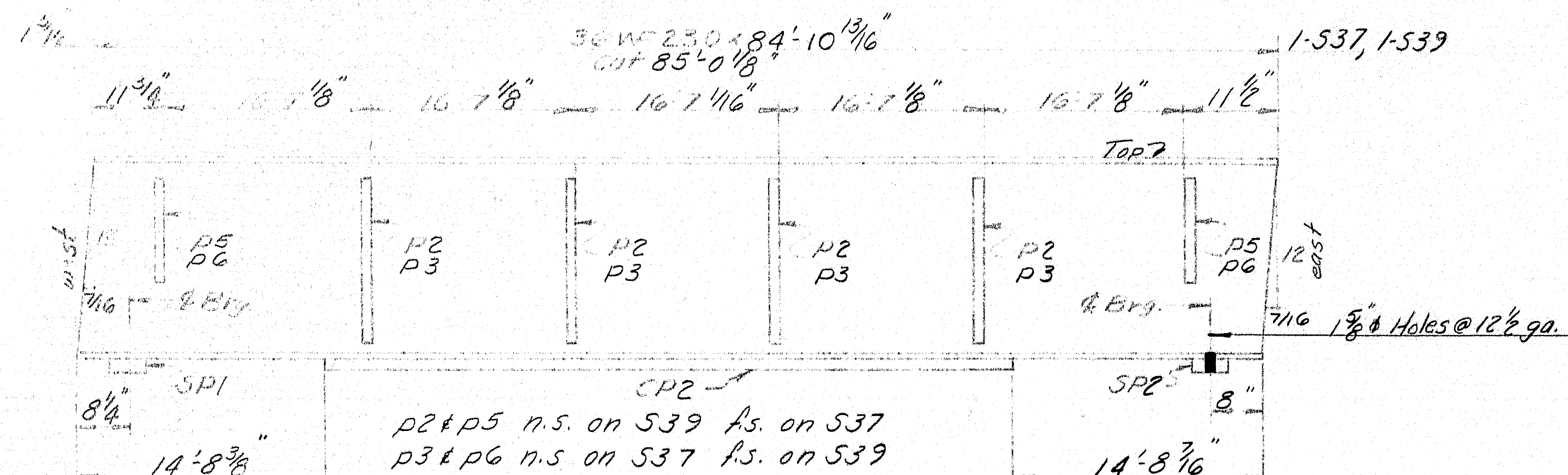
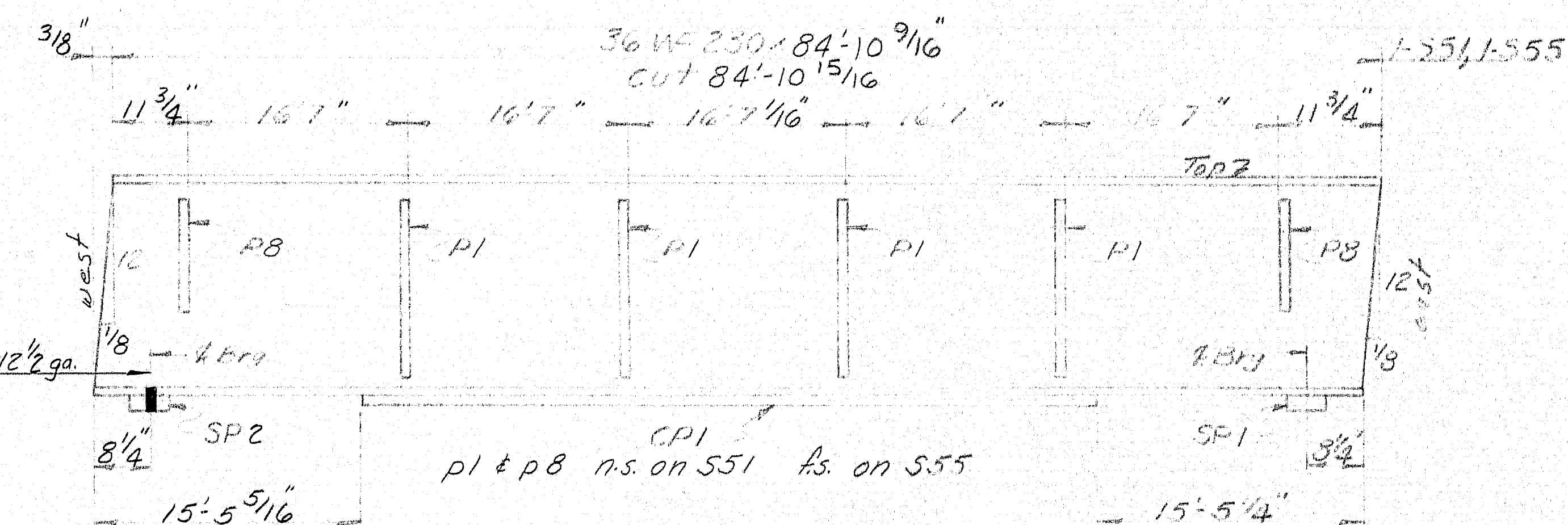
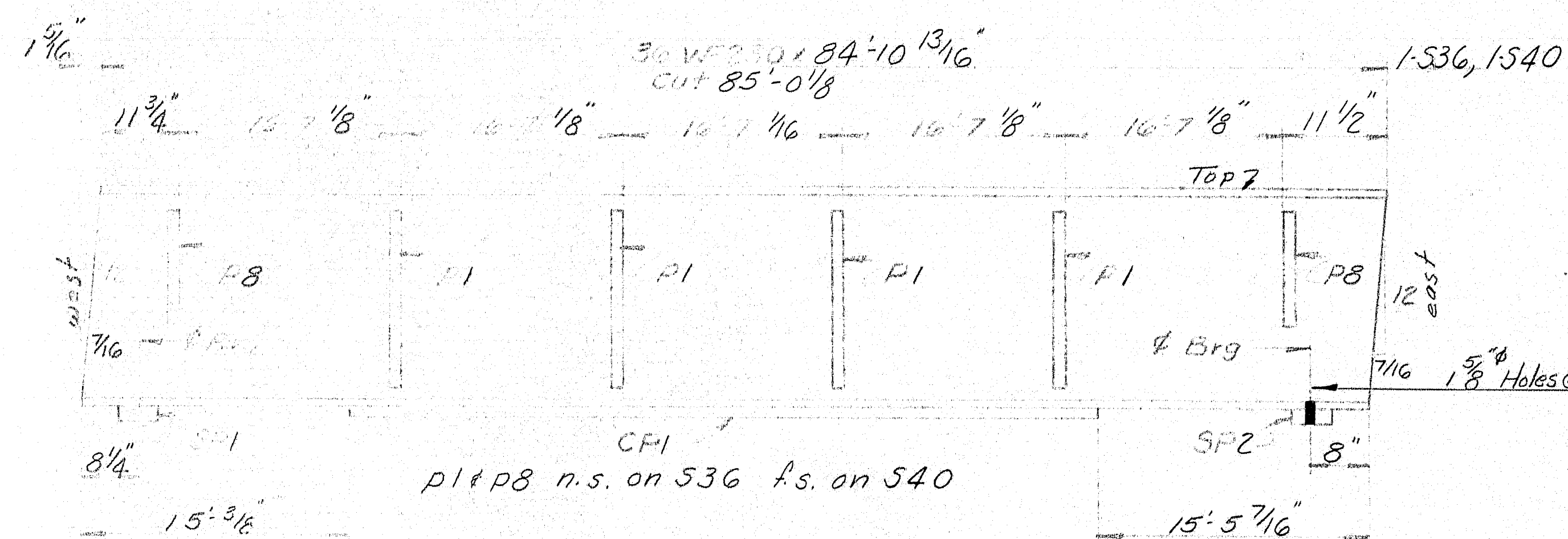
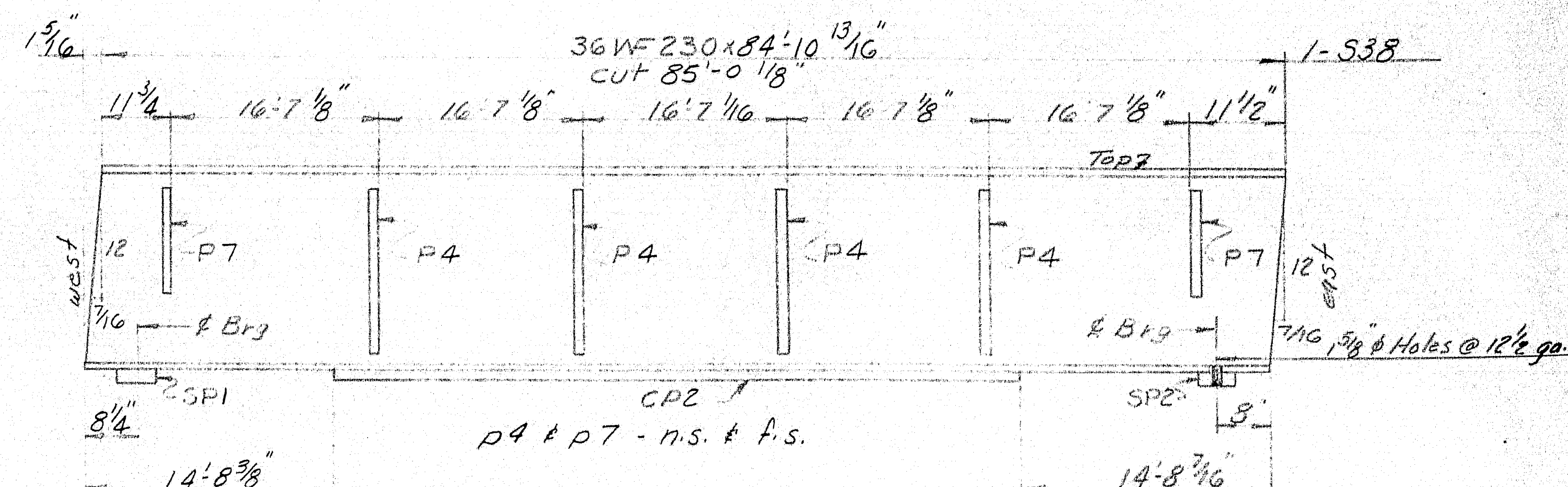
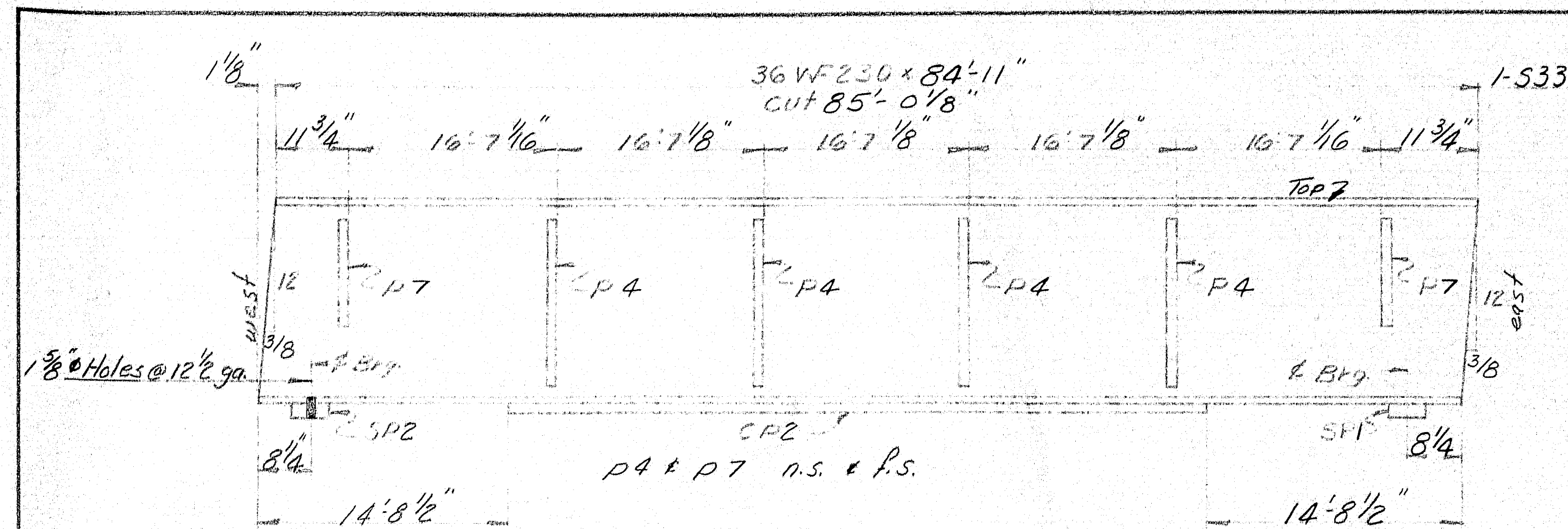


for Bill of Material see sheet 2-60-558 & 2-60-560

NOTES: 1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.
4. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.

DRAWN 4-23-59		REVISION		REVISION		REVISION		REVISION	
CUSTOMER		DESIGNER		ORDER NO.		DWG. NO.		77-148	





for Bill of Material see Sheet 9-60-S7B, 9-60-S8A & 9-60-S33

NOTES: Paint: Per State of Maine Specifications & as noted.

Beams & Cover Plates

are to be ASTM Designation A373

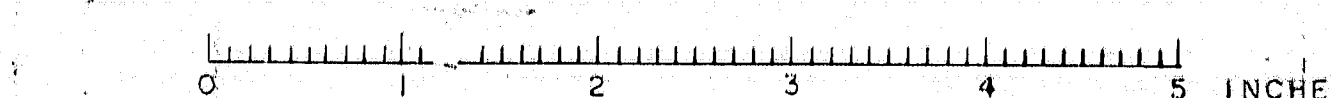
See Day 9-60-S3 for

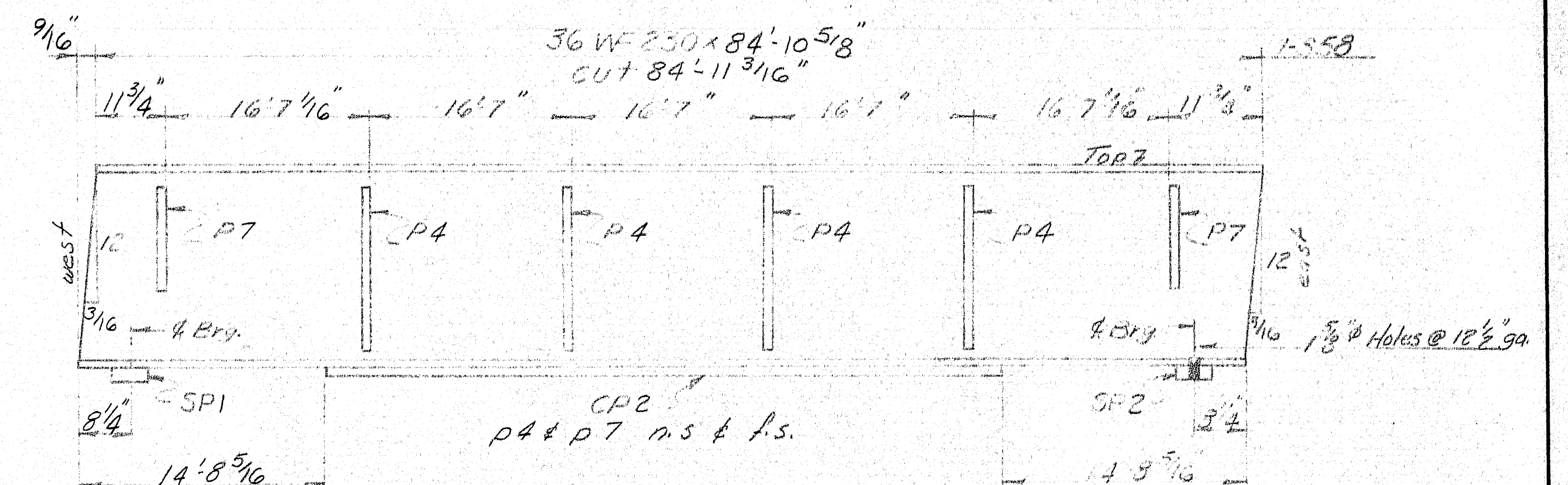
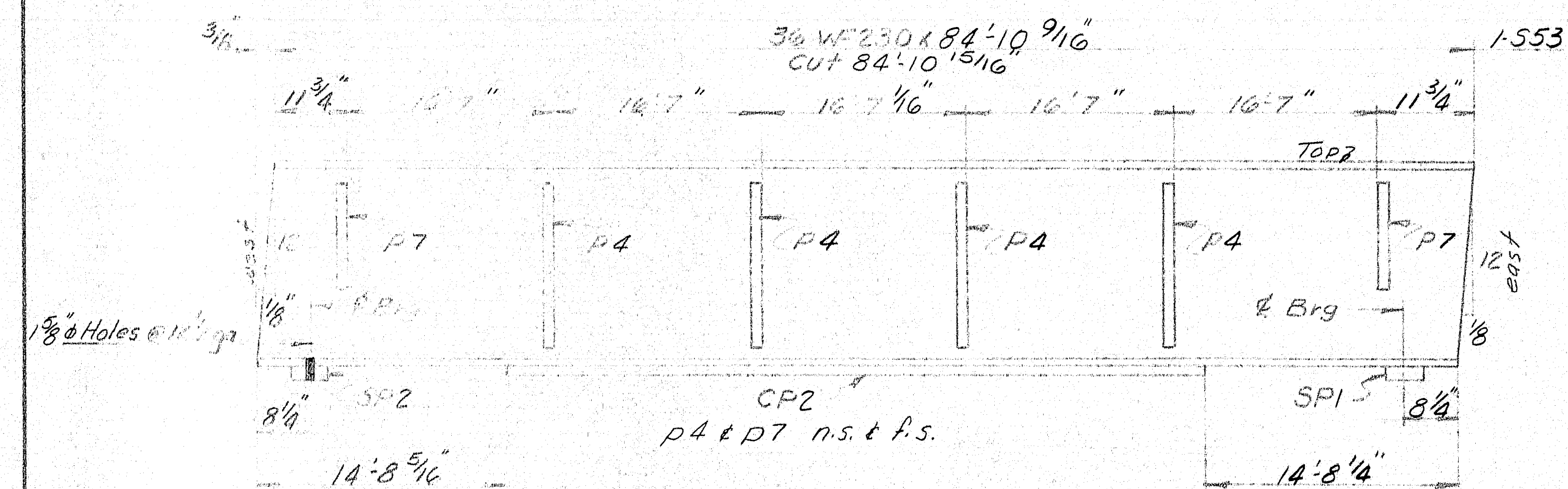
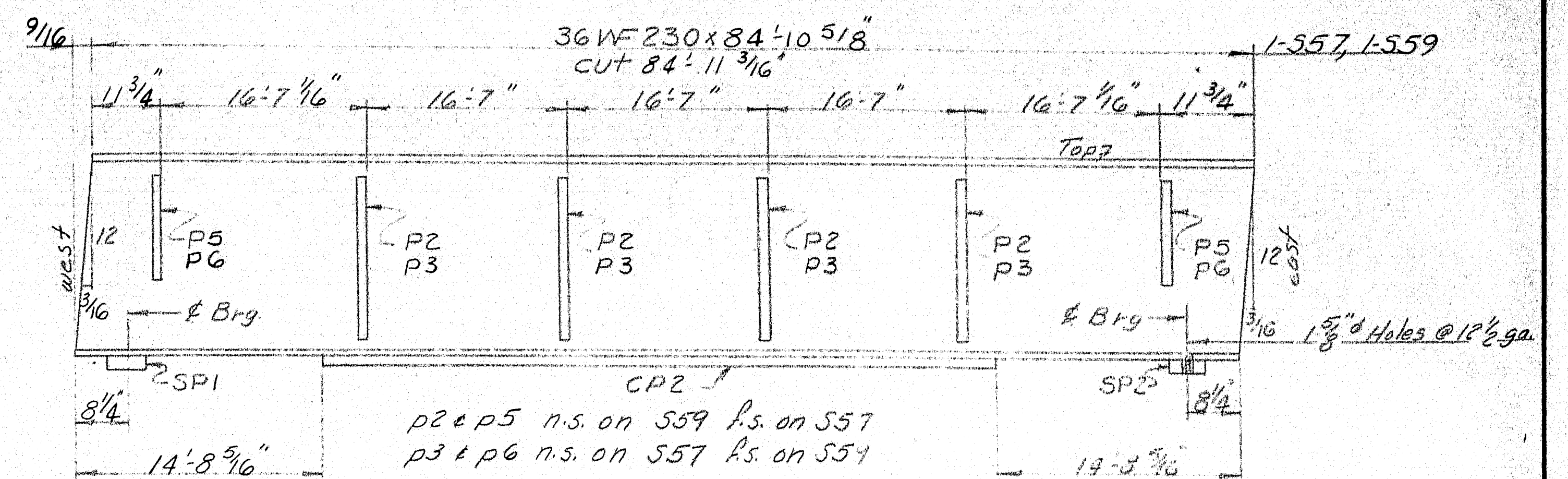
Typ. Sections & Details

STRINGER DETAILS	
Bancroft & Martin Rolling Mills Company	
South Portland 7, Maine	
INTERSTATE #95 OVER	
MESSALONSKEE STREAM	
WATERVILLE, MAINE	
CUSTOMER CIALCHETTE BECS.	
DESIGNER THE CLARKSON ENGINE CO.	
ORDER NO. VERBAL	DWG. NO. 9-60-SB

DRAWN	4-24-59	V.B.M.
REVISION		
REVISION		
REVISION		

✓



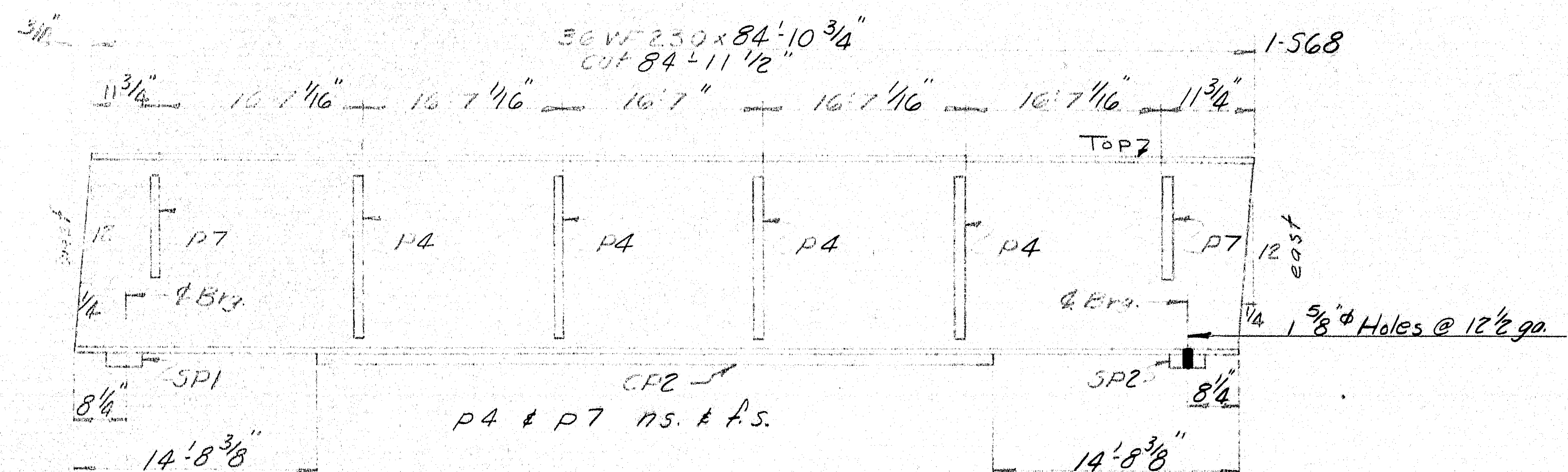
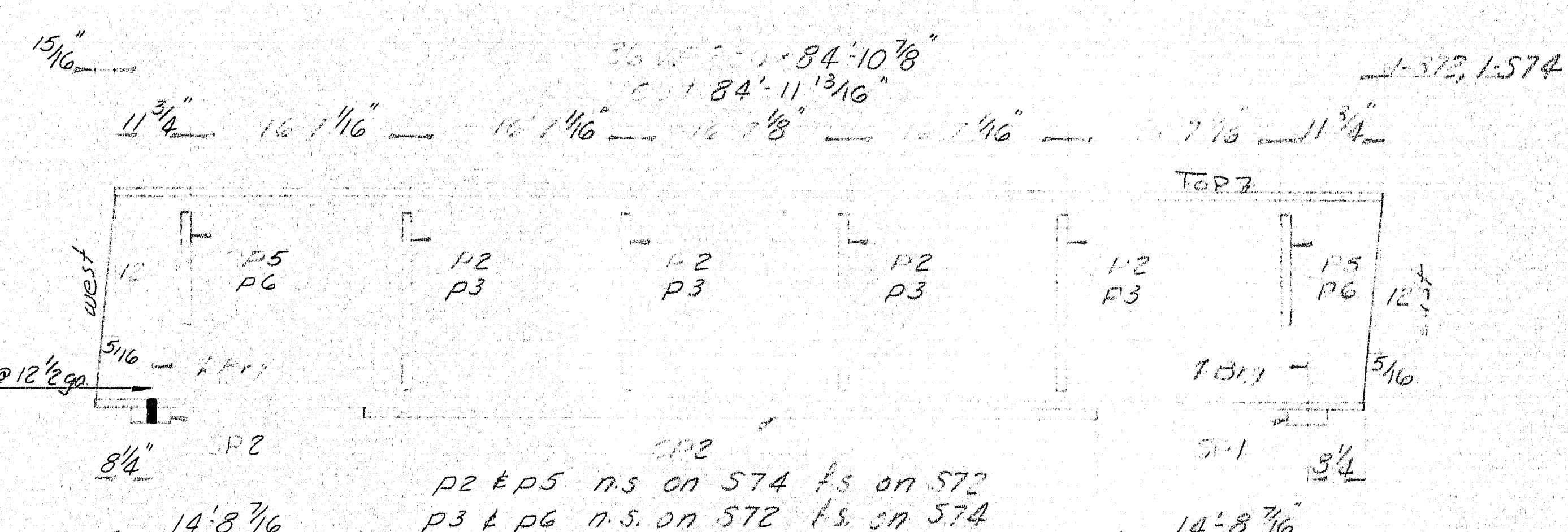
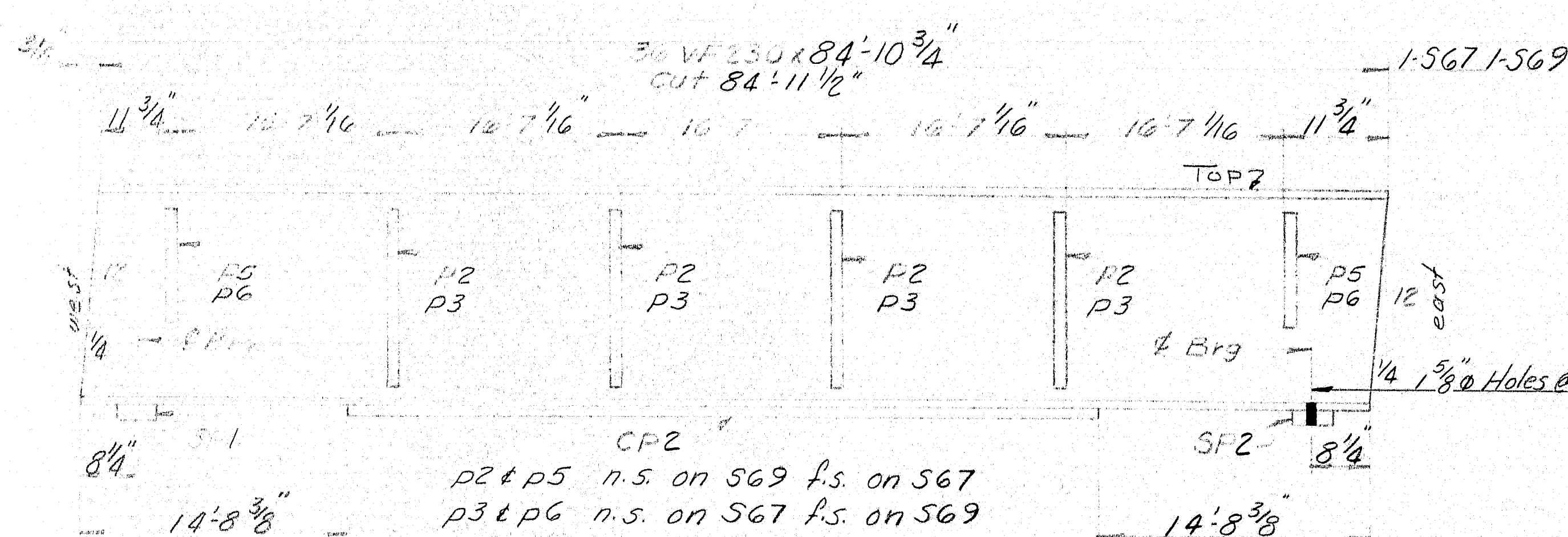
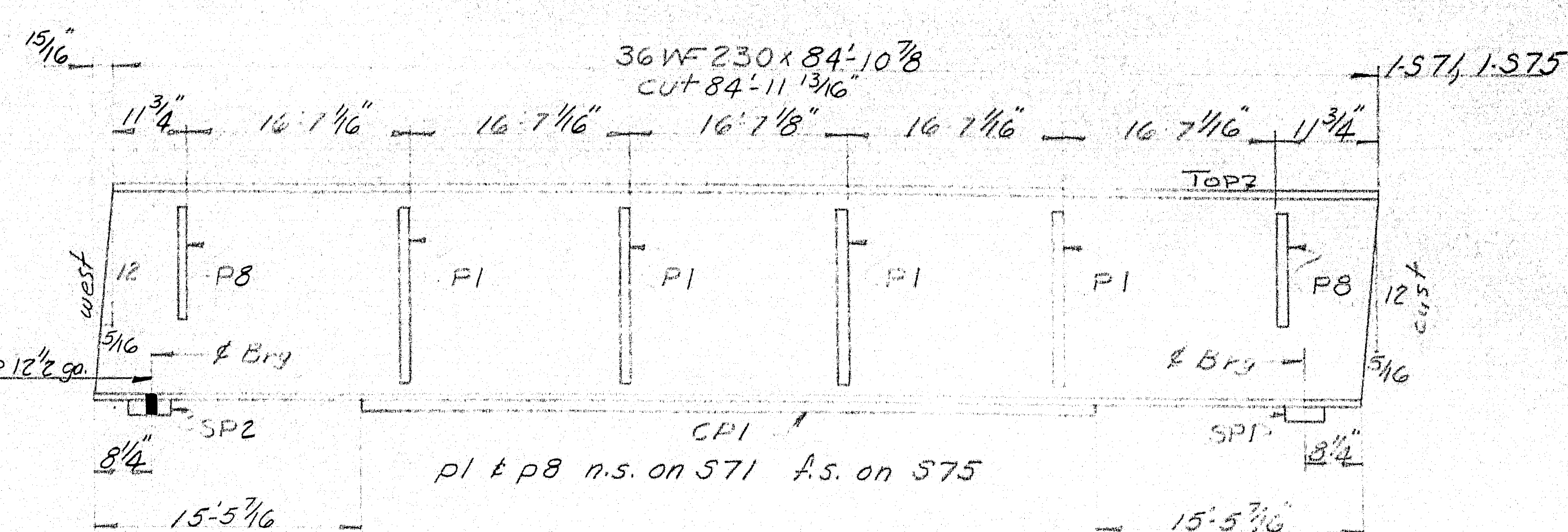
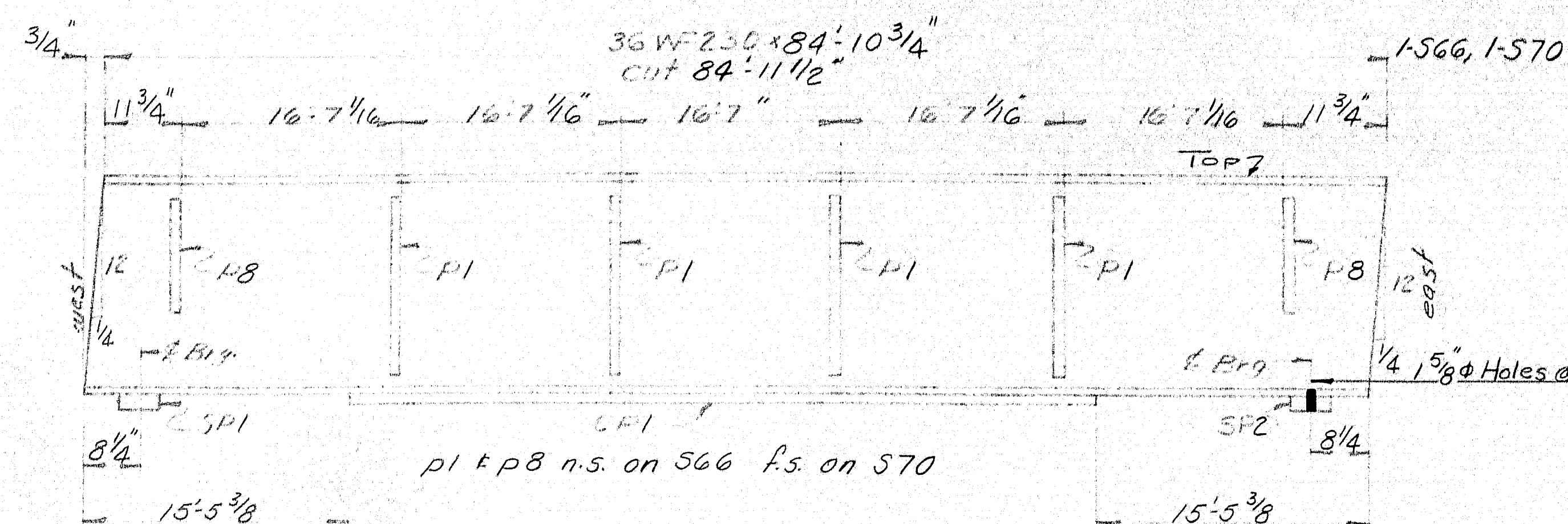


NOTES: Paint: Per State of Maine
Specifications & as noted.

Beams & Cover Plates
are to be ASTM Designation A-373

See Divg. 9-6055 for
Typ. Sections & Details

Approved 522-59 M	STRINGER DETAILS	
	Bancroft & Martin Rolling Mills Company	
	South Portland 7, Maine	
	INTERSTATE #95 OVER MESSALONSKEE STEAM WATERVILLE, MAINE	
	CUSTOMER CIANCHETTE BEOS. DESIGNER THE CLARKSON ENGR. Co.	
	ORDER NO. 16PRAL	DWG. NO. 260-59

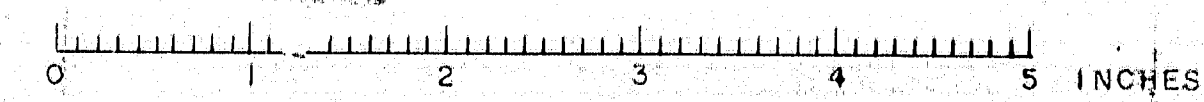


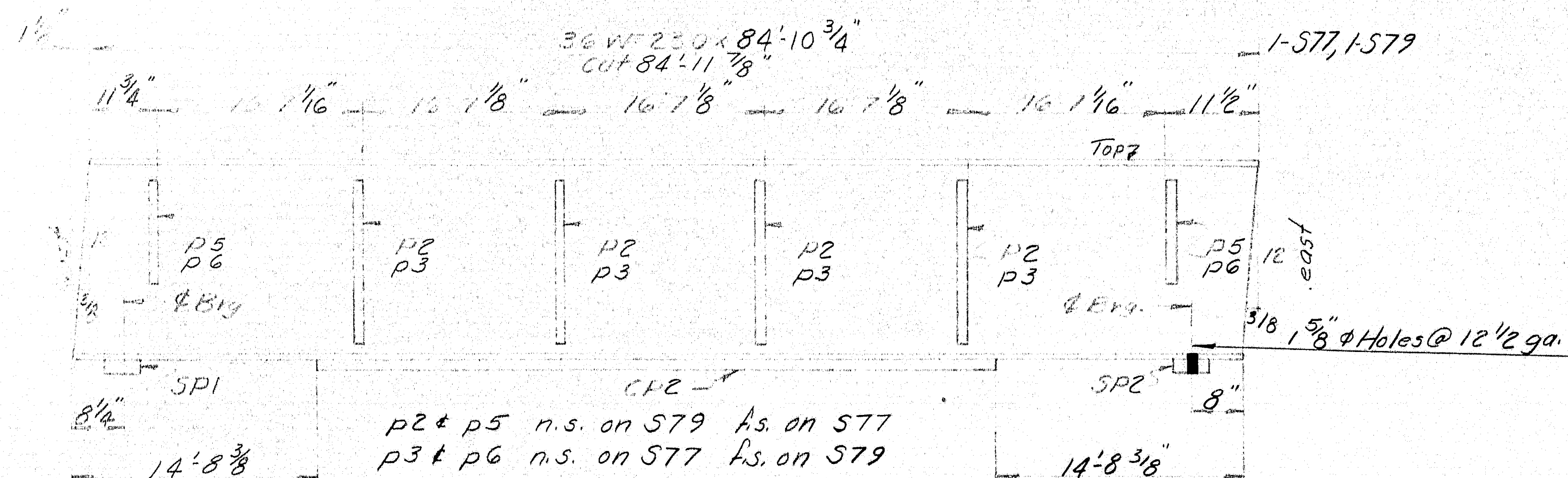
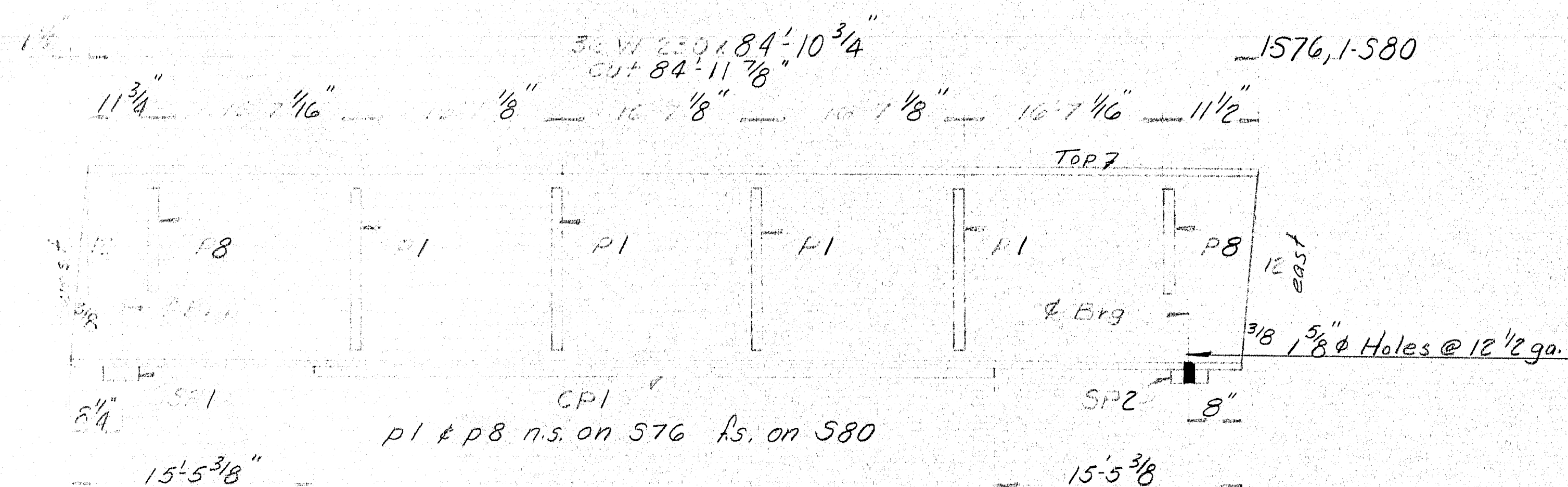
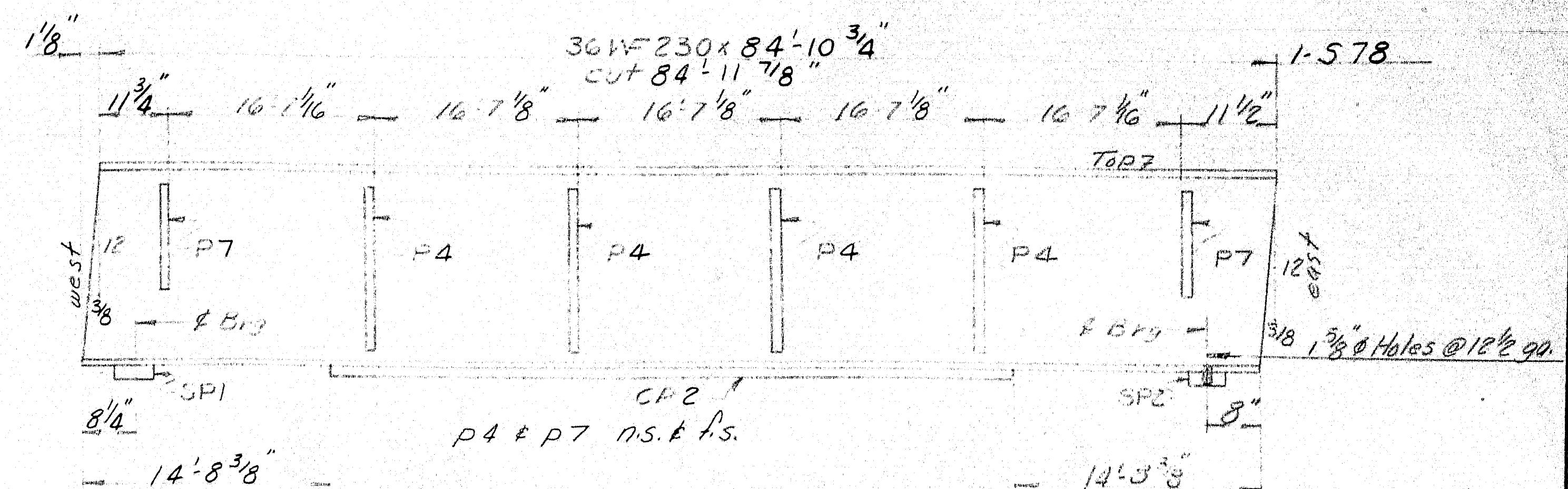
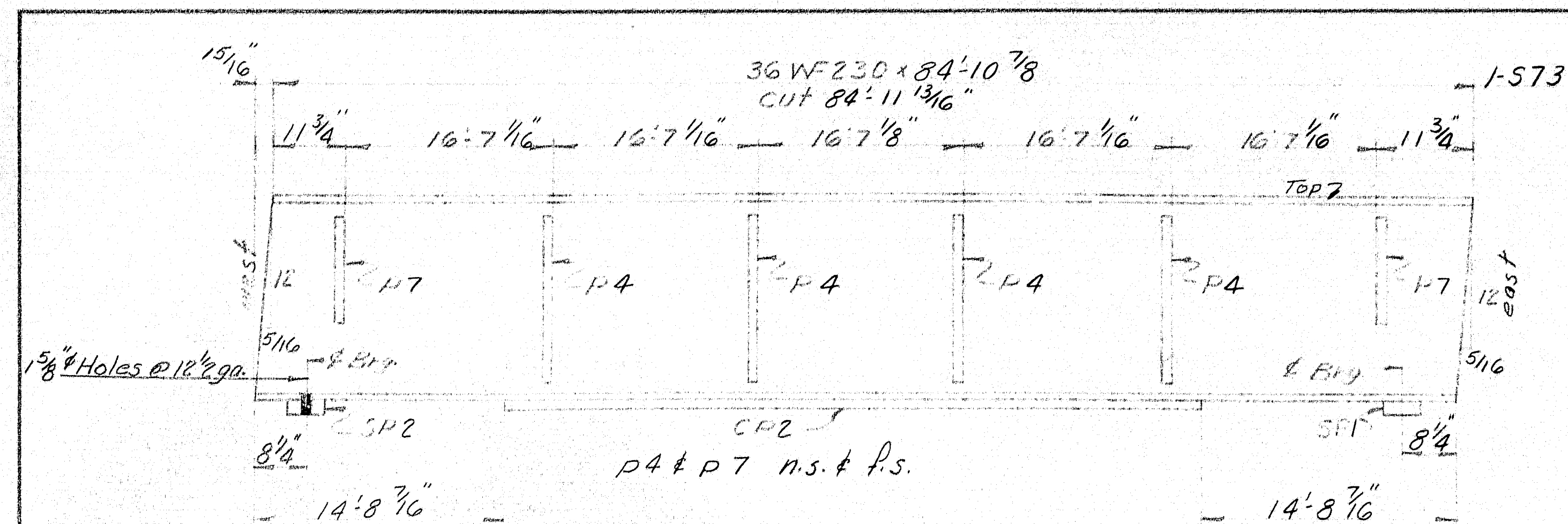
For Bill of Material see Sheet 2-60-510A & 2-60-510B

NOTES: Paint: Per State of Maine Specifications & as noted.
 Bolts & Cover Plates are to be A314. Designation A-373
 See Eng. 9-6053 for Typ. Sections & Details

STRINGER DETAILS	
Ramsay & Martin Rolling Mills Company	
South Portland, Maine	
INTERSTATE 95 OVER MESSALONSKEE STEAM WATERVILLE, MAINE	
CUSTOMER CLAUDETTE BEOS.	
DESIGNER THE CLARKSON ENGINE CO.	
ORDER NO. 1-60-510	DWG. NO. 2-60-510

DRAWN	4-25-59	ZEM
REVISION		
REVISION		
REVISION		



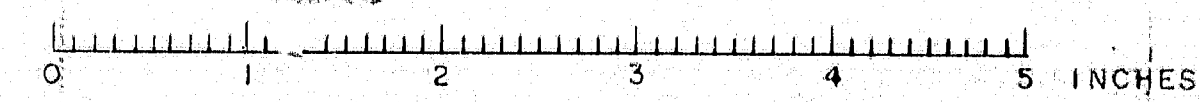


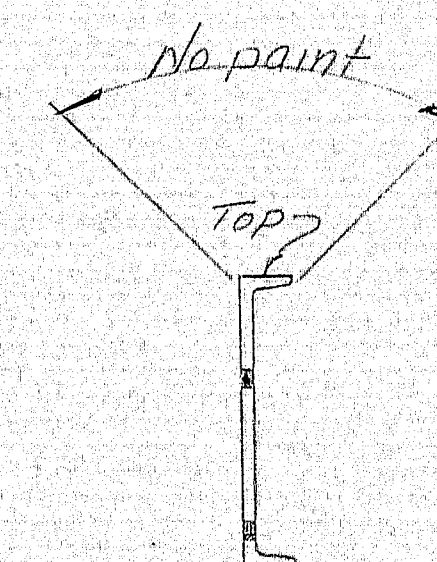
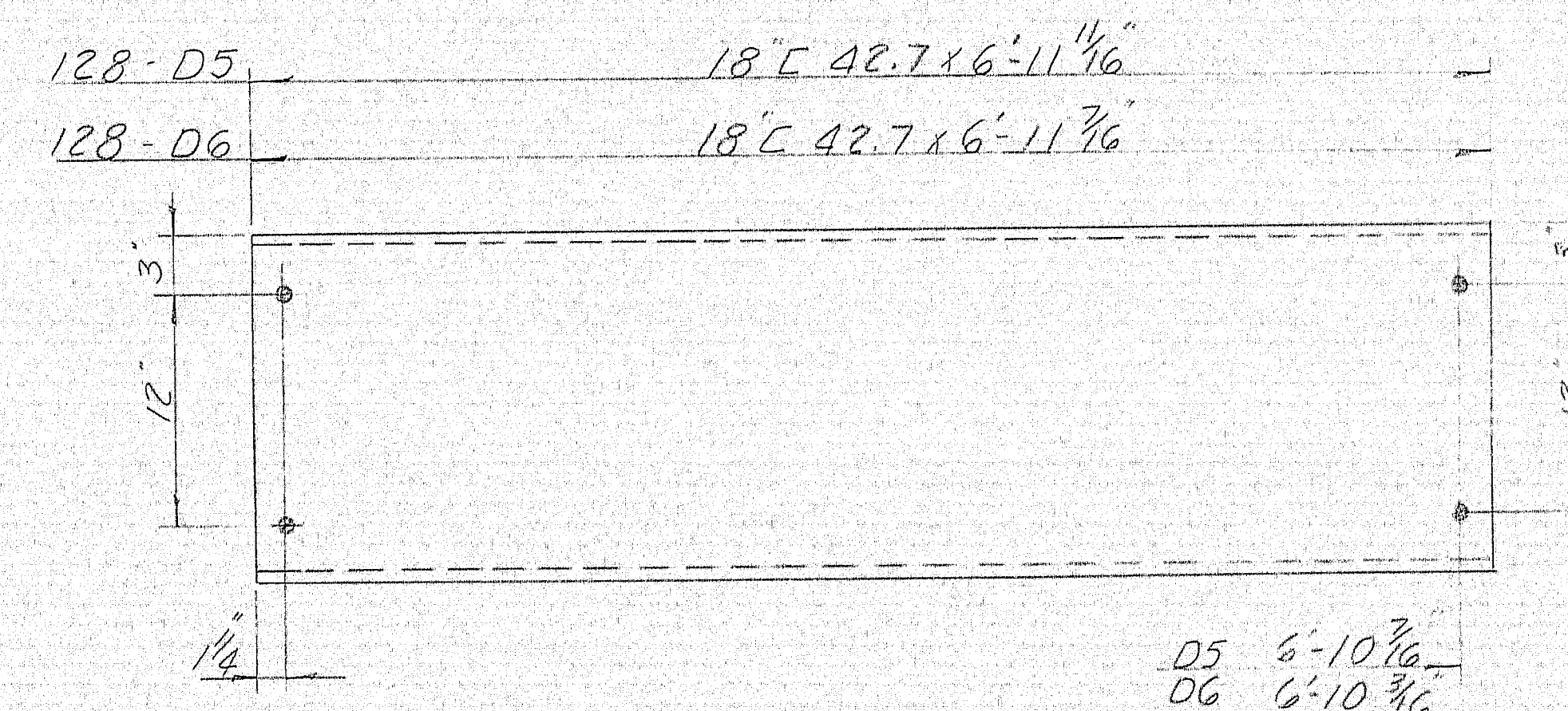
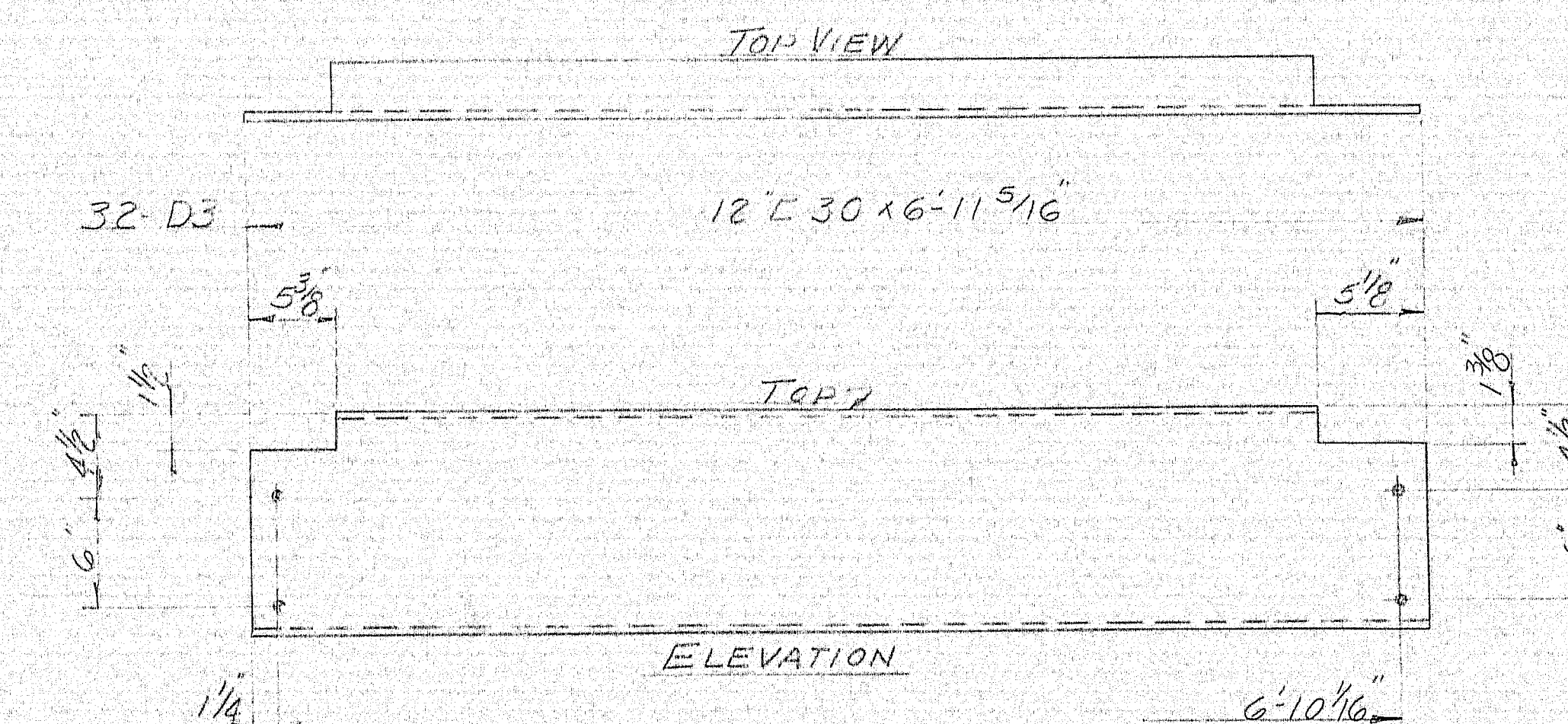
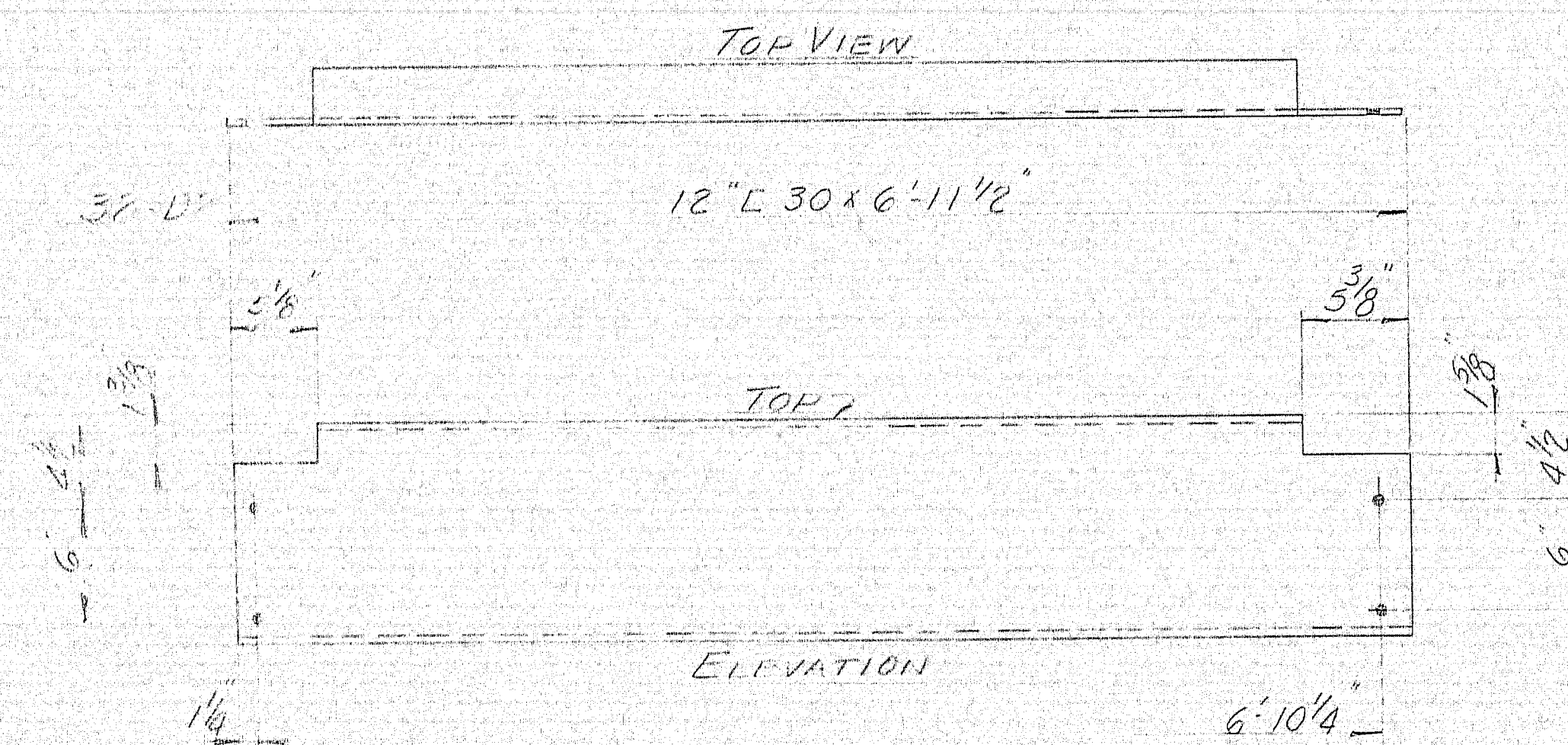
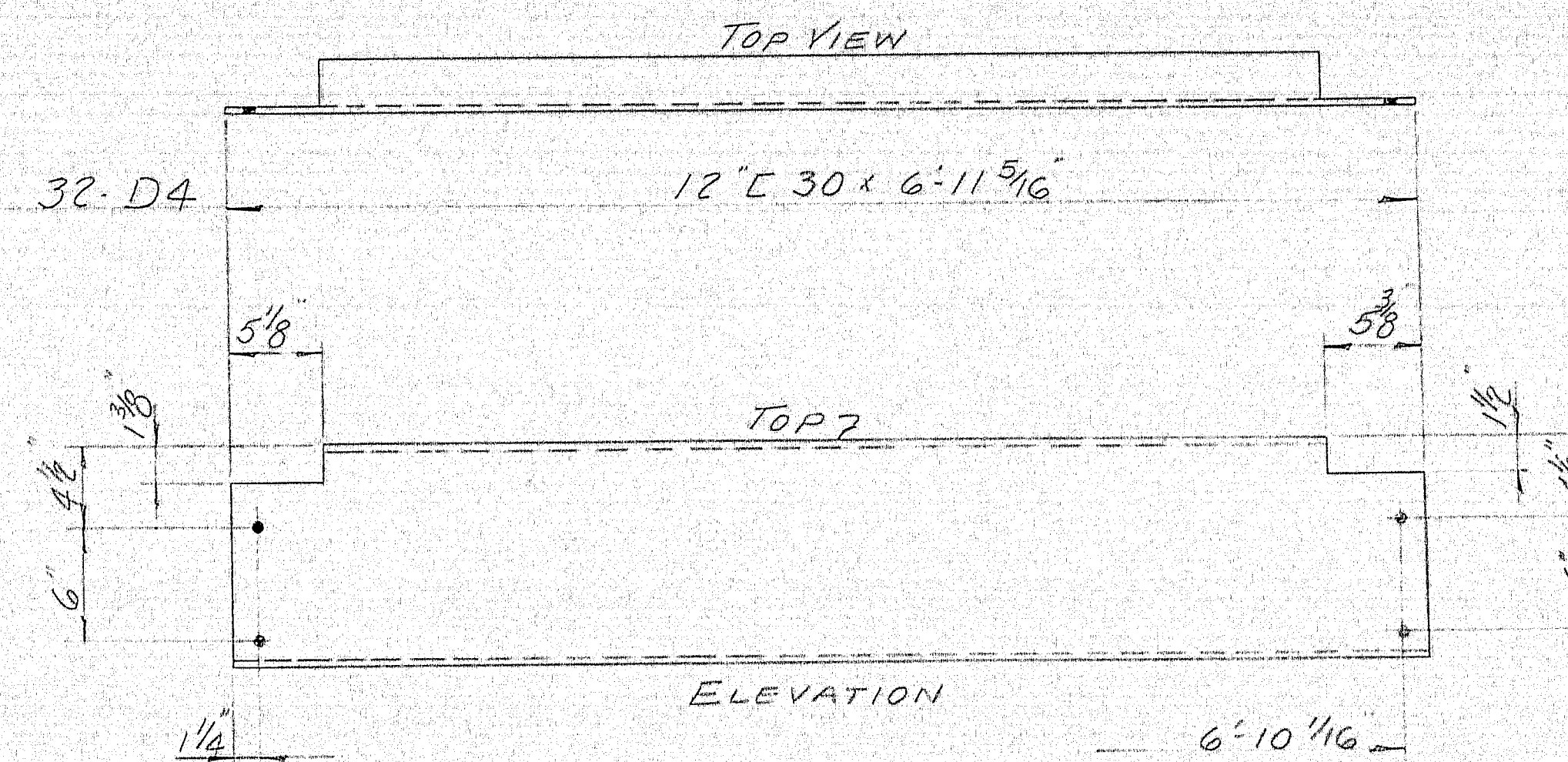
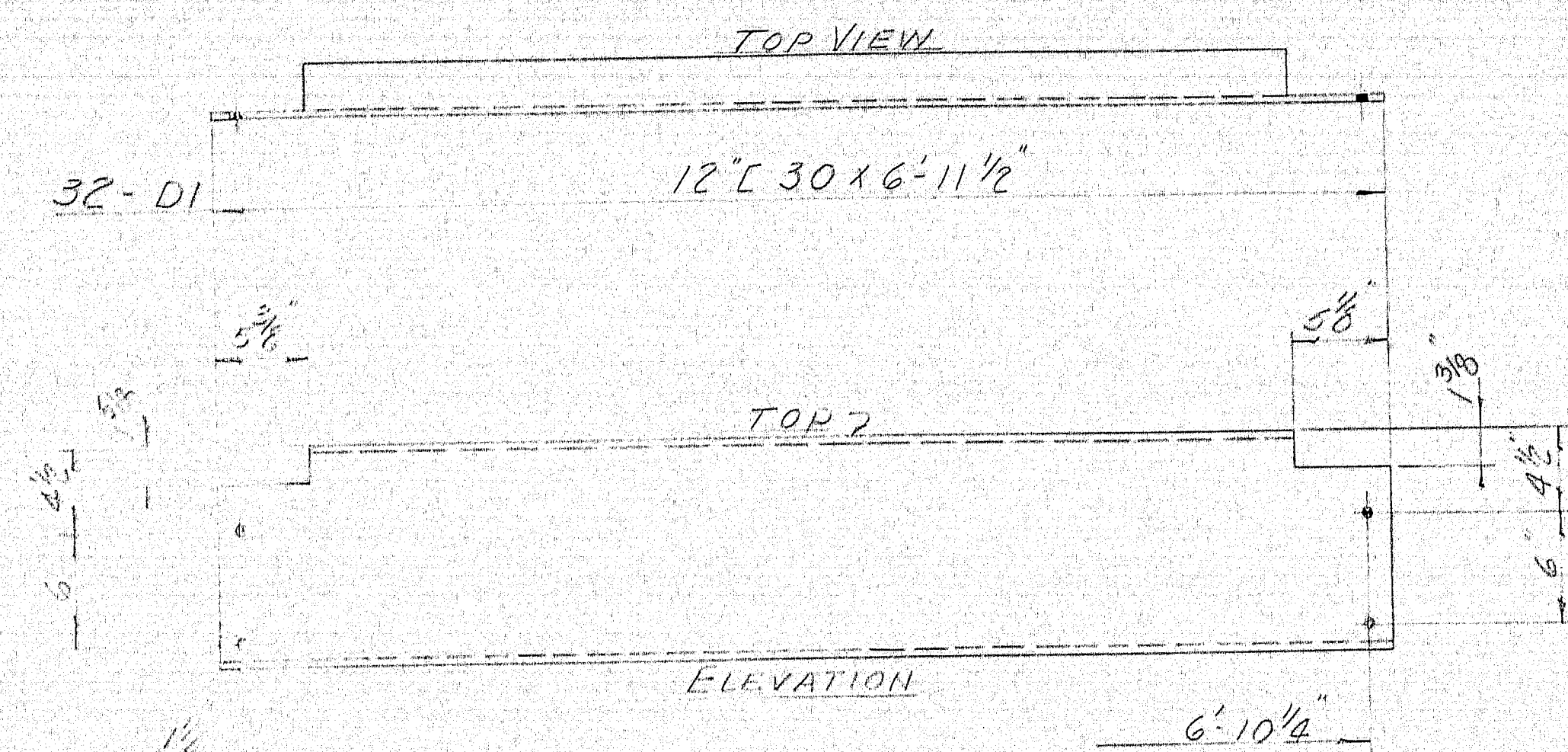
For Bill of Material see sheet 9-60-511A

NOTES: 1. DATE: Per State of Maine
2. SECTION: 1-576, 1-580
3. DIMS & COVER PLATES
4. AS TO ASTM DESIGNATION A373
5. SEE Dwg. 9-60-511 for
6. TYP. SECTIONS & DETAILS

STEELER DETAILS	
Brancoff & Martin, Rolling Mills Company	
South Portland, Maine	
INTERSTATE 95 OVER MESSALONSKEE STREAM WATerville, MAINE	
CUSTOMER: CLANCHETTE BEGS.	
DESIGNER: THE CLARKSON ENGINE CO.	
ORDER NO. 1-576, 1-577, 1-578, 1-579	DWG. NO. 9-60-511

DRAWN	4-27-59	FBM
REVISION		
REVISION		
REVISION		





TYPICAL ALL 12" L 30

NOTE:

1. No paint 5" from each end on all Diaphragms

2. All Holes 13/16" Φ.

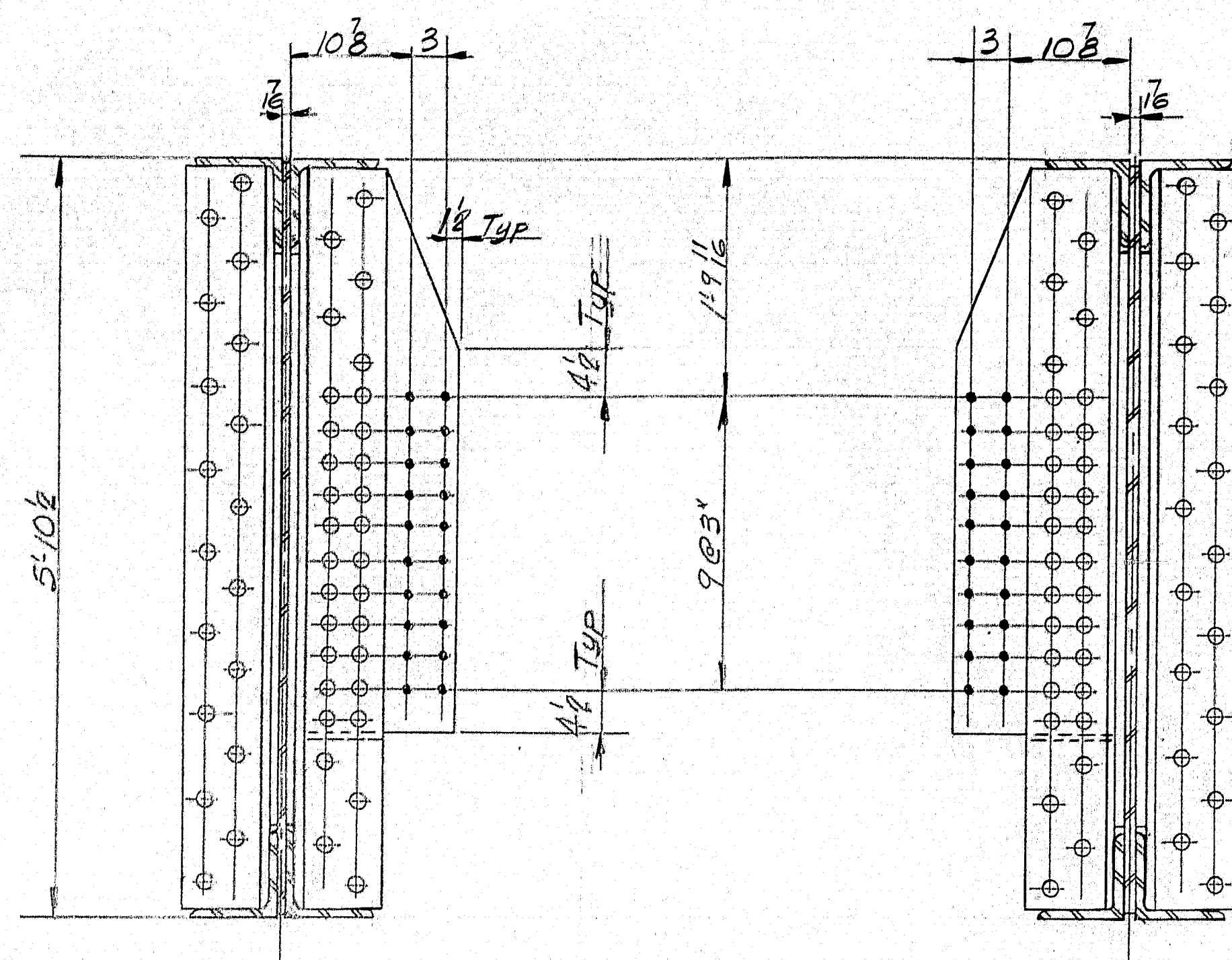
NOTES: PAINT: Per State of Maine Specifications except as noted.

APPROVED 5-22-59

DIAPHRAGM DETAILS	
Bancroft & Martine Rollings Mills Company South Portland 7, Maine	
INTERSTATE #95 OVER MESSALONKEE STREET WATERVILLE, MAINE	
CUSTOMER CLARK HETZEL BROTHERS	
DESIGNER JACKSON ENG'G CO. INC.	
ORDER NO. VERBAL	DWG. NO. 2-60-512

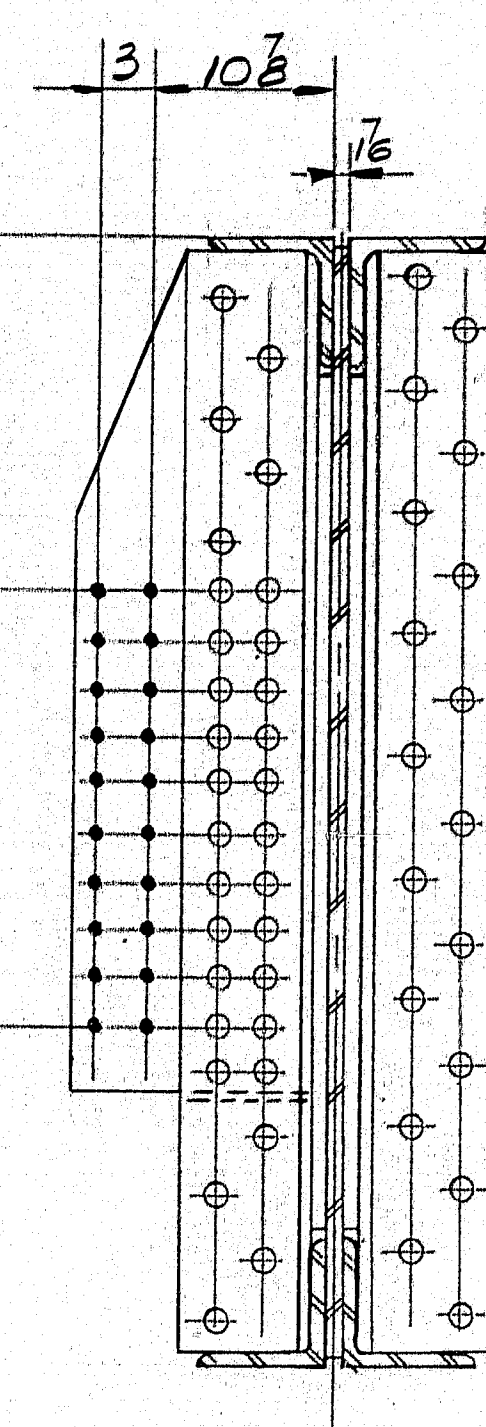
DRAWN	435-52 RWT
REVISION	
REVISION	
REVISION	



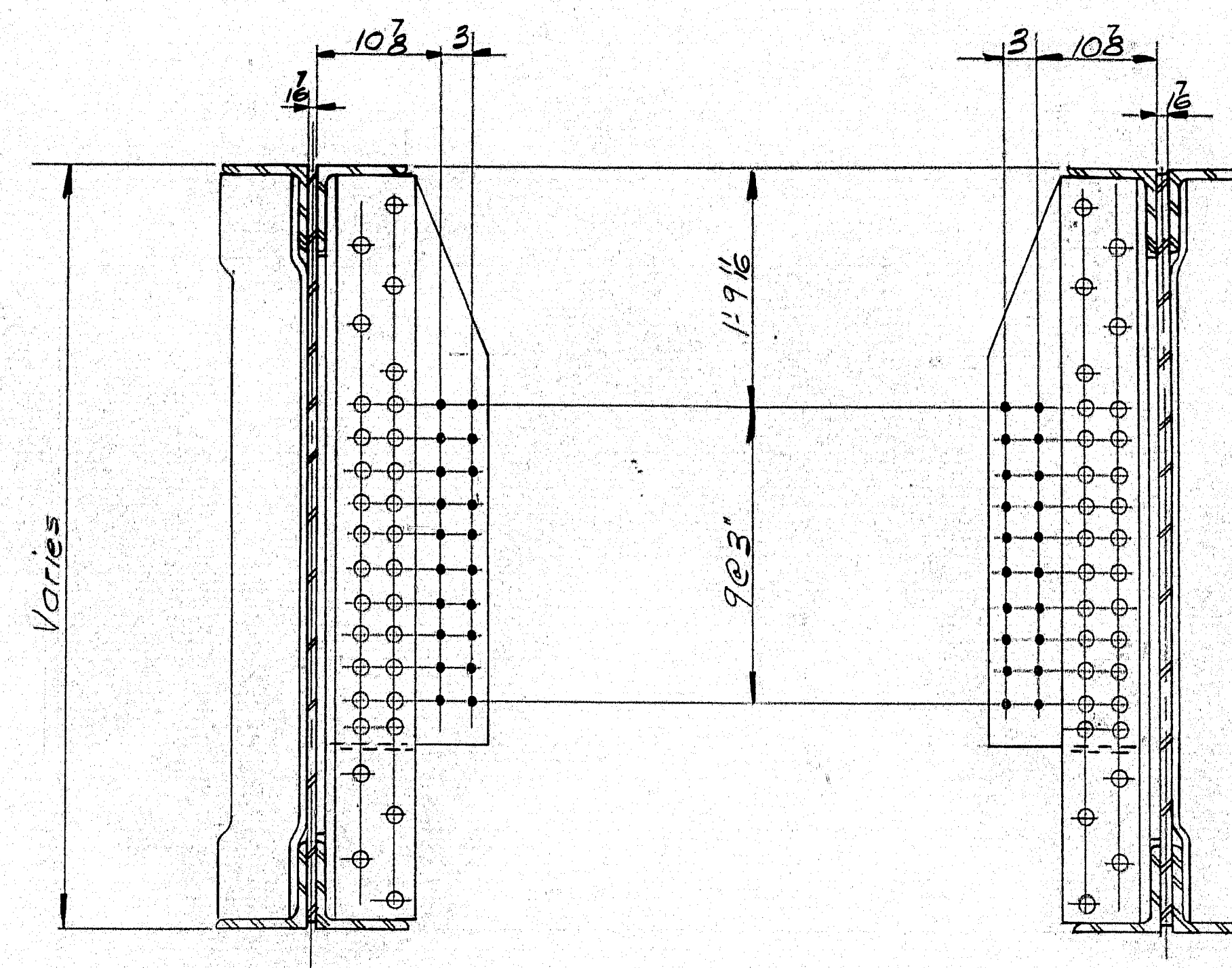


Bearing Pedestals not shown.

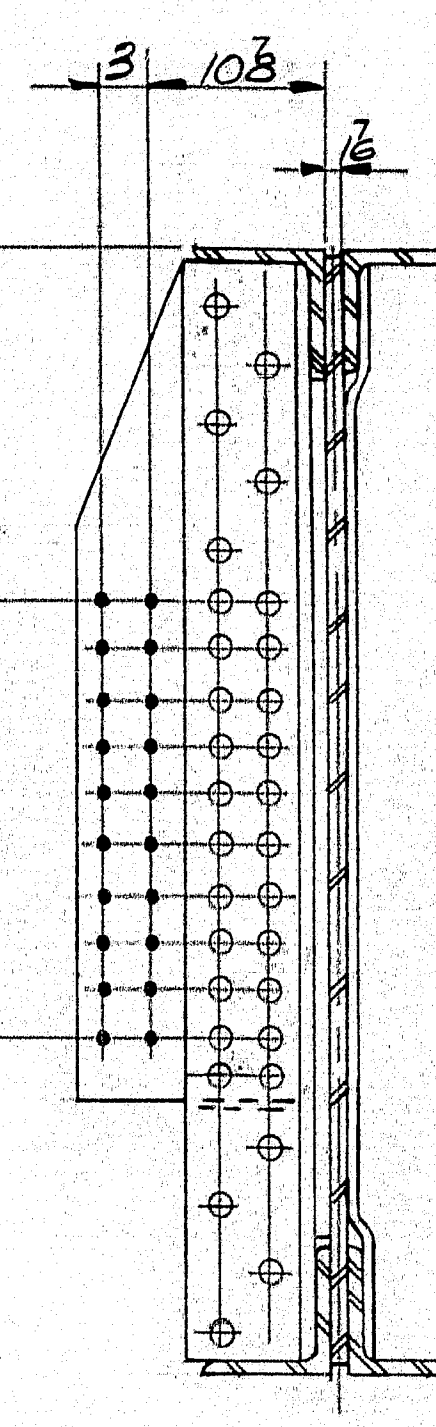
SECTION "1-1"



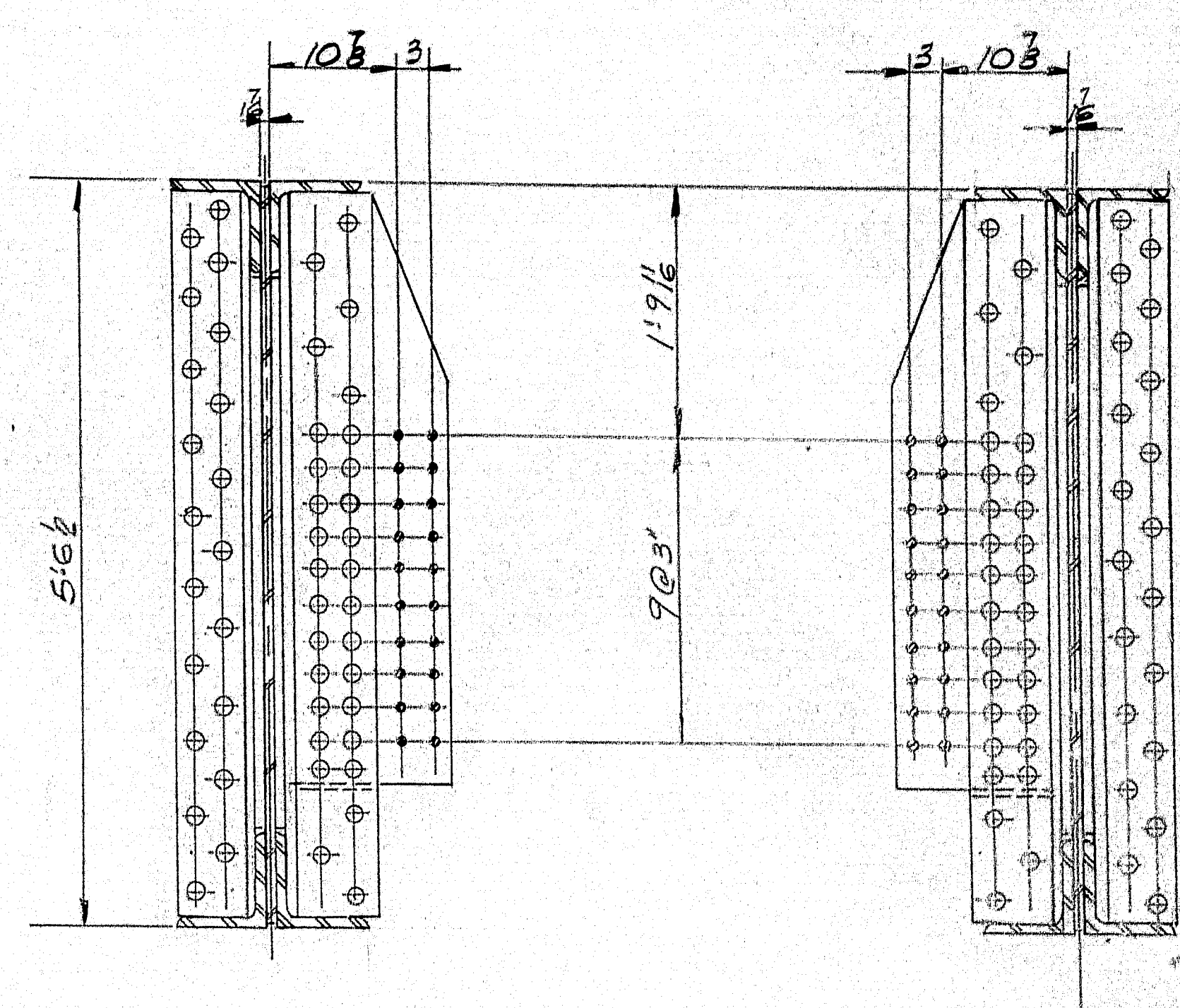
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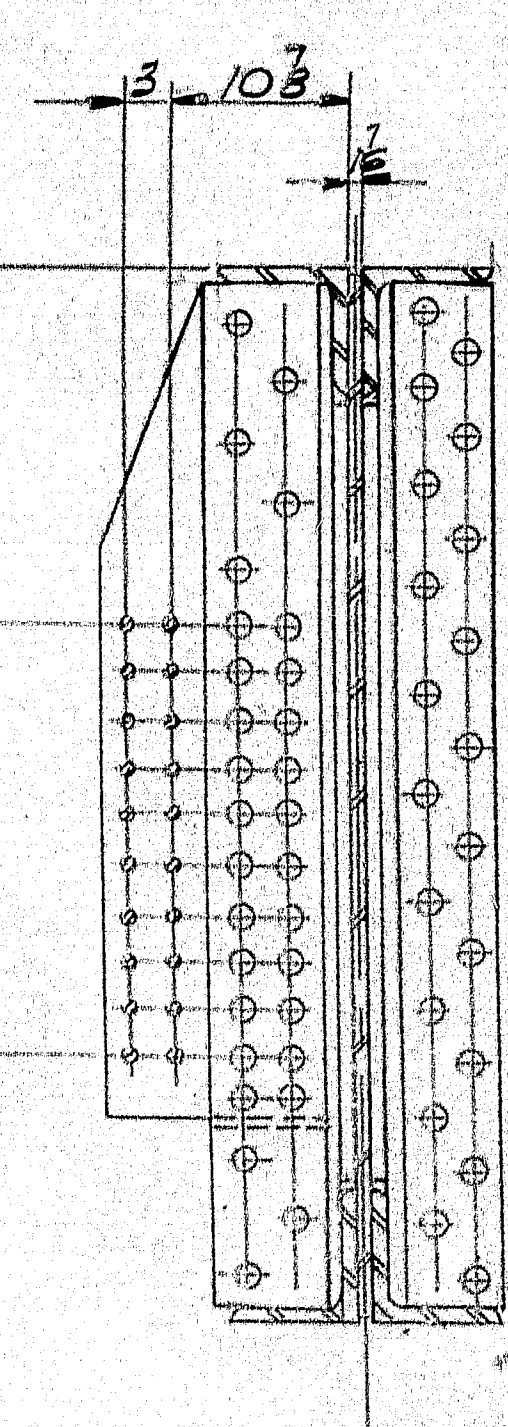
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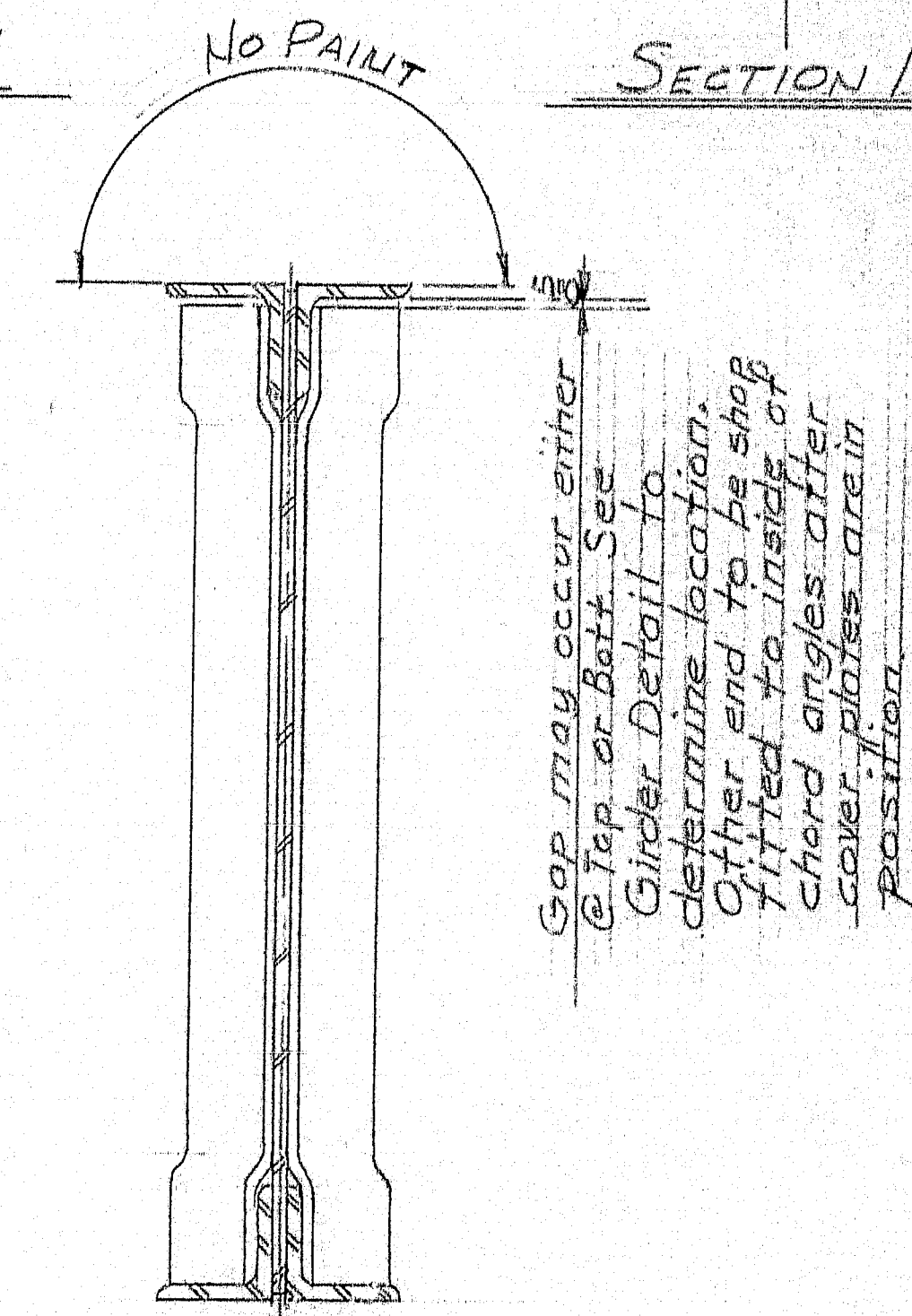
SECTION "4-4"



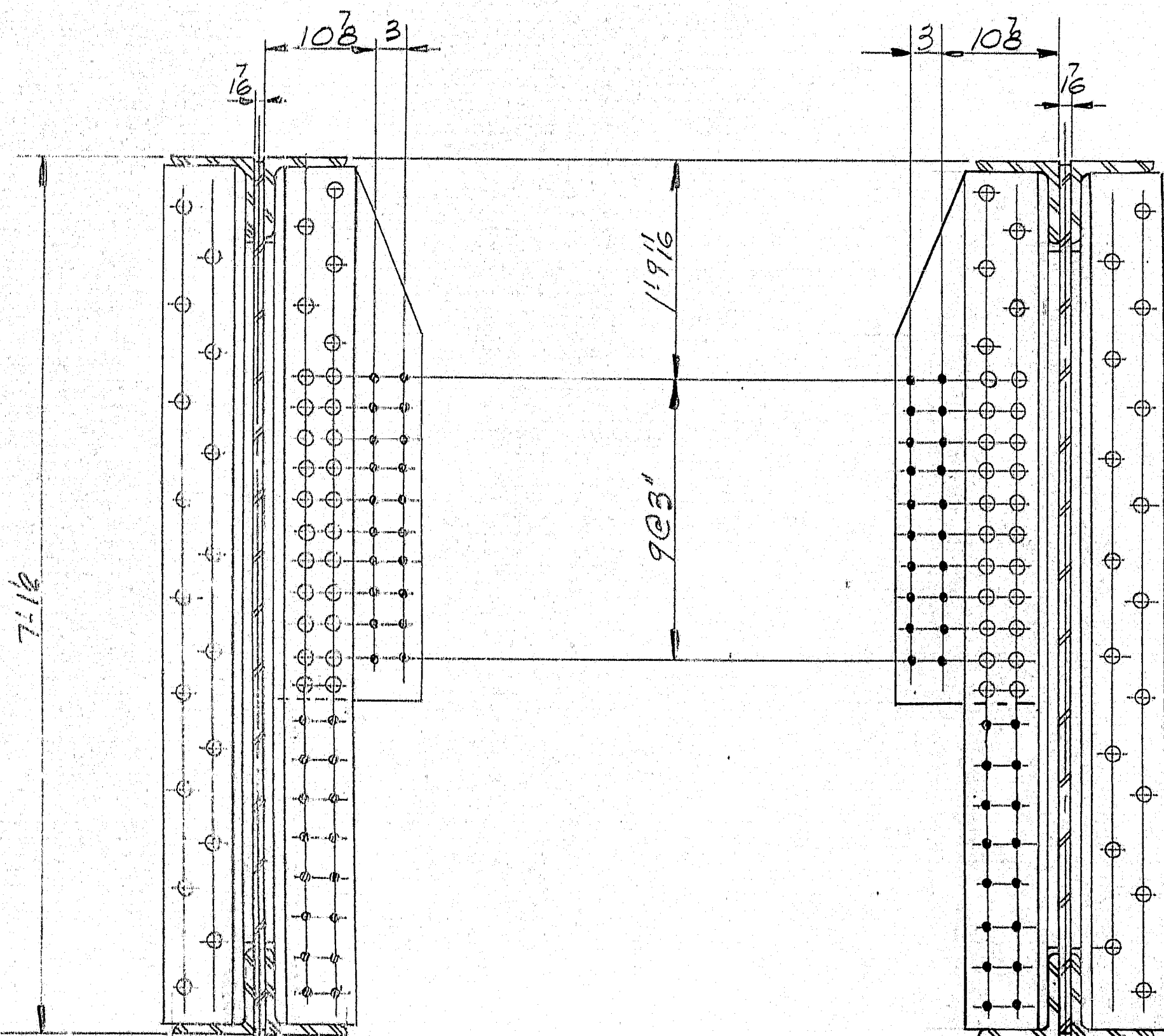
SECTION "9-9"



SECTION "10-10"

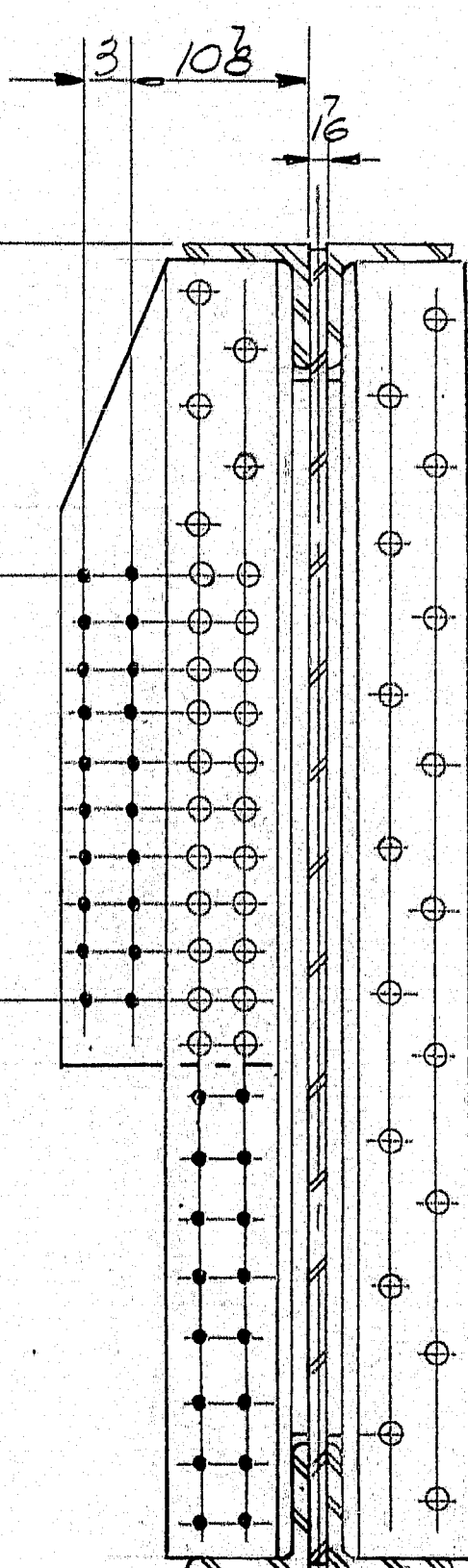


TYPICAL SECTION @ INTERMEDIATE STIFFENERS

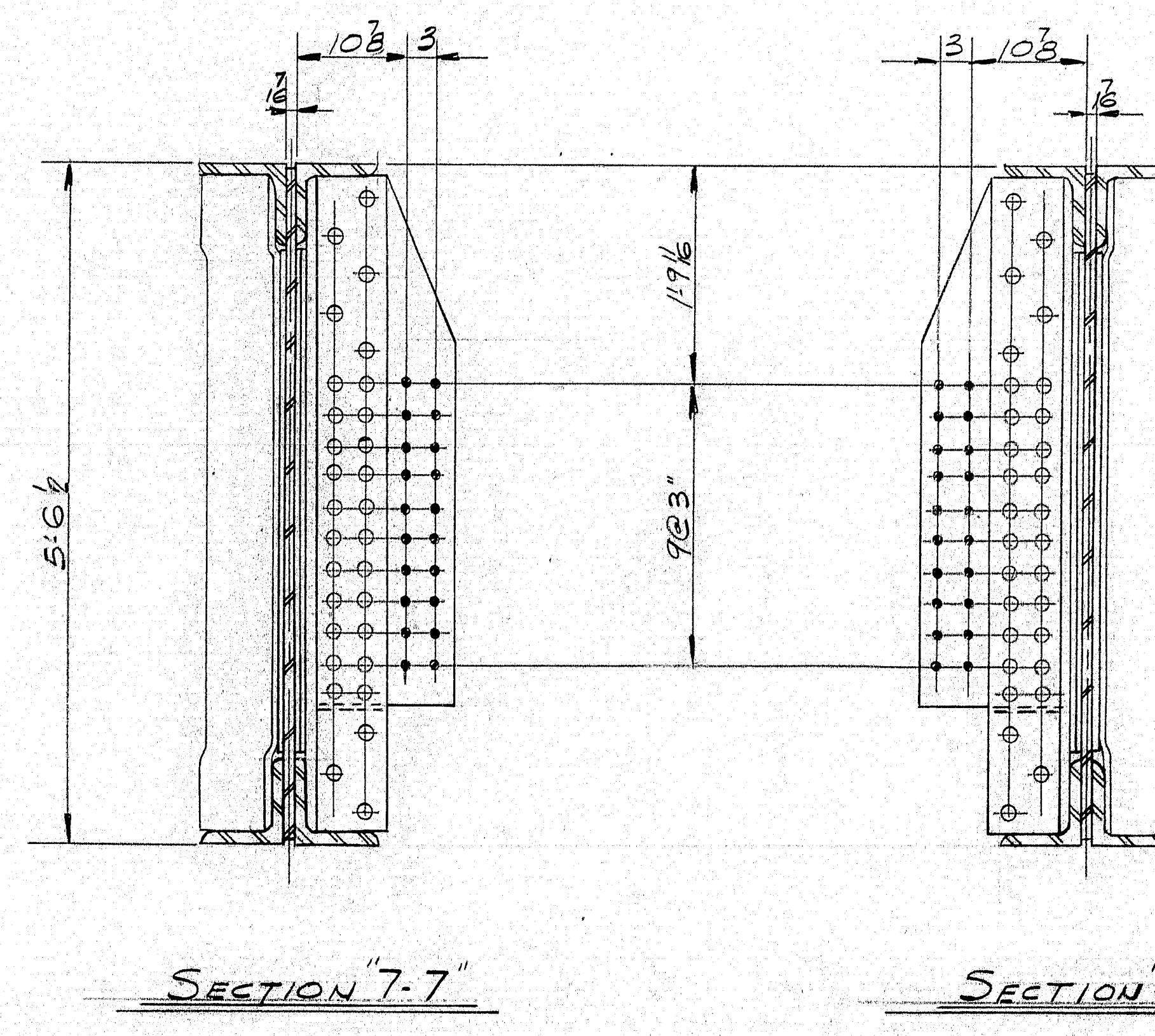


Bearing Pedestals not shown.

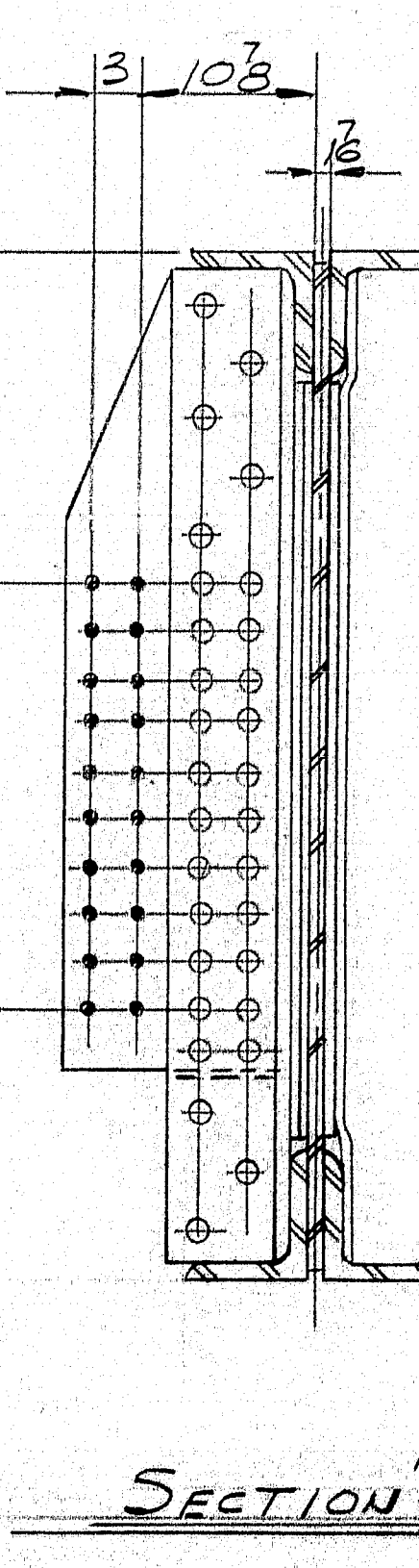
SECTION "5-5"



SECTION "6-6"



SECTION "7-7"



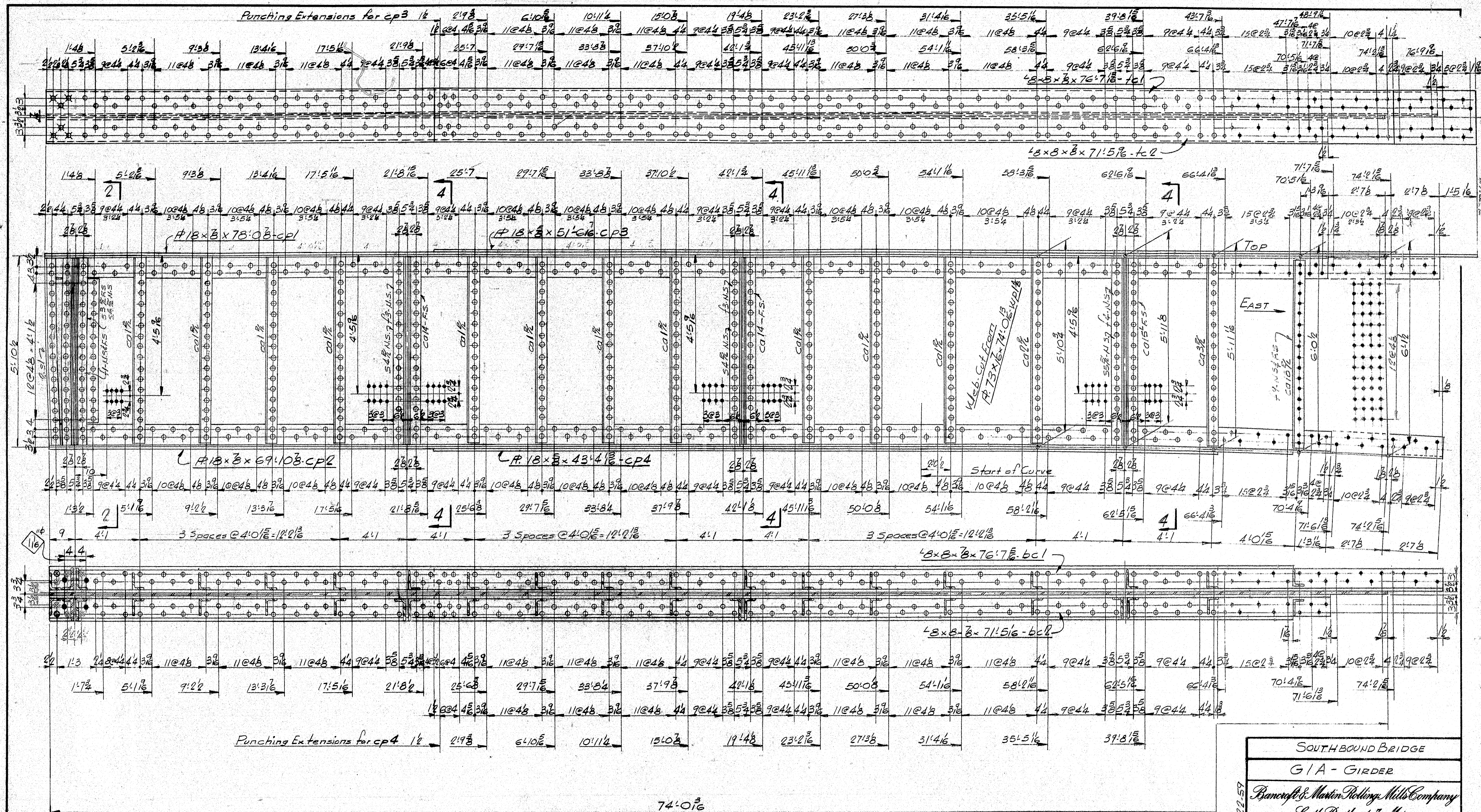
SECTION "8-8"

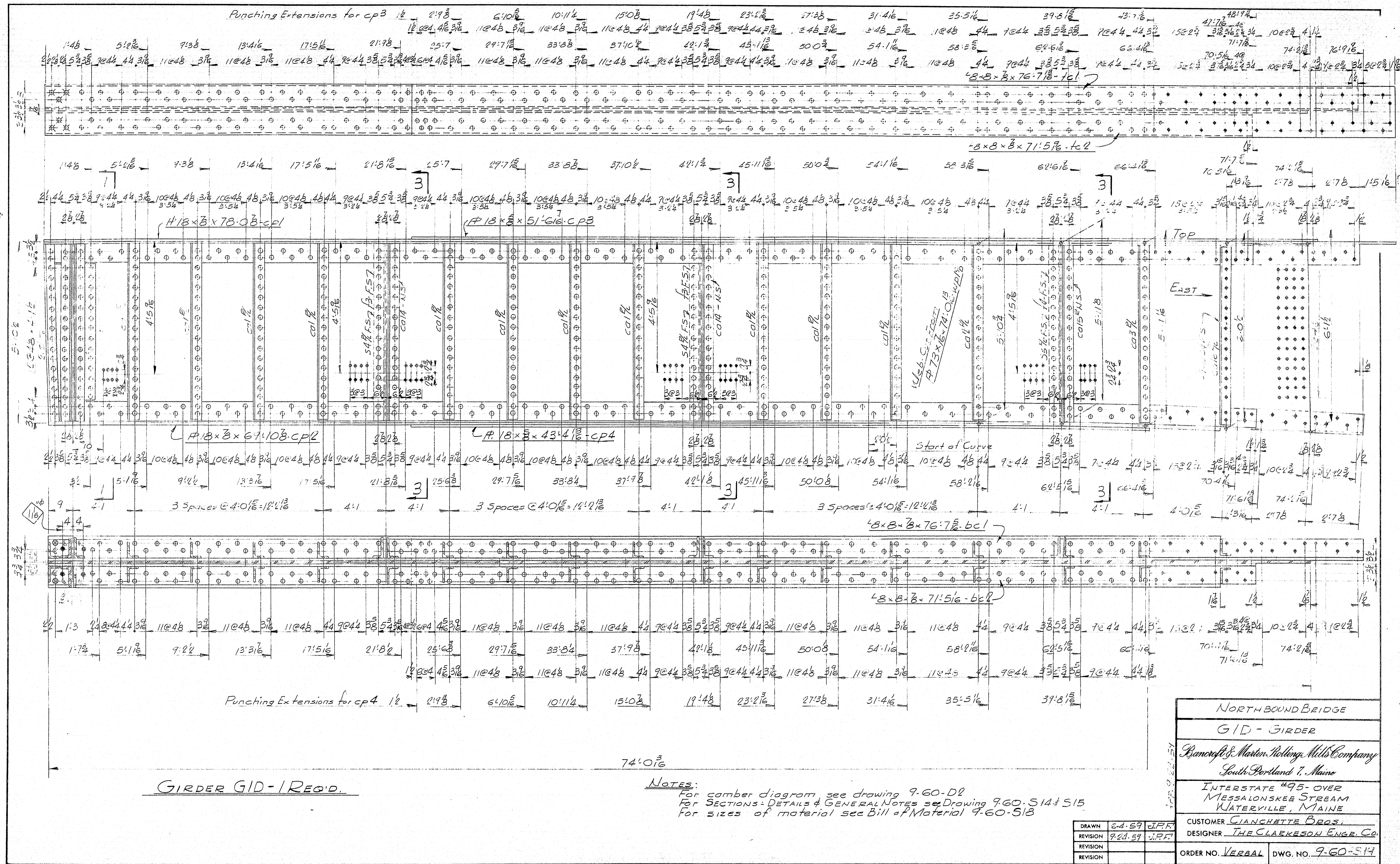
COVER PLATES NOT SHOWN

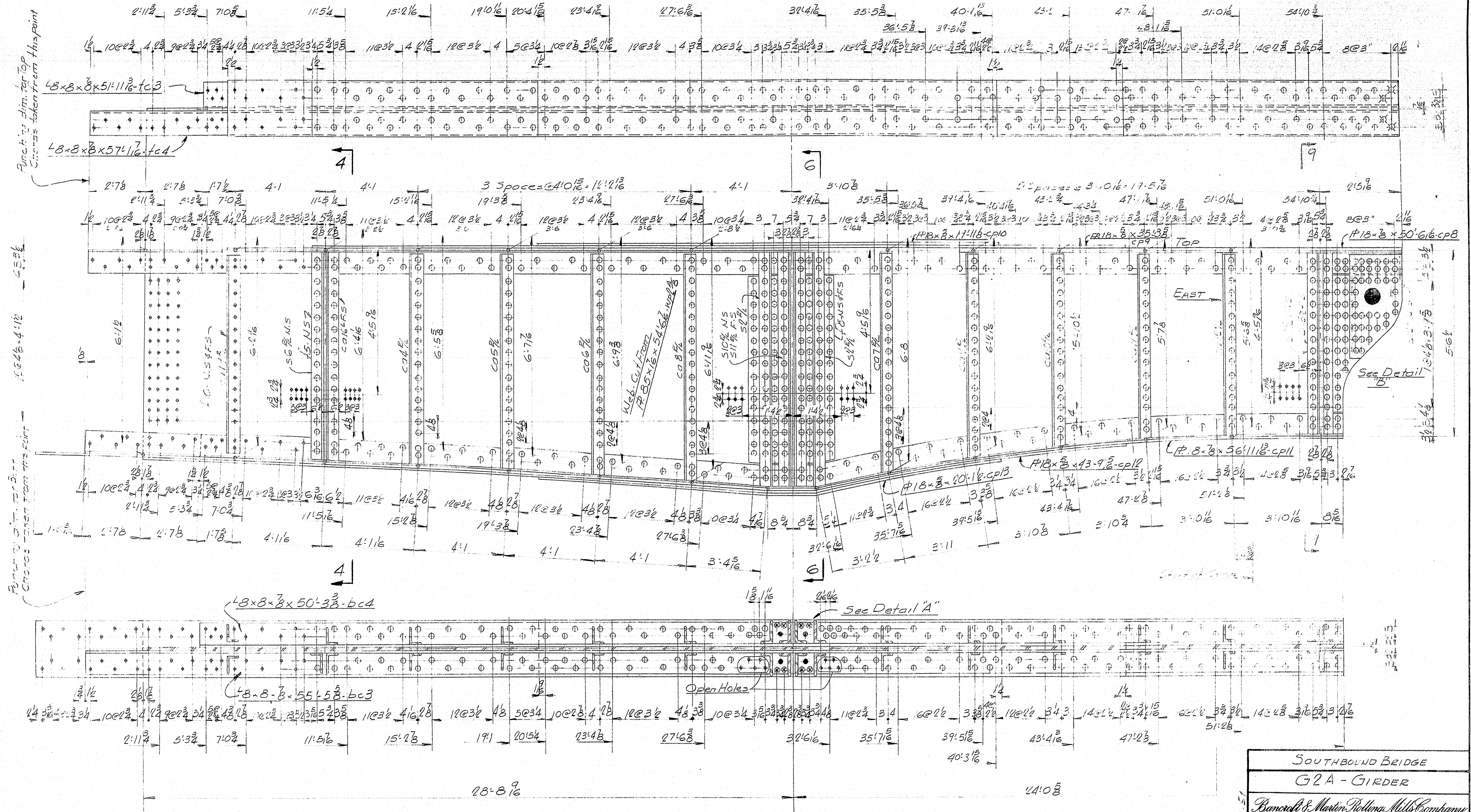
TYPICAL SECTIONS	
Bancroft & Martin Rolling Mills Company	
South Portland, Maine	
INTERSTATE #95 OVER	
MESSALONKEE STREAM	
WATERVILLE, MAINE	
CUSTOMER CLANCHETTE BROS.	
DESIGNER THE CLARKE ENGINEERING CO.	
ORDER NO. VERBAL	DWG. NO. 9-60-S14

DRAWN	G. J. J. J.
REVISION	7-24-59 J. R. F.
REVISION	
REVISION	

APR 9 21 1959







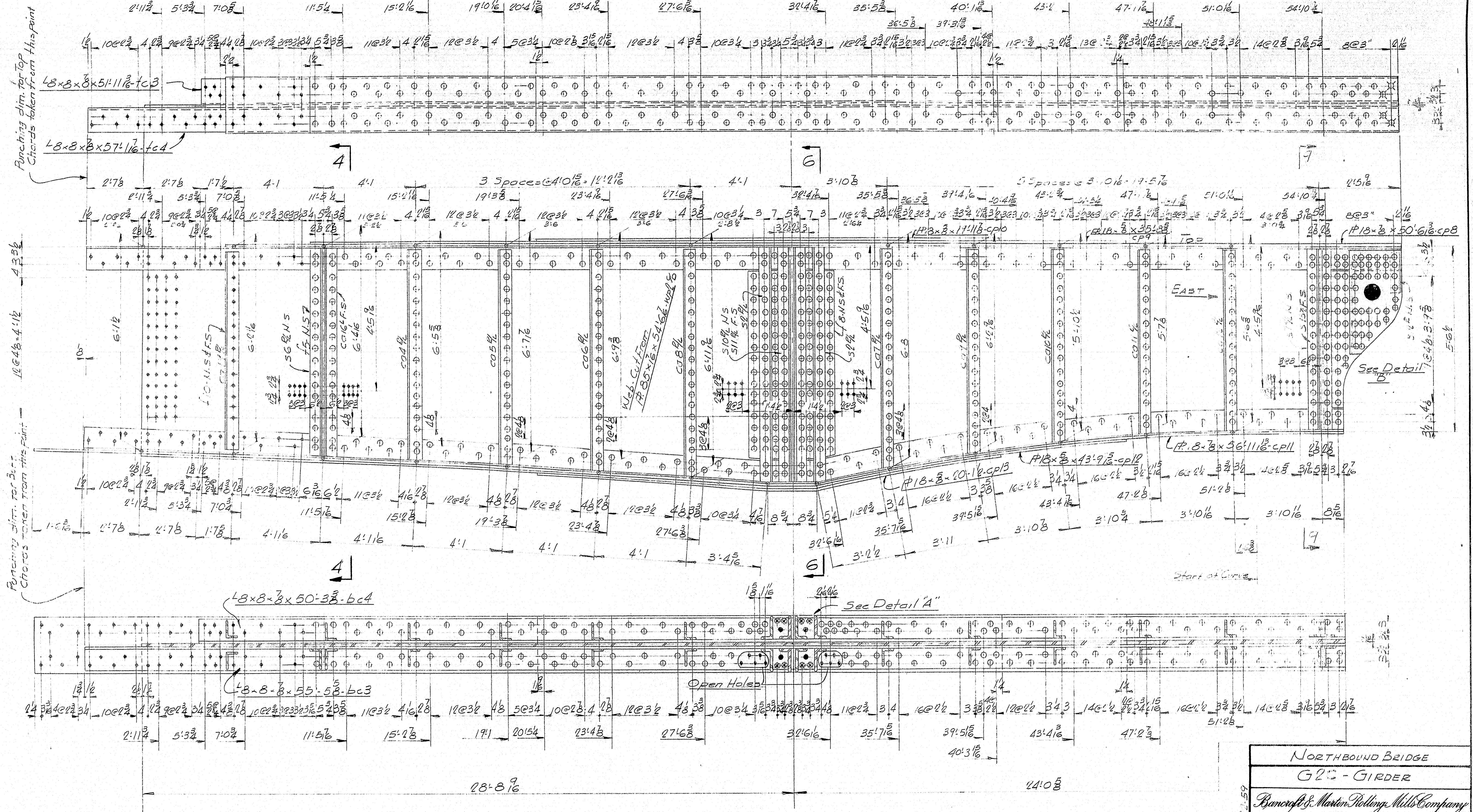
GIRDER G2A-1 REQ'D

NOTES:

For camber diagram see Drawing 9-60-D1
 For SECTIONS-DETAILS & GENERAL NOTES see Drawing 9-60-S14 #S15
 For sizes of material see Bill of Material 9-60-S20

DRAWN	6-10-59	J.P.F.
REVISION	7-15-59	J.P.F.
REVISION		
REVISION		

SOUTHBOUND BRIDGE	
G2A - GIRDER	
Bancroft & Martin Rolling Mills Company	
South Portland 7, Maine	
INTERSTATE #95 - OVER MESSALONSKEE STREAM WATerville, MAINE	
CUSTOMER	CIANCHEITE BROK.
DESIGNER	THE CLARKSON ENGINE CO.
ORDER NO.	VERBAL
DWG. NO.	9-60-S20



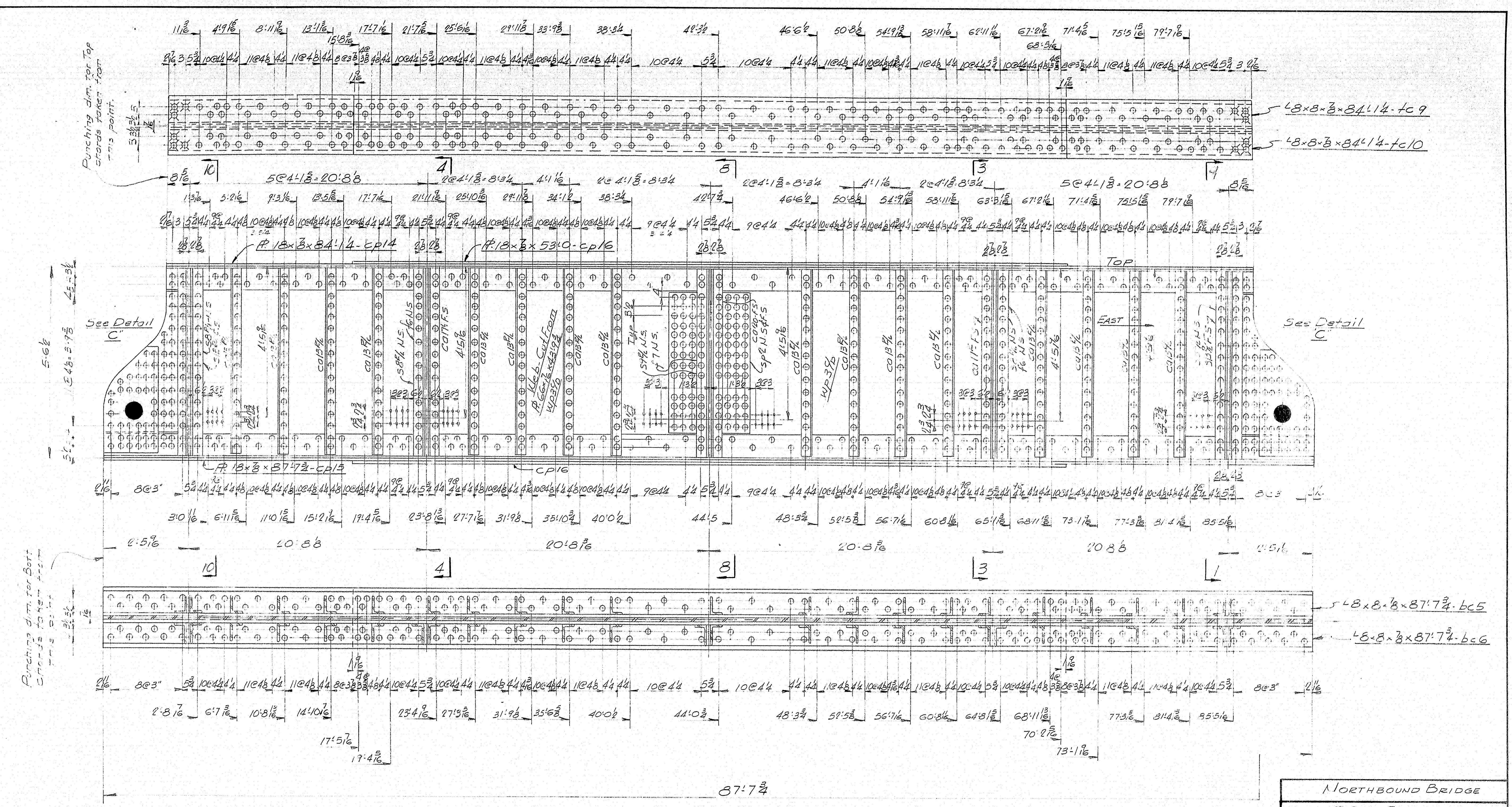
NOTES:

For camber diagram see Drawing 9-60-D1
 For SECTIONS-DETAILS & GENERAL NOTES see Drawing 9-60-S14 & S15
 For sizes of material see Bill of Material 9-60-S22

DRAWN	6-10-59	J.P.F.
REVISION	2-25-59	J.P.F.
REVISION		
REVISION		

NORTHBOUND BRIDGE	
G2C - GIRDER	
Bancroft & Martin Rollings Mills Company	
South Portland 1, Maine	
INTERSTATE #95 - OVER	
MESSALONSKEE STREAM	
WATERVILLE, MAINE	
CUSTOMER	CIANCHETTE BRDS.
DESIGNER	THE CLARKSON ENGR. CO.
ORDER NO.	VERBAL
DWG. NO.	9-60-S14

4



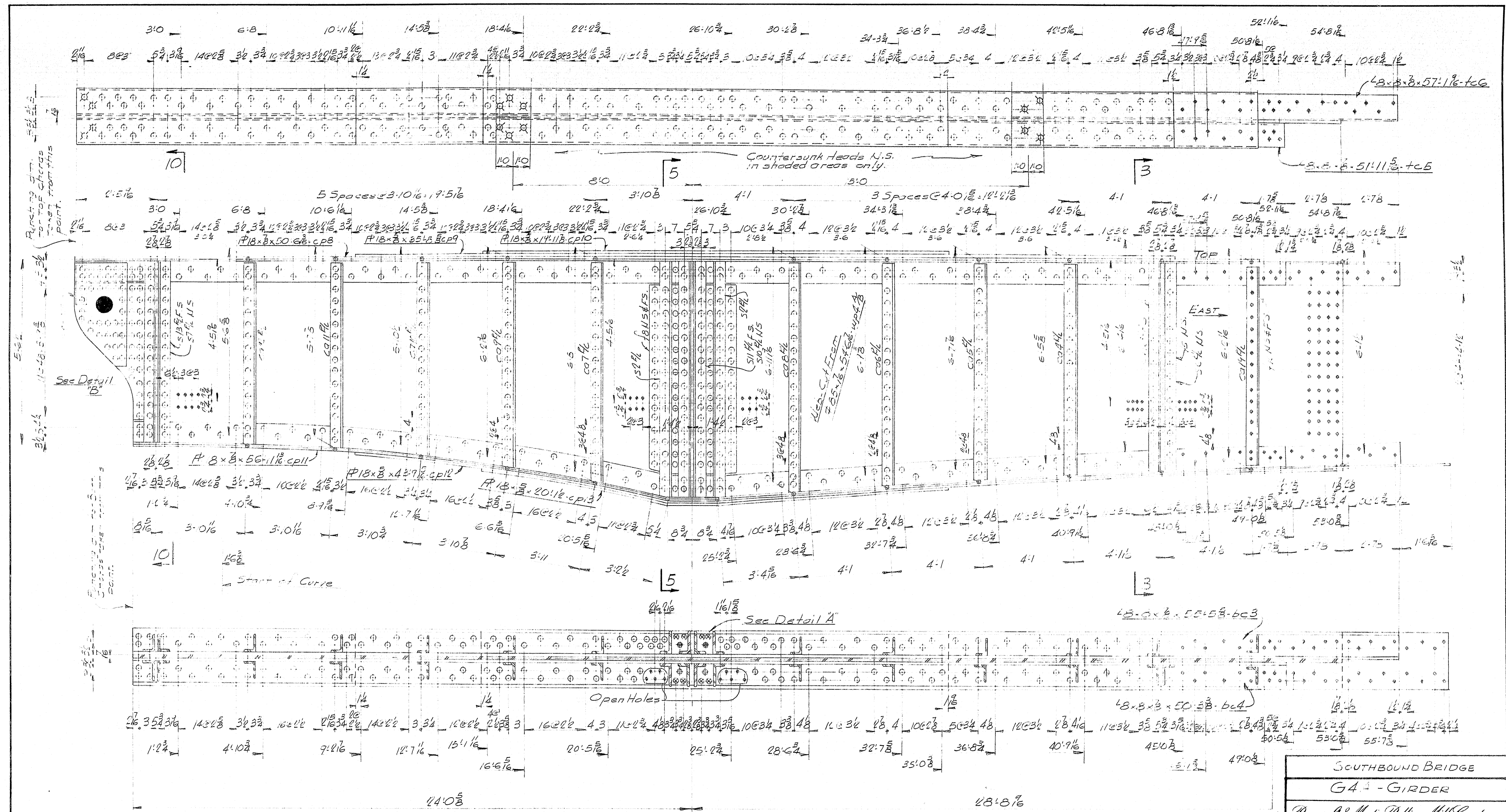
GIRDER G3C-1 REQ'D

NOTES:

For comber diagram see Drawing 9-60-D2
For SECTIONS, DETAILS & GENERAL NOTES see Drawings 9-60-S14 & S15
For sizes of material see Bill of Material 9-60-S26

NORTHBOUND BRIDGE	
G3C-GIRDER	
Bancroft & Martin Rollings Mills Company South Portland 7, Maine	
INTERSTATE #95- OVER MESSALONKEE STREAM WATERVILLE, MAINE	
CUSTOMER CIANCHETTE BROS.	
DESIGNER THE CLARKSON ENGINEERING	
ORDER NO. VERBAL	DWG. NO. 9-60-S26

DRAWN	6-17-54	J.P.R.
REVISION	4-30-54	J.P.R.
REVISION		
REVISION		



GIRDER G4A - 1 REQ'D

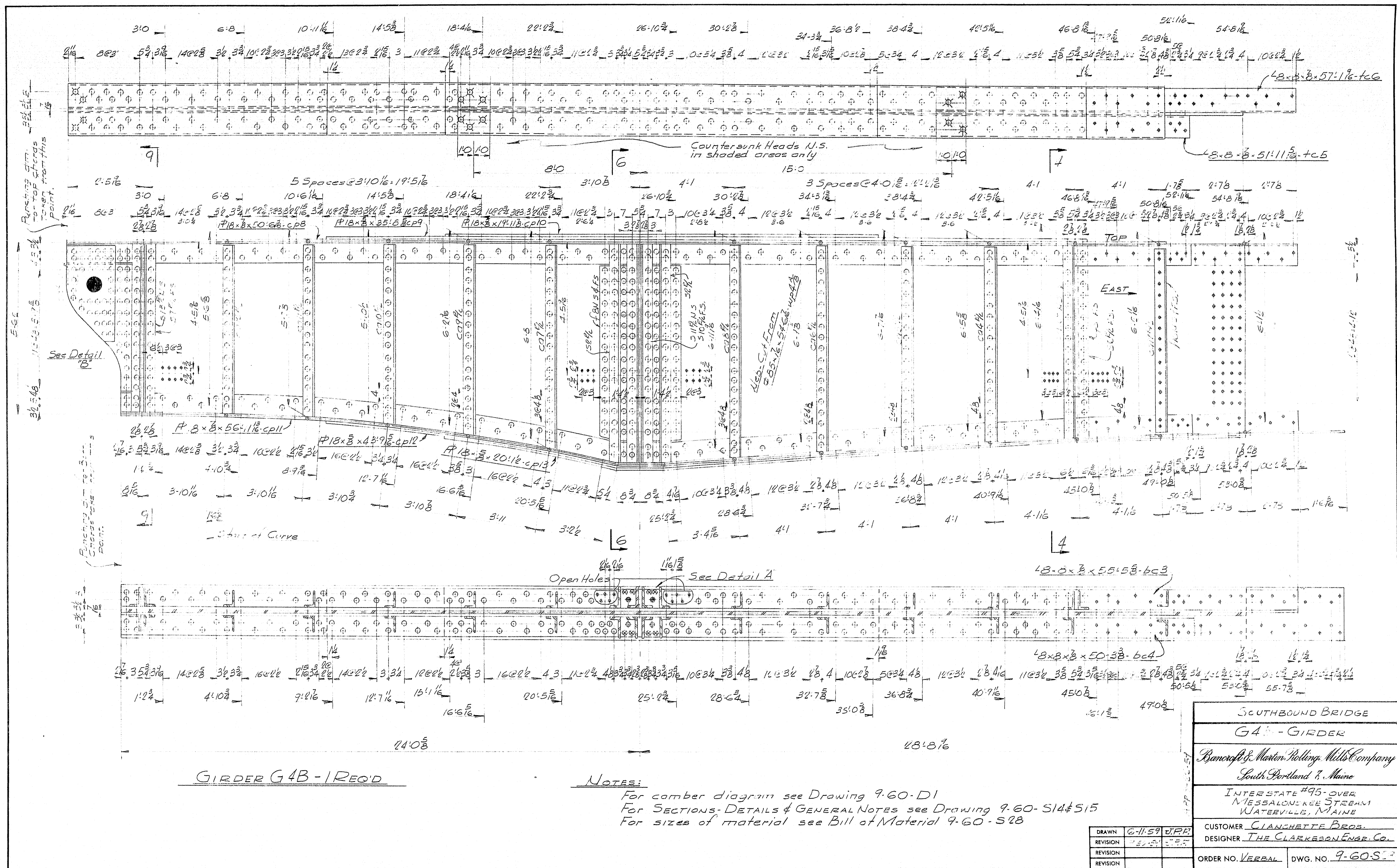
NOTES:

For camber diagram see Drawing 9-60-D1
 For SECTIONS-DETAILS & GENERAL NOTES see Drawing 9-60-S14#S15
 For sizes of material see Bill of Material 9-60-S28

DRAWN	6-11-59	JPR
REVISION	7-23-59	JPR
REVISION		
REVISION		

CUSTOMER	CLANCHETTE BRIDGE
DESIGNER	THE CLARKSON ENGINEERING CO.
ORDER NO.	VERBAL
DWG. NO.	9-60-S28

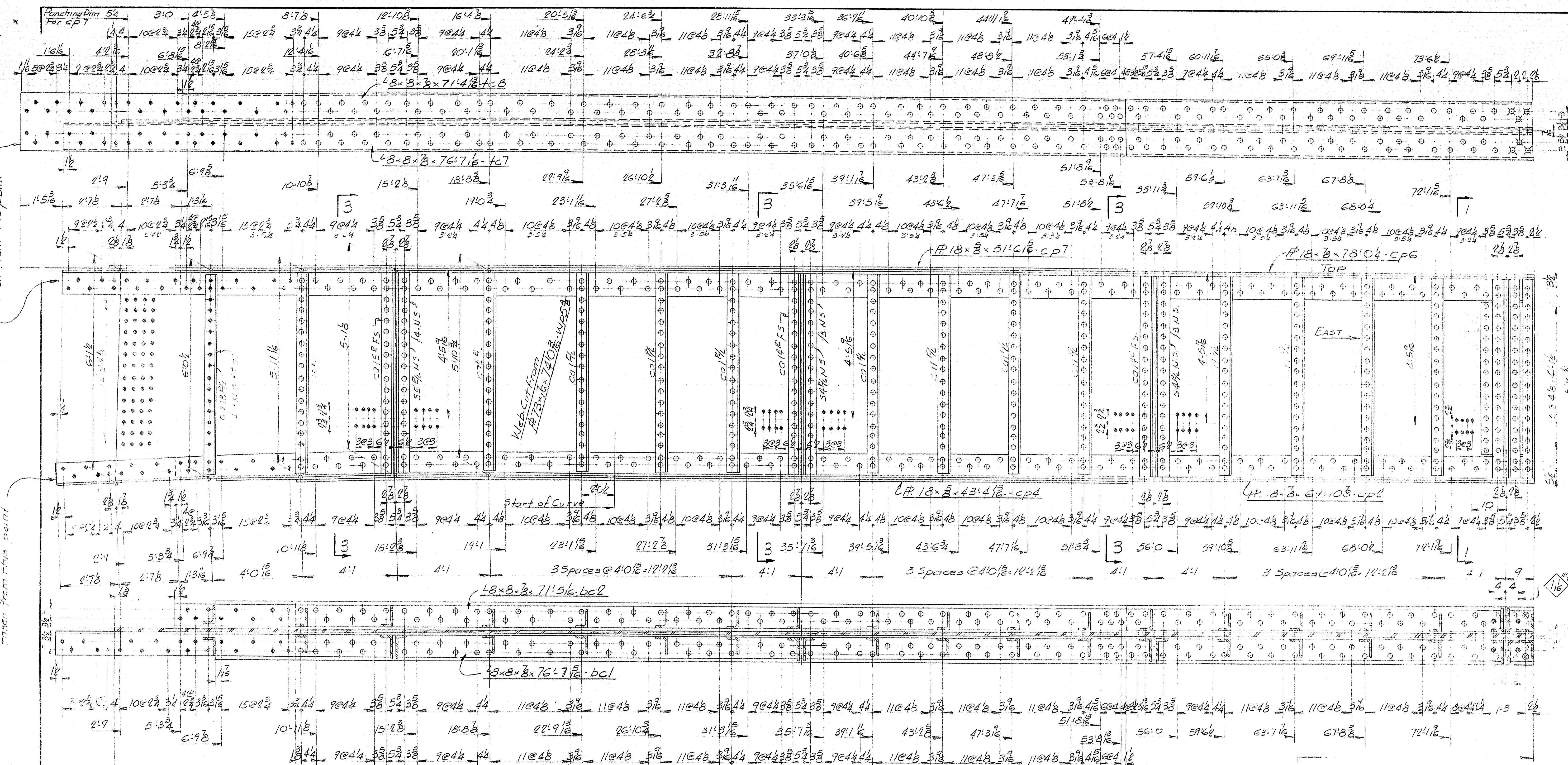
SOUTHBOUND BRIDGE
G4 - GIRDER
Bancroft & Martin Polishing Mills Company
South Portland 7, Maine
INTERSTATE #95-OVER
MESSALONSKEE STREAM
WATERVILLE, MAINE



Punching Dim. for cap
taken from this point

Punching Dim for Top Chords
taken from this point

Punching Dim for Bottom Chords
taken from this point



GIRDER G5A - 1 REQ'D.

74'-0 3/16"

NOTES:

For camber diagram see Drawing 9-60-D1
For SECTIONS-DETAILS & GENERAL NOTES see Drawing 9-60-S15
For sizes of material see Bill of Material 9-60-S32

DRAWN	6-5-59	J.P.F.
REVISION	1-5-59	J.F.F.
REVISION		
REVISION		

SOUTHBOUND BRIDGE	
G5A - GIRDER	
Bancroft & Martin Rolling Mills Company South Portland, Maine	
INTERSTATE #95 - OVER MISSALONSKEE STREAM WATERVILLE, MAINE	
CUSTOMER	CIANCHETTE BROS.
DESIGNER	THE CLARKSON ENGINEERING CO.
ORDER NO.	VERBAL
DWG. NO.	9-60-S32

Pinching Dim for Top Chords
Taken from this point

Pinching Dim for Top Chords
Taken from this point



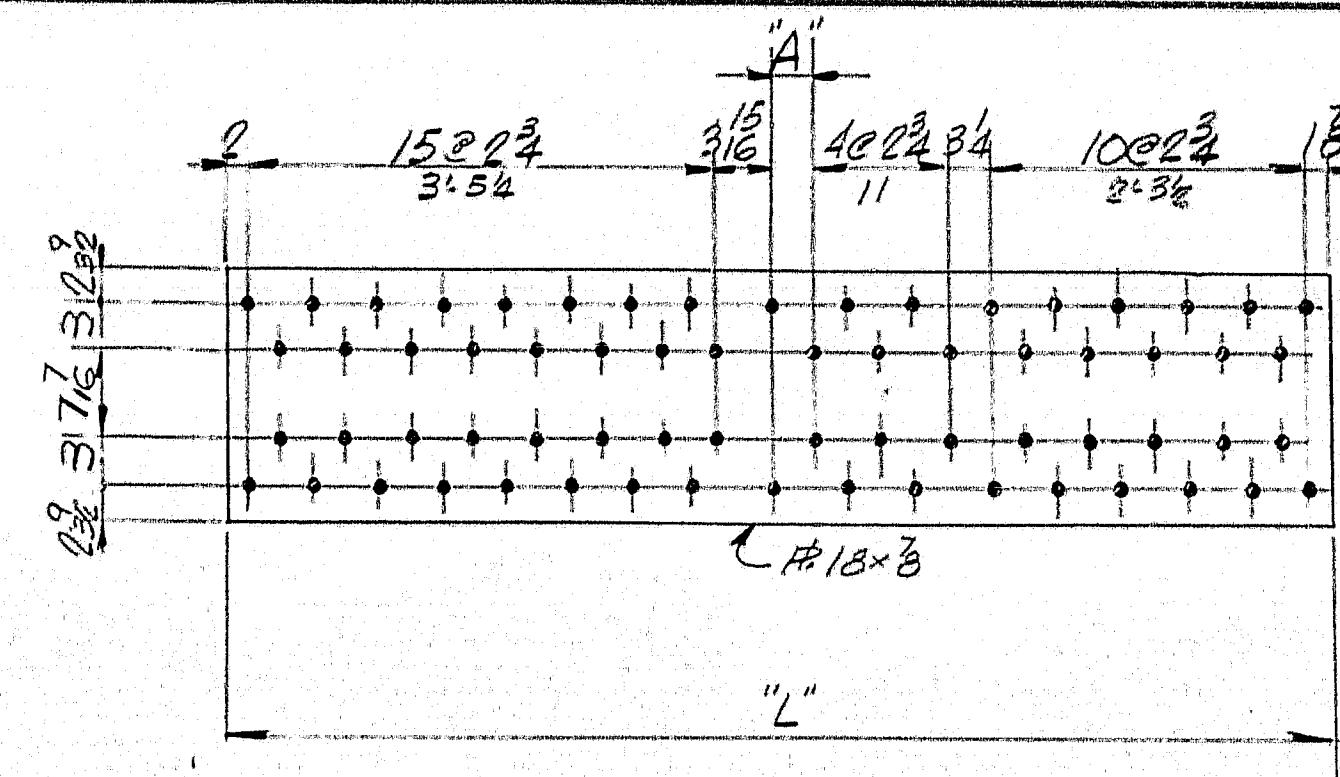
GIRDER G5C - 1 REQ'D.

NOTES:

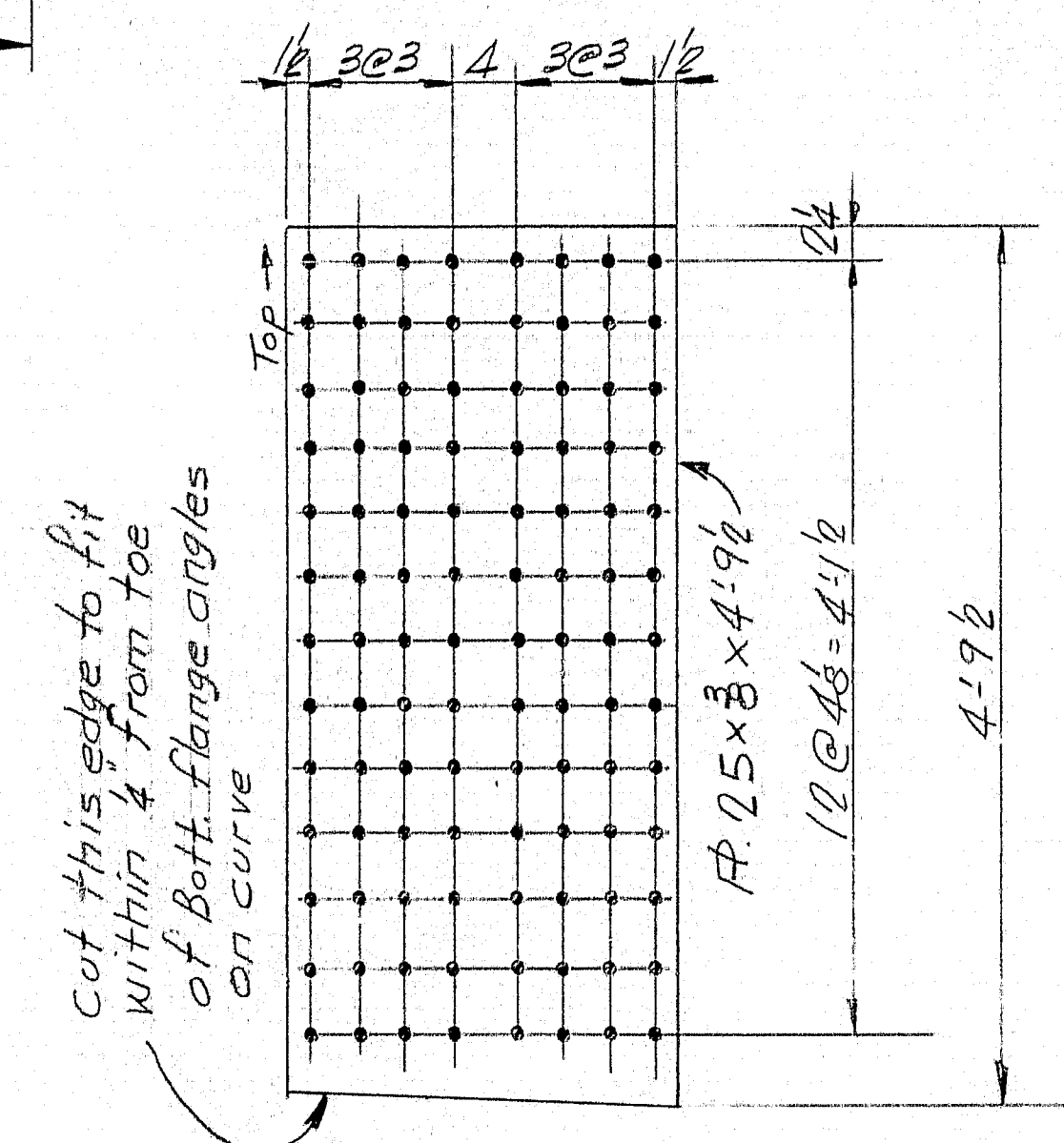
For camber diagram see Drawing 9-60-D2
For SECTIONS-DETAILS & GENERAL NOTES see Drawing 9-60-S15
For sizes of material see Bill of Material 9-60-S34

DRAWN	S-S-59 J.P.F.
REVISION	1-2-59 J.P.F.
REVISION	
REVISION	

NORTH BOWEN BRIDGE	
G5C - GIRDER	
Rancourt & Martin Rolling Mills Company South Portland, Maine	
INTERSTATE #95 - OVER MESSALONSKEE STREAM WATERVILLE, MAINE	
CUSTOMER: CLANCHETTE BROS.	
DESIGNER: THE CLANCHETTE ENGR. CO.	
ORDER NO. VERBAL	DWG. NO. 9-60-S34



"A"	"B"	"L"	MARK	No.	LOCATION
3/6	4 1/4	15'9 1/2	51d 1/2	8	TOP-SPLICE #1-LINES A-B-C & D
2 1/2	4 3/8	15'9 1/2	52d 1/2	4	TOP-SPLICE #4-LINES A & B
3/6	4 3/8	15'9 1/4	53d 1/2	4	TOP-SPLICE #4-LINES C & D
3/6	4 3/8	15'9 3/8	54d 1/2	16	BOTT-SPLICE #1 & 4-LINES A-B-C & D



Technical drawing of a flange angle curve. The drawing shows a side view of a rectangular flange with a curved top edge. The dimensions are as follows:

- Overall width: 4
- Top flange thickness: 2 1/2
- Distance from top flange to centerline: 4 3/8
- Overall height: 12 @ 4 1/2
- Bottom flange thickness: 3 1/2
- Overall height including bottom flange: 16 @ 4 x 3/8 x 5 1/2

Labels and notes:

- Trim to fit flange angle curve
- Cut to fit fillet of L 8 x 8 1/2

Hand-drawn technical drawing of a vertical structural member, likely a column or beam, showing various components and dimensions. The drawing includes labels for bolts, plates, angles, and a filler bar.

- 3^{rd} H.S. Bolts $\times 5/8$
- @ Plates t_p
- 3^{rd} H.S. Bolts $\times 5/8$
- @ Cover Plates
- 3^{rd} H.S. Bolts $\times 5/8$
- @ Angles $sd \frac{1}{2}$
- 3^{rd} H.S. Bolts $\times 5/8$
- @ Angles $sd \frac{1}{2}$
- 3^{rd} H.S. Bolts $\times 5/8$
- @ Plates s, p
- 3^{rd} H.S. Bolts $\times 5/8$
- @ Crimped angles beyond
- Plate t_p
- Angles $sd \frac{1}{2}$
- Angles $sd \frac{1}{2}$
- Plates s, p
- Filler Bar s, p
- Plate t_p

SECTION THROUGH BOLTED SPIKE

Hand-drawn technical drawing of a vertical rectangular plate. The plate has a total height of 3' 10 3/4" and a width of 12 1/2". The holes are spaced 10 3/4" apart vertically. Each hole has a diameter of 5 1/2" and is 5 3/8" from the top and bottom edges. The plate is labeled "ASA 1/25" and "c. too. Holes."

Technical drawing of a rectangular plate with the following dimensions and features:

- Overall width: $9\frac{5}{8}$
- Overall height: $4\frac{1}{2}$
- Inner rectangular cutout width: $5\frac{1}{2}$
- Inner rectangular cutout height: $3\frac{1}{8}$
- Distance from top edge to top of cutout: 4
- Distance from bottom edge to bottom of cutout: $4\frac{1}{2}$
- Distance from left edge to left side of cutout: $1\frac{1}{8}$
- Distance from right edge to right side of cutout: $1\frac{1}{8}$
- Overall width including mounting tabs: $11\frac{3}{8}$
- Overall height including mounting tabs: $11\frac{3}{8}$
- Drill holes for Cotter Pins are indicated at the corners of the mounting tabs.

Technical drawing of a circular part with a central hole. The outer diameter is labeled $10 \frac{3}{4}$. The inner hole is labeled $5 \frac{9}{16}$ DIA. A note indicates a cut from the outer edge to the hole, with dimensions $10 \frac{3}{4} \times 3 \times 0.10 \frac{3}{4}$.

NOTES:
SEE 'GENERAL NOTES' DWG
7-60-515

FIELD SPLICE COMPONENT DETAILS

Bancroft & Martin Holdings Mfg Company
South Portland T. Maine

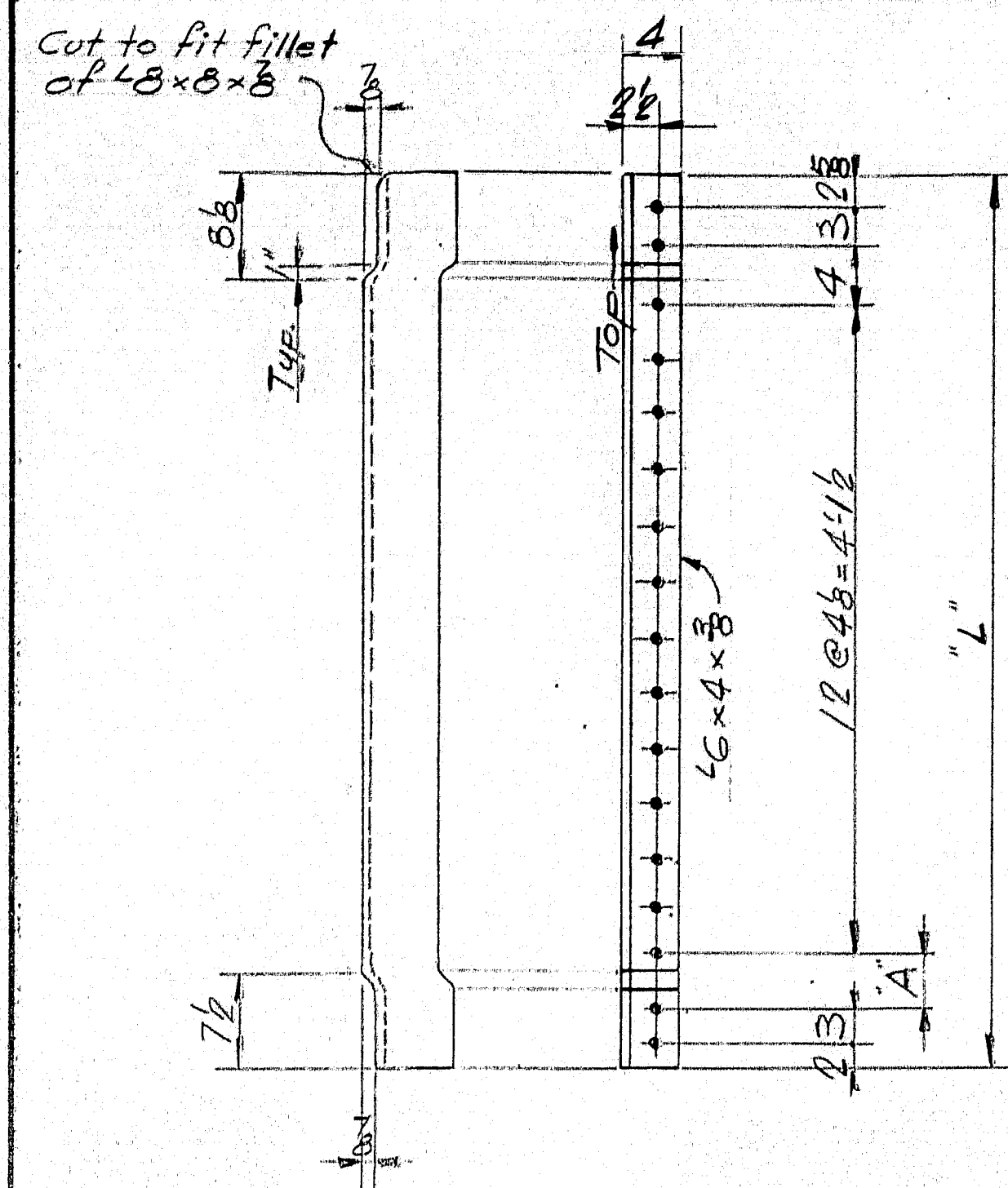
INTERSTATE #95-OVER
MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BEER.
DESIGNER THE CLARKSON ENGINEER.

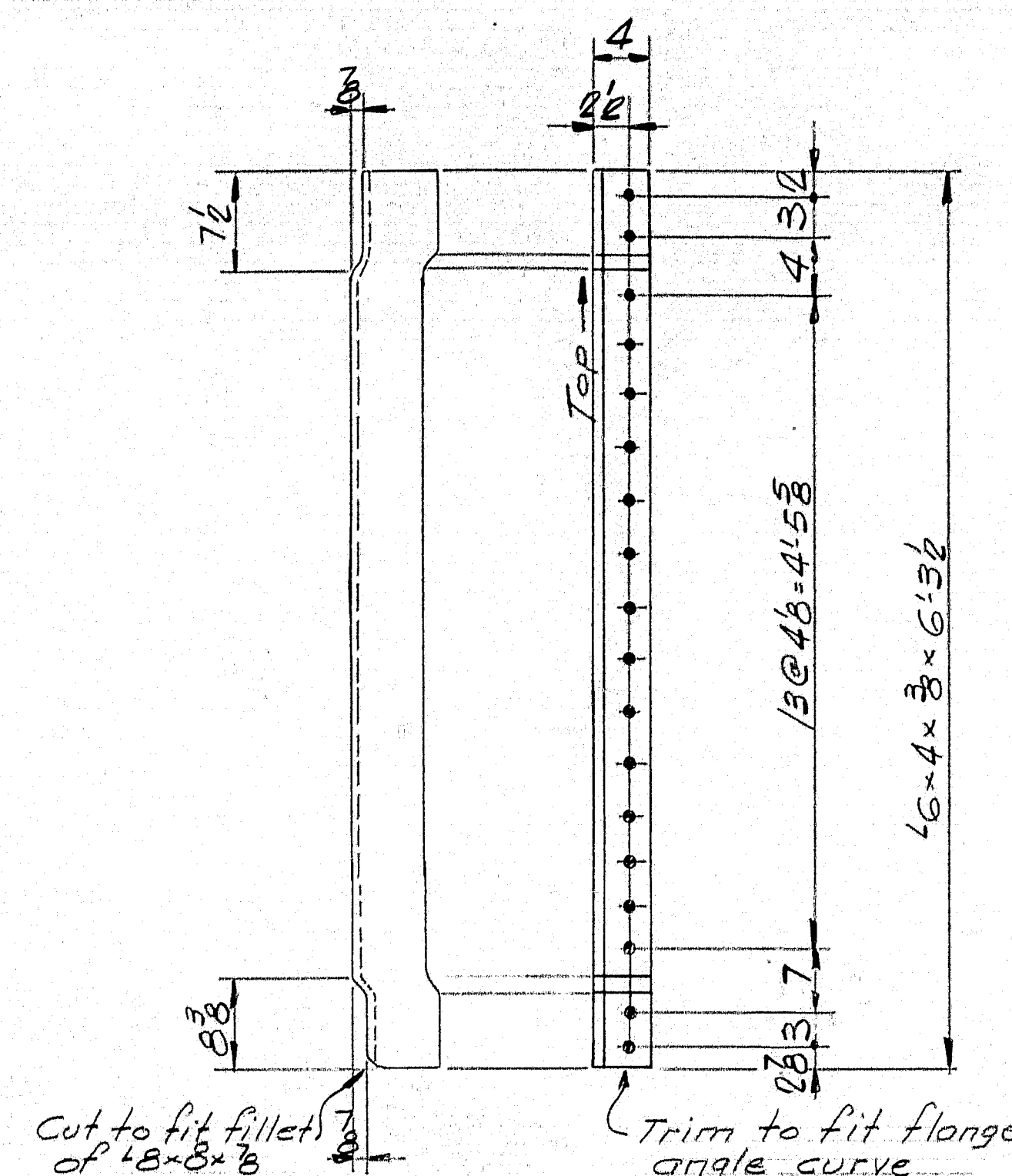
ORDER NO. VERAL DWG. NO. 9-60-536

FOR SECTION THROUGH PIN
CONNECTION SEE DWG. 9-60-515

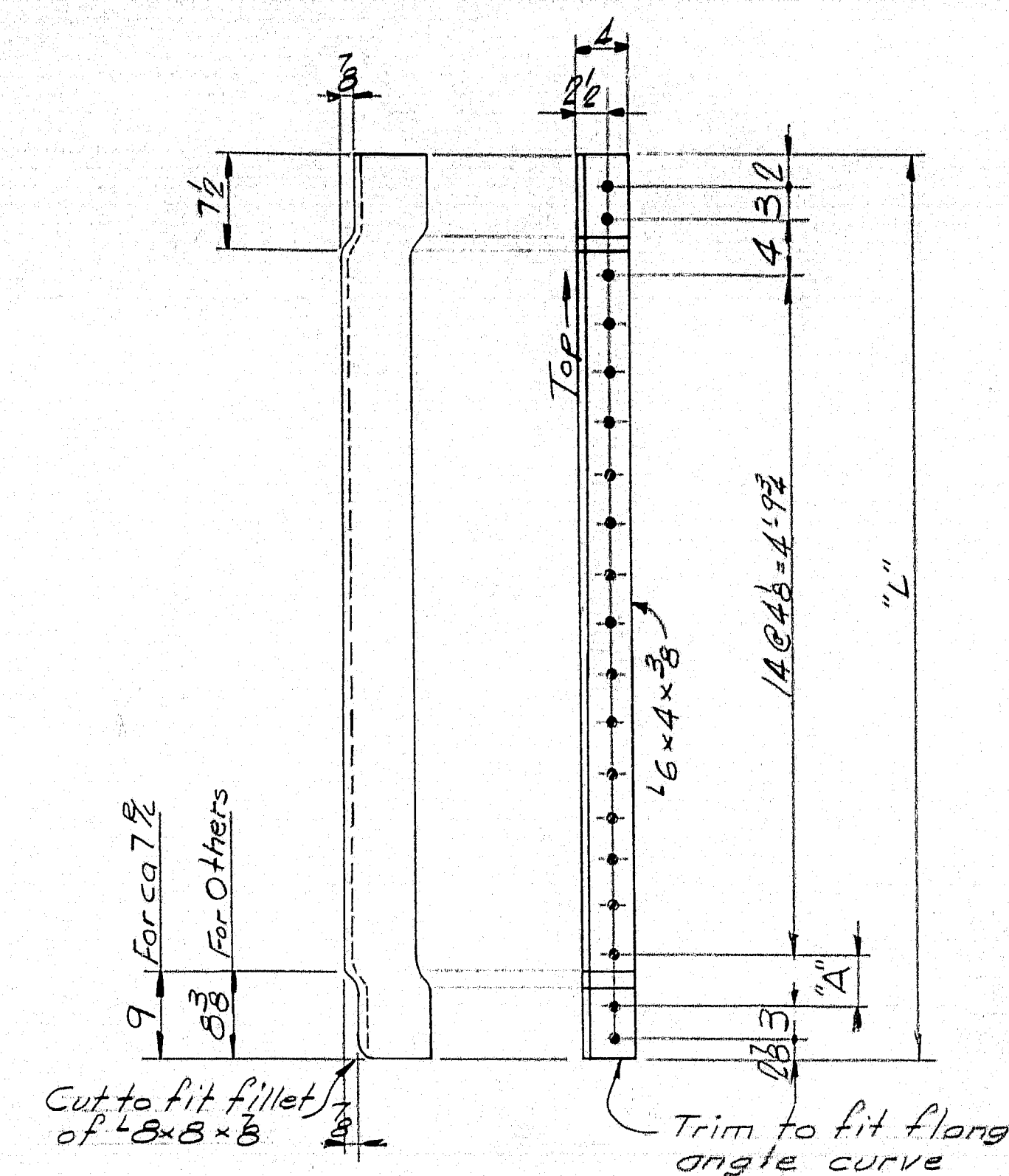
77-178



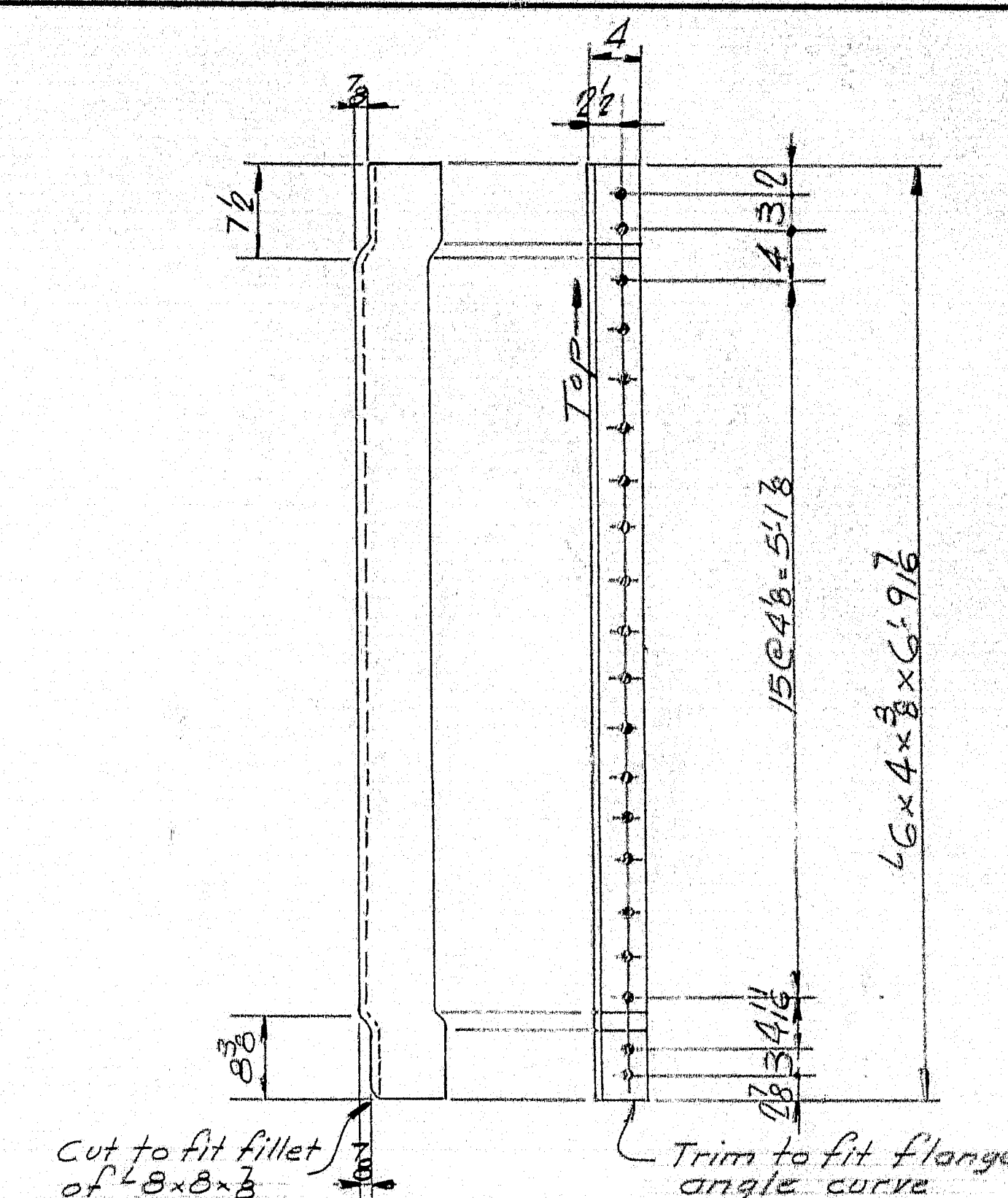
"A"	"L"	No.	MARK	NOTES
4	5'8 3/8	88	ca 1R	As Shown
		88	ca 1L	Opp. Hand
4 1/4	5'8 3/8	8	ca 2R	As Shown
		8	ca 2L	Opp. Hand
5 3/8	5'9 1/8	8	ca 3R	As Shown
		8	ca 3L	Opp. Hand



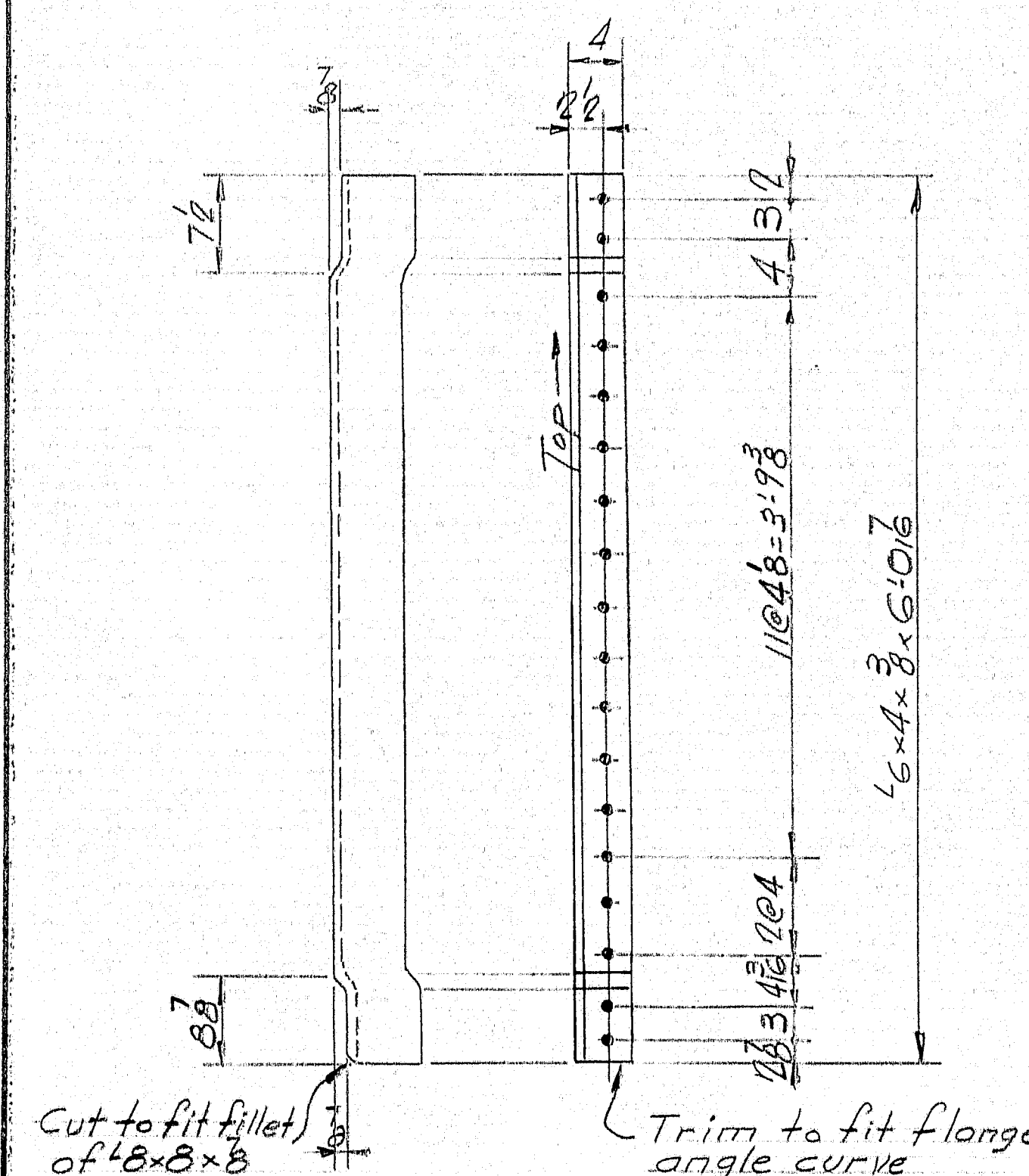
ca 4R - 8 Req'd - As Shown
ca 4L - 8 Req'd - Opp. Hand



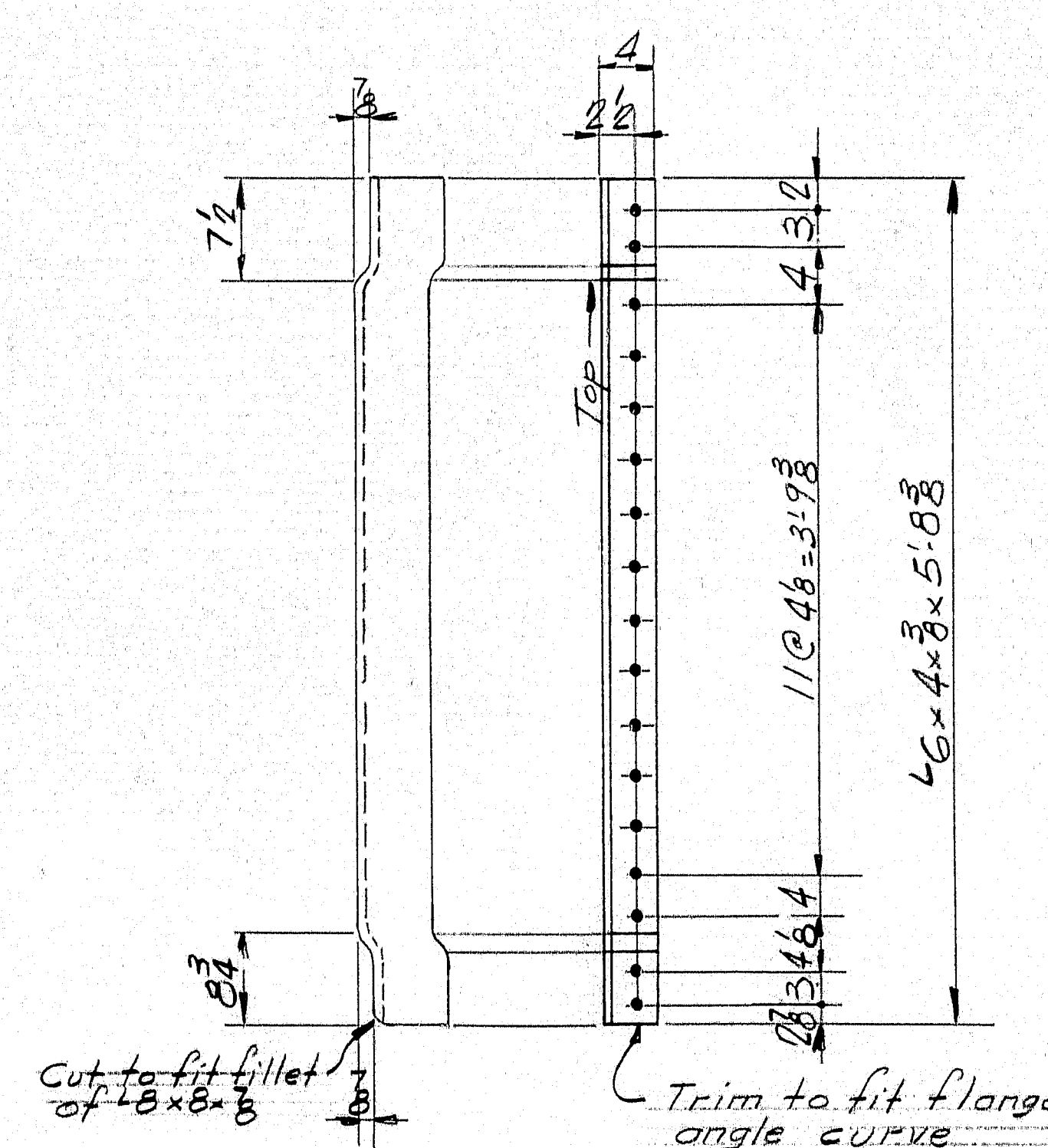
"A"	"L"	No.	MARK	NOTES
4 1/6	6'5 5/8	8	ca 5R	As Shown
		8	ca 5L	Opp. Hand
6 5/8	6'7 1/4	8	ca 6R	As Shown
		8	ca 6L	Opp. Hand
5 1/4	6'5 3/8	8	ca 7R	As Shown
		8	ca 7L	Opp. Hand



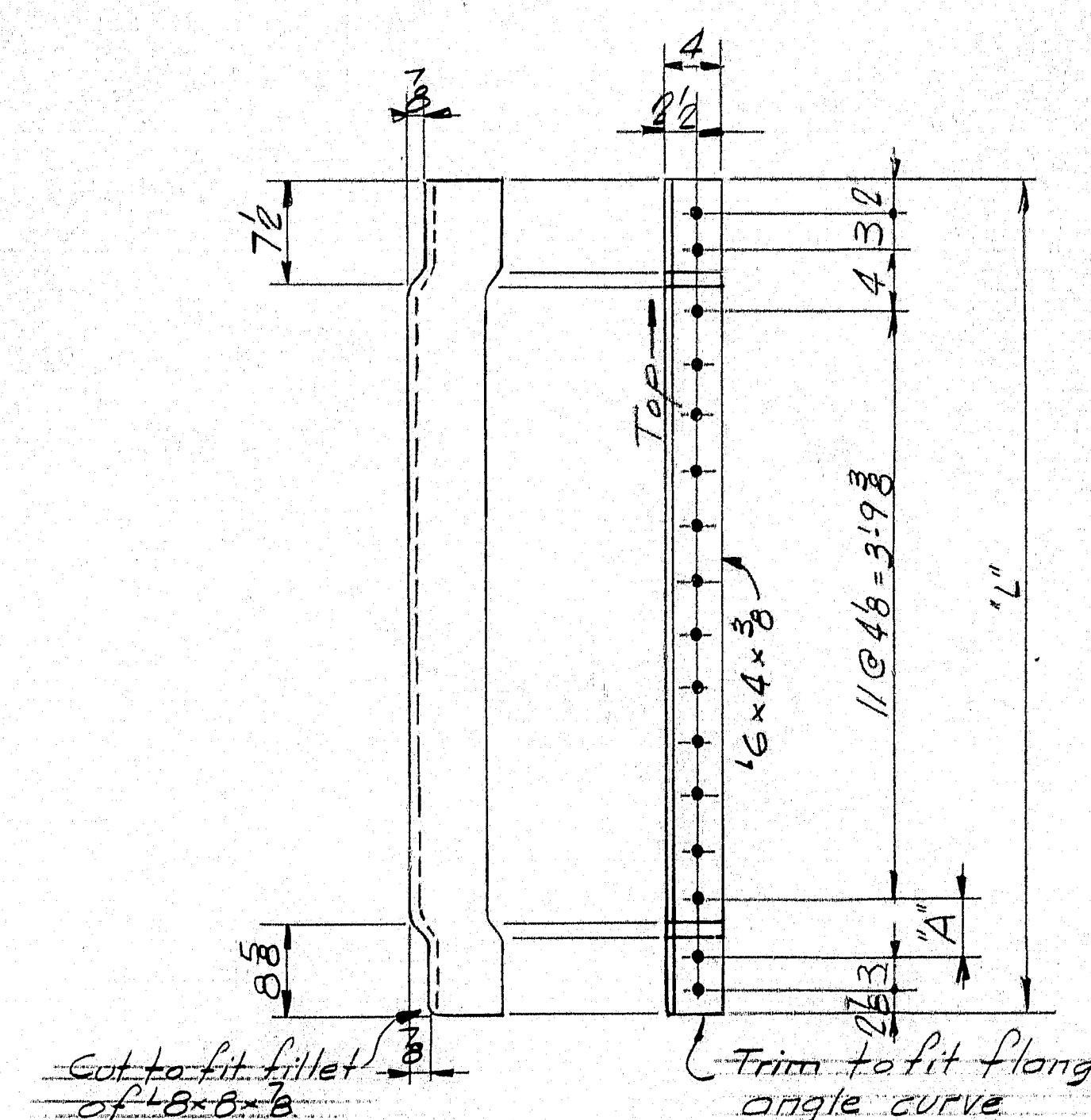
ca 8R - 8 Req'd - As Shown
ca 8L - 8 Req'd - Opp. Hand



ca 9R - 8 Req'd - As Shown
ca 9L - 8 Req'd - Opp. Hand



ca 10R - 8 Req'd - As Shown
ca 10L - 8 Req'd - Opp. Hand

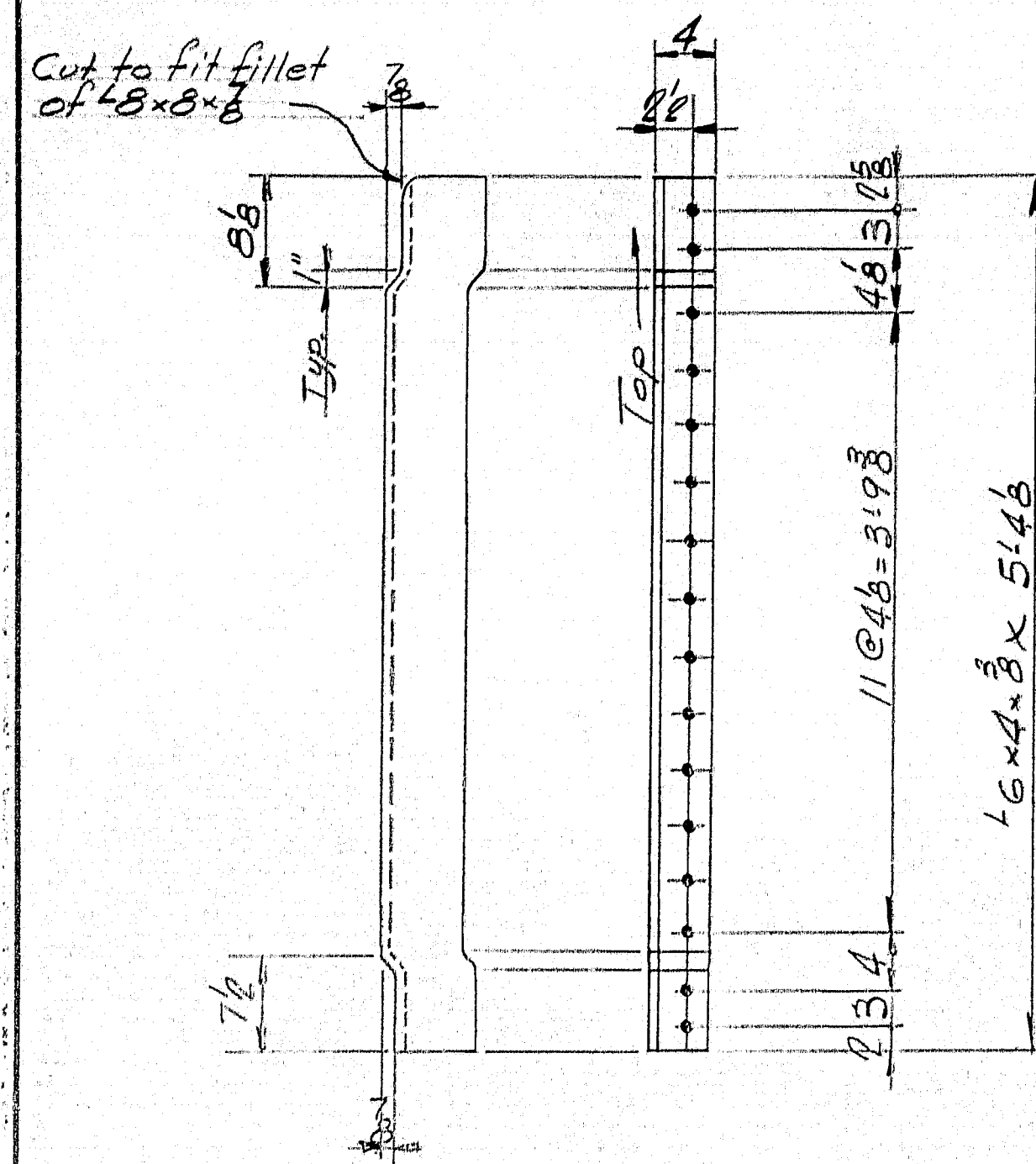


"A"	"L"	No.	MARK	NOTES
5 1/2	5'5 1/4	8	ca 11R	As Shown
		8	ca 11L	Opp. Hand
4 1/4	5'4 1/2	8	ca 12R	As Shown
		8	ca 12L	Opp. Hand

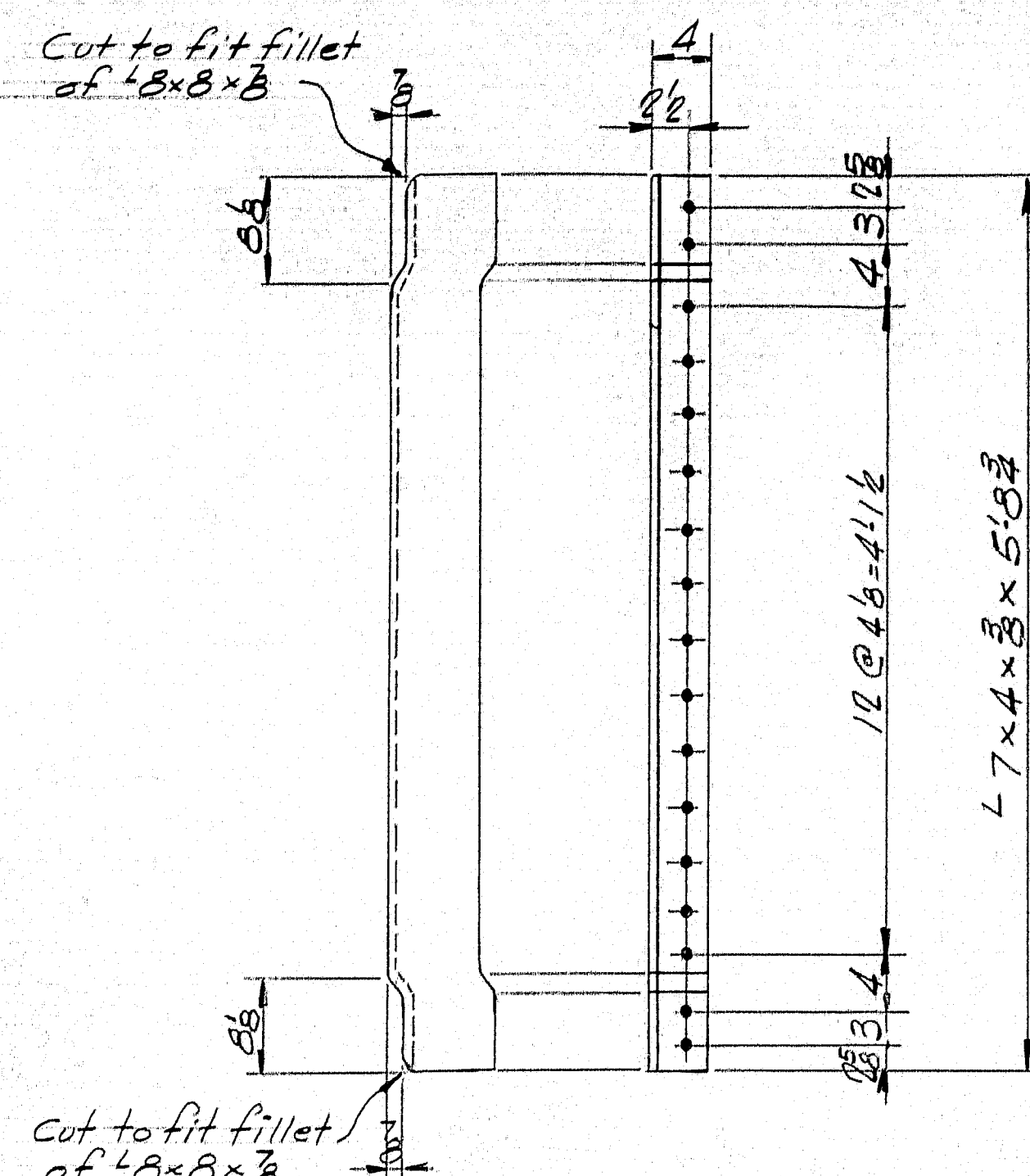
NOTES:
See 'GENERAL NOTES'
DWG. 9-60-515

CRIMPED ANGLE DETAILS	
Barnes & Martin Rollings Mills Company South Portland 7, Maine	
INTERSTATE #95 - OVER MISSALONISKEE STREAM WATERVILLE, MAINE	
CUSTOMER: CLANCHETTE Bros. DESIGNER: THE CLARKSON ENG. CO.	
ORDER NO. VERBAL	DWG. NO. 9-60-537

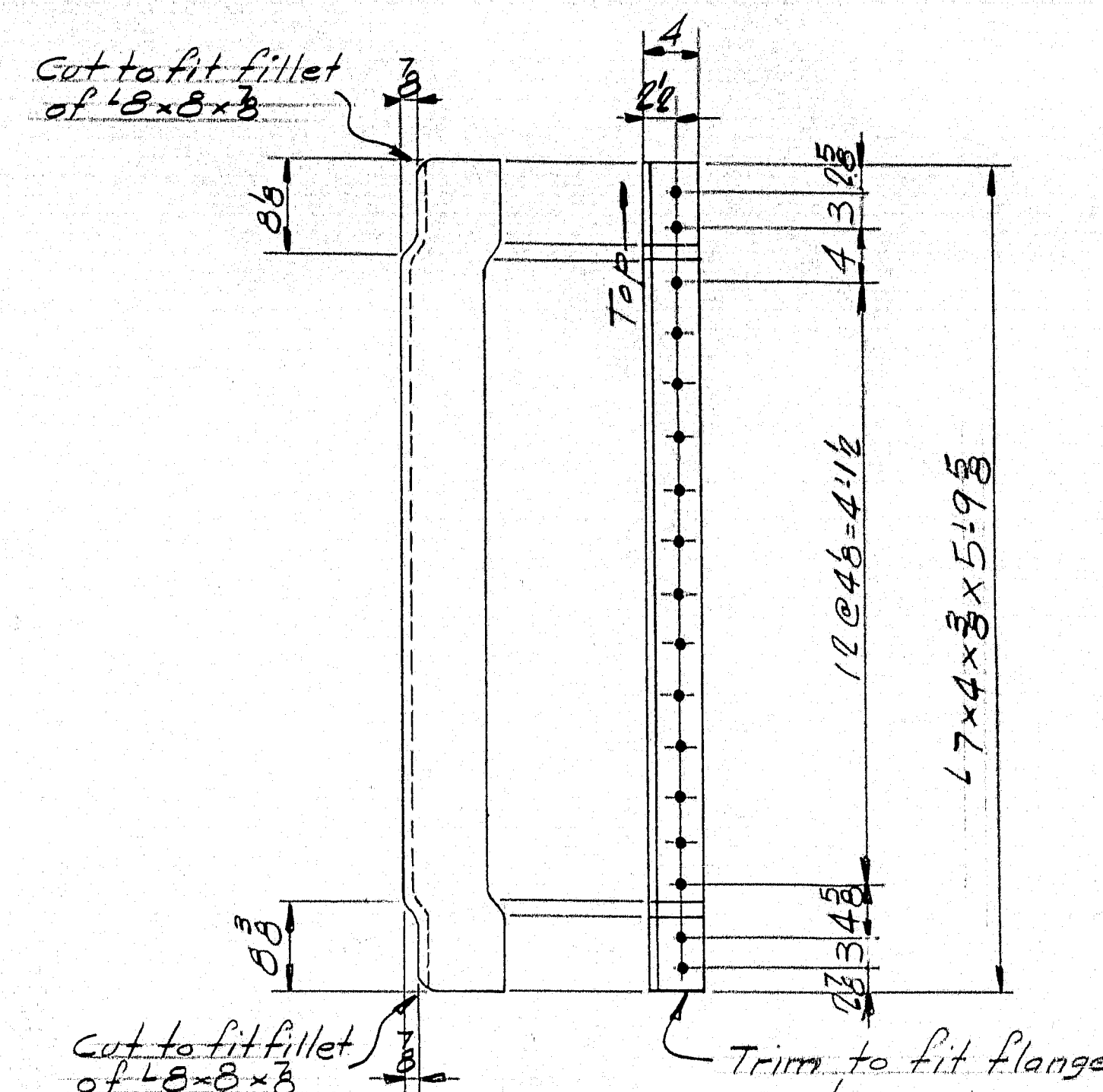
DRAWN	6-25-59 J.P.F.
REVISION	9-20-59 J.P.F.
REVISION	
REVISION	



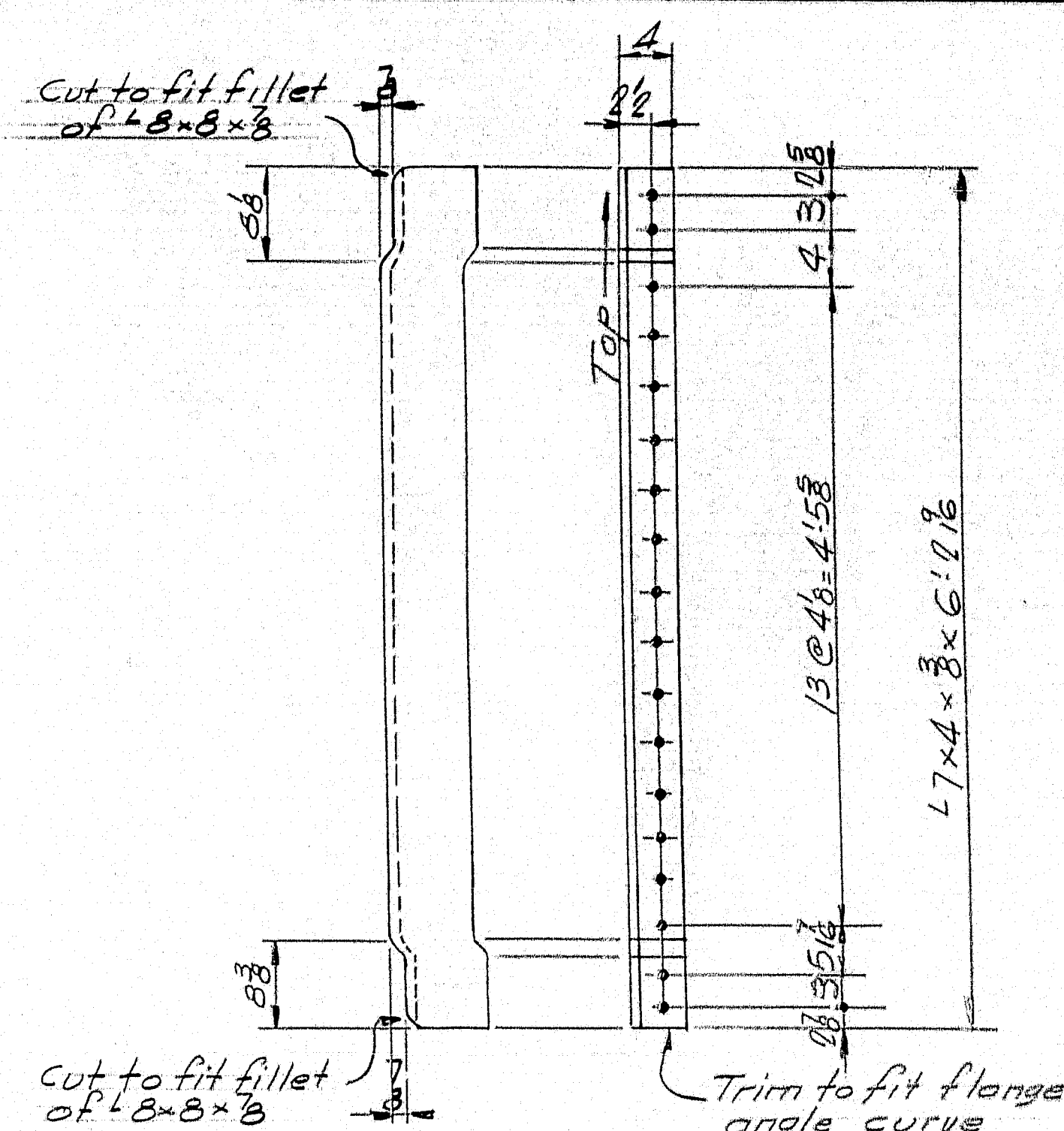
ca 13^R - 64 Req'd. - As Shown.
ca 13^L - 64 Req'd. - Opp. Hand.



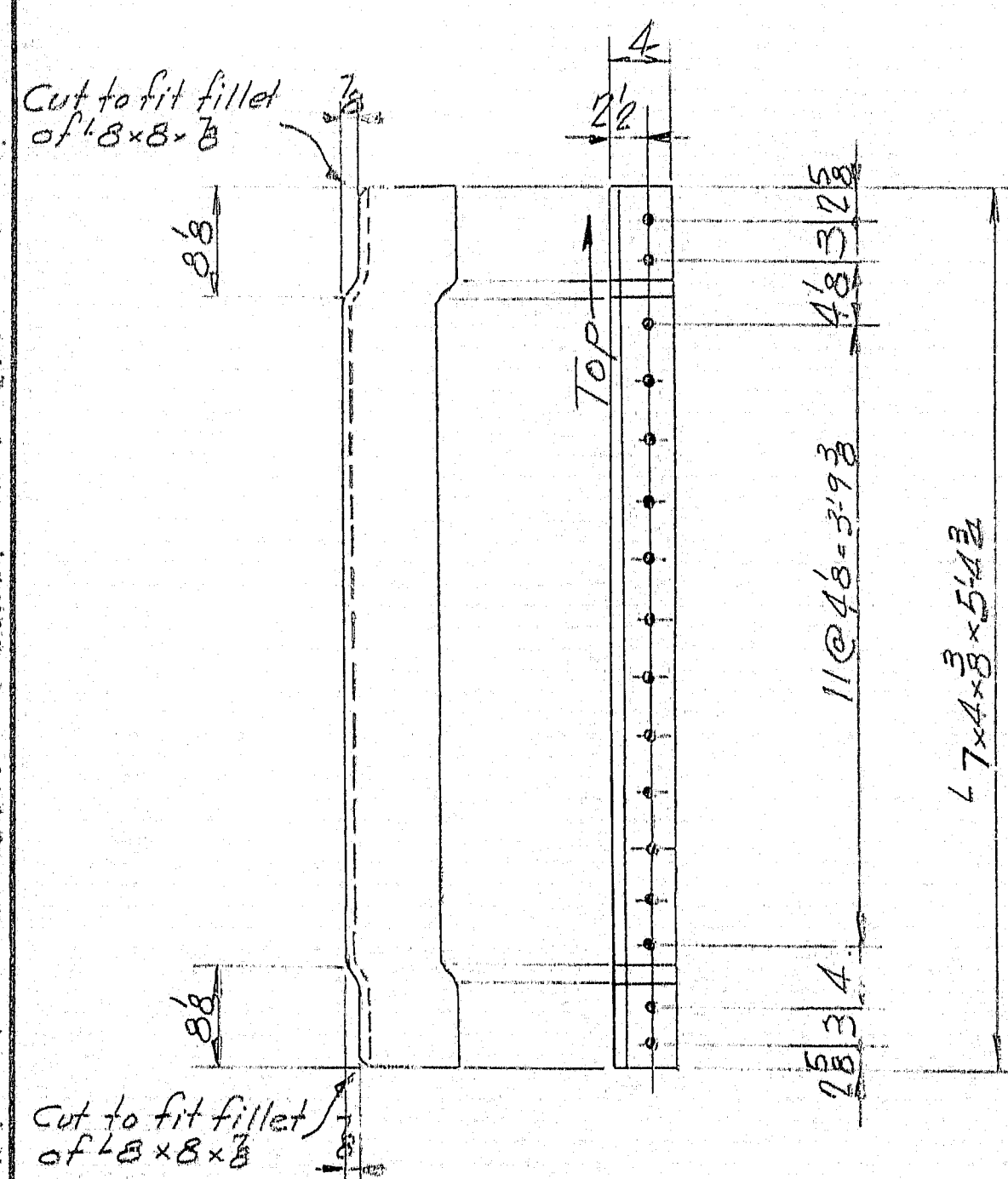
ca 14 - 16 Req'd. - As Shown.



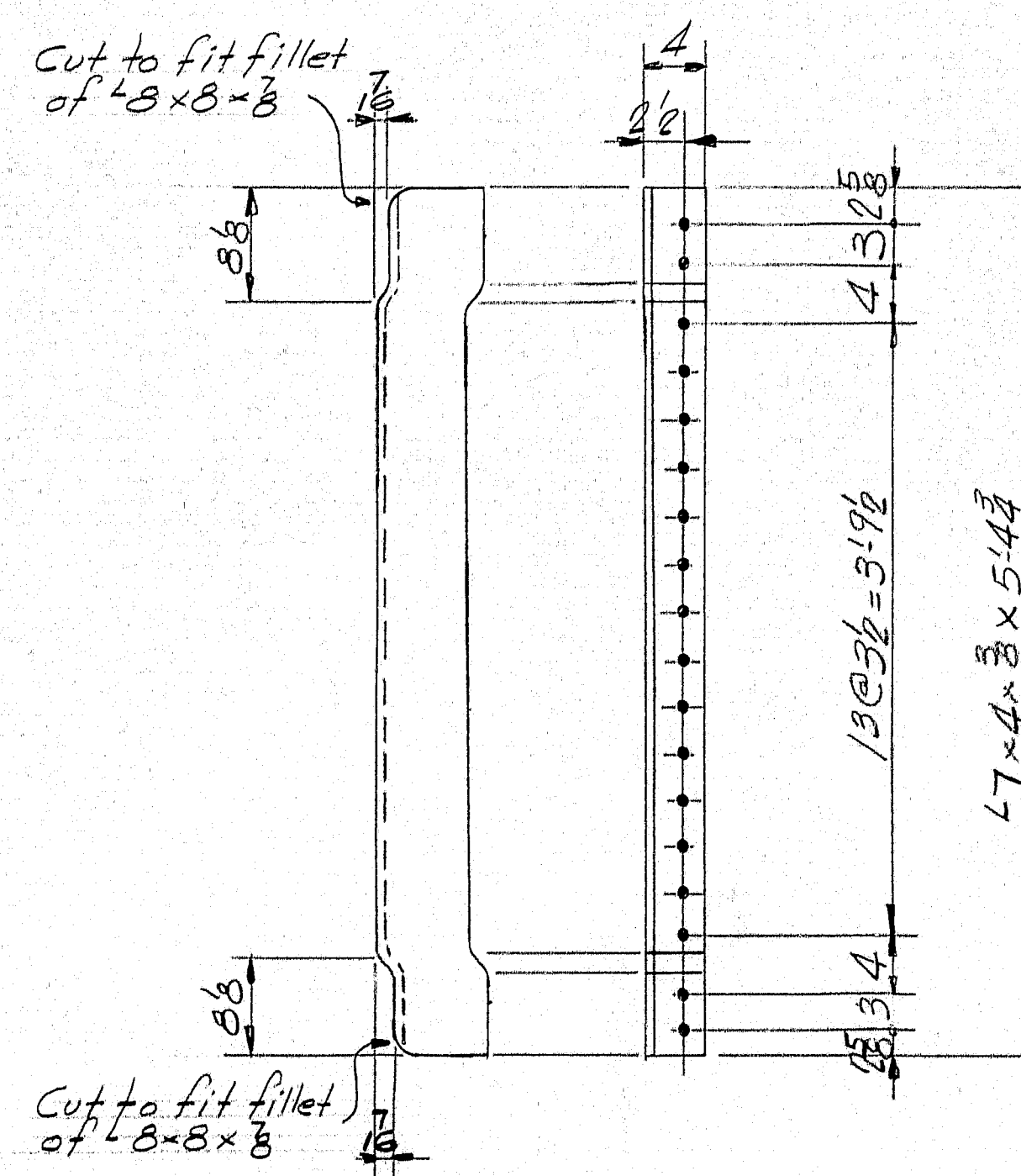
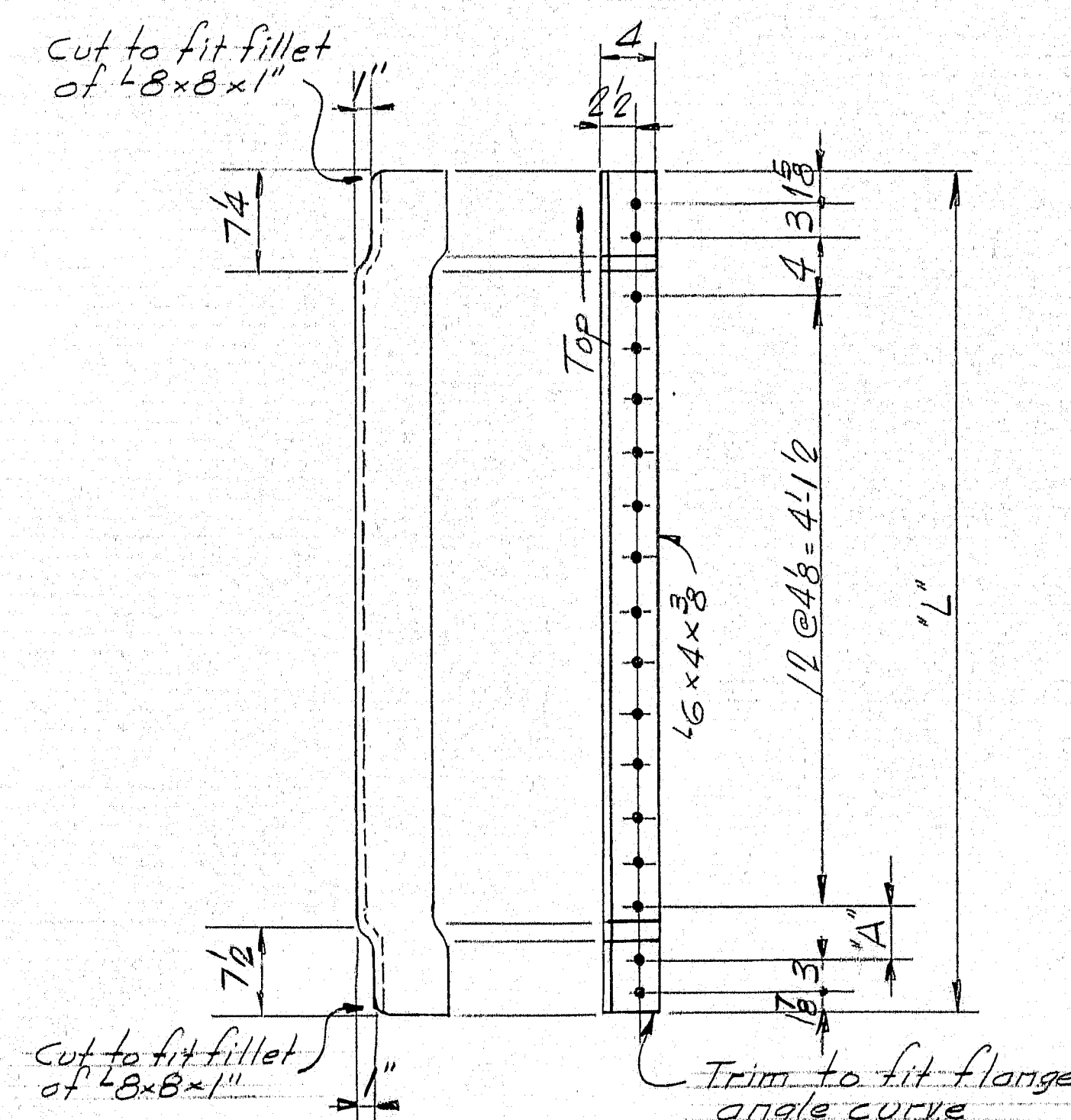
ca 15^R - 4 Req'd. - As Shown
ca 15^L - 4 Req'd. - Opp. Hand.



ca 16^R - 4 Req'd. - As Shown.
ca 16^L - 4 Req'd. - Opp. Hand.



ca 17^R - 4 Req'd. - As Shown
ca 17^L - 4 Req'd. - Opp. Hand



ca 20 - 4 Req'd. - As Shown.

"A"	"L"	No	MARK	NOTES
5 3/4	5'8 3/8	8	ca 18 ^R	As Shown
		8	ca 18 ^L	Opp. Hand
7 1/8	5'10 1/8	8	ca 19 ^R	As Shown
		8	ca 19 ^L	Opp. Hand

NOTES:

See "GENERAL NOTES"
Dwg. 7-60-515

CRIMPED ANGLE DETAILS

Ramcraft & Martin Rollings Mills Company
South Portland 7, Maine

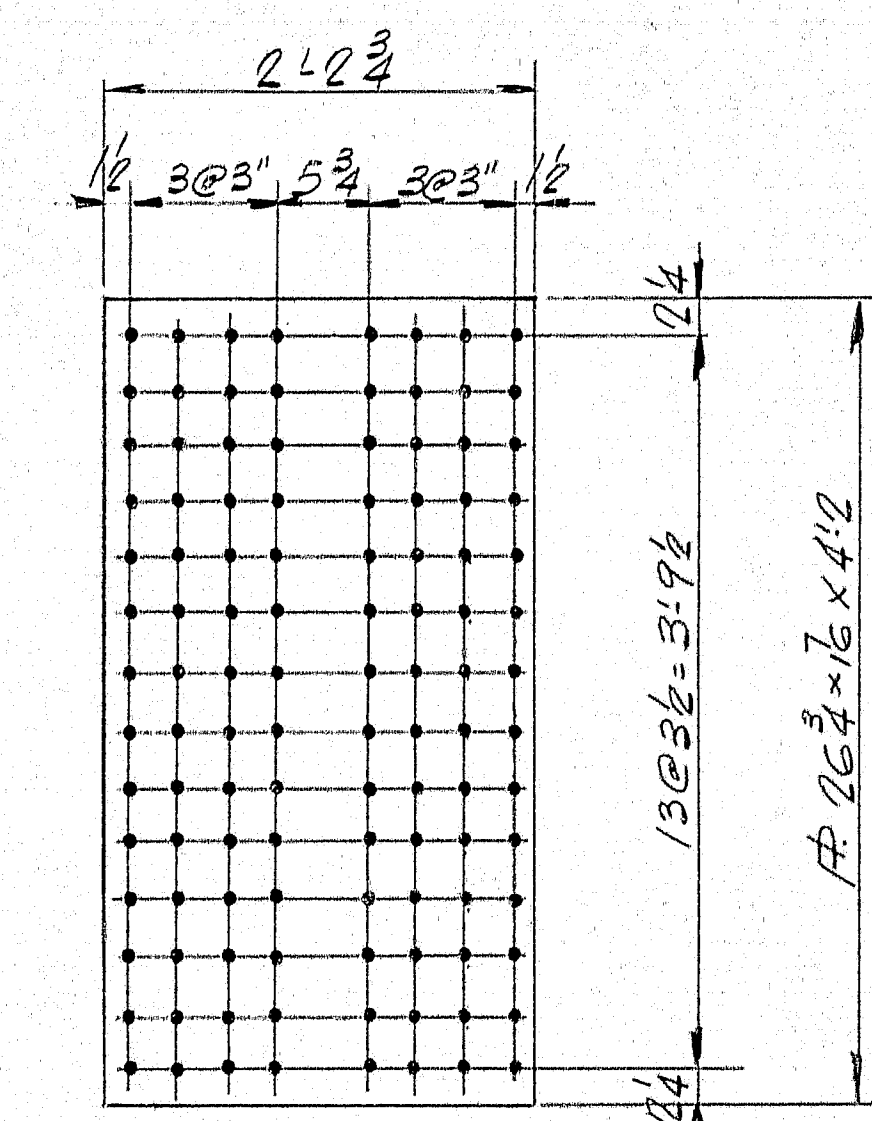
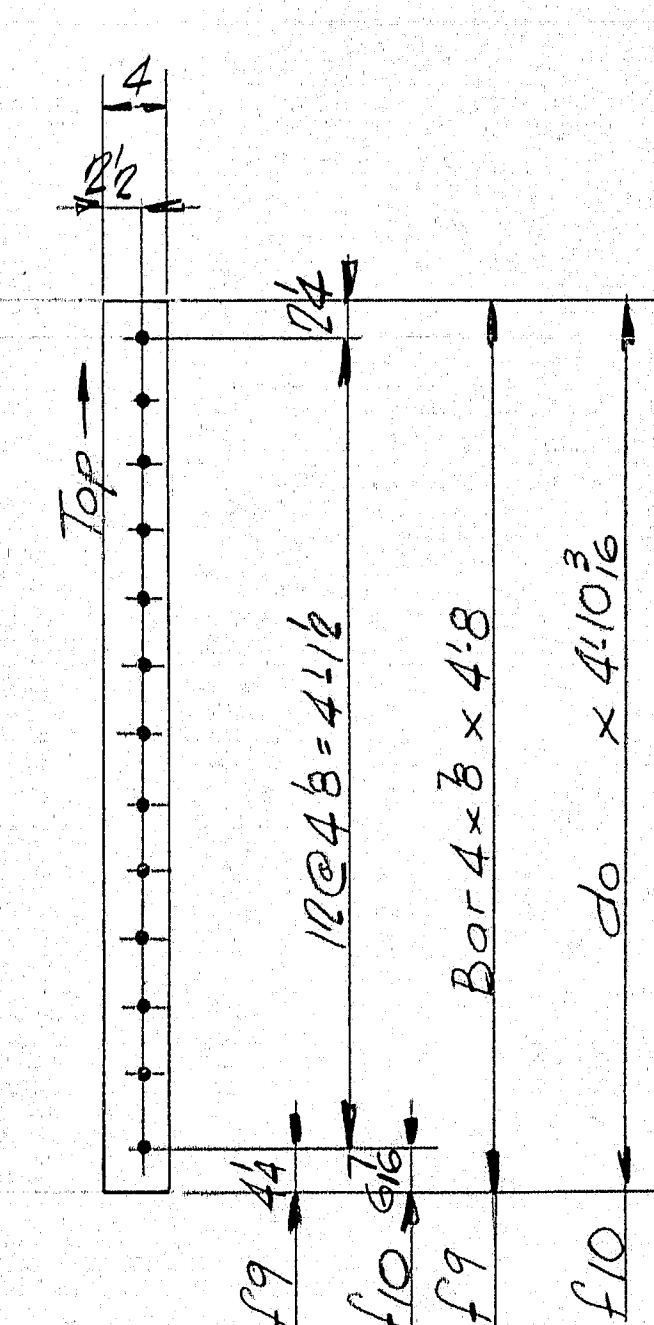
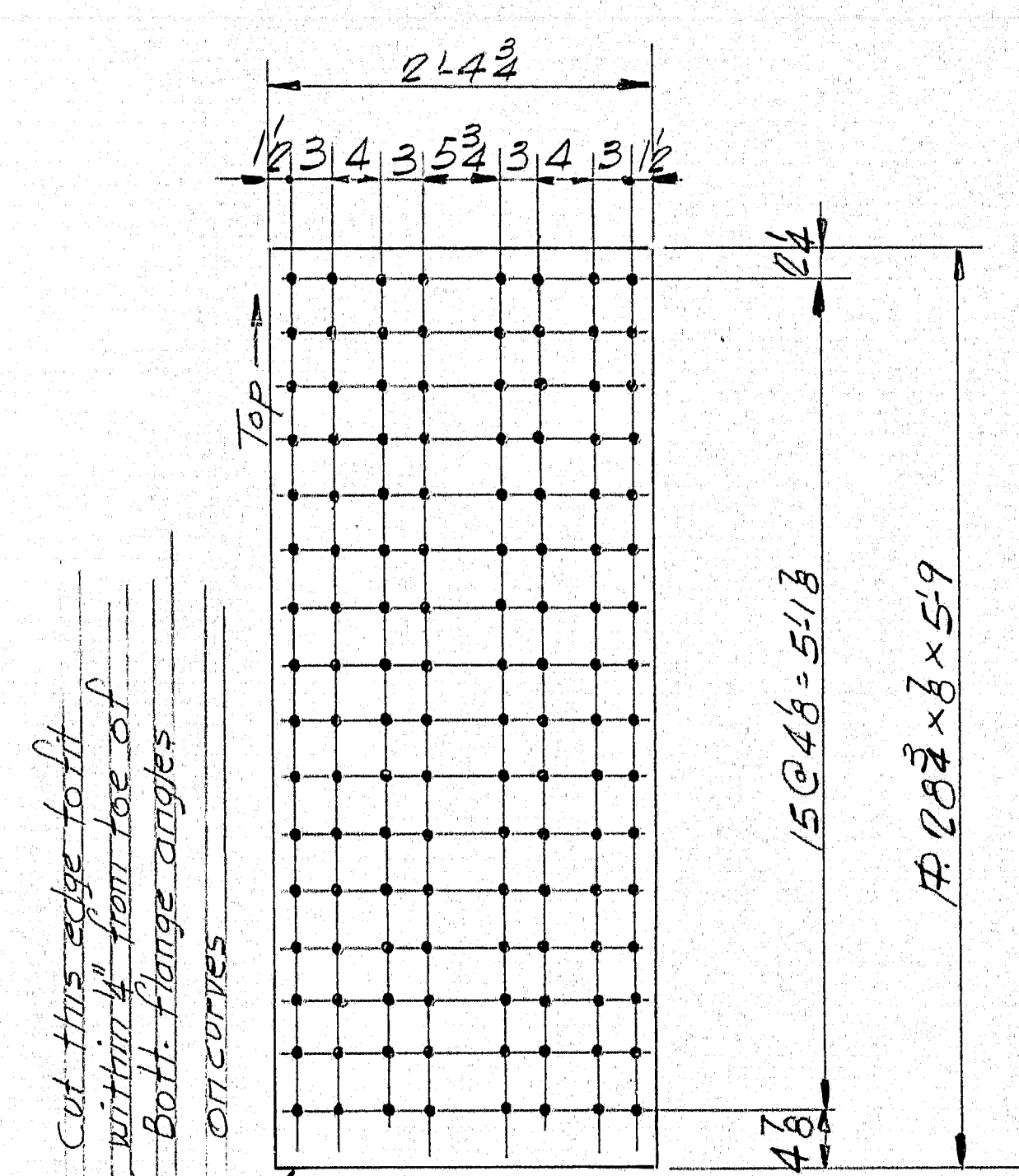
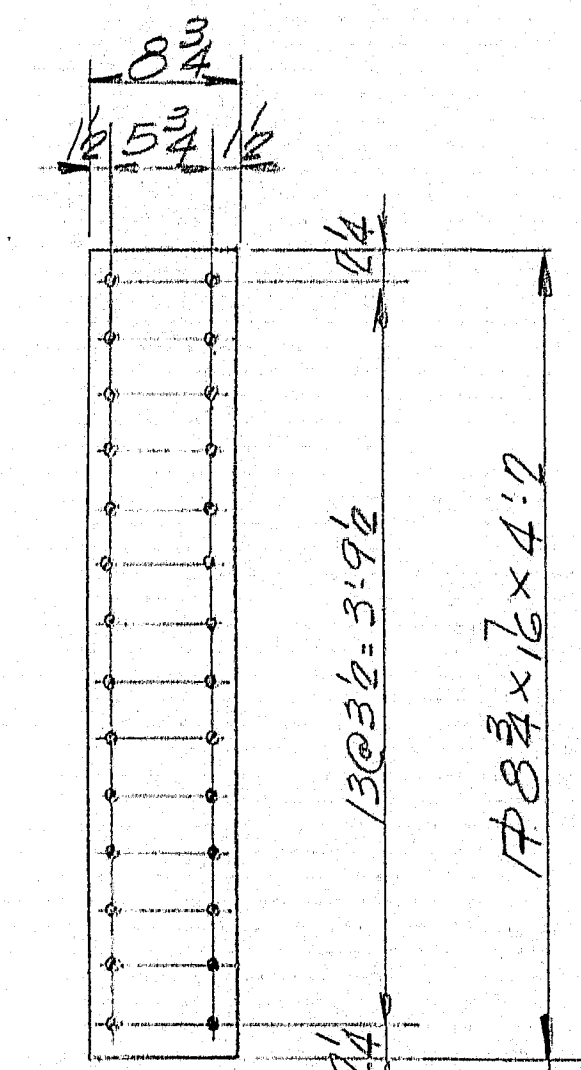
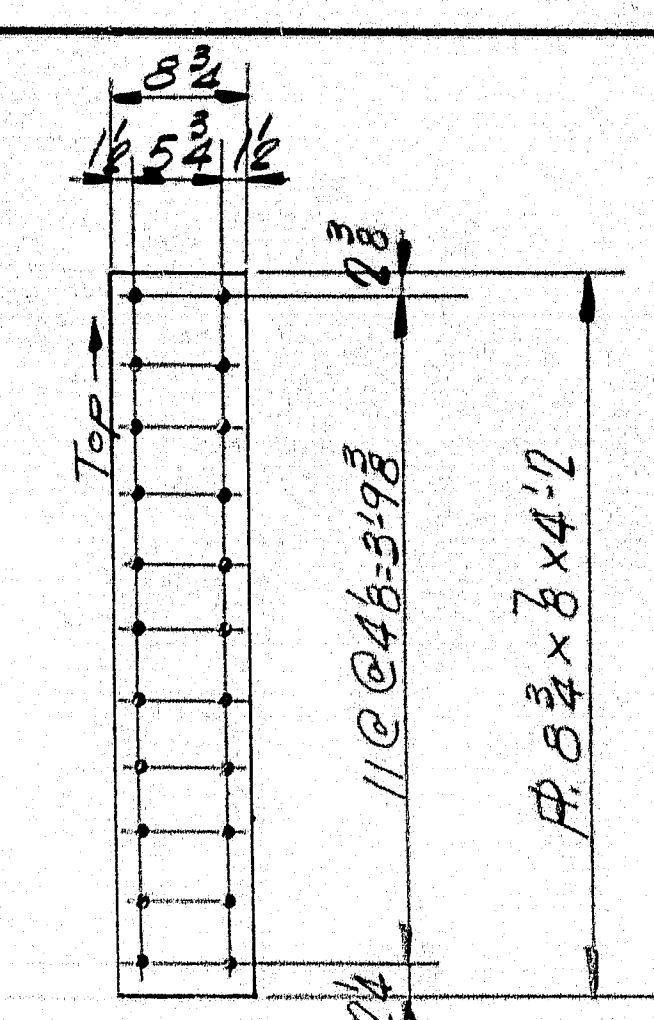
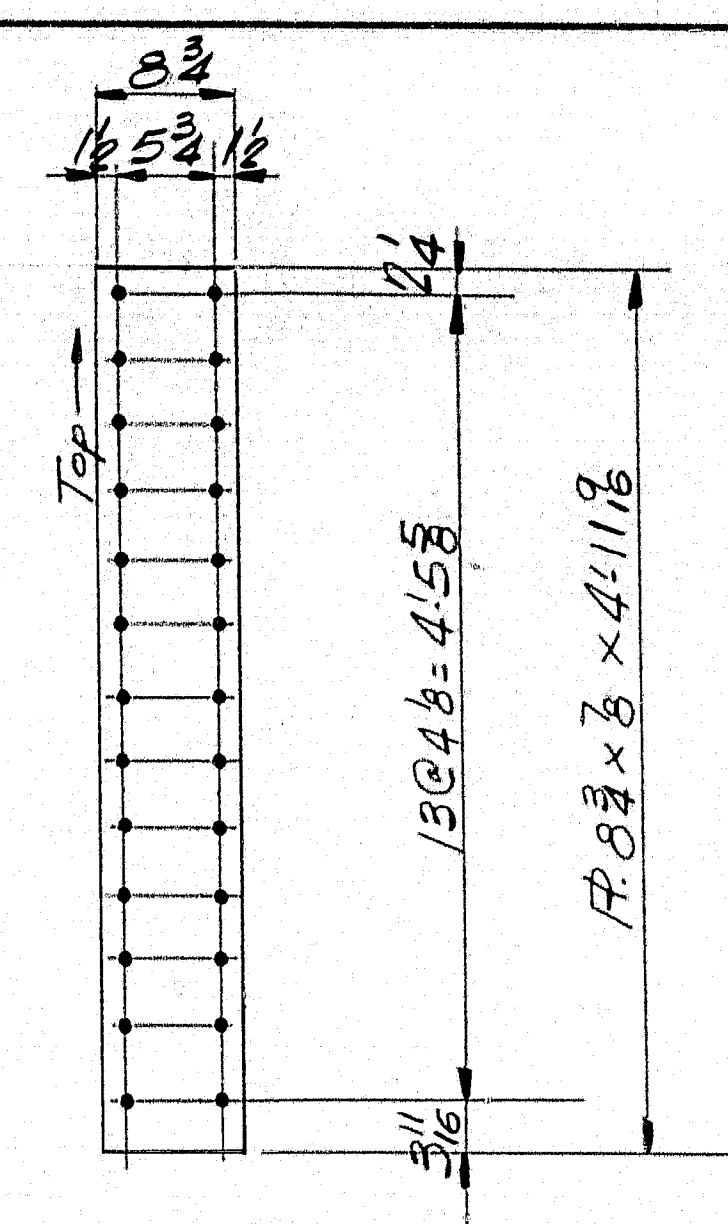
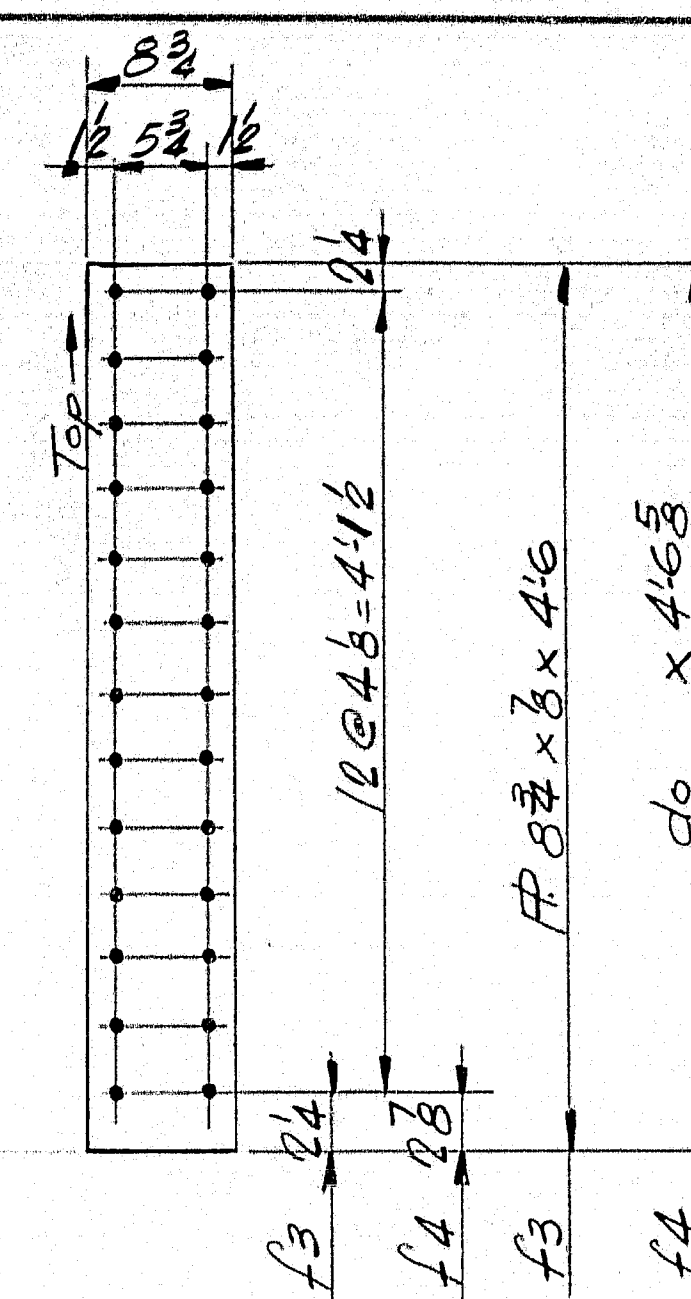
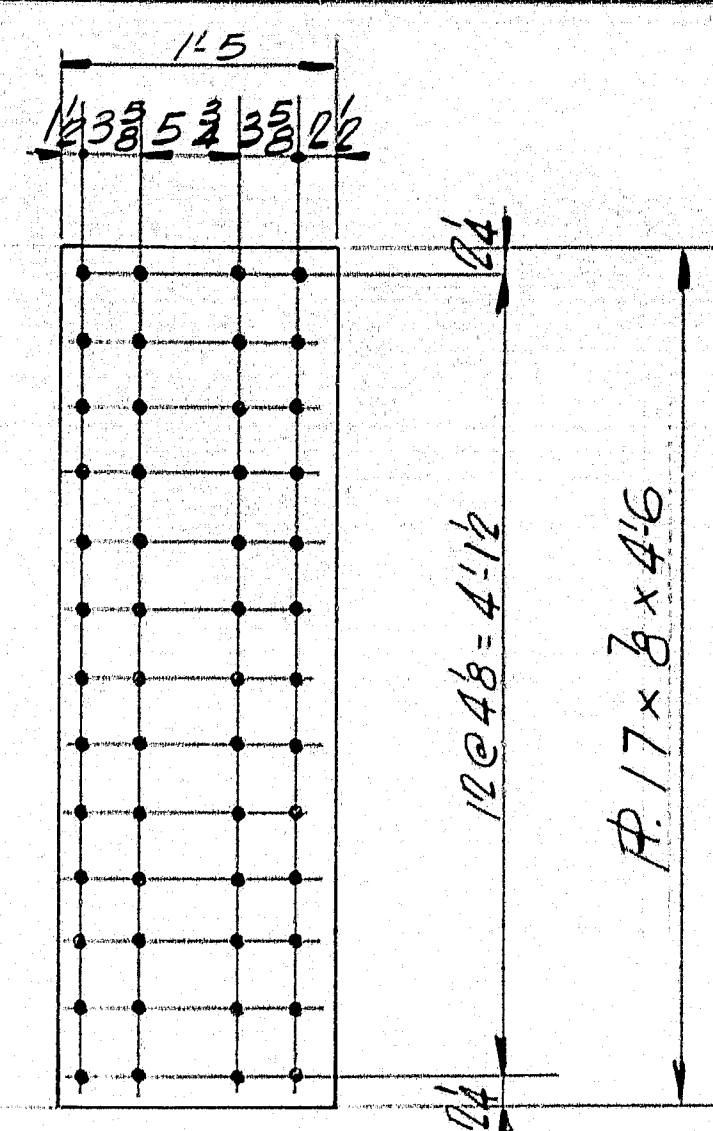
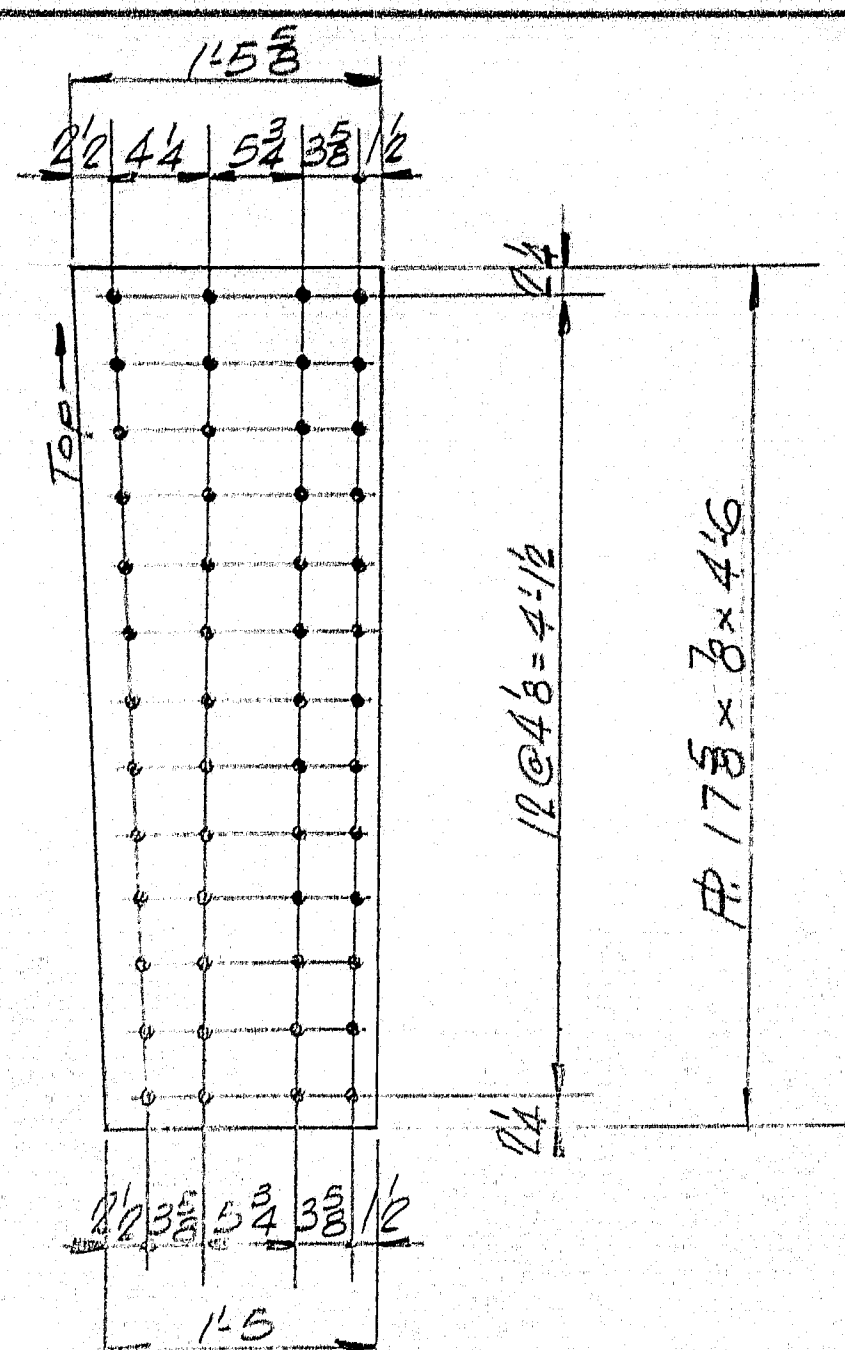
INTERSTATE #95 - OVER
MESSALONSKEE STREET
WATERVILLE, MAINE

CUSTOMER: CLANCHETTE BROS.
DESIGNER: THE CLARKSON ENGINE CO.

ORDER NO. VERBAL DWG. NO. 7-60-538

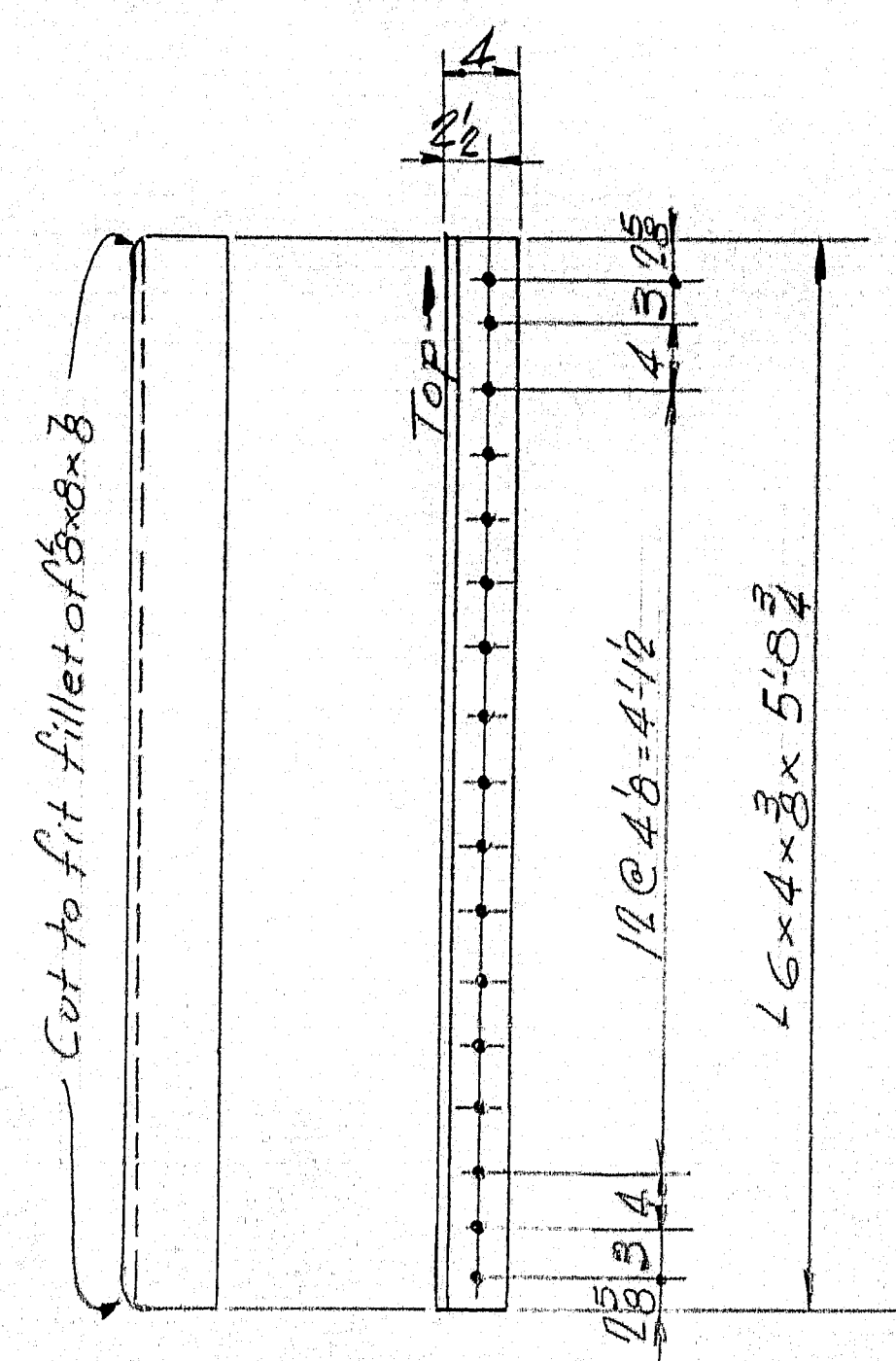
DRAWN	6-22-59 JRF
REVISION	7-28-59 JRF
REVISION	
REVISION	

APP 9-22-59

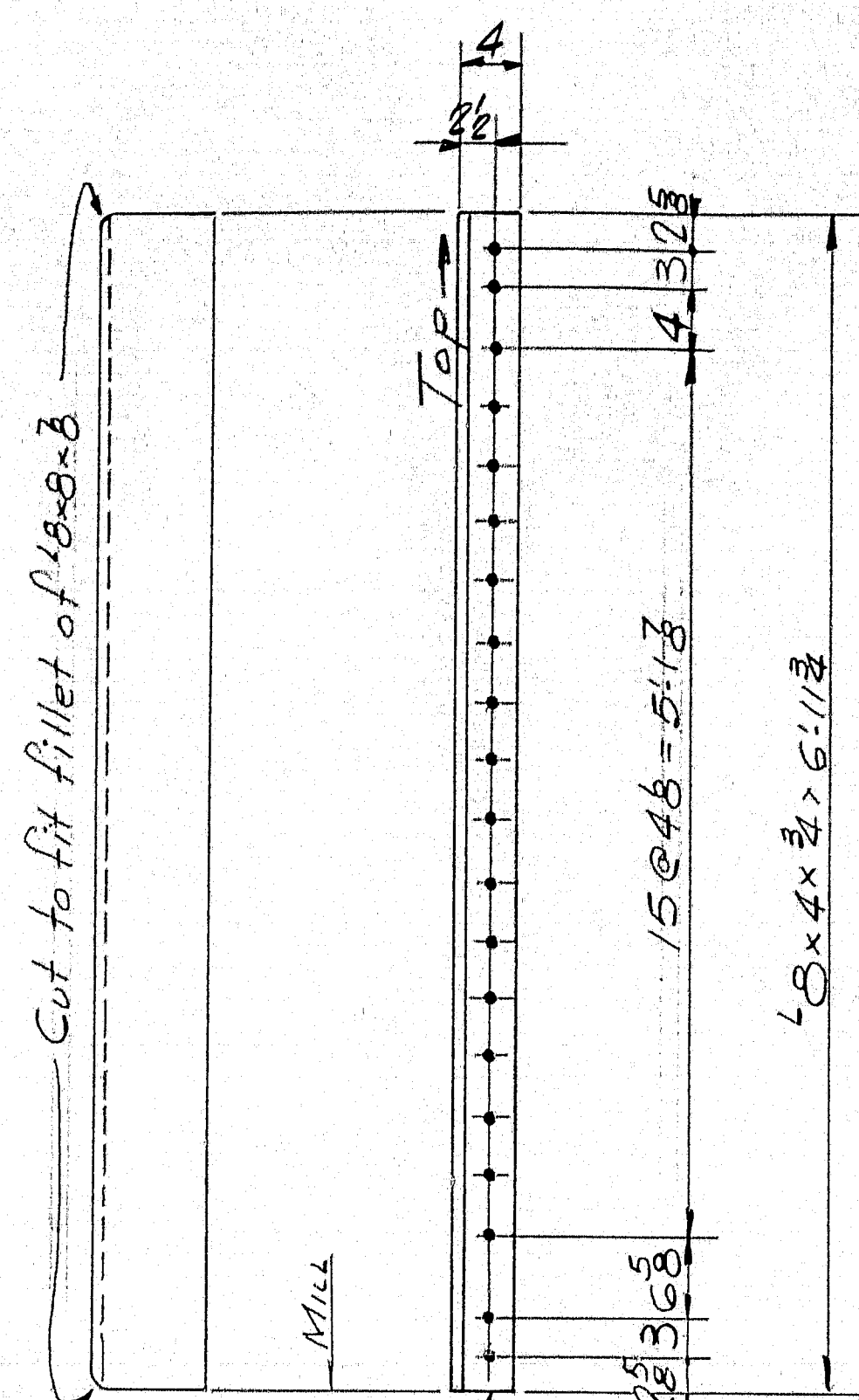


NOTES:
See "GENERAL NOTES" DWG.
9-60-515

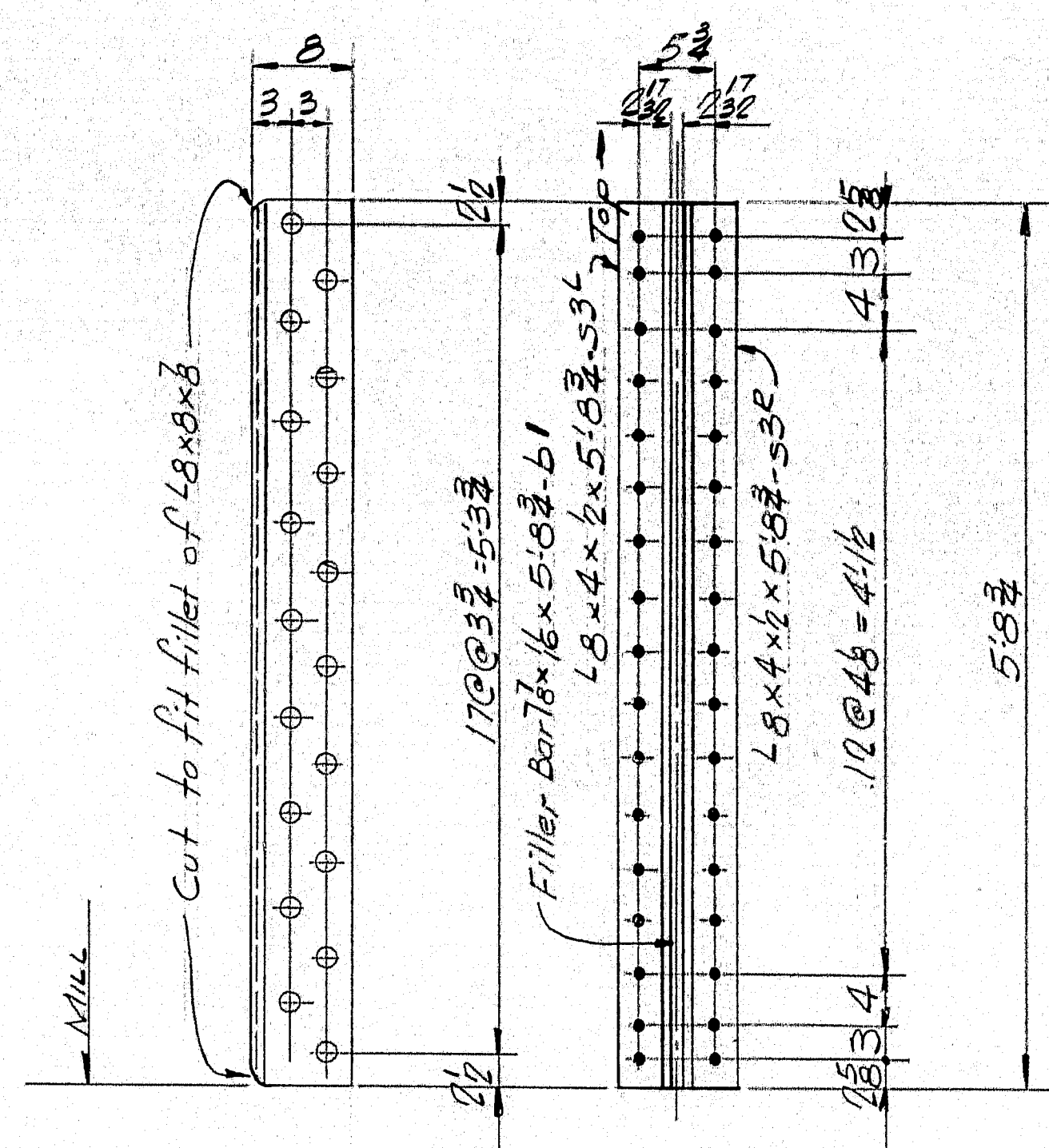
DRAWN <u>G. G. B. J. P. F.</u>		ORDER NO. <u>VERBAL</u> DWG. NO. <u>9-60-539</u>
REVISION <u>9.28.59 J.P.F.</u>		
REVISION		
REVISION		



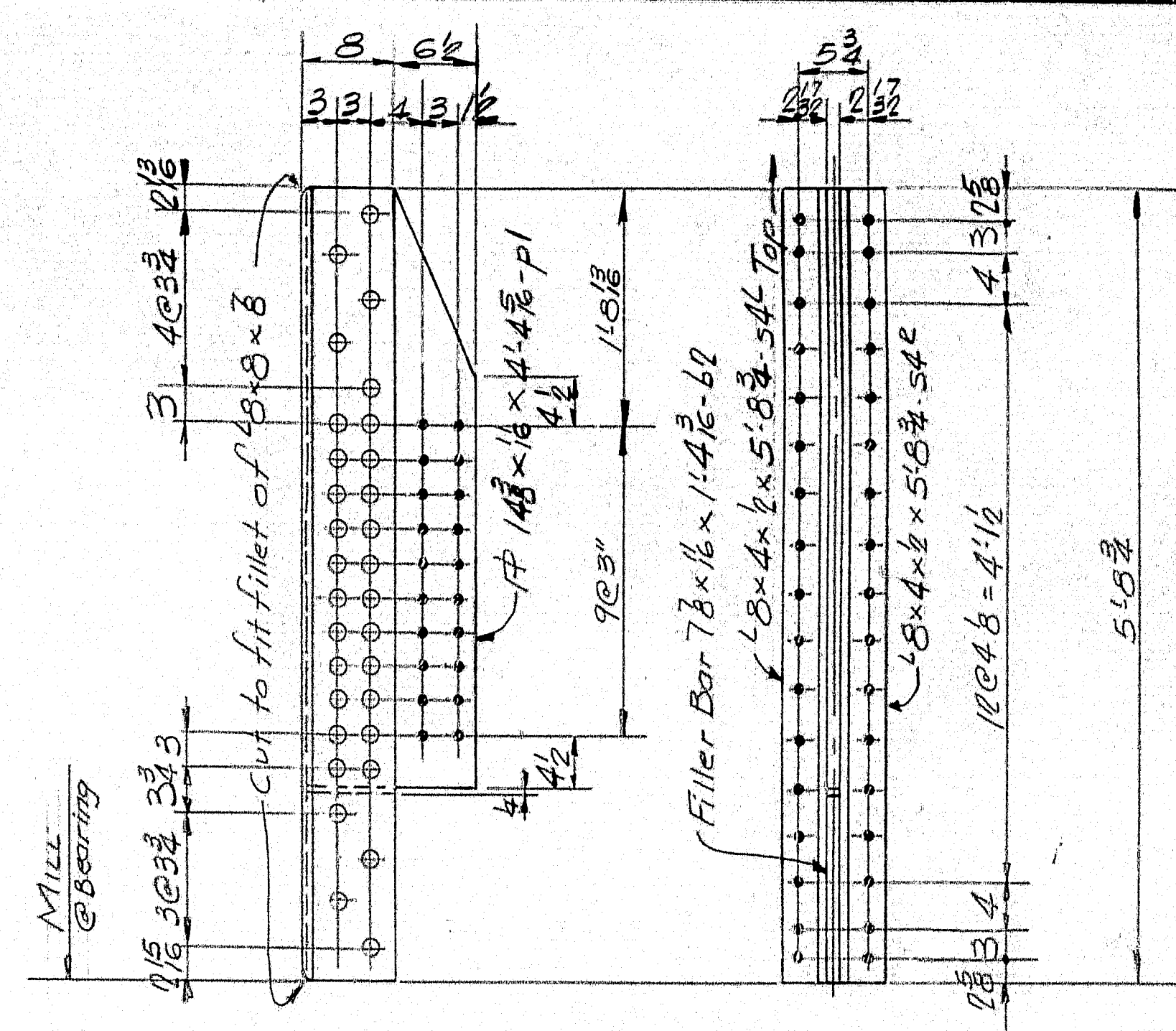
51-16 Req'd



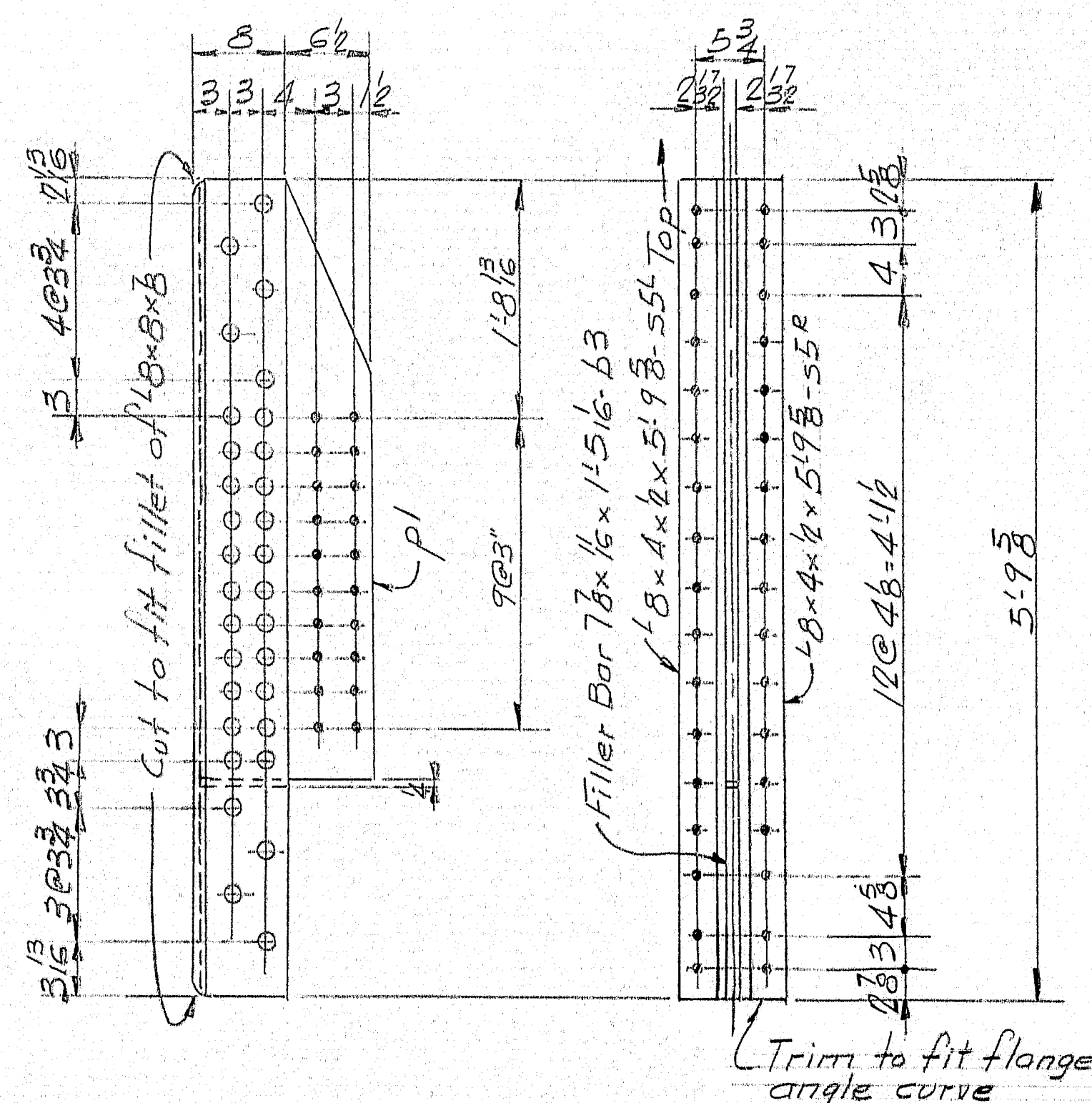
52^R-16 Req'd. As Shown.
52^L-16 Req'd. Opp Hand.



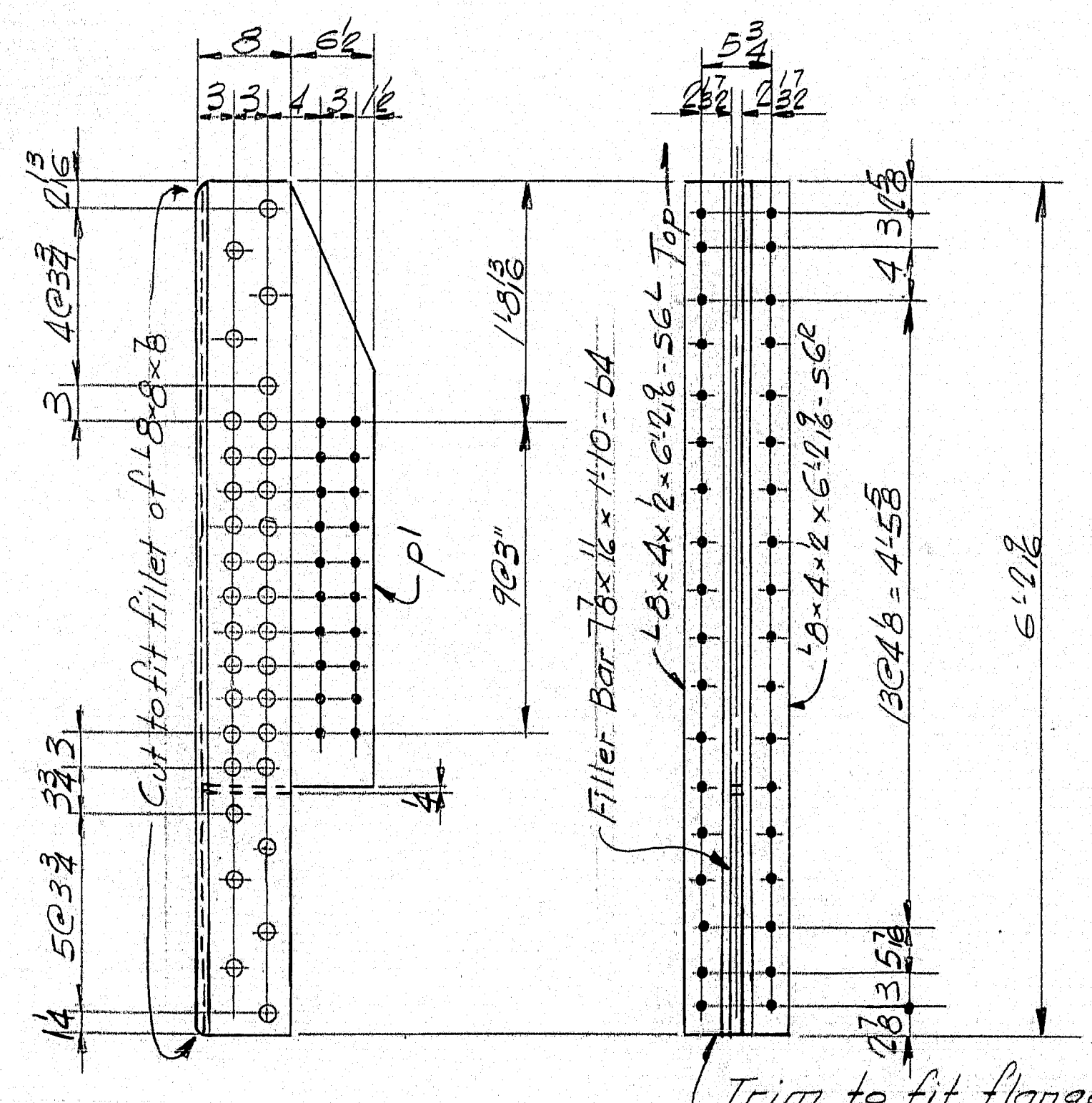
8 Req'd



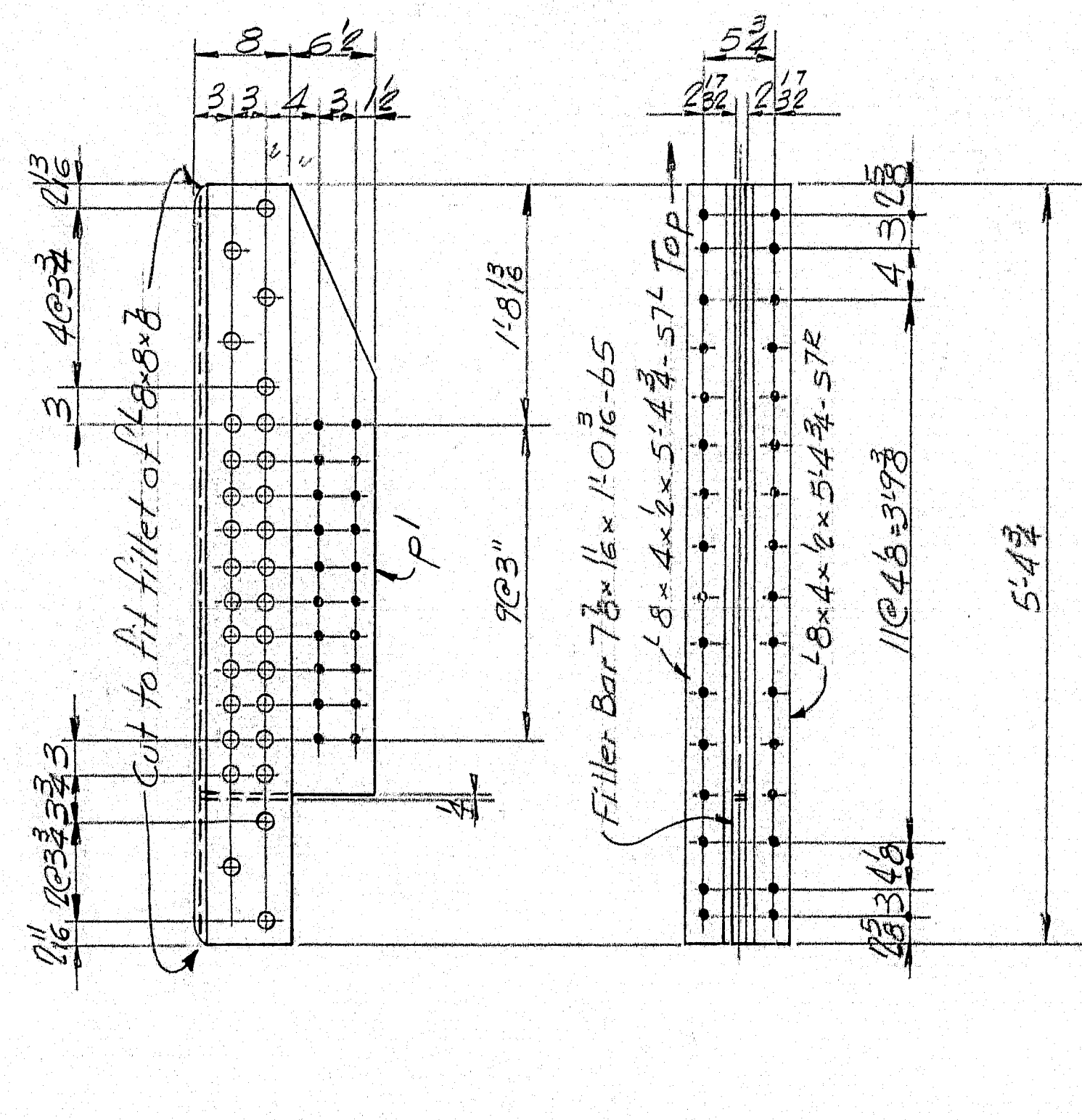
24 Req'd



8 Req'd



8 Req'd



8 Req'd

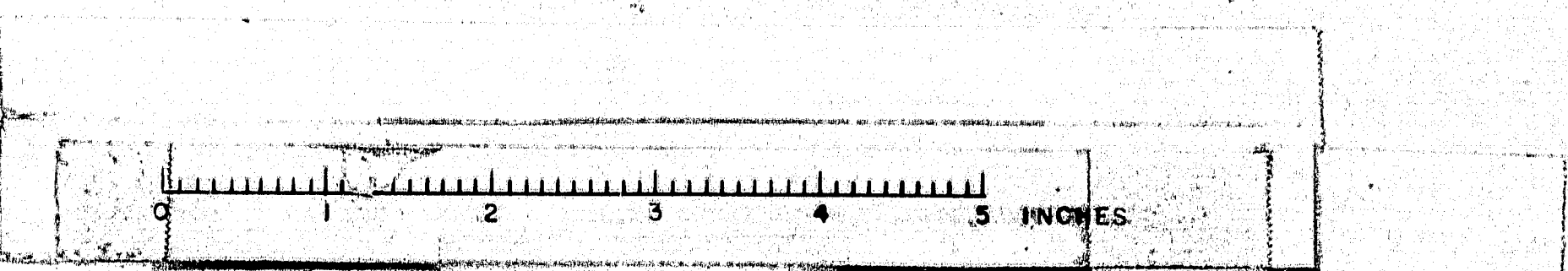
NOTES:

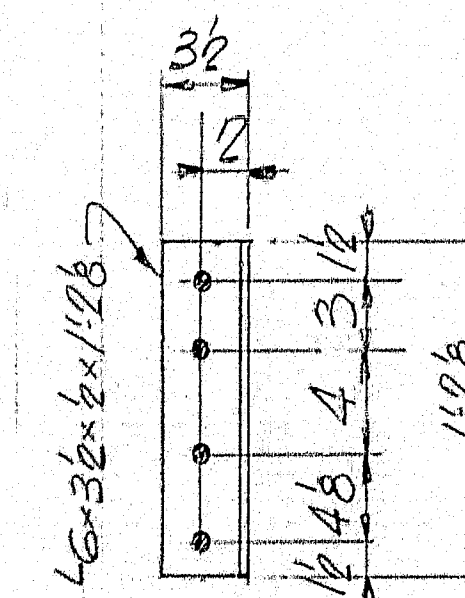
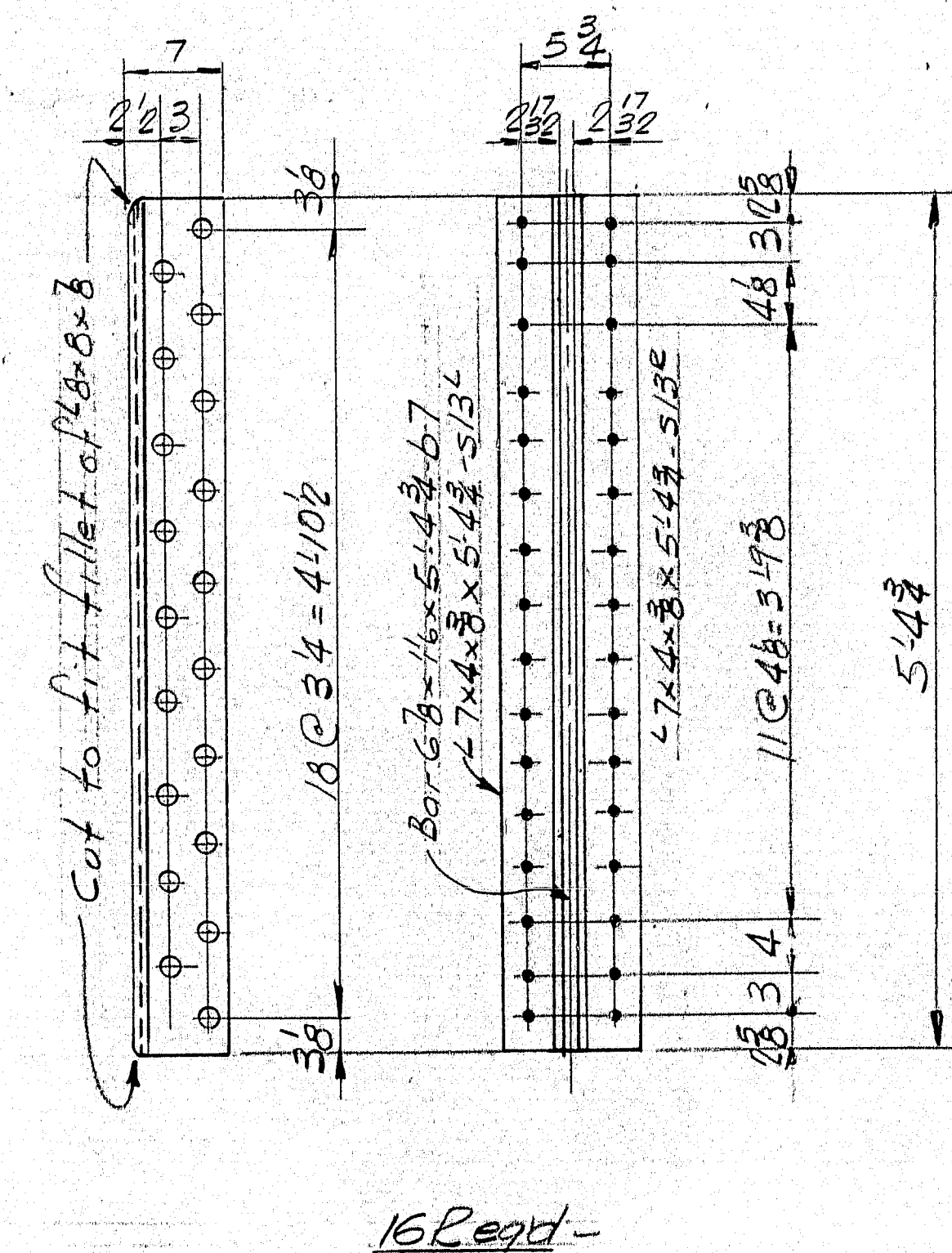
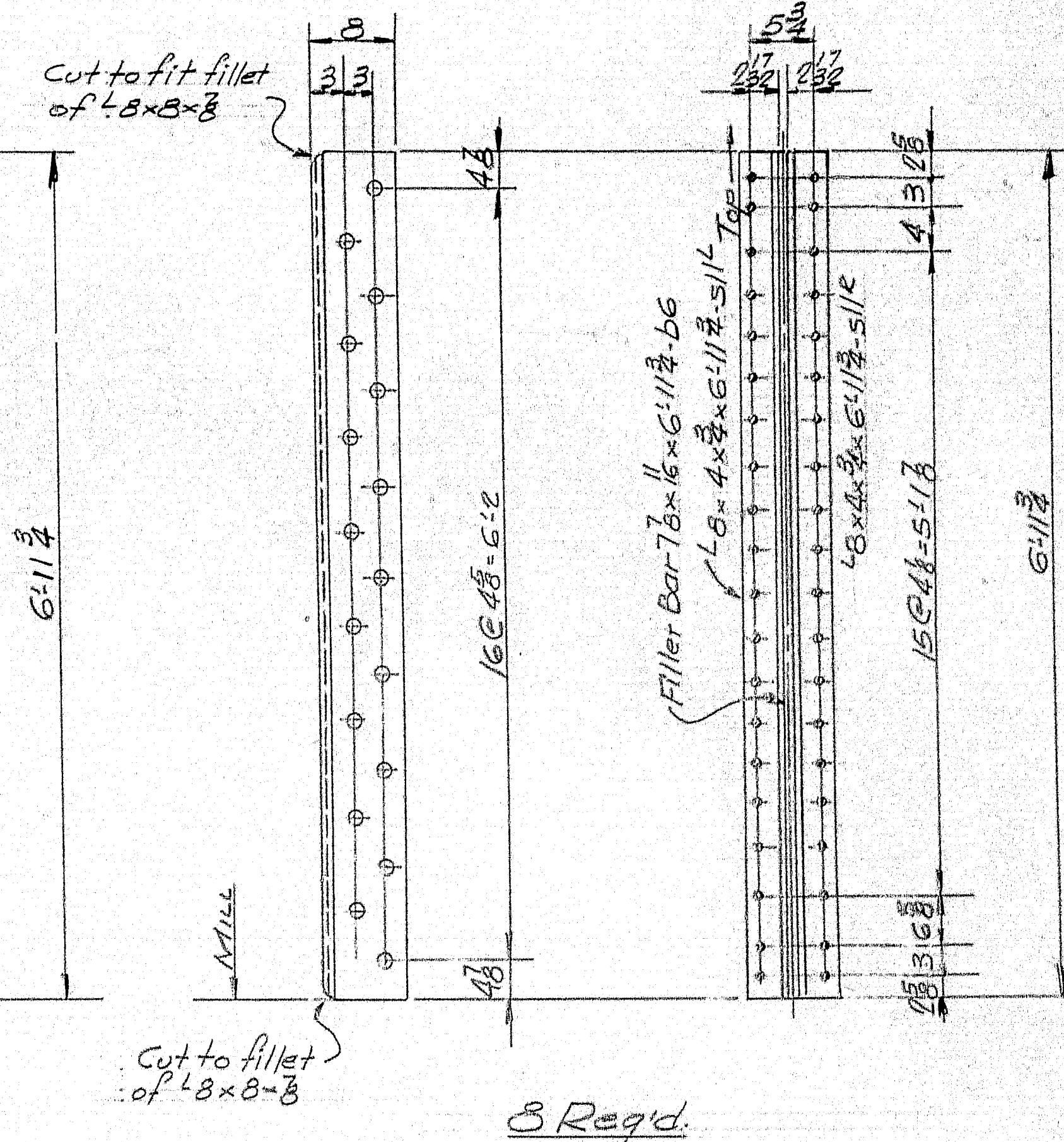
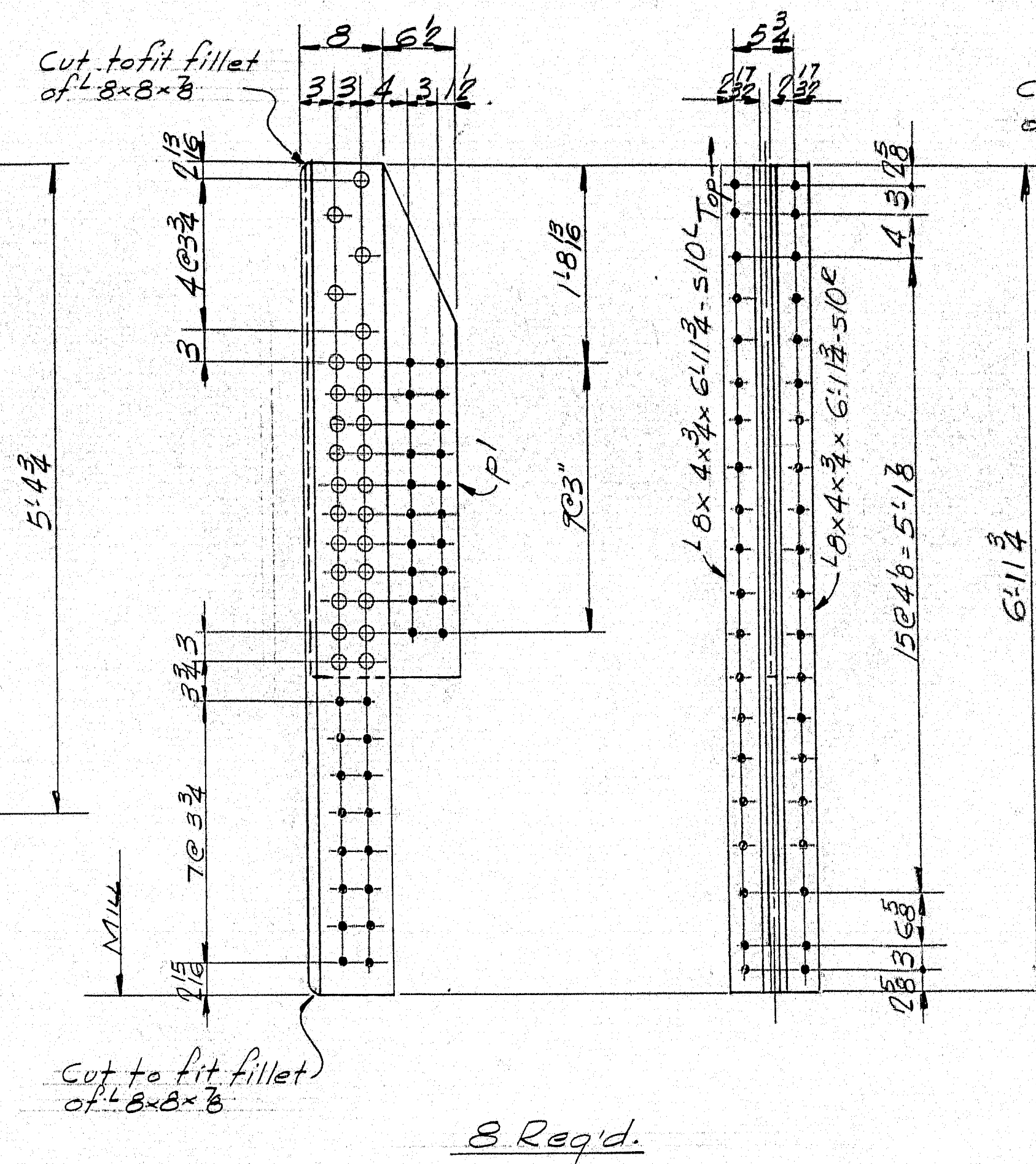
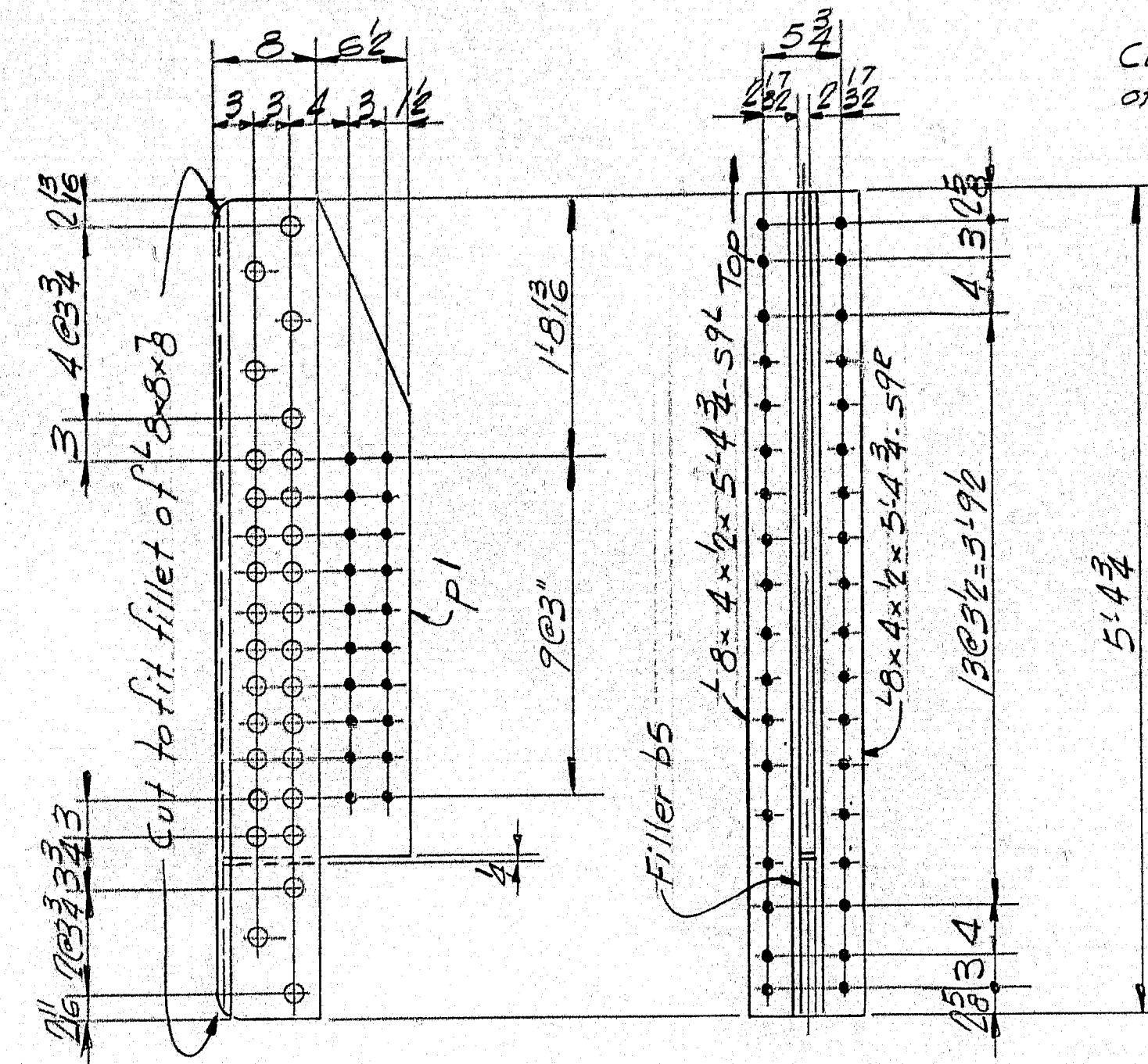
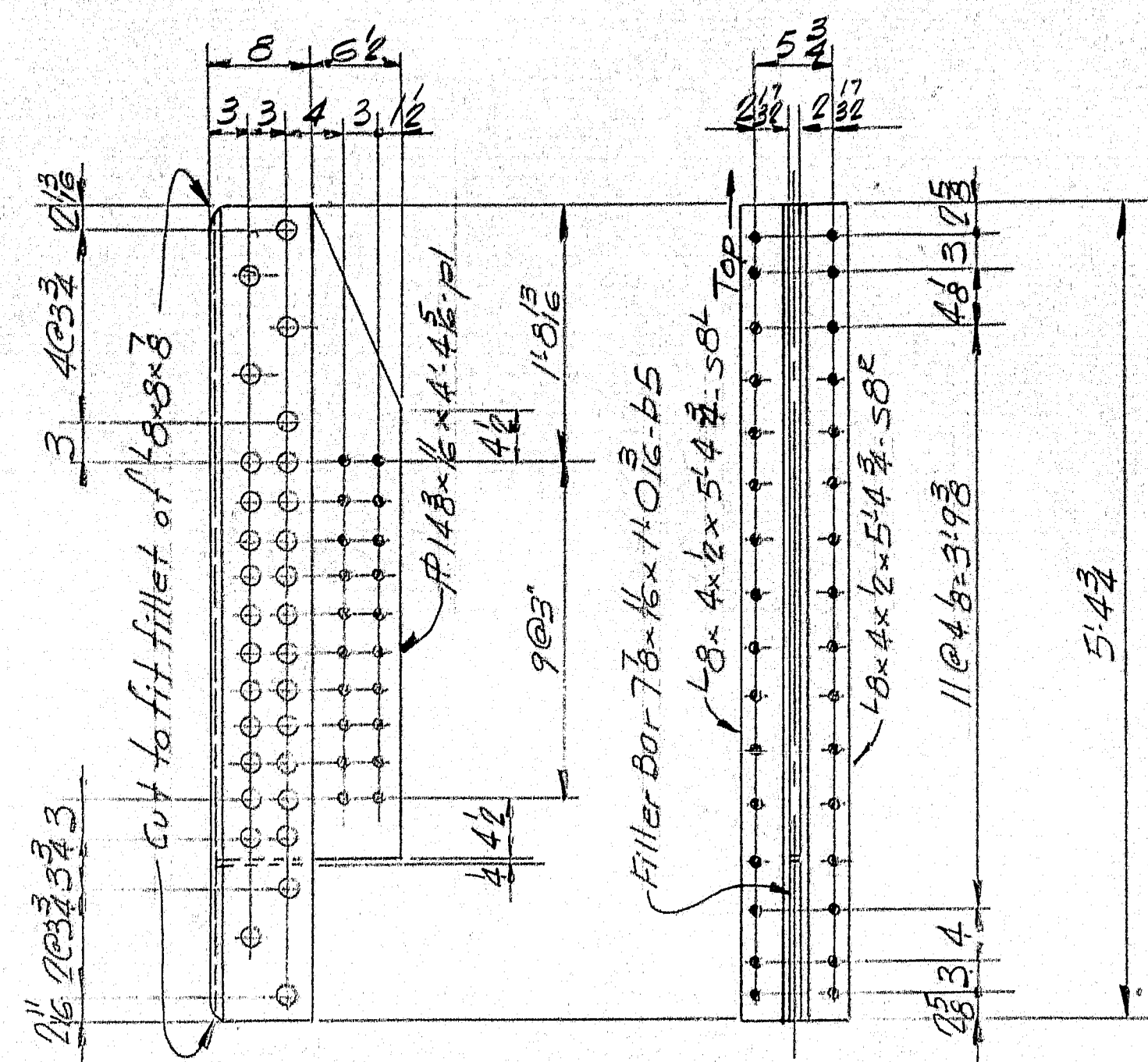
See "GENERAL NOTES"
DWG. 7-60-515

STIFFENER DETAILS	
Bancroft & Martin Rolling Mills Company	
South Portland, Maine	
INTERSTATE # 95 OVER	
MESSALONSREE STREAM	
WATERVILLE, MAINE	
CUSTOMER CLANCHETTE BROS.	
DESIGNER THE CLARKSON ENGR. CO.	
ORDER NO. VERBAL	DWG. NO. 7-60-540

APP. 7-22-59

DRAWN	6-29-59 J.P.H.
REVISION	7-28-59 J.P.H.
REVISION	
REVISION	





s/2^R-4 Regd. As Shown
s/2^L-4 Regd. Opp. Hand

NOTES

See "GENERAL NOTES"
DWG. 9-60-S15

DWG. 9-60-S1E

DRAWN	6-30-59	J.P.F.
REVISION	9-30-59	J.P.F.
REVISION		
REVISION		

REVISION	9-30-59	J.P.F.
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REVISION		

REVISION		
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STIFFENER DETAILS	
Bancroft & Martin Pottery Mills Company South Portland 7, Maine	
INTERSTATE #95 OVER MISSALONKEE STREAM WATERVILLE, MAINE	
CUSTOMER	CIANCHETTE BROS
DESIGNER	THE GLASKEEN ENGR. CO.
ORDER NO. VERBAL	DWG. NO. 960-541

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

South Portland 7, Maine

INTERSTATE #95 OVER
MESSALONSKEE STREAM
WATERVILLE MAINE

MESSALONSKEE STREAM

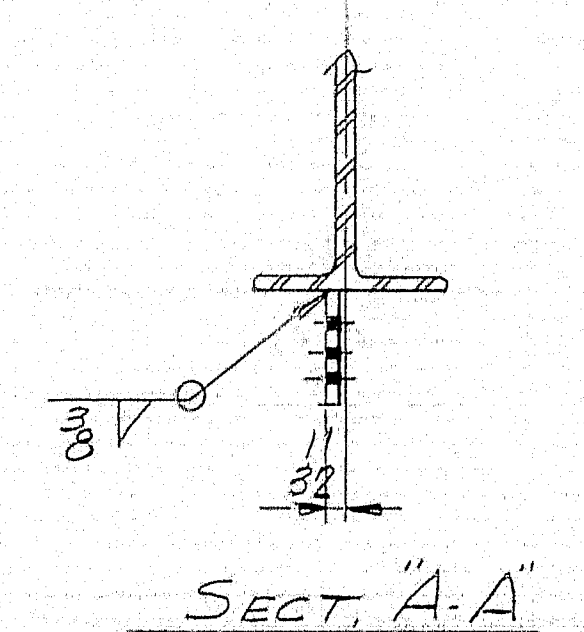
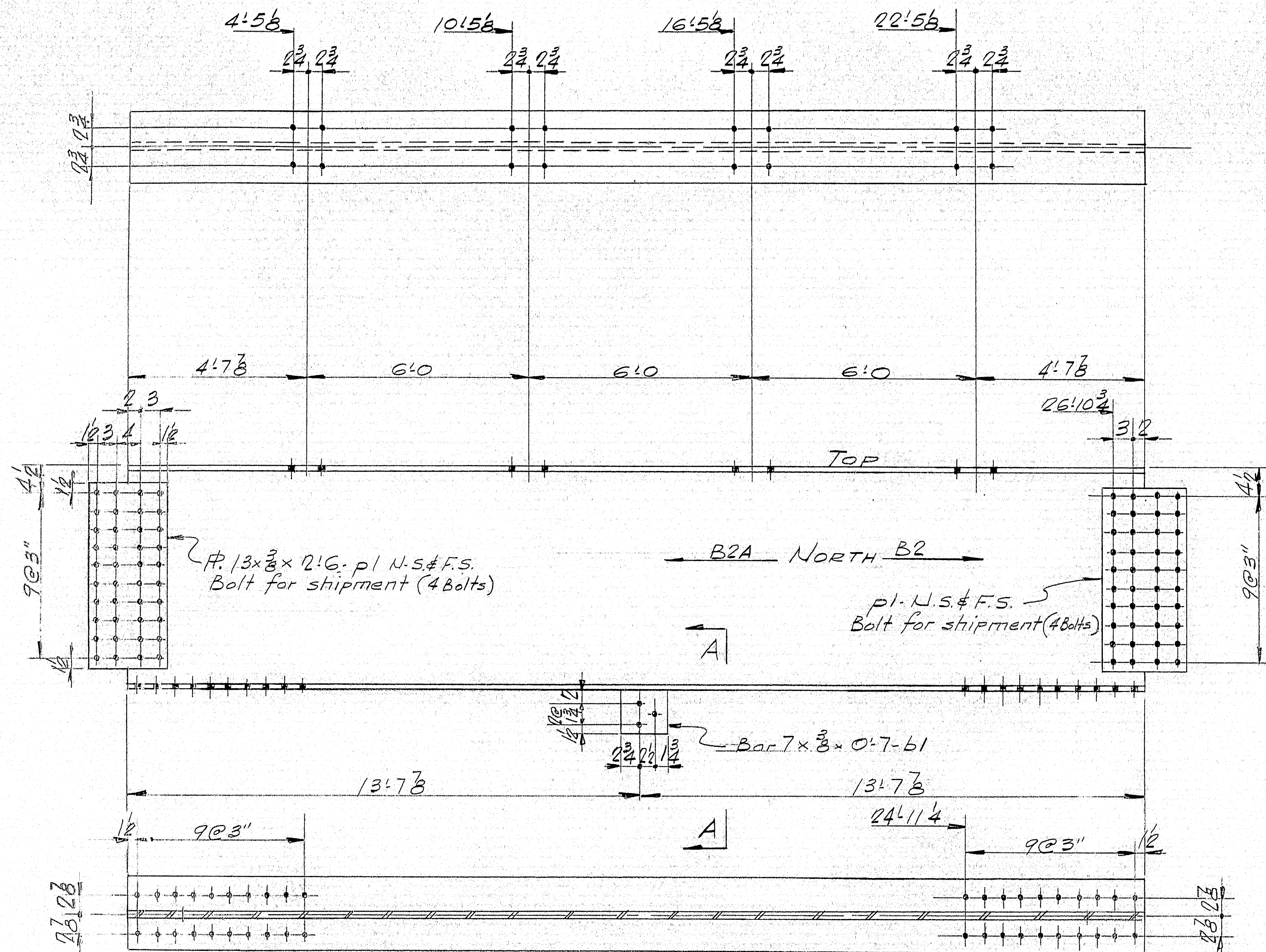
WATERVILLE, MAINE

CUSTOMER LIANCHETTE DROS
DESIGNER THE CARPENTER FURNITURE CO.

DESIGNER THE CLEGGARD LENSE CO.

ORDER NO. VERBAL DWG. NO. 9-60-541

77-16



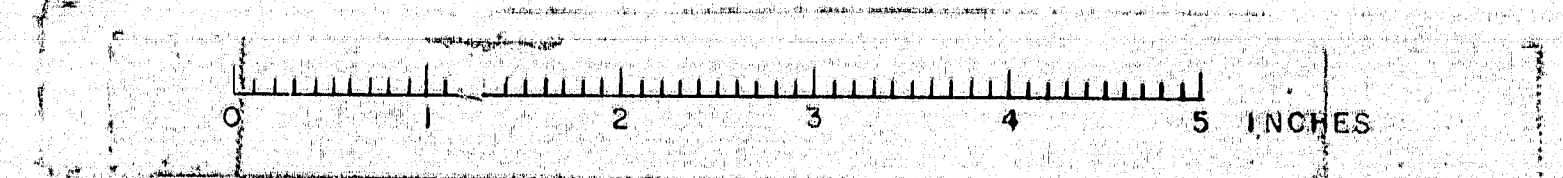
1-B2	36WF170 x 27' 3 3/4" - As Noted - SOUTHBOUND BRIDGE
1-B2A	Do x 27' 3 3/4" - As Noted - Do Do
1-B2	Do x 27' 3 3/4" - As Noted - NORTHBOUND BRIDGE
1-B2A	Do x 27' 3 3/4" - As Noted - Do Do

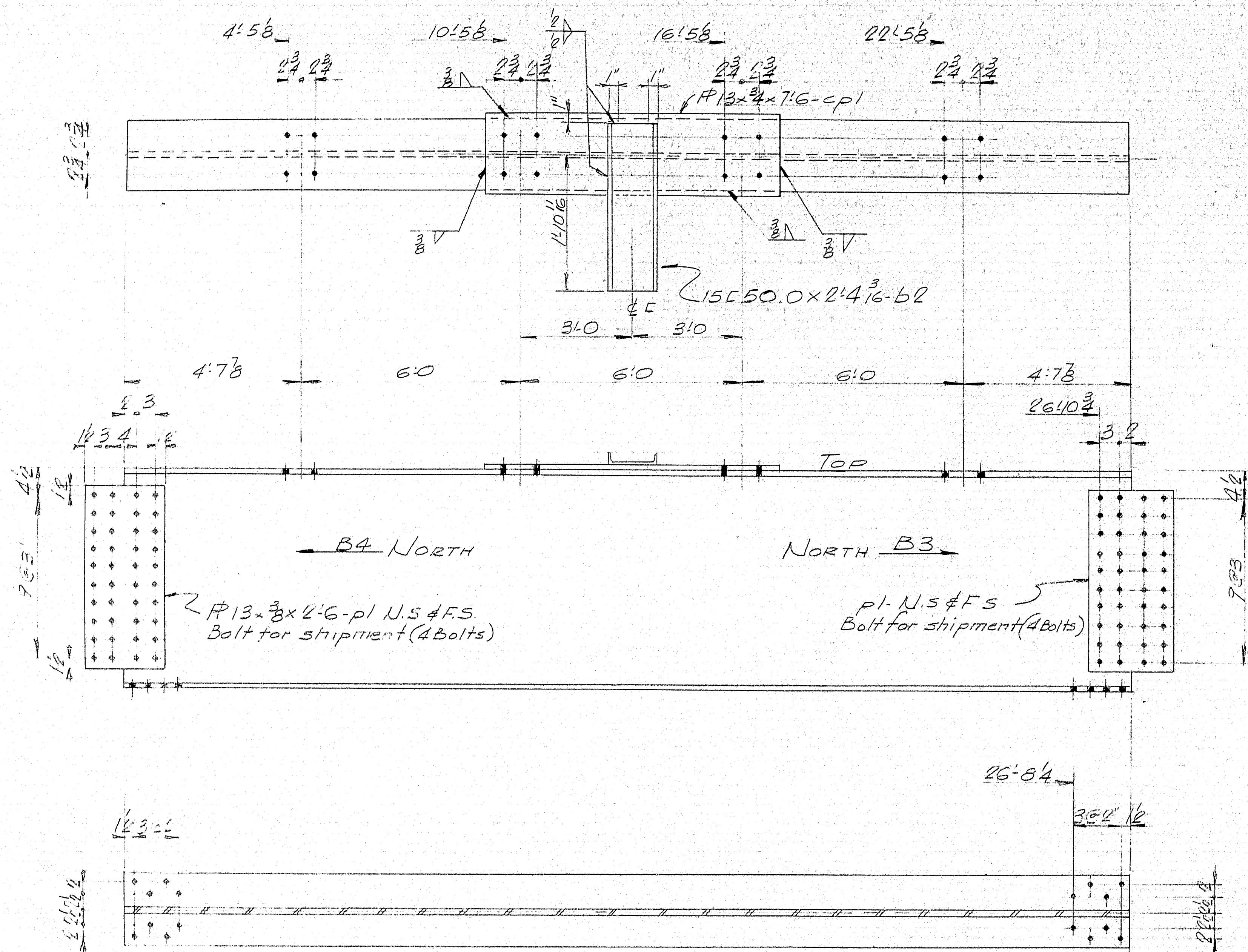
SHIP		BILL OF MATERIAL				DWG. NO. 9-60-543
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
SOUTHBOUND BRIDGE	B2	1	36WF170	27' 3 3/4"		
	8	p.l.	#13 x 3/8	2' 6"		
	2	b1	Bar 7 x 3/8	0' 7"		
	B2A	1	36WF170	27' 3 3/4"		
SOUTHBOUND BRIDGE	FIELD	160	3/8" H.S. BOLTS	0' 3"		36# per 100
	Do	320	3/8" HARD WASHERS			
NORTHBOUND BRIDGE	B2	1	36WF170	27' 3 3/4"		
	8	p.l.	#13 x 3/8	2' 6"		
	2	b1	Bar 7 x 3/8	0' 7"		
	B2A	1	36WF170	27' 3 3/4"		
NORTHBOUND BRIDGE	FIELD	160	3/8" H.S. BOLTS	0' 3"		36# per 100
	Do	320	3/8" HARD WASHERS			
ITEM 702-103						

SHOP CONNECTIONS: Welded.
 FIELD CONNECTIONS: 3/8" H.S. Bolts
 HOLES: 1/2"
 PAINT: Per State of Maine Specs.
 SEE GENERAL NOTES 54-515

DETAILS - FLOOR SYSTEM	
Bancroft & Martin Rolling Mills Company South Portland 7, Maine	
INTERSTATE #95-OVER MESSALONSKEE STREAM WATERVILLE, MAINE	
CUSTOMER	CLANCHETTE BROS.
DESIGNER	THE CLARKSON ENGINEERING CO.
ORDER NO.	VERBAL
DWG. NO.	9-60-543

DRAWN	7-16-59 JIP
REVISION	
REVISION	
REVISION	





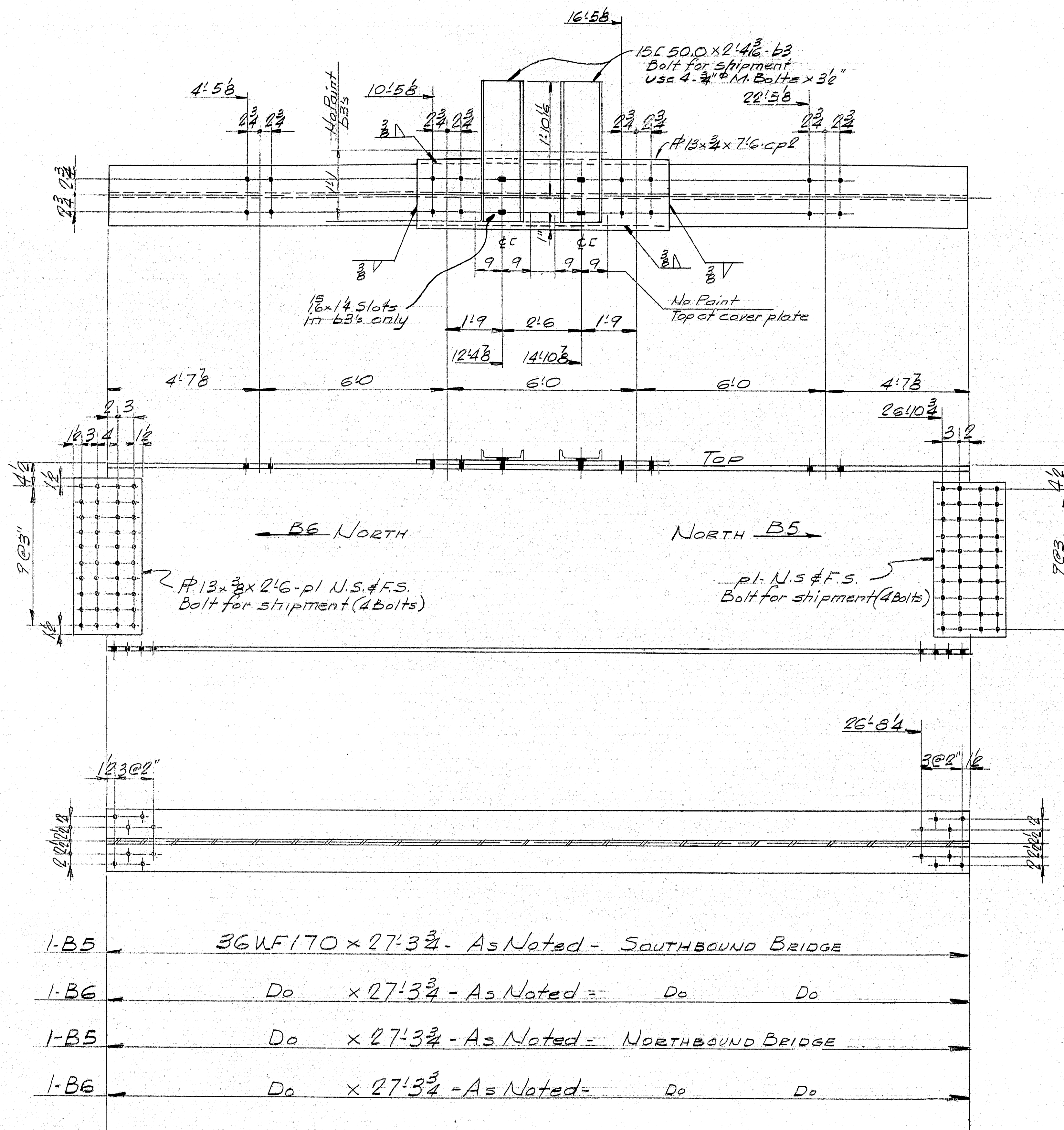
1-B3	3CWF170 x 27'3 3/4" - As Noted - SOUTHBOUND BRIDGE
1-B4	Do x 27'3 3/4" - As Noted - Do Do
1-B3	Do x 27'3 3/4" - As Noted - NORTHBOUND BRIDGE
1-B4	Do x 27'3 3/4" - As Noted - Do Do

SHIP		BILL OF MATERIAL				DWG. NO. 9-60-544
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
SOUTHBOUND BRIDGE	B3	1	3CWF170	27'3 3/4"		
	B4	1	Do	27'3 3/4"		
	3	p1	1/2" 13 x 3/8	2	5	
	2	cp1	1/2" 13 x 3/4	7	5	
	2	b2	15'50.0	2	1.3	
FIELD	160		3' 4 1/2" BOLTS			
Do	320		3' 11" BOLTS			
NORTHBOUND BRIDGE	B3	1	3CWF170	27'3 3/4"		
	B4	1	Do	27'3 3/4"		
	3	p1	1/2" 13 x 3/8	2	5	
	2	cp1	1/2" 13 x 3/4	7	5	
	2	b2	15'50.0	2	1.3	
FIELD	160		3' 4 1/2" BOLTS			
Do	320		3' 11" BOLTS			

SHOP CONNECTIONS: As Noted
 FIELD CONNECTIONS: 1/2" U.S. Bolts
 HOLES: 1/8" & 1/4"
 PAINT: Per State of Maine Specs.
 See GENERAL NOTES ON SH. 515

DETAILS - FLOOR SYSTEM	
Bancroft & Martin Rolling Mills Company South Portland, Maine	
INTERSTATE #95 OVER MESSALONSKEE STREAM WATERVILLE MAINE	
CUSTOMER CLANCHETTE BROS. DESIGNER THE CLARKSON ENGINE CO.	
ORDER NO. VERBAL	DWG. NO. 9-60-544

DRAWN	7-16-59 J.P.F.
REVISION	
REVISION	
REVISION	

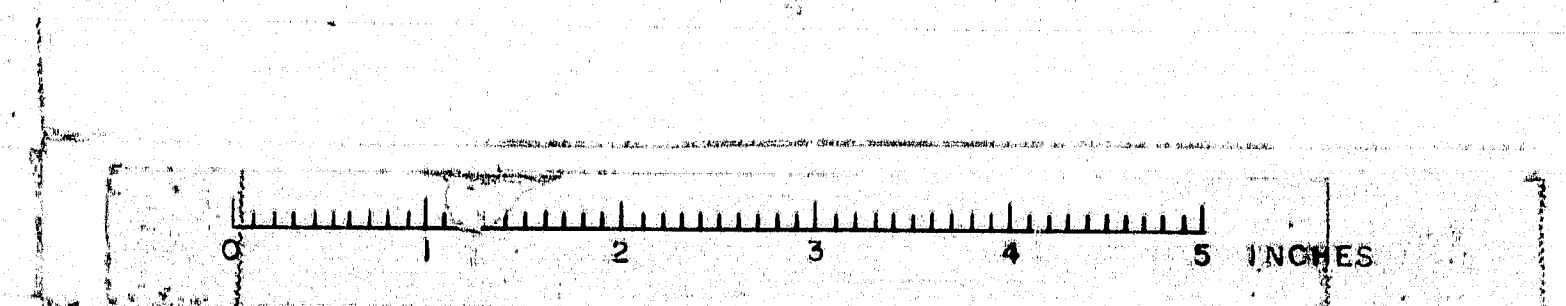


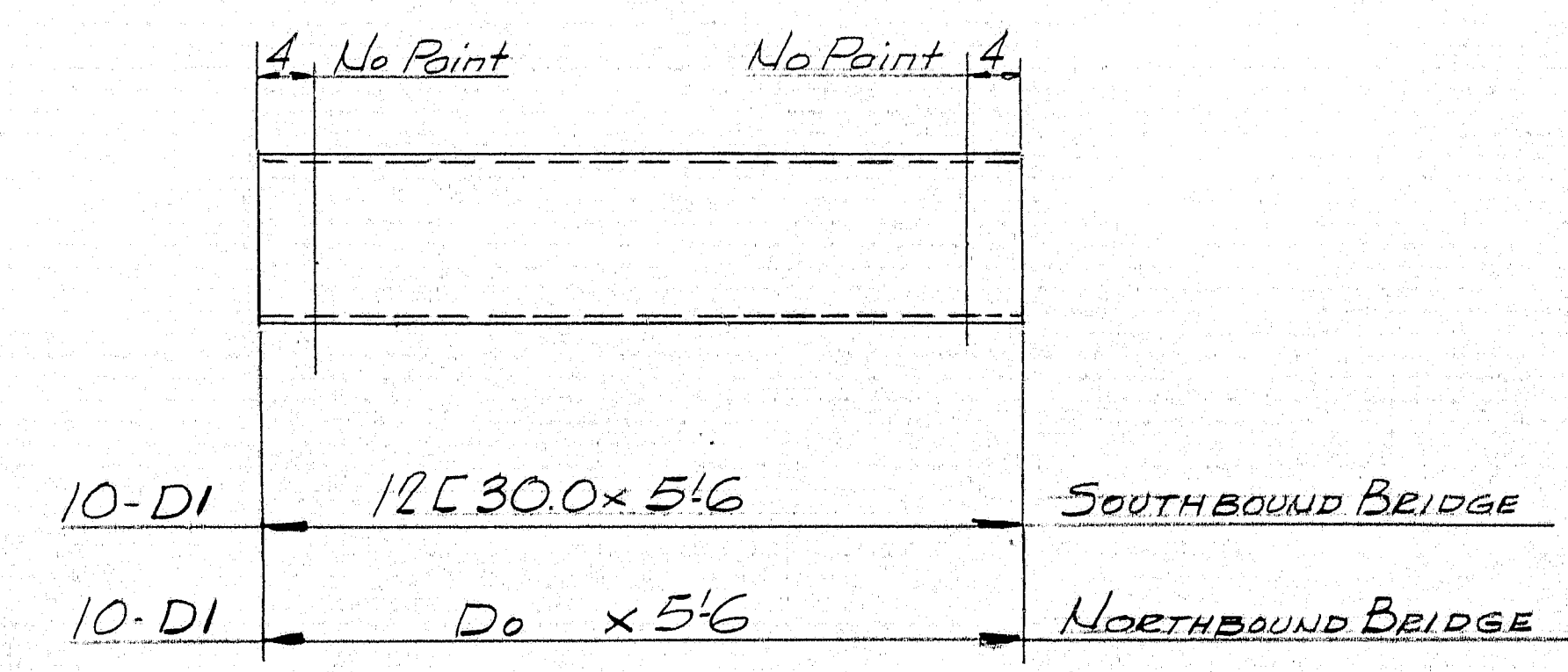
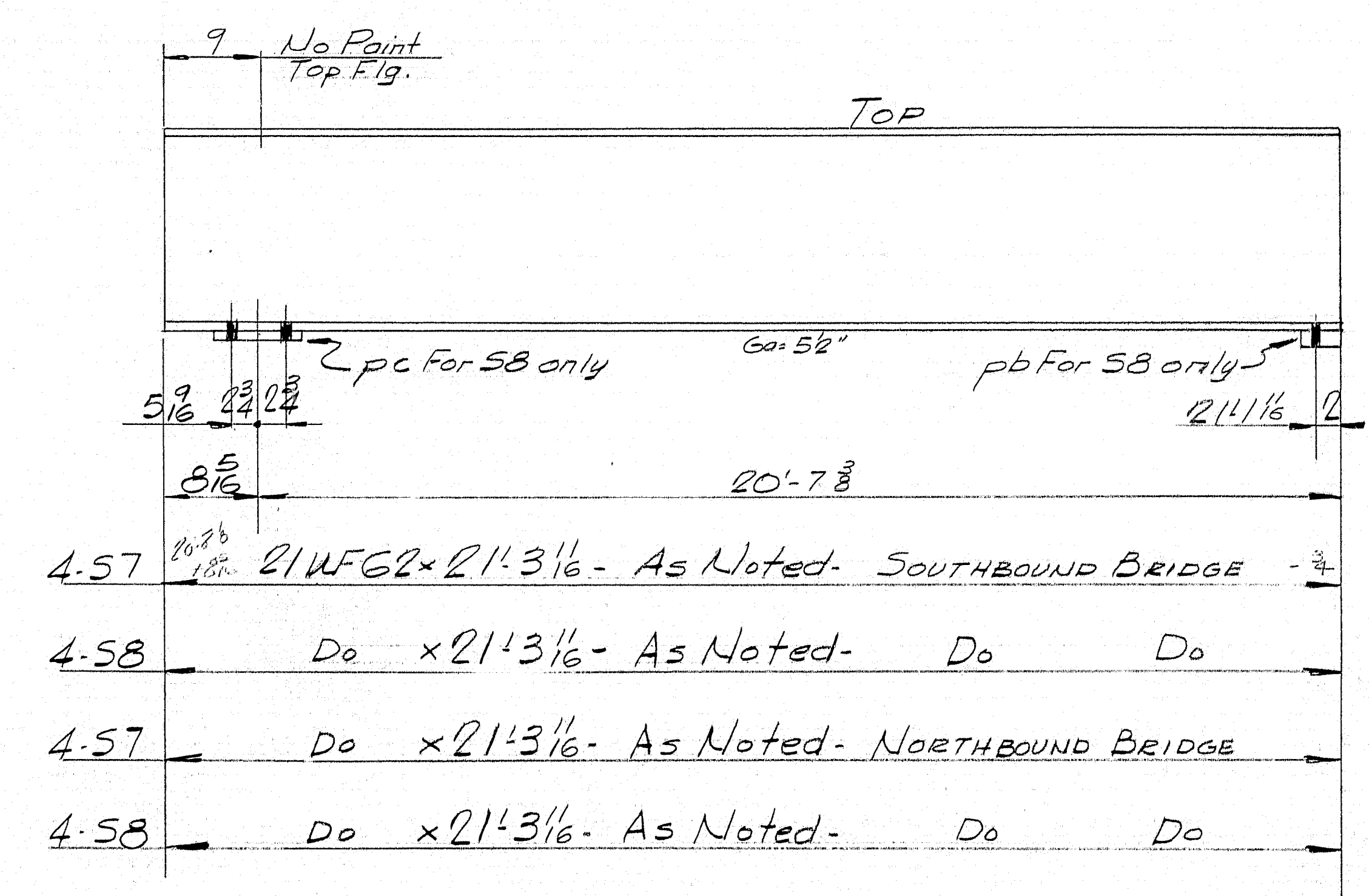
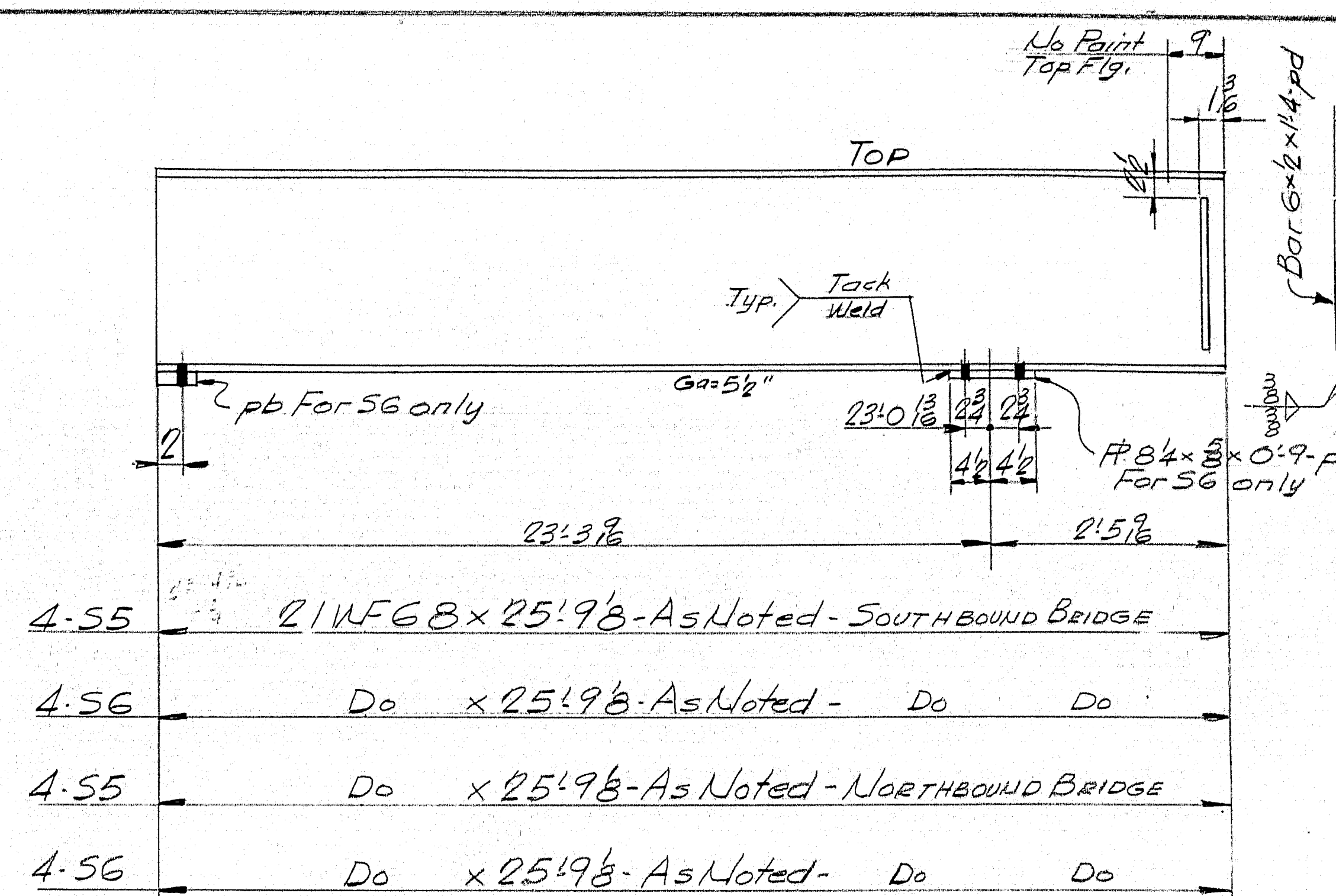
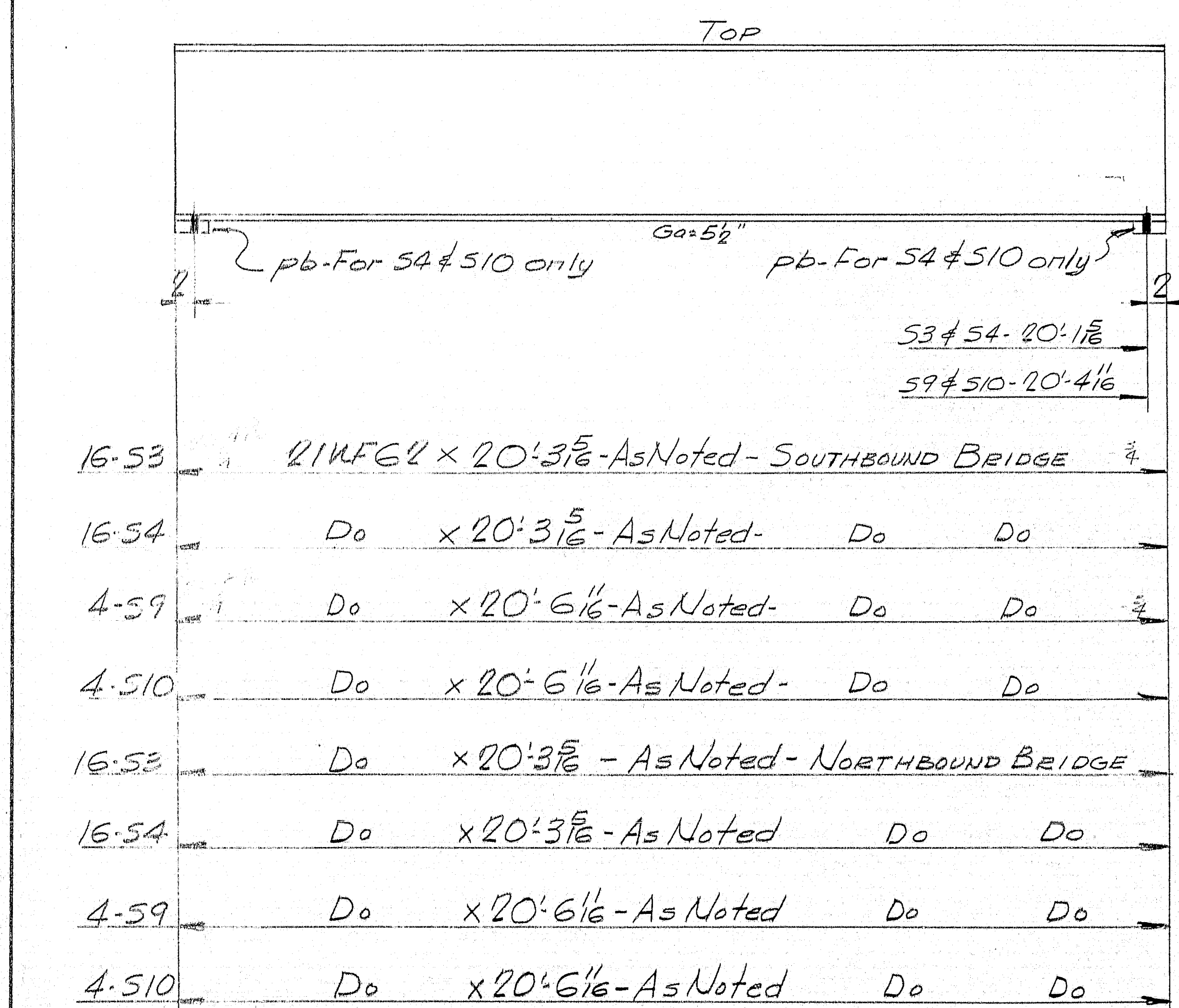
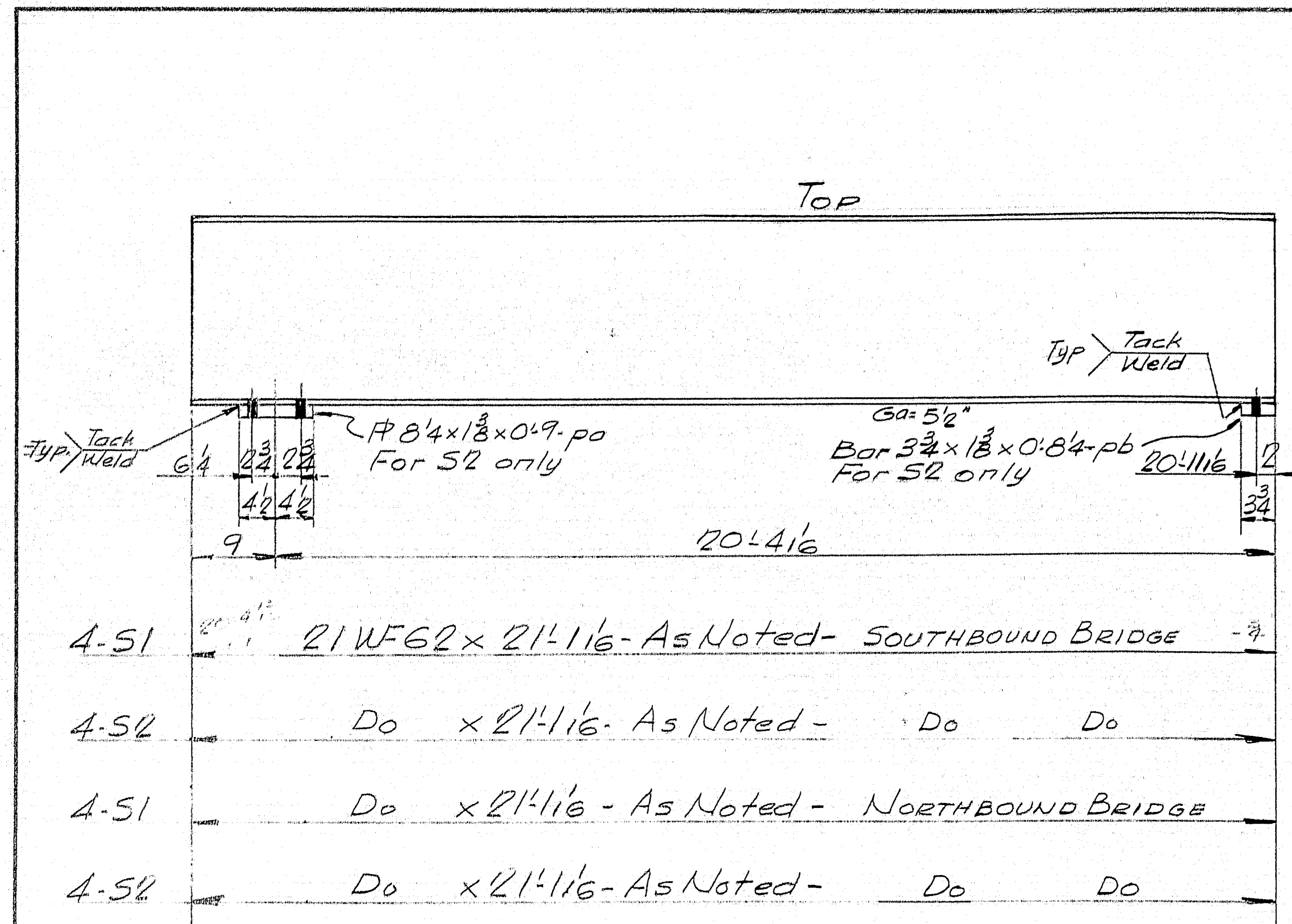
SHIP		BILL OF MATERIAL				DWG. NO. 9-60-545
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
SOUTHBOUND BRIDGE	B5	1	36WF170	27'3 1/4"		
	B6	1	Do	27'3 1/4"		
	8	pl	#13 x 3/4"	2'6"		
	2	cp2	#13 x 3/4"	7'6"		
	4	b3	15L 50.0	2'4 1/2"		
	8	shop	3/4" M. BOLTS	0'3 1/2"		
	FIELD	160	3/4" H.S. BOLTS	0'3		36# per 100
	Do	320	3/4" H.S. BOLTS			
NORTHBOUND BRIDGE	B5	1	36WF170	27'3 1/4"		
	B6	1	Do	27'3 1/4"		
	8	pl	#13 x 3/4"	2'6"		
	2	cp2	#13 x 3/4"	7'6"		
	4	b3	15L 50.0	2'4 1/2"		
	8	shop	3/4" M. BOLTS	0'3 1/2"		
	FIELD	160	3/4" H.S. BOLTS	0'3		36# per 100
	Do	320	3/4" H.S. BOLTS			
ITEM 702.103						

SHOP CONNECTIONS: Welded - Bolted
 FIELD CONNECTIONS: 3/4" H.S. Bolts
 HOLES: 1 1/2" Unless Noted
 PAINT: Per State of Maine Specs.
 See GENERAL NOTES 5H, 5I5

DETAILS - FLOOR SYSTEM	
Bancroft & Martin Rollings Mills Company South Portland, Maine	
INTERSTATE #95-OVER MESSALONSKEE STREAM WATERVILLE MAINE	
CUSTOMER: CLANCHETTE BRIDGE DESIGNER: THE CLARKSON ENGINEERING CO.	
ORDER NO. VERBAL	DWG. NO. 9-60-545

DRAWN	7-16-59 J.P.P.
REVISION	
REVISION	
REVISION	



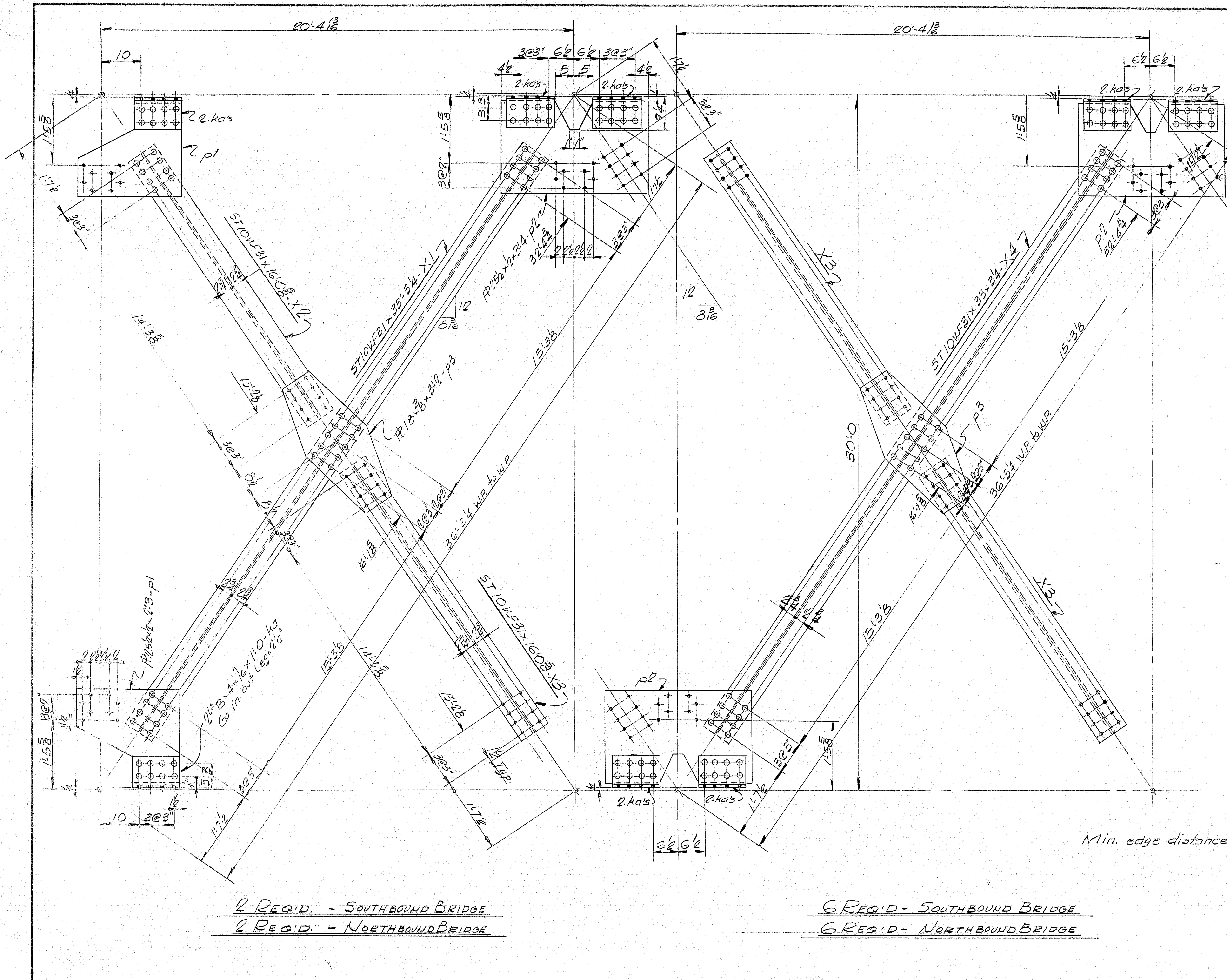


SHIP		BILL OF MATERIAL				DWG. NO. 7-60-546	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS	
51	4		21WFG2	21' 1 1/2"			
52	4		Do	21' 1 1/2"			
53	16		Do	20' 3 3/8"			
54	16		Do	20' 3 3/8"			
55	4		21WFG2	25' 9 3/8"			
56	4		Do	25' 9 3/8"			
57	4		21WFG2	21' 3 1/2"			
58	4		Do	21' 3 1/2"			
59	4		Do	20' 6 1/2"			
510	4		Do	20' 6 1/2"			
D1	10		12L300	5' 6"			
4	pa		#8 4x1/2	0' 9"			
52	pb		Bar 3/4 x 1/2	0' 8 1/2"			
8	pc		#8 4x1/2	0' 9"			
16	pd		Bar 6x1/2	1' 4"			
FIELD	152		3/4" S.BOLTS	0' 3 1/4"		36" per 100	
Do	152		3/4" S.BOLTS	0' 4 1/4"		36" per 100	
Do	608		3/4" HARDWARE				
51	4		21WFG2	21' 1 1/2"			
52	4		Do	21' 1 1/2"			
53	16		Do	20' 3 3/8"			
54	16		Do	20' 3 3/8"			
55	4		21WFG2	25' 9 3/8"			
56	4		Do	25' 9 3/8"			
57	4		21WFG2	21' 3 1/2"			
58	4		Do	21' 3 1/2"			
59	4		Do	20' 6 1/2"			
510	4		Do	20' 6 1/2"			
D1	10		12L300	5' 6"			
4	pa		#8 4x1/2	0' 9"			
52	pb		Bar 3/4 x 1/2	0' 8 1/2"			
8	pc		#8 4x1/2	0' 9"			
16	pd		Bar 6x1/2	1' 4"			
FIELD	152		3/4" S.BOLTS	0' 3 1/4"		36" per 100	
Do	152		3/4" S.BOLTS	0' 4 1/4"		36" per 100	
Do	608		3/4" HARDWARE				
							ITEM 703-103

SHOP CONNECTIONS: Welded
 FIELD CONNECTIONS: 3/4" H.S. Bolts
 HOLES: 1 1/2"
 PAINT: For State of Maine Specs.
 SEE GENERAL NOTES 5th. 515

DETAILS - FLOOR SYSTEM	
Bancroft & Martin Rolling Mills Company	
South Portland 7, Maine	
INTERSTATE #95 OVER	
MESSALONSKEE STREAM	
WATERVILLE, MAINE	
CUSTOMER: CLANCHETTE DEOS.	
DESIGNER: THE CLARKSON ENGINEERING CO.	
ORDER NO. VERBAL	DWG. NO. 7-60-546

DRAWN	7-17-59 J.F.F.
REVISION	7-28-59 J.F.F.
REVISION	
REVISION	



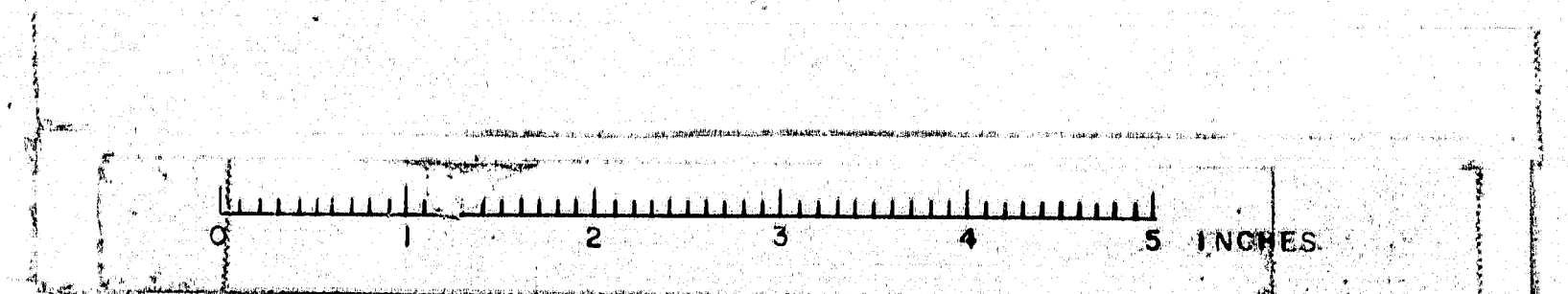
SHIP		BILL OF MATERIAL				DWG. NO. 760-547	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DEFECT	REMARKS
X1	2		ST10WF31	33 3/4			
X2	2		Do	16 0/8			
X3	14		Do	16 0/8			
X4	6		Do	33 3/4			
	4	p1	FR25x1/2	2 3			68.
	14	p2	Do	3 4			95.
	8	p3	FR18x3/8	3 2			116.
	64	KA	2x4x16	1 0			
	960	SHOP	3" RIVETHEADS				18# per 100
SOUTHBOUND BRIDGE							
FIELD	384		3" H.S. BOLTS	0 2 1/2			36# per 100
Do	112		Do	0 2 3/4			36# per 100
Do	144		Do	0 3 1/4			36# per 100
Do	1280		3" H.S. BOLTS				36# per 100
NORTHBOUND BRIDGE							
X1	2		ST10WF31	33 3/4			
X2	2		Do	16 0/8			
X3	14		Do	16 0/8			
X4	6		Do	33 3/4			
	4	p1	FR25x1/2	2 3			68.
	14	p2	Do	3 4			95.
	8	p3	FR18x3/8	3 2			116.
	64	KA	2x4x16	1 0			
	960		3" RIVETHEADS				18# per 100
FIELD	384		3" H.S. BOLTS	0 2 1/2			36# per 100
Do	112		Do	0 2 3/4			36# per 100
Do	144		Do	0 3 1/4			36# per 100
Do	1280		3" H.S. BOLTS				36# per 100
ITEM 702.103							

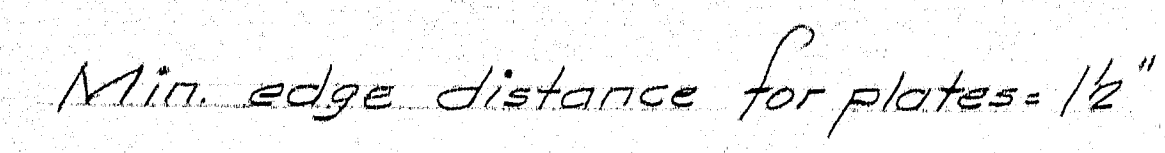
SHOP CONNECTIONS: 3" Rivers
 FIELD CONNECTIONS: 3" H.S. Bolts
 HOLES: 1/8"
 PAINT: Per State of Maine Specs.
 See GENERAL NOTES 57.515

LATERAL BRACING
 Branciforti & Martin Rollings Mills Company
 South Portland 7, Maine
 INTERSTATE #95 - OVER
 MESSALONSKE STREAM
 WATERVILLE, MAINE
 CUSTOMER: CLANCHETTE BEES
 DESIGNER: THE CLANCHETTE CO.
 ORDER NO. VERBAL DWG. NO. 760-547

DRAWN	7-20-59 J.P.F.
REVISION	
REVISION	
REVISION	

77-189





SHIP		BILL OF MATERIAL			DWG. NO. 7-60-548		
MARK	NO.	MARK	SHAPE	LENGTH	WT.	NOT. DEDUCT	REMARKS
X3	2		ST 10WF31	16 0 5			
X5	2		Do	33 3 4			
X6	2		Do	16 0 5			
	2	p2	#252x2	3 4		14.	
	2	p3	#18x3	3 2		29.	
	4	p4	#27x2	4 0		170.	
	8	ka	48x4x16	1 0			
	16	kb	Do	0 9			
	296	SHOP	3" H.S. 8 RIVET HEADS				18" per 100
FIELD	112		3" H.S. BOLTS	0 2 1/2			36" per 100
Do	16		Do	0 2 3/4			36" per 100
Do	16		Do	0 3 1/4			36" per 100
Do	24		Do	0 3 1/2			36" per 100
Do	356		3" H.S. 8 HARD WASHERS		—		
X3	2		ST 10WF31	16 0 5			
X5	2		Do	33 3 4			
X6	2		Do	16 0 5			
	2	p2	#252x2	3 4		14.	
	2	p3	#18x3	3 2		29.	
	4	p4	#27x2	4 0		170.	
	8	ka	48x4x16	1 0			
	16	kb	Do	0 9			
	296	SHOP	3" H.S. 8 RIVET HEADS				18" per 100
FIELD	112		3" H.S. BOLTS	0 2 1/2			36" per 100
Do	16		Do	0 2 3/4			36" per 100
Do	16		Do	0 3 1/4			36" per 100
Do	24		Do	0 3 1/2			36" per 100
Do	356		3" H.S. 8 HARD WASHERS		—		

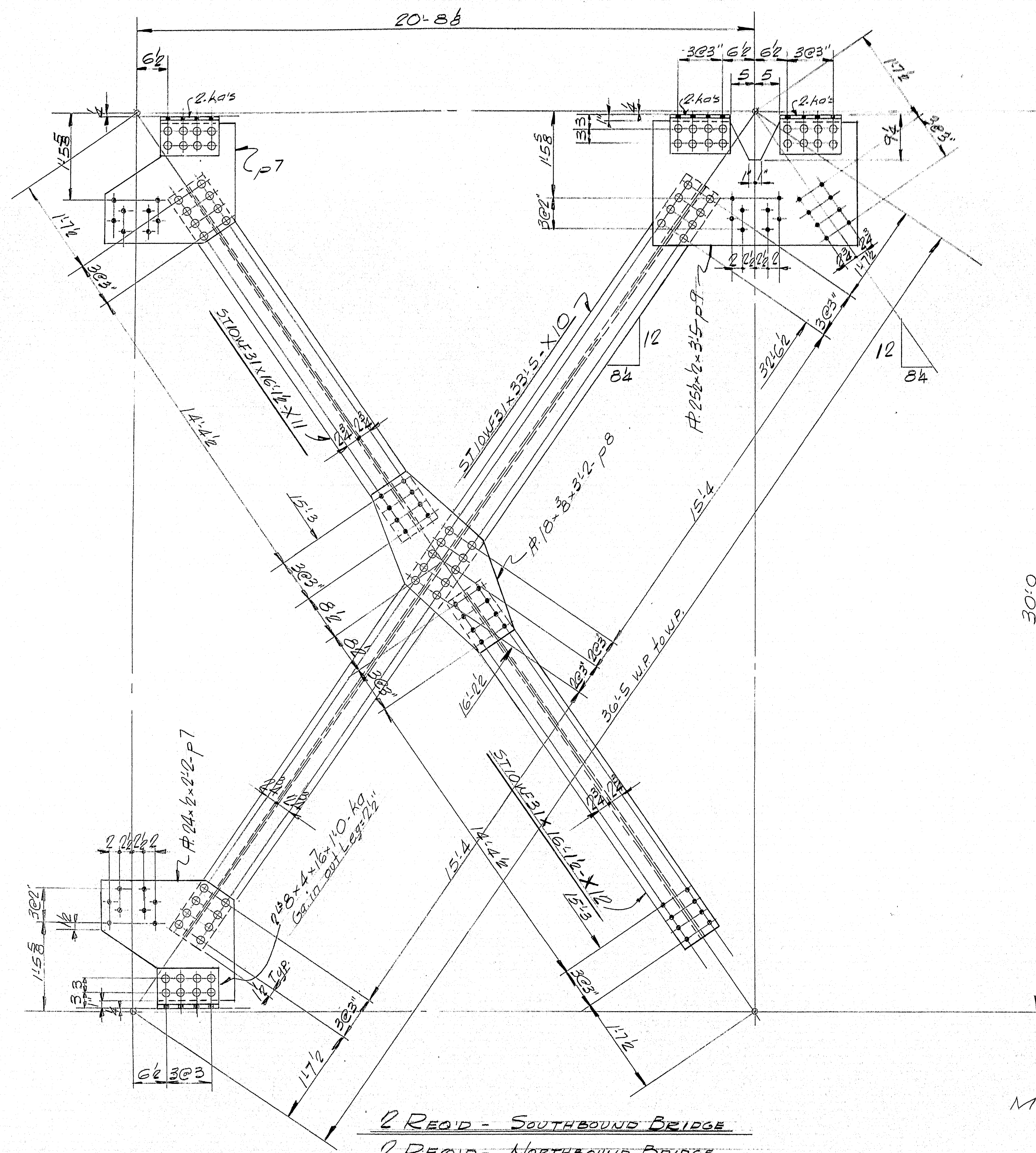
ITEM 104-103

SHOP CONNECTIONS: 3^{1/4"} Rivets
FIELD CONNECTIONS: 3^{1/4"} H. S. Bolts.
HOLES: 1 1/2"
PAINT: Per State of Maine Specs.
See "GENERAL NOTES" 54.5/5

APR 9-22-59	LATEAL BRACING	
	Bancroft & Martin Rollings Mills Company	
	South Portland ? Maine	
	INTERSTATE #95 - OVER MESSALONSKE STREAM WATERTVILLE, MAINE	
	CUSTOMER	CLANCHETTE BROS.
DESIGNER	THE CLARKSON ENG'G CO.	
ORDER NO.	VERBAL	DWG. NO. 9-60-548

APR 9-22-59

DRAWN	7-20-59 J.P.F.	CUSTOMER	CLANCHETTE BROS.
REVISION		DESIGNER	THE CLARKSON ENG. CO.
REVISION		ORDER NO.	VERBAL
REVISION		DWG. NO.	7-60-548



2 REQ'D - SOUTHBOUND BRIDGE
2 REQ'D - NORTHBOUND BRIDGE

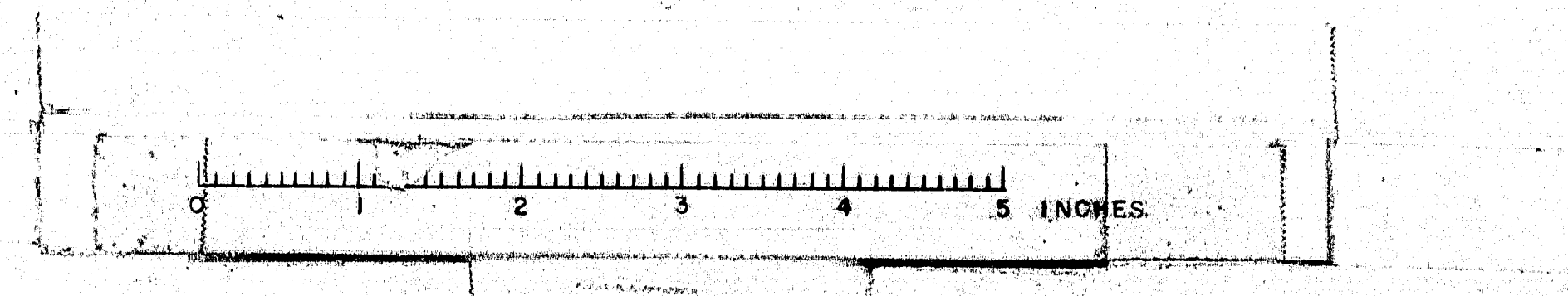
Min. edge distance for plates = 1 1/2"

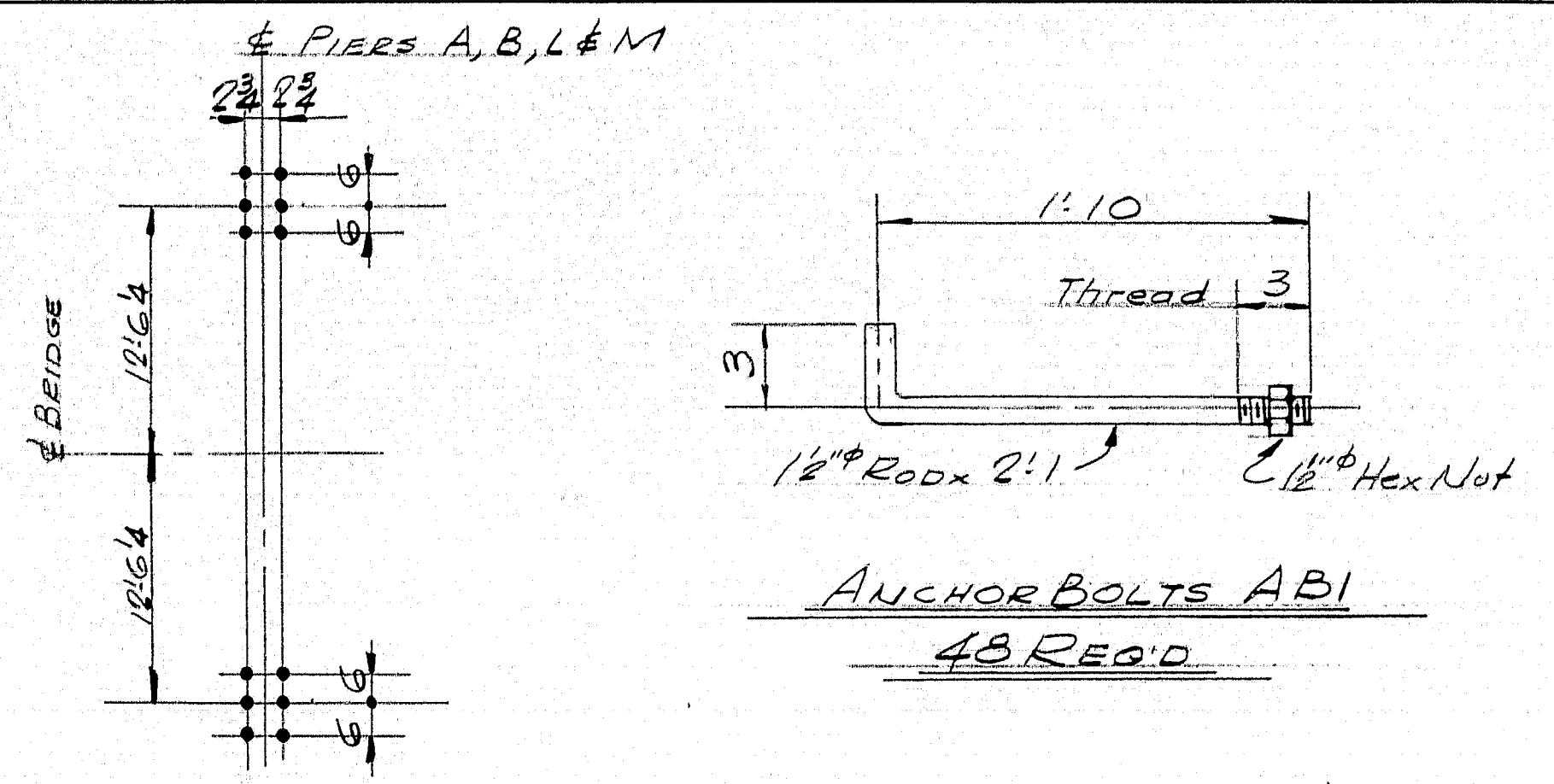
SHIP		BILL OF MATERIAL				DWG. NO. 7-60-550	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DEDUCT	REMARKS
X10	2		ST 10WF31	33	5		
X11	2		Do	16	1 1/2		
X12	2		Do	16	1 1/2		
	4	p7	#25x2	2	2		68
	2	p8	#18x3	3	2		48
	2	p9	#25x2	3	5		14
	16	K0	4x4x1/2	1	0		
	264	SHOP	8" BOLT HEADS				18" per 100
FIELD	96		3" H.S. BOLTS	0	2 1/2		36" per 100
Do	16		Do	0	2 1/2		36" per 100
Do	48		Do	0	3 1/4		36" per 100
Do	320		7" H.S. HARD B. WASHERS				
X10	2		ST 10WF31	33	5		
X11	2		Do	16	1 1/2		
X12	2		Do	16	1 1/2		
	4	p7	#25x2	2	2		68
	2	p8	#18x3	3	2		48
	2	p9	#25x2	3	5		14
	16	K0	4x4x1/2	1	0		
	264	SHOP	8" BOLT HEADS				18" per 100
FIELD	96		3" H.S. BOLTS	0	2 1/2		36" per 100
Do	16		Do	0	2 1/2		36" per 100
Do	48		Do	0	3 1/4		36" per 100
Do	320		7" H.S. HARD B. WASHERS				
ITEM 702-123							

SHOP CONNECTIONS: 7" Rivets
FIELD CONNECTIONS: 3" H.S. Bolts
HOLES: 1 1/2"
PAINT: Per State of Maine Specs.
See "GENERAL NOTES" SH-515

LATERAL BRACING
Ramond & Martin Rolling Mill Company
South Portland, Maine
INTERSTATE #95 OVER
MESSALONSKEE STREAM
WATERVILLE, MAINE
CUSTOMER: CLANCHETTE Bros.
DESIGNER: THE CLARKSON ENG'G CO.
ORDER NO. 7-60-550
DWG. NO. 7-60-550

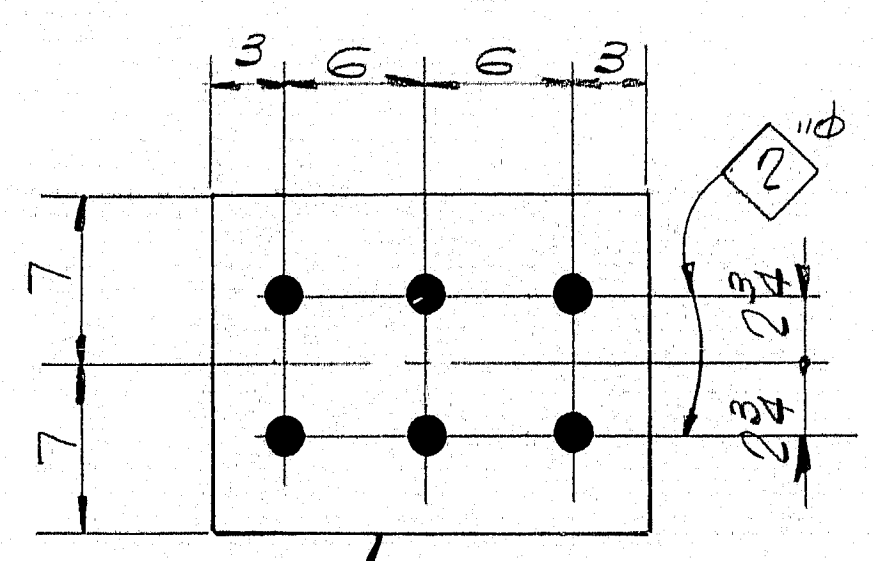
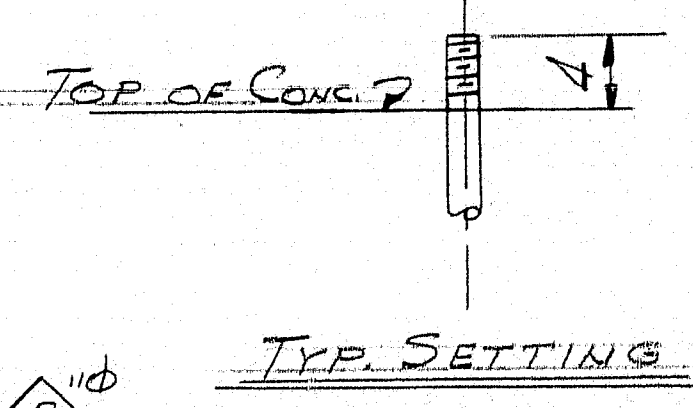
DRAWN	7-21-59 JRF
REVISION	
REVISION	
REVISION	





ANCHOR BOLTS AB1
48 REQ'D

ANCHOR BOLT SETTING



TYP. SETTING

14 x 4 x 1/6 For S1
14 x 8 x 1/6 For S2
14 x 16 x 1/6 For S3

SHIMS

S1 - 8 REQ'D
S2 - 8 REQ'D
S3 - 16 REQ'D

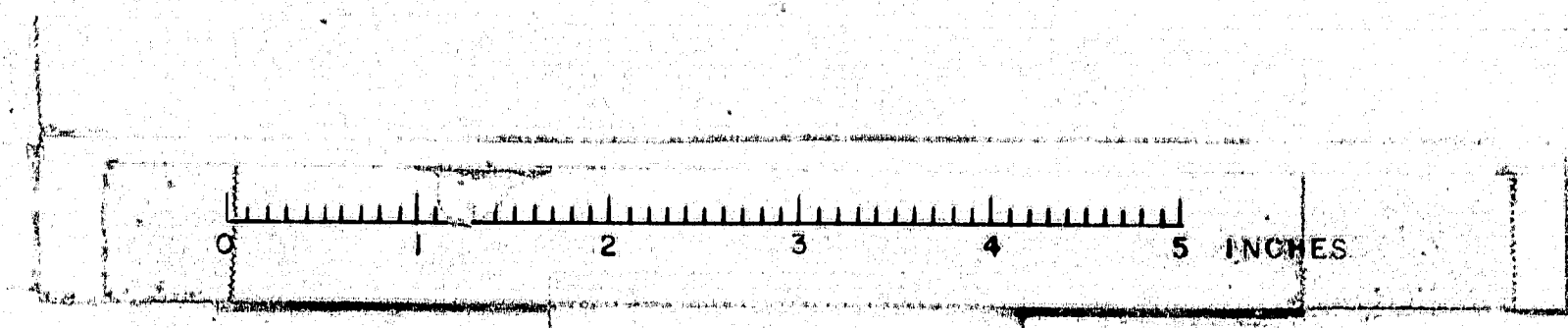
BRACING ANCHORAGE DETAIL & LAYOUT PIER A, B, L & M

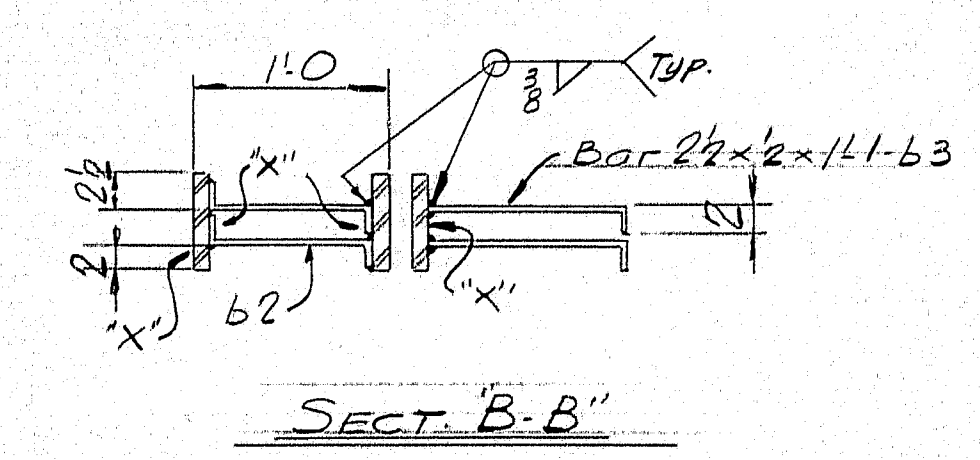
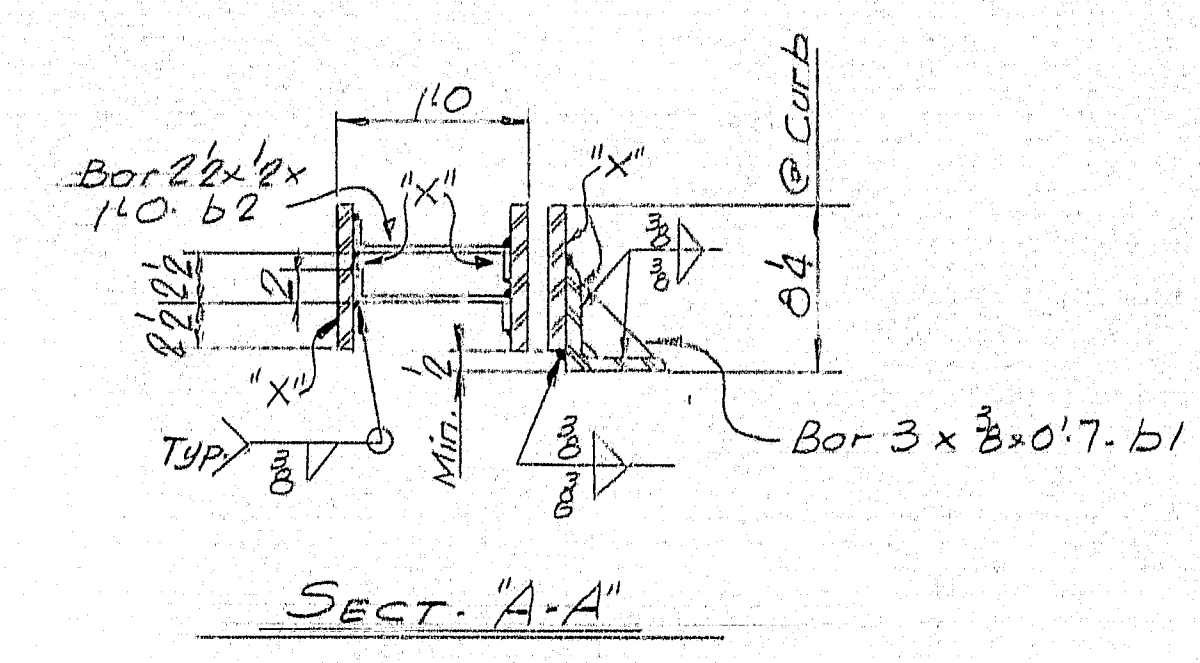
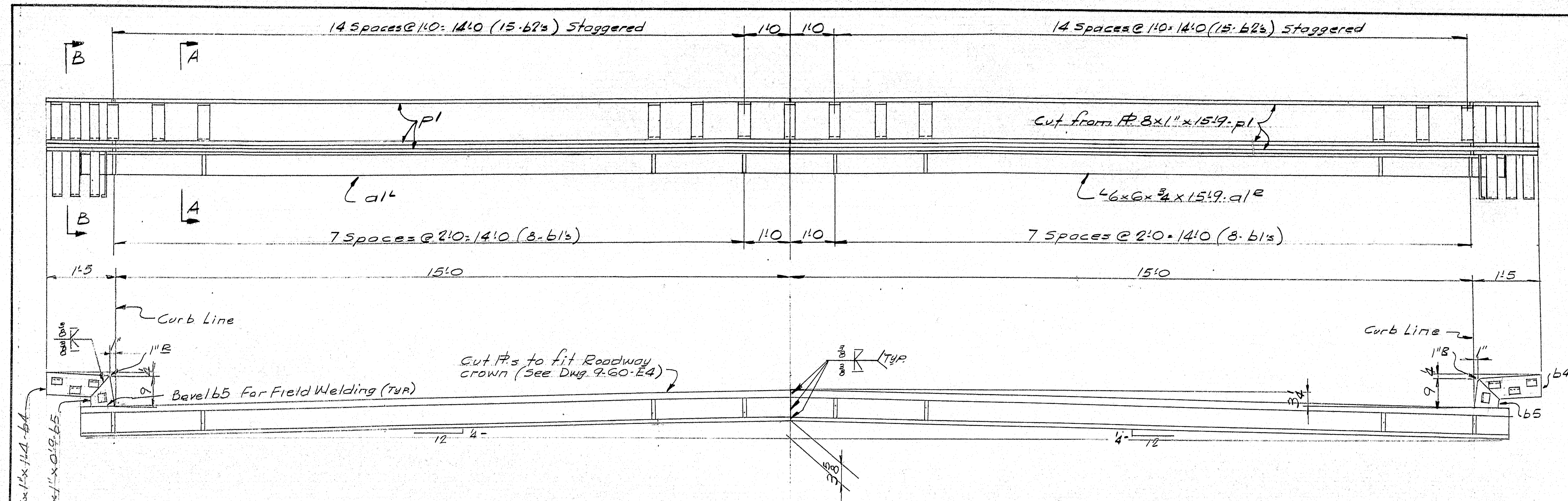
DRAWN JRF
CHECKED
APPROVED 10-7-59
RIVETS
HOLES As Noted
PAINT None

INTERSTATE 95 OVER MESSALONSKEE
STREAM - WATERVILLE, MAINE
CUSTOMER CLANCHETTE BROS.
ARCHITECT OR ENGINEER THE CLARKESON ENGR. CO.
BANCROFT & MARTIN ROLLING MILLS CO.
SOUTH PORTLAND, MAINE
DATE 10-2-59

9-60-553
77-195

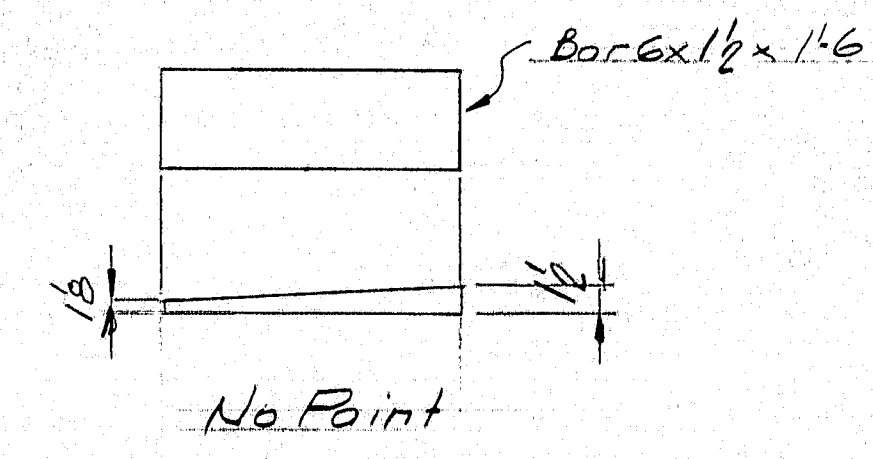
ME 1/16" 1/8" 1/4" 3/8" 1/2" 5/8" 3/4" 1" 1 1/4" 1 1/2" 1 3/4" 2" 2 1/4" 2 1/2" 2 3/4" 3" 3 1/4" 3 1/2" 3 3/4" 4" 4 1/4" 4 1/2" 4 3/4" 5" 5 1/4" 5 1/2" 5 3/4" 6" 6 1/4" 6 1/2" 6 3/4" 7" 7 1/4" 7 1/2" 7 3/4" 8" 8 1/4" 8 1/2" 8 3/4" 9" 9 1/4" 9 1/2" 9 3/4" 10" 10 1/4" 10 1/2" 10 3/4" 11" 11 1/4" 11 1/2" 11 3/4" 12" 12 1/4" 12 1/2" 12 3/4" 13" 13 1/4" 13 1/2" 13 3/4" 14" 14 1/4" 14 1/2" 14 3/4" 15" 15 1/4" 15 1/2" 15 3/4" 16" 16 1/4" 16 1/2" 16 3/4" 17" 17 1/4" 17 1/2" 17 3/4" 18" 18 1/4" 18 1/2" 18 3/4" 19" 19 1/4" 19 1/2" 19 3/4" 20"



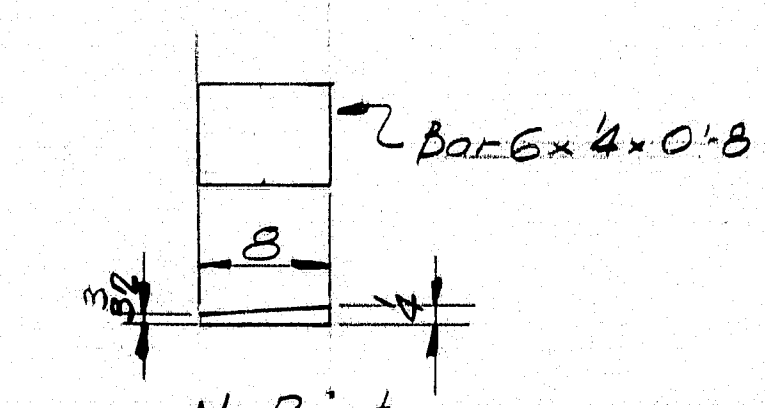


EXPANSION JOINTS - WESTERLY ABUTMENTS
EUT - 2 REQ'D.

Paint Note
No paint on all surfaces marked "x" and on all strap anchors.



SHIMS - 51 - 4 REQ'D
@ Girders.



SHIMS - 52 - 8 REQ'D
@ Stringers.

INCLUDE (SHIMS)

- 4-53 - Bar 6 x 1/2 x 14
- 4-54 - Bar 6 x 1/2 x 14
- 8-55 - Bar 6 x 1/2 x 14
- 8-56 - Bar 6 x 1/2 x 0'8
- 8-57 - Bar 6 x 1/2 x 0'8
- 16-58 - Bar 6 x 1/2 x 0'8

No Fab. & No Paint on these Items.

SHIP		BILL OF MATERIAL				DWG. NO. 9-60-554	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DEDUCT	REMARKS
EUT	2		Assembly	31	6	-	
	12	p1	1/2" x 15'9"	15	9	156.	
	4	a1e	6" x 3/4" x 15'9"	15	9		
	32	b1	Bar 3 x 3/8"	0	7	30.	
	70	b2	Bar 2 1/2 x 1/2"	1	0		
	16	b3	Do	1	1		
	12	b4	Bar 6 x 1/2"	1	4	60.	
	12	b5	Do	0	9	60.	
51	4		Bar 6 x 1/2"	1	6	24.	No Point
52	8		Bar 6 x 1/2"	0	8	24.	do
53	4		Bar 6 x 1/2"	1	6		No Fab. No Point
54	4		Bar 6 x 1/2"	1	6		do do
55	8		Bar 6 x 1/2"	1	6		do do
56	8		Bar 6 x 1/2"	0	8		do do
57	8		Bar 6 x 1/2"	0	8		do do
58	16		Bar 6 x 1/2"	0	8		do do
	380		Lin Ft. 3/8" Fillet Weld				239" Lin. Ft.

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES:
PAINT: Per State of Maine Specs as noted.

EXPANSION JOINTS - WESTERLY ABUTMENTS

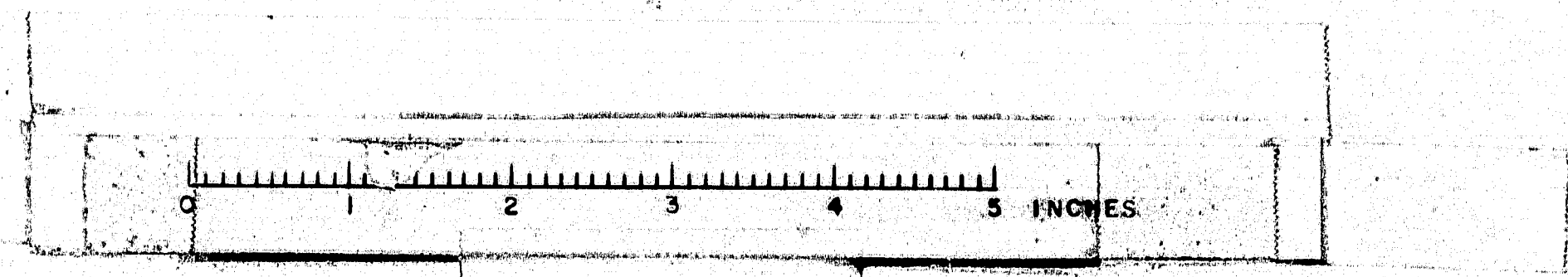
Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

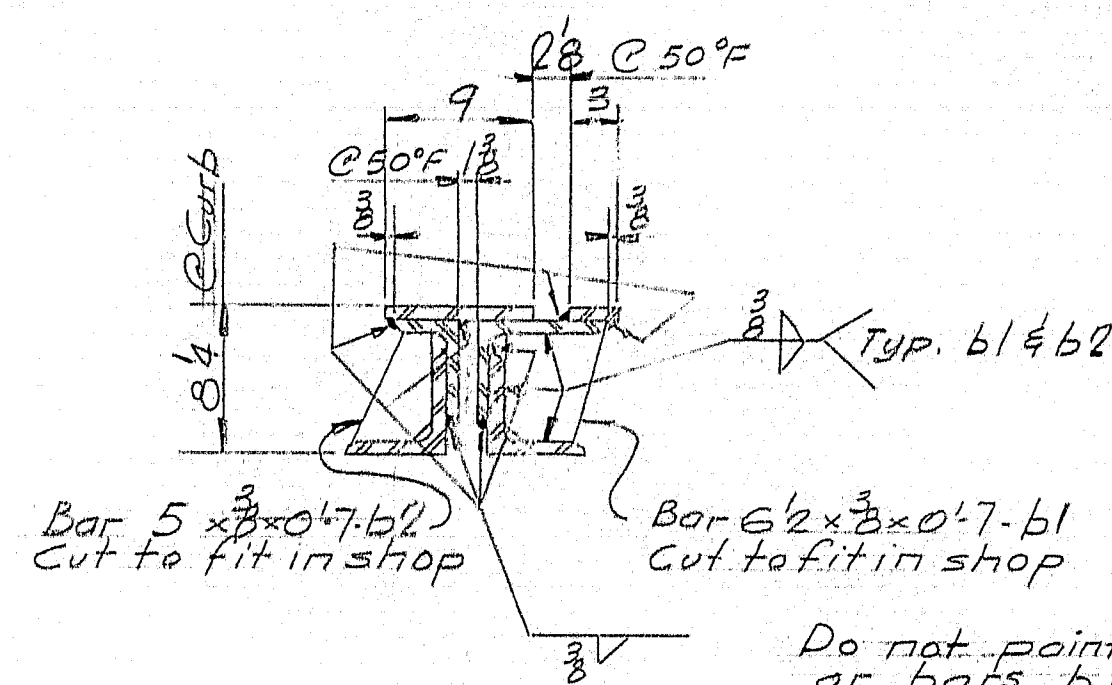
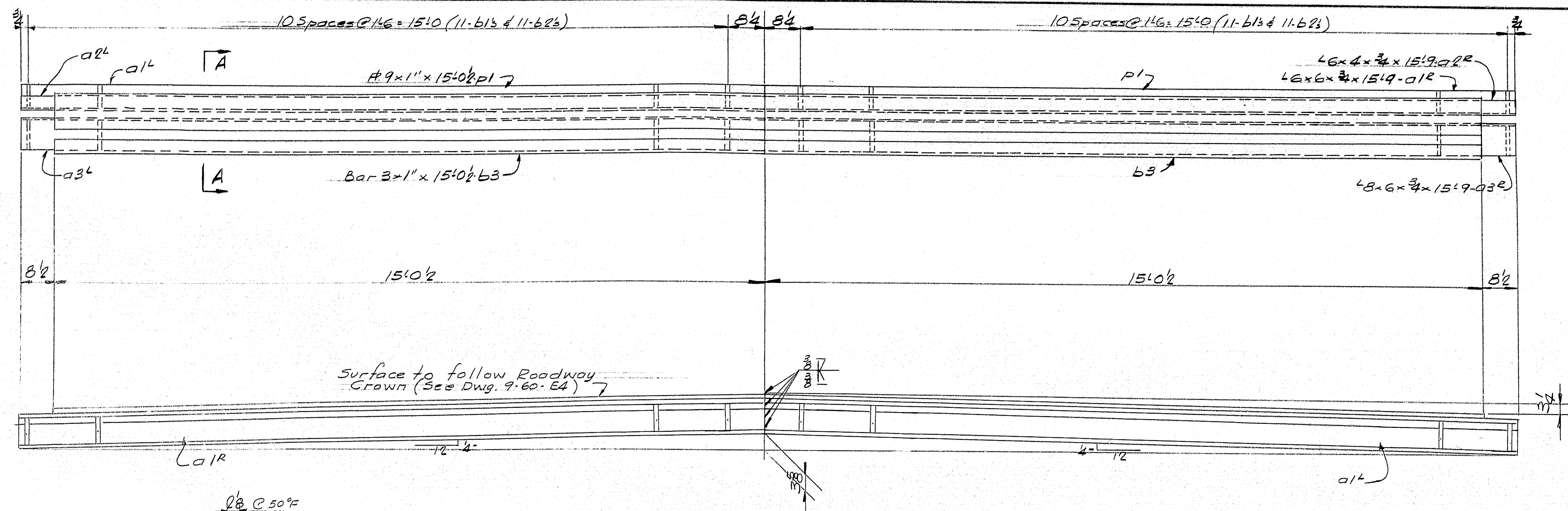
INTERSTATE #95 - OVER
MESEALONSKEE STREET
WATERVILLE, MAINE

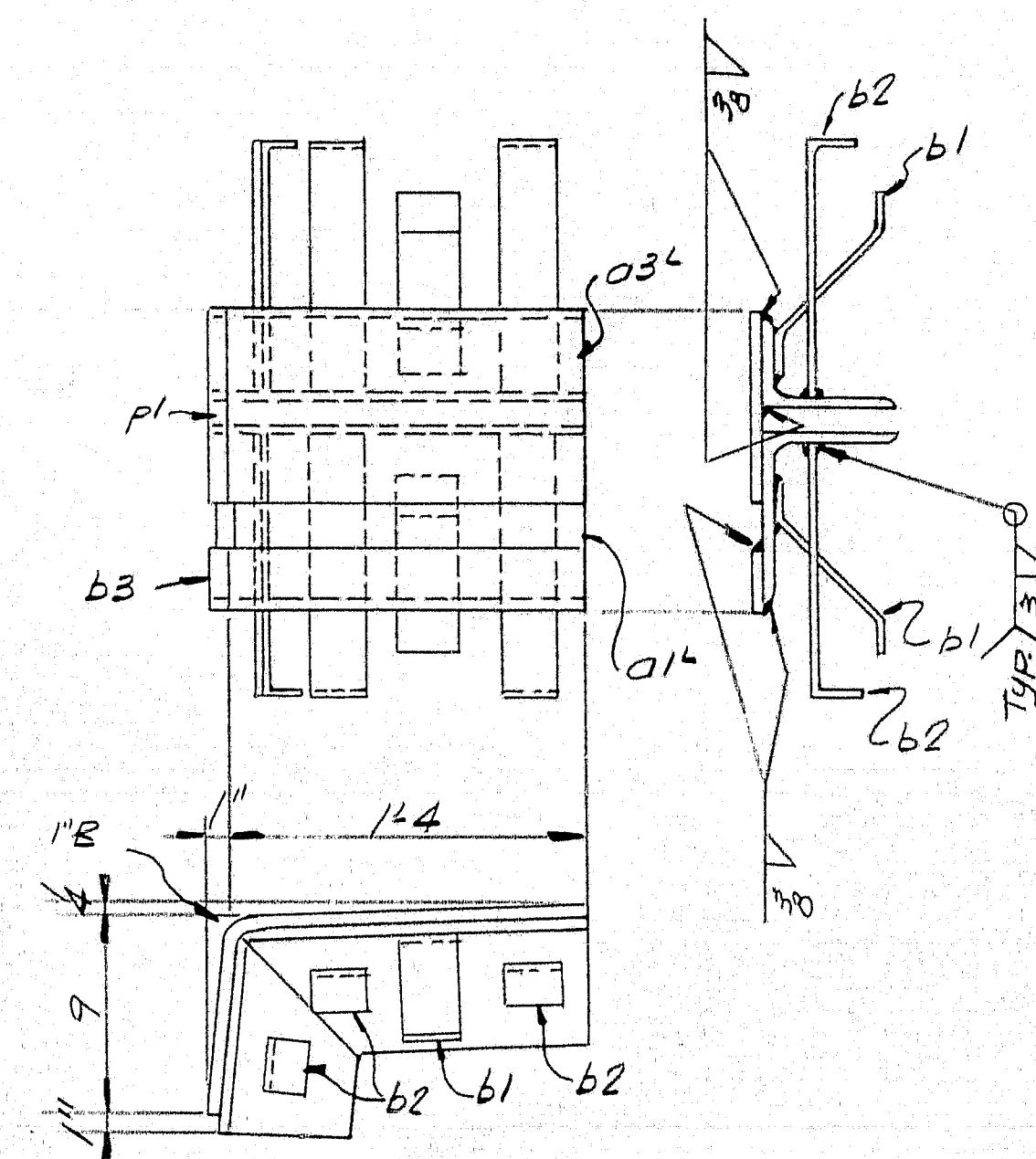
CUSTOMER: CLANCHETTE Bros.
DESIGNER: THE CLARKSON ENGINE CO.

ORDER NO. VERBAL DWG. NO. 9-60-554

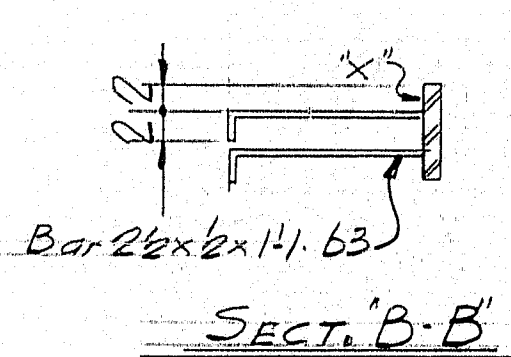
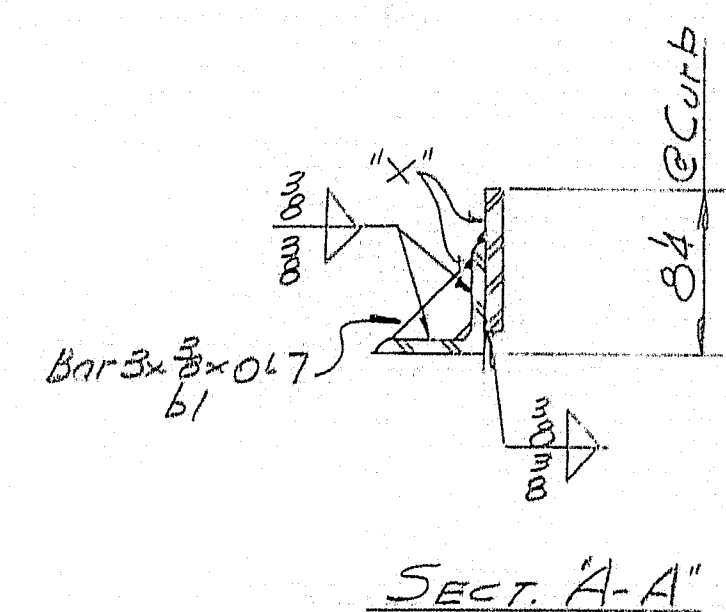
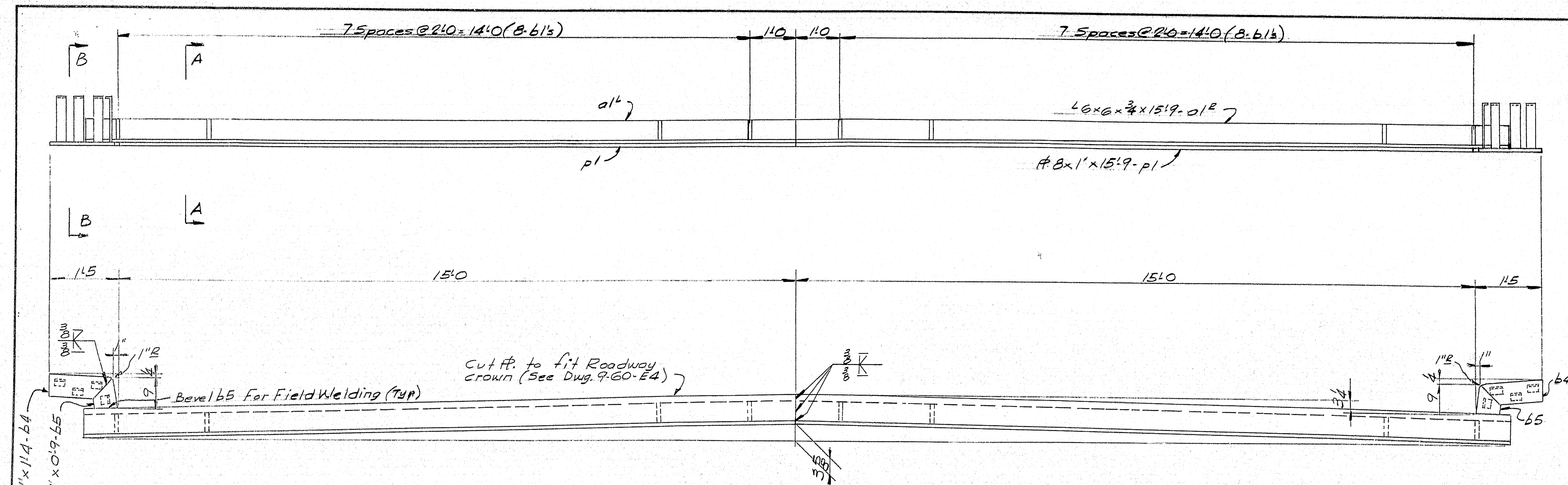
DRAWN	1-15-60 J.P.F.
REVISION	
REVISION	
REVISION	





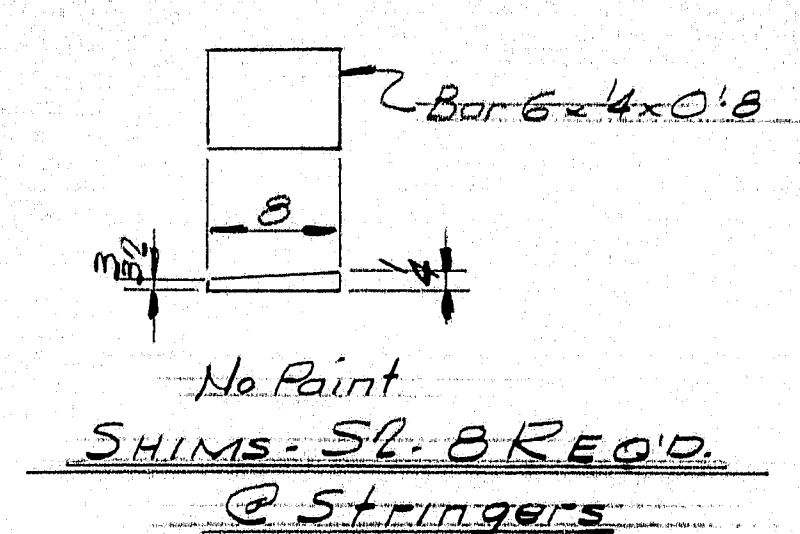
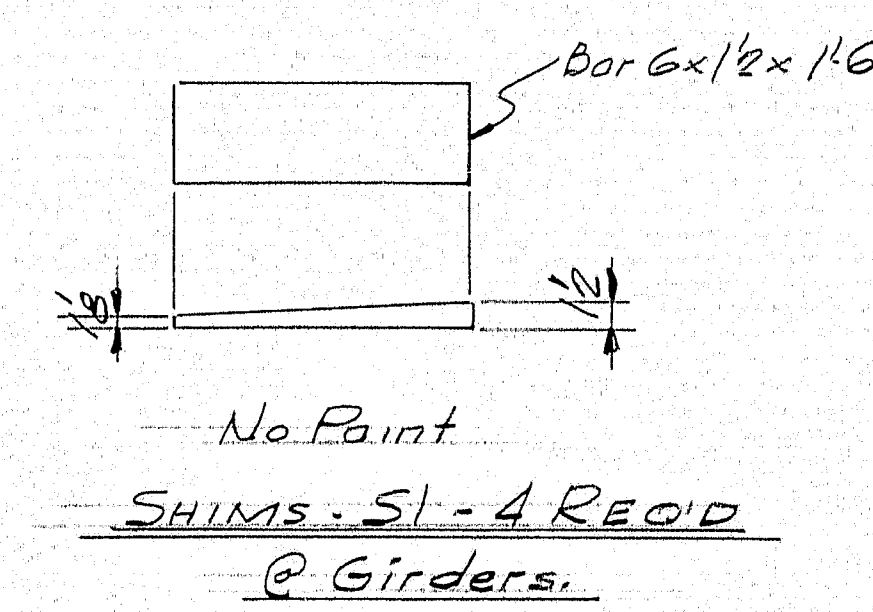


ORDER NO. <u>VERBAL</u>	DWG. NO. <u>9-60-557</u>
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Paint Note
No paint on all surfaces marked "x" and on all strap anchors.

EXPANSION JOINTS: PIERS C & N
EJ3 - 2 REQ'D.



INCLUDE (SHIMS)
4-S3 - Bar 6x4 x 1'6
4-S4 - Bar 6x8 x 1'6
8-S5 - Bar 6x16 x 1'6
8-S6 - Bar 6x4 x 0'8
8-S7 - Bar 6x8 x 0'8
16-S8 - Bar 6x16 x 0'8
@ Girders
@ Stringers
No Fab & No Paint on these Items.

SHIP		BILL OF MATERIAL				DWG. NO. 9-60-558	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	W.F. DEDUCT	REMARKS
EJ3	2		ASSEMBLY	31' 6"	-		
	4	018	6x6x3/4	15' 9"			
	4	p1	#8x1"	15' 9"		52	
	32	b1	Bar 3x3/8	0' 7"		30	
	16	b3	Bar 2x1/2	1' 1"			
	4	b4	Bar 6x1"	1' 4"		20	
	4	b5	do	0' 9"		20	
S1	4		Bar 6x1/2	1' 6"		24	No Point
S2	8		Bar 6x4	0' 8"		8	do
S3	4		Bar 6x4	1' 6"			No Fab - No Point
S4	4		Bar 6x3	1' 6"			do do
S5	8		Bar 6x16	1' 6"			do do
S6	8		Bar 6x4	0' 8"			do do
S7	8		Bar 6x8	0' 8"			do do
S8	16		Bar 6x16	0' 8"			do do
			180 Lin. Ft. 3/8 Fillet Weld				239" Lin. Ft.

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES:
PAINT: Per State of Maine Specs. & as noted.

EXPANSION JOINTS: PIERS C & N
Bancroft & Martin Rolling Mills Company
South Portland, Maine
INTERSTATE #95 - OVER
MESSALONSKEE STREAM
WATERVILLE, MAINE
CUSTOMER: CLANCHETTE BROS.
DESIGNER: THE CLARKSON ENGINE CO.
ORDER NO. VERBAL DWG. NO. 9-60-558

DRAWN	1-27-60 J.P.F.
REVISION	
REVISION	
REVISION	

