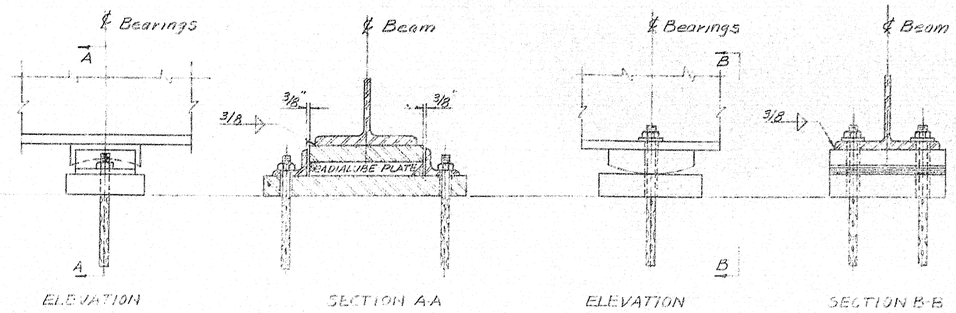
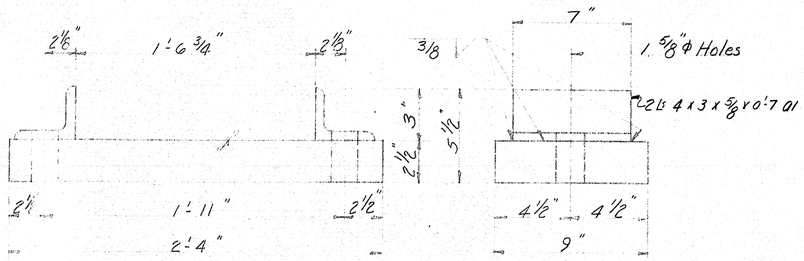
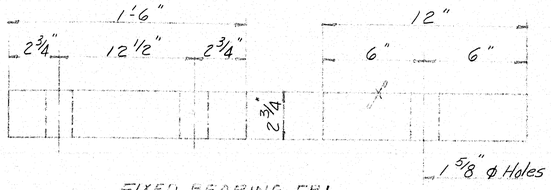


EXPANSION BEARING

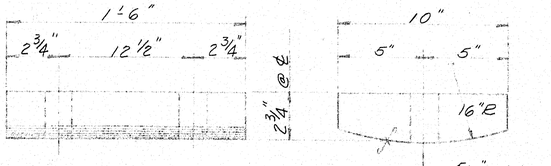
FIXED BEARING



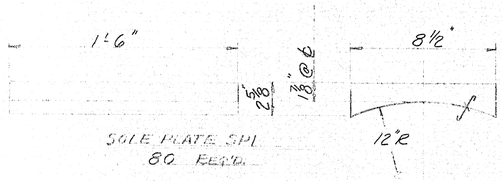
EXPANSION BEARING EB1
80 REQ'D.



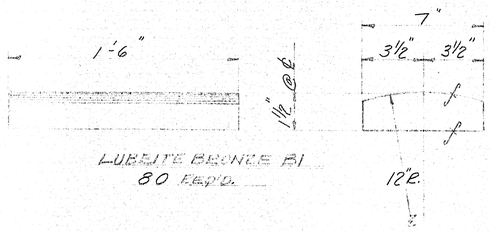
FIXED BEARING FB1
80 REQ'D.



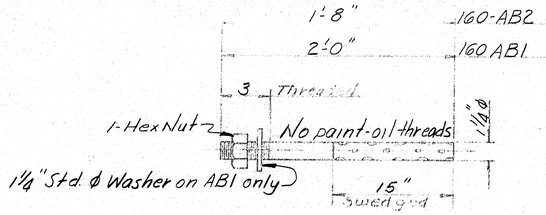
SOLE PLATE SP2
80 REQ'D.



SOLE PLATE SP1
80 REQ'D.



LUBRITE BRONZE B1
80 REQ'D.



ANCHOR BOLTS
AB1 @ FB1
AB2 @ EB1

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 MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
FB1	80		PL 12 x 2 3/4	1 6		Scale Weigh
EB1	80		PL 9 x 2 1/2	2 4		Do Do
AB1	160		1 1/4 ϕ Rod	2 0		Scale Weigh
AB2	160		1 1/4 ϕ Rod	1 8		Do Do
	80	SP1	PL 8 1/2 x 12 5/8	1 6		Scale Weigh
	80	SP2	PL 10 x 2 3/4	1 6		Do Do
	160	a1	L 4 x 3 x 5/8	0 7		
	320	Shop	1 1/4 Hex Nuts Std. ϕ			
	160	Shop	1 1/4 Washer			
B1	80		PL 7 x 1 1/2	1 6		Lubrite Bronze ordered 4-10-59

BILL OF MATERIAL — DWG. NO. 9-60-S1

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 Rollings Mills Company
South Portland 7, Maine

INTERSTATE #95 OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER Cianchette Brothers
DESIGNER Clarkeson Engr. Co.

ORDER NO. VERBAL — DWG. NO. 9-60-S1

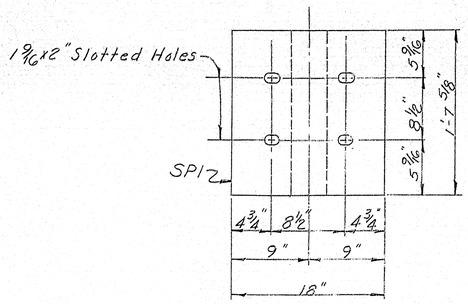
APPROVED 4-14-59

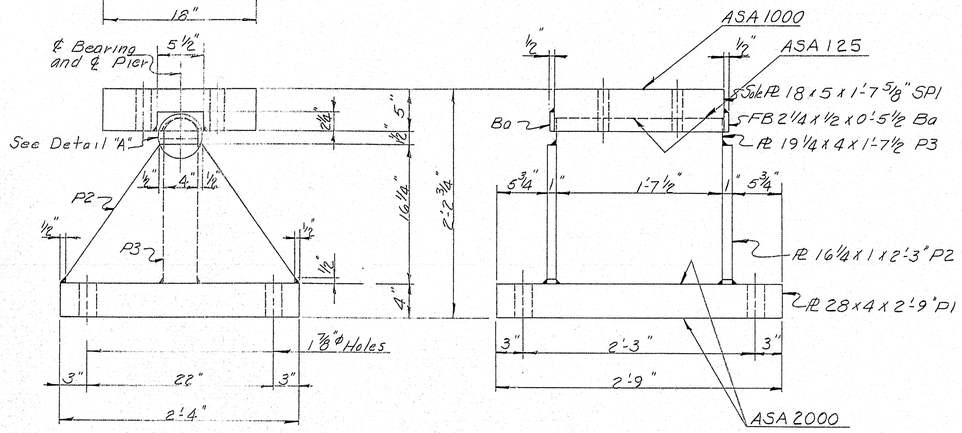
DRAWN	4-7-59	GM
REVISION		
REVISION		
REVISION		

1/63

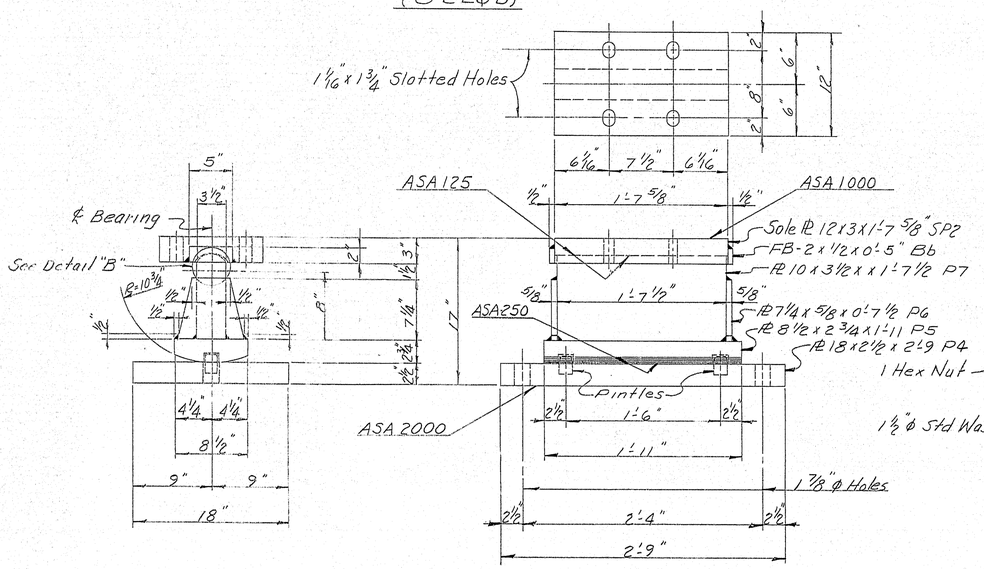
77-143

0 1 2 3 4 5 INCHES

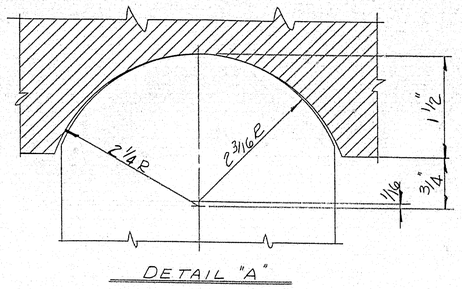




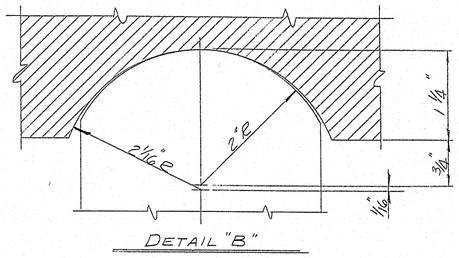
GIRDER FIXED BEARING FB2
(8 REQ'D)



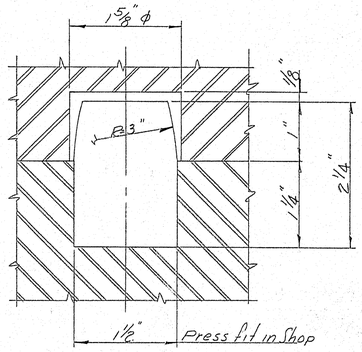
GIRDER EXPANSION BEARING EB2
8 REQ'D.



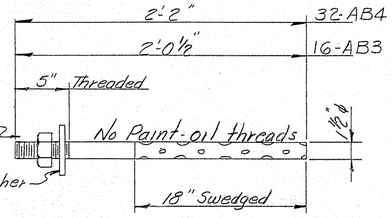
DETAIL "A"



DETAIL "B"



PINTLE DETAIL
16 REQ'D.



ANCHOR BOLTS-AB3 & AB4
AB4-32 REQ'D. @ FB2
AB3-16 REQ'D. @ EB2

NOTE
1- Top side of Sole PL & underside of bottom PL to be free of paint on all bearings.
2- Coat all finished surfaces with white lead & tallow.
3- All steel in Bearings shall conform to A.S.T.M. Designation A-373.

SHIP MARK	NO.	MARK	SHAPE	LENGTH		WT.	REMARKS
FB2	8		Fixed Brg.				Scale Weigh
EB2	8		Exp. Brg.				Do Do
AB3	16		1 1/2" ϕ Rod	2	2		Scale Weigh
AB4	32		Do	2	0 1/2		Do Do
	8	SP1	PL 18 x 5	1	7 5/8		A-373
	8	SP2	PL 12 x 3	1	7 5/8		A-373
	8	P1	PL 28 x 4	2	9		A-373
	16	P2	PL 16 1/4 x 1	2	3		A-373
	8	P3	PL 19 1/4 x 4	1	7 1/2		A-373
	8	P4	PL 18 x 2 1/2	2	9		A-373
	8	P5	PL 8 1/2 x 2 3/4	1	11		A-373
	16	P6	PL 7 1/4 x 5/8	0	7 1/2		A-373
	8	P7	PL 10 x 3 1/2	1	7 1/2		A-373
	16	Ba	FB 2 1/4 x 1/2	0	5 1/2		A-373
	16	Bb	FB 2 x 1/2	0	5		A-373
	16	Pintles	1 1/2" ϕ Bar	0	2 1/4		A-373
	48	Shop	1 1/2 Hex Nut				
	48	Shop	1 1/2" Std. ϕ Washer				

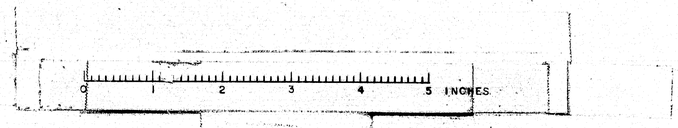
SHOP CONNECTIONS: 1/2" Cont. fillet
FIELD CONNECTIONS: Bolted
HOLES: As Noted
PAINT: Per State of Maine Specs., and as noted.

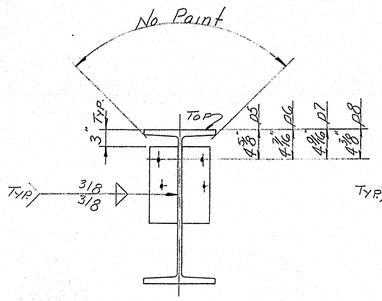
BEARING DETAILS - GIRDERS
Bancroft & Martin Rolling Mills Company
South Portland 7, Maine
INTERSTATE #95 OVER MESSALONSKEE STREAM
WATERVILLE, MAINE
CUSTOMER CIANCHETTE BROTHERS
DESIGNER CLARKESON ENGR. CO.
ORDER NO. VERBAL DWG. NO. 9-60-52

DRAWN	4.8.52	F.G.M.
REVISION		
REVISION		
REVISION		

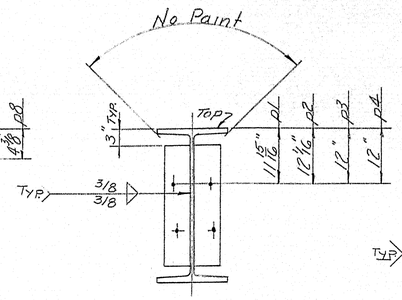
APPROVED 4-14-52

77-144

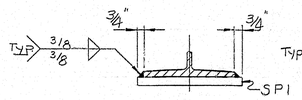




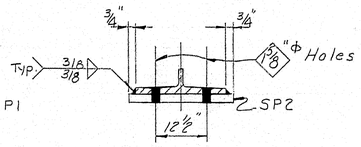
TYPICAL @ END PLATES



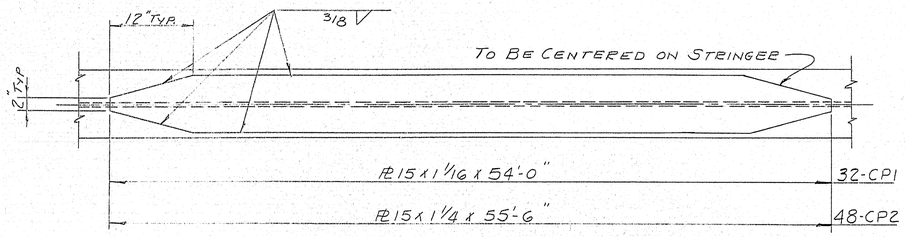
TYPICAL @ INT. PLATES



TYPICAL @ EXP. Brg.



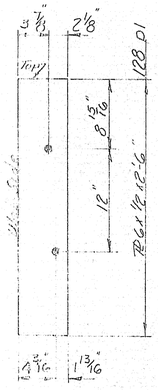
TYP. @ FIXED Beg.

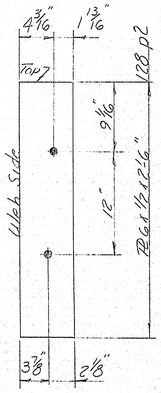


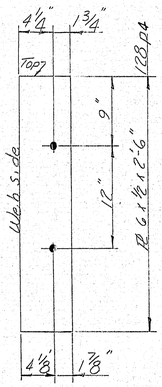
TYPICAL COVER PLATE DETAIL

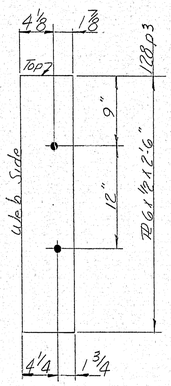
NOTE: No camber in beams required any natural camber to be placed up.

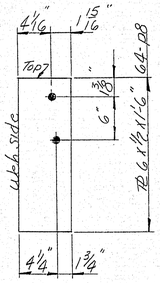
Beams & Cover Plates to be A.S.T.M. Designation A-373

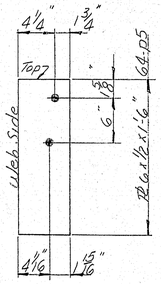


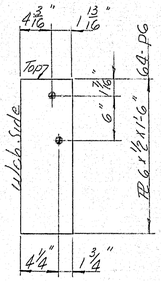


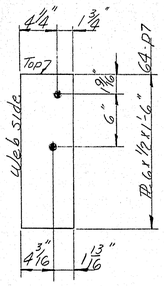












NOTE:
No paint on p1 to p8 Inc.

SHIP MARK	NO.	MARK	SHAPE	LENGTH		WT.	REMARKS

BILL OF MATERIAL DWG. NO.

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

DRAWN	4.28.59	R.G.M.
REVISION		
REVISION		
REVISION		

APPROVED 5-22-59

STRINGER DETAILS

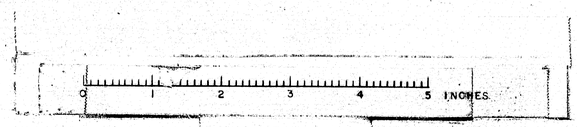
Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

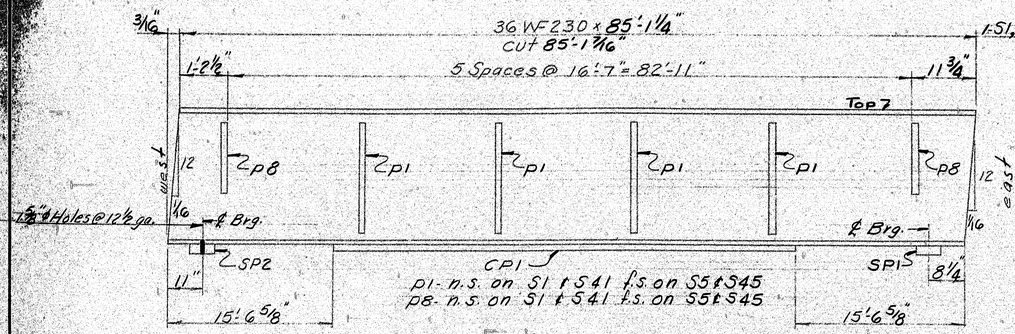
INTERSTATE #95 OVER MESSALONSKEE STREAM
WATERVILLE MAINE

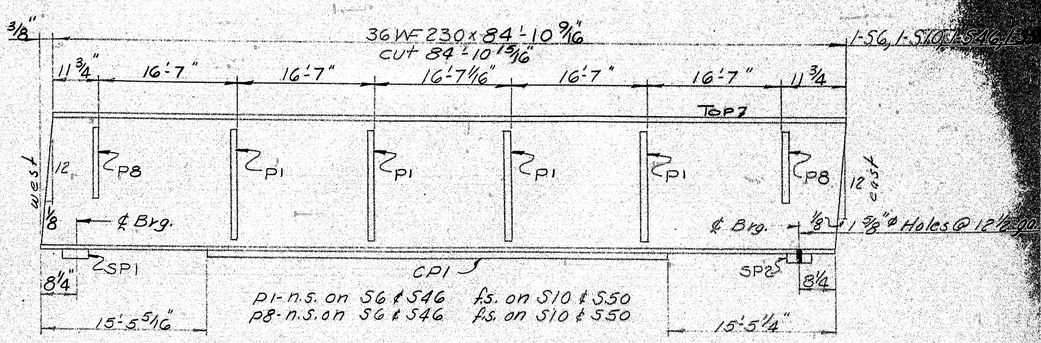
CUSTOMER Cianchette Bros.
DESIGNER The Clarkeson Engr Co.

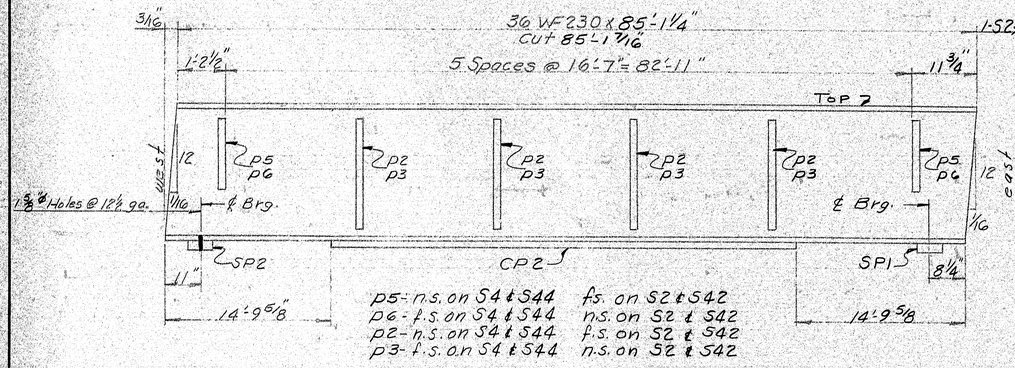
ORDER NO. VERBAL DWG. NO. 9-60-53

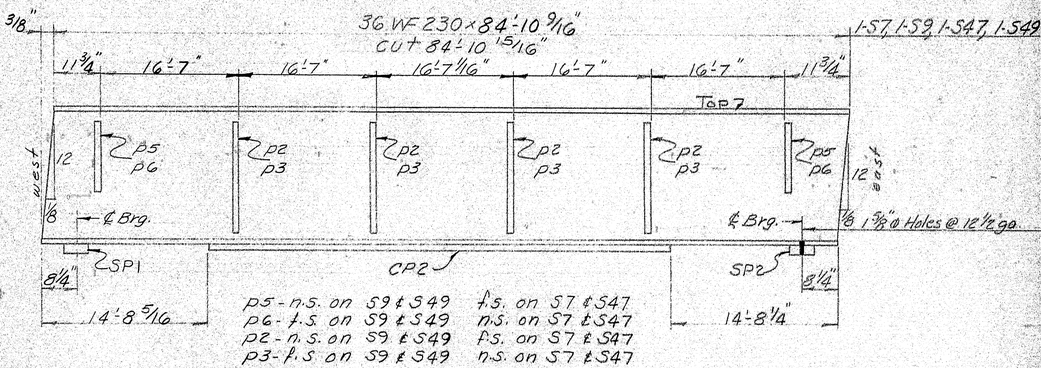
77-145

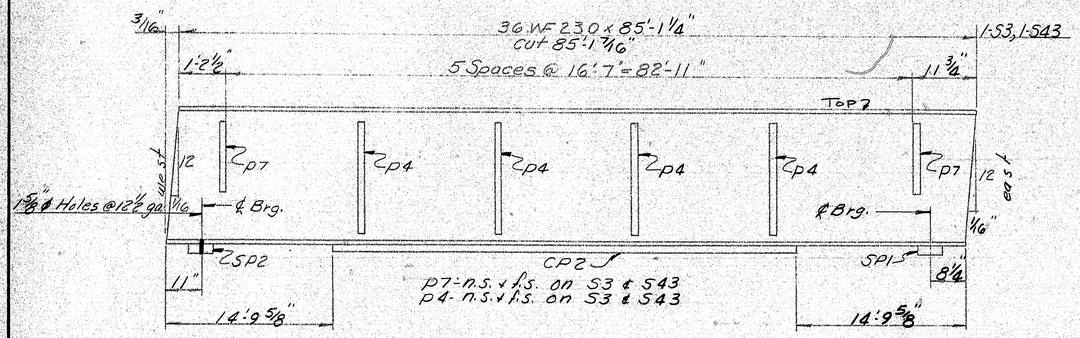












for Bill of Material see Sheet 9-60-S4A, 9-60-S4B, 9-60-S4C, & 9-60-S4D.

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

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

See Dwg. 9-60 S3 for Typ. Sections & Details

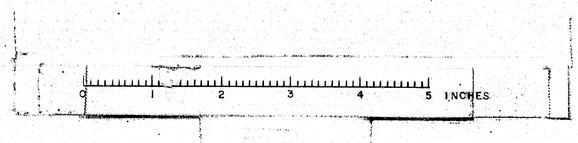
STRINGER DETAILS

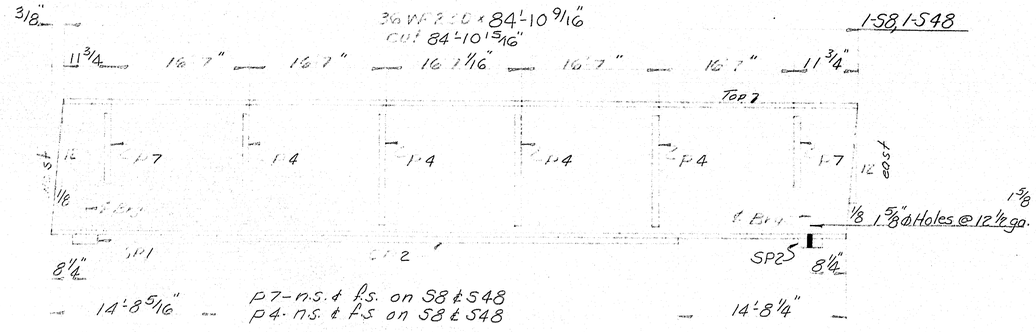
Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

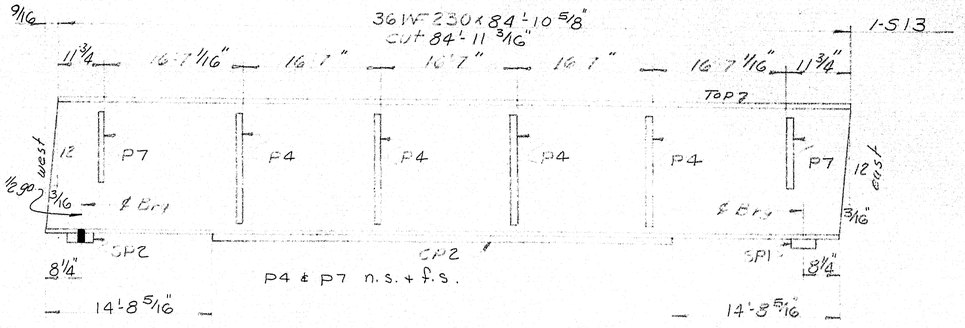
INTERSTATE RE 95 OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

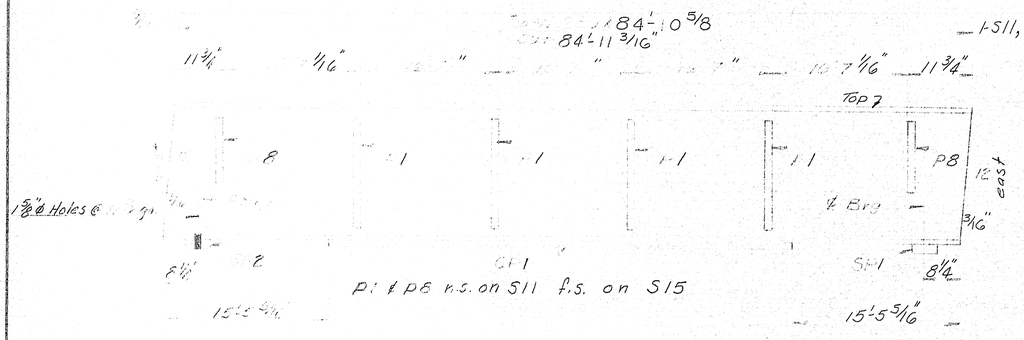
DRAWN	4-22-59	TEM	CUSTOMER CIANCHETTE BROS.
REVISION			DESIGNER THE CLARKESON ENGR. CO.
REVISION			ORDER NO. VERBAL / DWG. NO. 9-60-S4
REVISION			

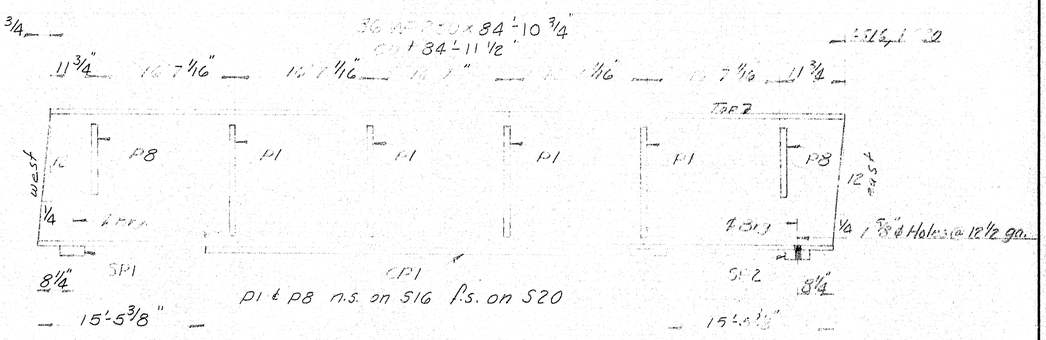
77-146

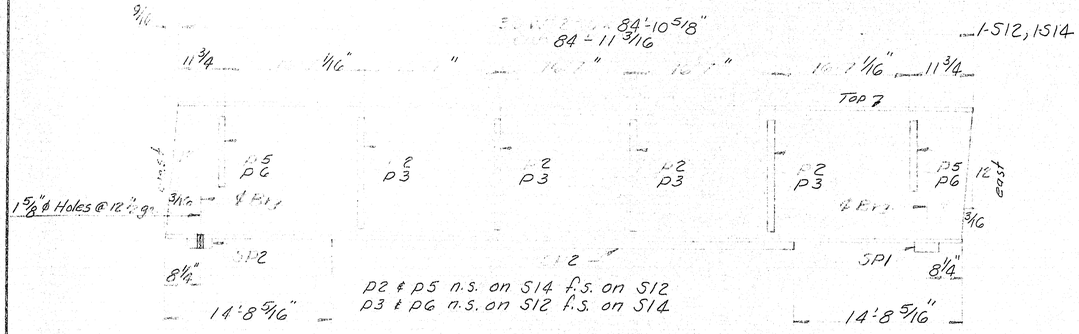












for Bill of Material see Sheet 9-60-S1C, 9-60-S7D, 9-60-S5A, & 9-60-S5B

NOTES: Plate Pr. State of Maine
Sect. of Steel Fabrication
Beam & Cover Plates
are to ASTM Designation A-373
See Dwg. 9-60 S3 for
Connections & Details

Approved 5-26-59

STRINGER DETAILS

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE "95 OVER
MESSALONSKEE STREAM
WATERVILLE, MAINE

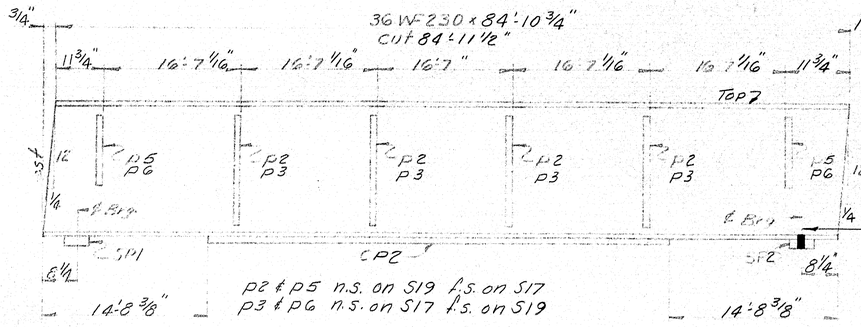
CUSTOMER Chalmette Bros.
DESIGNER The Clarkeson Engr. Co.

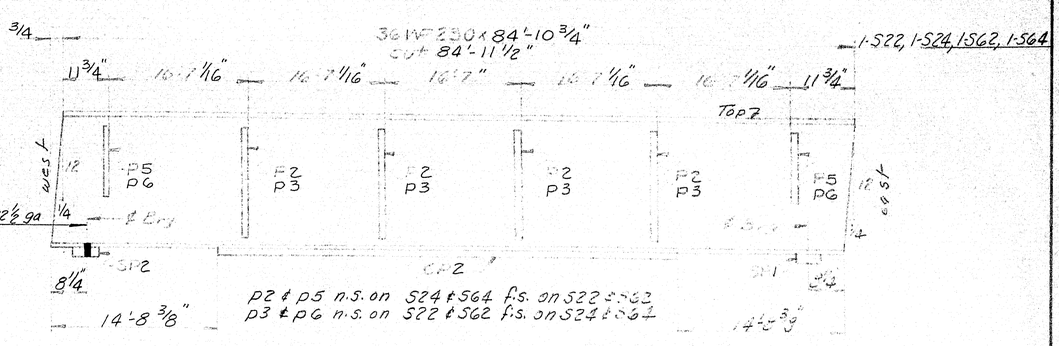
DRAWN	4.23.59	PBM
REVISION		
REVISION		
REVISION		

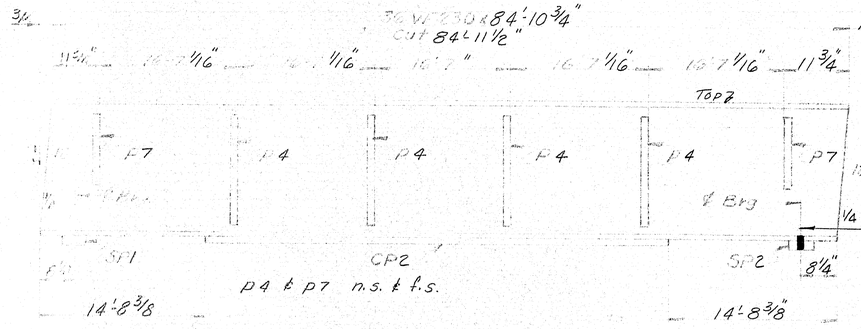
ORDER NO. Ver Bal | DWG. NO. 9-60-S5

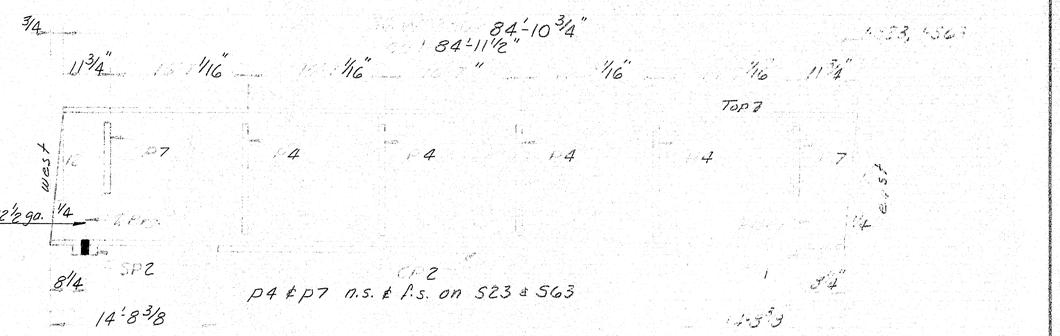
77-147

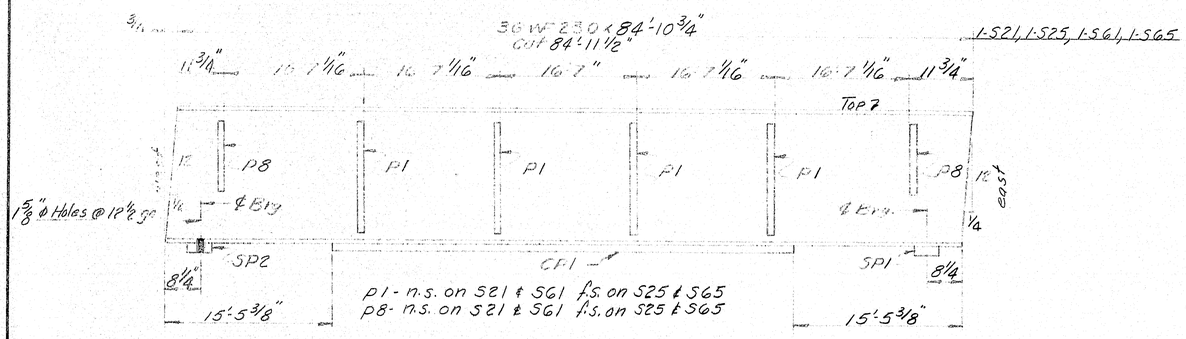
0 1 2 3 4 5 INCHES











for Bill of Material see Sheet 1-60-55B & 56-56A

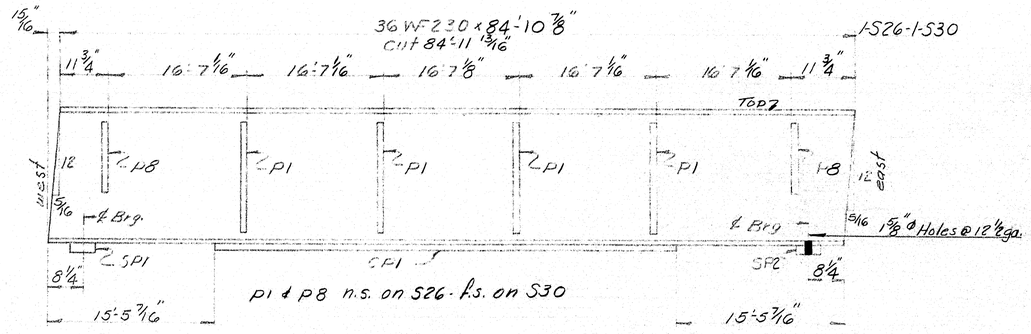
APPROVED 5-22-59

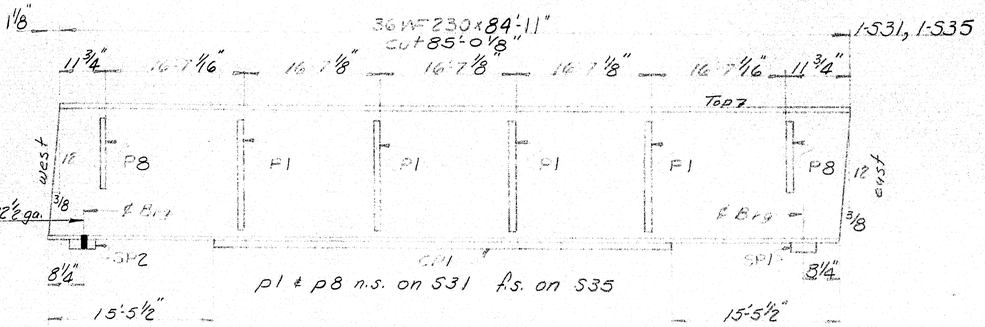
Bureau of G. Martin Rolling Mills Company
South Portland, Maine

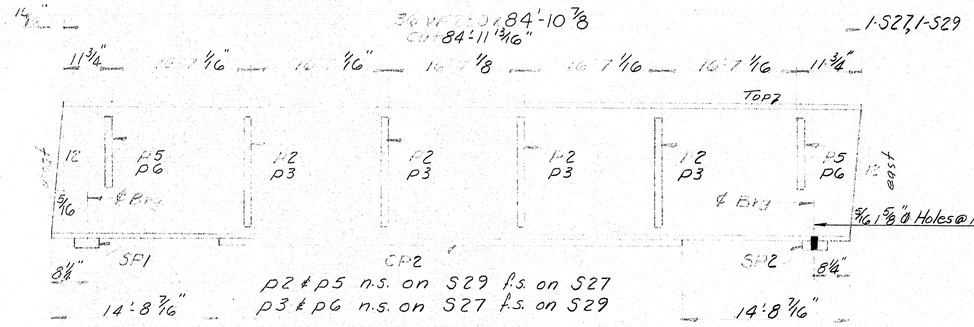
DRAWN 4-23-59
REVISION
REVISION
REVISION

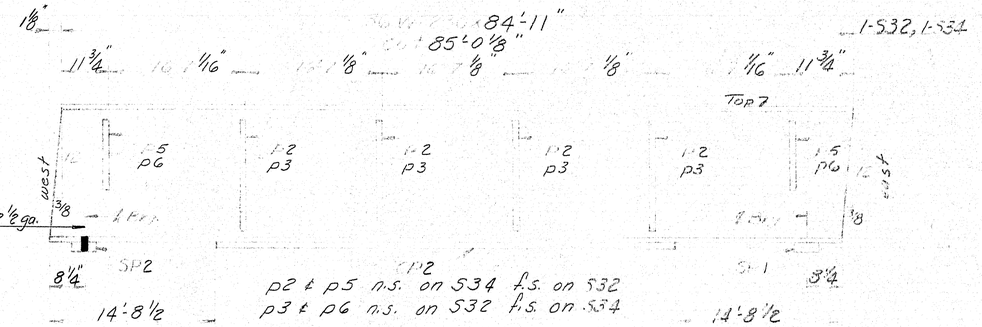
CUSTOMER
DESIGNER
ORDER NO.
DWG. NO. 260-56

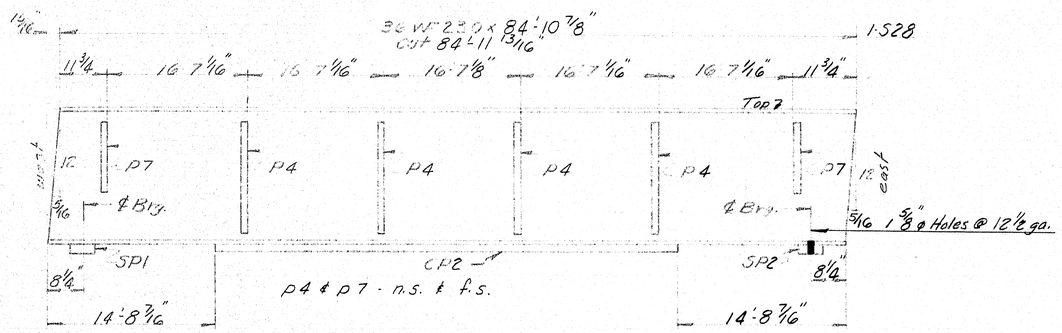
77-148











For Bill of Material See Sheet 9-60-57A & 9-60-57B

NOTES:

BUILT IN DETAILS

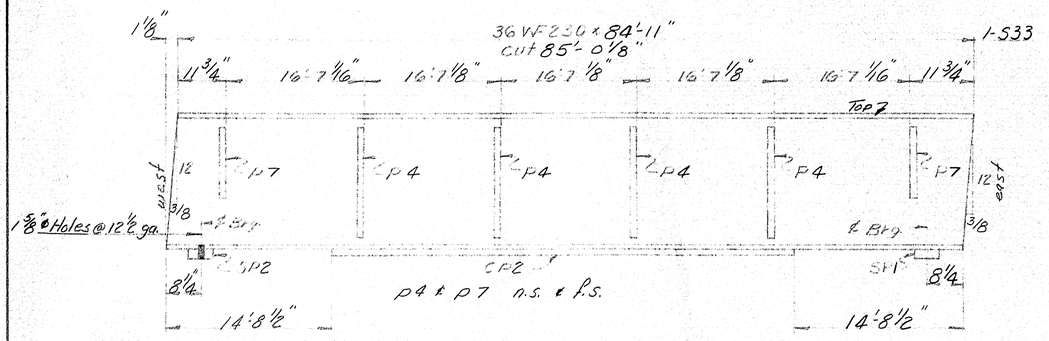
Bancroft & Martin Rolling Mills Company
South Portland, Maine

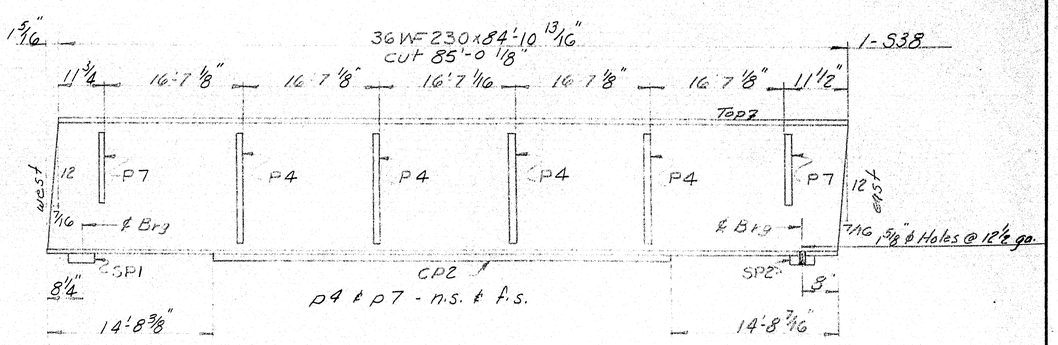
DRAWN 4-24-59
REVISION
REVISION
REVISION

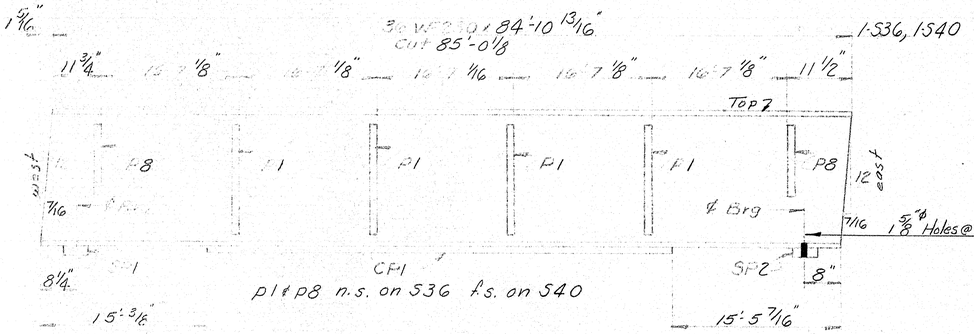
CUSTOMER
DESIGNER
ORDER NO.
DWG. NO. 9-60-57

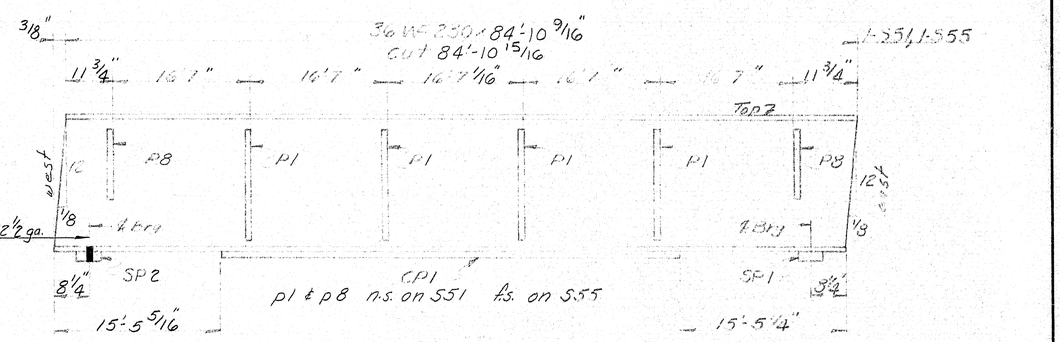
77-149

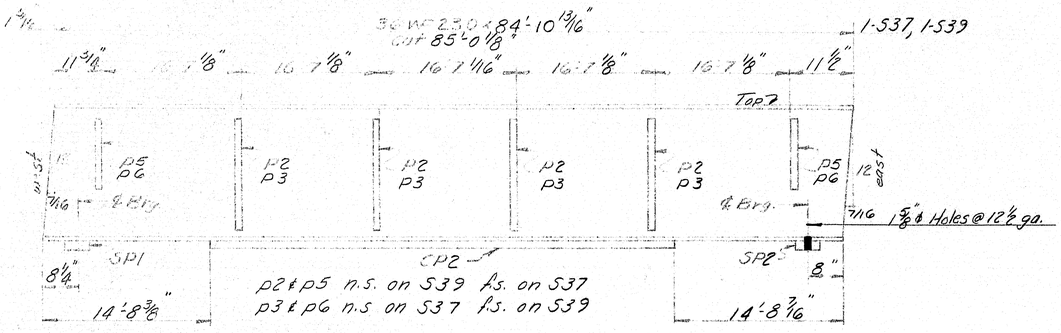
0 1 2 3 4 5 INCHES











for Bill of Material see Sheet 9-60-57B, 9-60-58A & 9-60-33B

NOTES: Paint: Per State of Maine Specifications f as noted.
Beams & Cover Plates are to be ASTM Designation A-373
See Dwg. 9-60-53 for Typ. Sections & Details

STRINGER DETAILS

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. Co.

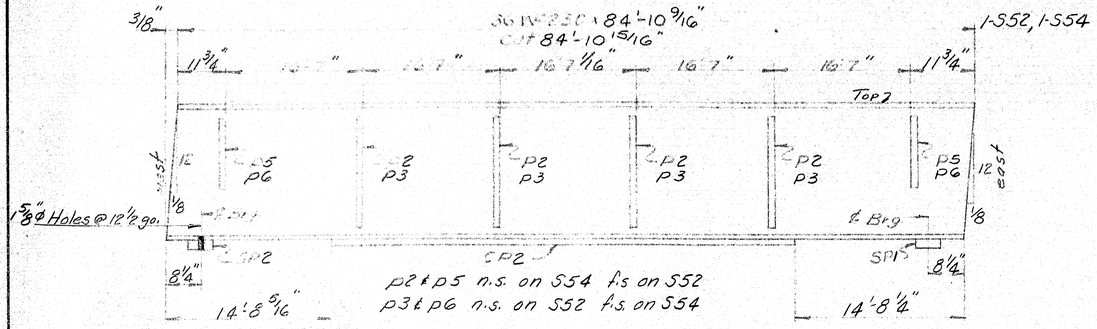
DRAWN	4-24-59	VGM	
REVISION			
REVISION			
REVISION			

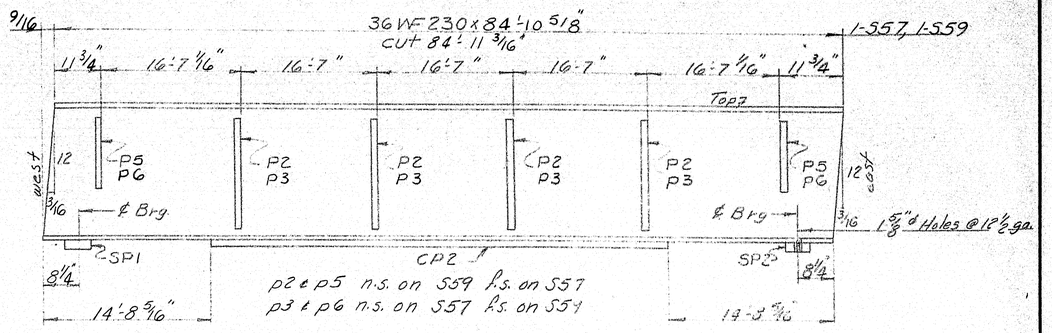
APPROVED 5-26-59

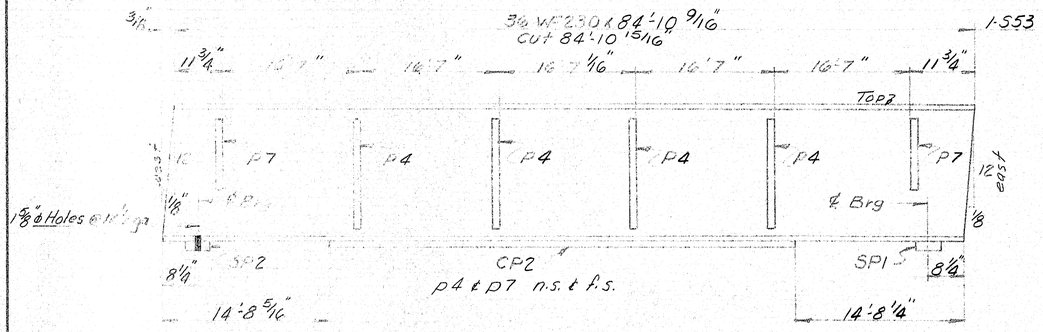
ORDER NO. VERBAL | DWG. NO. 9-60-58

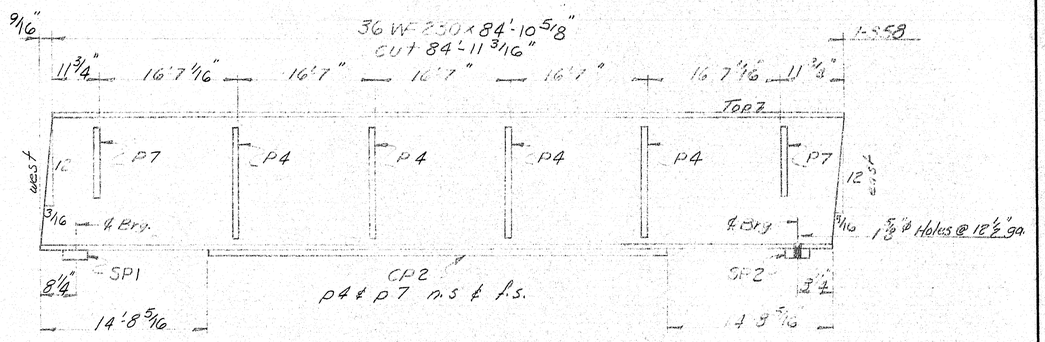
77-150

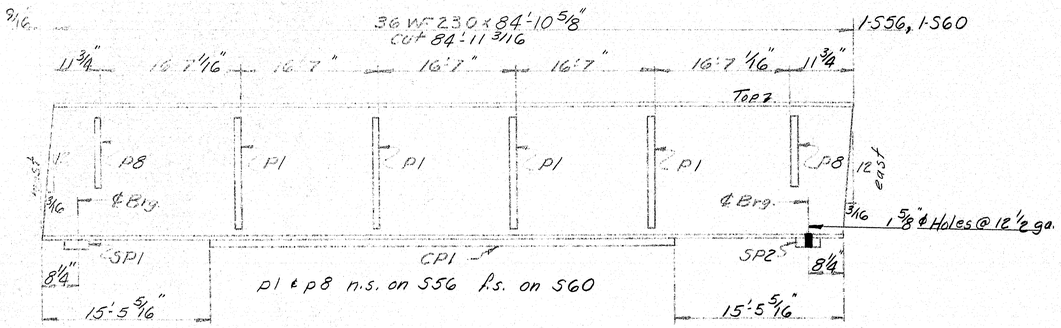
0 1 2 3 4 5 INCHES











for Bill of Material see Sheet 9-60-S8B & 9-60-S9A

NOTES: Paint: Per State of Maine Specifications & as noted.
Beams & Cover Plates are to be A.S.T.M. Designation A-373
See Dwg. 9-60 S8 for Typ. Sections & Details

STRINGER DETAILS

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

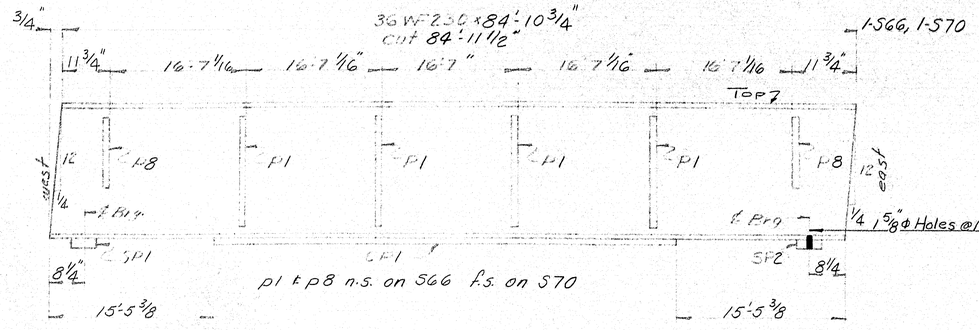
CUSTOMER Gianchette Bros.
DESIGNER The Clarkeson Engr. Co.

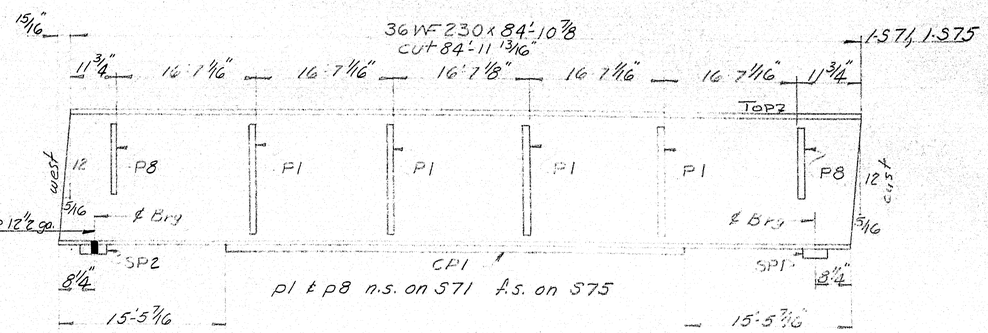
ORDER NO. Verbal | DWG. NO. 9-60-S9

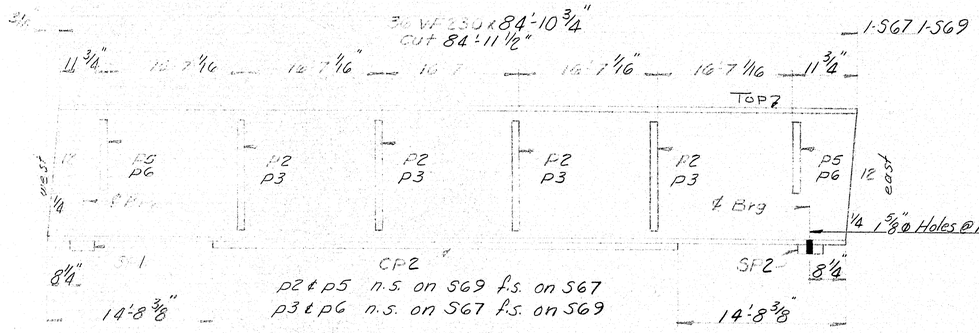
DRAWN	4-24-59	FEM
REVISION		
REVISION		
REVISION		

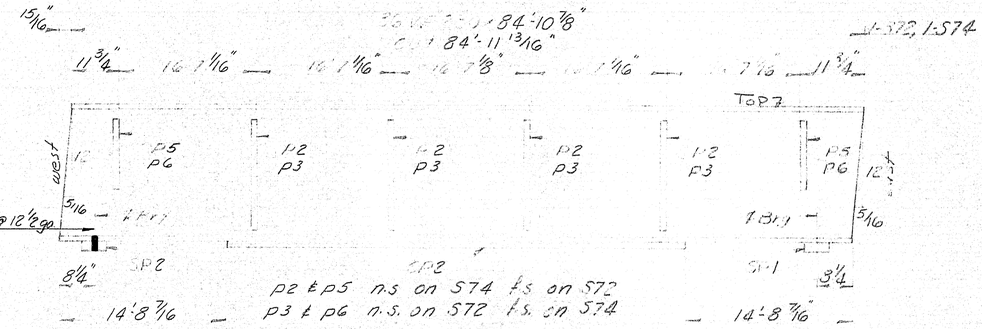
Approved 5-22-59

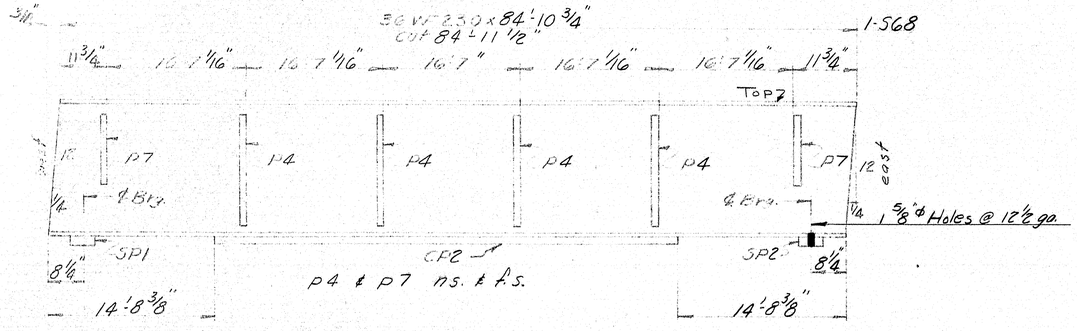
77-151











For Bill of Material see Sheet 9-60-510A & 9-60-510B

NOTES: Fabrication Per State of Maine Specifications & as noted.
Beams & Cover Plates are to be A.S.T.M. Designation A-373
See Dwg. 9-60-55 for Typ. Sections & Details

APPROVED 5-22-59

STRINGER DETAILS

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE "95 OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

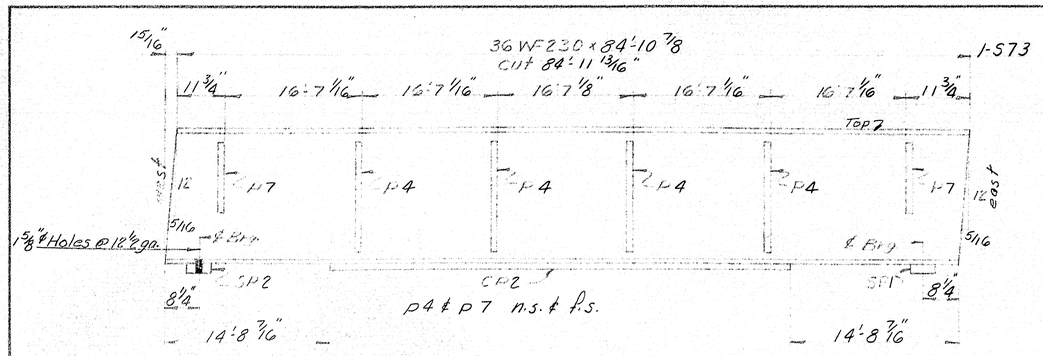
DRAWN	42559	TGM
REVISION		
REVISION		
REVISION		

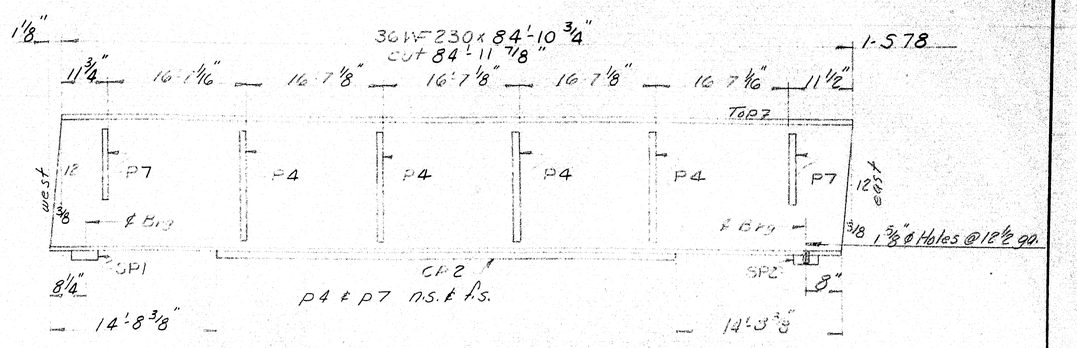
CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. Co.
ORDER NO. VERBAL
DWG. NO. 9-60-510

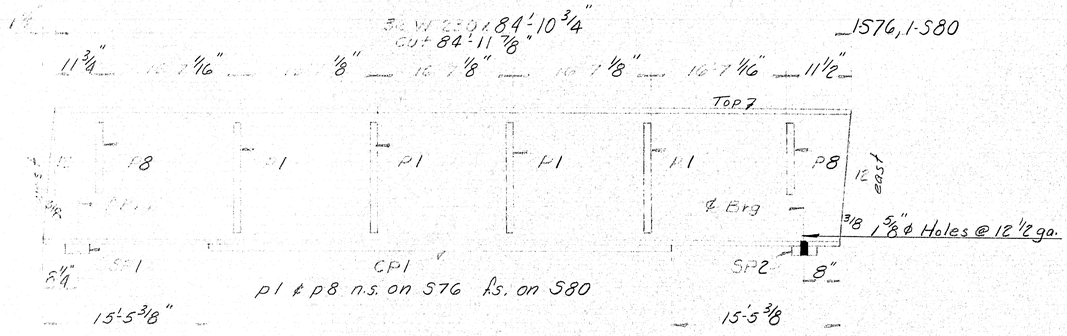
77-152

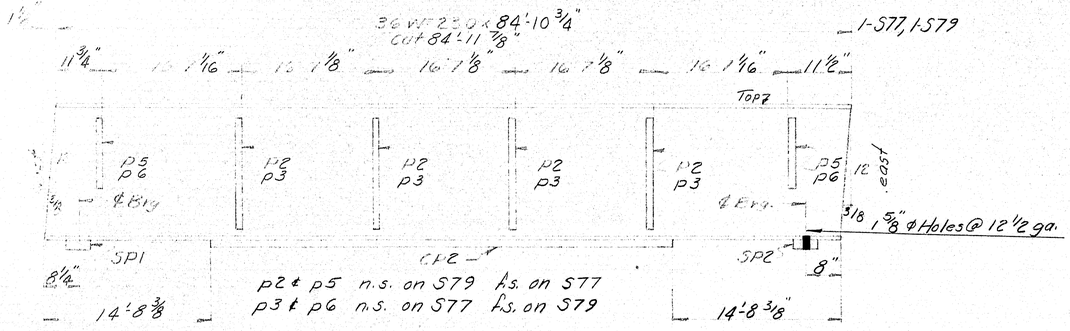
PRINTED BY SMALLEY-MOORE CO., PORTLAND, MAINE. BLUE PRINT NO. 63-3972

0 1 2 3 4 5 INCHES









For Bill of Materials see Sheet 9-60-511A

NOTES: Unless otherwise noted all steel shall conform to ASTM Designation A-373
See Dwg. 9-60-513 for Typ. Sections & Details

STRINGER DETAILS

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER Cianbette Bros.
DESIGNER The Clarkeson Engr. Co.

DRAWN	4.27.59	TGM
REVISION		
REVISION		
REVISION		

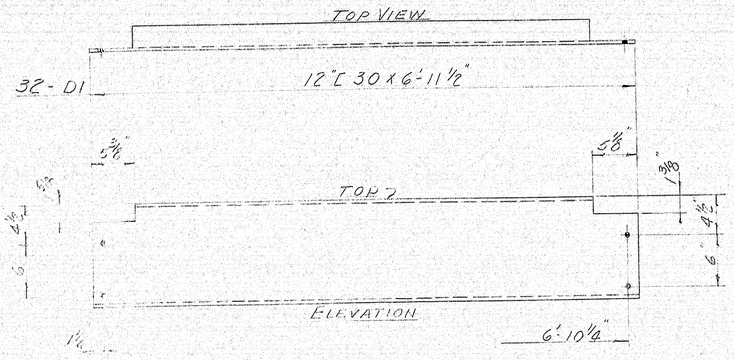
ORDER NO. Verbal
DWG. NO. 9-60-511

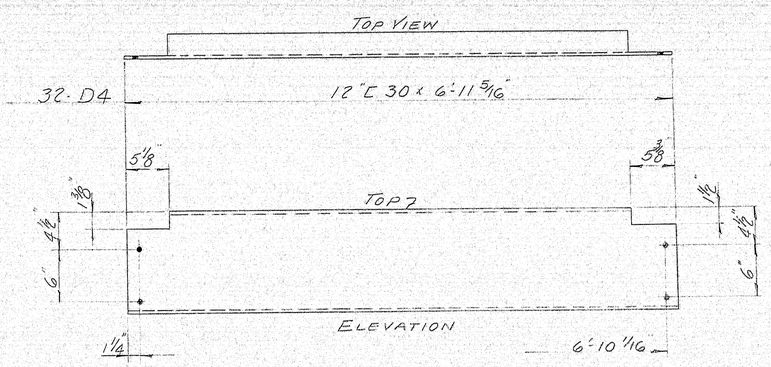
APPROVED 5.22.59

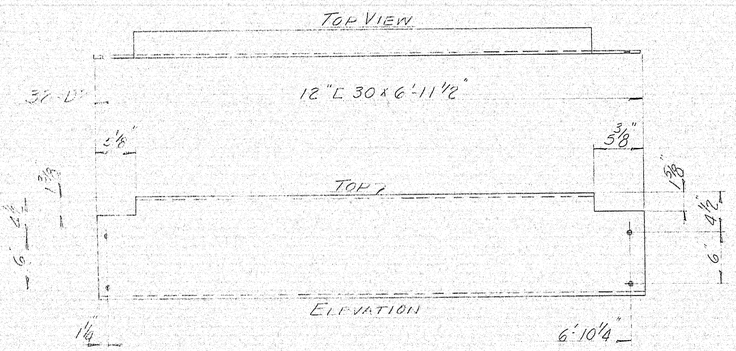
77-153

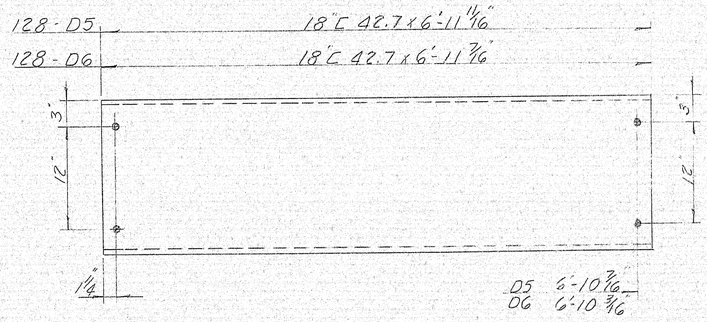
PRINTED BY SHUMWAY-HOWE CO., BOSTON, MASS. TELEPHONE NO. LI 5124

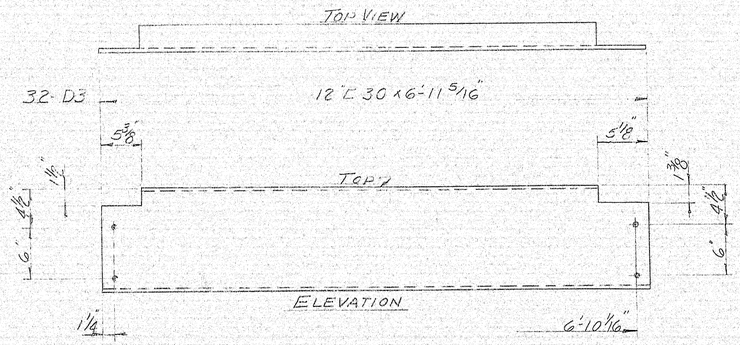
0 1 2 3 4 5 INCHES

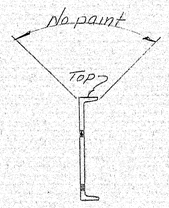












TYPICAL ALL 12"C 30

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.

DIAPHRAGM DETAILS

Bancroft & Martin Rollerge Mills Company
South Portland 7, Maine

INTERSTATE #95 over
MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANBETTE BROTHERS
DESIGNER CLACKSON ENGR. CO. INC.

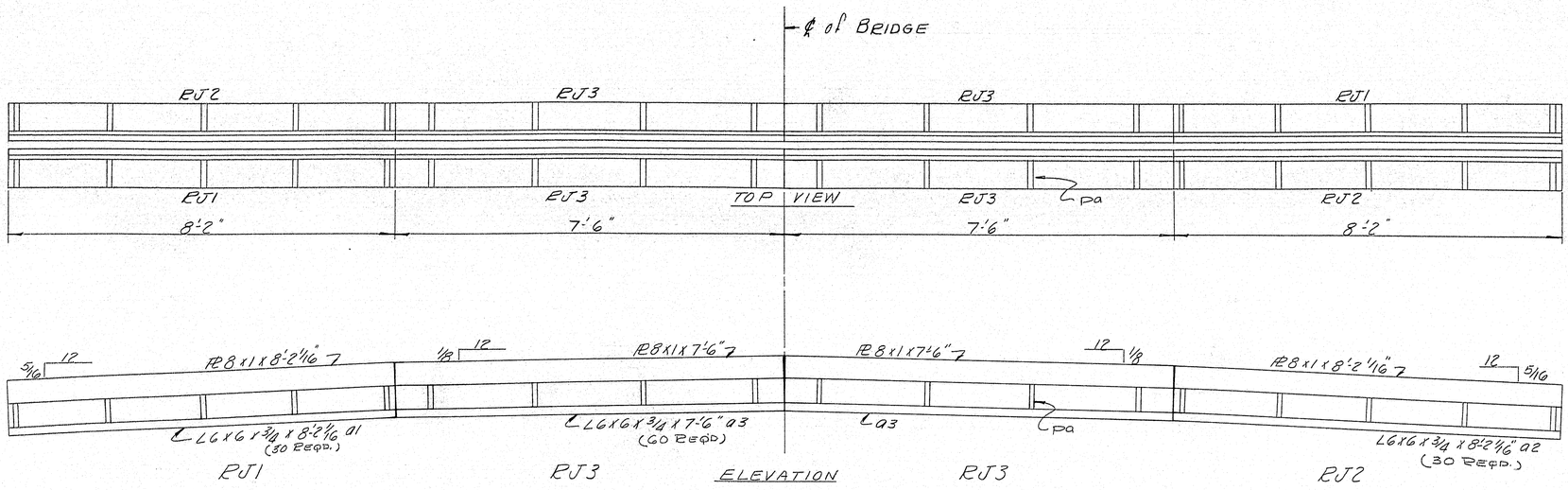
ORDER NO. VERBAL | DWG. NO. 3-60-S12

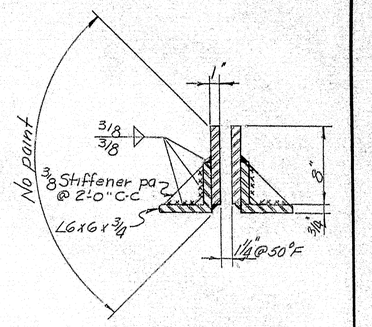
DRAWN	4-25-62	KEN
REVISION		
REVISION		
REVISION		

APPROVED 5-22-62

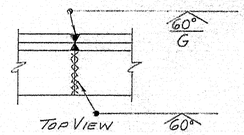
77-154

0 1 2 3 4 5 INCHES

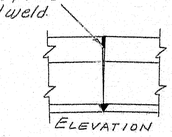




TYP. SECTION @ ROADWAY JOINT

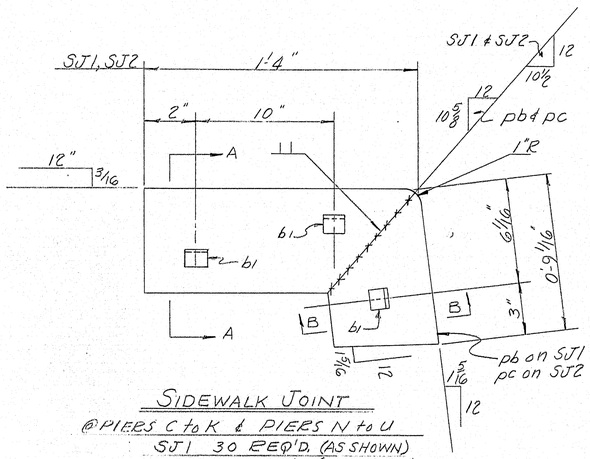


Cut ends of PLs & Ls Square
Bevel 30° for field weld.

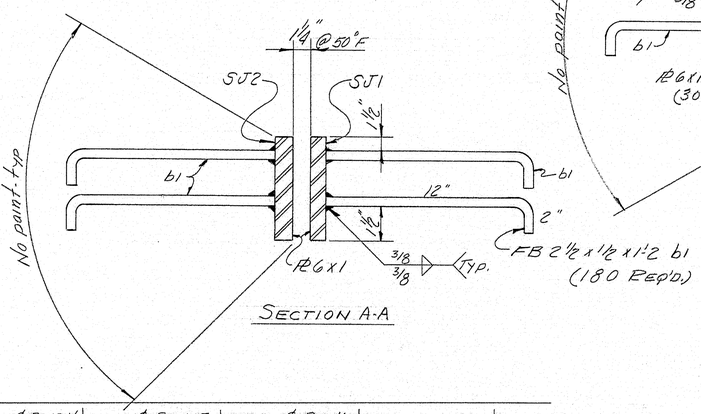


DETAIL "A"

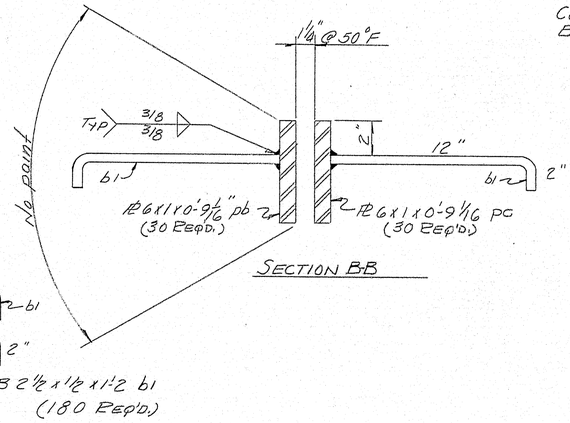
ROADWAY JOINT ERECTION PLAN
@ PIERS C to K and PIERS N to U
PJ1 30 Req'd.
PJ2 30 Req'd
PJ3 60 Req'd.



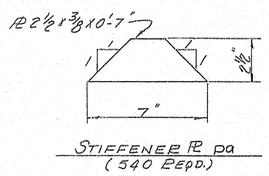
SIDEWALK JOINT
@ PIERS C to K & PIERS N to U
SJ1 30 Req'd. (AS SHOWN)
SJ2 30 Req'd. (OPP HAND)



SECTION A-A



SECTION BB



STIFFENER PL pa
(540 Req'd.)

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

℄ Pier C ℄ N	℄ Pier D ℄ O		℄ Pier E ℄ P		℄ Pier F ℄ Q		℄ Pier G ℄ R		℄ PIER H ℄ S		℄ PIER J ℄ T		℄ Aer K ℄ U		
SJ2	Span 4+15	SJ1	Span 5+16	SJ1	Span 6+17	SJ1	Span 7+18	SJ1	Span 8+19	SJ1	Span 9+20	SJ1	Span 10+21	SJ1	Span 11+22
PJ2		PJ1		PJ1		PJ1		PJ1		PJ1		PJ1		PJ1	
PJ3		PJ3		PJ3		PJ3		PJ3		PJ3		PJ3		PJ3	
PJ3		PJ3		PJ3		PJ3		PJ3		PJ3		PJ3		PJ3	
PJ1		PJ2		PJ2		PJ2		PJ2		PJ2		PJ2		PJ2	
SJ1		SJ2		SJ2		SJ2		SJ2		SJ2		SJ2		SJ2	

FRAMING PLAN for ROADWAY & SIDEWALK JOINTS

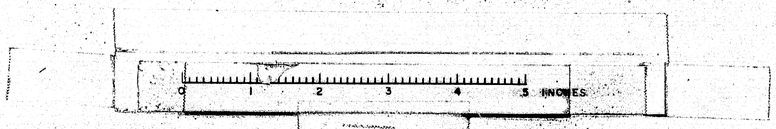
SHIM
PL 7 x 7
No Paint

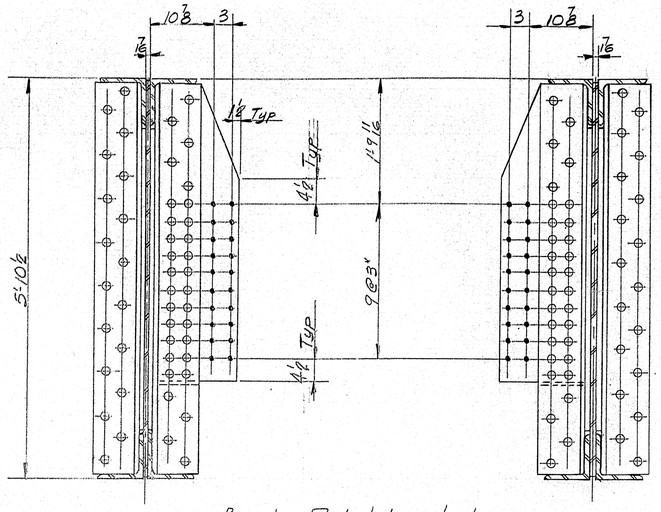
SHIM A 1/4" Thick 150 Req'd.
Do B 1/8" Do 150 Req'd.
Do C 1/16" Do 300 Req'd.

ROADWAY & SIDEWALK JOINT DETAILS and FRAMING PLAN
Approved 5-22-59
Bancroft & E. Martin Rolling Mills Company
South Portland 7, Maine
INTERSTATE #95 OVER MESSALONSKEE STREAM
WATERVILLE, MAINE
CUSTOMER Cianchette Brothers
DESIGNER The Clarkeson Engr Co.
ORDER NO. Verbal
DWG. NO. 9-60-S13

DRAWN	4-30-59	HBM
REVISION		
REVISION		
REVISION		

77-155

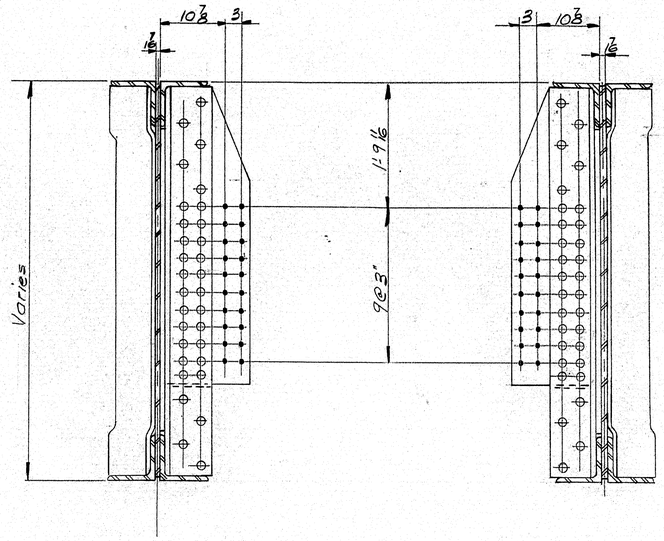




Bearing Pedestals not shown.

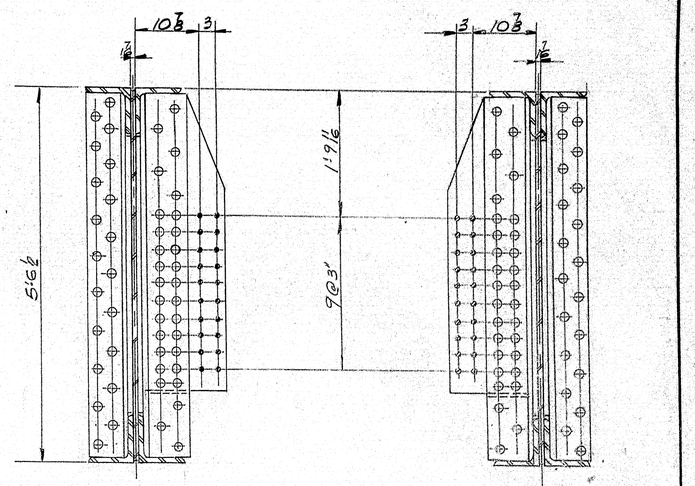
SECTION "1-1"

SECTION "2-2"

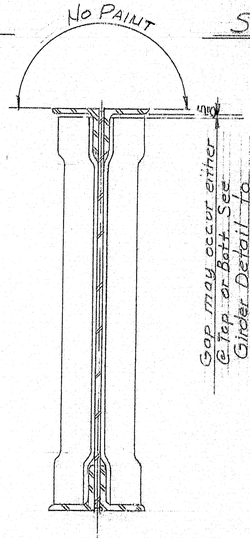


SECTION "3-3"

SECTION "4-4"

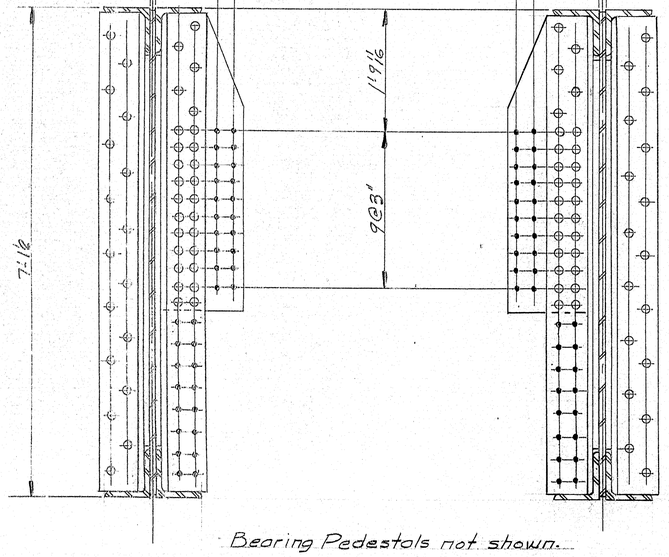


SECTION "9-9"



SECTION 10-10

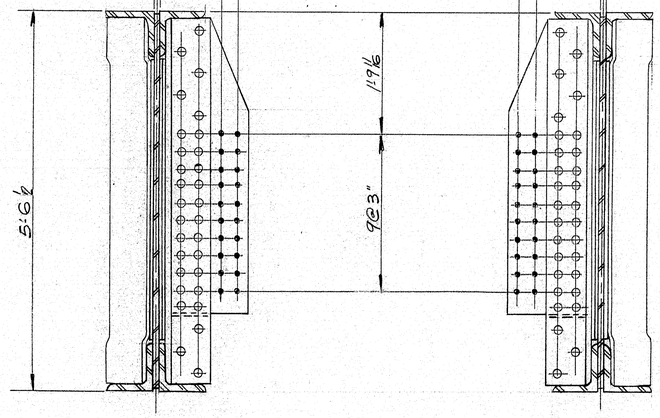
TYPICAL SECTION
@ INTERMEDIATE STIFFENERS



Bearing Pedestals not shown.

SECTION "5-5"

SECTION "6-6"



SECTION "7-7"

SECTION "8-8"

COVER PLATES NOT SHOWN

TYPICAL SECTIONS

Bancroft & Martin Rollings Mills Company
South Portland 7, Maine

INTERSTATE #95-OVER
MESSALONSKEE STREAM
WATERVILLE, MAINE

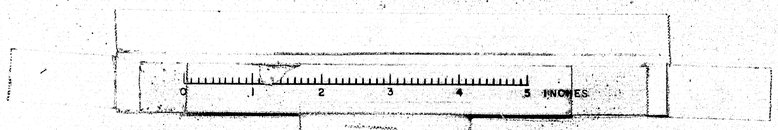
CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO

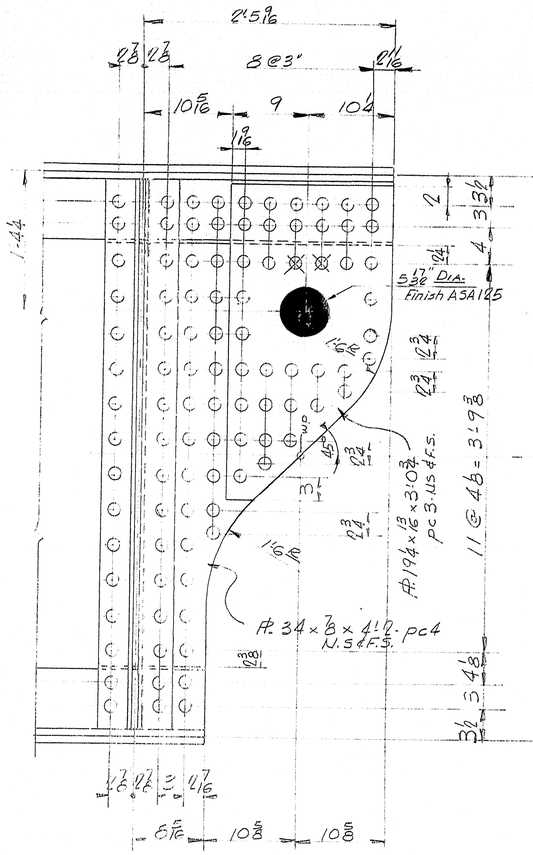
ORDER NO. VERBAL | DWG. NO. 9-60-S14

DRAWN	6-19-59	J.P.F.
REVISION	9-24-59	J.P.F.
REVISION		
REVISION		

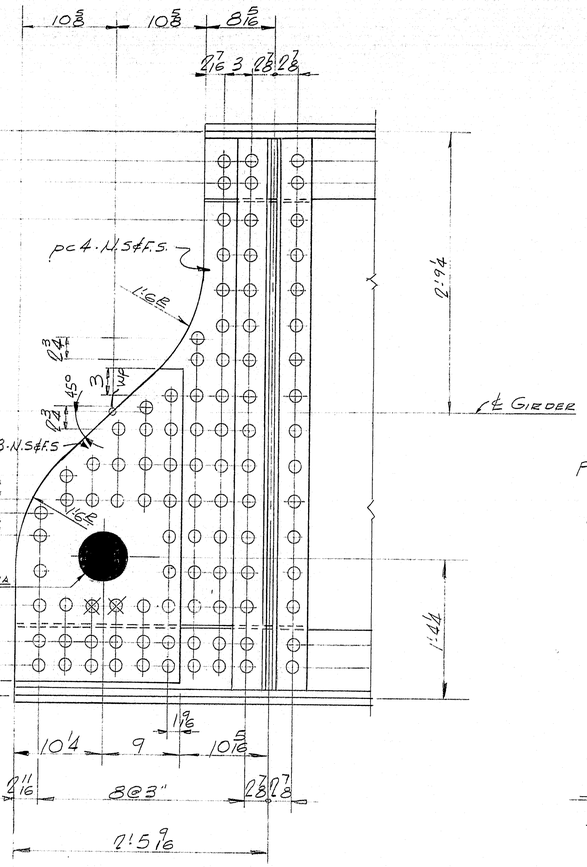
APP 9-22-59

77-156

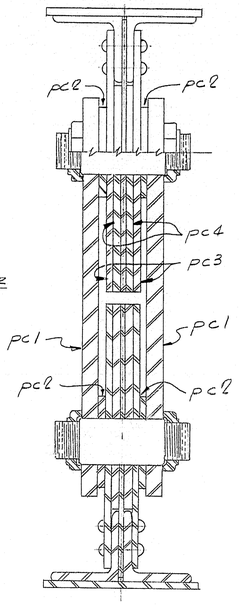




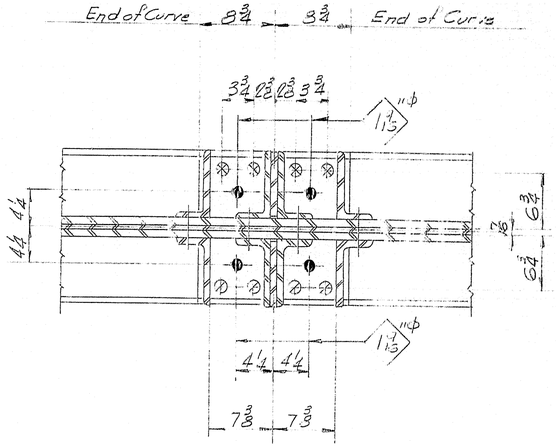
DETAIL "B"



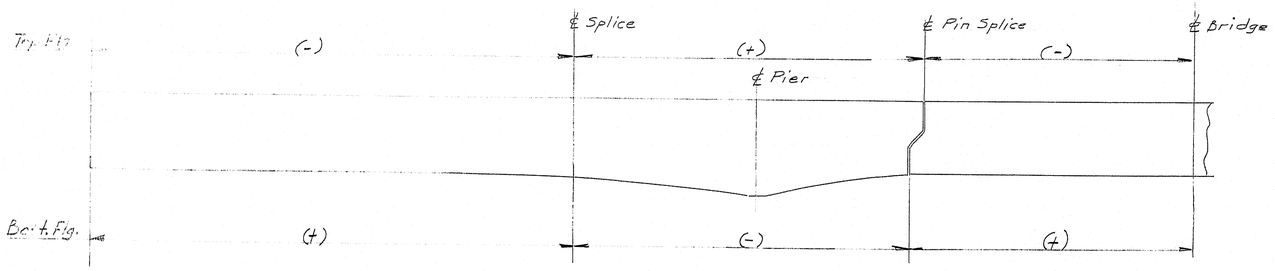
DETAIL "C"



SECTION THROUGH PIN CONN.



DETAIL "A"



STRESS DIAGRAM

GENERAL NOTES

1.) In steel thicker than 3/4", holes shall be sub-punched or sub-drilled 1/16" smaller and after assembling reamed 1/16" larger or drilled from the solid to 1/16" larger than the nominal diameter of the rivets.
2.) Open holes are for Hi-Tensile Bolts, they are to be free from burrs and there shall be no paint on any surface within 3" of such open holes
3.) Holes in field splices of continuous girders to be sub-punched (or sub-drilled) and reamed while assembled in the shop and connecting parts to be match marked & bolted for shipment.
4.) Bearing stiffeners to have ends milled to secure an even bearing against flange angles.
5.) Holes for Bearing Pedestals to be Drilled to Template.

SHOP CONN: 7/8" ϕ Rivets
FIELD CONN: 7/8" ϕ H.S. Bolts.
PAINT: Shop coat, per State of Maine Specs.

APP'D 7-28-59

TYPICAL DETAILS

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

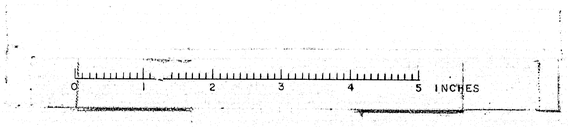
INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

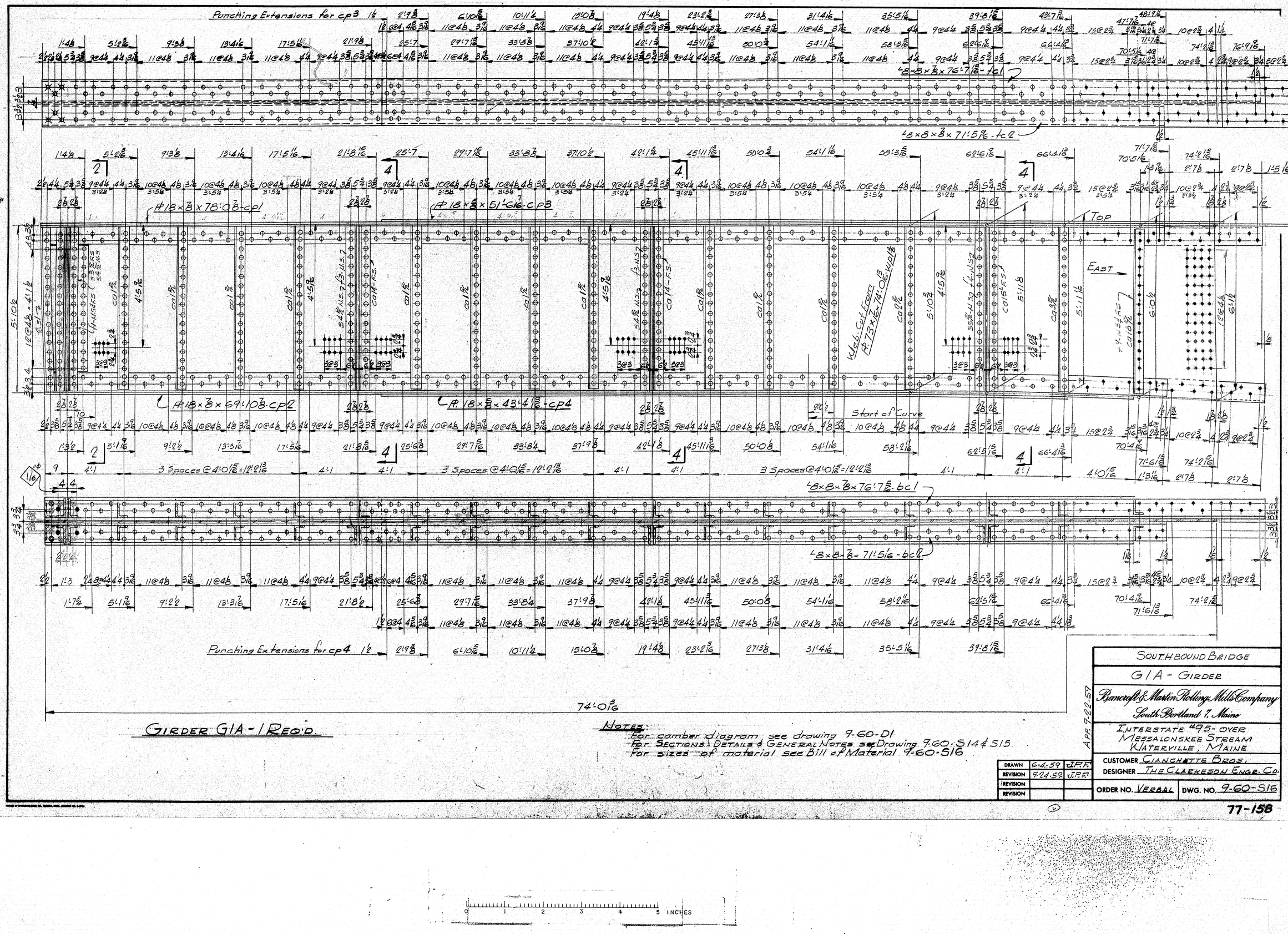
CUSTOMER Clairchette Bros.
DESIGNER The Clarkeson Engr'g Co.

DRAWN	6-22-59	J.P.F.
REVISION	9-24-59	J.P.F.
REVISION		
REVISION		

ORDER NO. VERBAL | DWG. NO. 9-60-S15

77-157





GIRDER G1A - 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-S16

DRAWN	6-4-59	J.P.F.
REVISION	7-24-59	J.P.F.
REVISION		
REVISION		

APP. 9-22-59

SOUTHBOUND BRIDGE

G1A - GIRDER

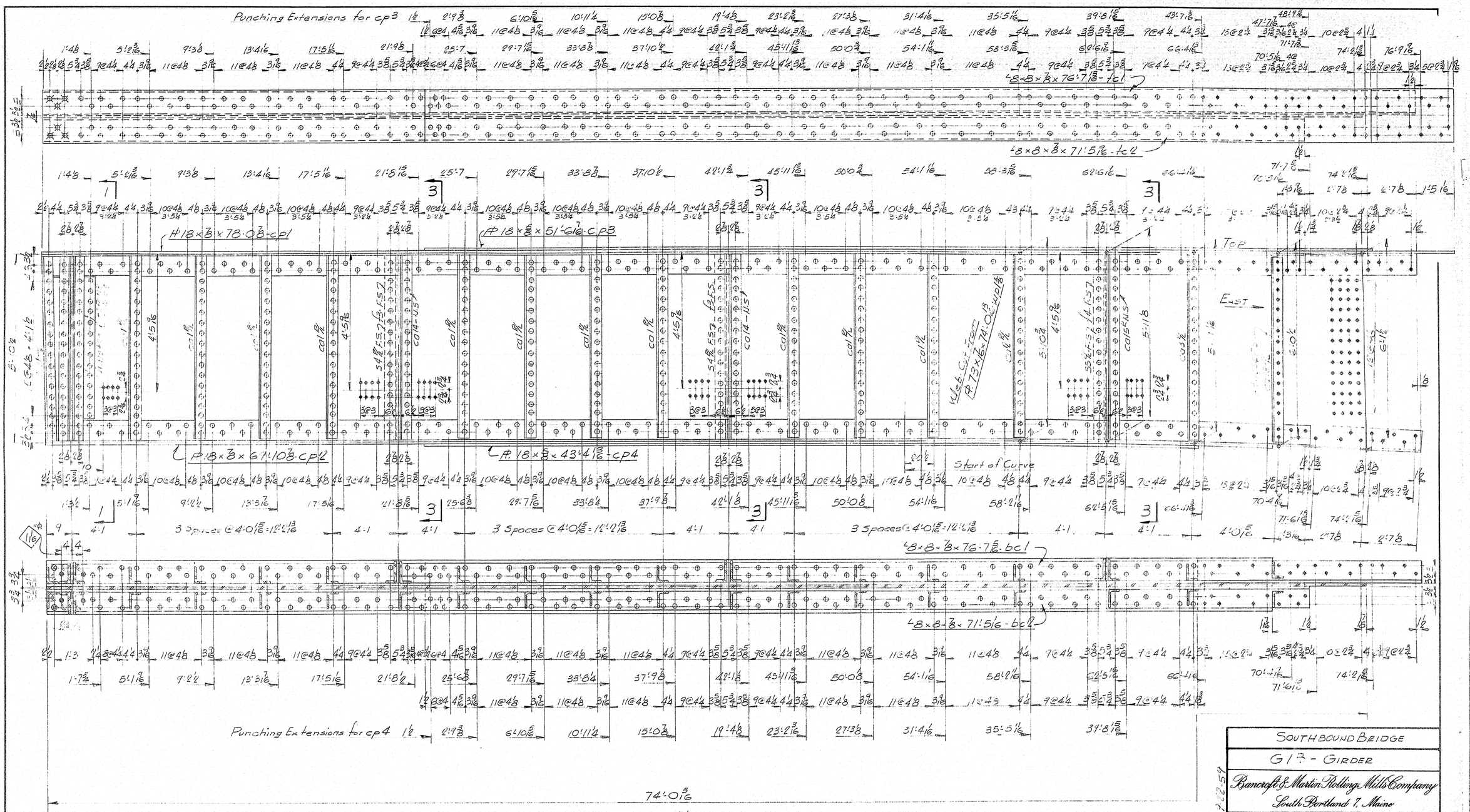
Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 - OVER
MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO.

ORDER NO. VERBAL | DWG. NO. 9-60-S16

77-158



GIRDER G1B - 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-S16

DRAWN	6-4-59	J.P.F.
REVISION	9-28-59	J.P.F.
REVISION		
REVISION		

SOUTHBOUND BRIDGE

G1? - GIRDER

Bancroft & Martin Rollings Mills Company
South Portland 7, Maine

INTERSTATE "95" OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

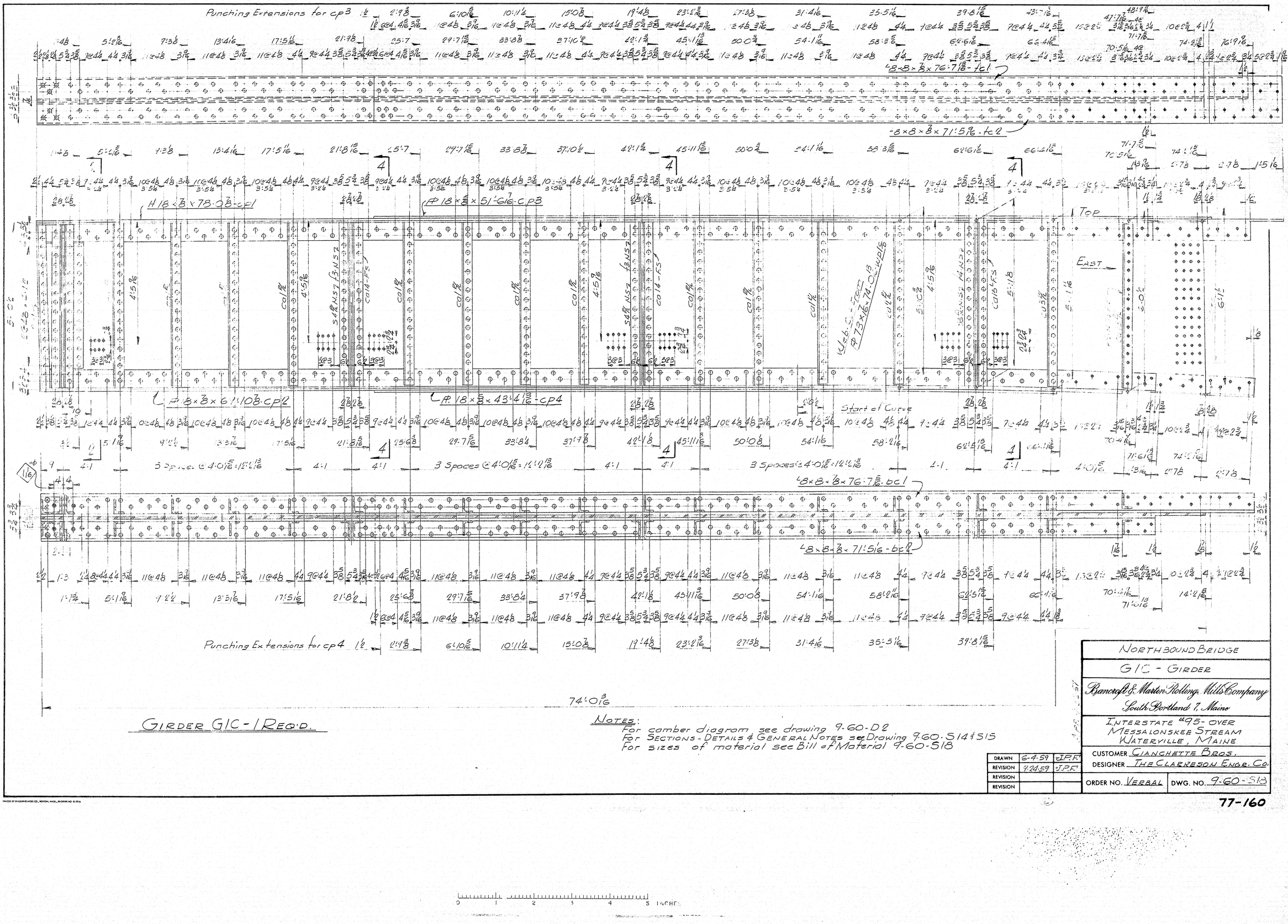
CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO.

ORDER NO. VERBAL | DWG. NO. 9-60-S17

APR 7 62 59

77-159

0 1 2 3 4 5 INCHES



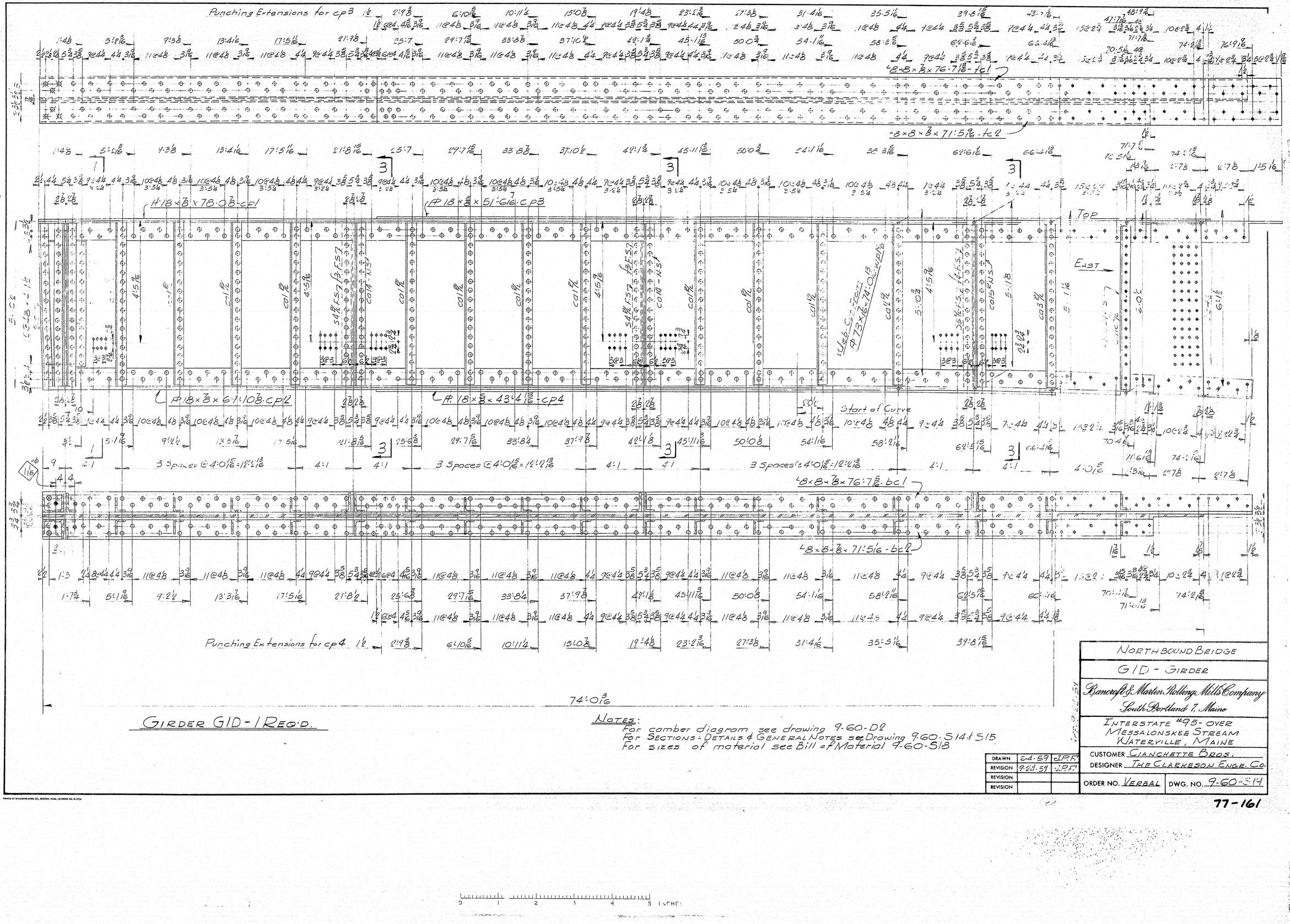
GIRDER G1C - 1 REQ'D.

NOTES:
For camber diagram, see drawing 9-60-D2
For Sections - Details & General Notes see Drawing 9-60-S14 & S15
For sizes of material see Bill of Material 9-60-S18

DRAWN	6-4-59	J.P.F.
REVISION	7-24-59	J.P.F.
REVISION		
REVISION		

NORTHBOUND BRIDGE
G1C - GIRDER
Bancroft & Martin Rolling Mills Company
South Portland 7, Maine
INTERSTATE "95" OVER MESSALONSKEE STREAM
WATERVILLE, MAINE
CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO.
ORDER NO. VERBAL | DWG. NO. 9-60-S13

77-160



NOTES:
For camber diagram see drawing 9-60-D2
For SECTIONS - DETAILS & GENERAL NOTES see Drawing 9-60-S14 & S15
For sizes of material see Bill of Material 9-60-S18

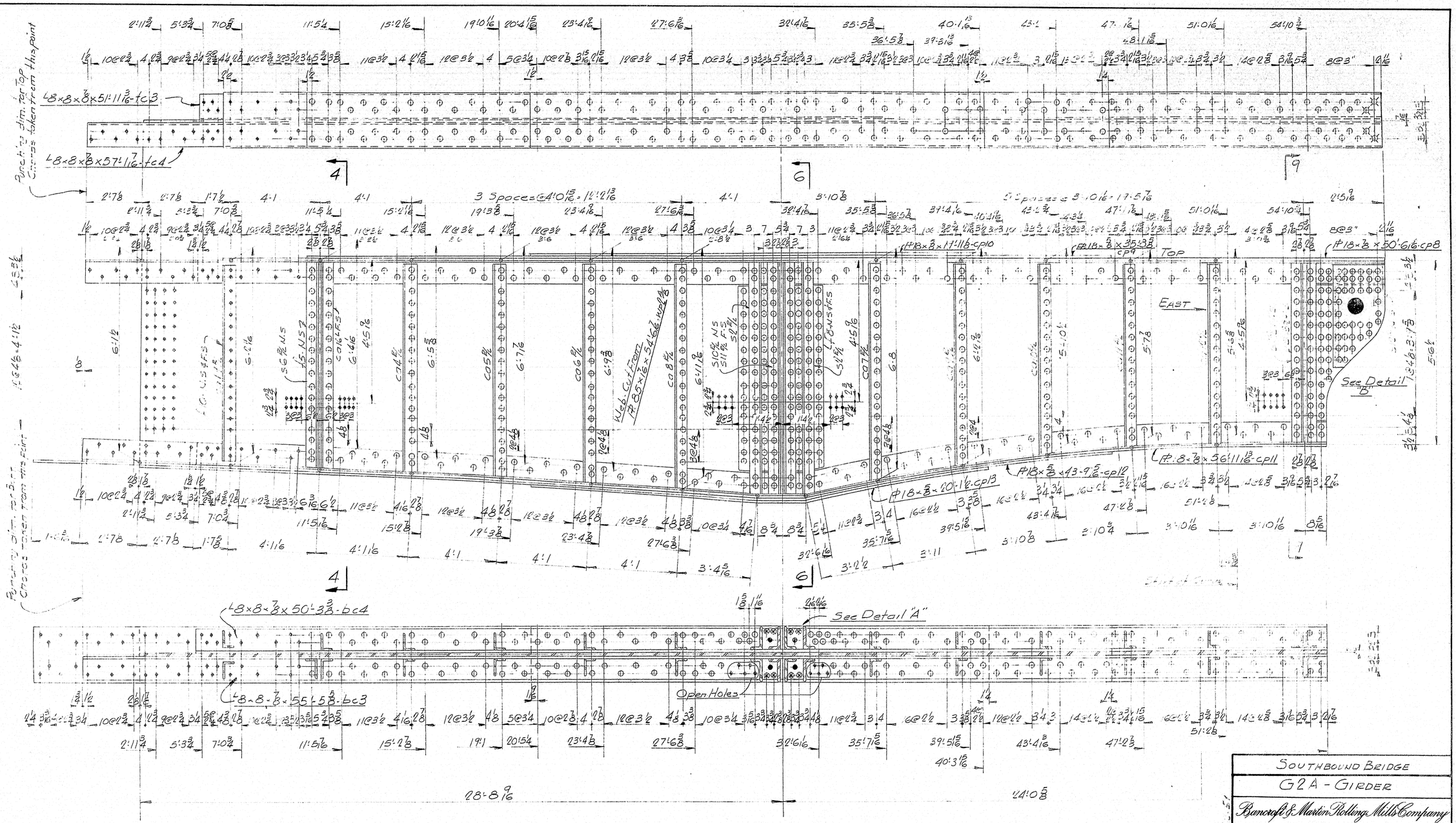
DRAWN	6-4-59	J.P.F.
REVISION	9-21-59	J.P.F.
REVISION		
REVISION		

NORTHBOUND BRIDGE
GID - GIRDER
Bancroft & Martin Rolling Mills Company
South Portland 7, Maine
INTERSTATE "95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE
CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO.
ORDER NO. VERBAL
DWG. NO. 9-60-S14

77-161

PRINTED BY SHAUGHNESSY-MORE CO., NORTON, MASS., WORKING NO. D-3926

0 1 2 3 4 5 INCHES



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	9-25-59	J.P.F.
REVISION		
REVISION		

SOUTHBOUND BRIDGE

G2A - GIRDER

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

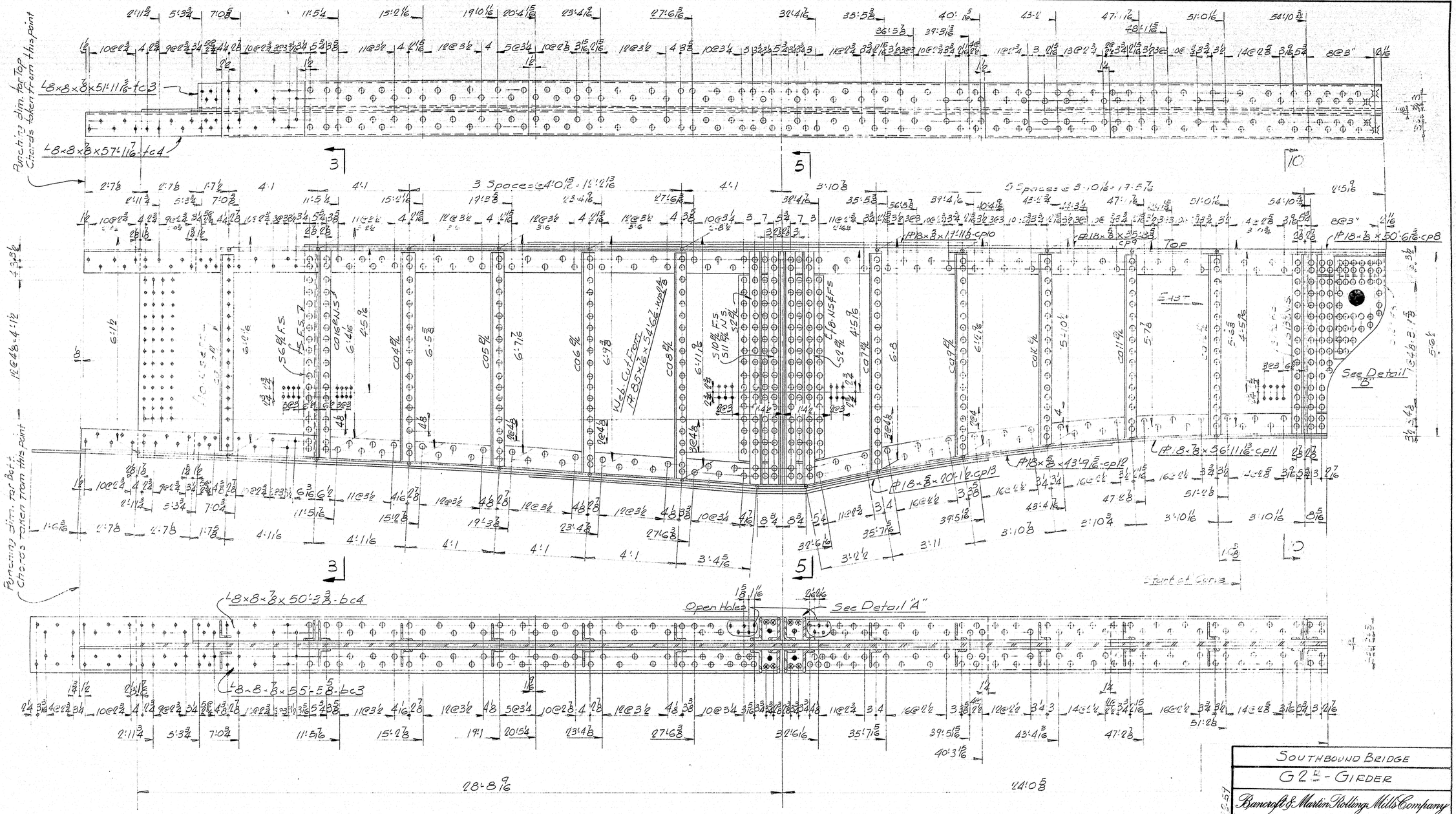
INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR CO.

ORDER NO. VERBAL | DWG. NO. 9-60-S20

77-162

0 1 2 3 4 5 INCHES



GIRDER G2B-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	9-25-59	J.P.F.
REVISION		
REVISION		

SOUTHBOUND BRIDGE

G2B - GIRDER

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

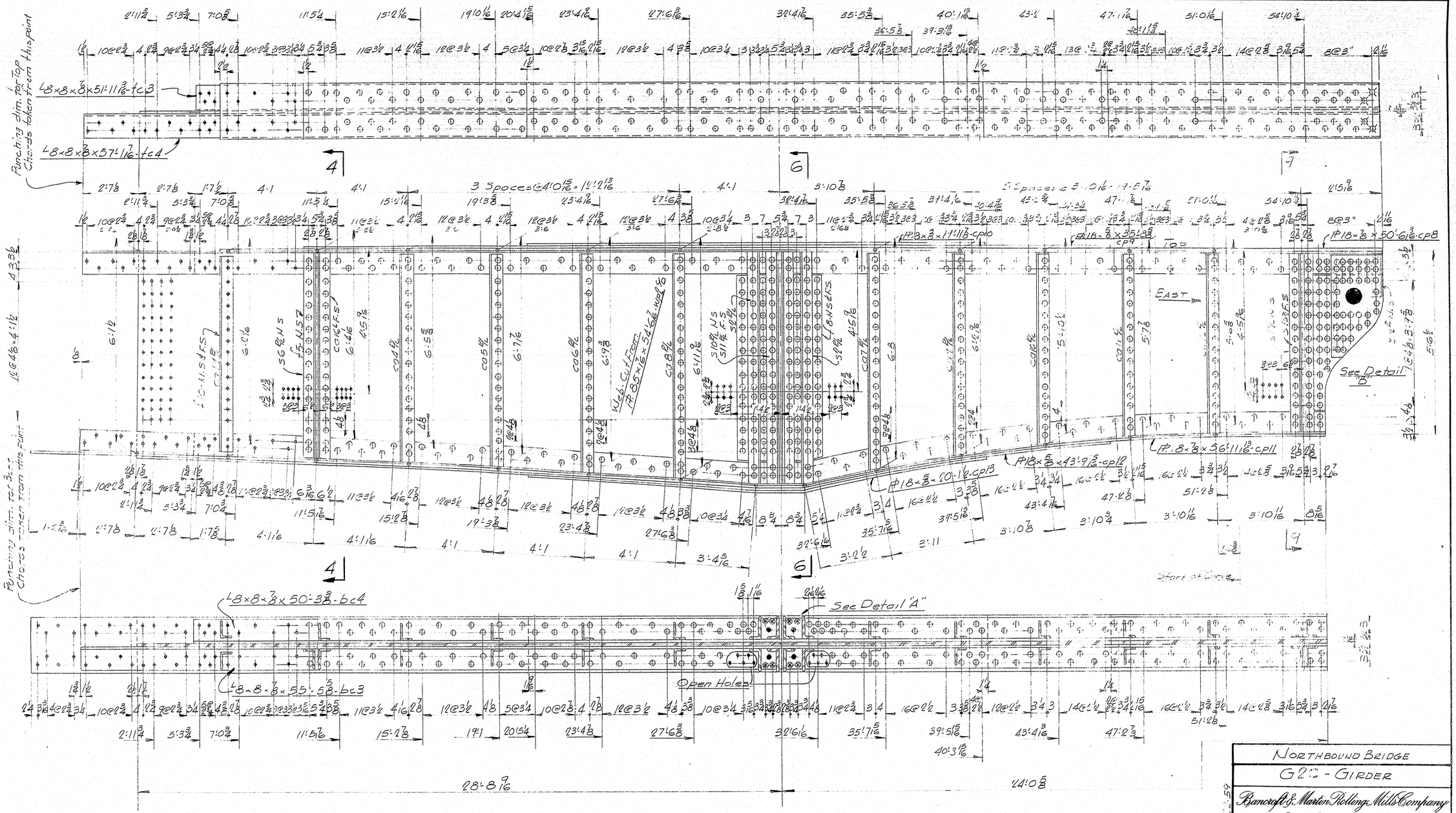
CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO.

ORDER NO. VERBAL | DWG. NO. 9-60-S21

APP. 1-25-60

77-163

PRINTED BY BRUNSWICK-HOME CO., NORTON, MASS., IN ORDER NO. D 1932



GIRDER G2C - 1 REQ'D

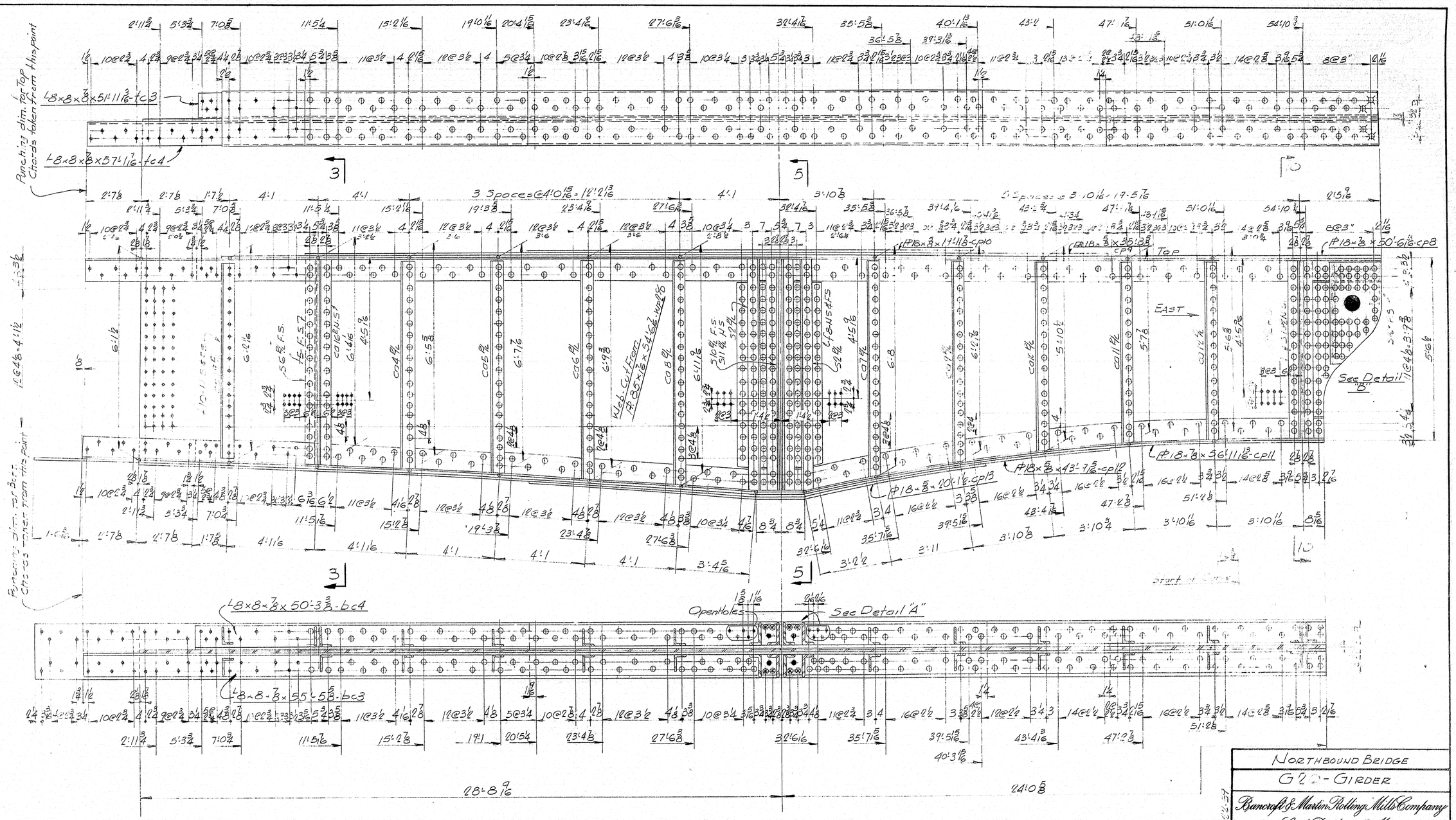
NOTES:
For camber diagram see Drawing 9.60-D2
For SECTIONS - DETAILS & GENERAL NOTES see Drawing 9.60-S14 & S15
For sizes of material see Bill of Material 9.60-S22

DRAWN	6-10-59	J.P.F.
REVISION	7-25-59	J.P.F.
REVISION		
REVISION		

NORTHBOUND BRIDGE
G2C - GIRDER
Bancroft & Martin Rollings Mills Company
South Portland 7, Maine
INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE
CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR CO.
ORDER NO. VERBAL
DWG. NO. 9-60-S12

77-164

0 1 2 3 4 5 INCHES



GIRDER G2D-1 REQ'D

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

DRAWN	6-10-59	J.P.F.
REVISION	7-26-59	J.P.F.
REVISION		
REVISION		

NORTHBOUND BRIDGE

G2D - GIRDER

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

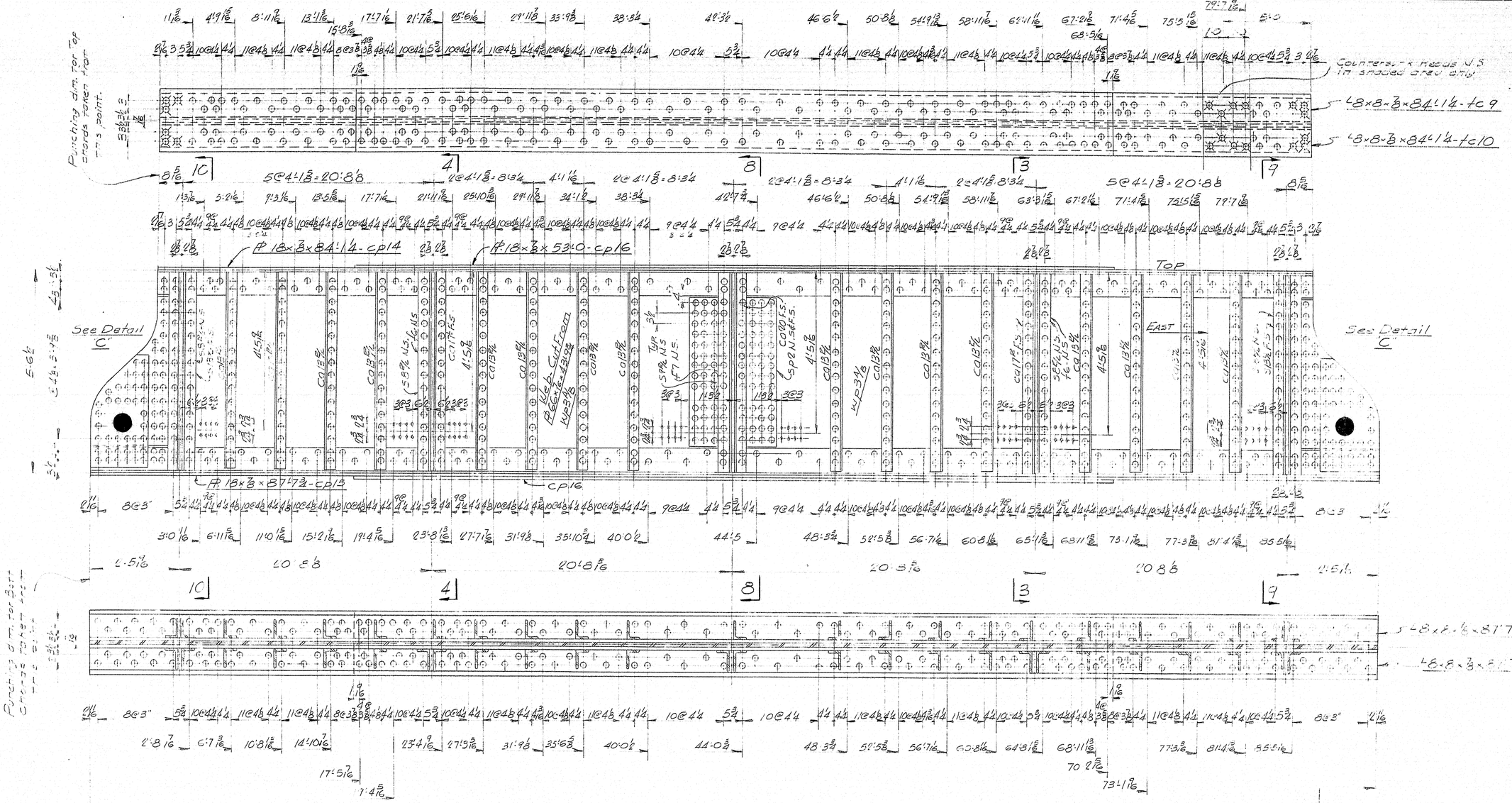
CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR CO.

ORDER NO. VERBAL | DWG. NO. 9-60-S23

APP'D 8-26-59

77-165

PRINTED BY SHADOMO HOSE CO., BOSTON, MASS., IN ORDER NO. G-2916



GIRDER G3A - 1 REQ'D

NOTES:
For camber diagram see Drawing 9-60-D1
For SECTIONS · DETAILS & GENERAL NOTES see Drawings 9-60-S14 & S15
For sizes of material see Bill of Material 9-60-S24

SOUTHBOUND BRIDGE

G3A - GIRDER

Bancroft & Morton Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR CO

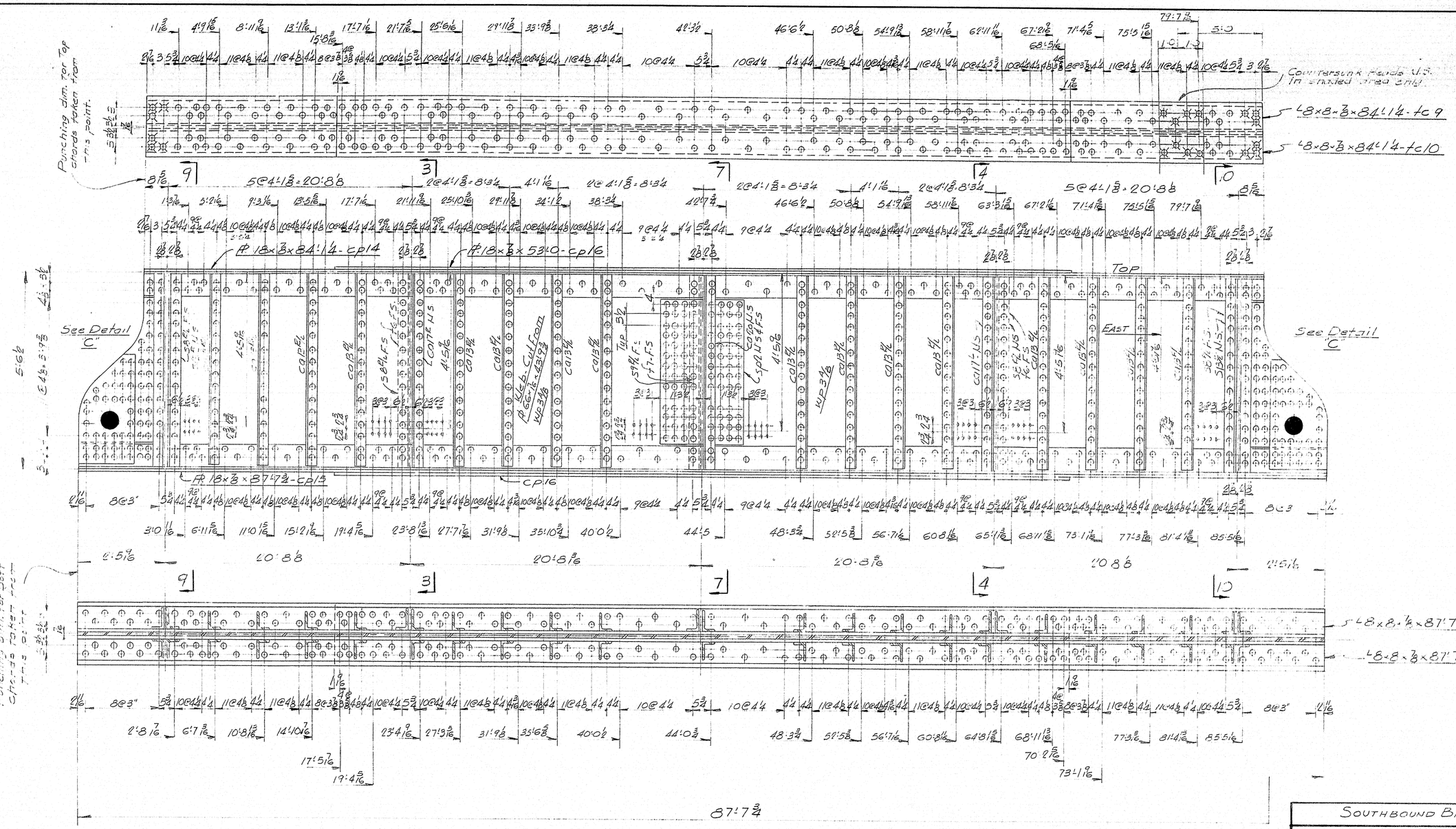
ORDER NO. VERBAL | DWG. NO. 9-60-S24

DRAWN	6-17-59	J.P.F.
REVISION	7-30-59	J.P.F.
REVISION		
REVISION		

77-166

PRINTED BY STANDISH-HAYES CO., BOSTON, MASS., IN-ORDER NO. G-3731

0 1 2 3 4 5 INCHES



GIRDER G3B-1 REQ'D

NOTES:

For camber diagram see Drawing 9-60-D1
For SECTIONS-DETAILS & GENERAL NOTES see Drawings 9-60-S14 & S15
For sizes of material see Bill of Material 9-60-S24

DRAWN	6-17-59	J.P.F.
REVISION	2-20-59	J.P.F.
REVISION		
REVISION		

SOUTHBOUND BRIDGE

G3B-GIRDER

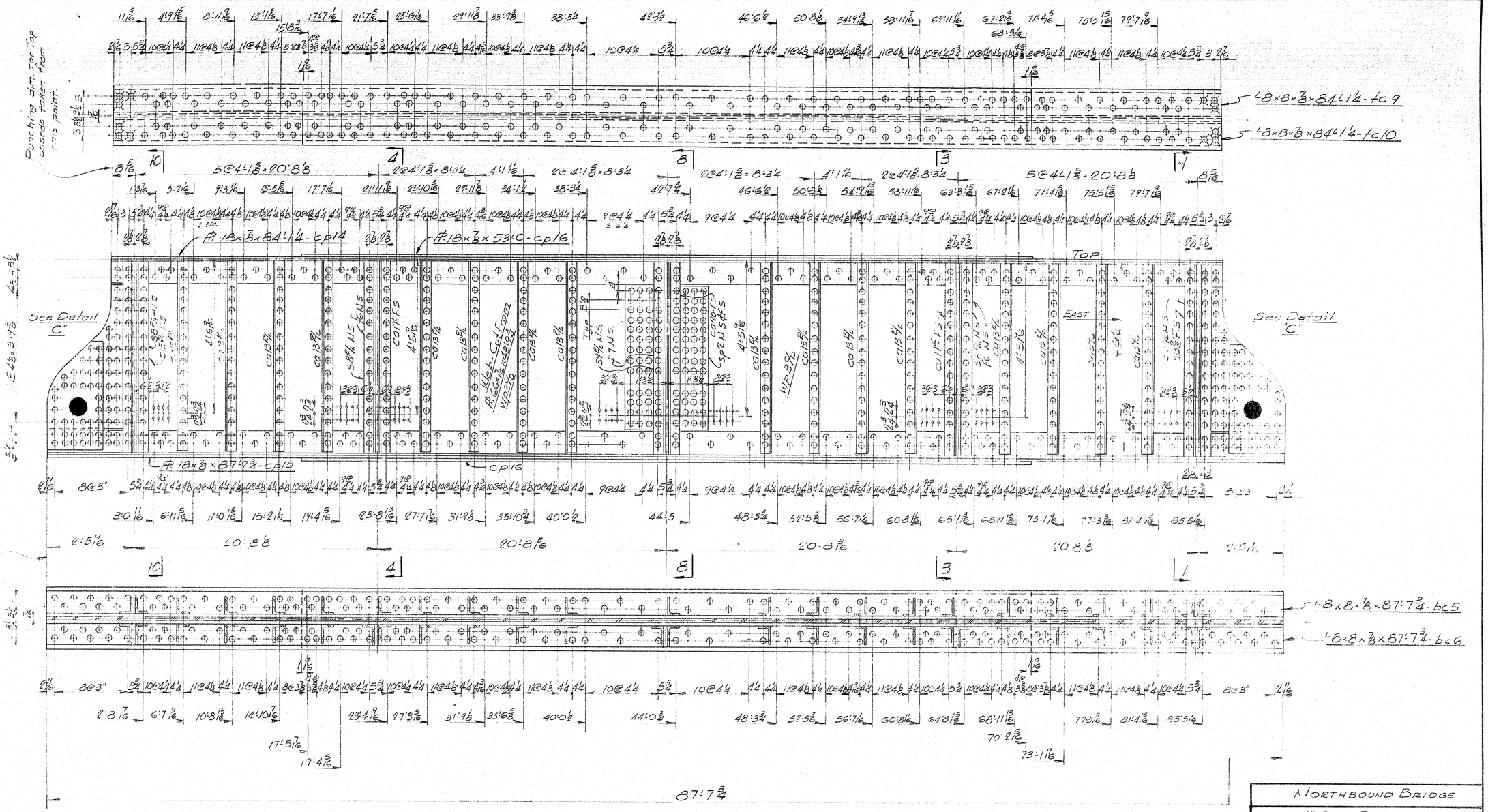
Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR CO

ORDER NO. VERBAL | DWG. NO. 9-60-S25

77-167



GIRDER G3C-1 REQ'D

NOTES:

For camber 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

DRAWN	6-17-59	J.P.F.
REVISION	9-30-59	J.P.F.
REVISION		
REVISION		

NORTHBOUND BRIDGE

G3C-GIRDER

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

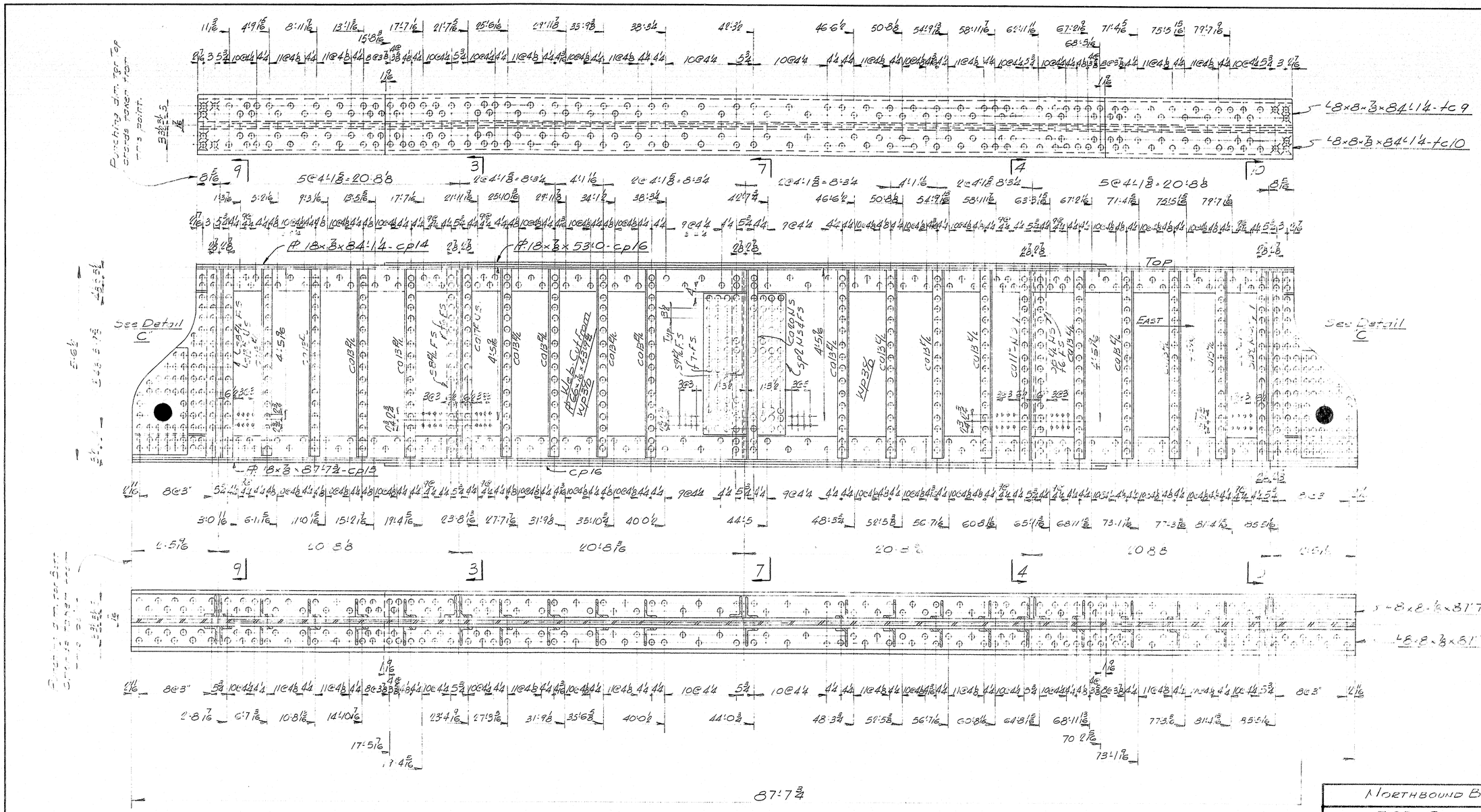
INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

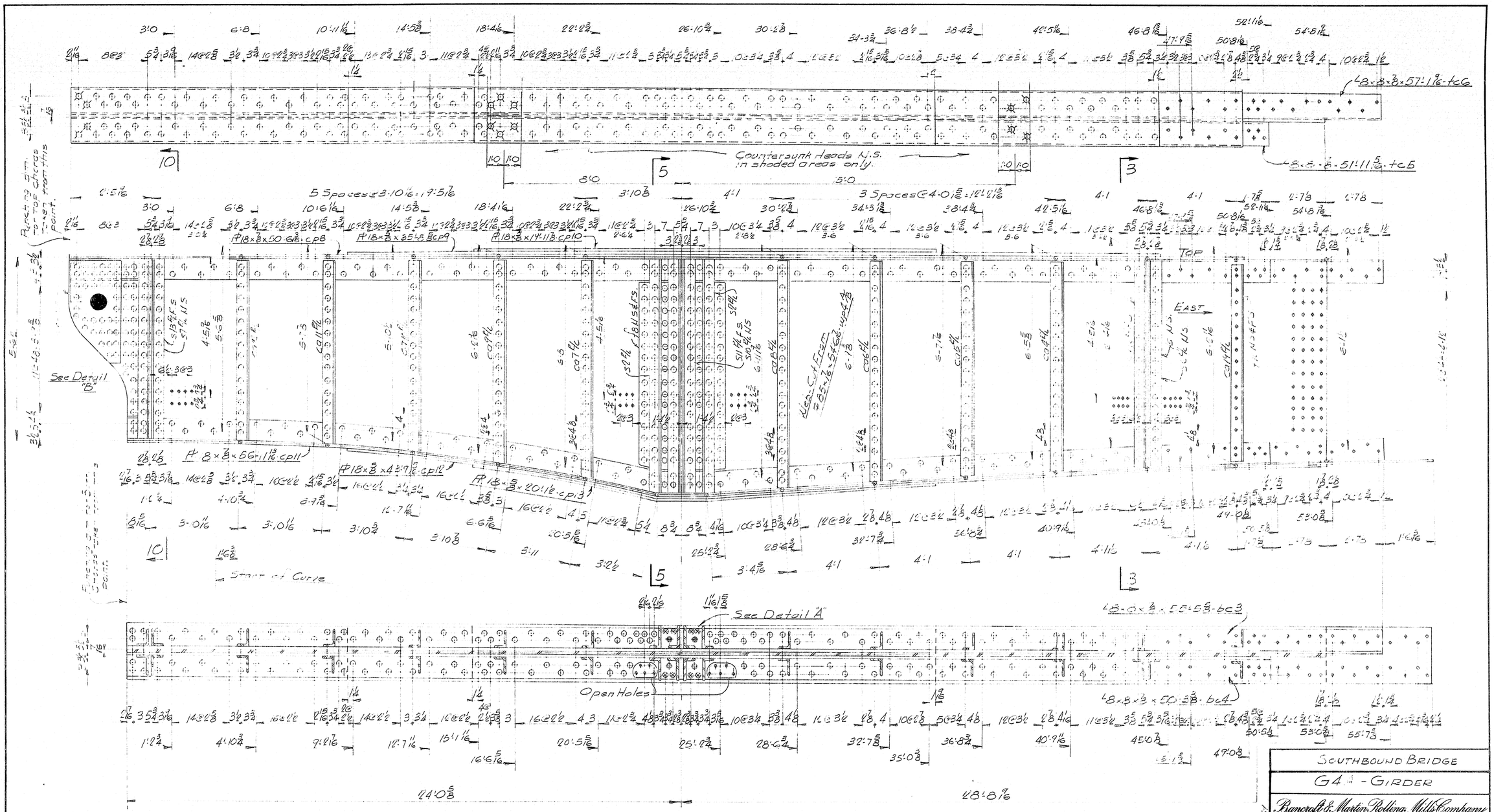
CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO.

ORDER NO. VERBAL | DWG. NO. 9-60-S26

77-168

0 1 2 3 4 5 INCHES


Bunching dim. for top chords taken from this point.
9
3
7
4
1
5@4'-1⅞"=20'-8⅞"
4'-1⅛"
5@4'-1⅞"=20'-8⅞"
L8×8×⅞×84'-1/4-fc9
L8×8×⅞×84'-1/4-fc10
PL 18×⅞×84'-1/4-cp14
PL 18×⅞×53'-0-cp16
PL 18×⅞×87'-7¾-cp15
cp16
Top
East
See Detail C
See Detail C
Web Cut from W36×194
W36×135
W36×150
W36×160
W36×182
W36×230
W36×256
W36×280
W36×300
W36×361
W36×393
W36×441
W36×487
W36×529
W36×652
W36×723
W36×798
W36×848
W36×925
W36×1008
W36×1150
W36×1256
W36×1361
W36×1439
W36×1527
W36×1652
W36×1734
W36×1848
W36×1941
W36×2041
W36×2160
W36×2281
W36×2393
W36×2521
W36×2652
W36×2783
W36×2914
W36×3045
W36×3177
W36×3308
W36×3439
W36×3570
W36×3702
W36×3833
W36×3964
W36×4095
W36×4227
W36×4358
W36×4489
W36×4620
W36×4752
W36×4883
W36×5014
W36×5145
W36×5277
W36×5408
W36×5539
W36×5670
W36×5802
W36×5933
W36×6064
W36×6195
W36×6327
W36×6458
W36×6589
W36×6720
W36×6852
W36×6983
W36×7114
W36×7245
W36×7377
W36×7508
W36×7639
W36×7770



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	JPP
REVISION	7-31-59	JPP
REVISION		
REVISION		

SOUTHBOUND BRIDGE

G4A - GIRDER

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

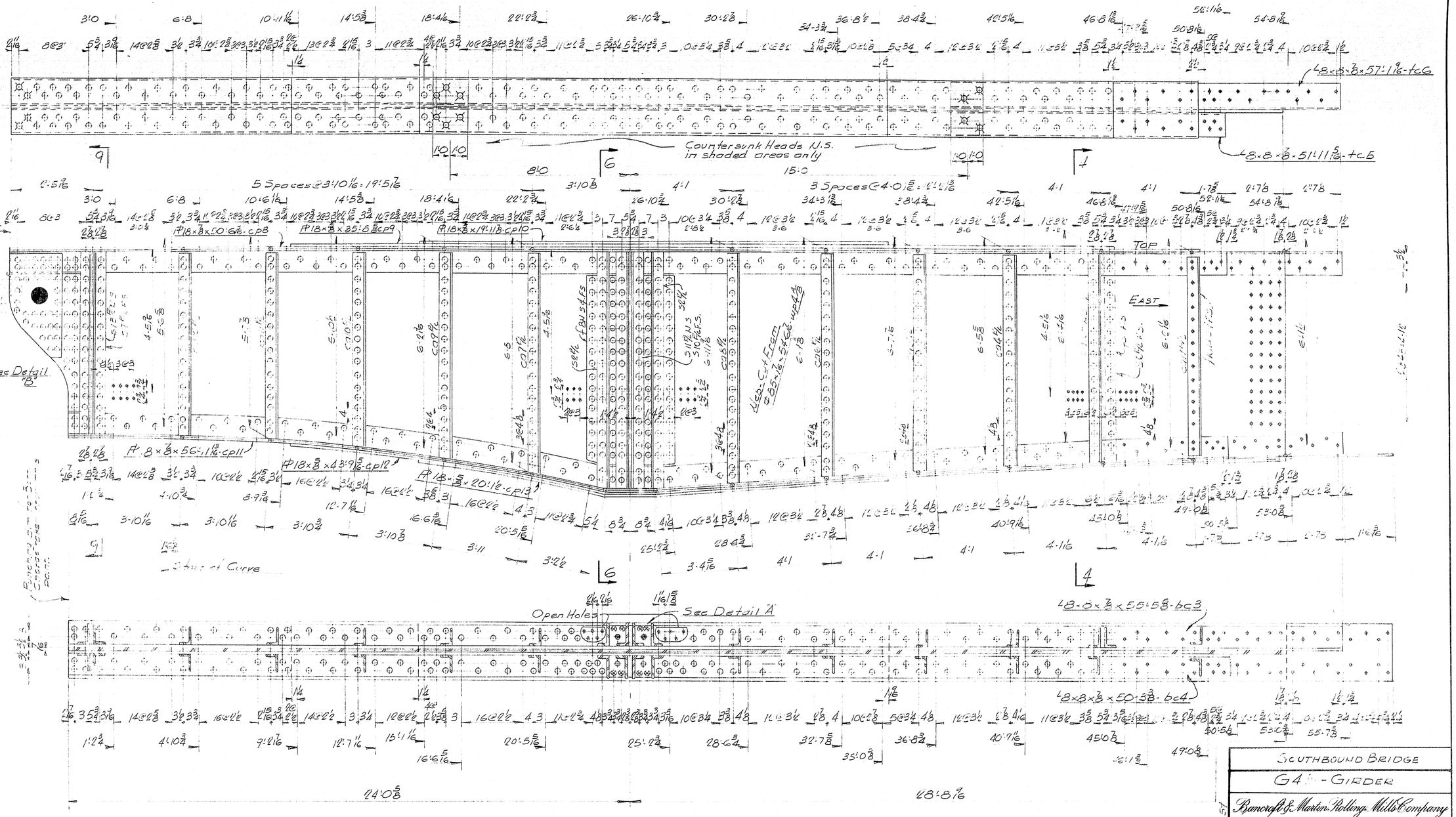
INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO.

ORDER NO. VERBAL | DWG. NO. 9-60-S13

77-170

PRINTED BY SHAWMUT-HOSE CO., BOSTON, MASS., IN UNION NO. D-3934



GIRDER G4B - 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	J.P.F.
REVISION		
REVISION		
REVISION		

SOUTHBOUND BRIDGE

G4[illegible] - GIRDER

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

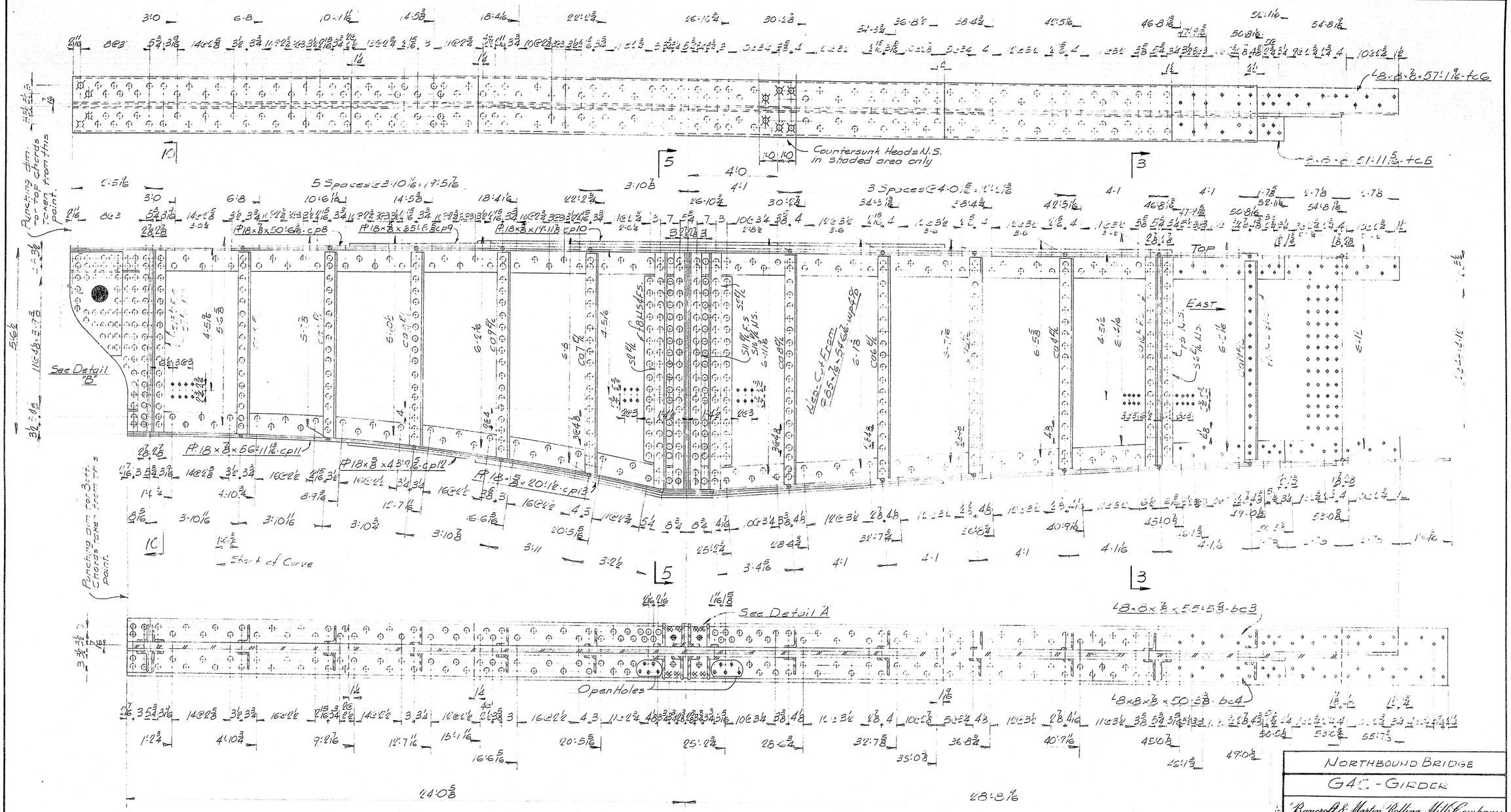
INTERSTATE #95 - OVER
MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO.

ORDER NO. VERBAL | DWG. NO. 9-60-S[illegible]

77-171

PRINTED BY SHAWMUT-HOUSE CO., BOSTON, MASS. PB ORDER NO. 0-3934



GIRDER G4C - 1 REQ'D

NOTES:

For camber diagram see Drawing 9-60-D2
For SECTIONS - DETAILS & GENERAL NOTES see Drawing 9-60-S14 & S15
For sizes of material see Bill of Material 9-60-S30

DRAWN	6-11-59	JPH
REVISION	7-20-59	JEF
REVISION		
REVISION		

NORTHBOUND BRIDGE

G4C - GIRDER

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

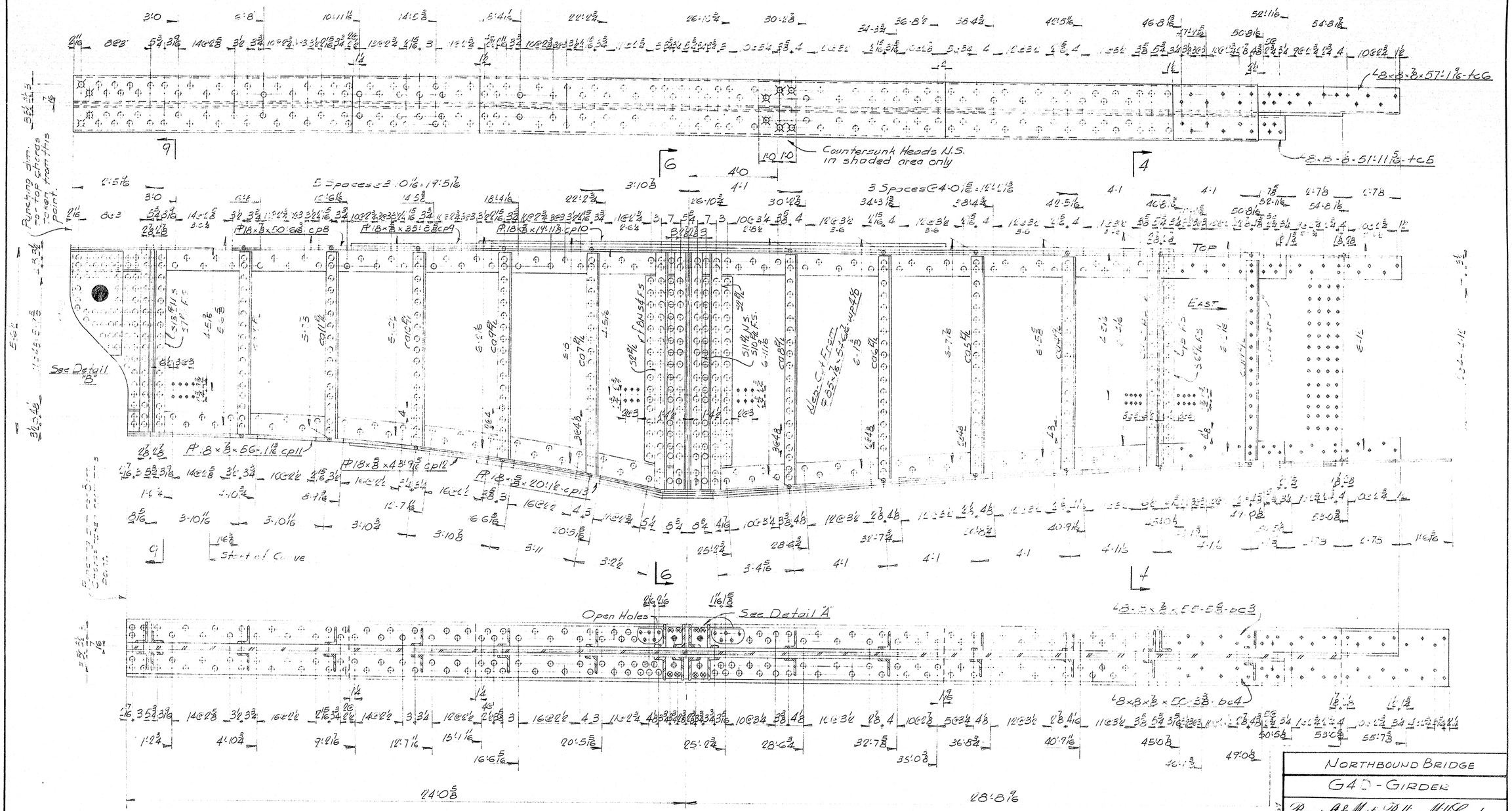
INTERSTATE #95 - OVER
MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER GIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO.

ORDER NO. VERBAL | DWG. NO. 9-60-S30

77-172

PRINTED BY SANBORN-MOSS CO., BOSTON, MASS., PLORDER NO. 12-3934



NOTES:

For camber diagram see Drawing 9-60-D2
For Sections-Details & General Notes see Drawing 9-60-S14 & S15
For sizes of material see Bill of Material 9-60-S30

DRAWN	6-11-57	J.P.F.
REVISION	9-6-57	J.P.F.
REVISION		
REVISION		

NORTHBOUND BRIDGE

G4D-GIRDER

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95-OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER Cianchette Bros.
DESIGNER The Clarkeson Engr. Co.

ORDER NO. Verbal | DWG. NO. 9-60-S31

77-173

Punching Dim. for cpl taken from this point

Punching Dim for Top Chords taken from this point

Punching Dim. for Bott. Chords taken from this point

Web cut from #73×16×74'0 3/16 - W25B

Start of Curve

L8×8×⅞×71'-5 1/16 - bc2

L8×8×⅞×76'-7 1/16 - bc1

74'-0 3/16

GIRDER G5A - 1 REQ'D.

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-S31

DRAWN	6-5-59	J.P.F.
REVISION	1-25-59	J.P.F.
REVISION		
REVISION		

SOUTHBOUND BRIDGE

G5A - GIRDER

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE # 95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO.

ORDER NO. VERBAL | DWG. NO. 9-60-S32

77-174

PRINTED BY SHUMWAY-HOWE CO., BOSTON, MASS., BLUEPRINT NO. G-3732

Punching Dim for cp1 taken from this point

Punching Dim for Top Chords taken from this point

Punching Dim for Bott. Chords taken from this point

L8×8×⅞×71'-4⅞"-tc8

L8×8×⅞×76'-7 7/16"-tc7

PL 18×⅞×51'-6⅞"-cp7

PL 18×⅞×78'-0¼-cp6

TOP

EAST

Web cut from PL 73"×7/16"-ws3A

PL 18×⅞×43'-4 13/16"-cp4

PL 18-⅞×61'-10⅞"-cp5

Start of Curve

L8×8×⅞×71'-5⅛"-bc2

L8×8×⅞×76'-7 7/16"-bc1

35 spaces @ 4'-0 1/16" = 12'-0 1/8"

3 Spaces @ 4'-0 1/16" = 12'-0 1/8"

74'-0 3/16"

GIRDER G5B - 1 REQ'D.

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

SOUTHBOUND BRIDGE

G5B - GIRDER

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS.

DESIGNER THE CLARKESON ENGR. CO.

ORDER NO. VERBAL | DWG. NO. 9-60-S33

77-175

PRINTED BY SPAULDING-MOSS CO., BOSTON, MASS., PLANNER NO. D-3126

Punching Dim. for cpf taken from this point

Punching Dim. for Top Chords taken from this point

L8×8×⅞×71-4⅞-tc2

L8-8-⅞×76-7⅛-tc1

Countersunk Heads N.S. in shaded area only

L8×8×⅞×76-7⅛-bc1

L8×8-⅞×71-5⅛-bc2

PL18×⅝×51-6⅞-cp3

PL18-⅝-43-4⅜-cp4

PL 18×⅝×51-6⅞-cp5

Top

East

Start of Curve

74:0³⁄₁₆

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	6-5-59	J.P.F.
REVISION	7-24-59	T.H.C.
REVISION		
REVISION		

NORTHBOUND BRIDGE

G5C - GIRDER

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE # 95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO.

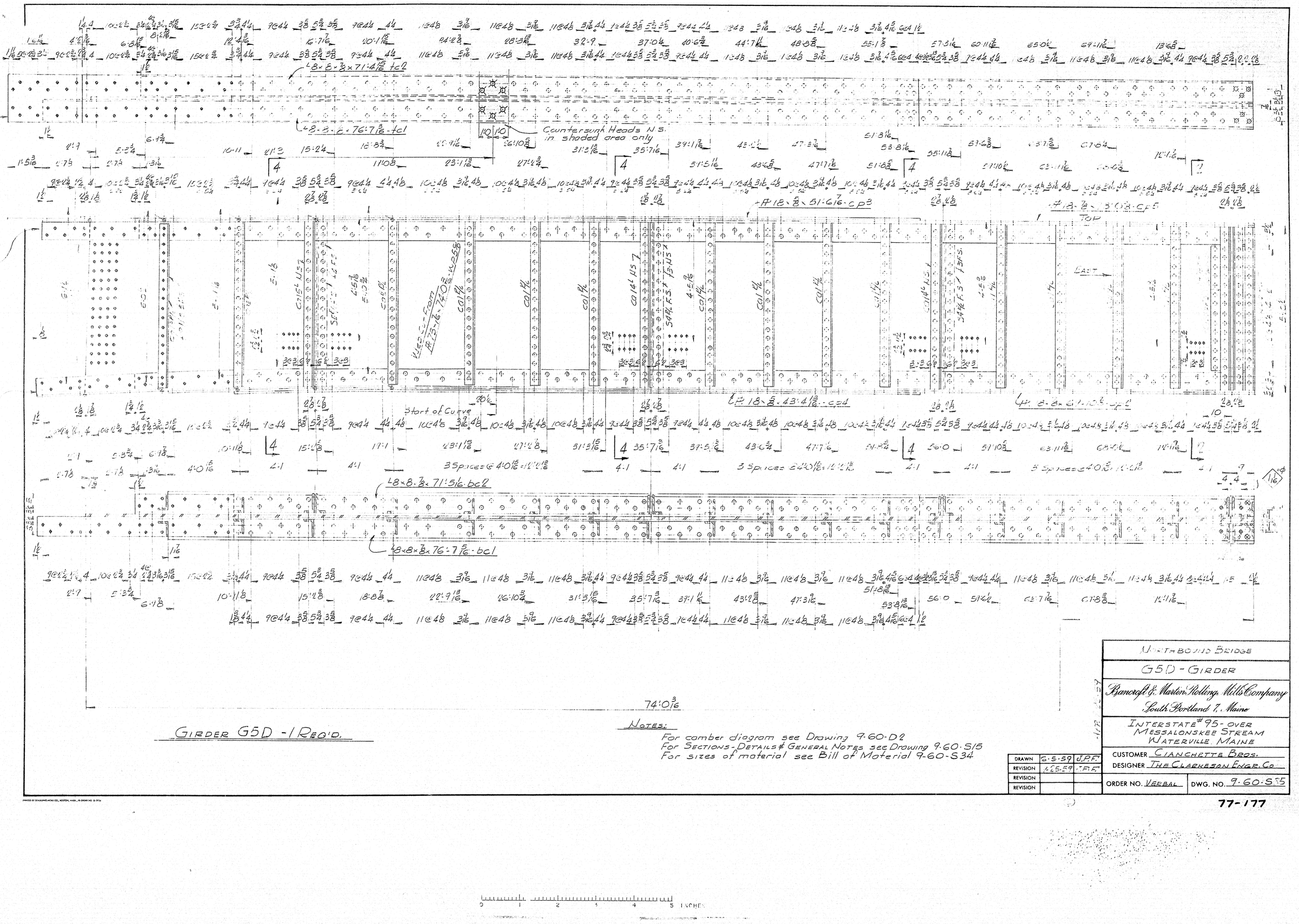
ORDER NO. VERBAL | DWG. NO. 9-60-S21

77-176

0 1 2 3 4 5 INCHE

Direct ry Dim. for Cp4 (taken from this point

Direct'y Dim. for Templates (taken from this point



GIRDER G5D -1 REQ'D.

74'-0 3/16"

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

NORTHBOUND BRIDGE

G5D - GIRDER

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE MAINE

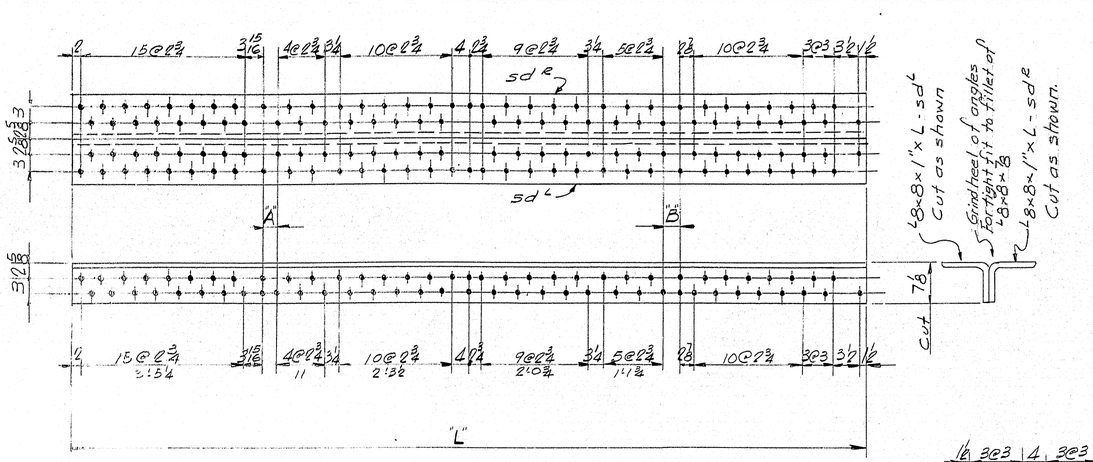
CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO.

ORDER NO. VERBAL | DWG. NO. 9.60-S35

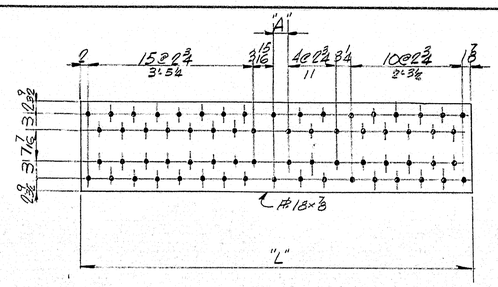
DRAWN	6-5-59	J.P.F.
REVISION	7-15-59	J.P.F.
REVISION		
REVISION		

77-177

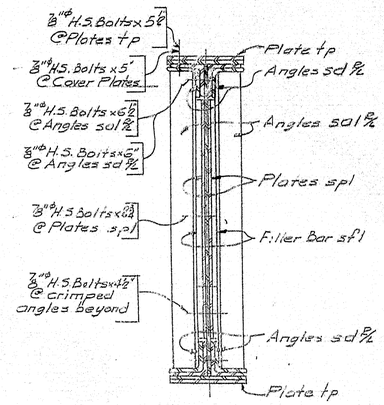
0 1 2 3 4 5 INCHES



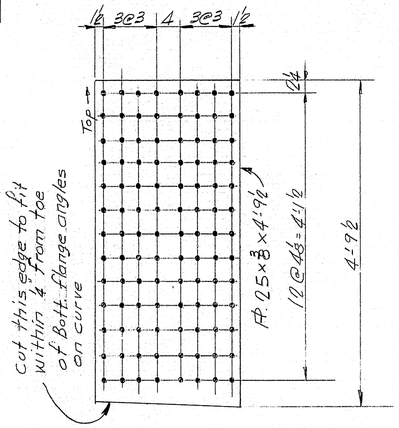
"A"	"B"	"L"	MARK	No.	LOCATION
3 1/16	4 ¼	15'9⅞	s1d½	8	TOP-SPLICE #1-LINES A-B-C & D
2 15/16	4 3/8	15'9⅞	s2d½	4	TOP-SPLICE #4-LINES A & B
3 1/16	4 3/8	15'9¼	s3d½	4	TOP-SPLICE #4-LINES C & D
3 3/16	4 3/8	15'9⅜	s4d½	16	BOTT-SPLICE #1 & 4-LINES A-B-C & D



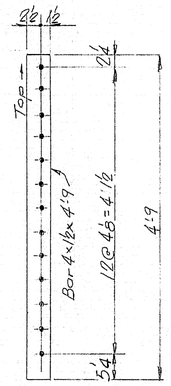
"A"	"L"	MARK	No.	LOCATION
3 1/16	7'10⅛	tp3	8	BOTT-SPLICE #1 & 4-LINES A-B-C & D



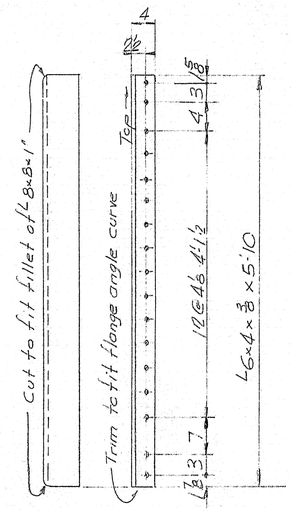
SECTION THROUGH BOLTED SPLICE



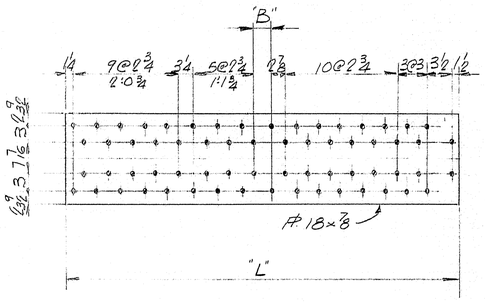
sp1 - 16 Req'd



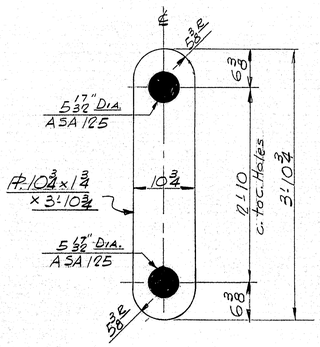
sf1 - 16 Req'd



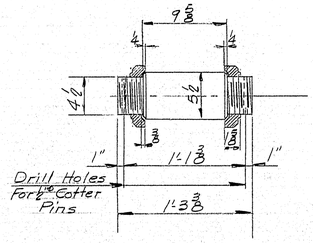
sa1R. 8 Req'd - As Shown
sa1L - 8 Req'd - Opp. Hand



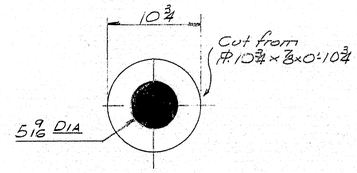
"B"	"L"	MARK	No.	LOCATION
4 ¼	7'7⅜	tp1	4	TOP-SPLICE #1-LINES A-B-C & D
4 3/8	7'7¾	tp2	4	TOP-SPLICE #4-LINES A-B-C & D



pc1 - 16 Req'd.



PIN DETAIL
16 Req'd



pc2 - 32 Req'd

FOR SECTION THROUGH PIN CONNECTION SEE DWG. 9.60.515

NOTES:

See 'General Notes' Dwg 9-60-515

APP. 9-22-59

FIELD SPLICE-COMPONENT DETAILS

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

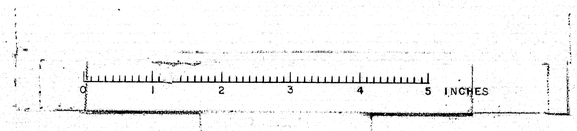
INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE.

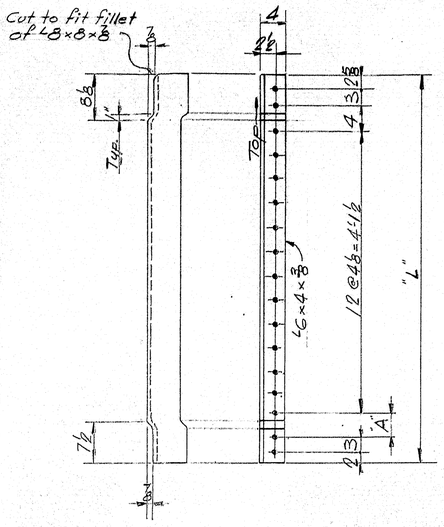
CUSTOMER Gianchette Bros.
DESIGNER The Clarkeson Engr. Co.

DRAWN	6.24.59	J.P.F.
REVISION	9.30.59	J.P.F.
REVISION		
REVISION		

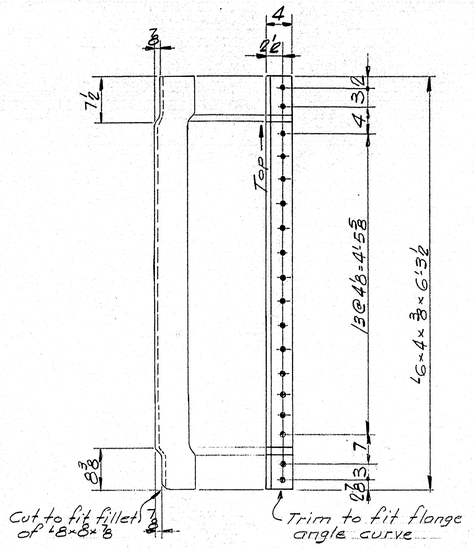
ORDER NO. Verbal
DWG. NO. 9-60-536

77-178

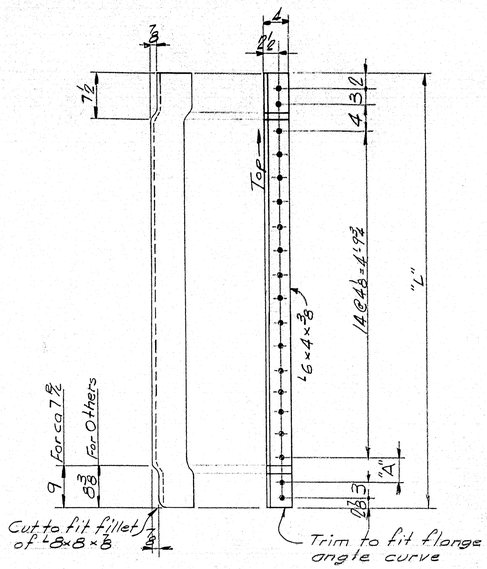




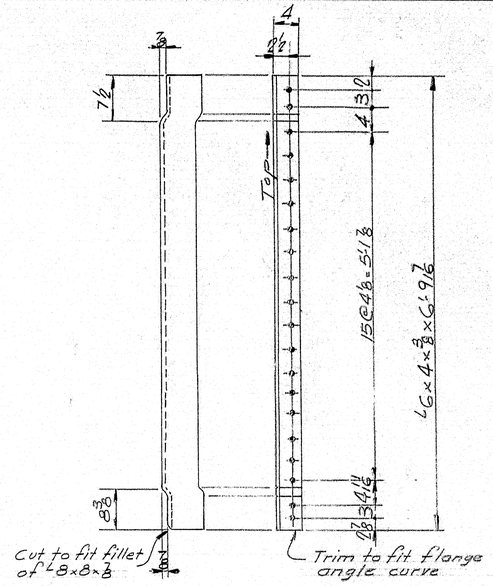
"A"	"L"	No.	MARK	NOTES
4	5'8⅛	88	col^{R}	As Shown
		88	col^{L}	Opp. Hand
4¼	5'8⅜	8	col^{R}	As Shown
		8	col^{L}	Opp. Hand
5 3/16	5'9 5/16	8	ca3^{R}	As Shown
		8	ca3^{L}	Opp. Hand



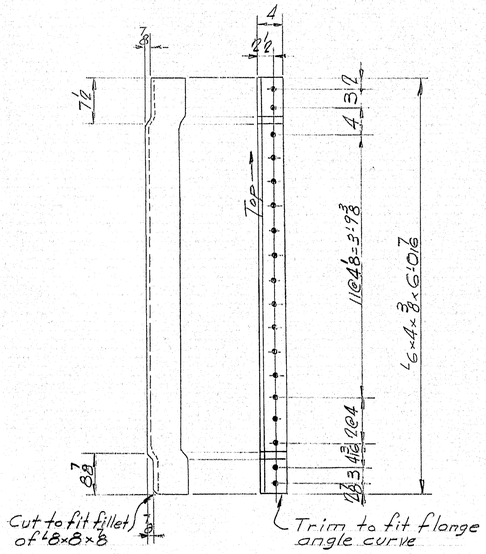
ca4^{R} - 8 Req'd. - As Shown
ca4^{L} - 8 Req'd. - Opp. Hand



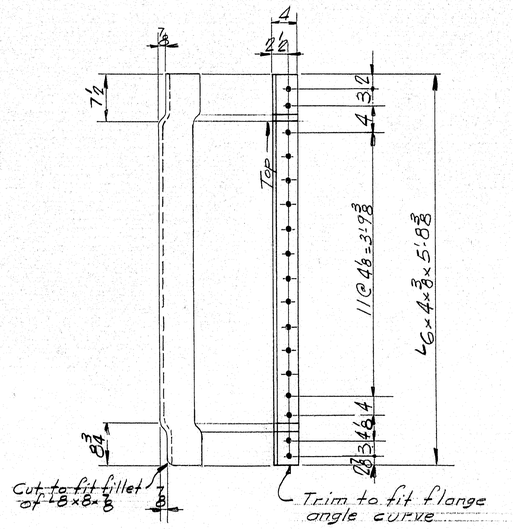
"A"	"L"	No.	MARK	NOTES
4 1/16	6'5 5/16	8	ca5^{R}	As Shown
		8	ca5^{L}	Opp. Hand
6 5/8	6'7¼	8	ca6^{R}	As Shown
		8	ca6^{L}	Opp. Hand
5¼	6'5 7/8	8	ca7^{R}	As Shown
		8	ca7^{L}	Opp. Hand



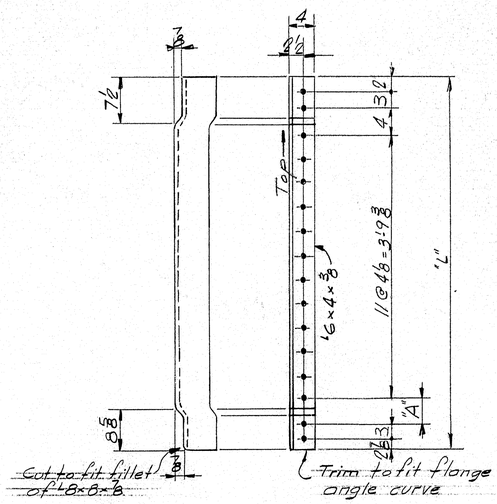
ca8^{R} - 8 Req'd. - As Shown
ca8^{L} - 8 Req'd. - Opp. Hand



ca9^{R} - 8 Req'd. - As Shown
ca9^{L} - 8 Req'd. - Opp. Hand.



ca10^{R} - 8 Req'd. - As Shown.
ca10^{L} - 8 Req'd. - Opp. Hand.



"A"	"L"	No.	MARK	NOTES
5½	5'5 3/4	8	col2^{R}	As Shown
		8	col2^{L}	Opp. Hand
4¼	5'4½	8	col2^{R}	As Shown.
		8	col2^{L}	Opp. Hand

NOTES:

See 'GENERAL NOTES' Dwg. 9-60-515

CRIMPED ANGLE DETAILS

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

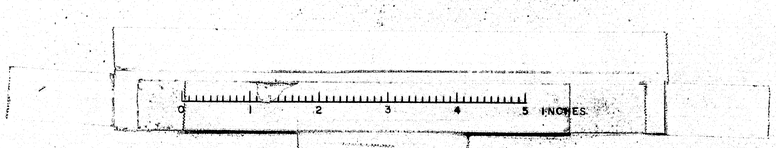
CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO.

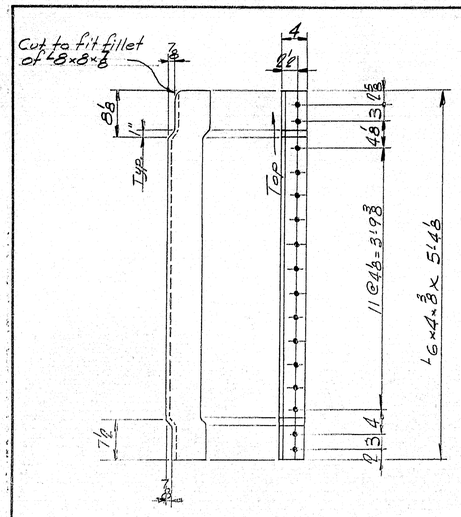
ORDER NO. VERBAL | DWG. NO. 9-60-537

APP. 9-22-59

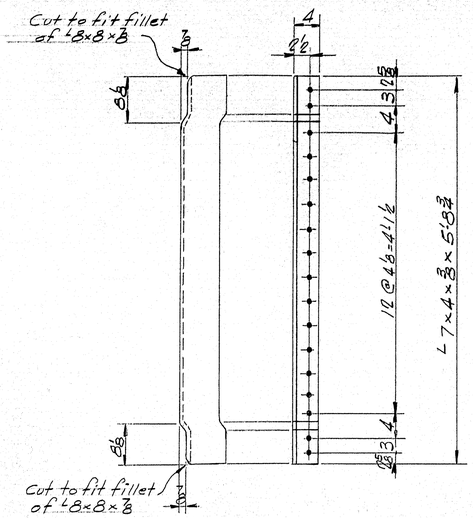
DRAWN	6-25-59	J.P.F.
REVISION	9-28-59	J.P.F.
REVISION		
REVISION		

77-179

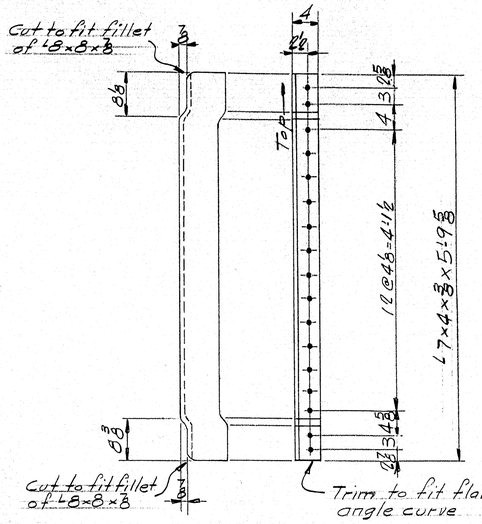




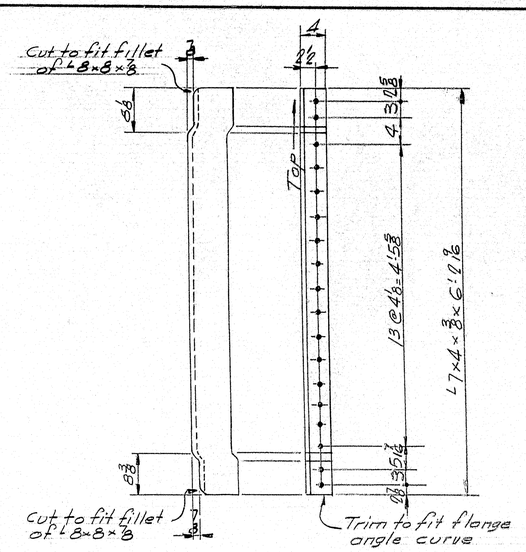
ca 13R - 64 Req'd. As Shown.
ca 13L - 64 Req'd. Opp. Hand.



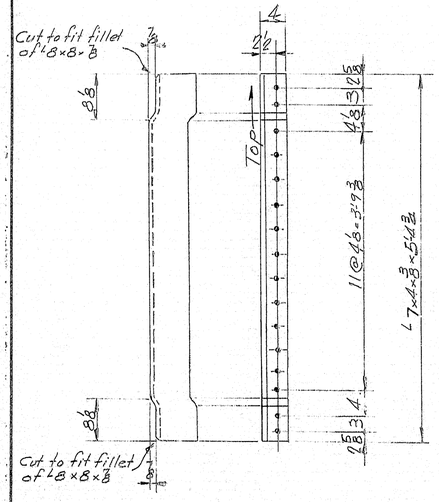
ca 14 - 16 Req'd. - As Shown.



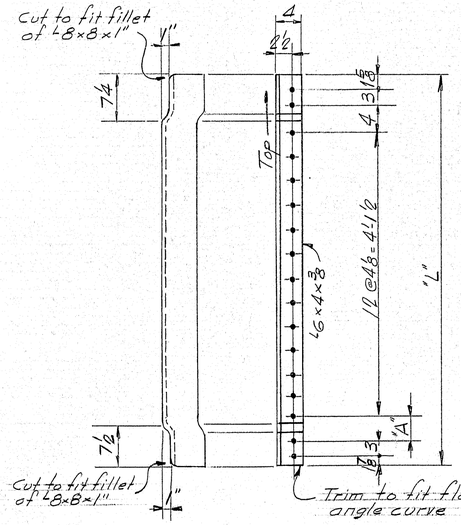
ca 15R - 4 Req'd. - As Shown
ca 15L - 4 Req'd. - Opp. Hand.



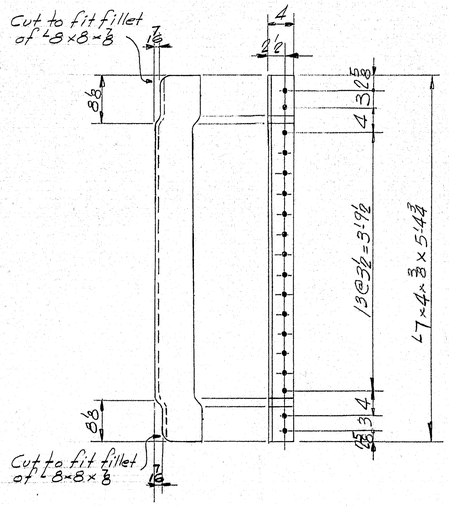
ca 16R - 4 Req'd. - As Shown.
ca 16L - 4 Req'd. - Opp. Hand.



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



"A"	"L"	No	Mark	Notes
5 3/4	5'-8 3/4	8	ca18R	As Shown
		8	ca18L	Opp. Hand
7 15/16	5'-10 15/16	8	ca19R	As Shown
		8	ca19L	Opp. Hand



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

NOTES:
See "General Notes" Dwg. 9-60-515

CRIMPED ANGLE DETAILS

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER Cianchette Bros.
DESIGNER The Clarkeson Engr. Co.

DRAWN	6-26-59	J.P.F.
REVISION	9-28-59	J.P.F.
REVISION		
REVISION		

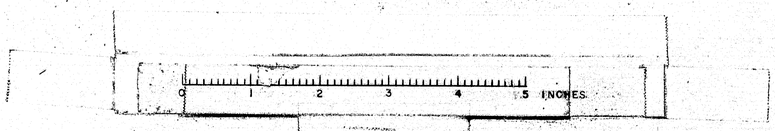
APPROVED 9-22-59

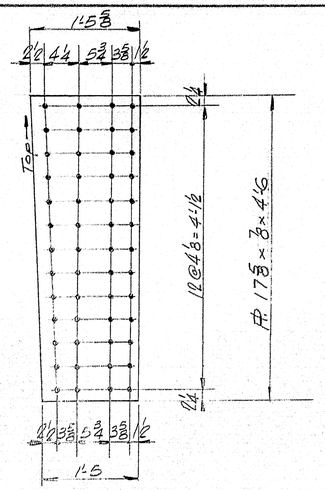
ORDER NO. VERBAL DWG. NO. 9-60-538

(L)

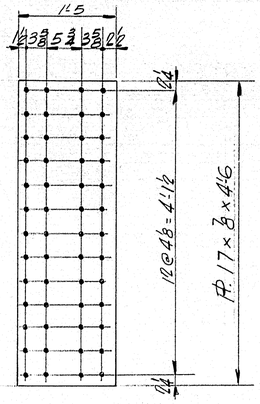
77 - 180

PRINTED BY SMALLWOOD-WOSS CO., BOSTON, MASS., PLOCHER NO. D-3731

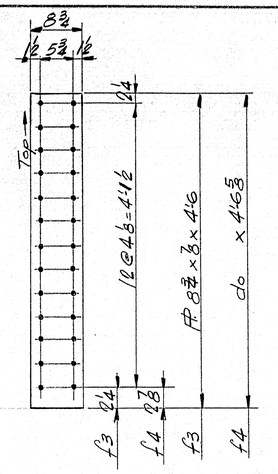




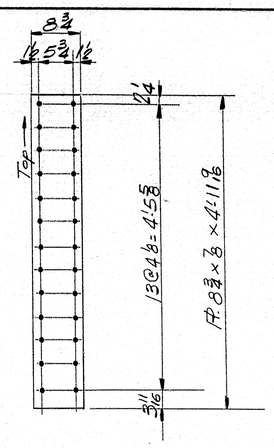
f1 - 8 Req'd.



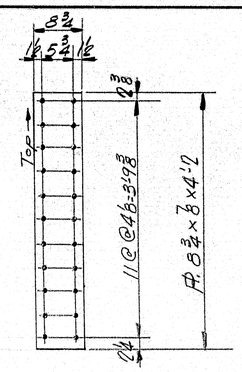
f1 - 8 Req'd.



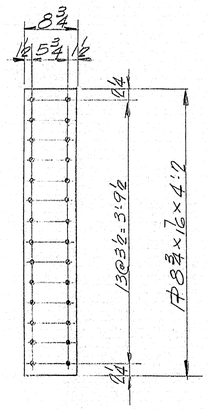
f3 - 16 Req'd. - As Noted
f4 - 8 Req'd. - As Noted



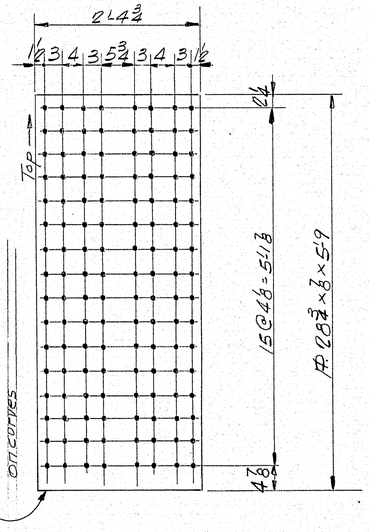
f5 - 8 Req'd



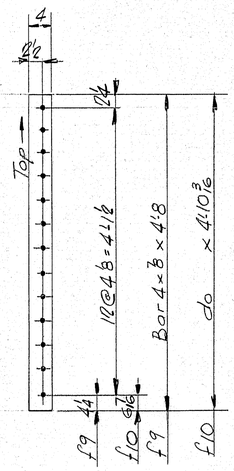
f6 - 8 Req'd.



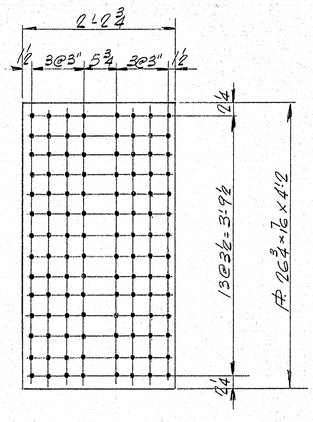
f7 - 4 Req'd.



f8 - 16 Req'd



f9 - 16 Req'd. - As Noted
f10 - 16 Req'd. - As Noted



spl - 8 Req'd.

NOTES:
See "General Notes" Dwg. 9-60-515

FILLER DETAILS

Bancroft & Martin Rollings Mills Company
South Portland 7, Maine

INTERSTATE #95 - OVER MESSONSKEE STREAM
WATERVILLE, MAINE

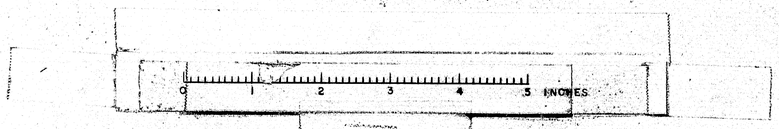
CUSTOMER Cianchette Bros.
DESIGNER The Clarkeson Engr. Co.

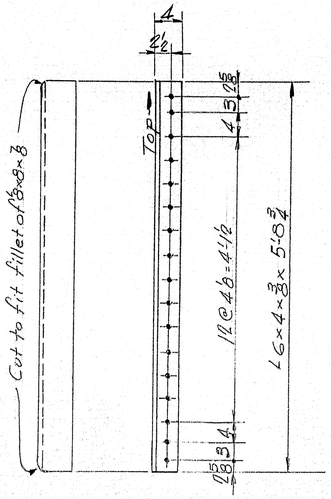
ORDER NO. Verbal | DWG. NO. 9-60-539

DRAWN	6-26-59	J.P.F.
REVISION	9-28-59	J.P.F.
REVISION		
REVISION		

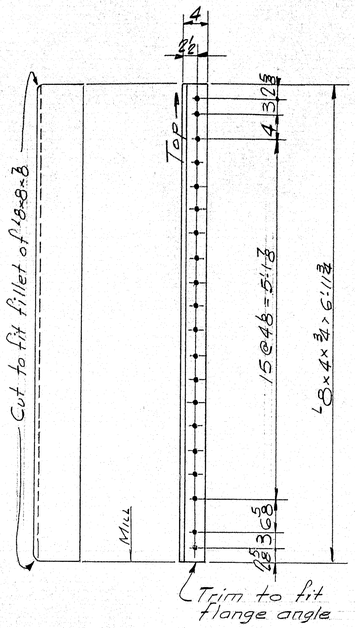
Apr. 9-22-59

77-181

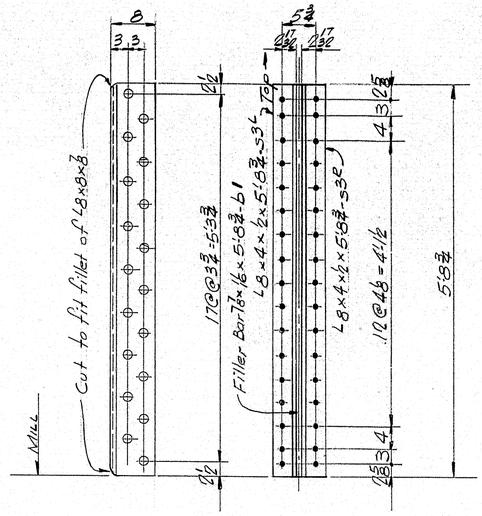




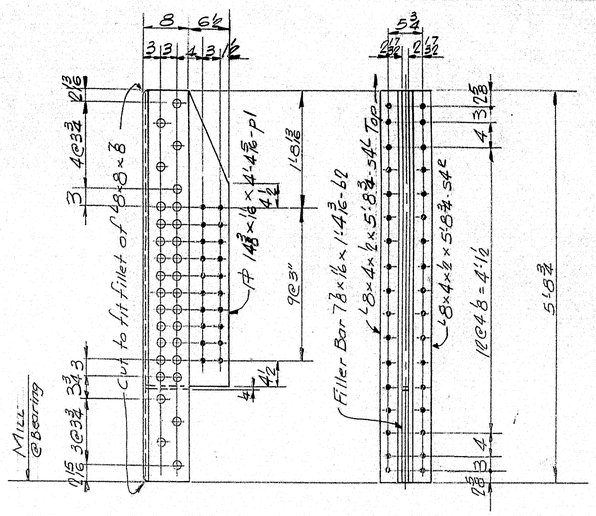
S1 - 16 Req'd



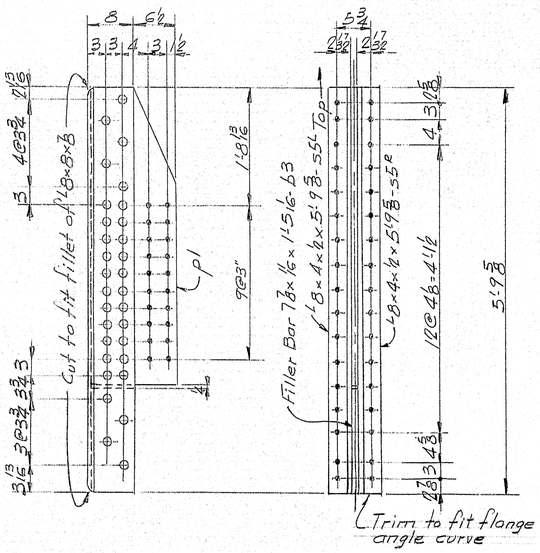
S2E - 16 Req'd. As Shown.
S2L - 16 Req'd - Opp Hand.



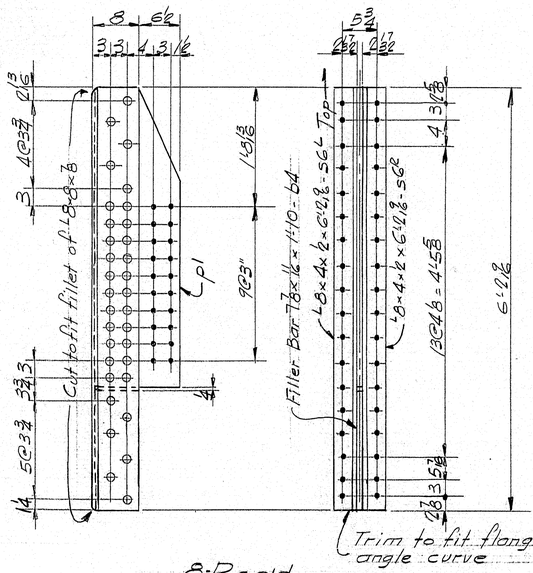
8 Req'd



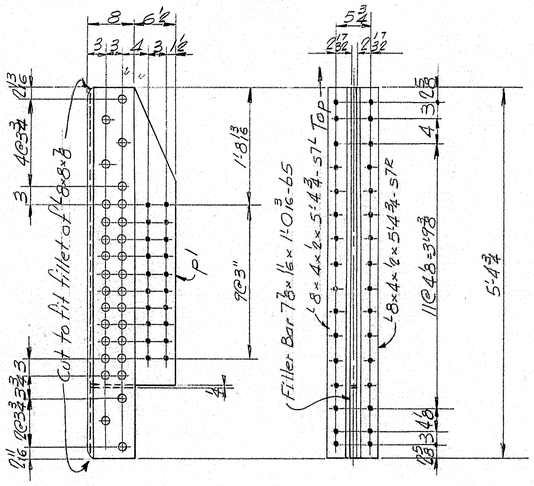
24 Req'd



8 Req'd



8 Req'd



8 Req'd.

NOTES:

See "GENERAL NOTES" Dwg. 9-60-515

STIFFENER DETAILS

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE # 95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. Co.

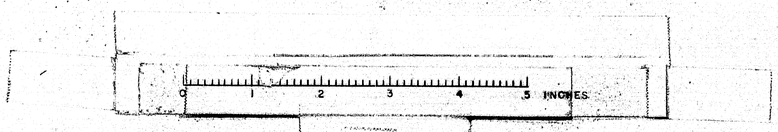
ORDER NO. VERBAL | DWG. NO. 9-60-540

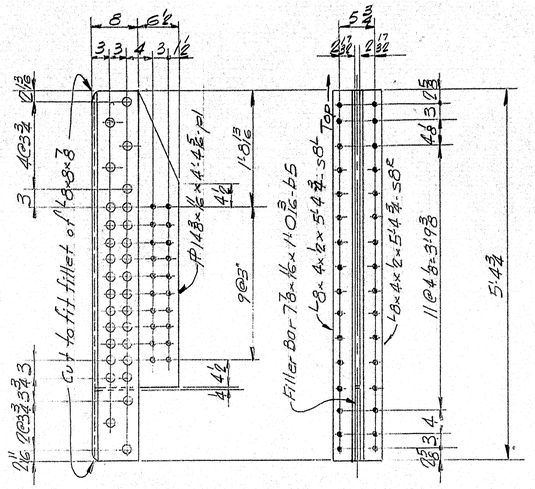
DRAWN	6-29-59	J.P.F.
REVISION	9-28-59	J.P.F.
REVISION		
REVISION		

APP. 9-29-59

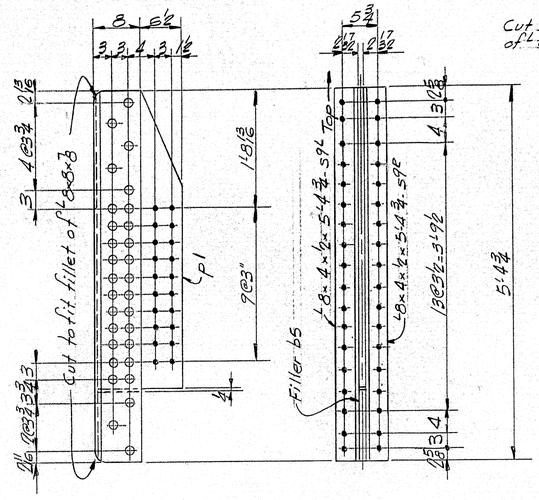
77-182

PRINTED BY SPAULDING-MOSES CO., BOSTON, MASS., PR ORDER NO. Q-3719

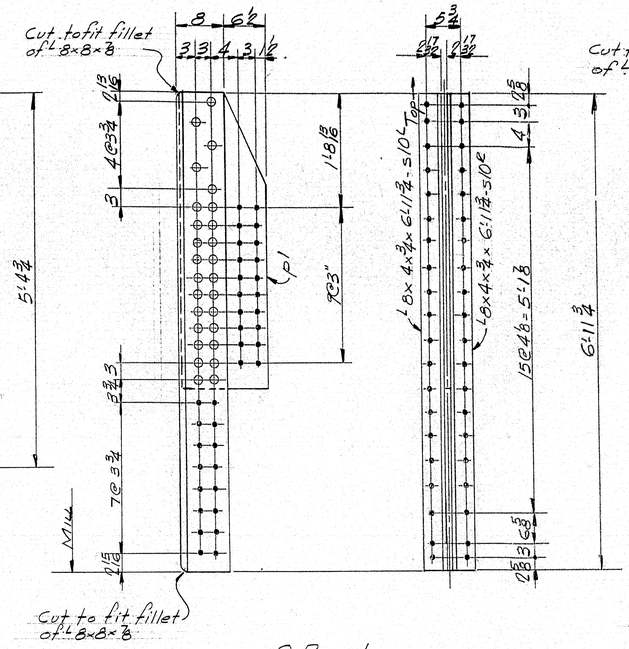




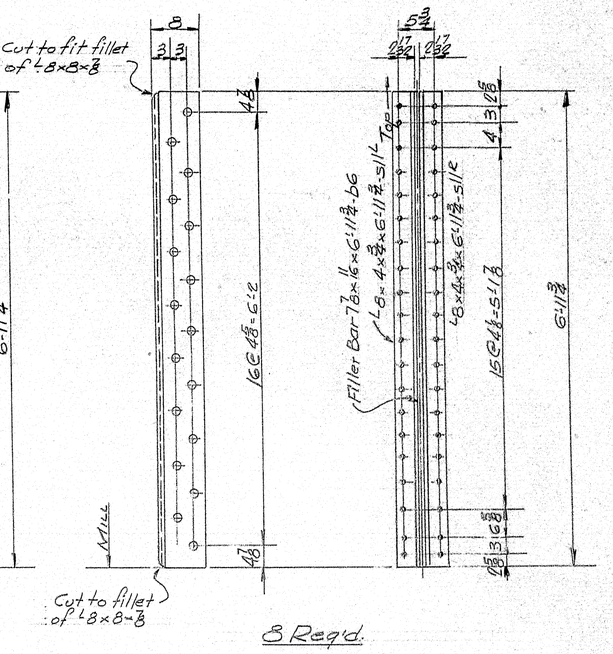
16-Req'd.



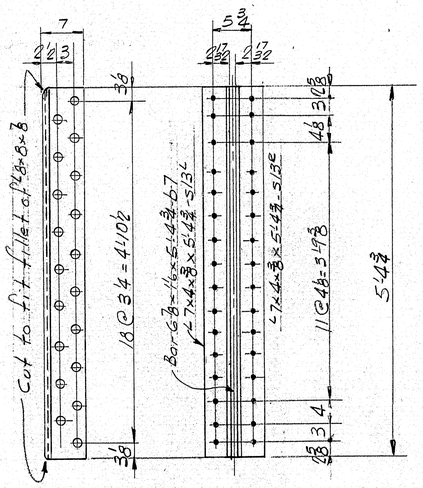
4-Req'd.



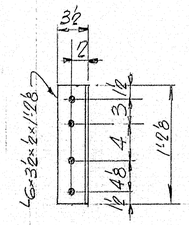
8 Req'd.



8 Req'd.



16 Req'd-



S12R-4 Req'd- As Shown
S12L-4 Req'd- Opp. Hand.

NOTES:

See "General Notes"
Dwg. 9-60-S15

STIFFENER DETAILS

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 OVER
MESSALONSKEE STREAM
WATERVILLE, MAINE

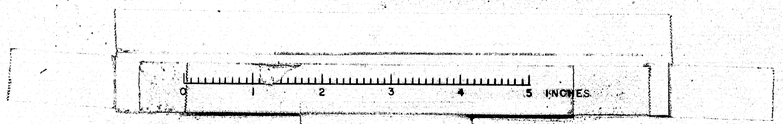
CUSTOMER Cianchette Bros
DESIGNER The Clarkeson Engr. Co.

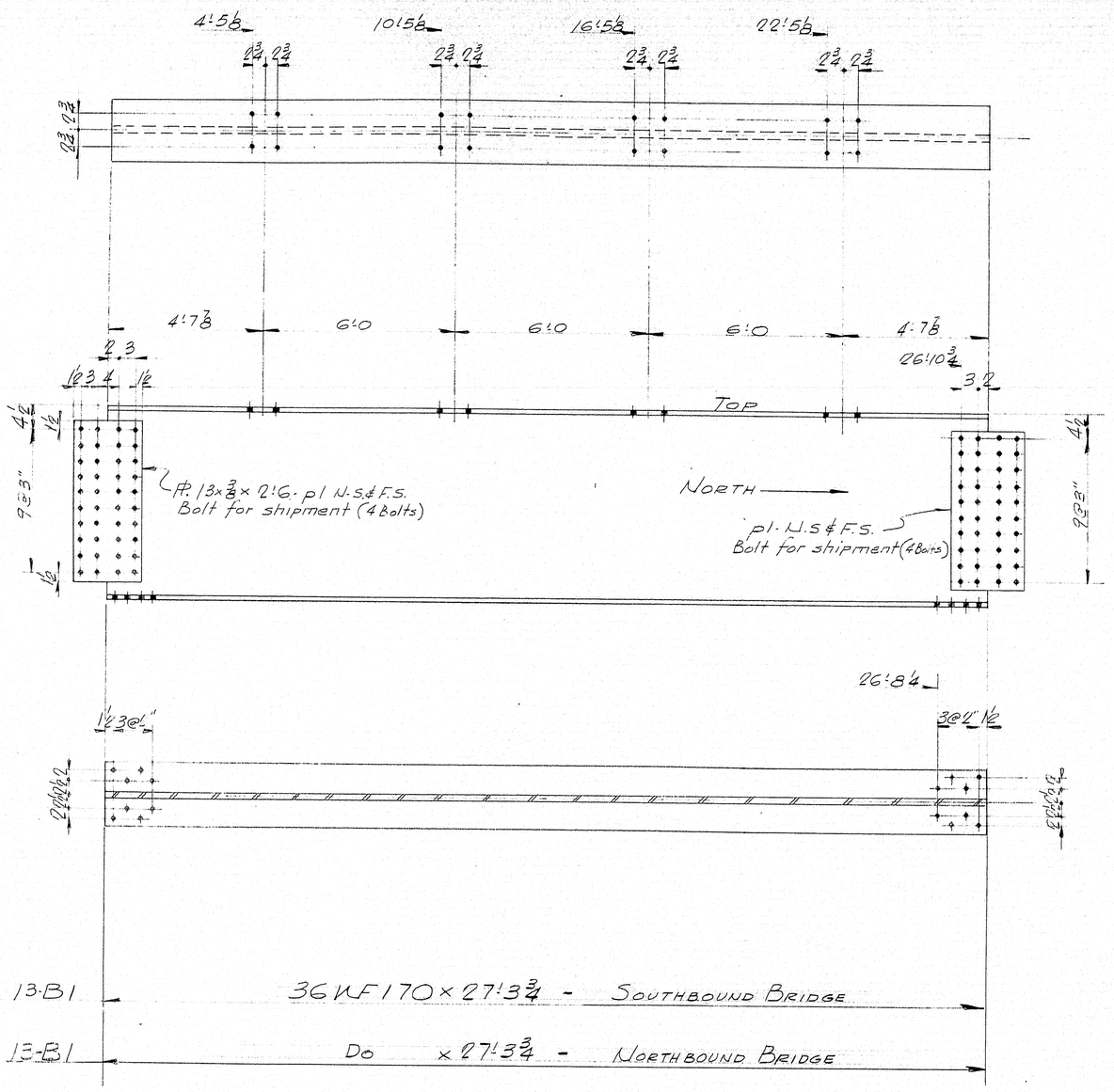
DRAWN	6-30-59	J.P.F.
REVISION	9-30-59	J.P.F.
REVISION		
REVISION		

ORDER NO. VERBAL
DWG. NO. 9-60-S41

77-183

PRINTED BY BRANDING IRON CO., BOSTON, MASS., PLANOGRAPH NO. G-3934





SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
SOUTHBOUND BRIDGE						
B1	13		36WF170	27 3¾		
	52	pl	PL 13 x ⅜	2 6		
FIELD	1040		⅞" H.S. BOLTS	0 3		26 per PC
Do	2080		⅞" H.S. WASHERS		—	
NORTHBOUND BRIDGE						
B1	13		36WF170	27 3¾		
	52	pl	PL 13 x ⅜	2 6		
FIELD	1040		⅞" H.S. BOLTS	0 3		26 per PC
Do	2080		⅞" H.S. WASHERS		—	
			TOTAL WT.			

SHOP CONNECTIONS:
FIELD CONNECTIONS: ⅞" H.S. Bolts
HOLES: 15/16"ø
PAINT: Per State of Maine Spec. See GENERAL NOTES" SH. S15

DETAILS - FLOOR SYSTEM

Bancroft & Martin Rollings Mills Company
South Portland 7, Maine

INTERSTATE #95 OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS
DESIGNER THE CLARKESON ENGR. CO

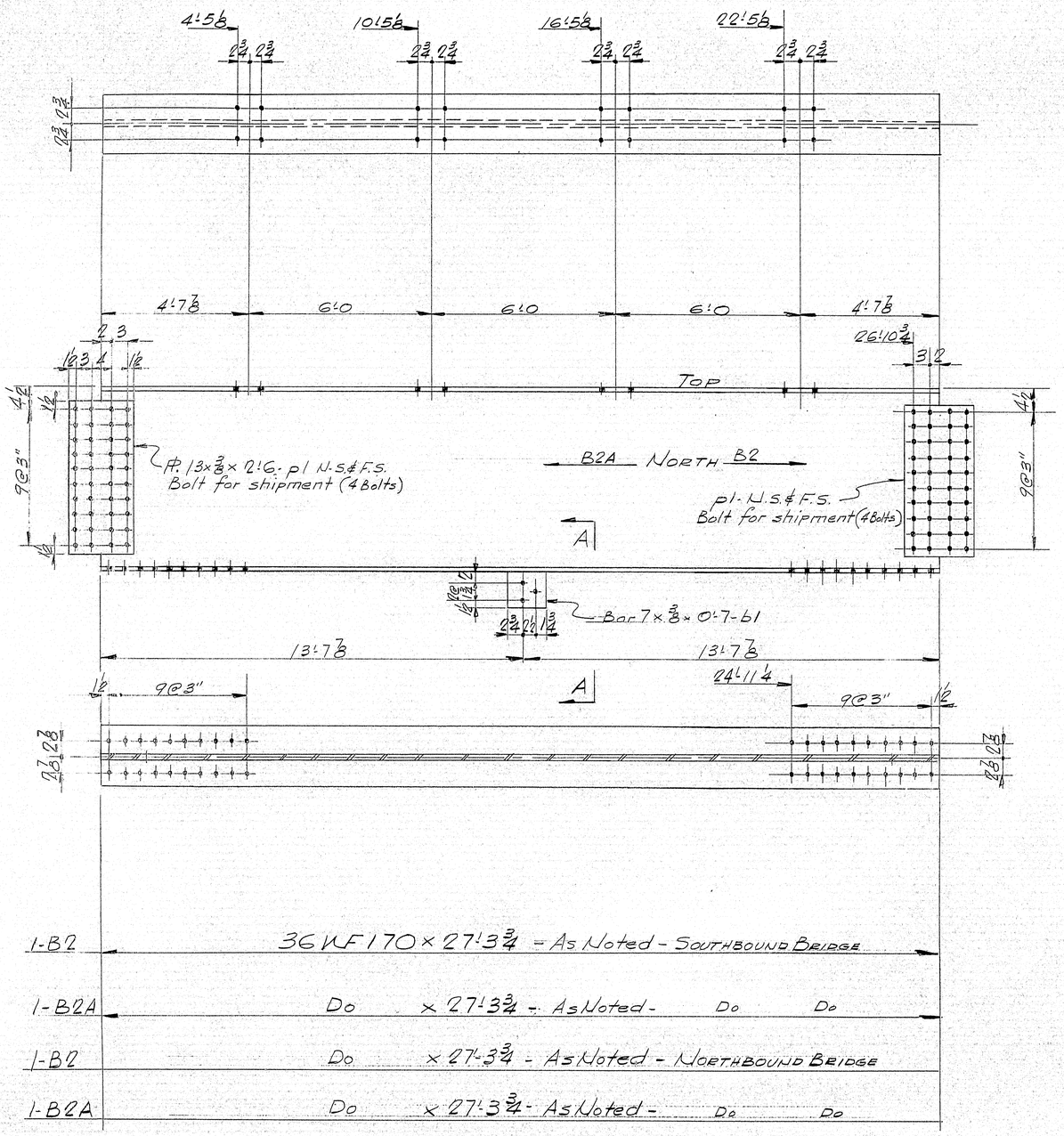
ORDER NO. VERBAL | DWG. NO. 9-60-S12

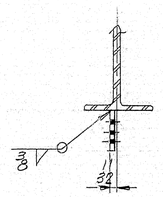
DRAWN	7-16-59	J.P.F.
REVISION		
REVISION		
REVISION		

APP. 8-22-59

0 1 2 3 4 5 INCHES

77-184





SECT. "A-A"

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 MARK — BILL OF MATERIAL — DWG. NO. 9-60-543

	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
SOUTHBOUND BRIDGE						
B2	1		36WF170	27' 3 3/4"		
	8	pl	PL. 13 x 3/8	2' 6"		
	2	b1	Bar 7 x 3/8	0' 7"		
B2A	1		36WF170	27' 3 3/4"		
FIELD	160		7/8" H.S. BOLTS	0' 3"		36# per 100
Do	320		7/8" HARD. WASHERS			
NORTHBOUND BRIDGE						
B2	1		36WF170	27' 3 3/4"		
	8	pl	PL. 13 x 3/8	2' 6"		
	2	b1	Bar 7 x 3/8	0' 7"		
B2A	1		36WF170	27' 3 3/4"		
FIELD	160		7/8" H.S. BOLTS	0' 3"		36# per 100
Do	320		7/8" HARD. WASHERS			

ITEM 702-103

SHOP CONNECTIONS: Welded.
FIELD CONNECTIONS: 7/8" H.S. Bolts
HOLES: 15/16" / 13/16"
PAINT: Per State of Maine Specs. See "GENERAL NOTES" Sh. S15

DETAILS - FLOOR SYSTEM

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER Cianchette Bros
DESIGNER The Clarkeson Engr. Co

ORDER NO. Verbal | DWG. NO. 9-60-543

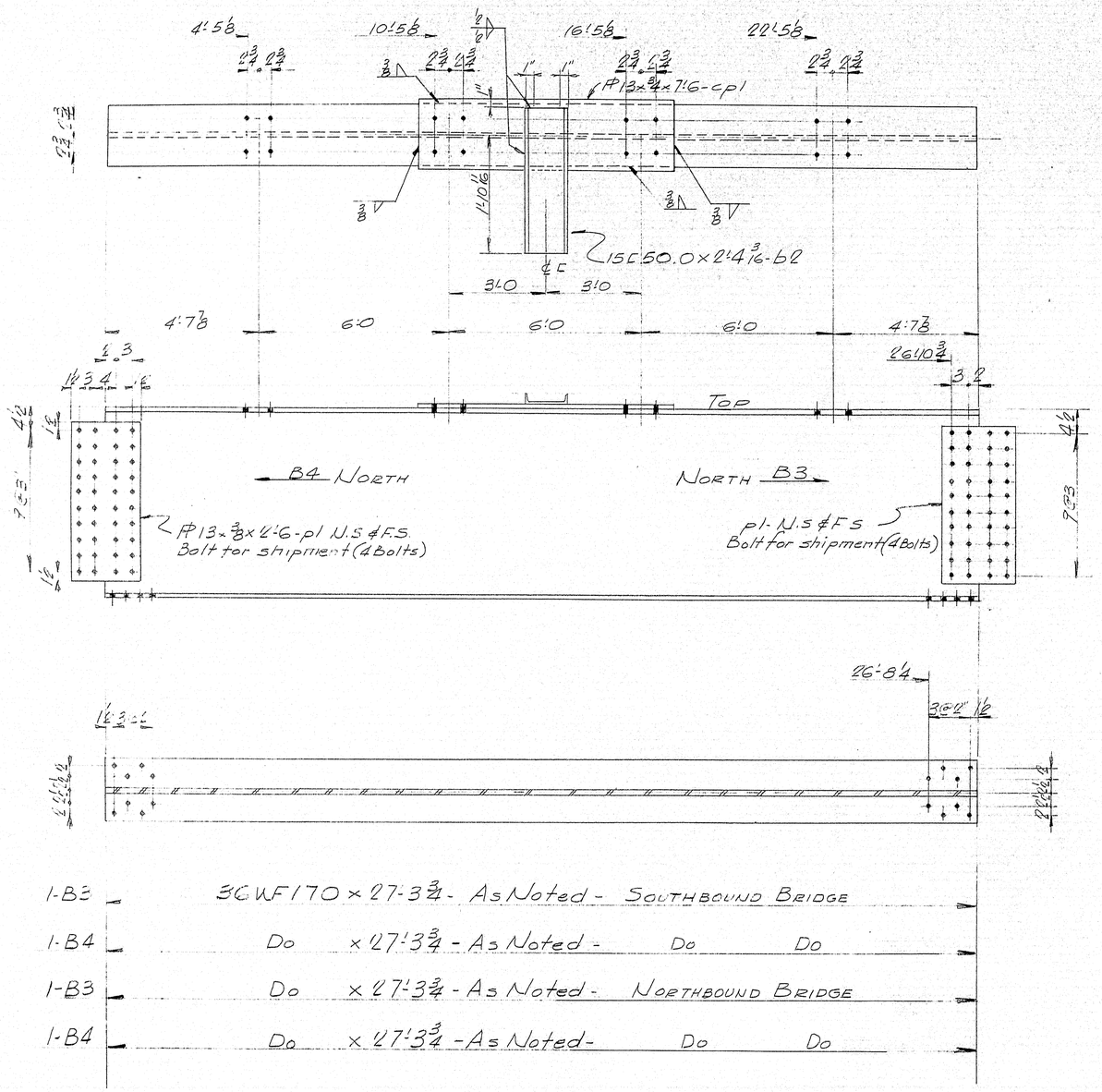
APP. 9-22-59

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

(D)

77-185

0 1 2 3 4 5 INCHES



1-B3 — 36WF170 x 27-3¾ - As Noted - Southbound Bridge

1-B4 — Do x 27'-3¾ - As Noted - Do Do

1-B3 — Do x 27'-3¾ - As Noted - Northbound Bridge

1-B4 — Do x 27'-3¾ - As Noted - Do Do

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
Southbound Bridge B3	1		36WF170	27 3¾		
B4	1		Do	27 3¾		
	8	pl	#13x⅜	2 6		
	2	cpl	#13x¾	7 6		
	2	b2	15C50.0	2 4 3/16		
Field	160		⅞" H.S. Bolts			
Do	320		⅞" Hard. Washers			
Northbound Bridge B3	1		36WF170	27 3¾		
B4	1		Do	27 3¾		
	8	pl	#13x⅜	2 6		
	2	cpl	#13x¾	7 6		
	2	b2	15C50.0	2 4 3/16		
Field	160		⅞" H.S. Bolts			
Do	320		⅞" Hard. Washers			

SHOP CONNECTIONS:
FIELD CONNECTIONS: ⅞" H.S. Bolts
HOLES: 15/16"
PAINT: Per State of Maine Specs. See General Notes Sht 5/5

DETAILS - FLOOR SYSTEM

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95-OVER MESSALONSKEE STREAM
WATERVILLE MAINE

CUSTOMER Gianchette Bros.
DESIGNER The Clarkeson Engr Co.

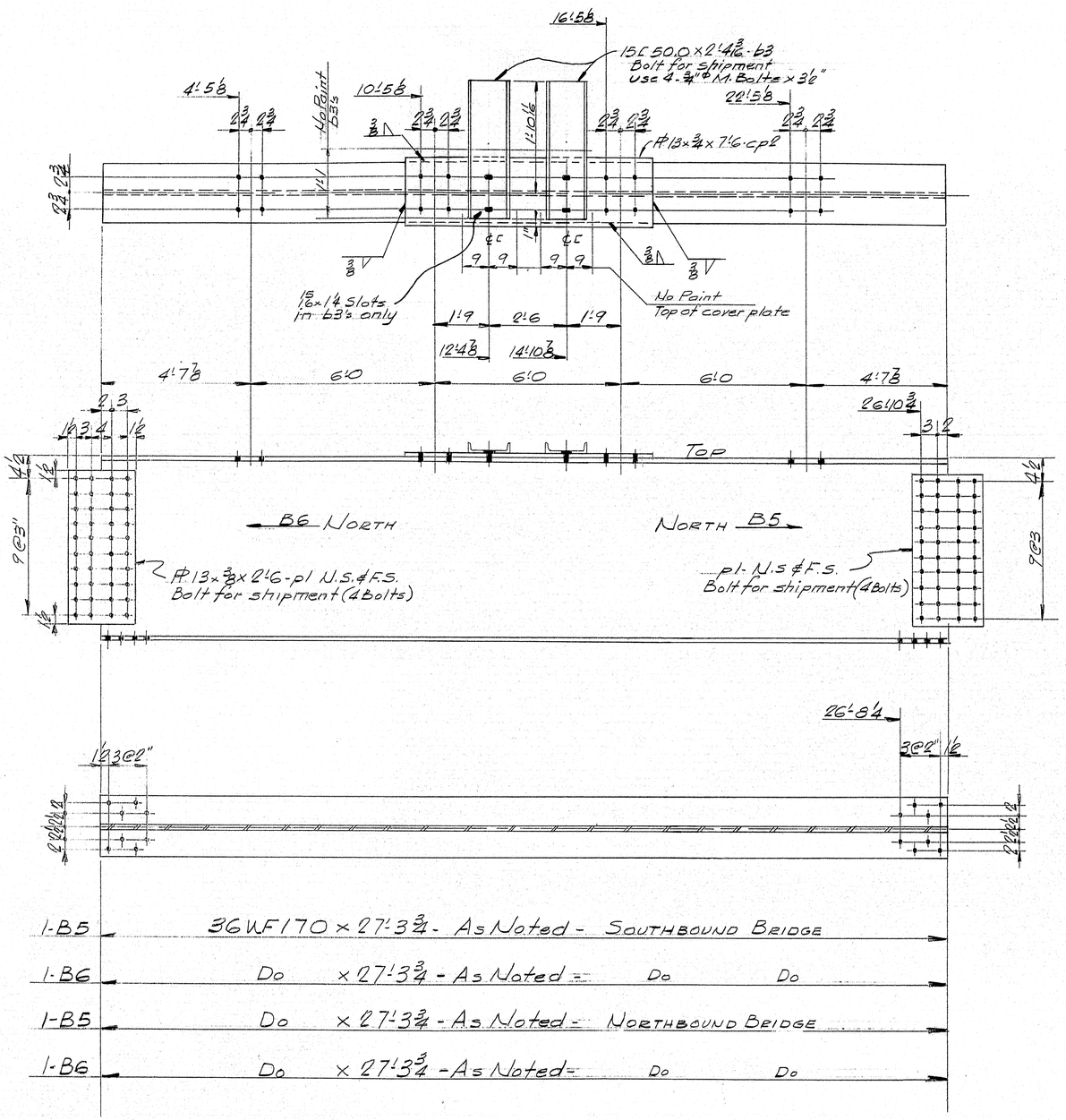
ORDER NO. Verbal | DWG. NO. 9-60-544

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

Apr 4-21-61

77-186

0 1 2 3 4 5 INCHES



SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
Southbound Bridge						
B5	1		36 WF 170	27 3¾		
B6	1		Do	27 3¾		
	8	pl	PL 13 x ⅜	2 6		
	2	cpl	PL 13 x ¾	7 6		
	4	b3	15 C 50.0	2 4⅛		
	8	Shop	¾" ø M. Bolts	0 3½		
Field	160		⅞" ø H.S. Bolts	0 3		36# per 100
Do	320		⅞" Hard Washers		—	
Northbound Bridge						
B5	1		36 WF 170	27 3¾		
B6	1		Do	27 3¾		
	8	pl	PL 13 x ⅜	2 6		
	2	cpl	PL 13 x ¾	7 6		
	4	b3	15 C 50.0	2 4⅛		
	8	Shop	¾" ø M. Bolts	0 3½		
Field	160		⅞" ø H.S. Bolts	0 3		36# per 100
Do	320		⅞" Hard Washers		—	

ITEM 702.103

SHOP CONNECTIONS: Welded - Bolted
FIELD CONNECTIONS: ⅞" H.S. Bolts
HOLES: 13/16" Unless Noted
PAINT: Per State of Maine Specs. See "General Notes" Sh. S15

DETAILS - FLOOR SYSTEM

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE MAINE

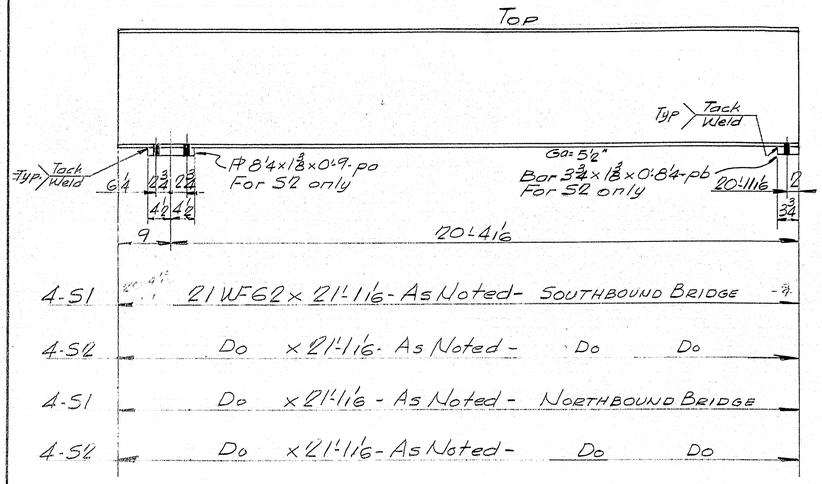
CUSTOMER Cianchette Bros.
DESIGNER The Clarkeson Engr. Co.

ORDER NO. Verbal | DWG. NO. 9-60-545

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

APP'D 8-22-59

77-187

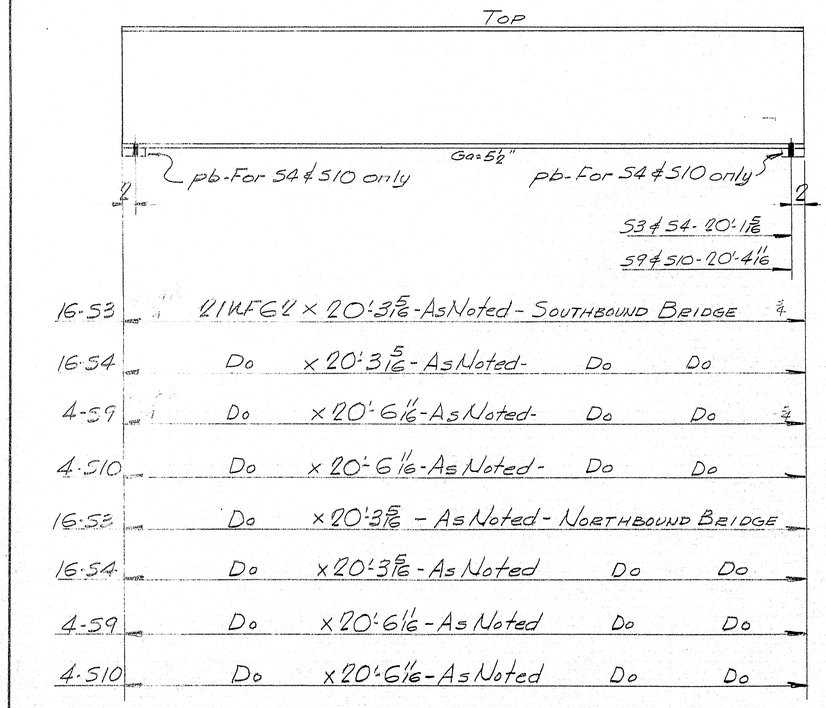


4-S1 — 21WF62 × 21'-1⅛" - As Noted - Southbound Bridge

4-S2 — Do × 21'-1⅛" - As Noted - Do Do

4-S1 — Do × 21'-1⅛" - As Noted - Northbound Bridge

4-S2 — Do × 21'-1⅛" - As Noted - Do Do



16-S3 — 21WF62 × 20'-3⅝" - As Noted - Southbound Bridge

16-S4 — Do × 20'-3 5/16" - As Noted - Do Do

4-S9 — Do × 20'-6⅛" - As Noted - Do Do

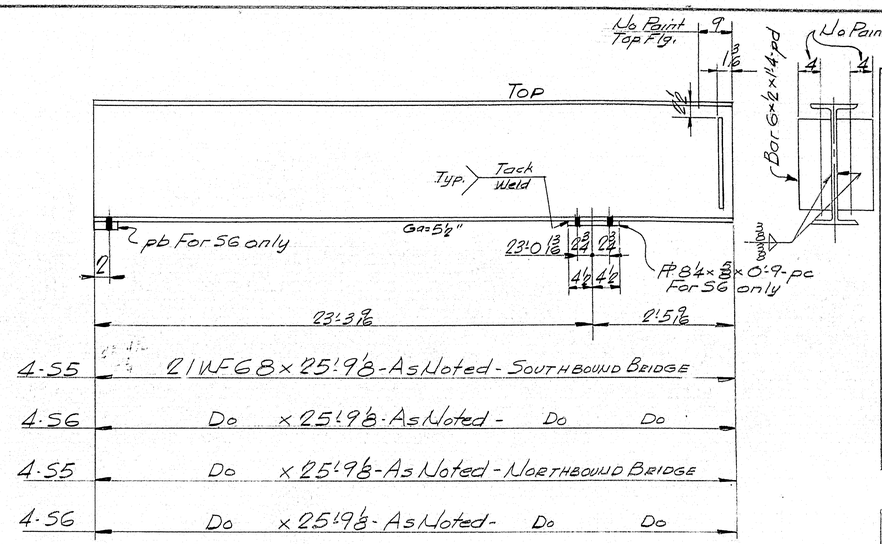
4-S10 — Do × 20'-6⅛" - As Noted - Do Do

16-S3 — Do × 20'-3⅝" - As Noted - Northbound Bridge

16-S4 — Do × 20'-3⅝" - As Noted Do Do

4-S9 — Do × 20'-6⅛" - As Noted Do Do

4-S10 — Do × 20'-6⅛" - As Noted Do Do

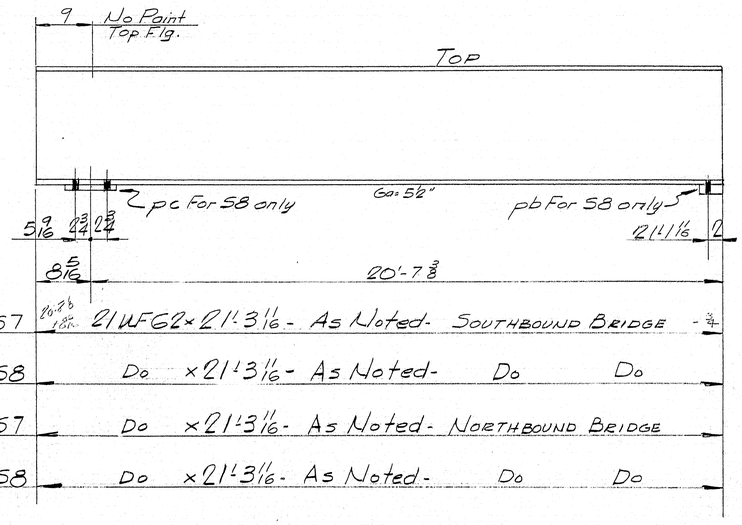


4-S5 — 21WF68 × 25'-9⅛" - As Noted - Southbound Bridge

4-S6 — Do × 25'-9⅛" - As Noted - Do Do

4-S5 — Do × 25'-9⅛" - As Noted - Northbound Bridge

4-S6 — Do × 25'-9⅛" - As Noted - Do Do

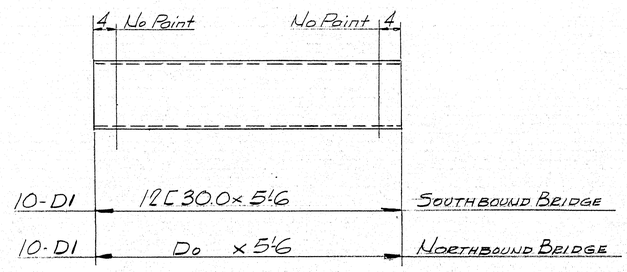


4-S7 — 21WF62 × 21'-3⅛" - As Noted - Southbound Bridge

4-S8 — Do × 21'-3⅛" - As Noted - Do Do

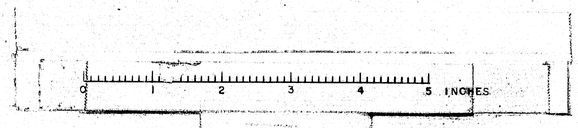
4-S7 — Do × 21'-3⅛" - As Noted - Northbound Bridge

4-S8 — Do × 21'-3⅛" - As Noted - Do Do



10-D1 — 12C30.0 × 5'-6 — Southbound Bridge

10-D1 — Do × 5'-6 — Northbound Bridge



BILL OF MATERIAL — DWG. NO. 7-60-546

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
Southbound Bridge						
S1	4		21WF62	21 1⅛		
S2	4		Do	21 1⅛		
S3	16		Do	20 3 5/16		
S4	16		Do	20 3 5/16		
S5	4		21WF68	25 9⅛		
S6	4		Do	25 9⅛		
S7	4		21WF62	21 3 1/16		
S8	4		Do	21 3 1/16		
S9	4		Do	20 6⅛		
S10	4		Do	20 6⅛		
D1	10		12C30.0	5 6		
	4	pa	PL 8¼x⅜	0 9		
	52	pb	Bar 3¾x⅜	0 8¼		
	8	pc	PL 8¼x⅜	0 9		
	16	pd	Bar 6x½	1 4		
FIELD	152		⅞" H.S. Bolts	0 3¼		36th per 100
Do	152		⅞" H.S. Bolts	0 4¾		36th per 100
Do	608		⅞" Hard Washers		—	
Northbound Bridge						
S1	4		21WF62	21 1⅛		
S2	4		Do	21 1⅛		
S3	16		Do	20 3 5/16		
S4	16		Do	20 3 5/16		
S5	4		21WF68	25 9⅛		
S6	4		Do	25 9⅛		
S7	4		21WF62	21 3 1/16		
S8	4		Do	21 3 1/16		
S9	4		Do	20 6⅛		
S10	4		Do	20 6⅛		
D1	10		12C30.0	5 6		
	4	pa	PL 8¼x⅜	0 9		
	52	pb	Bar 3¾x⅜	0 8¼		
	8	pc	PL 8¼x⅜	0 9		
	16	pd	Bar 6x½	1 4		
FIELD	152		⅞" H.S. Bolts	0 3¼		36th per 100
Do	152		Do	0 4¾		36th per 100
Do	608		⅞" Hard Washers		—	
			ITEM 702-103			

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: ⅞" H.S. Bolts
HOLES: 15/16"
PAINT: Per State of Maine Specs. "See General Notes" Sh. 5/5

APR 7-22-59

DETAILS - FLOOR SYSTEM

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

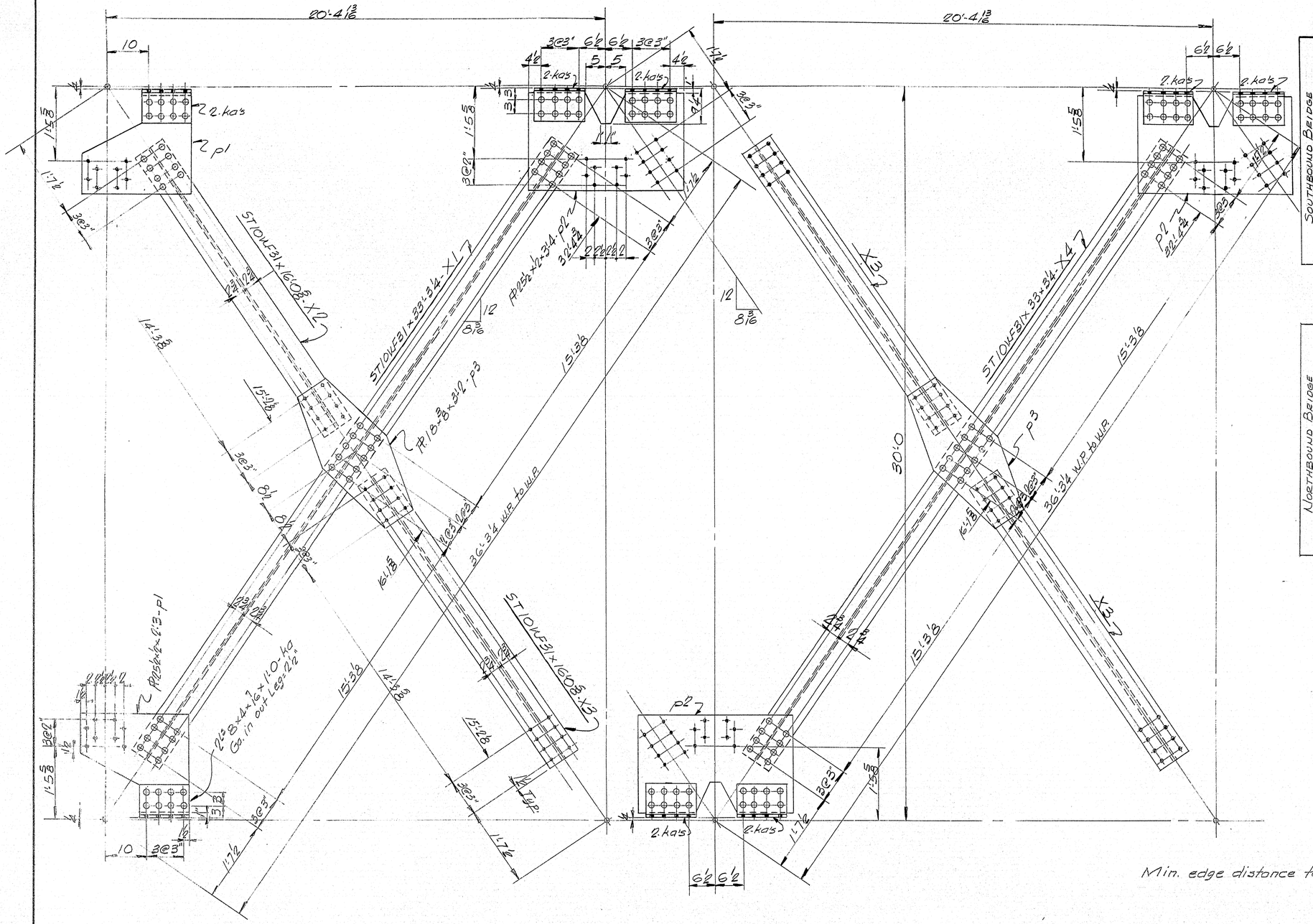
CUSTOMER Cianchette Bros.
DESIGNER The Clarkeson Engr. Co

ORDER NO. Verbal — DWG. NO. 7-60-546

DRAWN	7-17-59	J.P.F.
REVISION	9-28-59	J.P.F.
REVISION		
REVISION		

PRINTED BY BLUEPRINT CO., BOSTON, MASS. PATENT NO. D 21216

77-188



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

6 REQ'D - SOUTHBOUND BRIDGE
6 REQ'D - NORTHBOUND BRIDGE

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	MAT. DEDUCT	REMARKS
SOUTHBOUND BRIDGE							
X1	2		ST 10WF31	33 3¼			
X2	2		Do	16 0⅝			
X3	14		Do	16 0⅝			
X4	6		Do	33 3¼			
	4	pl	PL 25½ x ½	2 3		68.	
	14	p2	Do	3 4		95.	
	8	p3	PL 18 x ⅜	3 2		116.	
	64	ka	L 8 x 4 x ⅞	1 0			
	960	SHOP	⅞" ø RIVET HEADS				18# per 100
FIELD	384		⅞" ø H.S. BOLTS	0 2½			36# per 100
Do	112		Do	0 2¾			36# per 100
Do	144		Do	0 3¼			36# per 100
Do	1280		⅞" ø HARD. WASHERS		—		
NORTHBOUND BRIDGE							
X1	2		ST 10WF31	33 3¼			
X2	2		Do	16 0⅝			
X3	14		Do	16 0⅝			
X4	6		Do	33 3¼			
	4	pl	PL 25½ x ½	2 3		68.	
	14	p2	Do	3 4		95.	
	8	p3	PL 18 x ⅜	3 2		116.	
	64	ka	L 8 x 4 x ⅞	1 0			
	960		⅞" ø RIVET HEADS				18# per 100
FIELD	384		⅞" ø H.S. BOLTS	0 2½			36# per 100
Do	112		Do	0 2¾			36# per 100
Do	144		Do	0 3¼			36# per 100
Do	1280		⅞" ø HARD. WASHERS		—		

ITEM 702.103

SHOP CONNECTIONS: ⅞" ø Rivets
FIELD CONNECTIONS: ⅞" ø H.S. Bolts
HOLES: 15/16" ø
PAINT: For State of Maine Specs. See GENERAL NOTES SH. S15

LATERAL BRACING

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 OVER MESSALONSKEE STREAM WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLAGGETT-SYKES ENGR. CO.

ORDER NO. VERBAL | DWG. NO. 760-547

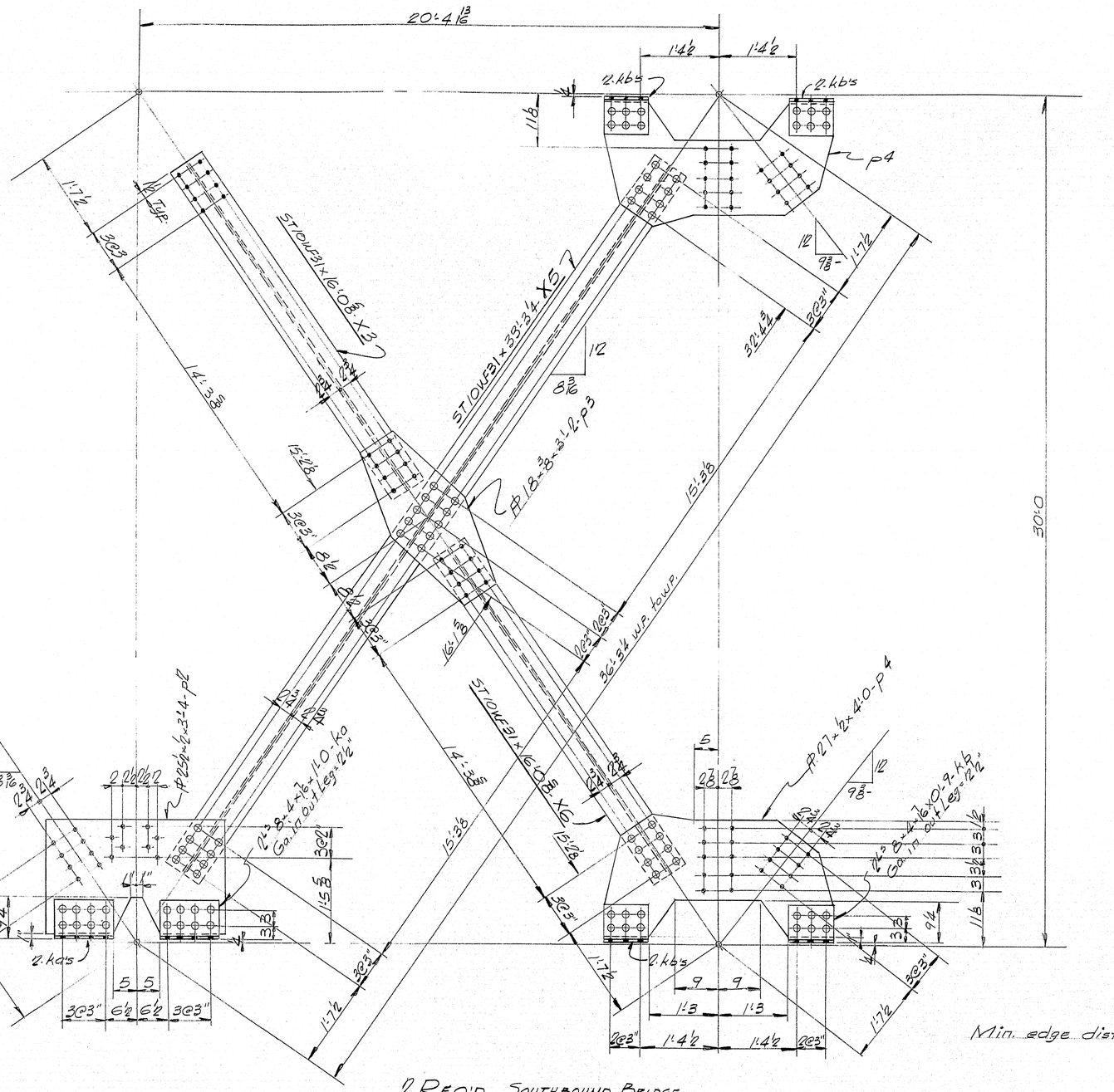
DRAWN	7-20-59	J.P.F.
REVISION		
REVISION		
REVISION		

APP. 9-22-59

(C)

77-189

0 1 2 3 4 5 INCHES.



Min. edge distance for plates = 1½"

2 REQ'D. SOUTHBOUND BRIDGE
2 REQ'D. NORTHBOUND BRIDGE

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DEDUCT.	REMARKS
SOUTHBOUND BRIDGE							
X3	2		ST 10WF31	16'-0⅝"			
X5	2		Do	33'-3¼"			
X6	2		Do	16'-0⅝"			
	2	p2	PL 25½ x ½	3'-4"		14.	
	2	p3	PL 18 x ⅜	3'-2"		29.	
	4	p4	PL 27 x ½	4'-0"		170.	
	8	ka	L 8 x 4 x ⅞	1'-0"			
	16	kb	Do	0'-9"			
	296	SHOP	⅞" ø RIVET HEADS				18 per 100
FIELD	112		⅞" ø H.S. BOLTS	0'-2½"			36 per 100
Do	16		Do	0'-2¾"			36 per 100
Do	16		Do	0'-3¼"			36 per 100
Do	24		Do	0'-3½"			36 per 100
Do	356		⅞" HARD WASHERS		—		
NORTHBOUND BRIDGE							
X3	2		ST 10WF31	16'-0⅝"			
X5	2		Do	33'-3¼"			
X6	2		Do	16'-0⅝"			
	2	p2	PL 25½ x ½	3'-4"		14.	
	2	p3	PL 18 x ⅜	3'-2"		29.	
	4	p4	PL 27 x ½	4'-0"		170.	
	8	ka	L 8 x 4 x ⅞	1'-0"			
	16	kb	Do	0'-9"			
	296	SHOP	⅞" ø RIVET HEADS				18 per 100
FIELD	112		⅞" ø H.S. BOLTS	0'-2½"			36 per 100
Do	16		Do	0'-2¾"			36 per 100
Do	16		Do	0'-3¼"			36 per 100
Do	24		Do	0'-3½"			36 per 100
Do	356		⅞" HARD WASHERS		—		
			ITEM 704.103				

BILL OF MATERIAL — DWG. NO. 9-60-548

SHOP CONNECTIONS: ⅞" ø Rivets
FIELD CONNECTIONS: ⅞" ø H.S. Bolts.
HOLES: 15/16" ø
PAINT: Per State of Maine Specs. See "General Notes" Sh. 515

APP. 9-22-59

LATERAL BRACING
Bancroft & Martin Rolling Mills Company
South Portland 7, Maine
INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE
CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO.
ORDER NO. VERBAL — DWG. NO. 9-60-548

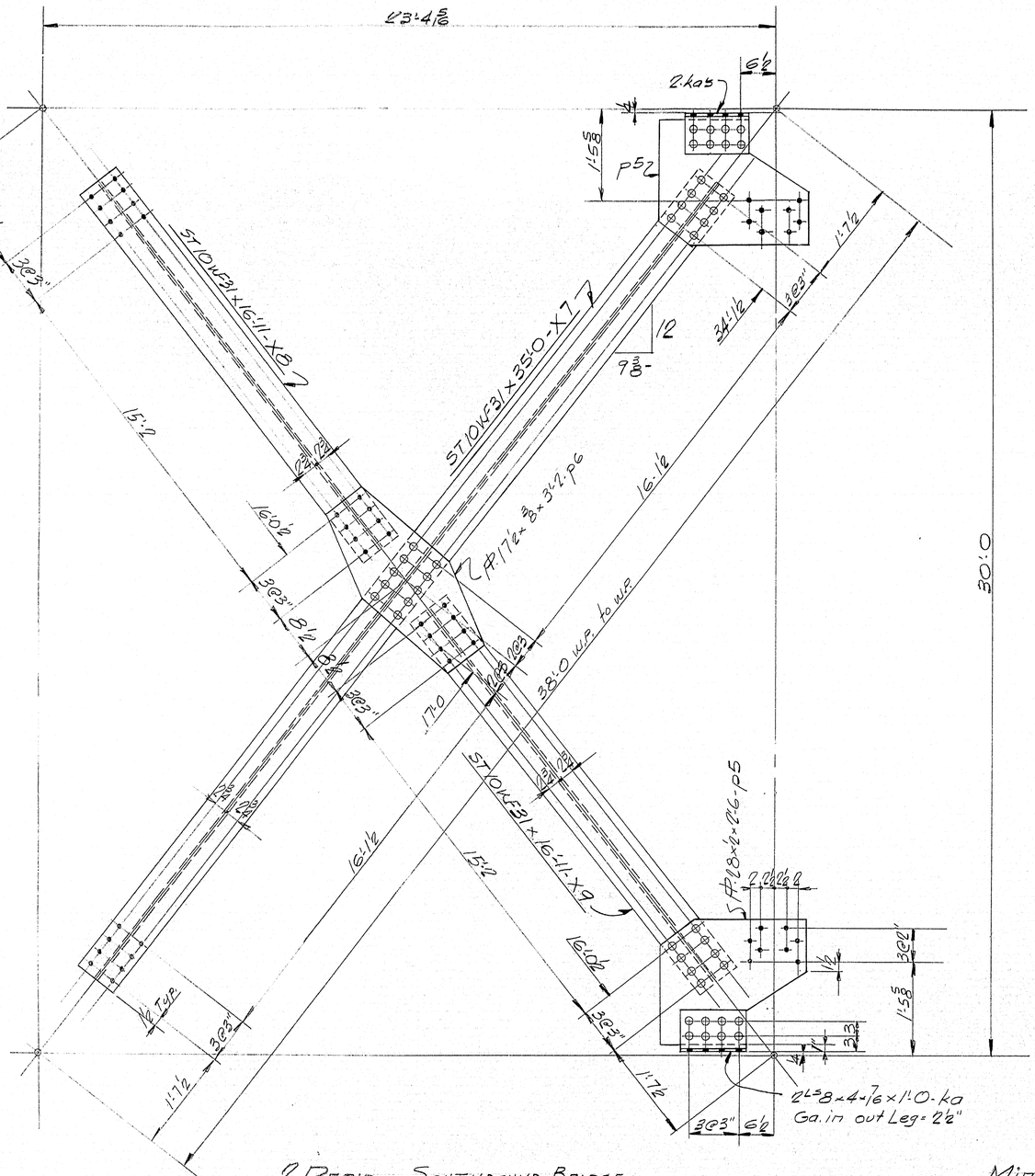
DRAWN	7-20-59	J.P.F.
REVISION		
REVISION		
REVISION		

(c)

77-190

PRINTED BY SMALLMAN-HOUSE CO., BOSTON, MASS., TO ORDER NO. G-3731

0 1 2 3 4 5 INCHES



2 REQ'D - SOUTHBOUND BEIDGE

2 REQ'D - NORTHBOUND BEIDGE

Min edge distance for plates - 1/2"

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DEDUCT	REMARKS
SOUTHBOUND BEIDGE							
X7	2		ST 10 WF 31	35 0			
X8	2		Do	16 11			
X9	2		Do	16 11			
	4	P5	PL 28 x 1/2	2 6		78.	
	2	P6	PL 17 1/2 x 3/8	3 2		43.	
	8	Ka	L 8 x 4 x 7/16	1 0			
	168	SHOP	7/8" ø B. Rivet Heads				18# per 100
FIELD	64		7/8" ø H.S. Bolts	0 2 1/2			36# per 100
Do	32		Do	0 2 3/4			36# per 100
Do	32		Do	0 3 1/4			36# per 100
Do	256		7/8" ø Hard Washers			—	
NORTHBOUND BEIDGE							
X7	2		ST 10 WF 31	35 0			
X8	2		Do	16 11			
X9	2		Do	16 11			
	4	P5	PL 28 x 1/2	2 6		78.	
	2	P6	PL 17 1/2 x 3/8	3 2		43.	
	8	Ka	L 8 x 4 x 7/16	1 0			
	168	SHOP	7/8" ø B. Rivet Heads				18# per 100
FIELD	64		7/8" ø H.S. Bolts	0 2 1/2			36# per 100
Do	32		Do	0 2 3/4			36# per 100
Do	32		Do	0 3 1/4			36# per 100
Do	256		7/8" ø Hard Washers			—	

ITEM 702.103

SHOP CONNECTIONS: 7/8" ø Rivets
FIELD CONNECTIONS: 7/8" ø H. S Bolts
HOLES: 1/2" ø
PAINT: Per State of Maine Specs. See General Notes Sh. S15

APP. 9-22-59

LATERAL BRACING

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

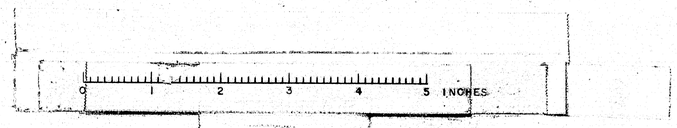
INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

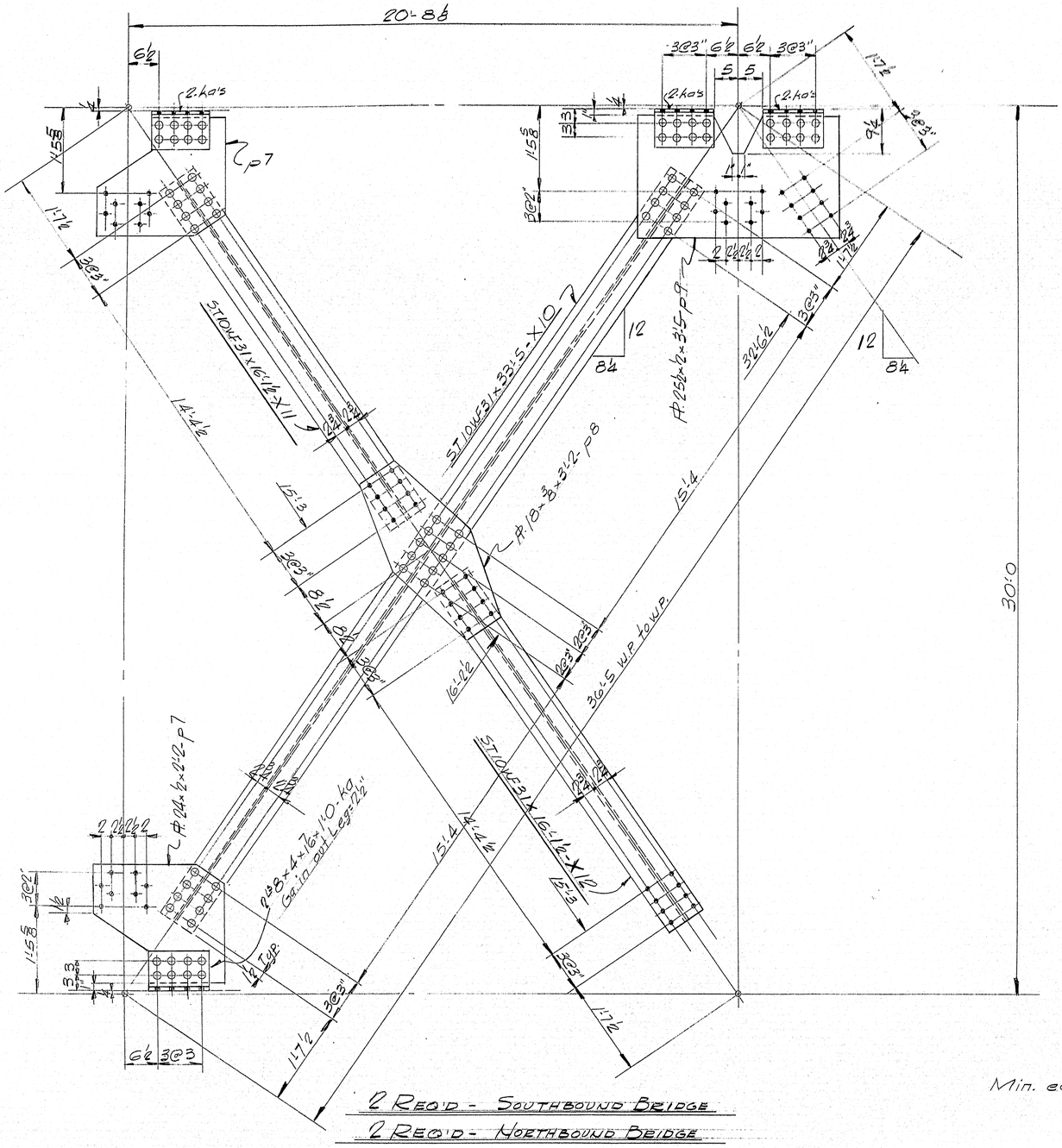
CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO.

ORDER NO. VERBAL | DWG. NO. 9-60-S49

DRAWN	7-21-59	J.P.F.	
REVISION			
REVISION			
REVISION			

77-191





Min. edge distance for plates = 1½"

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DEDUCT	REMARKS
SOUTHBOUND BRIDGE							
X10	2		ST 10WF31	33' 5"			
X11	2		Do	16' 1½"			
X12	2		Do	16' 1½"			
	4	P7	PL 25½ x ½	2' 2"		68.	
	2	P8	PL 18 x ⅜	3' 2"		48.	
	2	P9	PL 25 x ½	3' 5"		14.	
	16	Ka	L 8 x 4 x 7/16	1' 0"			
	264	Shop	⅞" ø Ribets				18 ea per 100
Field	96		⅞" ø H.S. Bolts	0' 2½"			36 ea per 100
Do	16		Do	0' 2¾"			36 ea per 100
Do	48		Do	0' 3¼"			36 ea per 100
Do	320		⅞" ø Hard Washers				
NORTHBOUND BRIDGE							
X10	2		ST 10WF31	33' 5"			
X11	2		Do	16' 1½"			
X12	2		Do	16' 1½"			
	4	P7	PL 25½ x ½	2' 2"		68.	
	2	P8	PL 18 x ⅜	3' 2"		48.	
	2	P9	PL 25 x ½	3' 5"		14.	
	16	Ka	L 8 x 4 x 7/16	1' 0"			
	264	Shop	⅞" ø Ribets				18 ea per 100
Field	96		⅞" ø H.S. Bolts	0' 2½"			36 ea per 100
Do	16		Do	0' 2¾"			36 ea per 100
Do	48		Do	0' 3¼"			36 ea per 100
Do	320		⅞" ø Hard Washers				
			ITEM 709-123				

BILL OF MATERIAL — DWG. NO. 9-60-550

SHOP CONNECTIONS: ⅞" ø Rivets
FIELD CONNECTIONS: ⅞" ø H.S. Bolts
HOLES: 13/16" ø
PAINT: Per State of Maine Specs. See "General Notes" Sh. 515

LATERAL BRACING

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

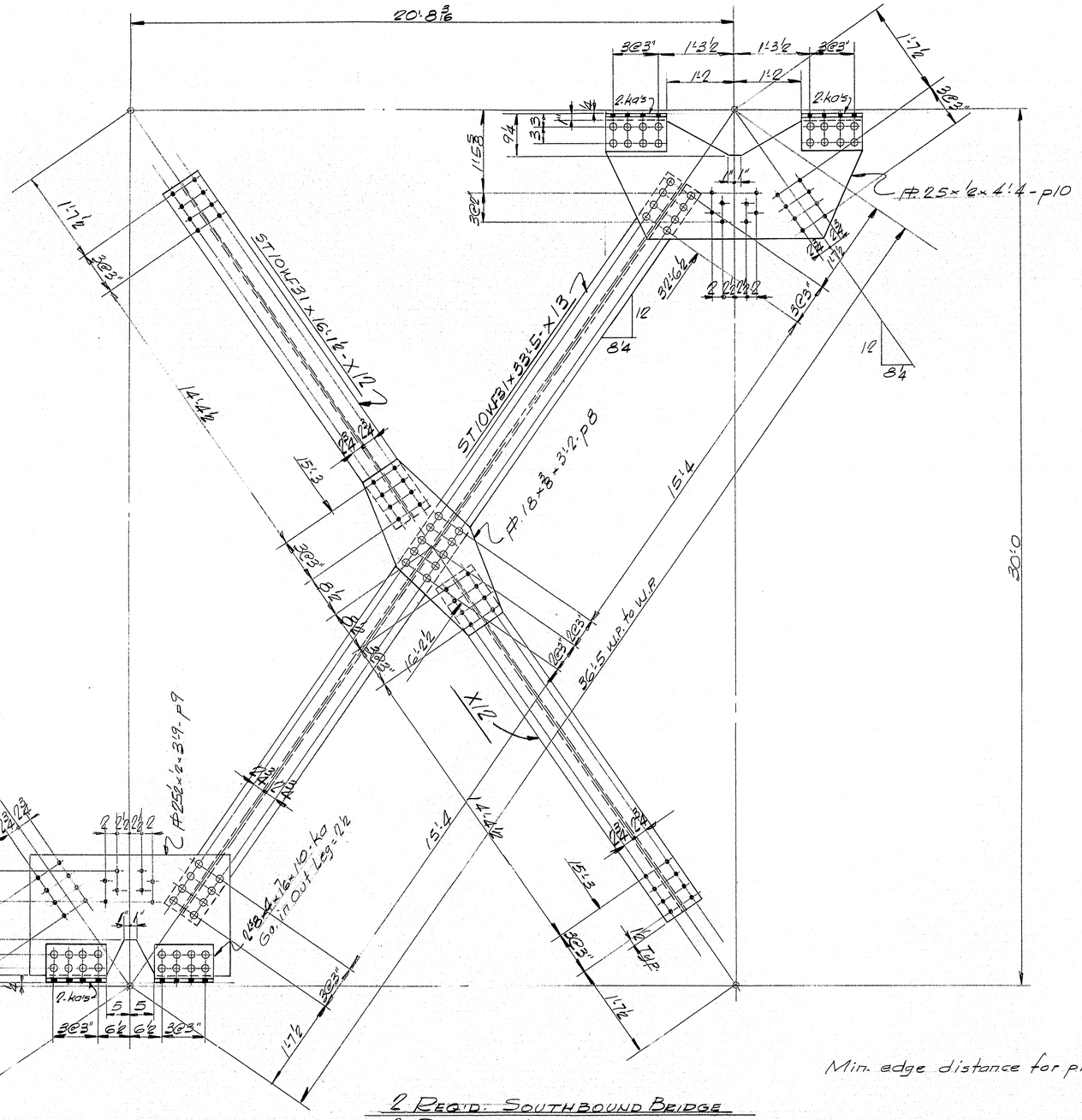
CUSTOMER Ciancchette Bros.
DESIGNER The Clarkeson Engg. Co.

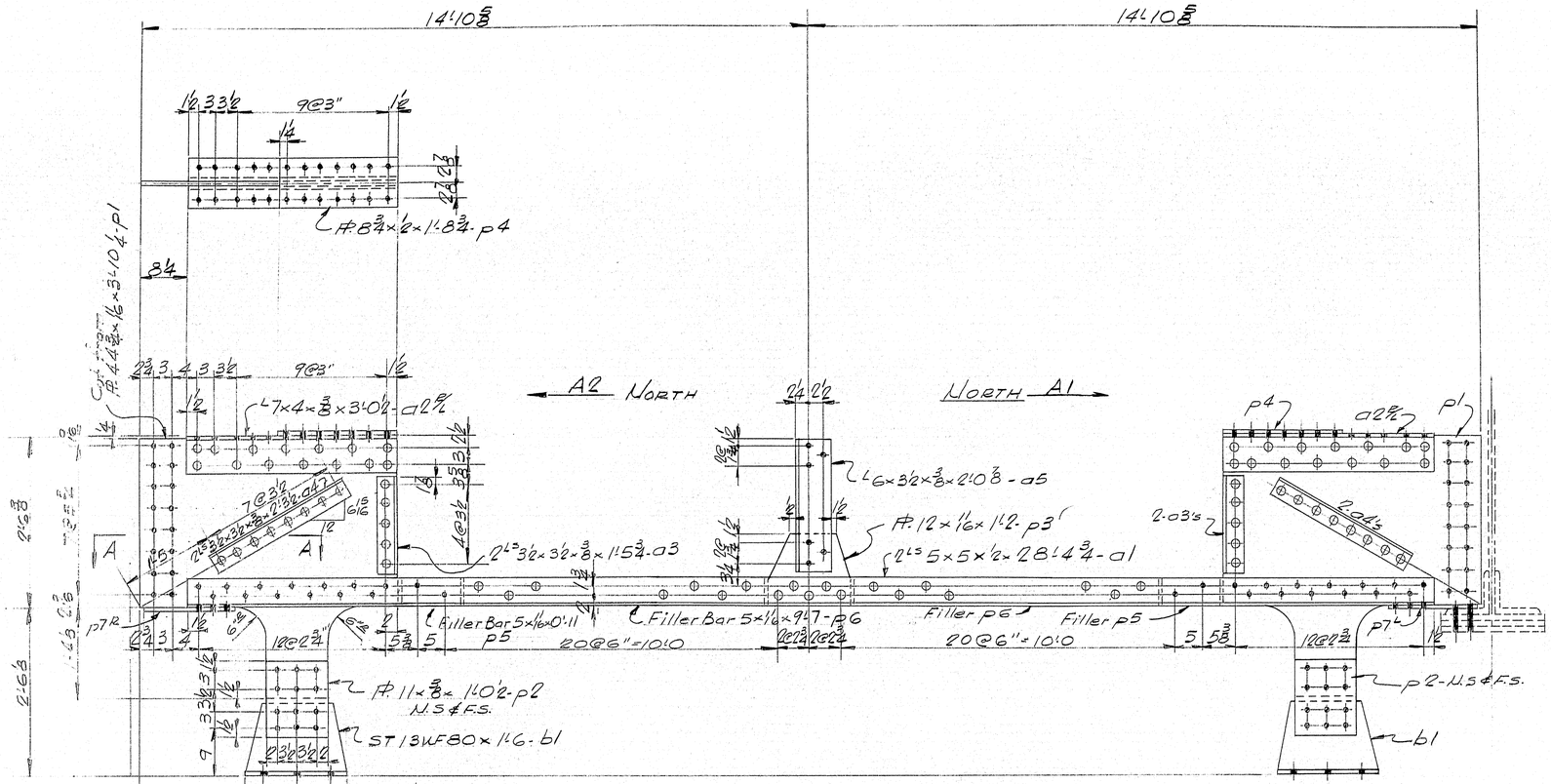
ORDER NO. Verbal | DWG. NO. 9-60-550

APP. 9-22-59

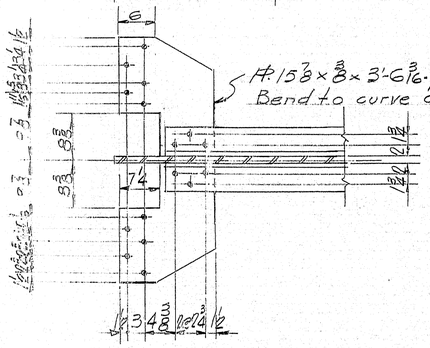
DRAWN	7-21-59	J.P.F.
REVISION		
REVISION		
REVISION		

PRINTED BY SHADPED-MOSS CO., BOSTON, MASS., W ORDER NO. D-3753


20'-8 3/16"
3@3"
1'-3 1/2"
1'-2"
2 Ls 4"x3 1/2"x 5/16"
1'-7 1/2"
3@3"
PL 25" x 1/2" x 4'-4" - P10
ST 10WF31 x 16'-11 1/2" - X12
ST 10WF31 x 33'-5" - X13
PL 18" x 3/8" x 3'-2" P8
PL 25 1/2" x 1/2" x 3'-9" - P9
36'-5 W.P. to W.P.
15'-4
14'-4 1/2"
15'-3
8 1/2"
16'-2 1/2"
3'-0"
3'-2"
8'-4"
12
8 4
2 Ls 4"x3 1/2"x 5/16"
L 4"x3 1/2"x 5/16" x 1'-10" - K2
Go in Out Leg = 1 1/2"
2 Ls 4"x3 1/2"x 5/16"
2 Ls 4"x3 1/2"x 5/16"
2 Ls 4"x3 1/2"x 5/16"
3@3"
6 1/2"
6 1/2"
3@3"
5
5
1'-7 1/2"
1'-7 1/2"
1'-7 1/2"
1'-7 1/2"
3'-2"
3'-2"
3'-0"
1'-1"
1"
3 1/2"
9 1/4"
11 5/8"
3 1/2"
1"
1 1/4"
1 1/4"
1 1/4



Bolt for shipment - ⅞" M. Bolts.
Brace as necessary for shipment.



SECTION "A-A"

ASSEMBLY A1 - As Noted

1 - REQ'D - SOUTHBOUND BRIDGE
1 - REQ'D - NORTHBOUND BRIDGE

ASSEMBLY-A2- As Noted

1 - REQ'D - SOUTHBOUND BRIDGE
1 - REQ'D - NORTHBOUND BRIDGE

SHIP MARK | BILL OF MATERIAL | DWG. NO. 9-60-S52

MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DEDUCT	REMARKS
A1	1		ASSEMBLY	29 9¼	—		
A2	1		Do	29 9¼	—		
	4	a1	L 5×5×½	28 4¾			
	8	a2½	L 7×4×⅜	3 0½			
	8	a3	L 3½×3½×⅜	1 5¾			
	8	a4	Do	2 3½			
	2	a5	L 6×3½×⅜	2 0⅜			
	4	p1	PL 44¾×1/16	3 10¼		416.	
	8	p2	PL 11×⅜	1 0½			
	2	p3	PL 12×1/16	1 2		8.	
	4	p4	PL 8¾×½	1 3¾			
	4	b1	ST 13WF80	1 6		24.	
	4	p5	Bar 5×1/16	0 11			
	4	p6	Do	9 7			
	4	p7½	PL 15⅞×⅜	3 6 13/16		75.	
	388	SHOP	⅞" RIVET HEADS				18¢ per 100
FIELD	46		⅞" H.S. BOLTS	0 2¼			36¢ per 100
Do	6		Do	0 2¾			36¢ per 100
Do	48		Do	0 3			36¢ per 100
Do	60		Do	0 3¼			36¢ per 100
Do	80		Do	0 3½			36¢ per 100
Do	64		Do	0 3¾			36¢ per 100
Do	40		Do	0 5			36¢ per 100
Do	688		⅞" HARD. WASHERS		—		

SOUTHBOUND BRIDGE

MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DEDUCT	REMARKS
A1	1		ASSEMBLY	29 9¼	—		
A2	1		Do	29 9¼	—		
	4	a1	L 5×5×½	28 4¾			
	8	a2½	L 7×4×⅜	3 0½			
	8	a3	L 3½×3½×⅜	1 5¾			
	8	a4	Do	2 3½			
	2	a5	L 6×3½×⅜	2 0⅜			
	4	p1	PL 44¾×1/16	3 10¼		416.	
	8	p2	PL 11×⅜	1 0½			
	2	p3	PL 12×1/16	1 2		8	
	4	p4	PL 8¾×½	1 3¾			
	4	b1	ST 13WF80	1 6		24	
	4	p5	Bar 5×1/16	0 11			
	4	p6	Do	9 7			
	4	p7½	PL 15⅞×⅜	3 6 13/16		75.	
	388	SHOP	⅞" RIVET HEADS				18¢ per 100
FIELD	46		⅞" H.S. BOLTS	0 2¼			36¢ per 100
Do	6		Do	0 2¾			36¢ per 100
Do	48		Do	0 3			36¢ per 100
Do	60		Do	0 3¼			36¢ per 100
Do	80		Do	0 3½			36¢ per 100
Do	64		Do	0 3¾			36¢ per 100
Do	40		Do	0 5			36¢ per 100
Do	688		⅞" HARD. WASHERS		—		

NORTHBOUND BRIDGE

ITEM: 702-103

SHOP CONNECTIONS: ⅞" ø Rivets
FIELD CONNECTIONS: ⅞" ø H.S. Bolts
HOLES: 13/16" ø
PAINT: Per State of Maine Specs. 532 "General Notes" Sh. S15

BRACING DETAIL

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR. CO.

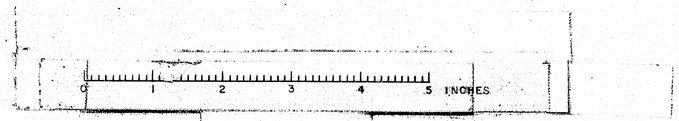
ORDER NO. VERBAL | DWG. NO. 9-60-S52

APP. 9-22-59

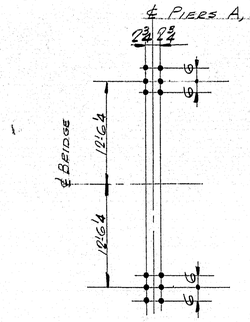
DRAWN	7-23-59	J.P.F.
REVISION	9-26-59	J.P.F.
REVISION		
REVISION		

(L)

77-194

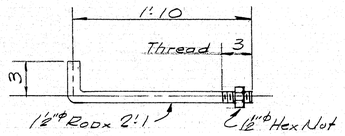


℄ PIERS A, B, L & M

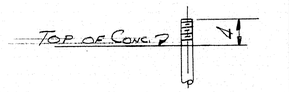


℄ BEDGE

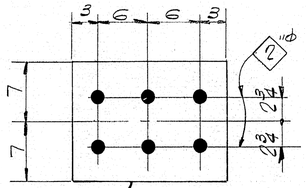
ANCHOR BOLT SETTING



ANCHOR BOLTS A81
48 REQ'D



TYP. SETTING



PL 14 x ¼ x 1'-6" FOR S1
PL 14 x ⅜ x 1'-6" FOR S2
PL 14 x ½ x 1'-6" FOR S3

SHIMS

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

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

DRAWN J.P.F.
CHECKED
APPROVED 10-7-59
RIVETS
HOLES As Noted
PAINT None

JOB INTERSTATE #95 OVER MESSALONSKEE STREAM - WATERVILLE, MAINE
CUSTOMER CIANCHETTE BROS.
ARCHITECT OR ENGINEER THE CLARKESON ENGR. CO.

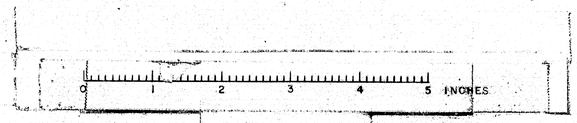
BANCROFT & MARTIN ROLLING MILLS CO.
SOUTH PORTLAND, MAINE

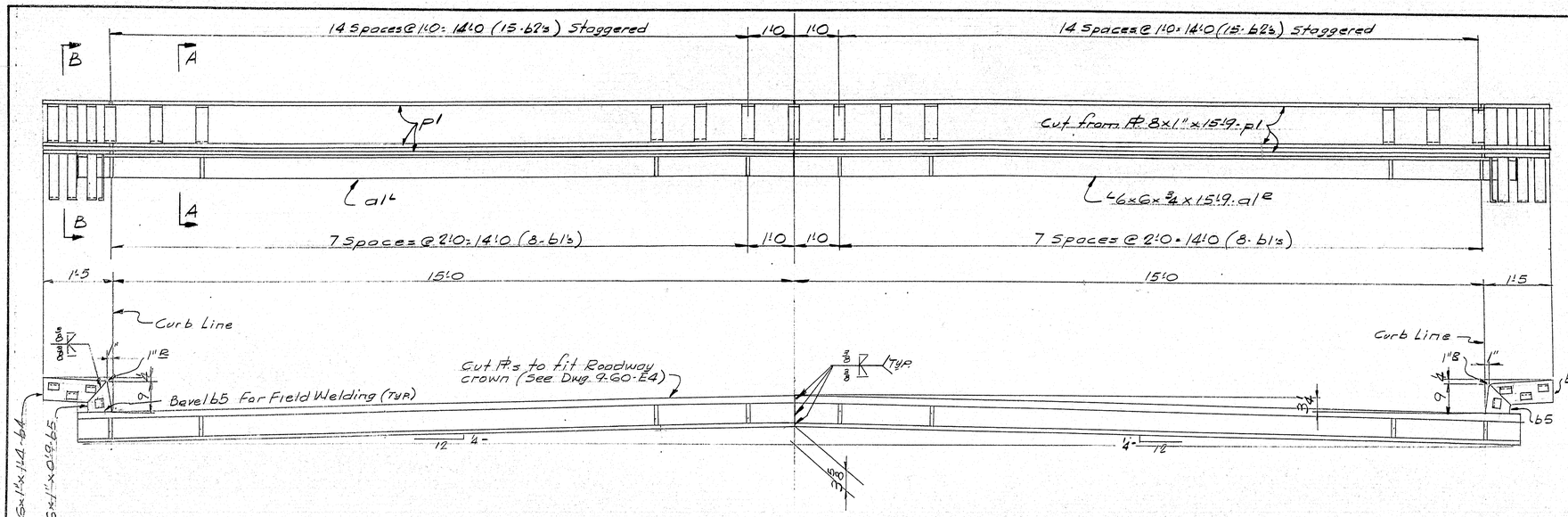
DATE 10-2-59

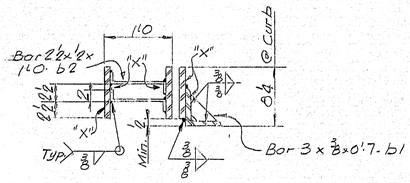
9-60-553

77-195

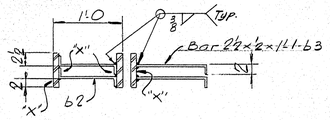
K-E ALBANENE 1961 D. L. M. INC. 61987







SECT. "A-A"

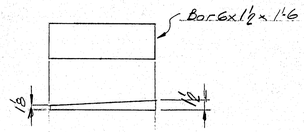


SECT. "B-B"

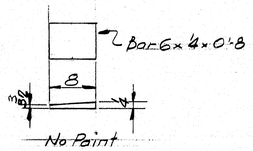
EXPANSION JOINTS-WESTERLY ABUTMENTS

EJ1 - 2 REQ'D.

PAINT NOTE.
No point on all surfaces marked "x" and on all strap anchors.



SHIMS: S1 - 4 REQ'D @ Girders.



SHIMS: S2 - 8 REQ'D @ Stringers

INCLUDE (SHIMS.)

4-S3 - Bar 6"x 1/4"x 1'-6" }
4-S4 - Bar 6"x 3/8"x 1'-6" } @ Girders
8-S5 - Bar 6"x 1/16"x 1'-6" }

8-S6 - Bar 6"x 1/4"x 0'-8" }
8-S7 - Bar 6"x 1/8"x 0'-8" } @ Stringers
16-S8 - Bar 6"x 1/16"x 0'-8" }

No Fab. & No Point on these Items.

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DEDUCT.	REMARKS
EJ1	2		Assembly	31 6	—		
	12	p1	PL 8"x1"	15 9		156.	
	4	a1	L 6"x6"x 3/4"	15 9			
	32	b1	Bar 3"x 3/8"	0 7		30.	
	76	b2	Bar 2 1/2"x 1/2"	1 0			
	16	b3	Do	1 1			
	12	b4	Bar 6"x 1"	1 4		60.	
	12	b5	Do	0 9		60.	
S1	4		Bar 6"x 1/2"	1 6		24.	No Point
S2	8		Bar 6"x 1/4"	0 8		8.	do
S3	4		Bar 6"x 1/4"	1 6			No Fab. No Point
S4	4		Bar 6"x 3/8"	1 6			do do
S5	8		Bar 6"x 1/16"	1 6			do do
S6	8		Bar 6"x 1/4"	0 8			do do
S7	8		Bar 6"x 1/8"	0 8			do do
S8	16		Bar 6"x 1/16"	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.

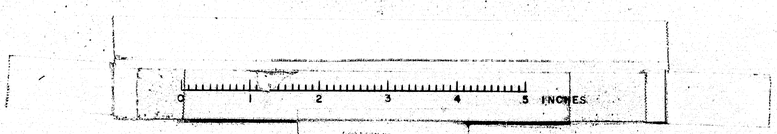
EXPANSION JOINTS - WESTERLY ABUTMENTS
Bancroft & Martin Rolling Mills Company
South Portland 7, Maine
INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE
CUSTOMER Gianchetta Bros.
DESIGNER The Clarkeson Engg. Co.
ORDER NO. Verbal | DWG. NO. 9-60-S54

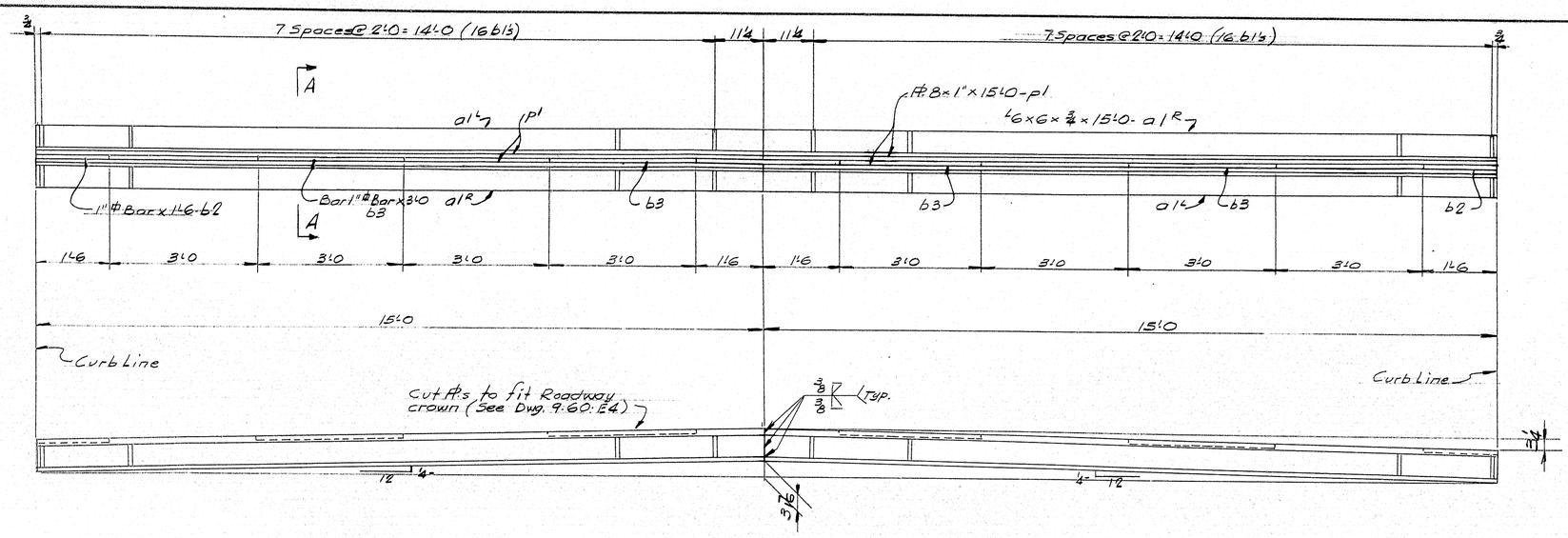
DRAWN	1-25-60	J.P.F.
REVISION		
REVISION		
REVISION		

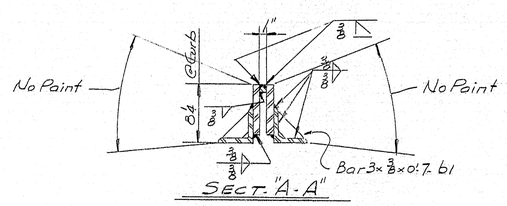
Appr. 2-1-60

(C)

77-196

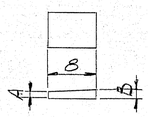






SECT. "A-A"

DRAINAGE SLOTS
DS1 - 6 REQ'D.



No Point
SHIMS

Mk.	No.	A	B	SIZE
S9	8	7/32	3/8	Bar 6 x 3/8 x 0'-8"
S10	60	3/32	1/4	Bar 6 x 1/4 x 0'-8"
S11	4	1 3/32	1/4	Bar 6 x 1/4 x 0'-8"

INCLUDE (SHIMS)
72 - S12 - Bar 6 x 1/4 x 0'-8"
72 - S13 - Bar 6 x 3/8 x 0'-8"
144 - S14 - Bar 6 x 1/16 x 0'-8"
No Fab. & No Point on these Items.

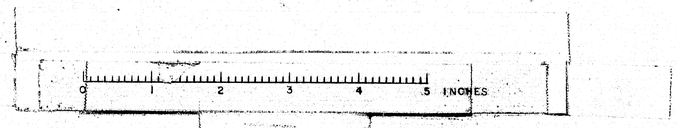
SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DEDUCT	REMARKS
DS1	6		ASSEMBLY	30 0	—		
	24	p1	#8 x 1"	15 0		312.	
	24	a1	L 6 x 6 x 3/4	15 0			
	192	b1	Bar 3 x 3/8	0 7		182.	
	12	b2	1" ⌀ Bar	1 6			
	24	b3	Do	3 0			
S9	8		Bar 6 x 3/8	0 8		8.	No Point
S10	60		Bar 6 x 1/4	0 8		60.	do
S11	4		Bar 6 x 1/4	0 8		4.	do
S12	72		Bar 6 x 1/4	0 8			No Fab - No Point
S13	72		Bar 6 x 3/8	0 8			do do
S14	144		Bar 6 x 1/16	0 8			do do
	985	Lin Ft.	3/8 Fillet Weld				.239# Lin. Ft.

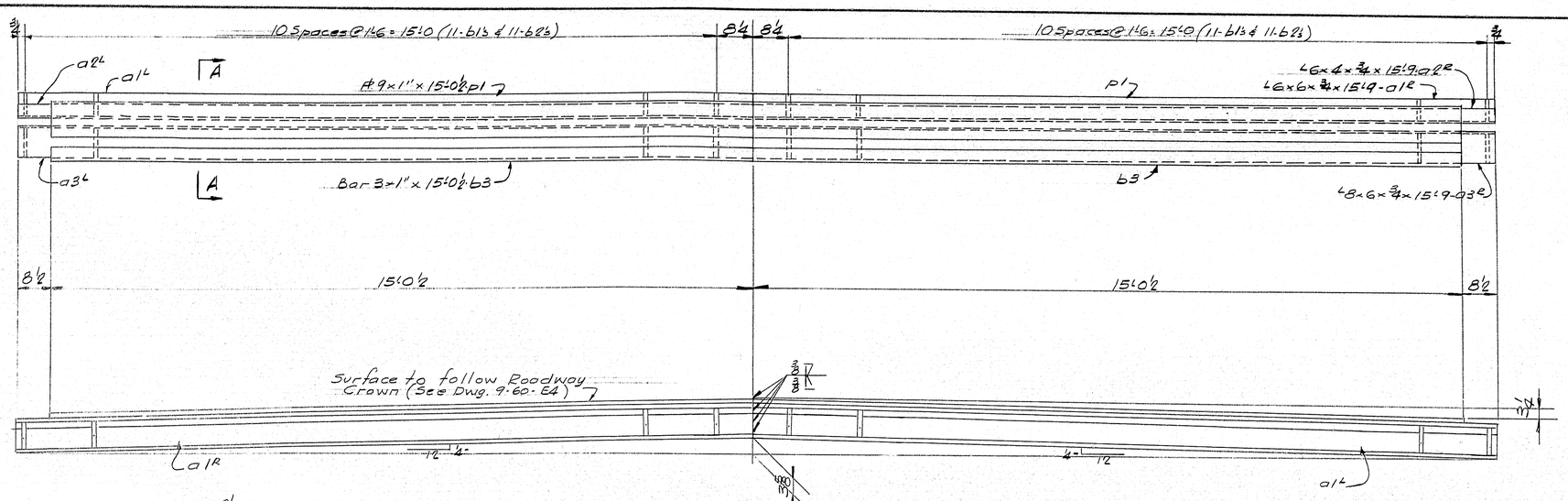
SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES:
PAINT: Per State of Maine Specs & As Noted

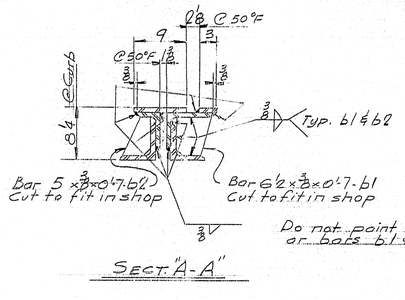
DRAINAGE SLOTS
Bancroft & Martin Rolling Mills Company
South Portland 7, Maine
INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE
CUSTOMER CIANCHETTE BROS.
DESIGNER THE CLARKESON ENGR CO.
ORDER NO. VERBAL DWG. NO. 9-60-555
APP. 2-1-60

DRAWN	1-26-60	J.P.F.
REVISION		
REVISION		
REVISION		

77-197



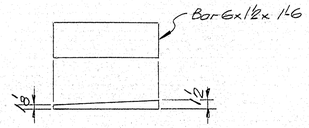




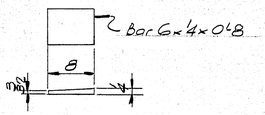
SECT. "A-A"

ROADWAY EXPANSION JOINTS @ HINGES
EJ2 - 4 REQ'D.

NOTE
Shop assemble Roadway Joint.
Fabricate to follow crown of roadway.
Provide shipping devices to maintain spacing & alignment.
Do not paint sliding contact surfaces; rub with grophite.



SHIMS - S1 - 16 REQ'D
@ Girders



SHIMS - S2 - 32 REQ'D.
@ Stringers

INCLUDE (SHIMS

16-S3 - Bar 6 x ¼ x 1'-6
16-S4 - Bar 6 x ⅛ x 1'-6
32-S5 - Bar 6 x 1/16 x 1'-6
— @ Girders

32-S6 - Bar 6 x ¼ x 0'-8
32-S7 - Bar 6 x ⅛ x 0'-8
64-S8 - Bar 6 x 1/16 x 0'-8
— @ Stringers

No Fab & No Point on these Items

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DEDUCT.	REMARKS
EJ2	1		ASSEMBLY	31 6			
	8	pl	#9 x 1"	15 0½			
	16	a1	L 6 x 6 x ¾	15 9			
	8	a2	L 6 x 4 x ¾	15 9			
	8	a3	L 8 x 6 x ¾	15 9			
	88	b1	Bar 6½ x ⅜	0 7		134#	
	88	b2	Bar 5 x ⅜	0 7		188#	
	8	b3	Bar 3 x 1"	15 0½			
S1	16		Bar 6 x 1/16	1 6		9#	No Point
S2	32		Bar 6 x ¼	0 8		32#	do
S3	16		Bar 6 x ¼	1 6			No Fab - No Point
S4	16		Bar 6 x ⅛	1 6			do do
S5	32		Bar 6 x 1/16	1 6			do do
S6	32		Bar 6 x ¼	0 8			do do
S7	32		Bar 6 x ⅛	0 8			do do
S8	64		Bar 6 x 1/16	0 8			do do
	1425	Lin. Ft.	⅜" Fillet Weld				.239# Lin. Ft.

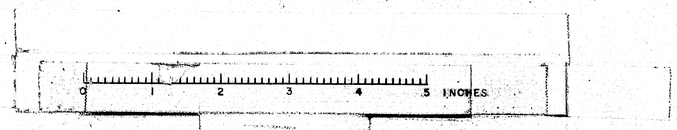
SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES:
PAINT: Per State of Maine Specs as noted.

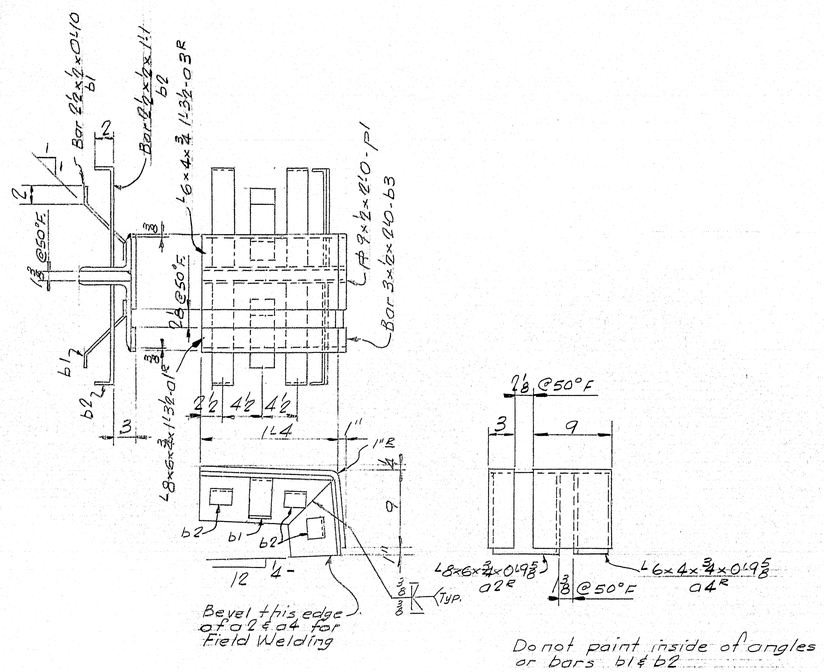
ROADWAY EXPANSION JOINTS @ HINGES
Bancroft & Martin Rollings Mills Company
South Portland 7, Maine
INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE
CUSTOMER Gianchette Bros.
DESIGNER The Clarkeson Engr. Co.
ORDER NO. Verbal | DWG. NO. 9-60-556

APP. 8-1-60

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

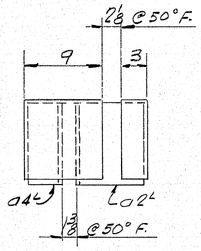
77-198

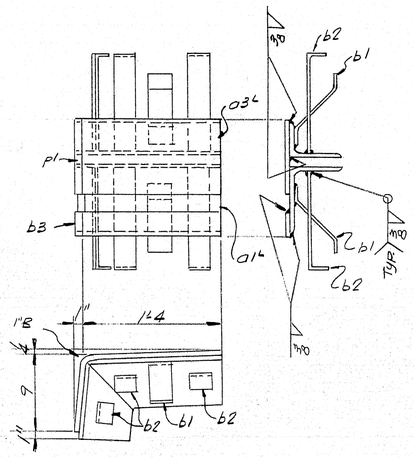




SD1 - 4 REQ'D

Do not paint inside of angles or bars b1 & b2





SD2 - 4 REQ'D

SIDEWALK EXPANSION DAMS @ HINGES.

NOTE
Provide shipping devices to maintain spacing & alignement.
Do not paint sliding contact surfaces; rub with graphite.

SHIP MARK	NO.	MARK	SHAPE	LENGTH		WT.	REMARKS
			BILL OF MATERIAL				DWG. NO. 9-60-557
SD1	4		Assembly				Scale Weigh
SD2	4		Do				do do
	8	pl	PL 9 × ½	2	0		
	8	a1 R	L 8 × 6 × ¾	1	3½		-27 R
	8	a2 E	Do	0	9⅞		-27 R
	8	a3 E	L 6 × 4 × ¾	1	3½		-27 R
	8	a4 E	Do	0	9⅝		-27 R
	16	b1	Bar 2½ × ½	0	10		
	48	b2	Do	1	1		
	8	b3	Bar 3 × ½	2	0		

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

DRAWN	1-27-60	J.P.F.
REVISION	2-2-60	J.P.F.
REVISION		
REVISION		

APP. 2-1-60

SIDEWALK EXPANSION JOINTS & HINGES

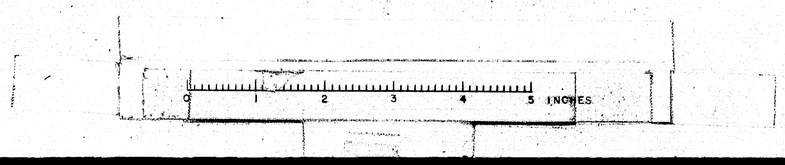
Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

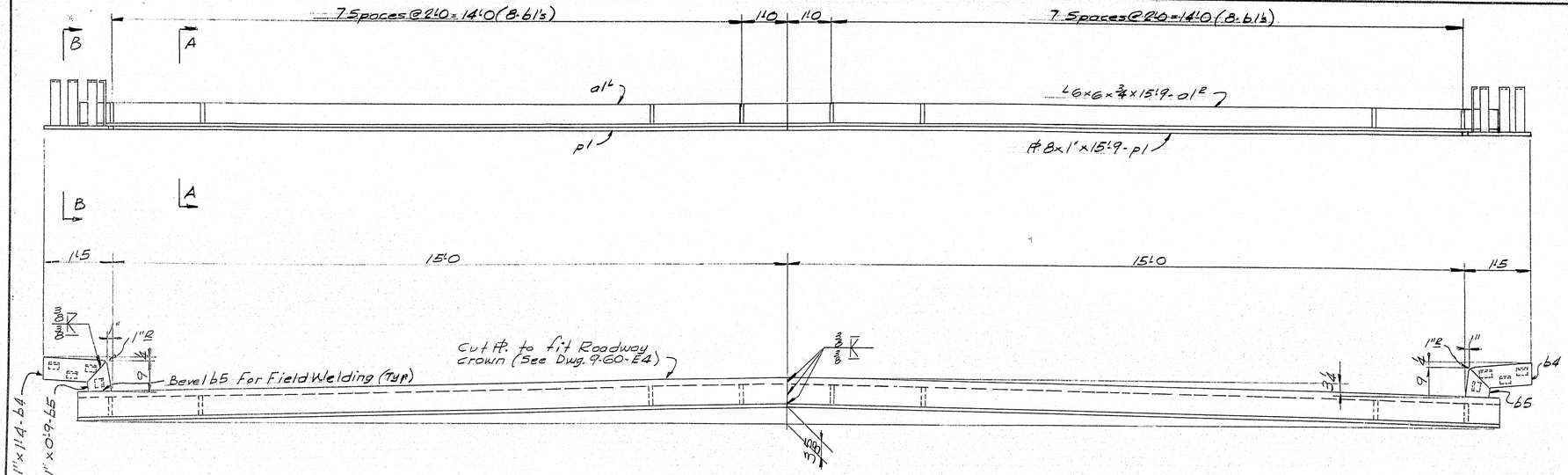
INTERSTATE #95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

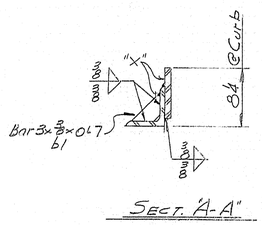
CUSTOMER Gianchetta Bros
DESIGNER The Clarkeson Engr Co.

ORDER NO. Verbal | DWG. NO. 9-60-557

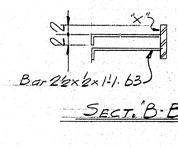
PRINTED BY BLUELINE PRINTING CO. PORTLAND, MAINE. NO LONGER VALID







SECT. 'A-A"

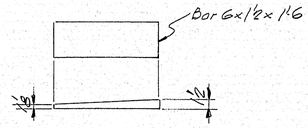


SECT. 'B-B'

EXPANSION JOINTS: PIERS C & N

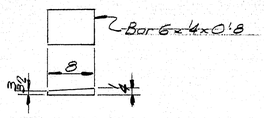
EJ3: 2 REQ'D.

PAINT NOTE.
No paint on all surfaces marked "x" and on all strap anchors.



No Paint

SHIMS - Sl - 4 REQ'D @ Girders.



No Paint

SHIMS - Sl. 8 REQ'D. @ Stringers

INCLUDE (SHIMS)

4 - S3 - Bar 6 x 4 x 1'-6"]
4 - S4 - Bar 6 x 3/8 x 1'-6"] @ Girders
8 - S5 - Bar 6 x 1/6 x 1'-6"]

8 - S6 - Bar 6 x 4 x 0'-8"]
8 - S7 - Bar 6 x 3/8 x 0'-8"] @ Stringers
16 - S8 - Bar 6 x 1/6 x 0'-8"]

No Fab & No Point on these Items.

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. DEDUCT	REMARKS
EJ3	2		ASSEMBLY	31 6	—		
	4	a1 1/2	L 6 x 6 x 3/4	15 9			
	4	p1	PL 8 x 1"	15 9		52.	
	32	b1	Bar 3 x 3/8	0 7		30.	
	16	b3	Bar 2 1/2 x 1/2	1 1			
	4	b4	Bar 6 x 1"	1 4		20.	
	4	b5	Do	0 9		20.	
S1	4		Bar 6 x 1/2	1 6		24.	No Point
S2	8		Bar 6 x 4	0 8		8.	do
S3	4		Bar 6 x 4	1 6			No Fab - No Point
S4	4		Bar 6 x 3/8	1 6			do do
S5	8		Bar 6 x 1/6	1 6			do do
S6	8		Bar 6 x 4	0 8			do do
S7	8		Bar 6 x 3/8	0 8			do do
S8	16		Bar 6 x 1/6	0 8			do do
	180		Lin. Ft. 3/8 Fillet Weld				.234 # Lin. Ft.

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

APP 2-1-60

EXPANSION JOINTS PIERS C & N

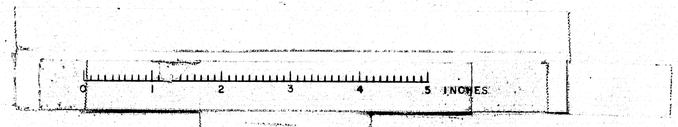
Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

INTERSTATE # 95 - OVER MESSALONSKEE STREAM
WATERVILLE, MAINE

CUSTOMER Cianchette Bros.
DESIGNER The Clarkeson Engr. Co.

ORDER NO. VERBAL DWG. NO. 9-60-S58

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



77-200

B.P.R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6(23)123	1	24

STATE OF MAINE
STATE HIGHWAY COMMISSION

PLANS

WATERVILLE

KENNEBEC COUNTY

MAINE FEDERAL AID INTERSTATE #95

PROJECT NO. I-95-6(23)123 PART I

TOTAL LENGTH 0.050 MILES

SCALES
- PLAN — 1 IN. = 50 FT.
- PROFILE — HOR. 1 IN. = 50 FT.; VER. 1 IN. = 5 FT.
- CROSS SECTIONS — 1 IN. = 10 FT.

INTERSTATE *95 BRIDGE OVER MAINE CENTRAL R.R. AND COUNTY ROAD

INDEX OF SHEETS

1 _____ TITLE SHEET
2-3 ___ TYPICAL SECTIONS
4 _____ SPECIAL DETAILS
5 _____ GENERAL PLAN STA. 1036+00 to STA. 1052+00
6 _____ PROFILE STA. 1037+00 to STA. 1053+00
7-18 ___ BRIDGE SHEETS

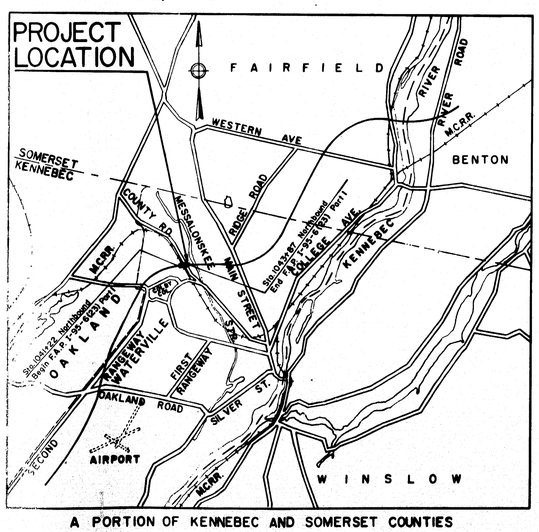
AS BUILT
1960

CONVENTIONAL SIGNS

STATE OR NATIONAL LINE		SURVEY LINE	
COUNTY LINE		CULVERT	
TOWN LINE		DROP INLET	
UNFENCED PROPERTY		TROLLEY POLE	
FENCE		POWER POLE	
RIGHT OF WAY LINE		TEL. POLE	
TRAVELED WAY		MARSH	
RAILROAD		TREES	
RETAINING WALL		STONE WALL	

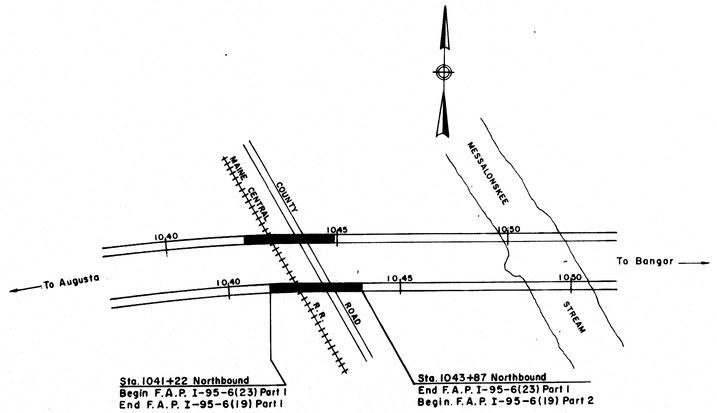
Interstate *95 shall be constructed to Top of Gravel Base only, within the Limits indicated on the Plans. Construction of Maine Central Railroad-County Road Bridge is included in this Contract.
Other Concurrent Contracts within the Limits of this Project are:
F.A.P. I-95-6(19) Part 1 and
F.A.P. I-95-6(19) Part 2.

All work contemplated under this Contract to be Governed by and in conformity with the Standard Specifications, Highways and Bridges, Revision of Jan. 1956, except as modified on these Plans And by the Special Provisions.



A PORTION OF KENNEBEC AND SOMERSET COUNTIES

APPROX. SCALE 1IN. = 1 MILE



LAYOUT PLAN

SCALE: 1" = 200'

A.D.T.(1960)	= 7050
A.D.T.(1980)	= 9620
D.H.V.(1980)	= 1443
D.(1980)	= 65%
T.(1980)	= 15%
V.(M.P.H.)	= 60

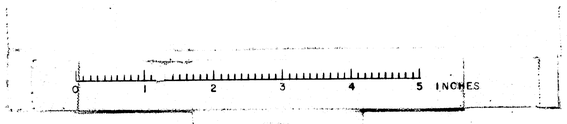
APPROVED:
MAINE CENTRAL RAILROAD CO.
_____ CHIEF ENGINEER.

APPROVED:
MAINE STATE HIGHWAY COMMISSION
_____ CHAIRMAN
_____
_____
_____ CHIEF ENGINEER

CONSULTING ENGINEERS
THE CLARKESON ENGINEERING COMPANY, INC.
BOSTON MASS.
_____ CONSULTING ENGINEER
9/26/58 DATE

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
REGION 1
APPROVED:
_____ DIVISION ENGINEER _____ DATE

75-101



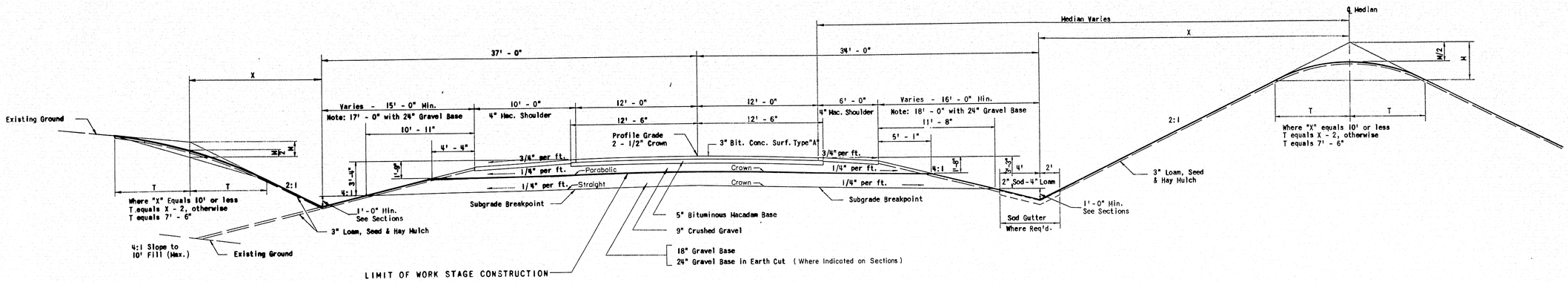
C. B. CO., NO. 370 17686

B. P. R. RES NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6(23)	2	78

WATERVILLE INTERSTATE

GRADING CONTRACT — STAGE CONSTRUCTION

INTERSTATE #95 TO BE CONSTRUCTED TO TOP OF GRAVEL BASE ONLY UNLESS OTHERWISE INDICATED



TYPICAL SECTION - NORMAL

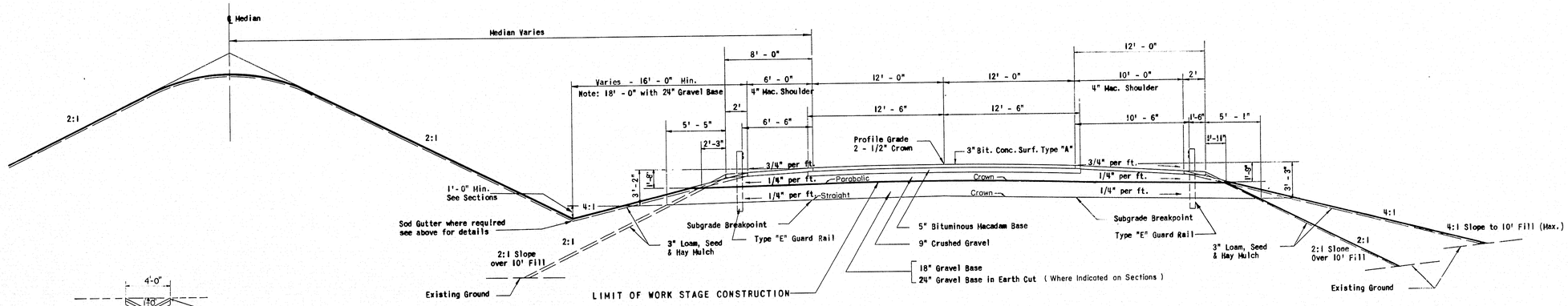
Scale: 1" = 5'

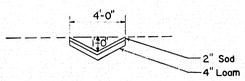
SOUTHBOUND INTERSTATE

10' PAVED SHOULDER	CY/100 L.F.
4" Bituminous Macadam Surface	12.19
Crushed Gravel Base (to 4:1 Slope)	36.33
18" Gravel Base (to 4:1 Slope)	91.92
24" Gravel Base (to 4:1 Slope)	130.64

24' PAVEMENT	CY/100 L.F.
3" Bituminous Concrete Surface	22.22
5" Bituminous Macadam Base (25' Wide)	38.58
9" Crushed Gravel Base	66.67
18" Gravel Base	136.42
24" Gravel Base	180.87

6' PAVED SHOULDER	CY/100 L.F.
4" Bituminous Macadam Surface	7.25
Crushed Gravel Base (to 4:1 Slope)	27.46
18" Gravel Base (to 4:1 Slope)	73.74
24" Gravel Base (to 4:1 Slope)	106.40





SODDED "V" DITCH

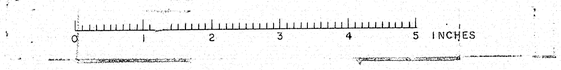
TYPICAL SECTION - NORMAL

Scale: 1" = 5'

NORTHBOUND INTERSTATE

8' PAVED SHOULDER	CY/100 L.F.
4" Bituminous Macadam Surface	9.72
Crushed Gravel Base (to 2:1 Slope)	29.23
18" Gravel Base (to 2:1 Slope)	62.80

12' PAVED SHOULDER	CY/100 L.F.
4" Bituminous Macadam Surface	14.66
Crushed Gravel Base (to 2:1 Slope)	38.14
18" Gravel Base (to 2:1 Slope)	83.09



MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

TYPICAL SECTIONS

THE CLARKESON ENGINEERING CO., INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS

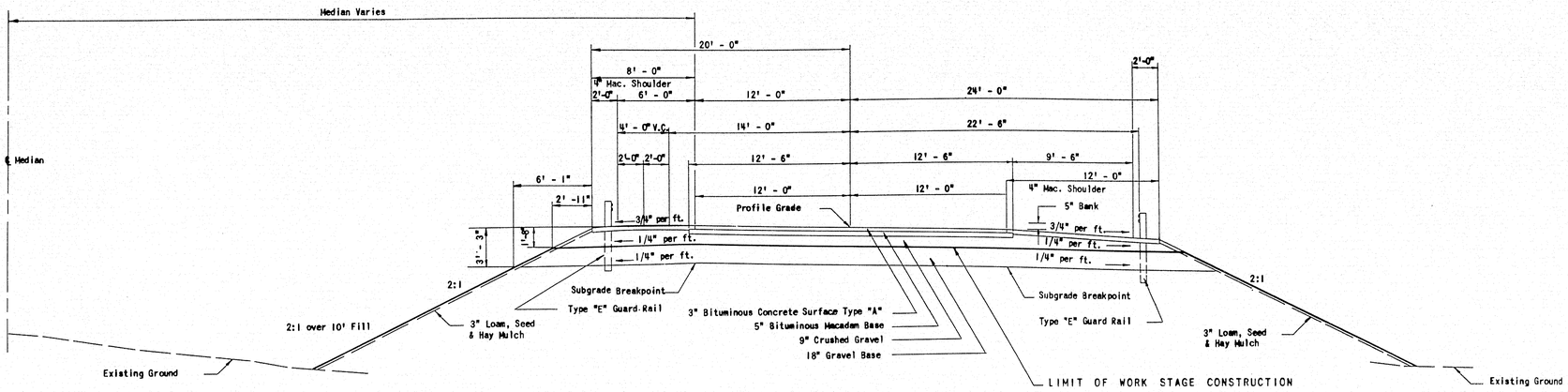
75-102

B. P. R. RE & NO.	STATE	FED AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	I — 95 — 6(23)	3	78 24

WATERVILLE INTERSTATE

GRADING CONTRACT — STAGE CONSTRUCTION

INTERSTATE 95 TO BE CONSTRUCTED TO TOP OF GRAVEL BASE ONLY UNLESS OTHERWISE INDICATED



24" PAVEMENT	C.Y./100 L.F.
3" Bituminous Concrete Surface	22.22
5" Bituminous Macadam Base (25' Wide)	38.58
9" Crushed Gravel Base	66.67
18" Gravel Base	133.33
24" Gravel Base	177.78

8' PAVED SHOULDER	C.Y./100 L.F
4" Bituminous Macadam Surface	9.72
Crushed Gravel Base (to 2:1 Slope)	38.37
18" Gravel Base (to 2:1 Slope)	66.15

TYPICAL SECTION - SUPERELEVATED

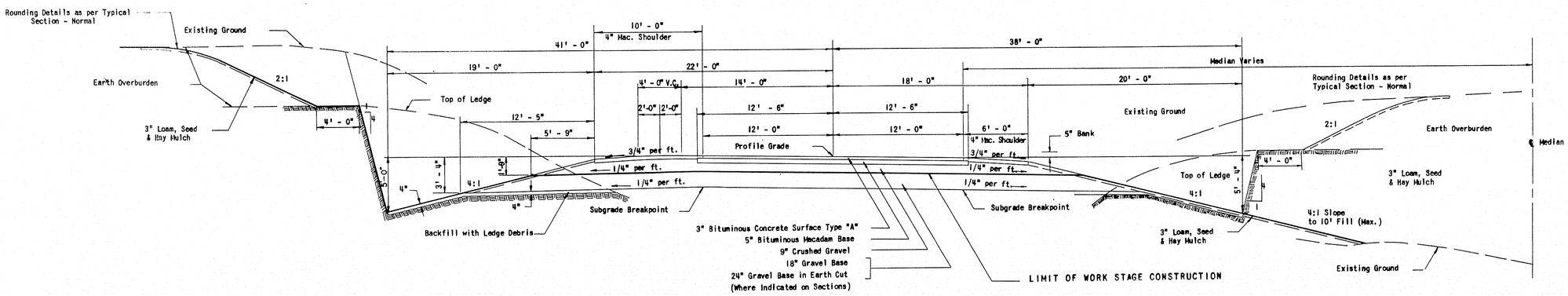
Showing B = 5" Superelevation for D = 0° - 30'

Scale: 1" = 5'

NORTHBOUND INTERSTATE

12' PAVED SHOULDER

For Quantities see Typical Section - Normal



10' PAVED SHOULDER	C.Y./100 L.F.
4" Bituminous Macadam Surface	12.19
Crushed Gravel Base (to 4:1 Slope)	49.67
18" Gravel Base (to 4:1 Slope)	99.67
24" Gravel Base (to 4:1 Slope)	141.00

TYPICAL SECTION - SUPERELEVATED

Showing B = 5" Superelevation for D = 0° - 30'

Scale: 1" = 5'

SOUTHBOUND INTERSTATE

6' PAVED SHOULDER

For Quantities see Typical Section - Normal

0 1 2 3 4 5 INCHES

MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

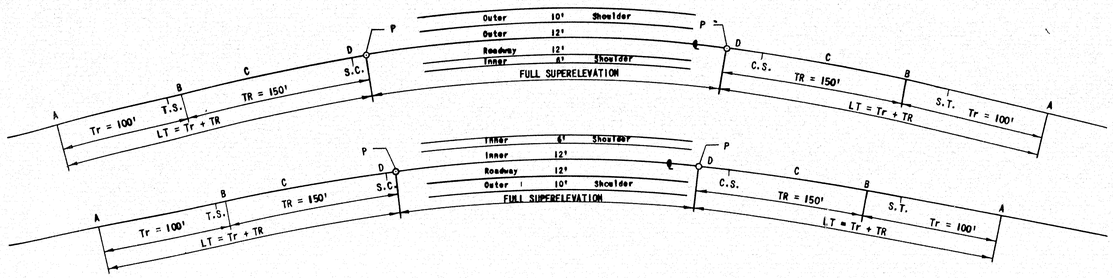
TYPICAL SECTIONS

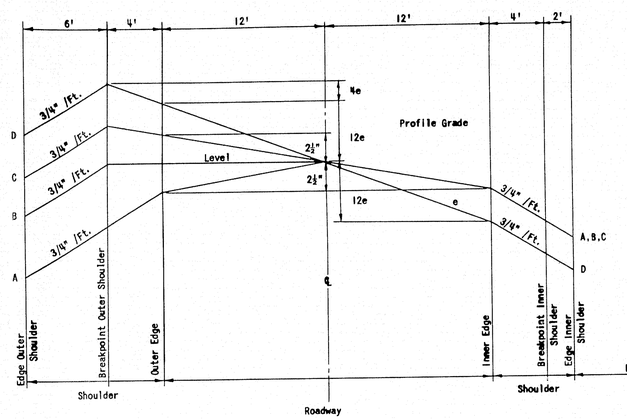
THE CLARKESON ENGINEERING CO.,INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS

75-103

B. P. R. DIV. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6(23)	4	424

WATERVILLE INTERSTATE

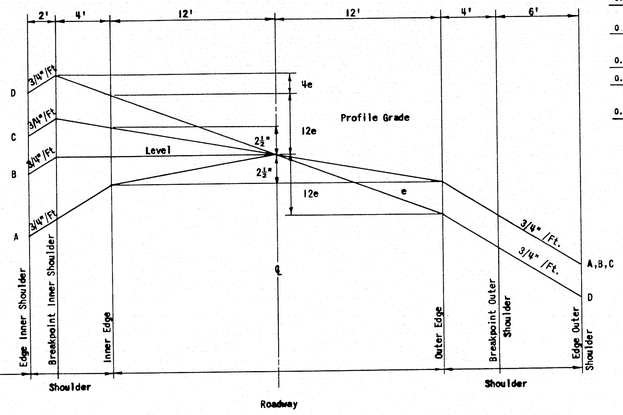




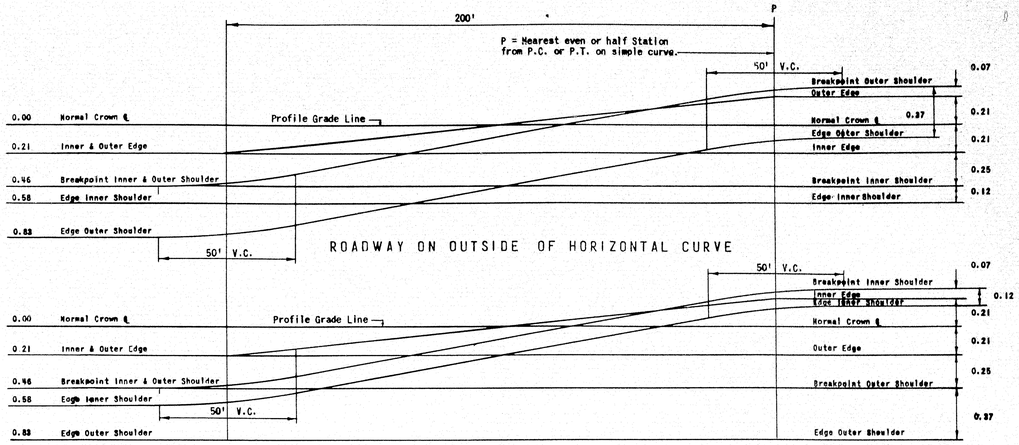
OUTER ROADWAY

BANKING DIAGRAM

1° - 30'



INNER ROADWAY



ROADWAY ON OUTSIDE OF HORIZONTAL CURVE

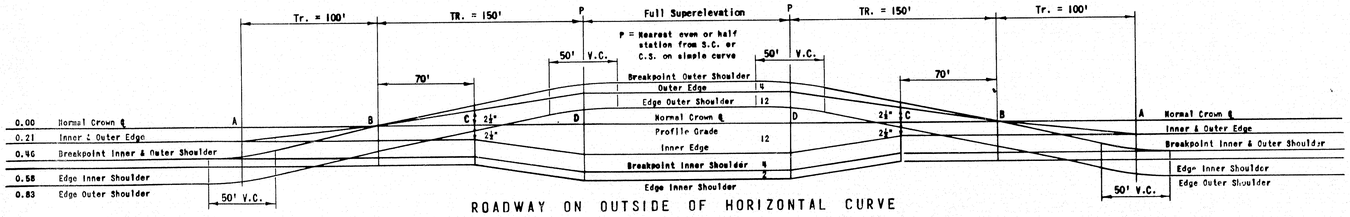
ROADWAY ON INSIDE OF HORIZONTAL CURVE

EDGE PROFILES D = 0°- 30'

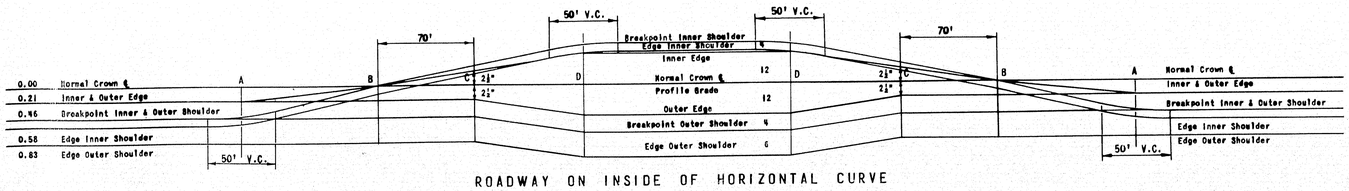
(SPIRALS NOT REQUIRED)

D = 0° - 30'

Distance From "P" Along ℄	OUTER ROADWAY							INNER ROADWAY						
	Edge Outer Shoulder	Breakpoint Outer Shoulder	Outer Edge	℄	Inner Edge	Breakpoint Inner Shoulder	Edge Inner Shoulder	Edge Inner Shoulder	Breakpoint Inner Shoulder	Inner Edge	℄	Outer Edge	Breakpoint Outer Shoulder	Edge Outer Shoulder
Full Sup.ele	-0.09	+0.28	+0.21	0.00	-0.21	-0.46	-0.58	+0.16	+0.28	+0.21	0.00	-0.21	-0.46	-0.83
P	-0.11	+0.26	+0.21	0.00	-0.21	-0.46	-0.58	+0.14	+0.26	+0.21	0.00	-0.21	-0.46	-0.83
50	-0.28	+0.09	+0.105	0.00	-0.21	-0.46	-0.58	-0.03	+0.09	+0.105	0.00	-0.21	-0.46	-0.83
100	-0.46	-0.09	0.00	0.00	-0.21	-0.46	-0.58	-0.21	-0.09	0.00	0.00	-0.21	-0.46	-0.83
150	-0.65	-0.28	-0.105	0.00	-0.21	-0.46	-0.58	-0.40	-0.28	-0.105	0.00	-0.21	-0.46	-0.83
200	-0.81	-0.44	-0.21	0.00	-0.21	-0.46	-0.58	-0.56	-0.44	-0.21	0.00	-0.21	-0.46	-0.83
Normal	-0.83	-0.46	-0.21	0.00	-0.21	-0.46	-0.58	-0.58	-0.46	-0.21	0.00	-0.21	-0.46	-0.83



ROADWAY ON OUTSIDE OF HORIZONTAL CURVE



ROADWAY ON INSIDE OF HORIZONTAL CURVE

D = 1° - 30'

Distance From "P" Along ℄	OUTER ROADWAY							INNER ROADWAY						
	Edge Outer Shoulder	Breakpoint Outer Shoulder	Outer Edge	℄	Inner Edge	Breakpoint Inner Shoulder	Edge Inner Shoulder	Edge Inner Shoulder	Breakpoint Inner Shoulder	Inner Edge	℄	Outer Edge	Breakpoint Outer Shoulder	Edge Outer Shoulder
Full Sup.ele	+ 0.23	+ 0.60	+ 0.45	0.00	- 0.45	- 0.70	- 0.83	+ 0.48	+ 0.60	+ 0.45	0.00	- 0.45	- 0.70	- 1.07
P	+ 0.21	+ 0.58	+ 0.45	0.00	- 0.45	- 0.70	- 0.83	+ 0.46	+ 0.58	+ 0.45	0.00	- 0.45	- 0.70	- 1.07
50	+ 0.03	+ 0.40	+ 0.30	0.00	- 0.30	- 0.55	- 0.67	+ 0.28	+ 0.40	+ 0.30	0.00	- 0.30	- 0.55	- 0.92
100	- 0.17	+ 0.20	+ 0.15	0.00	- 0.21	- 0.46	- 0.58	+ 0.08	+ 0.20	+ 0.15	0.00	- 0.21	- 0.46	- 0.83
150	- 0.37	0.00	0.00	0.00	- 0.21	- 0.46	- 0.58	- 0.12	0.00	0.00	0.00	- 0.21	- 0.46	- 0.83
200	- 0.60	- 0.23	- 0.105	0.00	- 0.21	- 0.46	- 0.58	- 0.35	- 0.23	- 0.105	0.00	- 0.21	- 0.46	- 0.83
250	- 0.80	- 0.43	- 0.21	0.00	- 0.21	- 0.46	- 0.58	- 0.55	- 0.43	- 0.21	0.00	- 0.21	- 0.46	- 0.83
Normal	- 0.83	- 0.46	- 0.21	0.00	- 0.21	- 0.46	- 0.58	- 0.58	- 0.46	- 0.21	0.00	- 0.21	- 0.46	- 0.83

SUPERELEVATION CHART

P = Point of Full Superelevation, nearest even or half station on Simple Curve, unless otherwise noted,
e = Rate of Superelevation (foot per foot).
Tr = Tangent Runout (100 feet).
TR = Transition Runoff (Varies).
LT = Total Length of Transition (Tr + T).

NOTES:

1. All distances are in feet and are added (+) to or subtracted (-) from Profile Elevation.
2. Fifty (50) foot Vertical Curves, shown, are to be used when grade changes are more than 0.30%.

THE CLARKESON ENGINEERING CO., INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS

MAINE STATE HIGHWAY COMMISSION
AUGUSTA MAINE

SPECIAL DETAILS

SUPERELEVATION DATA

75-105

0 1 2 3 4 5 INCHES

B. P. R. REG NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6 (23)	5	24

WATERVILLE INTERSTATE

Construction ℄
Southbound
P. I. Sta. 1022 + 87.08
Δ = 66°-31'-16"
Δc = 63°-31'-16"
Dc = 1°-30'-00"
Lc = 4234.74'
Tc = 2364.69'
Rc = 3819.72'
Es = 748.83'
Δs = 1°-30'-00"
Ls = 200.00'
Xs = 199.99'
Ys = 1.74'
Ts = 2605.61'
Full Superelevation
Sta. 999+00 to Sta. 1041+50

Construction ℄
Northbound
P. I. Sta. 1021 + 28.93
Δ = 66°-52'-09"
Δc = 63°-52'-09"
Dc = 1°-30'-00"
Lc = 4257.94'
Tc = 2380.77'
Rc = 3819.72'
Es = 757.97'
Δs = 1°-30'-00"
Ls = 200.00'
Xs = 199.99'
Ys = 1.74'
Ts = 2622.24'
Full Superelevation
Sta. 997+50 to Sta. 1039+50

SEE SHEET 22

MAINE

Western Union Telegraph Co.

W.U.T. # 83/10

COUNTY ROAD

CENTRAL R.R.

MESSALONSKEE STREAM

COLBY COLLEGE

JOHN H. STETSON

STA. 1045+50 SOUTHBOUND LIMIT OF WORK

STA. 1041+50 SOUTHBOUND LIMIT OF WORK

STA. 1042+75 SOUTHBOUND LIMIT OF WORK (By Others)

STA. 1044+20 SOUTHBOUND LIMIT OF WORK (By Others)

STA. 1050+50 SOUTHBOUND LIMIT OF WORK (By Others)

1040+50 to 1041+50 100'x2' Ditch Sodded (By Others)

C.S. 1041+16.22

S.T. 1043+16.22

20'-Sodded 'V' Ditch

Grade to Drain (By Others)

~~Hand-Laid Riprap 1-6 in Depth~~, Under 4 Bridge Downspouts.

SOUTHBOUND INTERSTATE #95

NORTHBOUND INTERSTATE #95

N 88°-28'-52"E 3418.65'

N 88°-02-01"E. 3627.52'

Approx. Location of Temporary Railroad Grade Crossing

66.2° RCP DITCH

Line of Improvement

Woods-Small Mixed Growth

STA. 1041+22 NORTHBOUND END F.A.P. I-95-6(19) PART 1 (By Others)

1039+30 to 1042+05 Rt.

280'x2' Ditch of Hand-Laid Riprap Min. Depth 1' (By Others)

C.S. 1039+64.64

S.T. 1041+64.64

STA. 1043+87 NORTHBOUND BEGIN F.A.P. I-95-6(19) PART 2 (By Others)

STA. 1043+10 NORTHBOUND LIMIT OF WORK (By Others)

STA. 1049+50 NORTHBOUND LIMIT OF WORK (By Others)

STA. 1047+56 NORTHBOUND END F.A.P. I-95-6(19) PART 2 (By Others)

STA. 1041+70 NORTHBOUND LIMIT OF WORK (By Others)

Woods

STA. 1041+22 NORTHBOUND BEGIN F.A.P. I-95-6(23) PART 1

STA. 1043+87 NORTHBOUND END F.A.P. I-95-6(23) PART 1

Temporary relocation of wire service buried cable during construction of Project I-95-6(19) and I-95-6(23) Part 1

STA. 1040+50 NORTHBOUND LIMIT OF WORK

STA. 1044+50 NORTHBOUND LIMIT OF WORK

12" C.M.P.

Pipe

Line of Improvement

R/W

150'

100'

FOR REVISED LIMITS OF WORK SEE CHANGE ORDER No. 2

Photogrammetric Map by LOCKWOOD, KESSLER & BARTLETT, INC. Syosset, New York
Date of Photography 11-11-57

0 1 2 3 4 5 INCHES

75-106

B.P.R. REG. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	I - 95 - 6 (23)	6	214

WATERVILLE INTERSTATE

FOR REVISED LIMITS OF WORK SEE CHANGE ORDER NO. 2

STA 1042+75 SOUTHBOUND
LIMIT OF WORK
(By Others)

STA 1043+10 NORTHBOUND
LIMIT OF WORK (By Others)

STA. 1043+87 NORTHBOUND
BEGIN F.A.P. I-95-6(19) PART 2 (By Others)

STA. 1044+20 SOUTHBOUND
LIMIT OF WORK (By Others)

STA. 1047+56 NORTHBOUND
END F.A.P. I-95-6(19) PART 2
(By Others)

STA. 1050+50 SOUTHBOUND
LIMIT OF WORK
(By Others)

STA. 1049+50 NORTHBOUND
LIMIT OF WORK
(By Others)

STA 1041+70 NORTHBOUND
LIMIT OF WORK
(By Others)

STA. 1041+22 NORTHBOUND
END F.A.P. I-95-6(19) PART 1
(By Others)

Sta. 1040+50 Northbound
Limit of Work

Sta. 1044+50 Northbound
Limit of Work

Sta. 1041+22 Northbound
Begin F.A.P. I-95-6(23) Part 1

Sta. 1043+87 Northbound
End F.A.P. I-95-6(23) Part 1

Sta. 1041+50 Southbound
Limit of Work

Sta. 1045+50 Southbound
Limit of Work

Existing Ground Southbound
Existing Ground Northbound

Construct to Top of 18" Gravel Base only.

Finished Grade Southbound
Finished Grade Northbound

-2.16%

-2.09%

-2.09%

V.C. = 1200'

V.C. = 1200'

Southbound H.L.S.D. = 850± d = 8.38' C = 42"

Northbound H.L.S.D. = 950± d = 7.74' C = 46"

Construct to Top of 18" Gravel Base only. Northbound (By Others)

Construct to Top of 24" Gravel Base only. Southbound (By Others)

Construct to Top of 18" Gravel Base only. (By Others)

P.V.I. Sta. 1051+25
151.27
Northbound

P.V.I. Sta. 1052+50
152.69
Southbound

Southbound 24"–18" Gravel Base (By Others)

Messalonskee Stream

		1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053
South-bound	Existing Grade	190.0	189.3	182.7	178.8	174.0	162.0	146.0	146.0	130.0	130.0	128.3	123.3	116.9	93.0	90.7	95.0	100.7
	Finished Grade	185.09	183.00	180.91	178.82	176.73	174.64	172.55	170.46	168.37	166.28	164.24	162.62	161.46	160.54	160.79	161.49	
North-bound	Existing Grade	191.4	185.0	178.6	165.0	153.0	144.0	140.0	131.1	127.0	109.2	104.2	107.9	85.6	92.2	95.5	106.0	119.9
	Finished Grade	182.05	179.89	177.73	175.57	173.41	171.25	169.09	166.93	164.77	162.73	161.11	159.92	159.15	158.82	158.96	159.45	160.40

INTERSTATE #95 (WATERVILLE INTERSTATE)

0 1 2 3 4 5 INCHES

75-107

75-143

B. P. R. REG. NO.	STATE	PROJECT NO.	SHEET NO.
J.	MAINE	2-98-8(124)	23

NO.	BY	DATE

ORIGINAL SURVEY	SURVEYED	R.E. Butler 4-1947
	PLOTTED	L.J.P. 5-7-47
NOTE BOOK	TEMPLATE	
	AREAS	
	AREAS CHECKED	

FINAL SURVEY	SURVEYED	
	PLOTTED	
NOTE BOOK	TEMPLATE	
	AREAS	
	AREAS CHECKED	

PLATE 3 - CROSS SECTION. O. P. R. & E. STANDARD
HOUSEL & KIESER CO., NEW YORK.

5 INCHES.

SH. 18A OF 44

FINAL SURVEY		BY	DATE
NOTE BOOK NO. 24-1	SURVEYED	K.C. W.	1-11-60
	PLOTTED	C.A. W.	1-11-60
	TEMPLATE	J.S.H.	2-2-60
	AREAS	J.S.H.	2-2-60
	AREAS CHECKED	[illegible]	2-2-60

ORIGINAL SURVEY		BY	DATE
NOTE BOOK NO. 24-1	SURVEYED	[illegible]	6-3-33
	PLOTTED	[illegible]	6-3-33
	TEMPLATE	[illegible]	6-15-33
	AREAS		
	AREAS CHECKED		

E=0977

E=0978

4456

2+10

MAIN SHEET

1250

1250

BRUNING NO. 605 23031

PLATE 3—CROSS SECTION O. P. R. & R. E.
MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

75-144

0 1 2 3 4 5 INCHES

SH 18B OF 44

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED	WHC	2-20-59
NOTE BOOK	WHC	2-20-59
NO. 84-1	JMH	3-2-59
AREAS CHECKED	C.A.H.	3-2-59

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED	W.H.C.	11-24-58
TEMPLATE	JMH	11-24-58
NOTE BOOK	WHC	11-24-58
AREAS	C.A.H.	11-24-58
AREAS CHECKED		
NO.		

75-145

PLATE 3—CROSS SECTION O. P. R. & R. E.

MADE AND PRINTED IN U.S.A.
CHARLES BRUNING COMPANY, INC.

BRUNING NO. 605 33931

0 1 2 3 4 5 INCHES

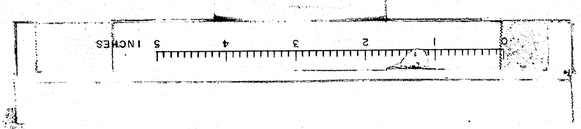


PLATE 3—CROSS SECTION O. F. N. A. R. E.
MADE AND PRINTED IN U.S.A.
CHARLES BRUNING COMPANY, INC.

BRUNING NO. 005 53031

75-151

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED	WAC	8/1/57
	TEMPLATE	CAV	8/1/57
	AREAS		
	AREAS CHECKED		
NO.			

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

SN.21A OF44