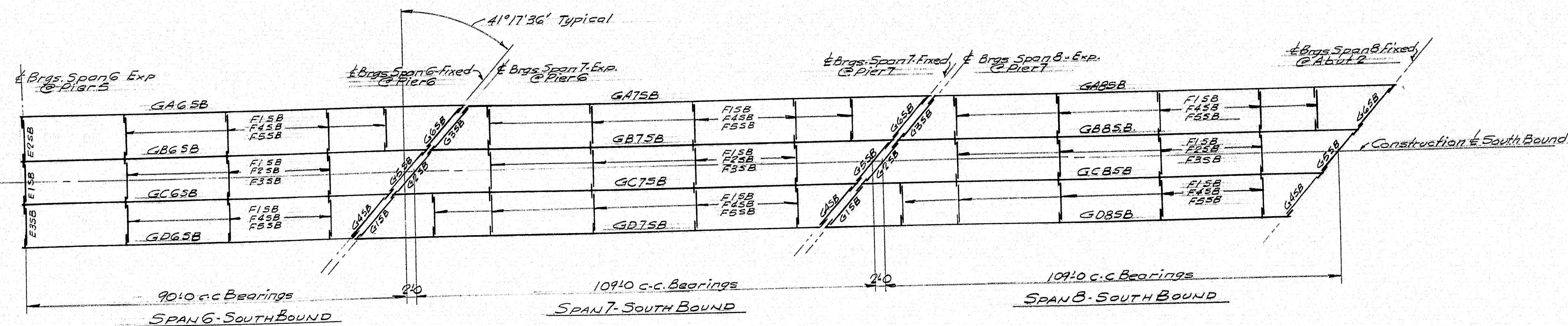
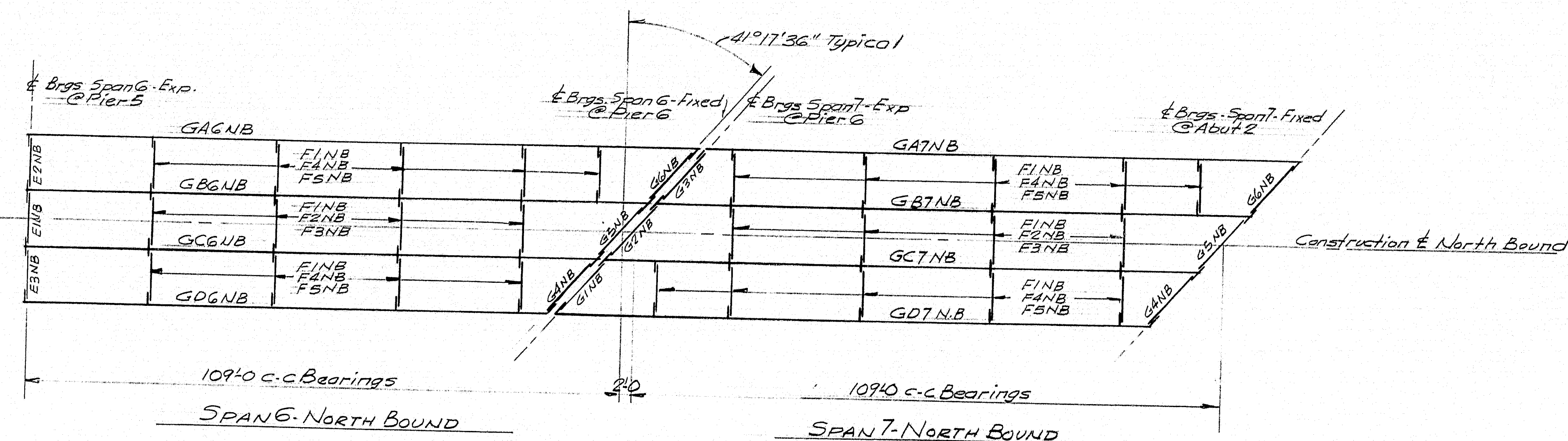


For Spans 1-5 see Dwg E3



For Spans 1-5 see Dwg E3



ERECTION PLAN - SPANS 6-7 & 8 S.B. & 6 & 7 N.B.

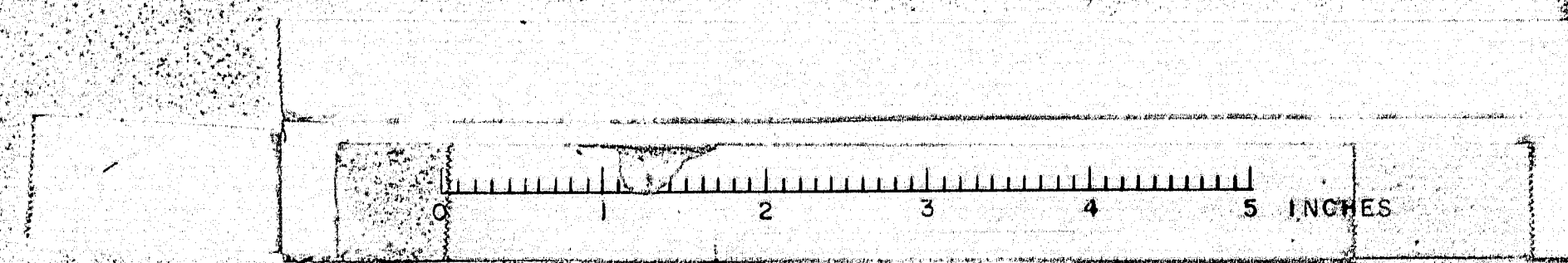
GENERAL NOTES

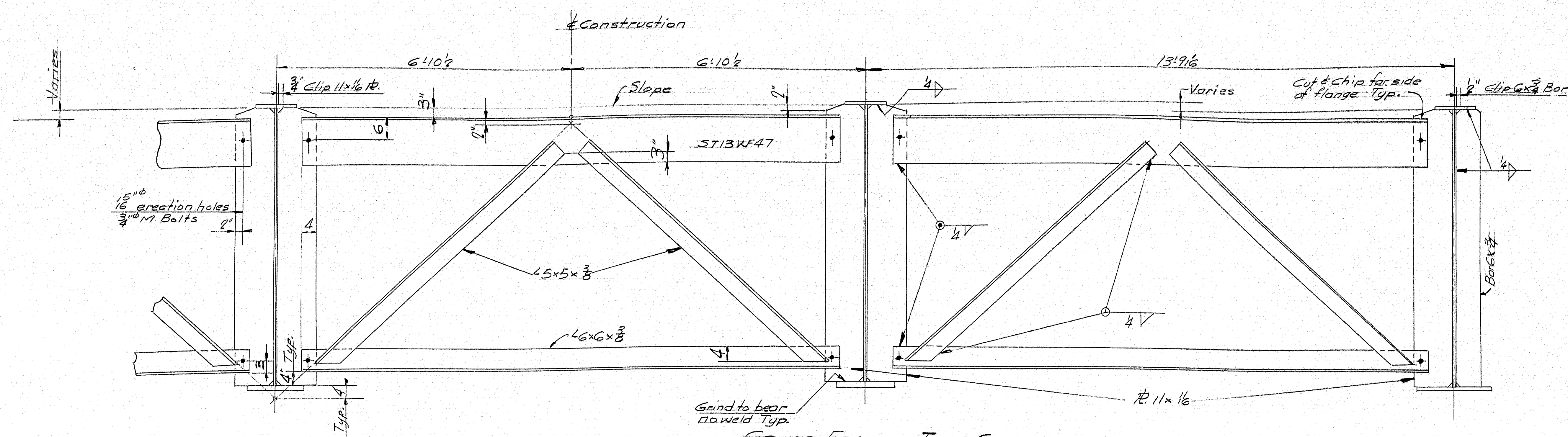
1. Steel for flange plates, web plates & bearing stiffeners shall conform to A.S.T.M. Desig. A-441. All other steel shall conform to A.S.T.M. Desig. A7 or A36.
2. Girders to be cambered as detailed.
3. Welds for flange plate & web plate butts, web to flange fillets & bearing stiffeners to web fillets shall be Submerged Arc - Linde Air Prod Co. Unionmelt 532-29 wire Grade 50 Melt (Flux).
4. The following non-destructive tests of the welded steel girders will be required.
 - A. Radiographic testing of shop butt welds.
 - B. Magnetic particle testing of shop welds, girder webs to flanges & bearing stiffeners to girder webs.
5. For additional information see supplemental specifications & Special Provisions.
6. Flanges & webs are to be butt welded & inspected in accordance with the above specifications prior to being fillet welded to each other.

SPANS 6-7 & 8 S.B. & 6 & 7 N.B.	
ERECTION PLAN	
Bancroft & Martin Rolling Mills Company South Portland, Maine	
CLINTON A. CLAUSON MEM. BRIDGE FAIRFIELD, MAINE	
CUSTOMER E.C. SNODGRASS INC. DESIGNER MAINE S.H.C. BRIDGE DIV.	
ORDER NO. VERBAL	DWG. NO. 63-S-E1

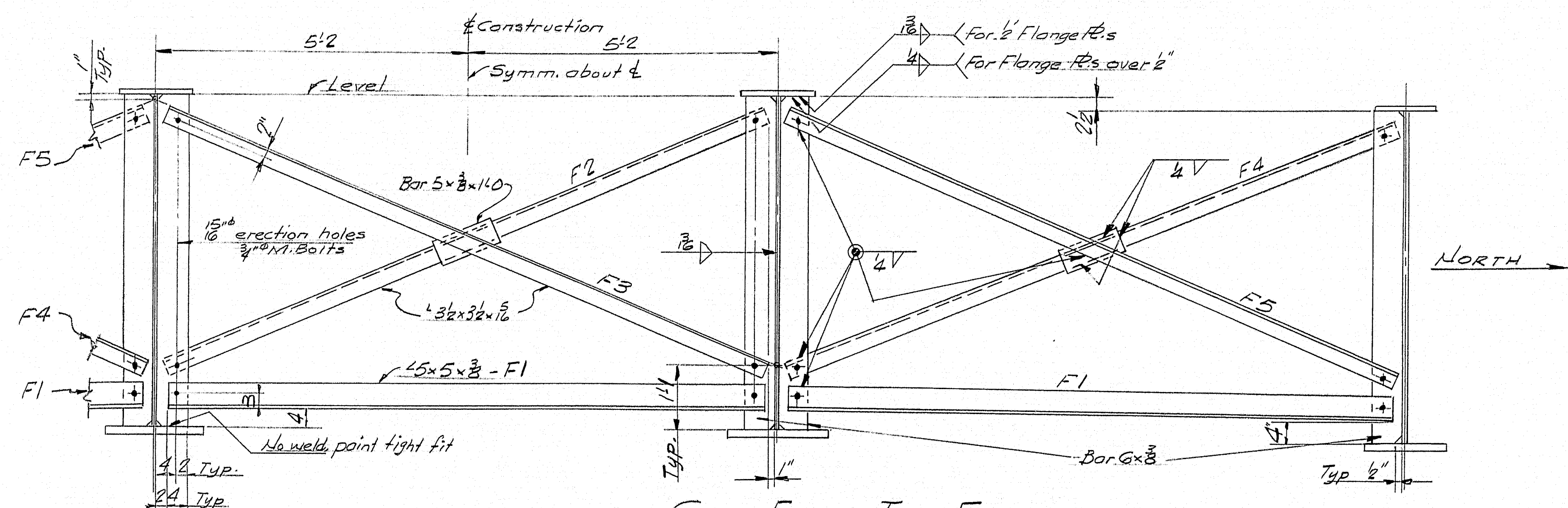
APR 2 1963

DRAWN	1-23-63 JBF
REVISION	
REVISION	
REVISION	

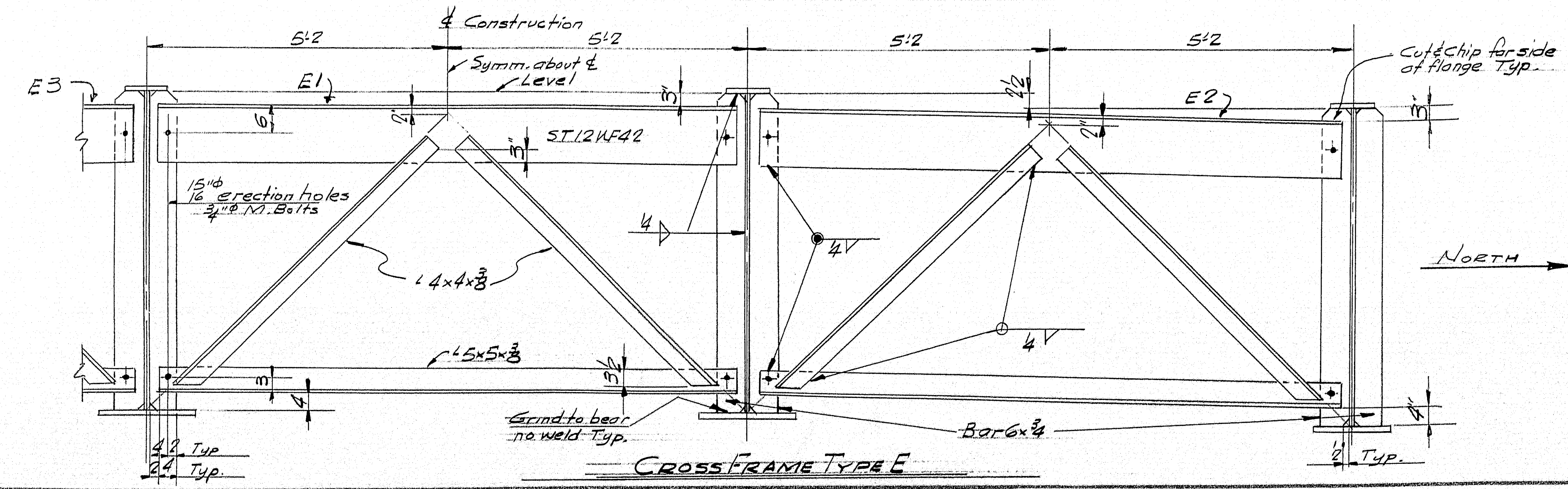




CROSS FRAMES TYPE G



CROSS FRAMES TYPE F

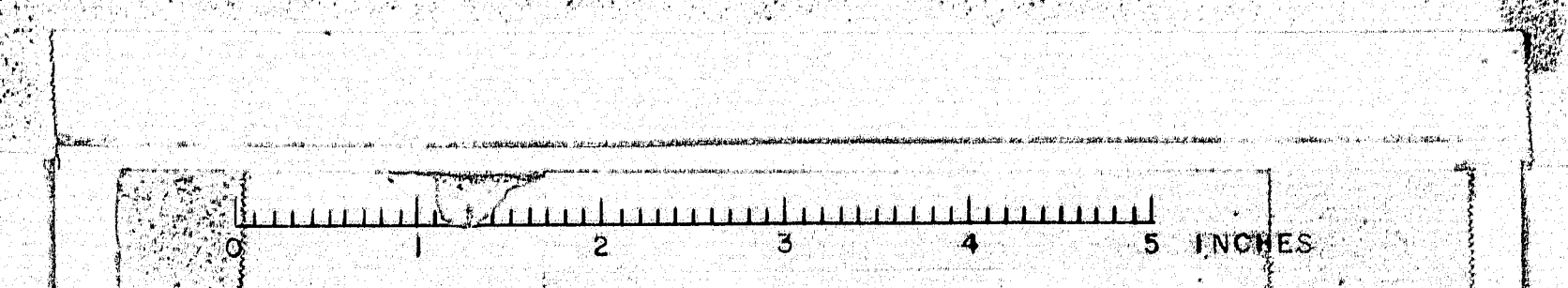


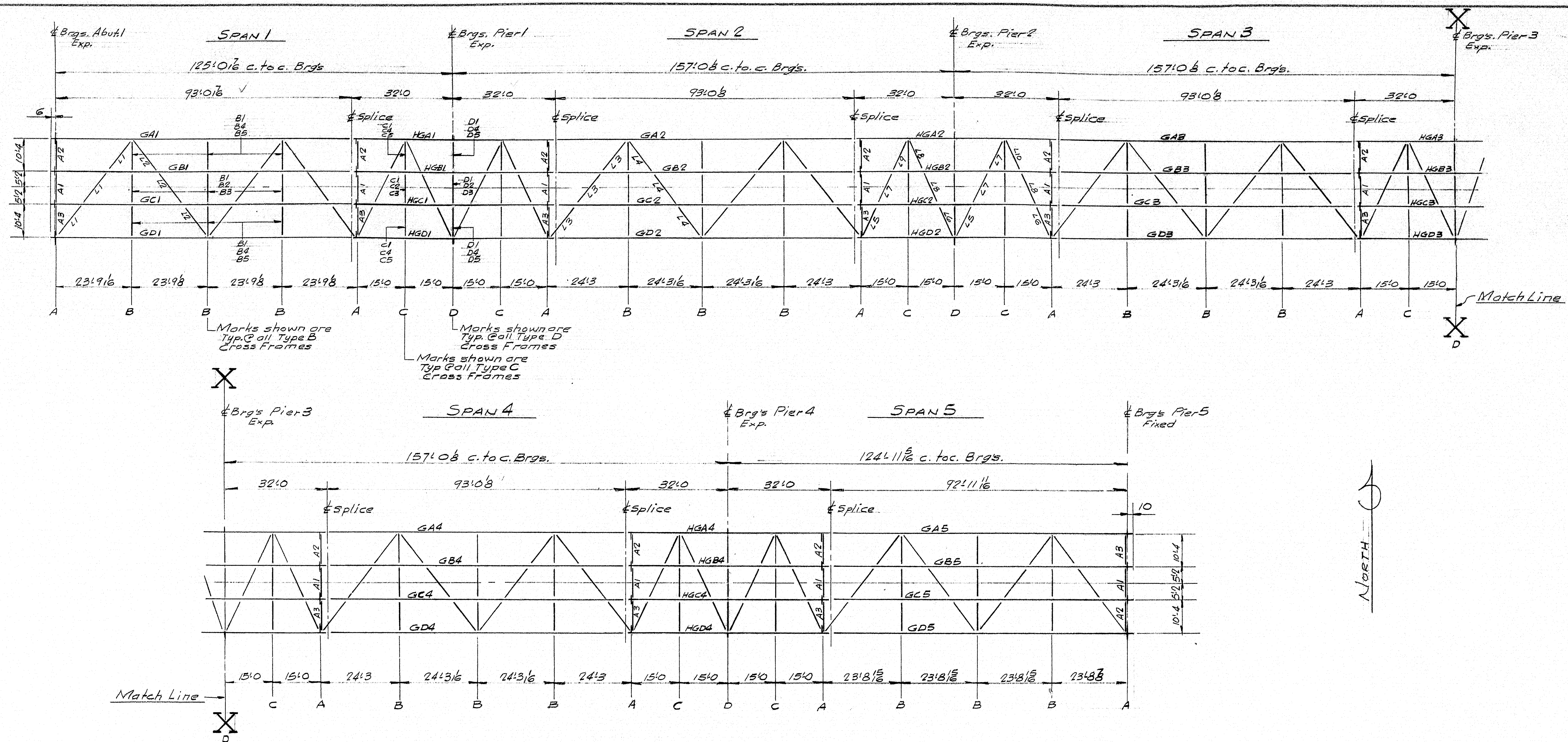
CROSS FRAME TYPE E

APR 2-19-63

SPANS 6.7 & 8.5 B & 6 & 7.1 NB	
TYPICAL CROSS FRAMES	
Bancroft & Martin Rolling Mills Company South Portland, Maine	
CLINTON A. CLAUSON MEM. BRIDGE FAIRFIELD, MAINE	
CUSTOMER E.C. SNODGRASS INC.	
DESIGNER MAINE S.H.C. BRIDGE DIV.	
ORDER NO. VERBAL	DWG. NO. 63-5-E2

DRAWN	1-24-63 J.P.F.
REVISION	
REVISION	
REVISION	





TYPICAL ERECTION PLAN - SOUTH BOUND & NORTH BOUND BRIDGES

SOUTH BOUND: Suffix SB to be added to all Marks
 NORTH BOUND: Suffix NB to be added to all Marks
 Dimensions along steel

GENERAL NOTES

1. Steel for flange plates, web plates, splice plates & bearing stiffeners shall conform to A.S.T.M. Desig. A 441. All other steel shall conform to A.S.T.M. Desig. A7 or A36. High Strength Bolts A 325 - Pedestal Pins A 235 Class C1 or A108 Grade 1016 to 1030 inclusive.
2. Girders to be cambered as detailed.
3. Welds for flange plate & web plate butts, web to flange fillets & bearing stiffeners to web fillets shall be Submerged Arc - Linde Air Prod. Co. Unionmelt 502. #29 wire Grade-50 Melt (Flux)
4. The following non-destructive tests of the welded steel girders will be required.
 A. Radiographic testing of shop butt welds.
 B. Magnetic particle testing of shop welds, girder webs to flanges & bearing stiffeners to girder webs. For additional information see supplemental specifications and special Provisions.
5. Flanges & webs are to be butt welded & inspected in accordance with the above specifications prior to being fillet welded to each other.
6. Holes in field splices of continuous girders are to be sub-punched (or sub-drilled) and reamed while assembled in the shop and connecting parts to be match marked & bolted for shipment. (Bridges are on constant grade)

SHOP CONN: Welded
 FIELD CONN: Splices - 8" H.S. Bolts
 Cross Frames & Bracing - Welded
 SHOP PAINT: Red Lead per State of Maine specs.

SPANS 1 to 5 SB & NB

TYPICAL ERECTION PLAN

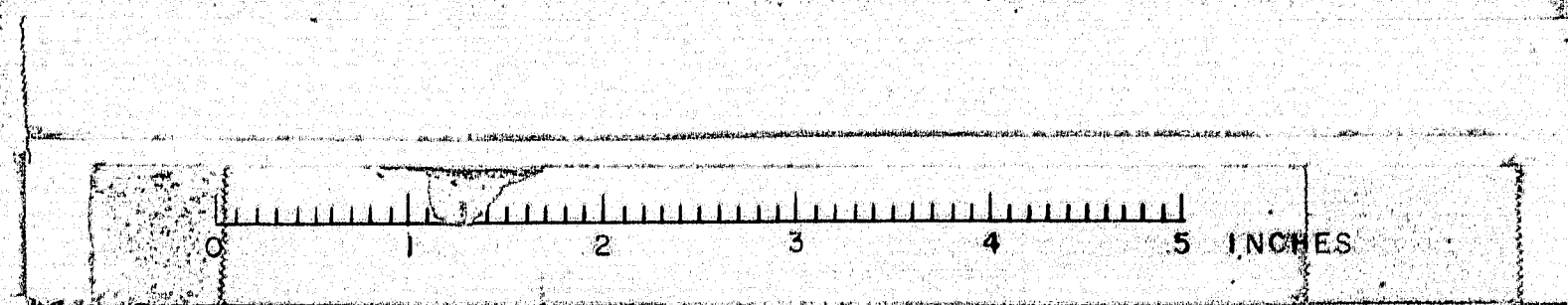
Branco & Martin Rolling Mills Company
 South Portland, Maine

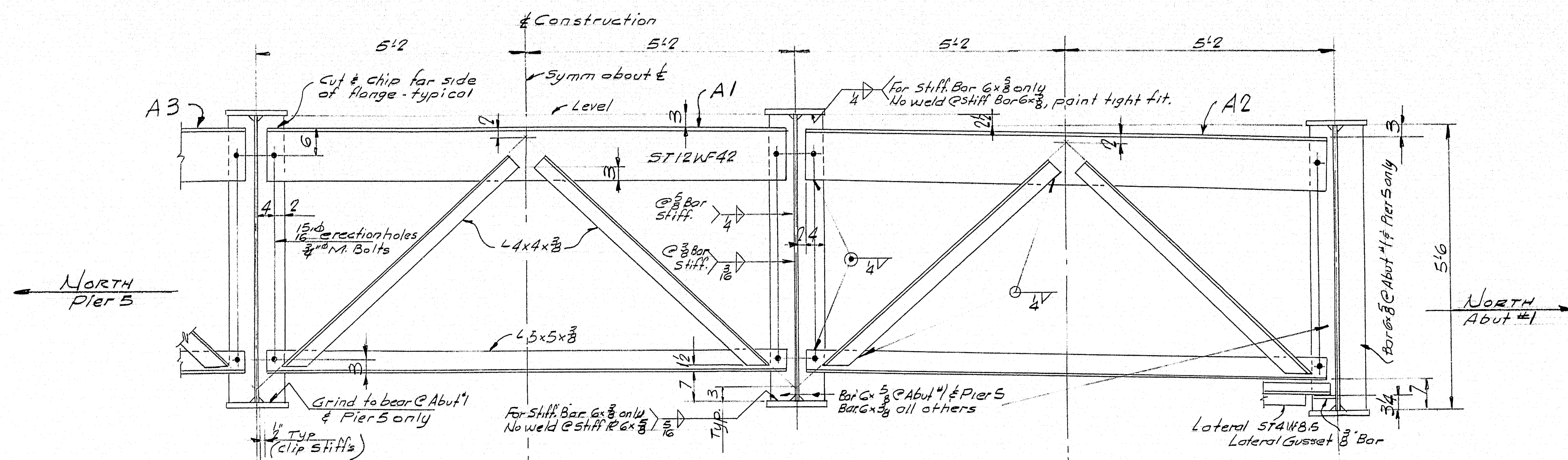
CLINTON A. CLAUSON MEM. BRIDGE
 FAIRFIELD, MAINE

CUSTOMER: E.C. SNODGRASS INC.
 DESIGNER: MAINE S.H.C. BRIDGE DIV.

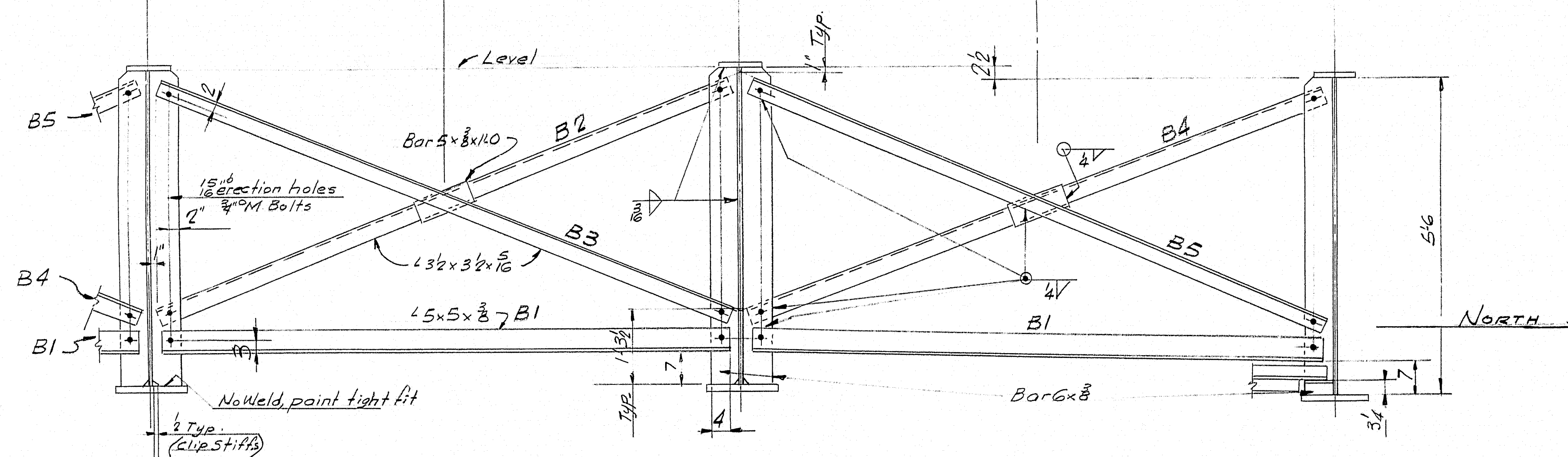
ORDER NO. VERBAL DWG. NO. 63-5-E3

DRAWN	2-8-63 JRR
REVISION	
REVISION	
REVISION	





CROSS FRAMES TYPE A



CROSS FRAMES TYPE B

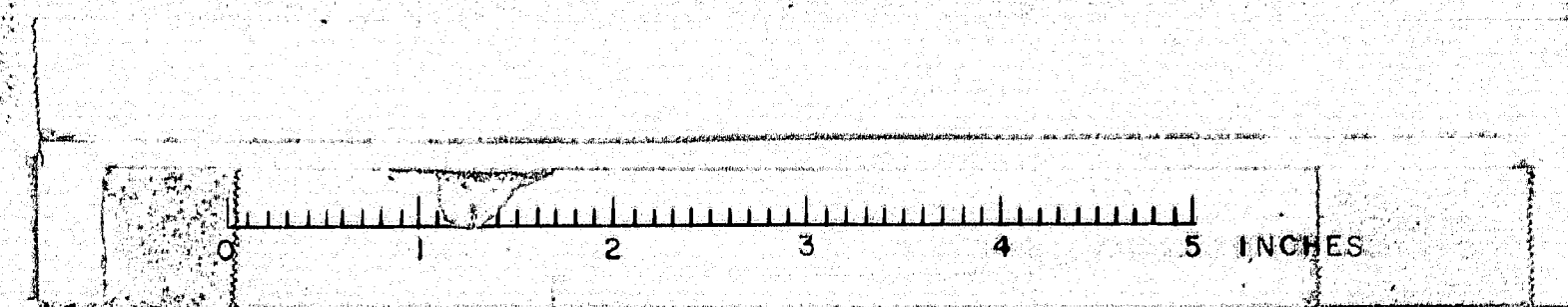
Note: Welding stiffeners to girders is typical for intermediate stiffeners @ 66x8" web R.

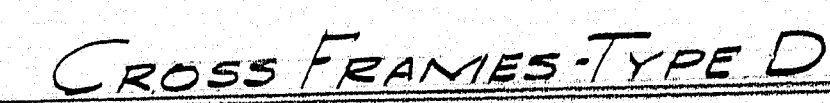
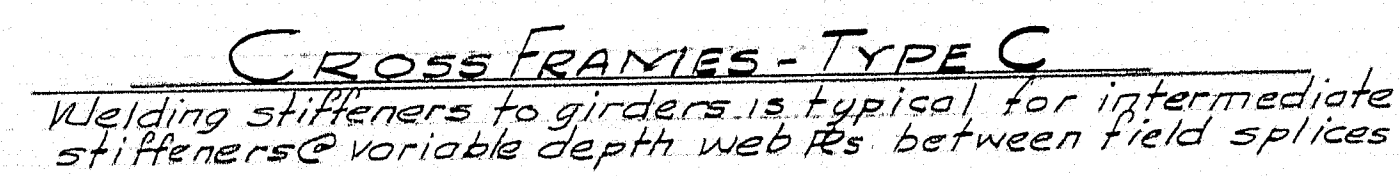
SOUTH BOUND: Suffix S.B. to be added to all Marks.
NORTH BOUND: Suffix N.B. to be added to all Marks.

SPANS 1 TO 5 S.B. & N.B.	
TYPICAL CROSS FRAMES - TYPES A & B	
Bancroft & Martin Rolling Mills Company South Portland 1, Maine	
CLINTON A. CLAUSON MEM. BRIDGE FAIRFIELD, MAINE	
CUSTOMER E.C. SNODGRASS INC.	
DESIGNER MAINE S.H.C. BRIDGE DIV.	
ORDER NO. VERBAL	DWG. NO. 63-5-E4

APP. 3-29-63

DRAWN	2-8-63 J.R.F.
REVISION	
REVISION	
REVISION	

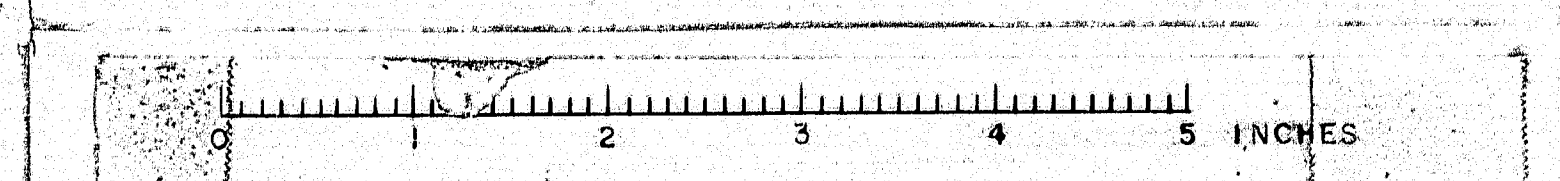


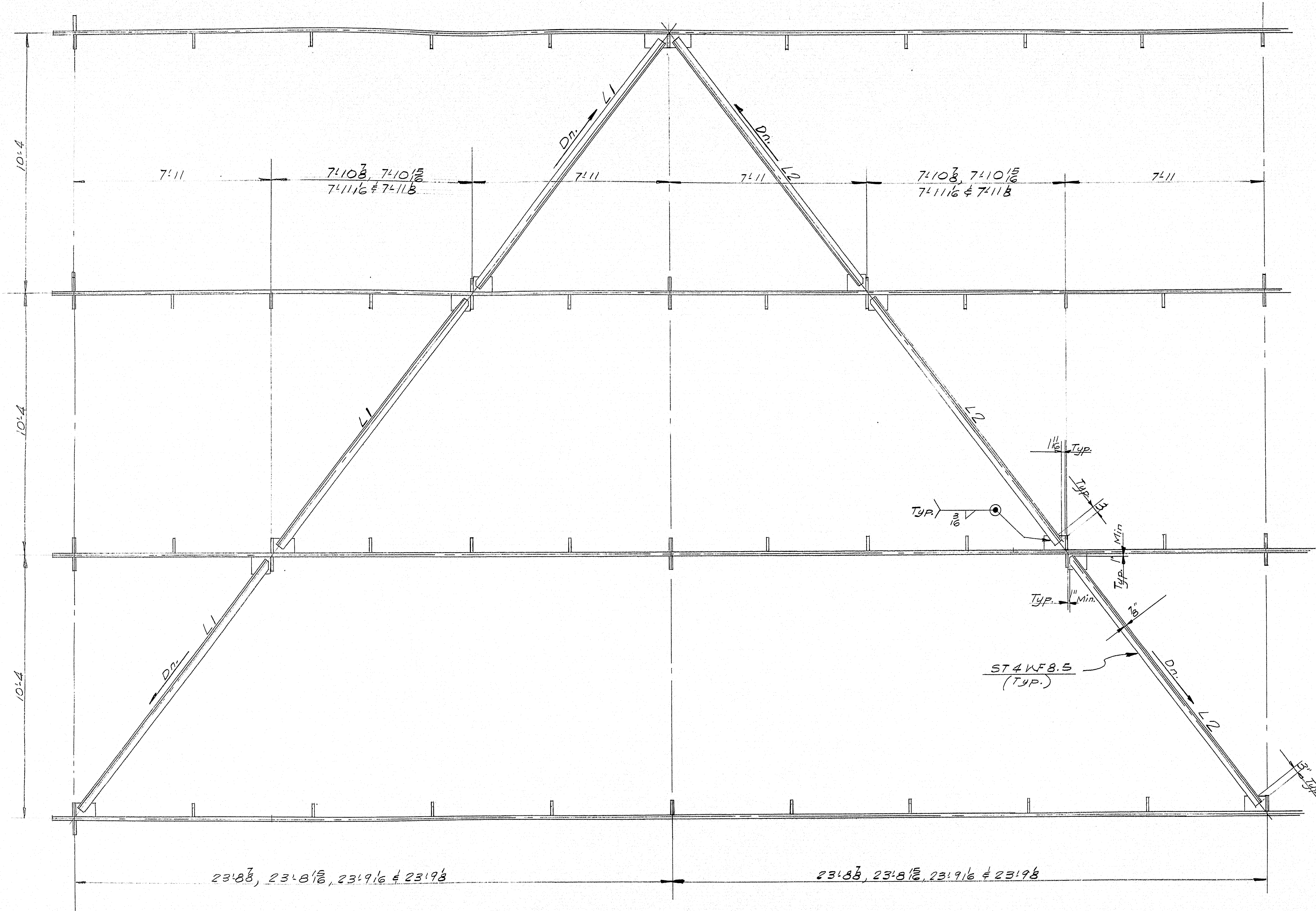


SOUTH BOUND: Suffix S.B. to be added to all Marks
NORTH BOUND: Suffix N.B. to be added to all Marks

DRAWN	2-12-63	J.P.F.
REVISION		
REVISION		
REVISION		

SPANS 1 TO 5 S.B. & N.B.
TYPICAL CROSS FRAMES - TYPES C & D
Piercraft & Martin Rolling Mills Company
South Portland 7, Maine
CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE
CUSTOMER F. C. SNODGRASS INC.
DESIGNER MAINE S. H. C. BRIDGE DIV.
ORDER NO. VERBAL DWG. NO. 63-5-E5

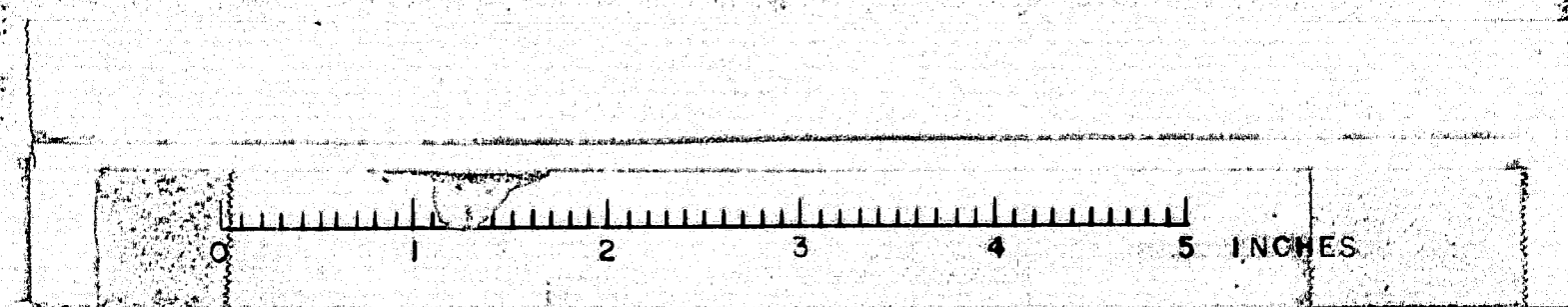


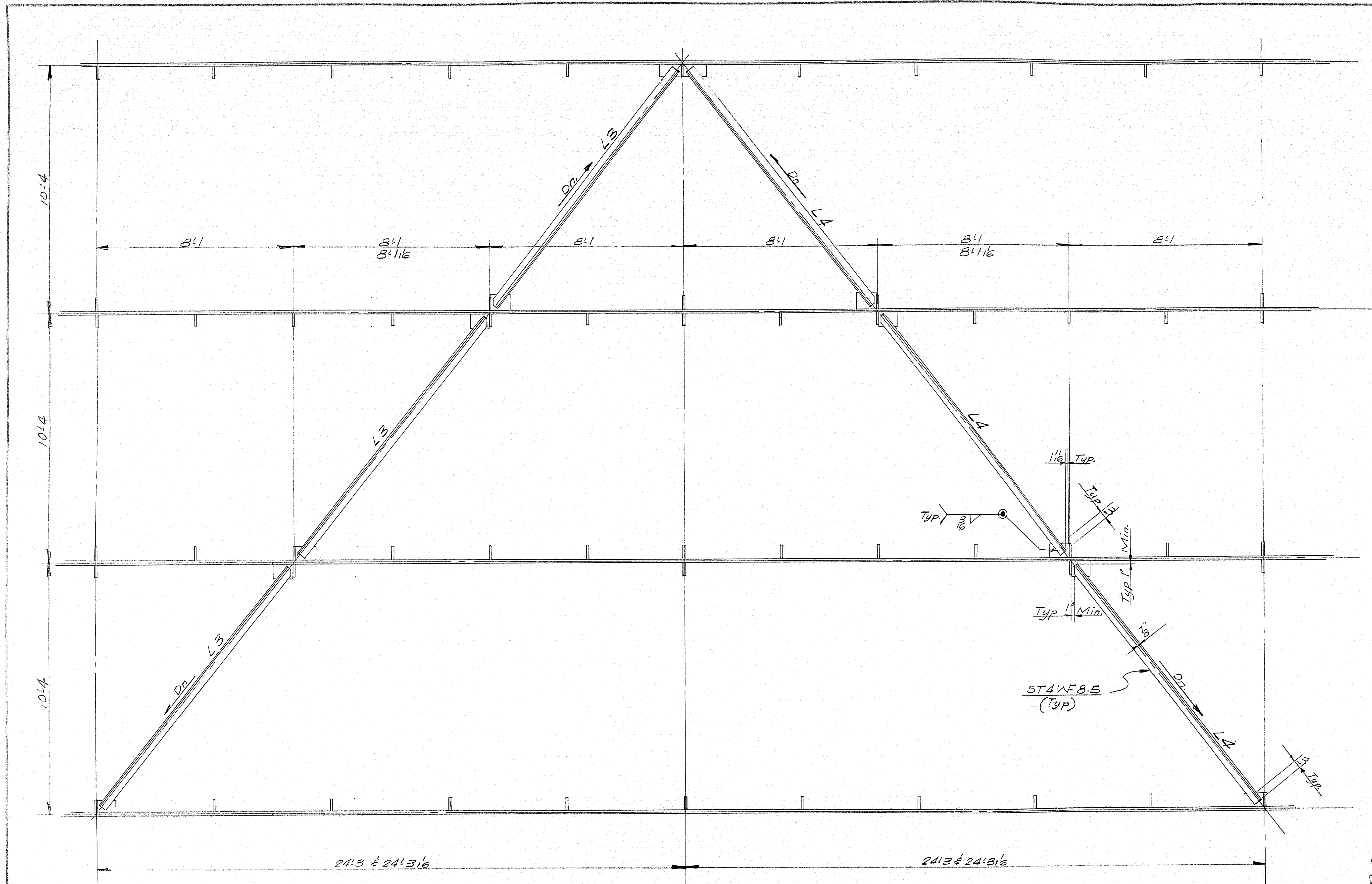


— SOUTH BOUND: Suffix SB to be added to all Marks
 — NORTH BOUND: Suffix NB to be added to all Marks

SPANS 1 TO 5 SB & NB.	
LATERAL BRACING	
Bancroft & Martin Rolling Mills Company South Portland, Maine	
CLINTON A. CLAUSON MEM. BRIDGE FAIRFIELD, MAINE	
CUSTOMER E.C. SNODGRASS, INC.	
DESIGNER MAINE S.H.C. BRIDGE DIV.	
ORDER NO. VERBAL	DWG. NO. 63.5.E6

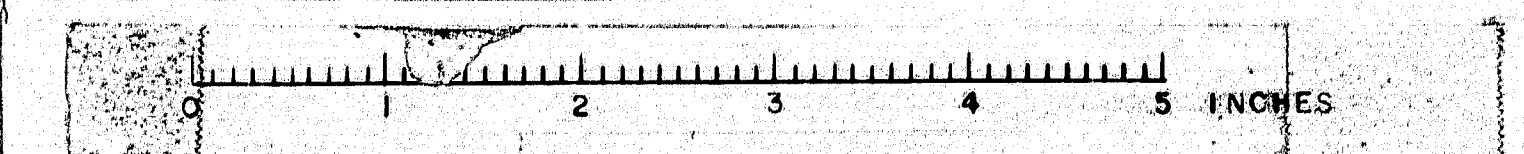
DRAWN	36-63 JPR
REVISION	
REVISION	
REVISION	

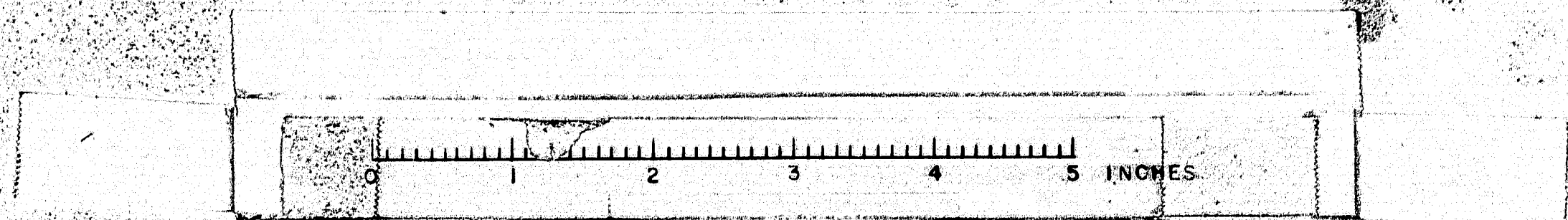


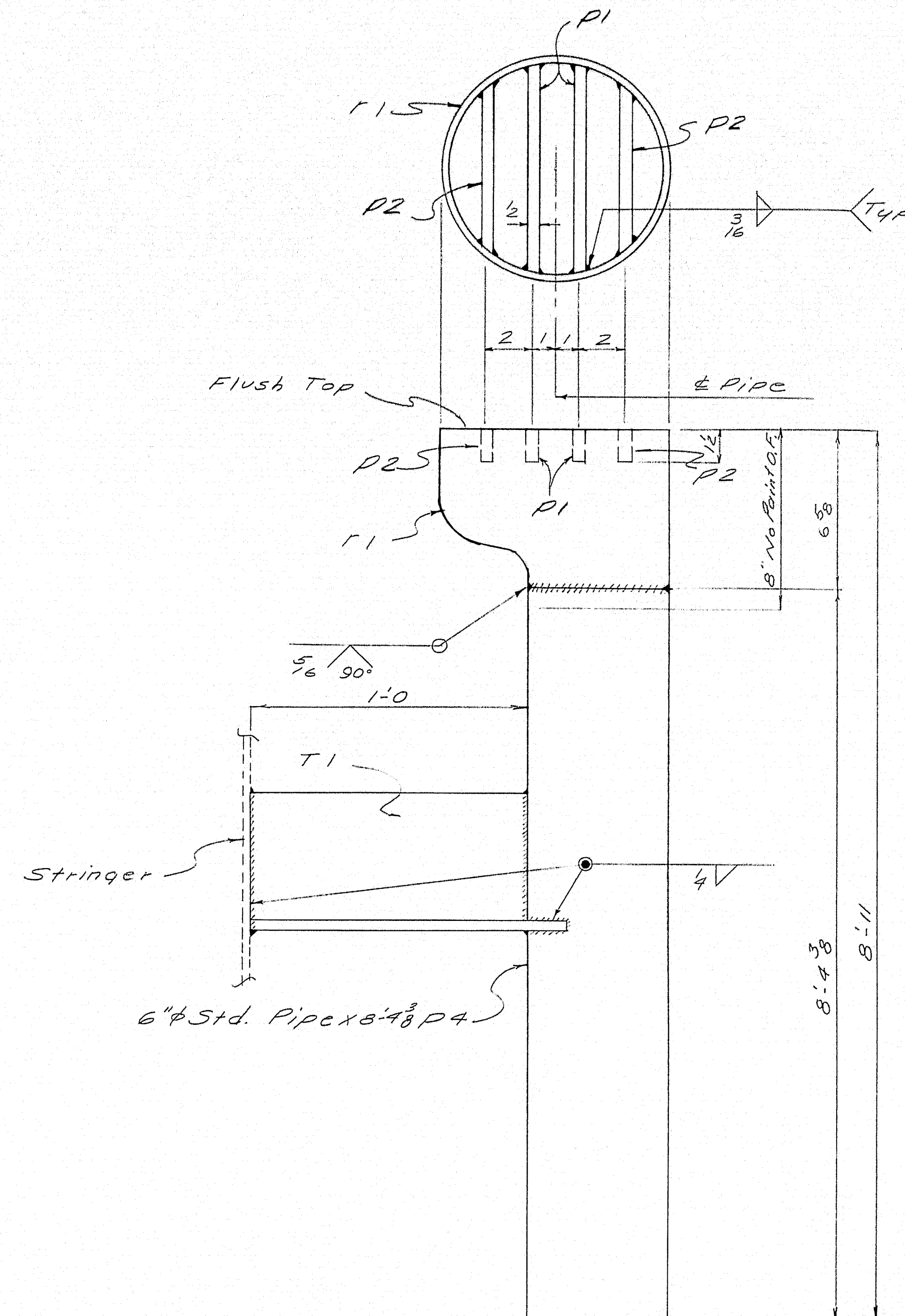


SOUTH BOUND: Suffix SB to be added to all Marks
 NORTH BOUND: Suffix NB to be added to all Marks

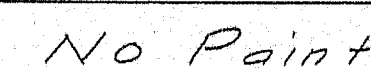
APP. 3-27-63	SPANS 1 TO 5 S.B. & N.B.	
	LATERAL BRACING	
	Bancroft & Martin Rolling Mills Company South Portland 7, Maine	
	CLINTON A. CLAUSON MEM. BRIDGE FAIRFIELD, MAINE	
	CUSTOMER E.C. SNODGRASS, INC. DESIGNER MAINE S.H.C. BRIDGE DIV.	
DRAWN 3-7-63 J.R.E.		ORDER NO. VERBAL
REVISION		DWG. NO. 63-5-E7
REVISION		
REVISION		







DRAIN DR2 ~ 32 REQ'D.



NOTE: SEE STATE'S DWGS.
FOR LOCATING DRAINS.

SHOP CONNECTIONS: *WELDED*
FIELD CONNECTIONS: *WELDED*
HOLES: *—*
PAINT: *ME. STATE SPECS RED LEAD*

REF. DWG. SHEET 53 OF 92

DRAIN DETAILS

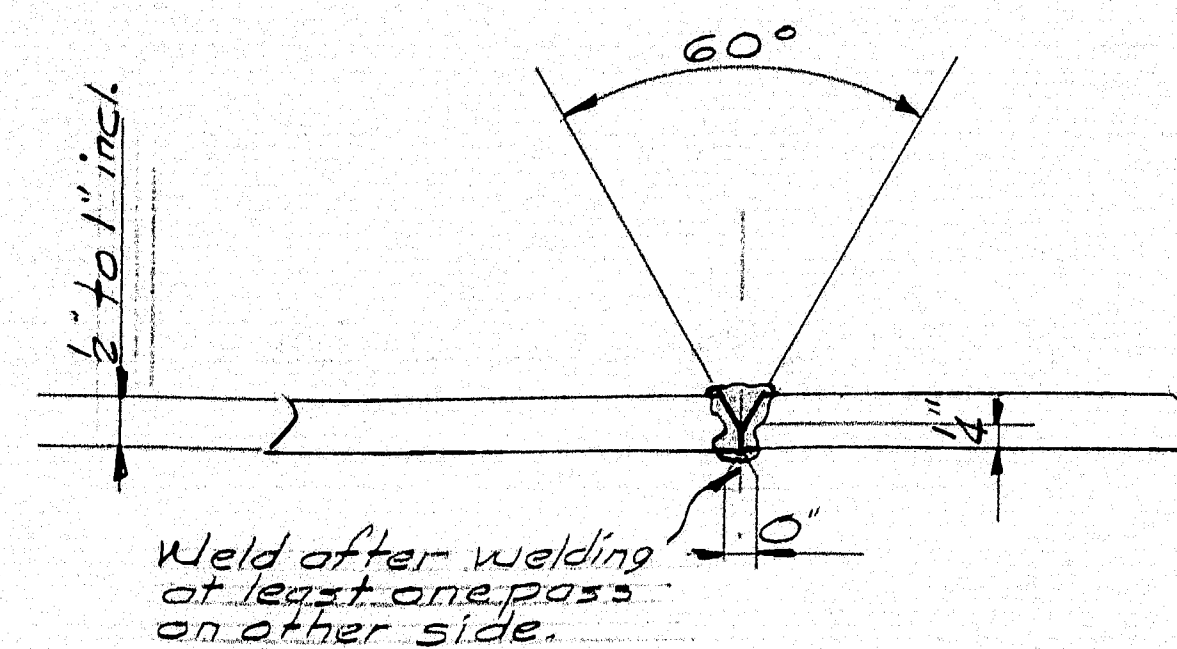
Bancroft & Martin Inc.
South Portland 7, Maine

CLINTON A. CLAUSON MEMORIAL
BRIDGES OVER KENNEBEC RIVER

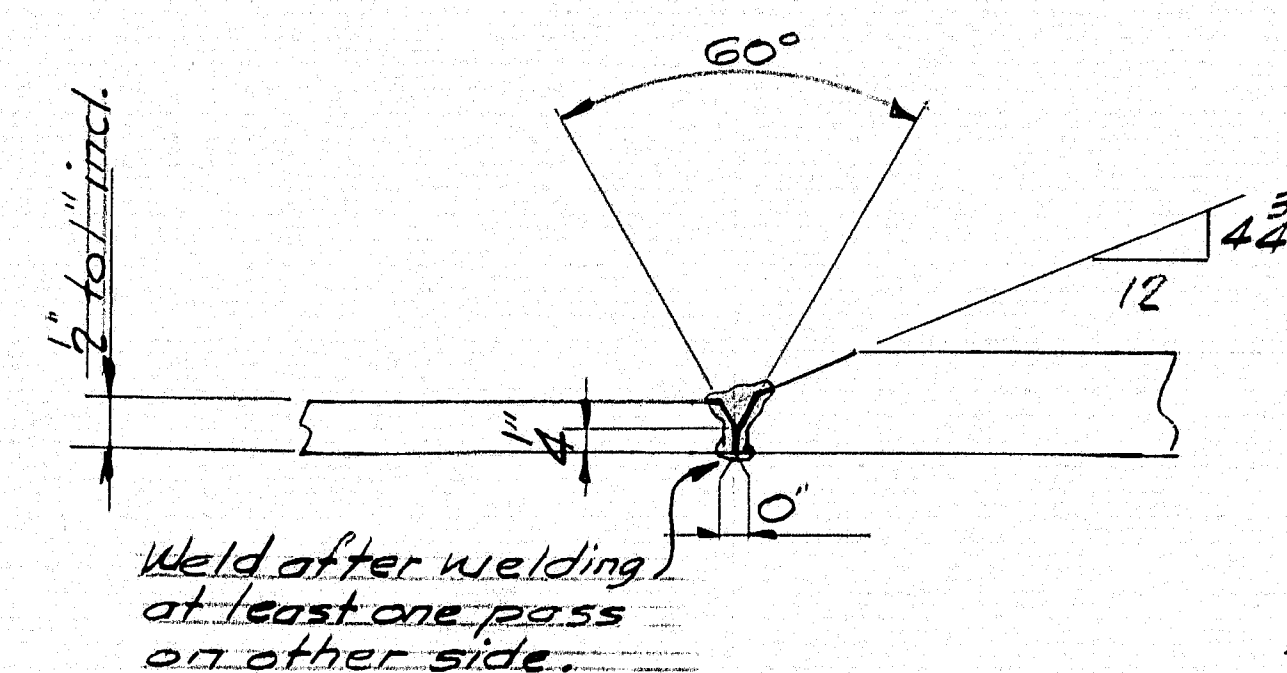
CUSTOMER E. C. SNODGRASS
DESIGNER ME. S. H. C.

ORDER NO. <u>VERBAL</u>	DWG. NO. <u>63-5-D1</u>
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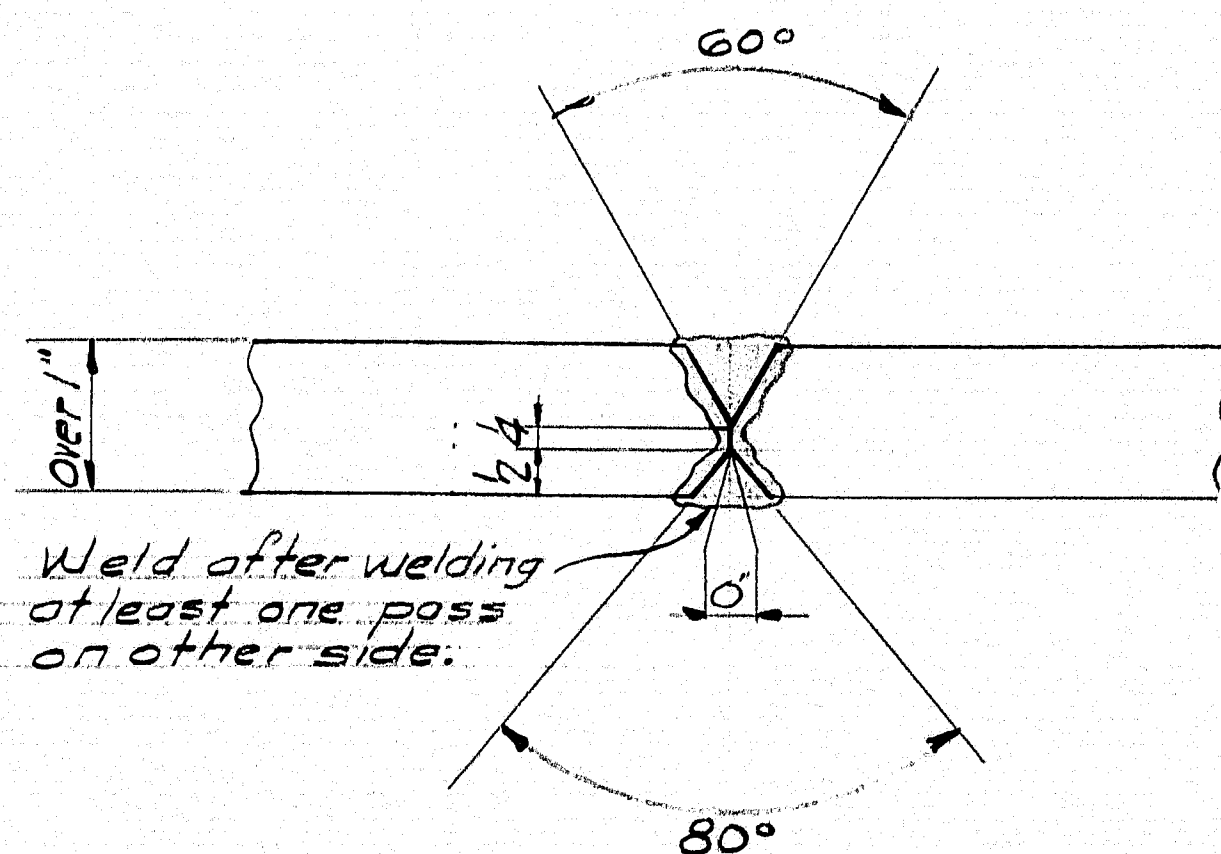
DRAWN	1-17-63	TFG
REVISION		
REVISION		
REVISION		



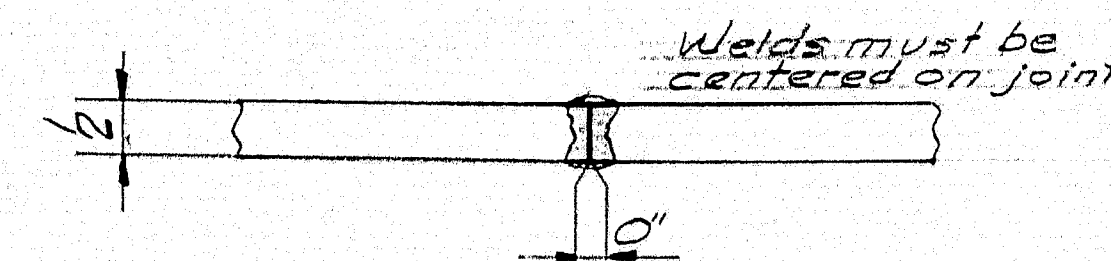
WA



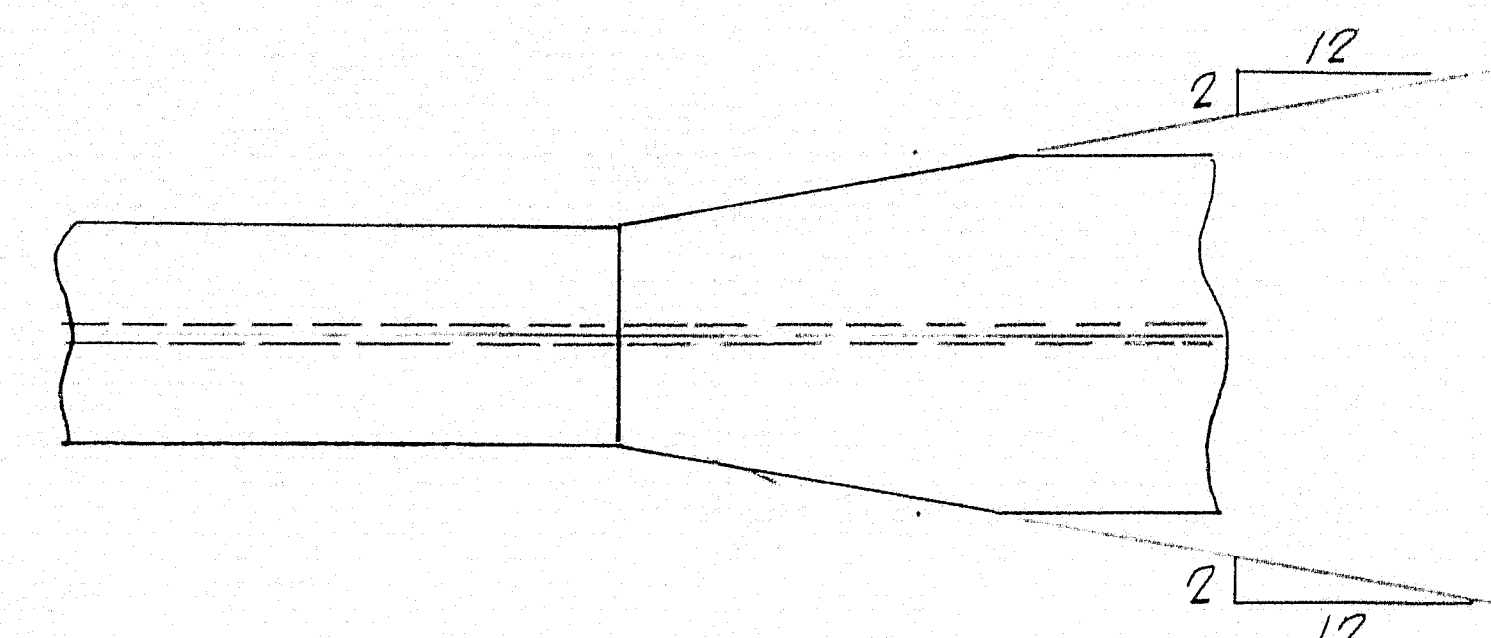
WB



WC



WD



FLANGE JOINTS @ WIDTH CHANGE

WELDING NOTES

1. Welds for flange plate & web plate butts, web to flange fillets & bearing stiffeners to web fillet shall be Submerged Arc - Linde Air Prod. Co. Unionmelt 5/32" #29 wire Grade-50 Melt (Flux).
2. The following non-destructive tests of welded steel girders will be required:
 - A. Radiographic testing of shop butt welds.
 - B. Magnetic particle testing of shop welds, girder webs to flanges & bearing stiffeners to girder webs.
 For additional information see supplemental specifications & Special Provisions.
3. Flanges & webs are to be butt welded & inspected in accordance with the above specifications prior to being fillet welded to each other.
4. All butt welds in web & flanges are to be ground flush.

SPANS 1 to 85.B & 1 to 7 N.B.

WELDING DETAILS

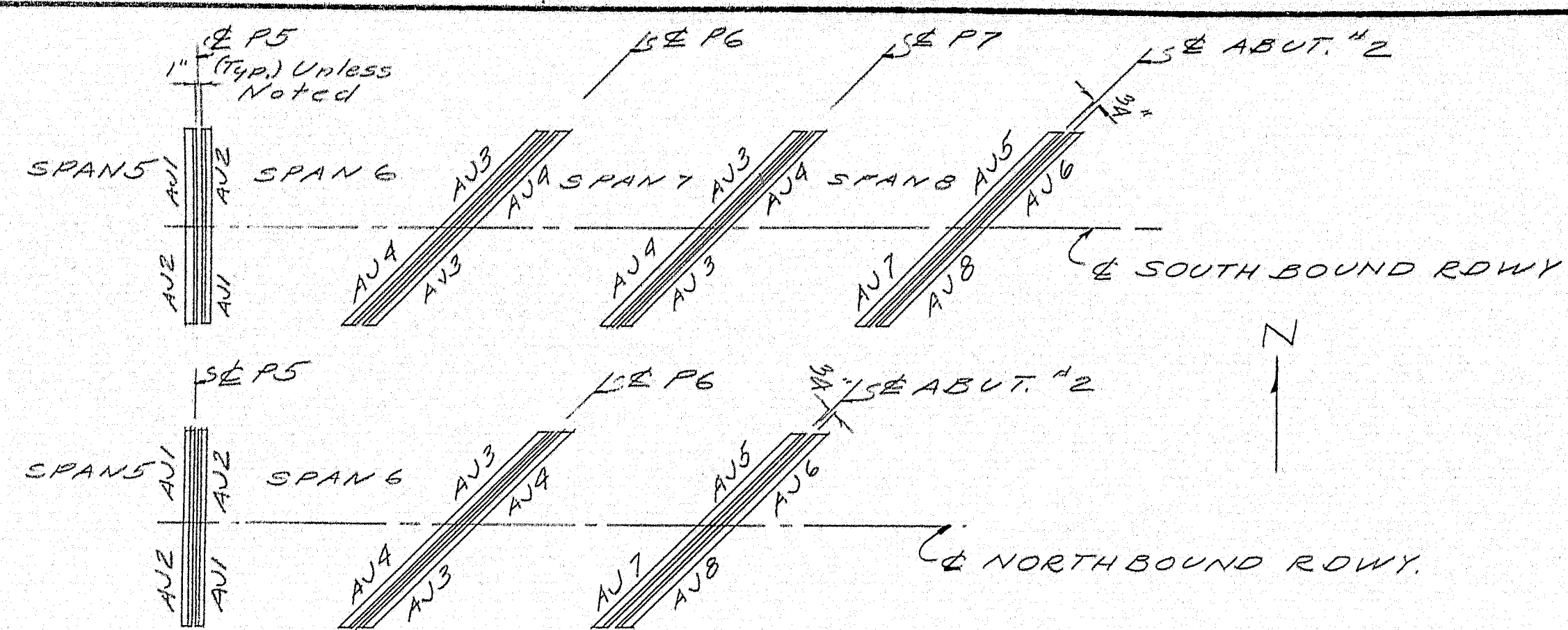
Rancourt & Martin Rolling Mills Company
South Portland, Maine

CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE

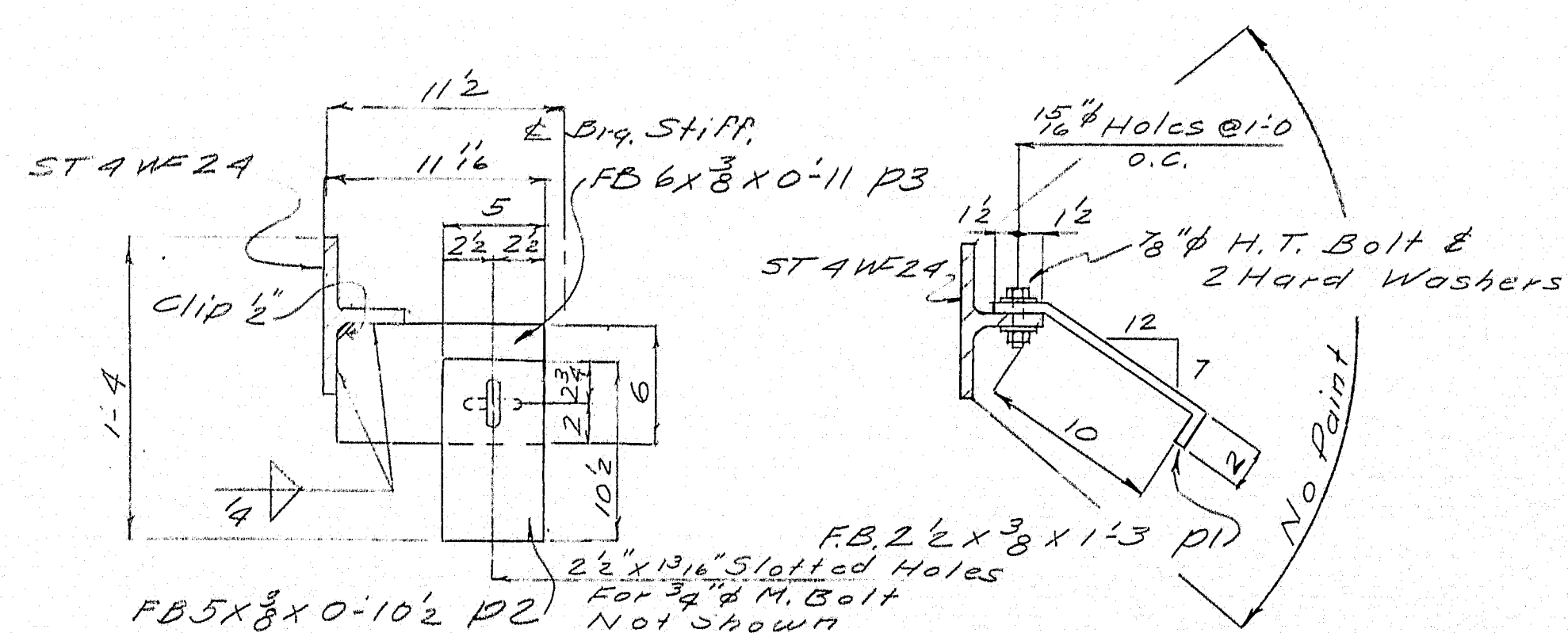
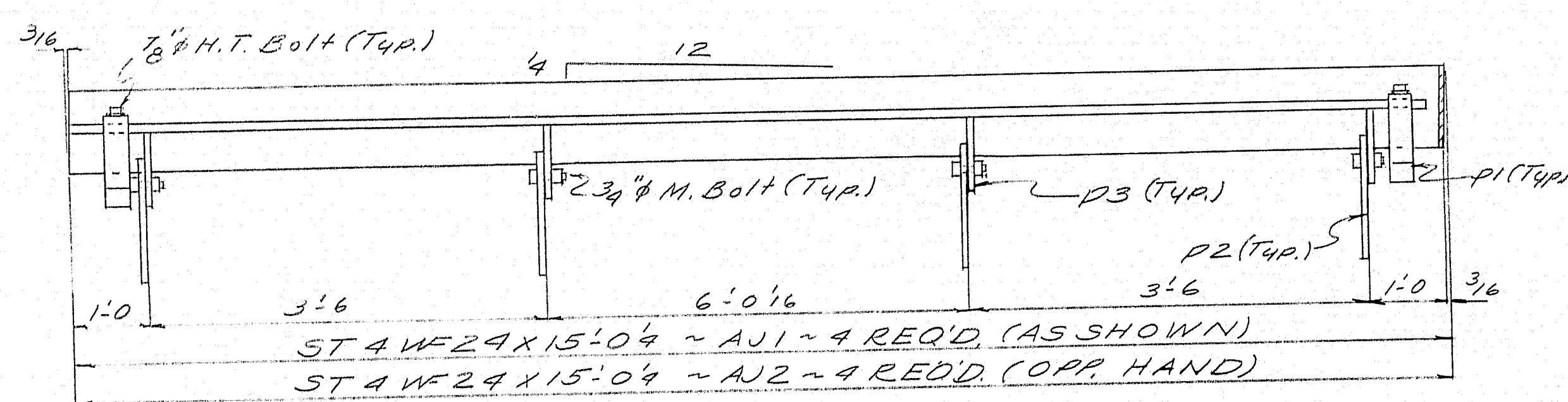
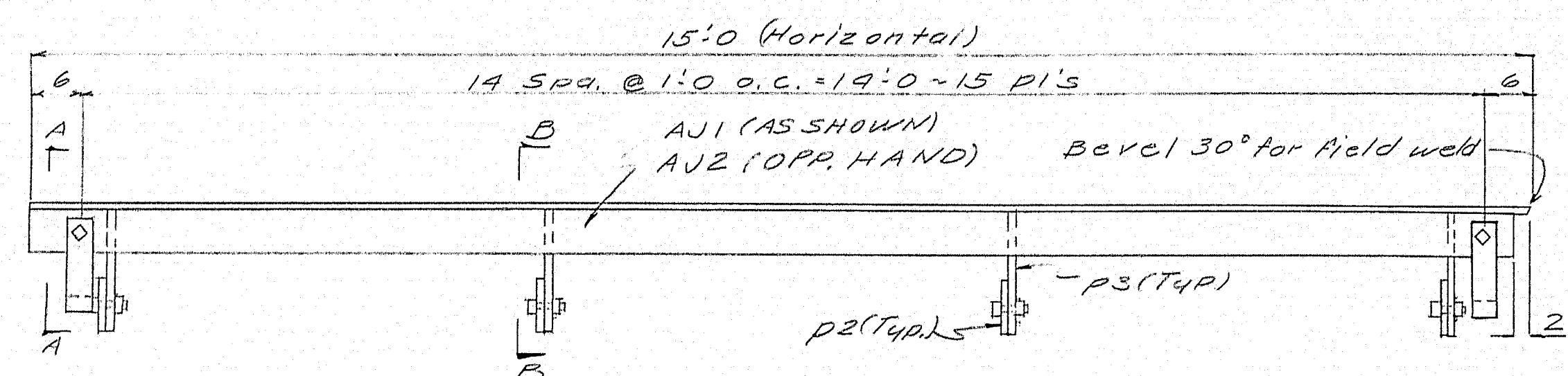
CUSTOMER E.C. SNODGRASS INC.
DESIGNER MAINE S.H.C. BRIDGEDIV.

ORDER NO. VERBAL DWG. NO. 63-5-W1

DRAWN	1-25-63 J.P.F.
REVISION	2-21-63 J.P.F.
REVISION	
REVISION	

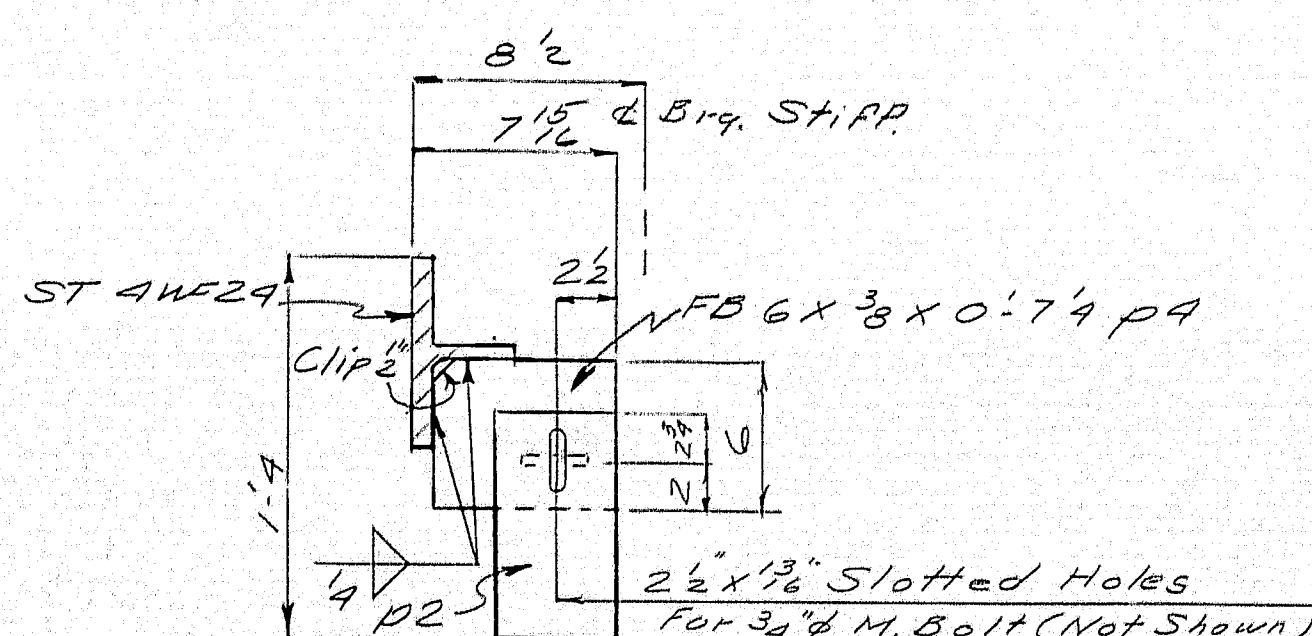
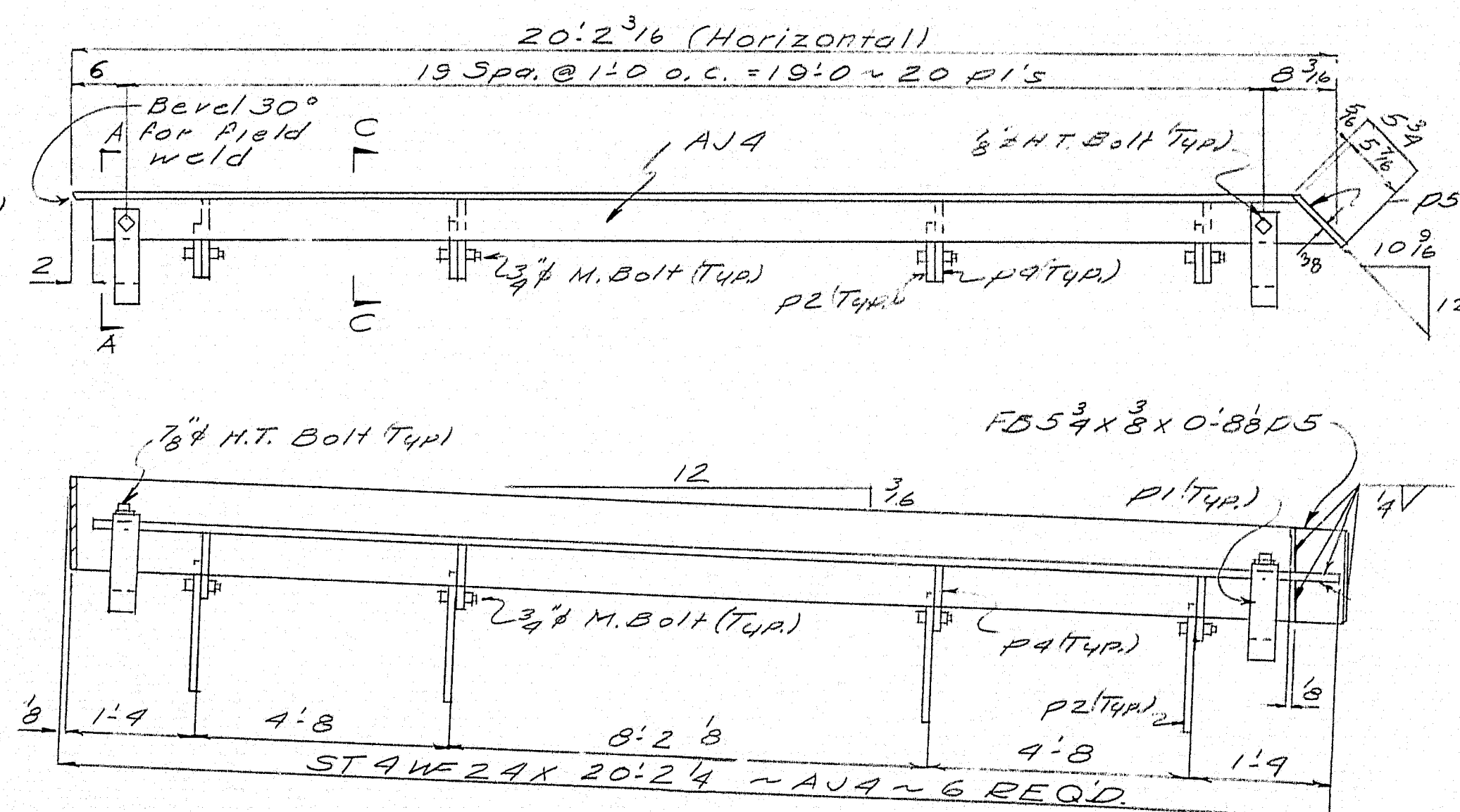
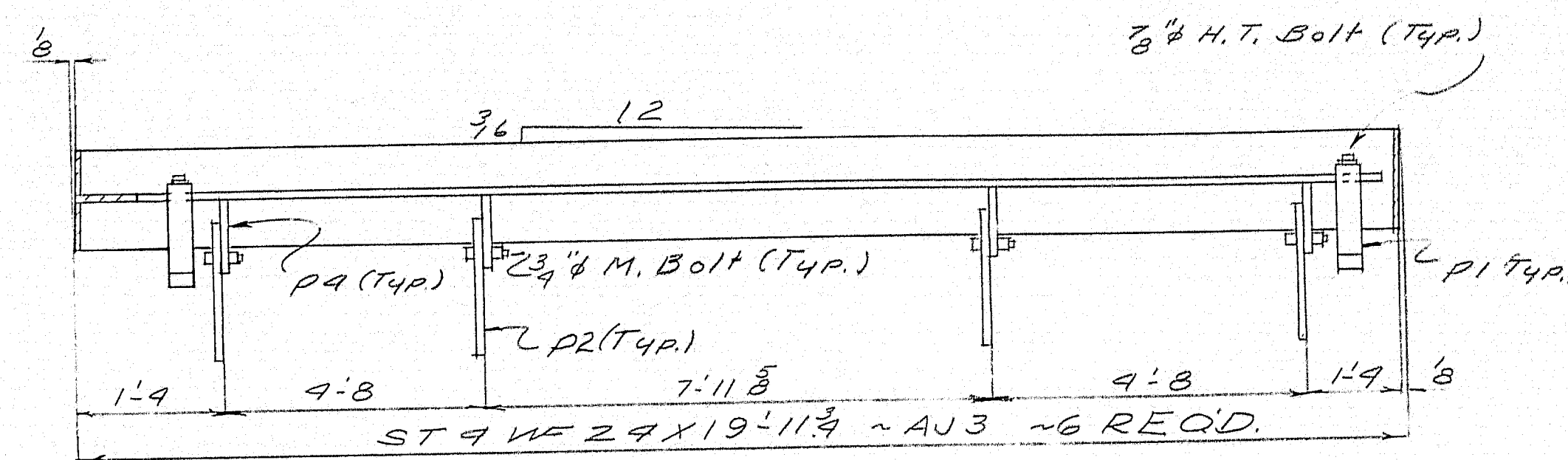
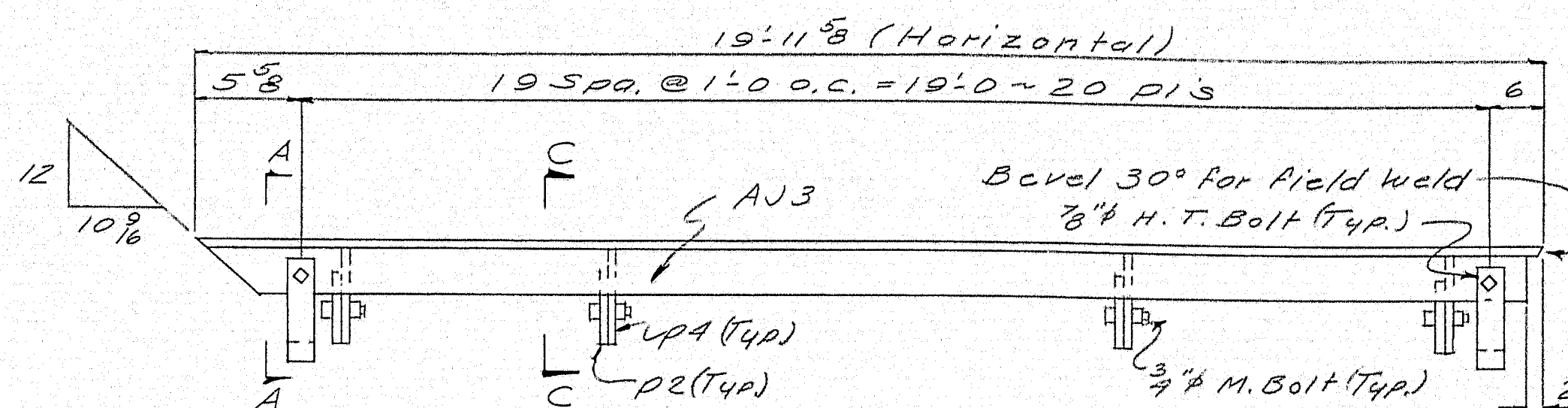


ARMORED JOINT ERECTION PLAN



SECTION B-B

SECTION A-A



SECTION C-C

SHIP		BILL OF MATERIAL				DWG. NO. 63-5-S2
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
AV1	4		ST 4 WF 24	15'0"	06	
AV2	4		do	15'0"	06	
AV3	6		do	19'11 5/8"	11 3/4	
AV4	6		do	20'2 3/16"	24	
		360	P1	FB 2 1/2 X 3/8	1'3"	Bend
		80	P2	FB 5 X 3/8	0'10 1/2"	
		32	P3	FB 6 X 3/8	0'11"	
		48	P4	do	0'7 1/4"	
		6	P5	FB 5 3/4 X 3/8	0'8 1/2"	
		80	Shop	3/8" M. Bolt	0'1 3/4"	
		360	do	3/8" H.T. Bolt	0'24"	H.T. Bolt
		720	do	3/8" Washer		Hard Washer

This Bill of Material Covers This Drawg. Only

SHOP CONNECTIONS: BOLTED, WELDED
FIELD CONNECTIONS: WELDED
HOLES: AS NOTED
PAINT: ME. STATE SPECS. RED LEAD

REF DWGS. SHEETS 51 & 52 OF 92

ARMORED JOINT DETAILS

Panecraft & Martin Inc.
South Portland, Maine

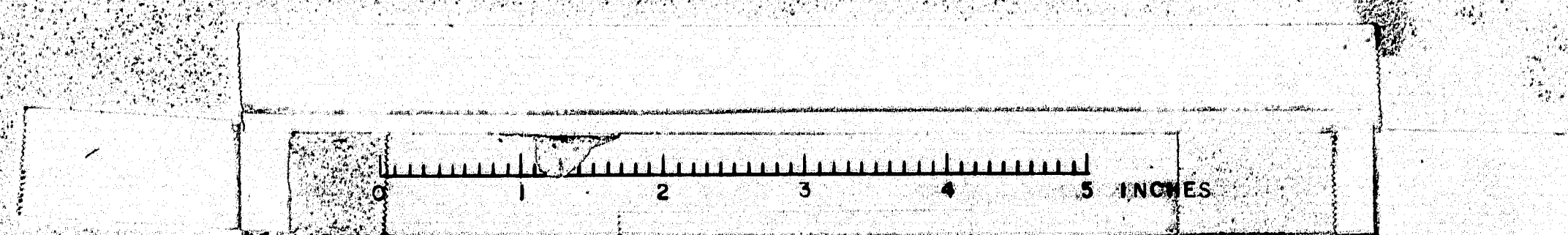
CLINTON A. CLAUSON MEMORIAL
BRIDGES OVER KENNEBEC RIVER

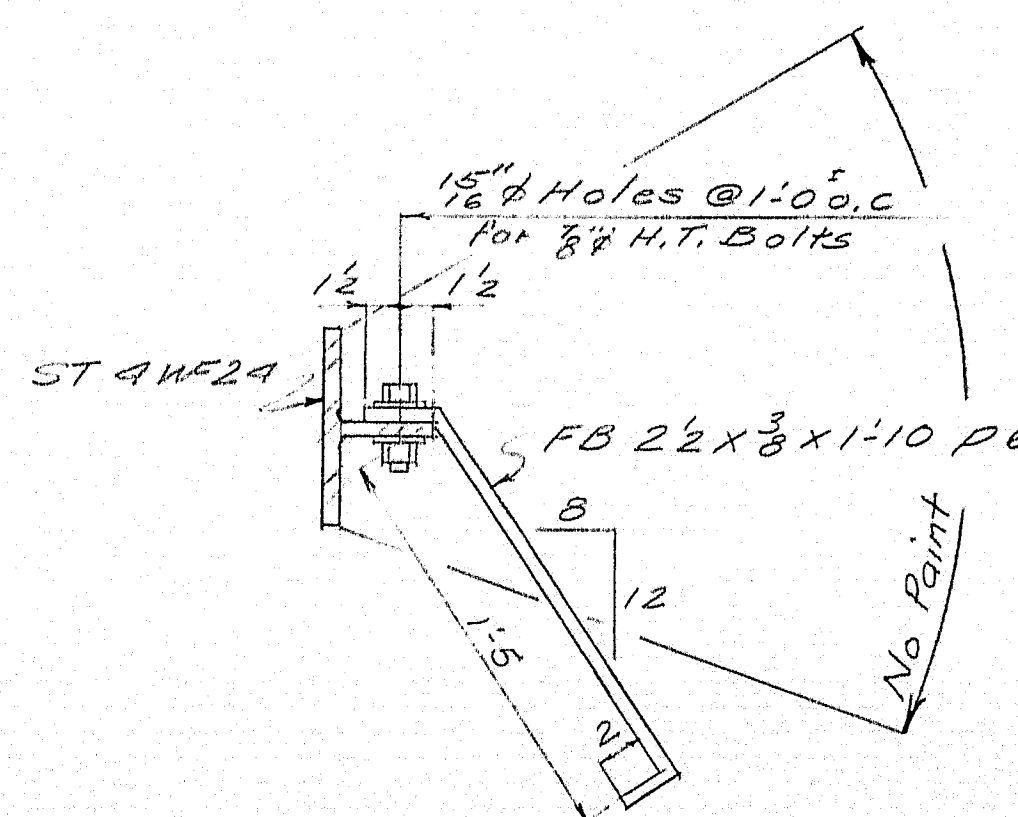
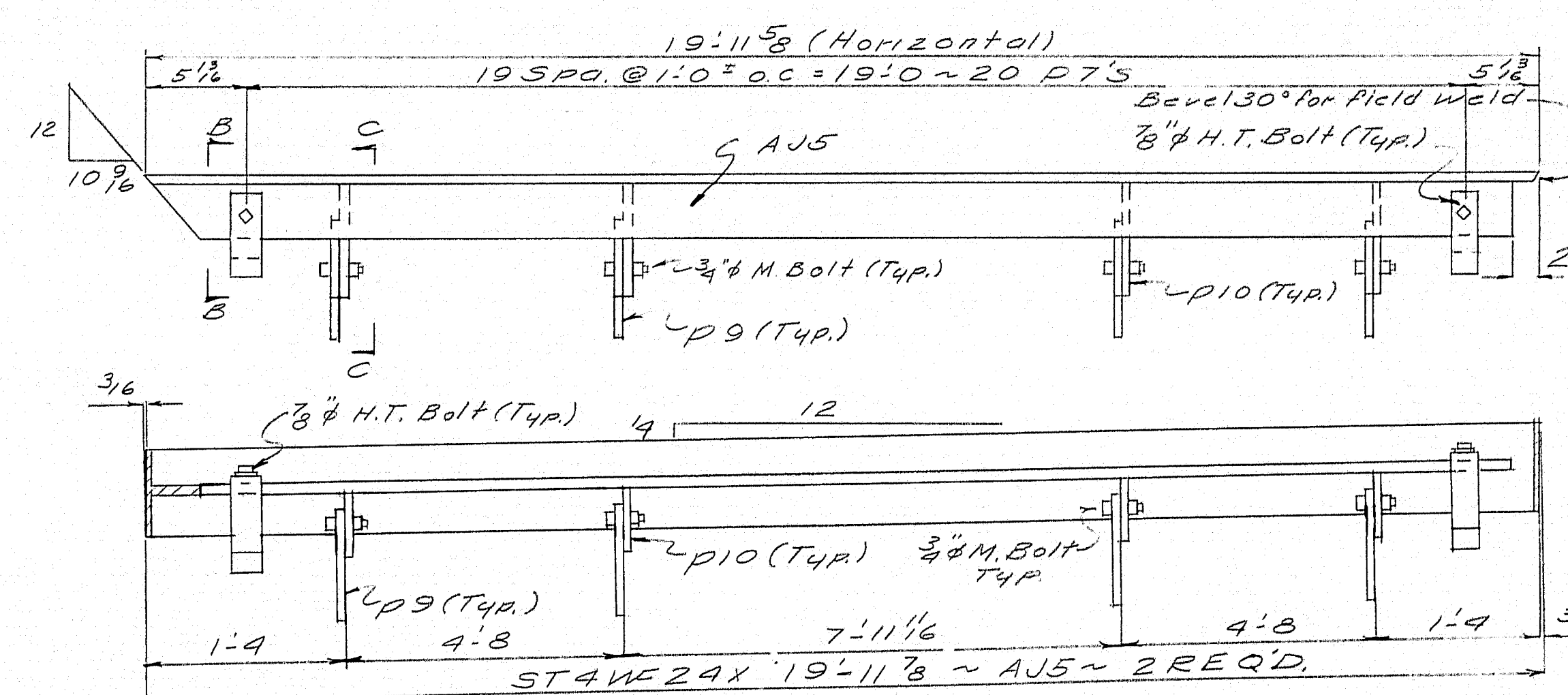
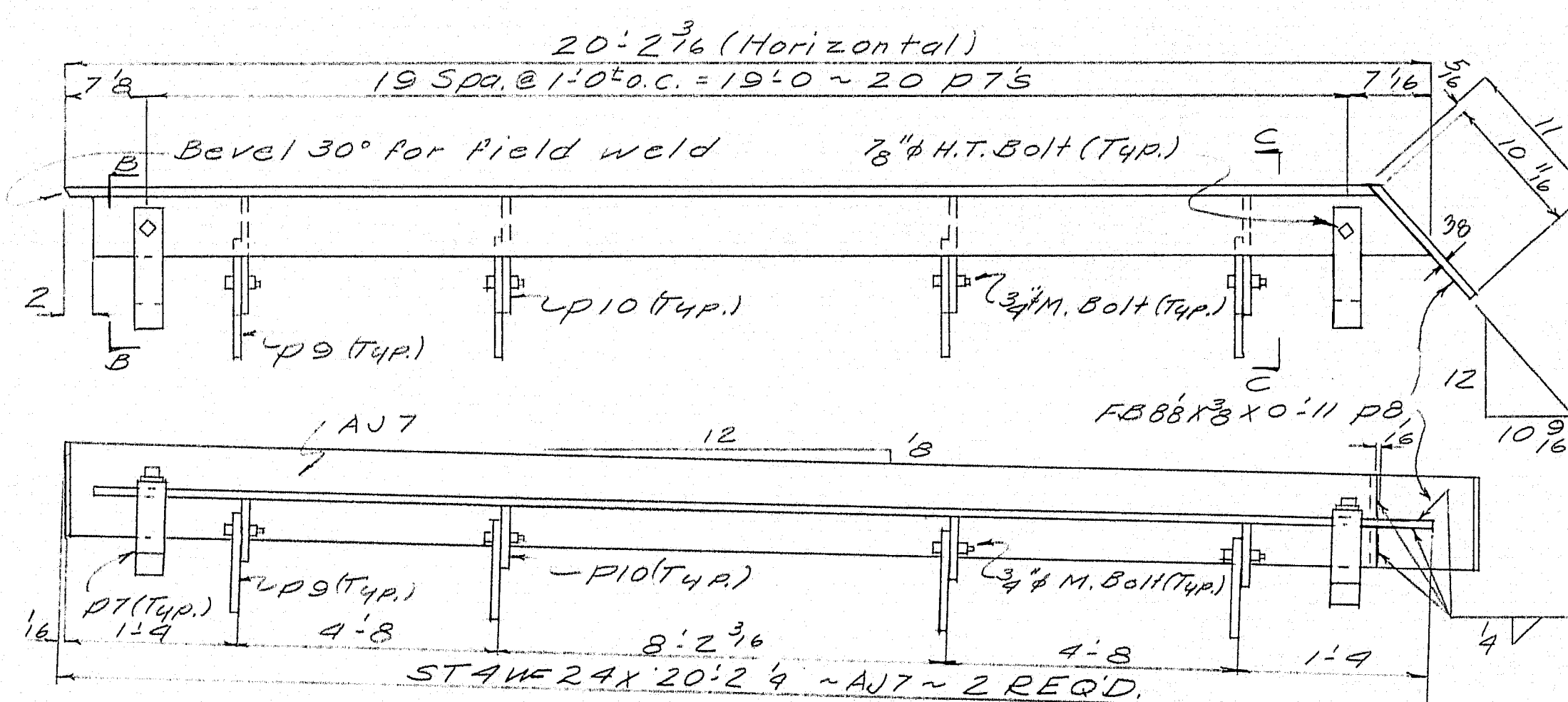
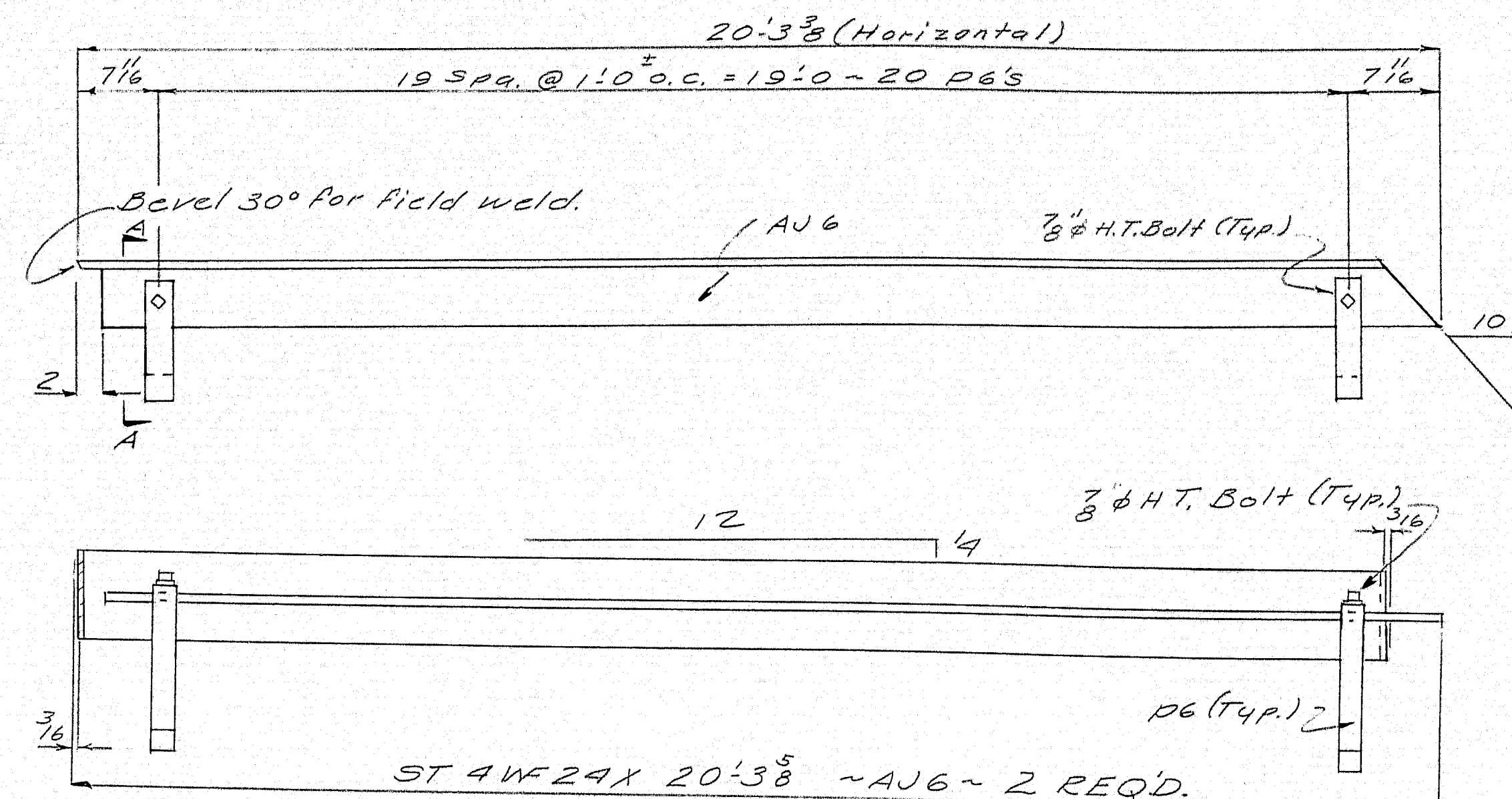
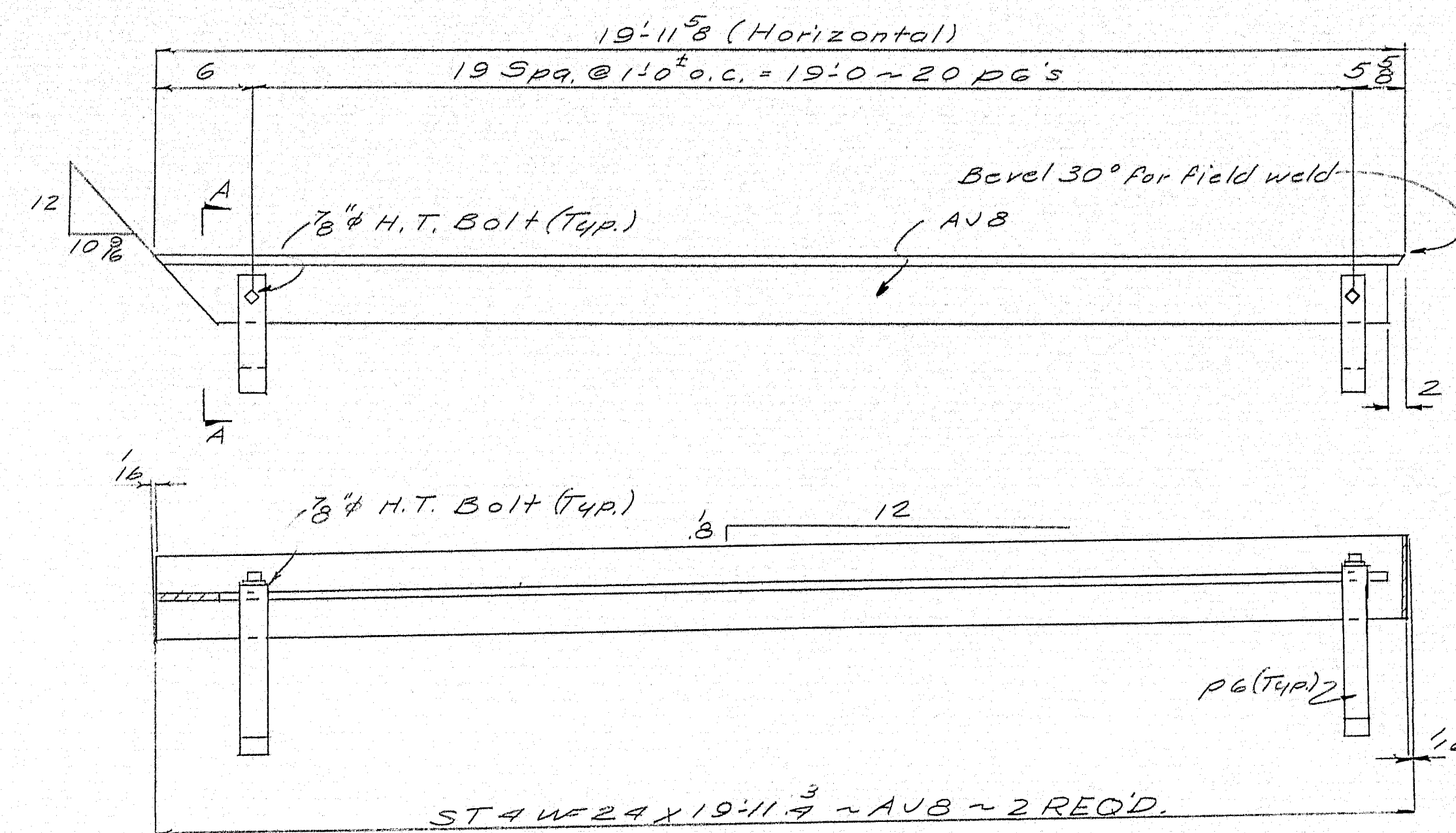
CUSTOMER: E.C. SNODGRASS
DESIGNER: ME. S. H. C.

ORDER NO. VERBAL DWG. NO. 63-5-S2

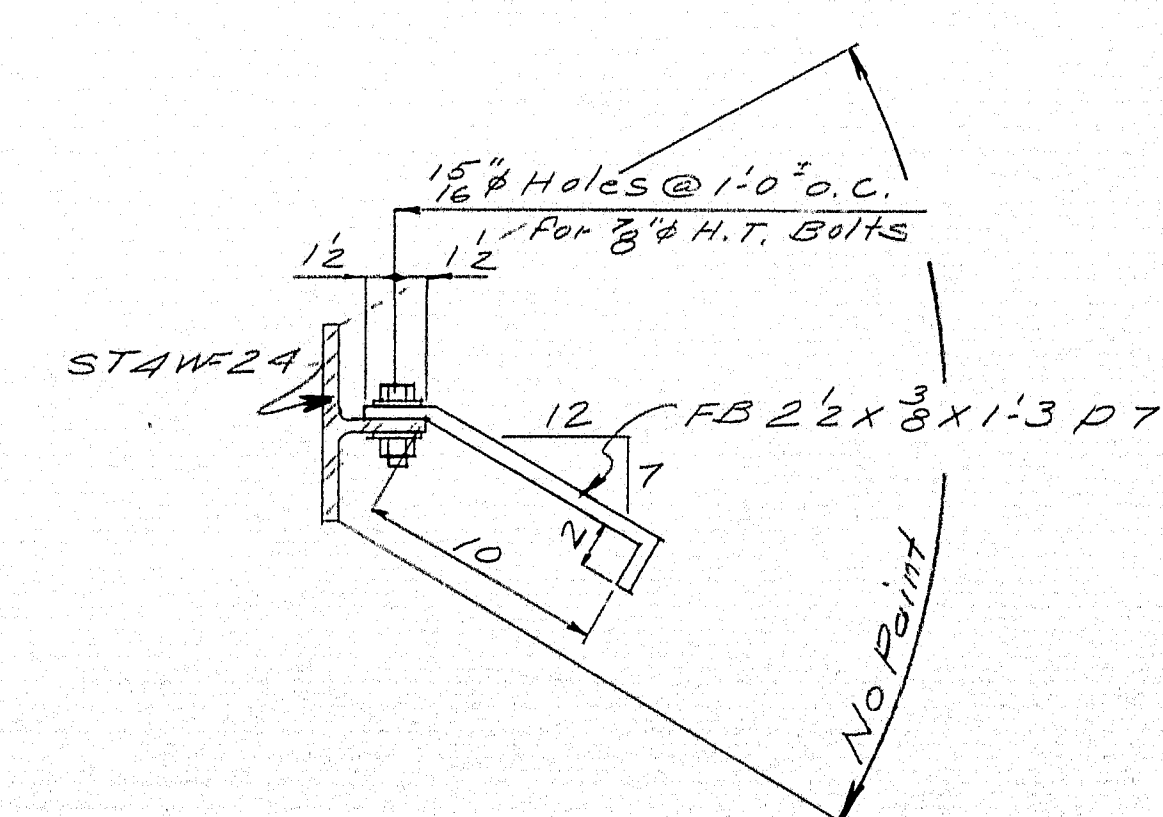
DRAWN	1-18-63	TFG
REVISION	2-5-63	TFG
REVISION		
REVISION		

09-112

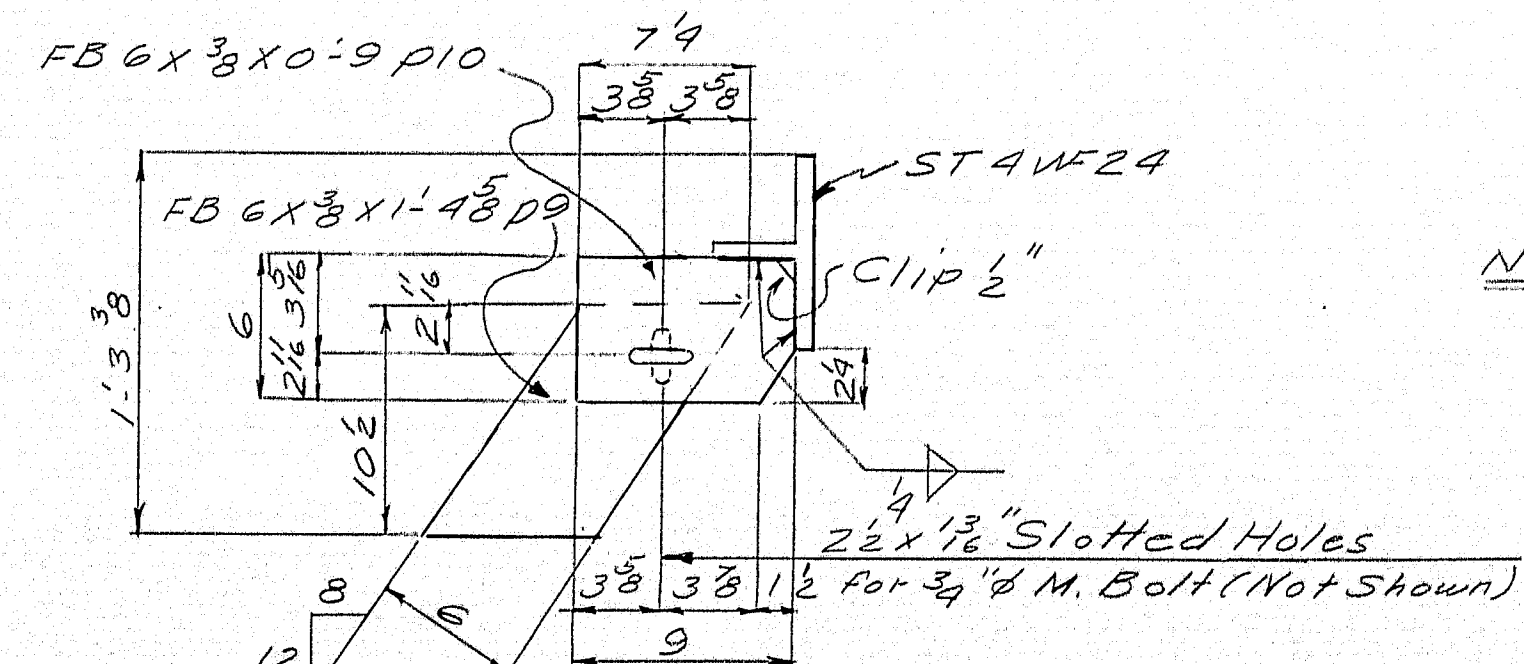




SECTION A-A



SECTION B-B



SECTION C-C

NOTE: See Dwg. S2 For Erection Plan

SHIP		BILL OF MATERIAL				DWG. NO. 63-5-53	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS	
AJ5	2		ST4WF24	19	11 1/8		
AJ6	2		do	20	3 5/8		
AJ7	2		do	20	2 3/4		
AJ8	2		do	19	11 3/8		
		80	P6	FB2 1/2 x 3/8	1	10	Bend
		80	P7	do	1	3	do
		2	P8	FB8 1/2 x 3/8	0	11	
		16	P9	FB 6 x 3/8	1	9 5/8	
		16	P10	do	0	9	
		16	Shop	3/4 M. Bolt	0	1 3/4	
		160	do	3/8 H.T. Bolt	0	2 1/4	H.T. Bolt
		320	do	3/8 Washer			Hard Washer

This Bill of Material Covers This Dwg. Only

SHOP CONNECTIONS: BOLTED, WELDED
FIELD CONNECTIONS: WELDED
HOLES: AS NOTED
PAINT: ME, STATE SPECS, RED LEAD

REF. DWG. SHEET 52 OF 92

ARMORED JOINT DETAILS

Bancroft & Martin Inc.
South Portland 7, Maine

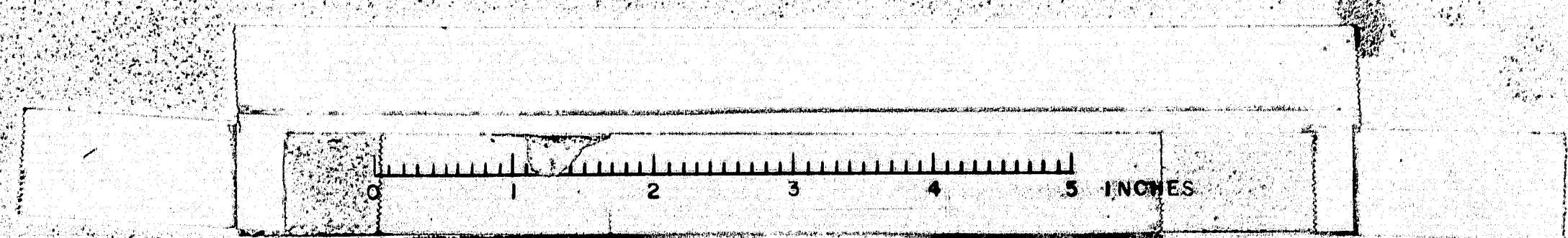
CLINTON A. CLAUSON MEMORIAL
BRIDGES OVER KENNEBEC RIVER

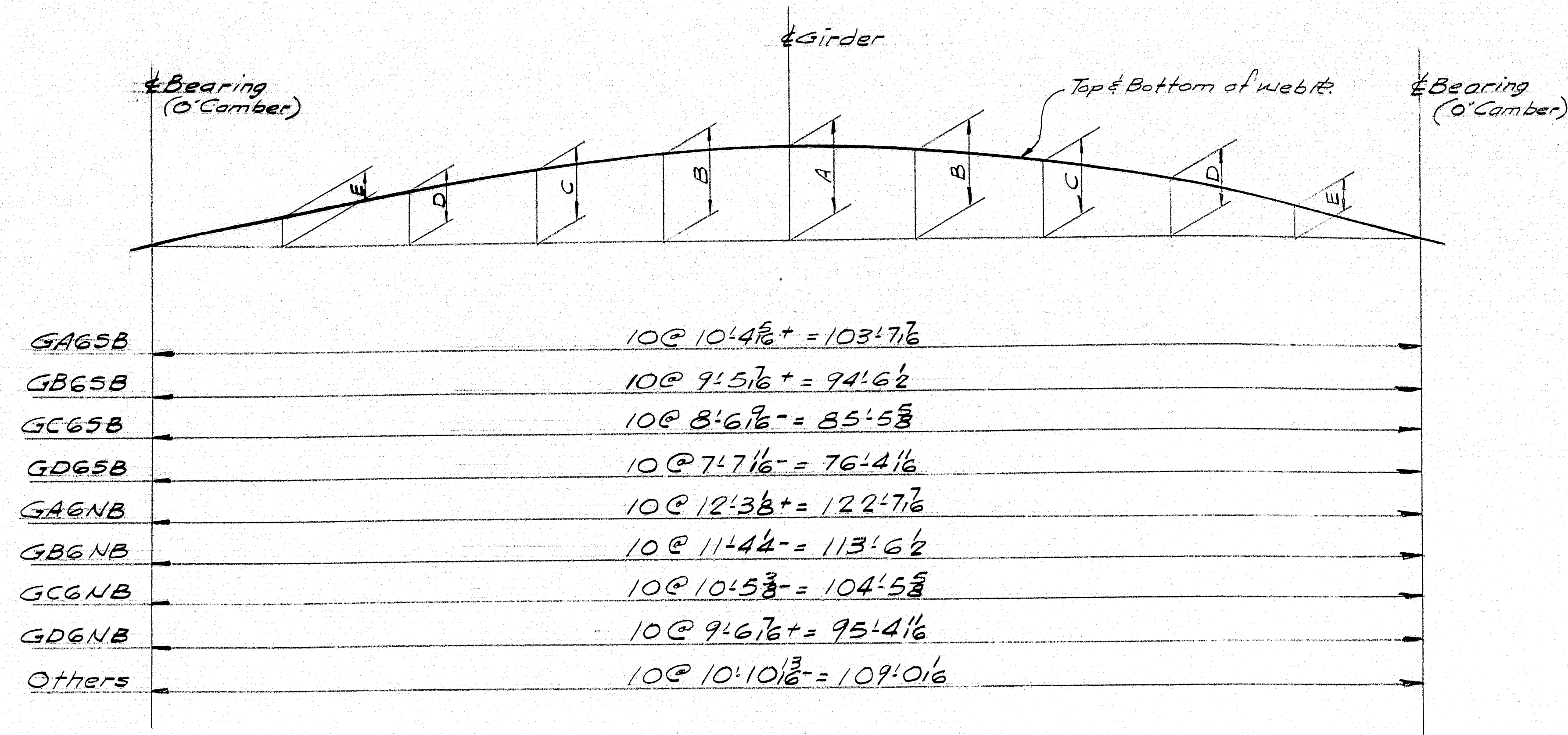
CUSTOMER E.C. SNODGRASS
DESIGNER M.E.S.H.C.

ORDER NO. VERBAL DWG. NO. 63-5-S3

DRAWN	1-21-43	TEG
REVISION	2-5-43	TEG
REVISION		
REVISION		

00-110





Camber Ordinate @

Girder	E	D	C	B	A	Max. Camber Tolerance @ A
GA6SB	1"	1 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	3"	3 $\frac{1}{2}$ "	$\pm \frac{3}{8}$ "
GB6SB	1 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	2 $\frac{5}{8}$ "	$\pm \frac{5}{16}$ "
GC6SB	$\frac{5}{8}$ "	1 $\frac{1}{2}$ "	1 $\frac{3}{4}$ "	1 $\frac{3}{4}$ "	2"	$\pm \frac{5}{16}$ "
GD6SB	1 $\frac{1}{2}$ "	$\frac{3}{4}$ "	1 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	1 $\frac{5}{8}$ "	$\pm \frac{1}{4}$ "
GAGNB	1 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	4 $\frac{1}{2}$ "	4 $\frac{1}{2}$ "	$\pm \frac{1}{8}$ "
GBGNB	1 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	4"	$\pm \frac{3}{8}$ "
GCGNB	1 $\frac{1}{2}$ "	1 $\frac{5}{8}$ "	2 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	$\pm \frac{3}{8}$ "
GDGNB	1 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	$\pm \frac{1}{8}$ "
Others	1 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	$\pm \frac{3}{8}$ "

Spans 7#8SB & Span 7#NB →

Cambers shown are finished cambers.
No allowances shown for shrinkage due to welding.
The ends of girders shall be cut normal to flanges unless otherwise detailed.

SPANS 6-7#8SB & 6-7#NB.

CAMBER DIAGRAM

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

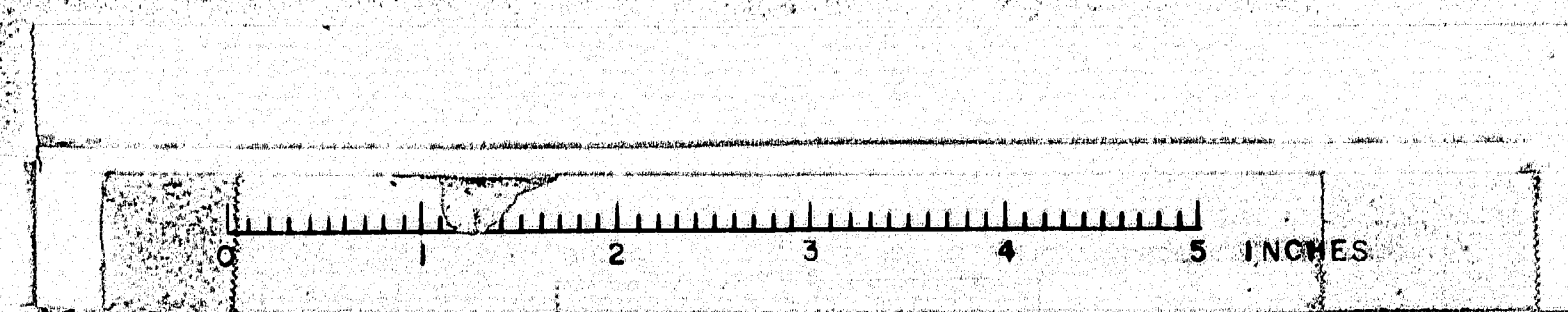
CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE

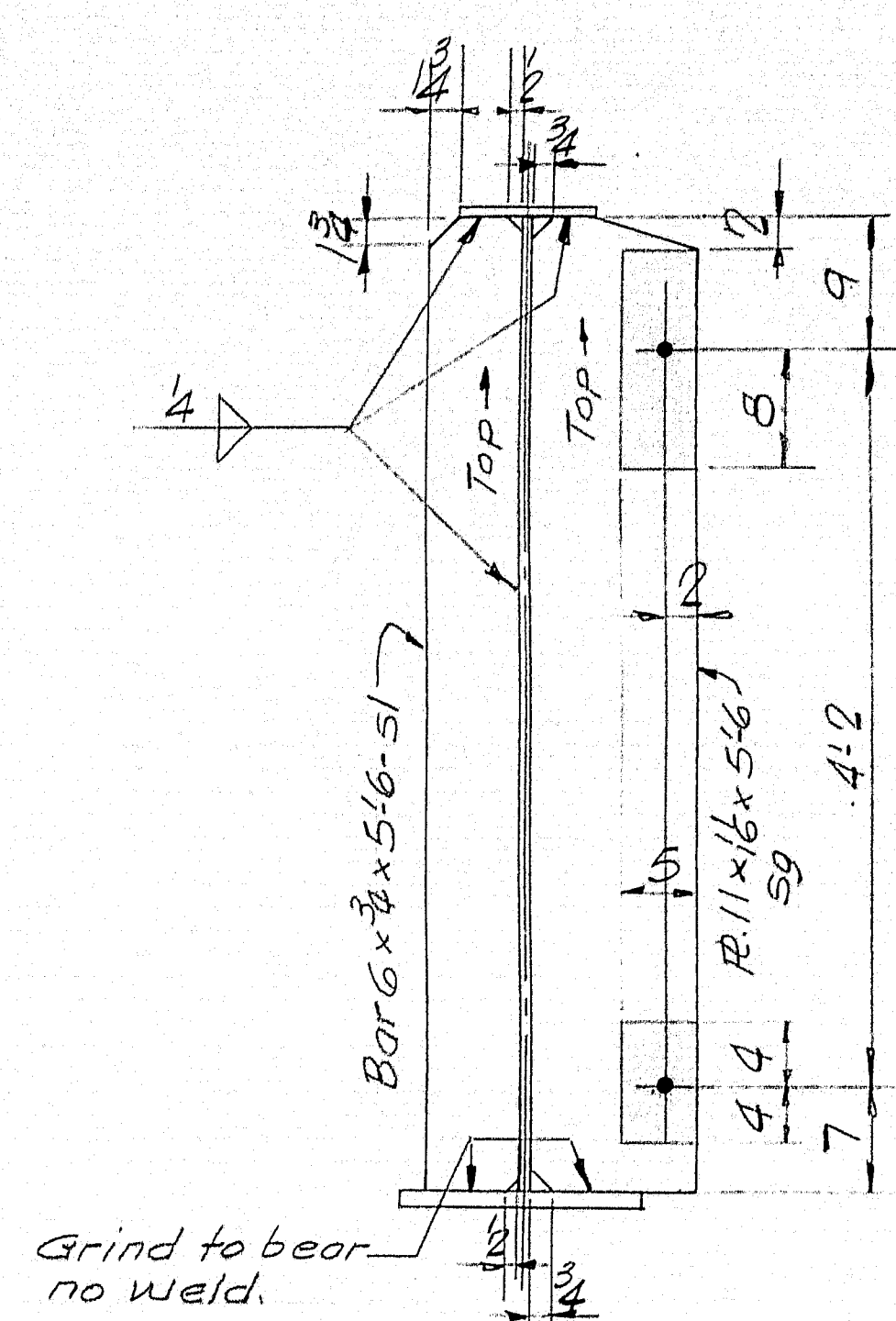
CUSTOMER E.C. SNODGRASS INC.
DESIGNER MAINE S.H.C. BRIDGE DIV.

ORDER NO. VERBAL DWG. NO. 63-5-54

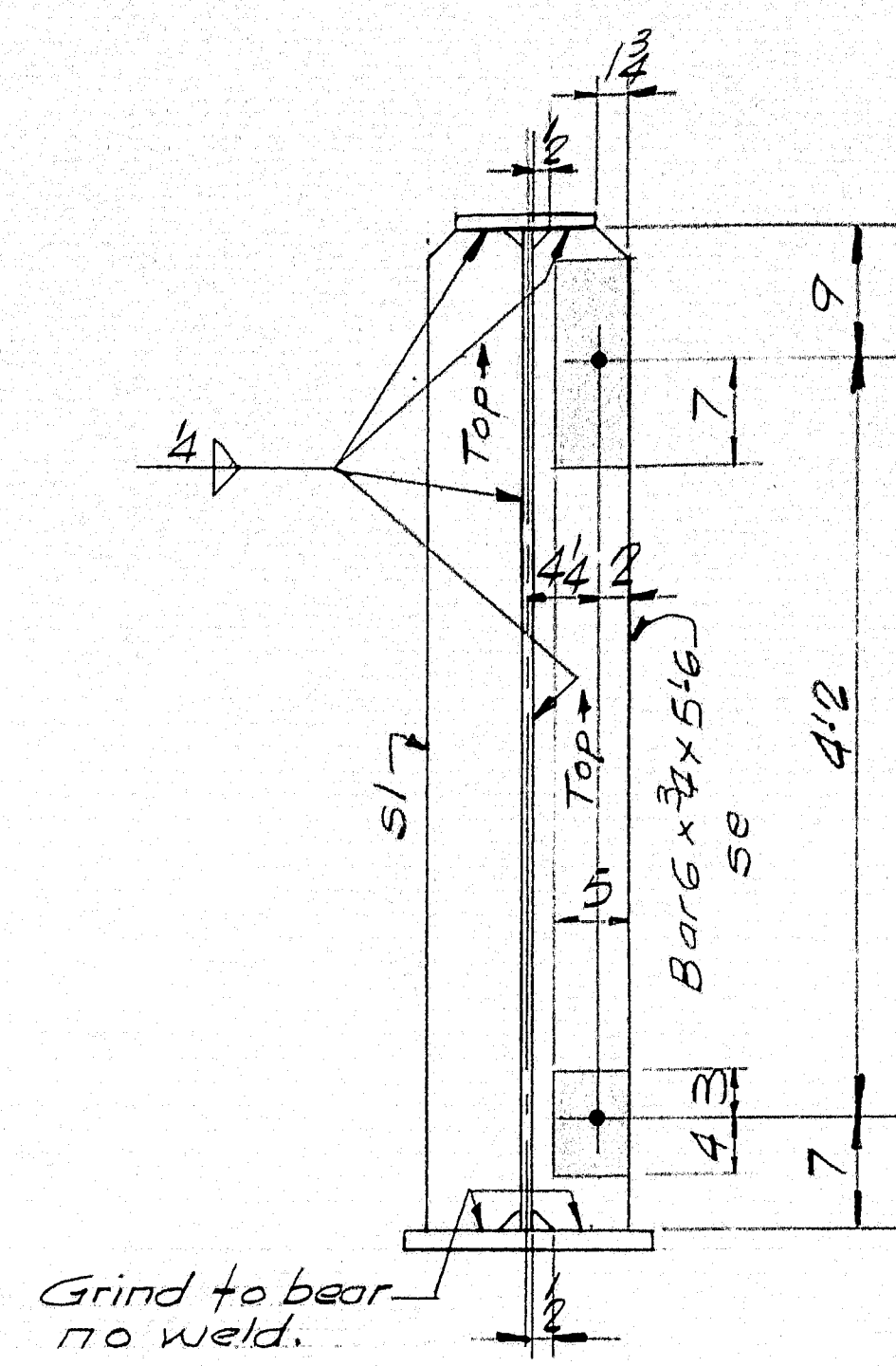
APP. 2-19-63

DRAWN	1-24-63 J.P.F.
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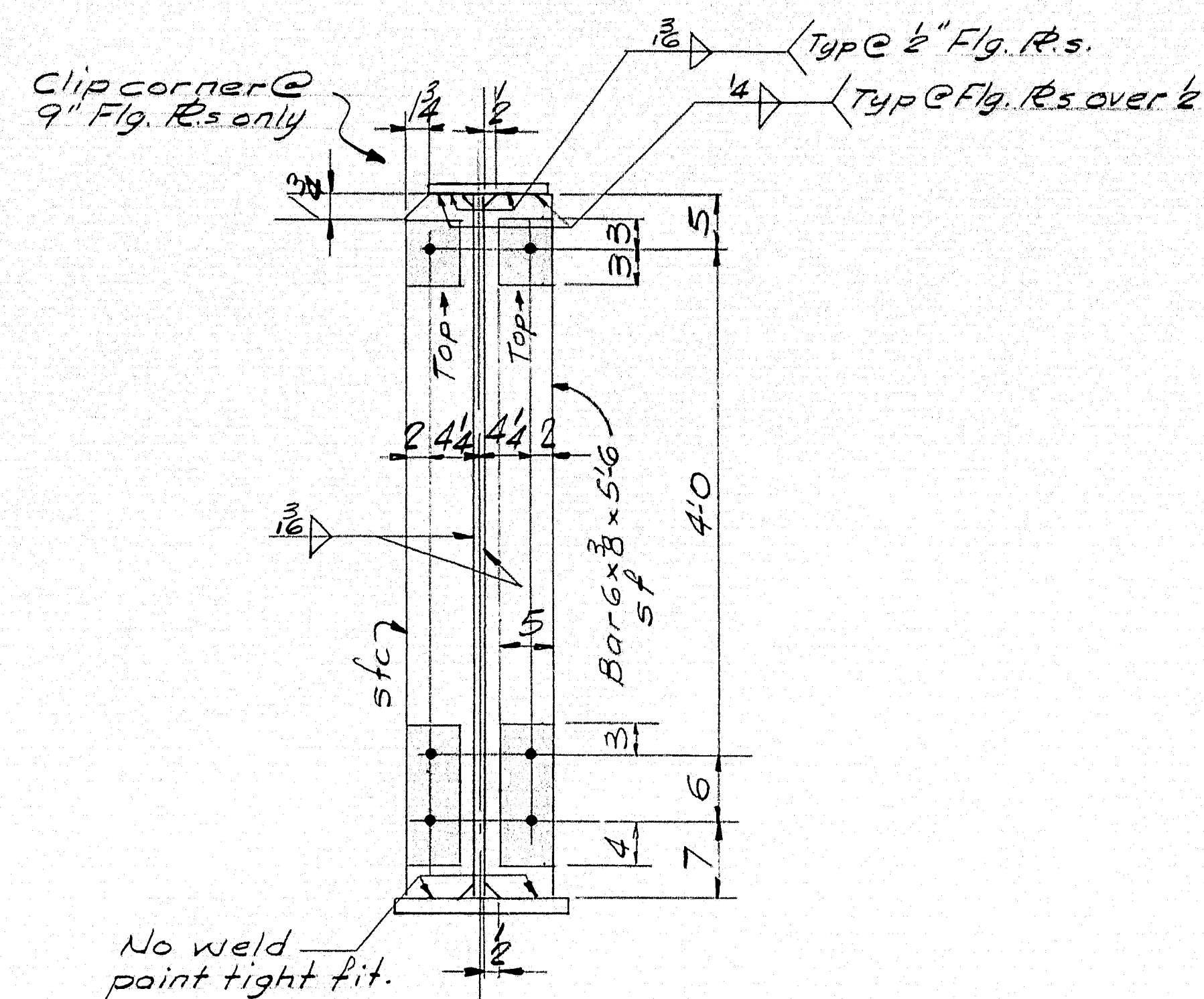




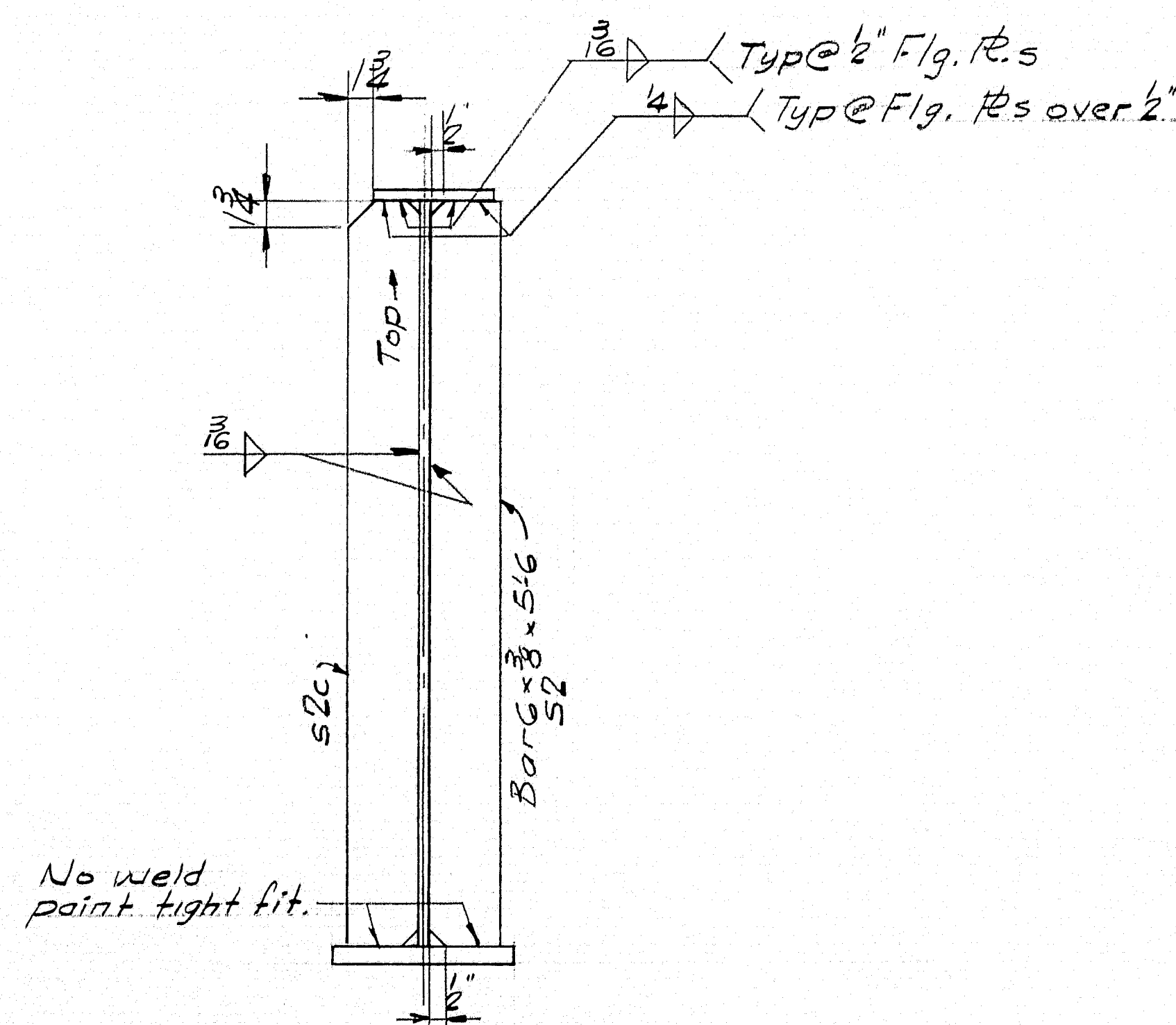
Typ. Detail @ sl & sg



Typ. Detail @ sl & se



Typ. Detail @ sf & stc



Typ. Detail @ s2 & s2c (intermediate stiffeners)

NOTES

- Holes 1/8" ϕ
- There shall be No Paint N.S.F.S of stiffeners @ shaded areas.
- See Note on Dwg W1 for welding of bearing stiffeners sl, sg & se
- All stiffeners to be normal to flanges.

SPANS 6-7 & 8 S.B. & 6 & 7 N.B.

STIFFENER DETAILS

Bancroft & Norton Rolling Mills Company
South Portland, Maine

CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE

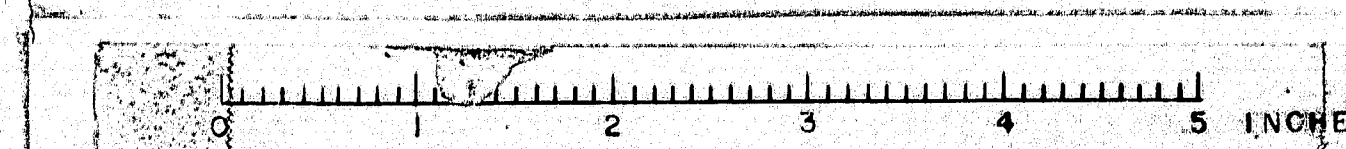
CUSTOMER E.C. SNODGRASS, INC.

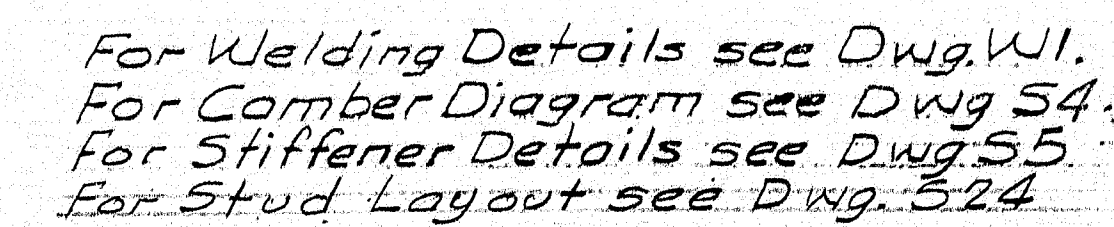
DESIGNER MAINE S.H.C. B.R.

ORDER NO. VERBAL DWG. NO. 63-5-55

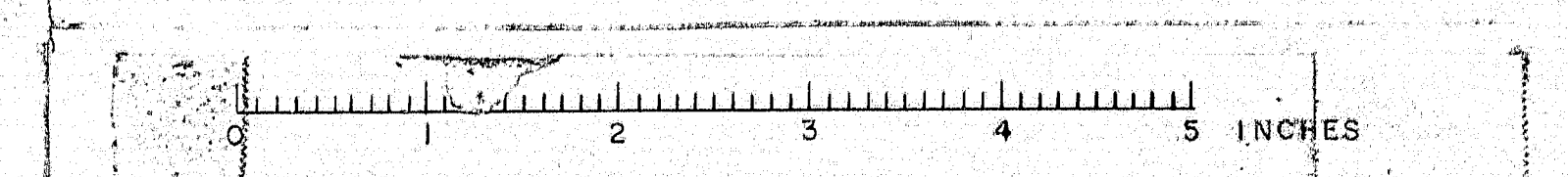
APR 2-19-63

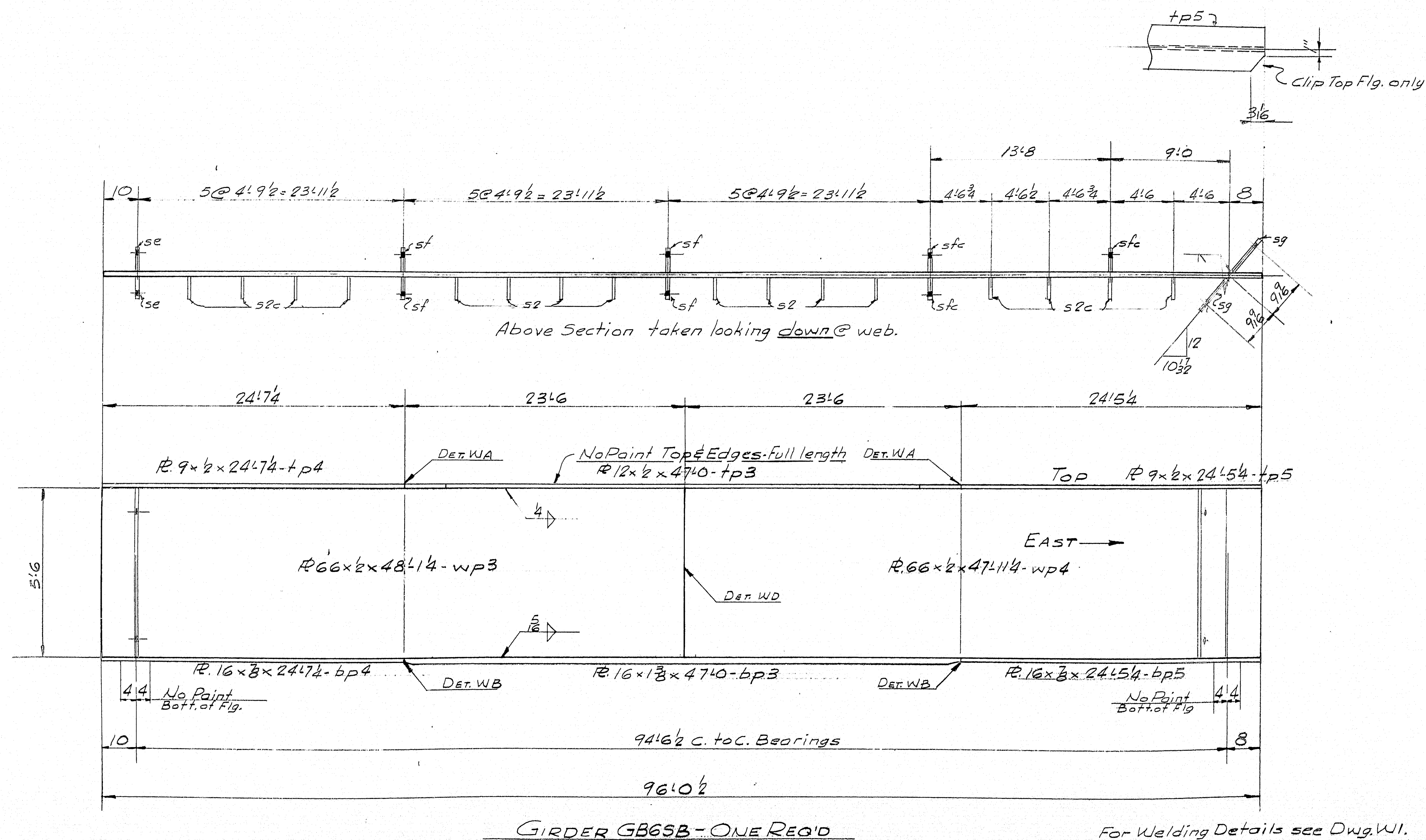
DRAWN	J.P.F.
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REVISION	





DRAWN	1-25-63	J.P.F.
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For Welding Details see Dwg. W1.
For Camber Diagram see Dwg. S4.
For Stiffener Details see Dwg. S5.
For Stud Layout see Dwg. S24.

SHIP		BILL OF MATERIAL				DWG. NO. 63-5-57
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
GB6SB	1		GIRDER	96'0 1/2		
	1	wp3	R 66 x 1/2	48'1 1/4		
	1	wp4	Do	47'11 1/4		
	1	tp3	R 12 x 1/2	47'0		
	1	tp4	R 9 x 1/2	24'7 1/4		
	1	tp5	Do	24'5 1/4		
	1	bp3	R 16 x 3/8	47'0		
	1	bp4	R 16 x 3/8	24'7 1/4		
	1	bp5	Do	24'5 1/4		
	2	se	Bar 6 x 3/4	5'6 1/2		
	2	sq	R 11 x 1/6	5'6 1/2		
	8	sf	Bar 6 x 3/8	5'6		
	8	sf	Do	5'6		
	4	sf	Do	5'6		
	3	sf	Do	5'6		

All Mat. A.S.T.M. Desig. A-441 unless noted

* ASTM Desig. 47 or A36

STRUCTURAL STEEL ITEM 702-103B

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES: 1/2" Ø
PAINT: Per Maine Specs & as noted

SPANS 6' 7" B.S. B. 6' 7" N.B.

GIRDER GB6SB

Bancroft & Martin Inc.
South Portland, Maine

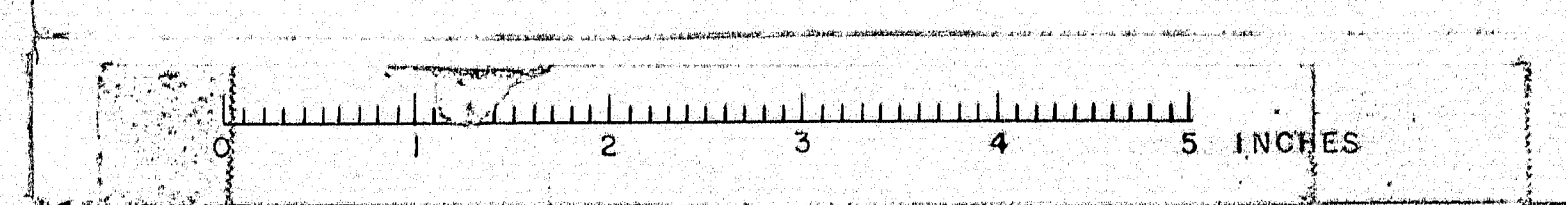
CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE

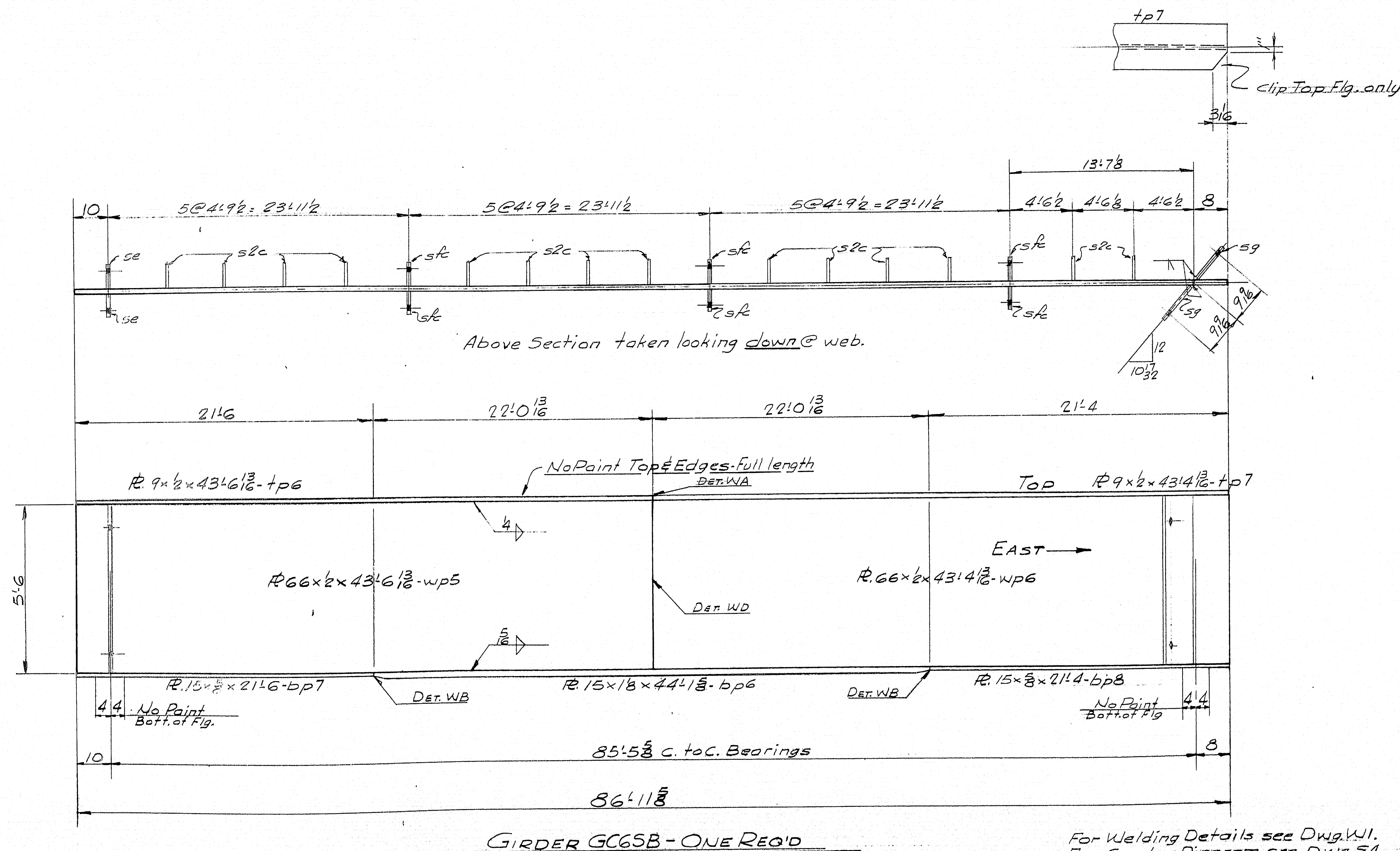
CUSTOMER E.C. SNODGRASS INC.
DESIGNER MAINE S.H.C. BRIDGE DIV.

ORDER NO. VERBAL DWG. NO. 63-5-57

DRAWN	1-25-63	J.P.F.
REVISION		
REVISION		
REVISION		

89-117





SHIP		BILL OF MATERIAL				DWG. NO. 63-5-58
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
GC6SB	1		GIRDER	86' 11 1/8"	—	
	1	wp5	R. 66 x 1/2	43' 6 1/8"		
	1	wp6	Do	43' 4 1/8"		
	1	tp6	R. 9 x 1/2	43' 6 1/8"		
	1	tp7	Do	43' 4 1/8"		
	1	bp6	R. 15 x 1/8	44' 1 1/8"		
	1	bp7	R. 15 x 1/8	21' 6"		
	1	bp8	Do	21' 4"		
	2	sg	Bar 6 x 3/4	5' 6 1/2"		
	2	sg	R. 11 x 1/8	5' 6 1/2"		
	14	sfc	Bar 6 x 3/4	5' 6"		
	6	sfc	Do	5' 6"		

ALL Mat. A.S.T.M. Desig. A-441 unless noted

* A.S.T.M. Desig. A7 or A36

STRUCTURAL STEEL ITEM 702-103B

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES: 1/8" φ
PAINT: Per Maine Specs & as noted

SPANS 6-7#8 S.B. & 6#7 N.B.

GIRDER GC6SB

Panorcroft & Martin Inc.
South Portland 7, Maine

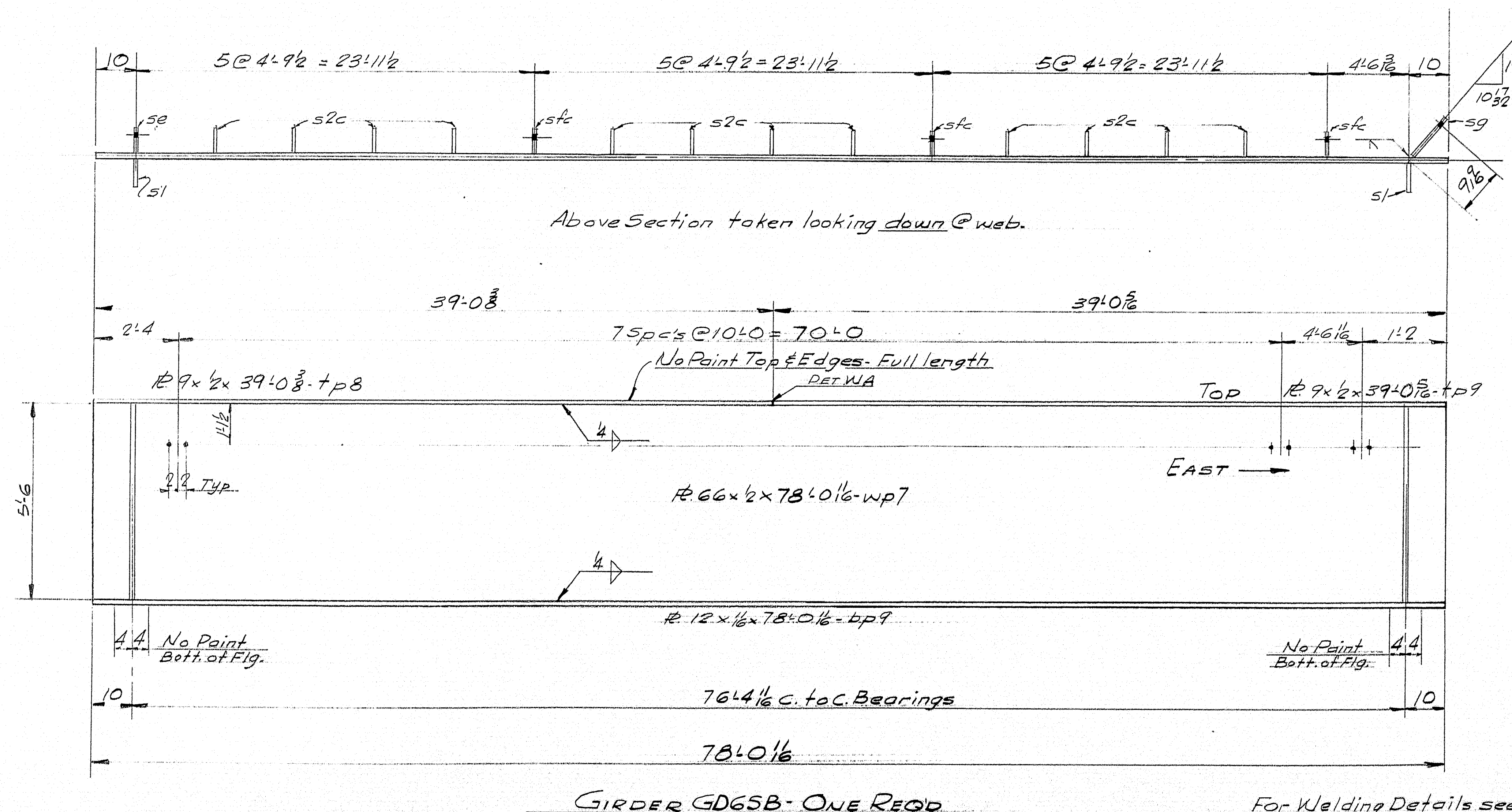
CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE

CUSTOMER E.C. SNODGRASS INC.
DESIGNER MAINE S.H.C. BRIDGE DIV.

ORDER NO. VERBAL DWG. NO. 63-5-58

DRAWN	1-25-63	J.P.P.
REVISION		
REVISION		
REVISION		

89-110



For Welding Details see Dwg. W1.
For Camber Diagram see Dwg. 54.
For Stiffener Details see Dwg. 55.
For Stud Layout see Dwg. 524.

SHIP		BILL OF MATERIAL				DWG. NO. 63-5-S9
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
GD6SB	1		GIRDER	78' 0 1/2"	-	
	1	wp7	R. 66 x 1/2	78' 0 1/2"		
	1	tp8	R. 9 x 1/2	39' 0 3/8"		
	1	bp9	R. 12 x 1/2	78' 0 1/2"		
	2	s1	Bar G x 3/4	5' 6 3/8"		
	1	se	Do	5' 6 3/8"		
	1	sg	R. 11 x 1/2	5' 6 3/8"		
	12	s2c	Bar G x 3/4	5' 6"		
	3	sfc	Do	5' 6"		

All Mat. A.S.T.M. Desig. A-441 unless noted

* A.S.T.M. Desig. A7 or A36

STRUCTURAL STEEL ITEM 70R-103B

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES: 1/8" Ø
PAINT: Per Maine Spec's # as noted

SPANS 6-7#85.B&G#7N.B.

GIRDER GD6SB

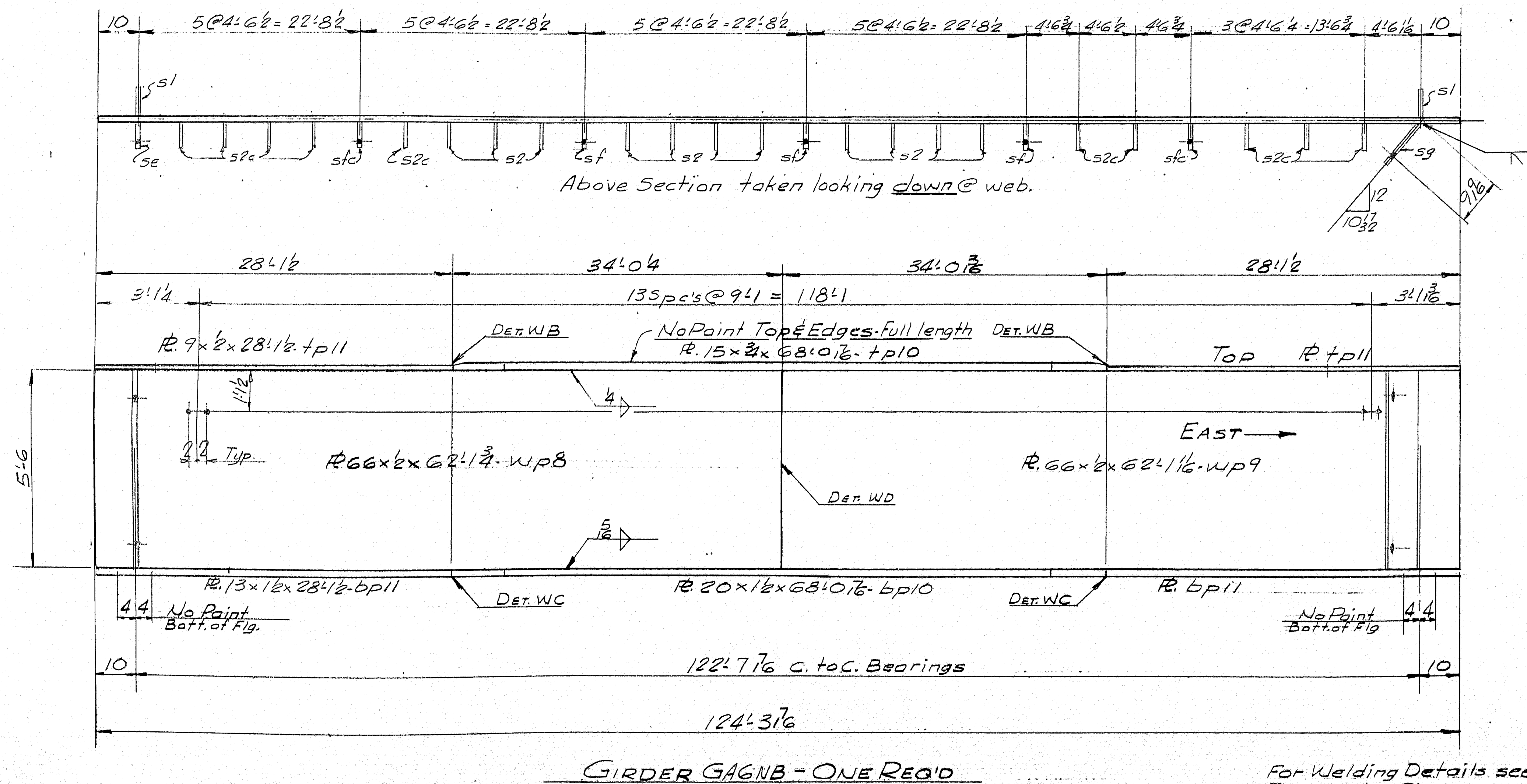
Bancroft V. Martin Inc.
South Portland 7, Maine

CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE

CUSTOMER E.C. SNODGRASS INC.
DESIGNER MAINE S.H.C. BRIDGE DIV.

ORDER NO. VERBAL DWG. NO. 63-5-S9

89-119



For Welding Details see Dwg. W1.
For Camber Diagram see Dwg. S4.
For Stiffener Details see Dwg. S5.
For Stud Layout see Dwg. S24.

SHIP		BILL OF MATERIAL				DWG. NO. 63-5-510
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
GAGNB	1		GIRDER	124' 3 1/2"	-	
	1	WP8	R 66 x 1/2	62' 1 1/4"		
	1	WP9	Do	62' 1 1/4"		
	1	bp10	R 13 x 1/2	68' 0 7/8"		
	2	bp11	R 9 x 1/2	28' 1/2"		
	1	bp10	R 20 x 1/2	68' 0 7/8"		
	2	bp11	R 13 x 1/2	28' 1/2"		
	2	s1	Bar 6 x 3/4	5' 6 1/2"		
	1	se	Do	5' 6 1/2"		
	1	sg	R 11 x 1/2	5' 6 1/2"		
	11	s2	Bar 6 x 3/4	5' 6"		
	10	s2c	Do	5' 6"		
	3	s1	Do	5' 6"		
	2	s1c	Do	5' 6"		

All Mat. A.S.T.M. Desig. A-441 unless noted

* ASTM Desig. A7 or A36

STRUCTURAL STEEL ITEM 702-103B

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES: 1/8" φ
PAINT: Per Maine Specs & as noted

SPANS 6-7#8 S.B.#6#7 N.B.

GIRDER GAGNB

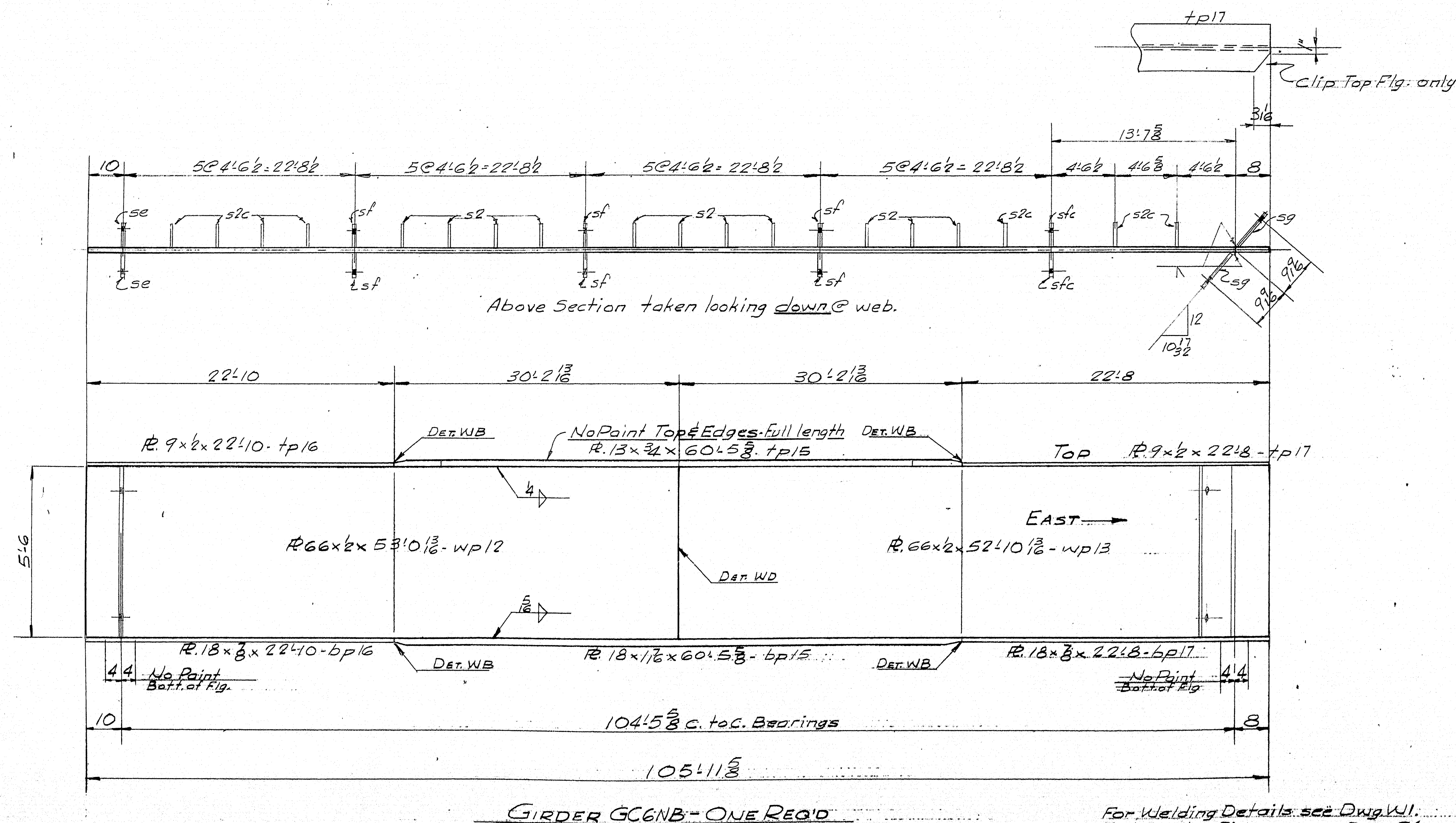
Bancroft & Martin Inc.
South Portland, Maine

CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE

CUSTOMER E.G. SNODGRASS INC.
DESIGNER MAINE S.H.C. BRIDGE DIV.

ORDER NO. VERBAL DWG. NO. 63-5-510

89-120



SHIP		BILL OF MATERIAL				DWG. NO. 63-5-5/2
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
GCGNB	1		GIRDER	105'11 1/2"		
	1	wp12	R. 66x2	53'10 1/2"		
	1	wp13	Do	52'10 1/2"		
	1	tp15	R. 13x3/4	60'5 3/8"		
	1	tp16	R. 9x2	22'10"		
	1	tp17	Do	22'8"		
	1	bp15	R. 18x1/2	60'5 3/8"		
	1	bp16	R. 18x3/4	22'10"		
	1	bp17	Do	22'8"		
	2	se	Bar 6x3/4	5'6"		
	2	sg	R. 11x1/2	5'6"		
	11	st	Bar 6x3/8	5'6"		
	7	stc	Do	5'6"		
	6	sf	Do	5'6"		
	2	stc	Do	5'6"		

All Mat. A.S.T.M. Desig. A.441 unless noted

* ASTM Desig. A7 or A36

STRUCTURAL STEEL ITEM 702-103B

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES: 1/2" Ø
PAINT: Per Maine Specs & as noted.

SPANS 6: 7#8.5.B#6#7N.B.

GIRDER GCGNB

Bancroft & Martin Inc.
South Portland, Maine

APP. 2-19-63

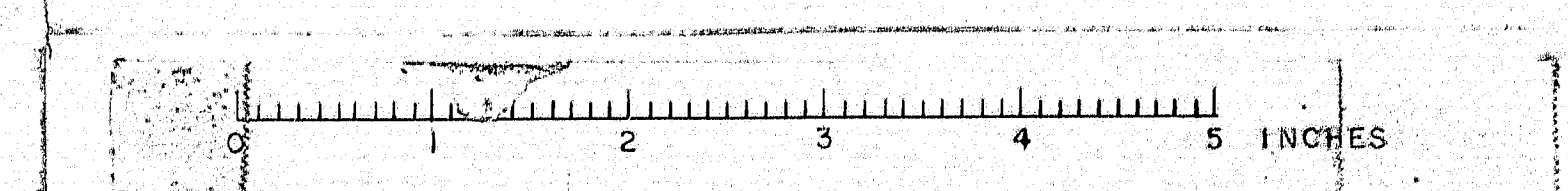
CLINTON A. CLAUSON MENT. BRIDGE
FAIRFIELD, MAINE

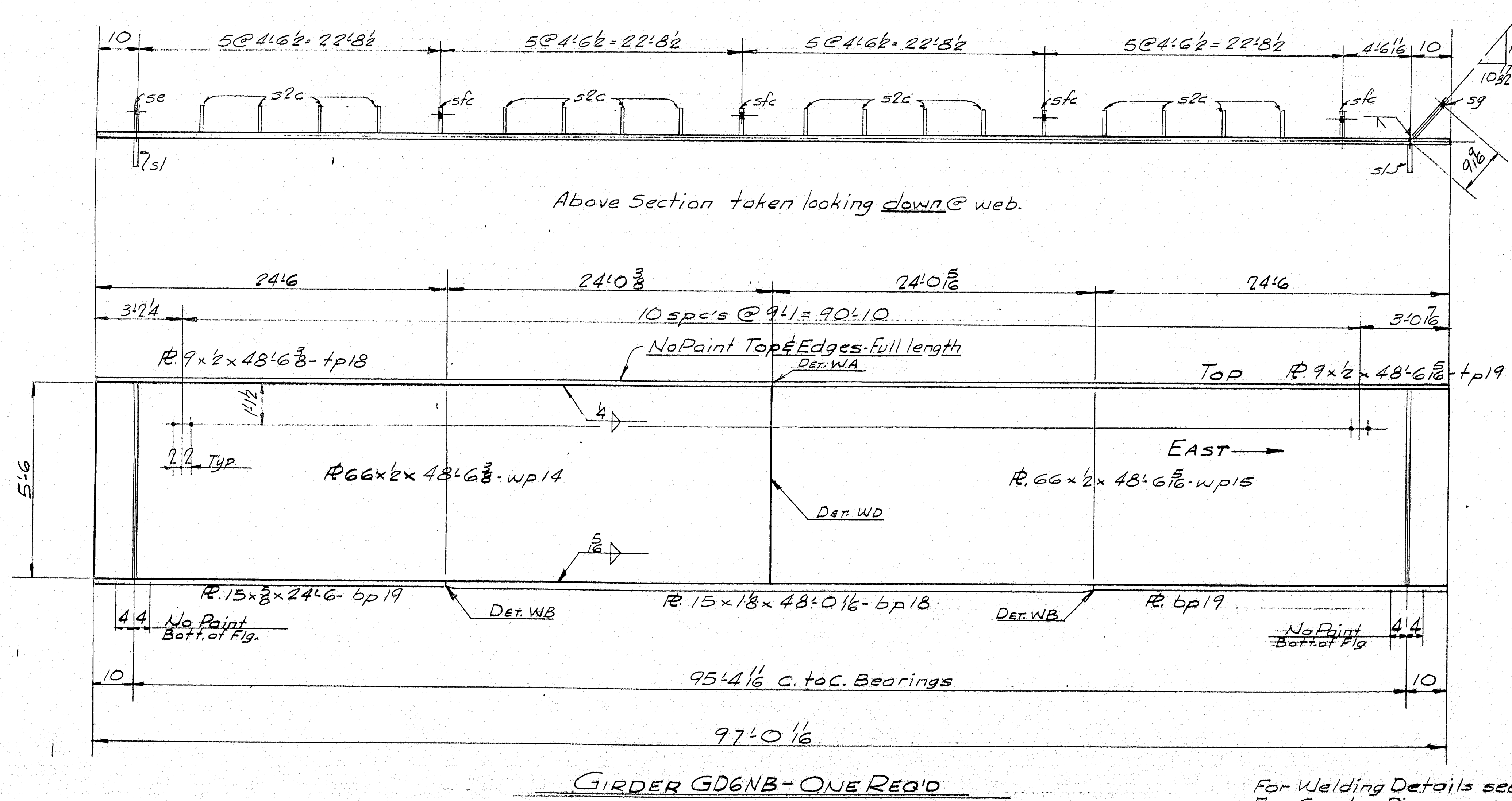
CUSTOMER: E.G. SNODGRASS INC.
DESIGNER: MAINE S.H.C. BRIDGE DIV.

ORDER NO. VERBAL DWG. NO. 63-5-5/2

DRAWN	1-22-63 J.P.P.
REVISION	
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REVISION	

89-122





For Welding Details see Dwg. W1.
 For Camber Diagram see Dwg. S4.
 For Stiffener Details see Dwg. S5.
 For Stud Layout see Dwg. S24.

SHIP		BILL OF MATERIAL				DWG. NO. 63-5-S/3
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
GD6NB	1		GIRDER	97' 0 1/8"		
	1	WP14	R 66 x 2	48' 6 3/8"		
	1	WP15	Do	48' 6 3/8"		
	1	tp18	R 9 x 1/2	48' 6 3/8"		
	1	tp19	Do	48' 6 3/8"		
	1	bp18	R 15 x 1/8	48' 0 1/8"		
	2	bp19	R 15 x 3/8	24' 6"		
	2	sl	Bar 6 x 3/4	5' 6 3/8"		
	1	sl	Do	5' 6 3/8"		
	1	sl	R 11 x 1/8	5' 6 3/8"		
	16	sl	Bar 6 x 3/8	5' 6"		
	4	sl	Do	5' 6"		

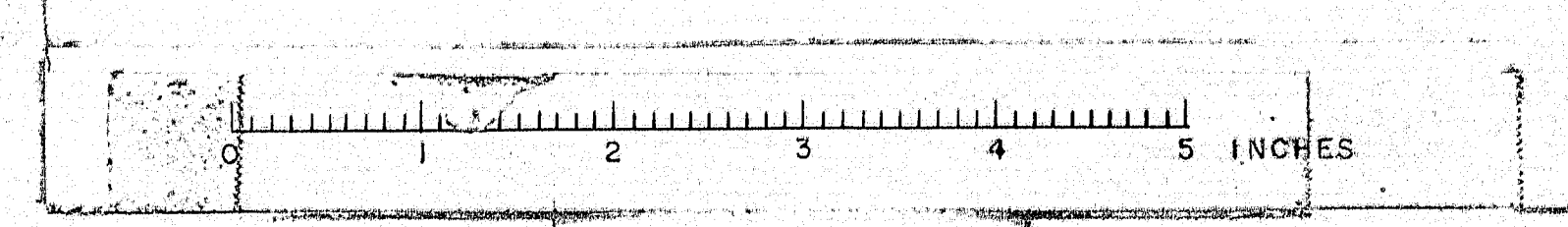
All Mat. A.S.T.M. Desig. A-441 unless noted
 *ASTM Desig. 47 or A36
 STRUCTURAL STEEL ITEM 702-103B

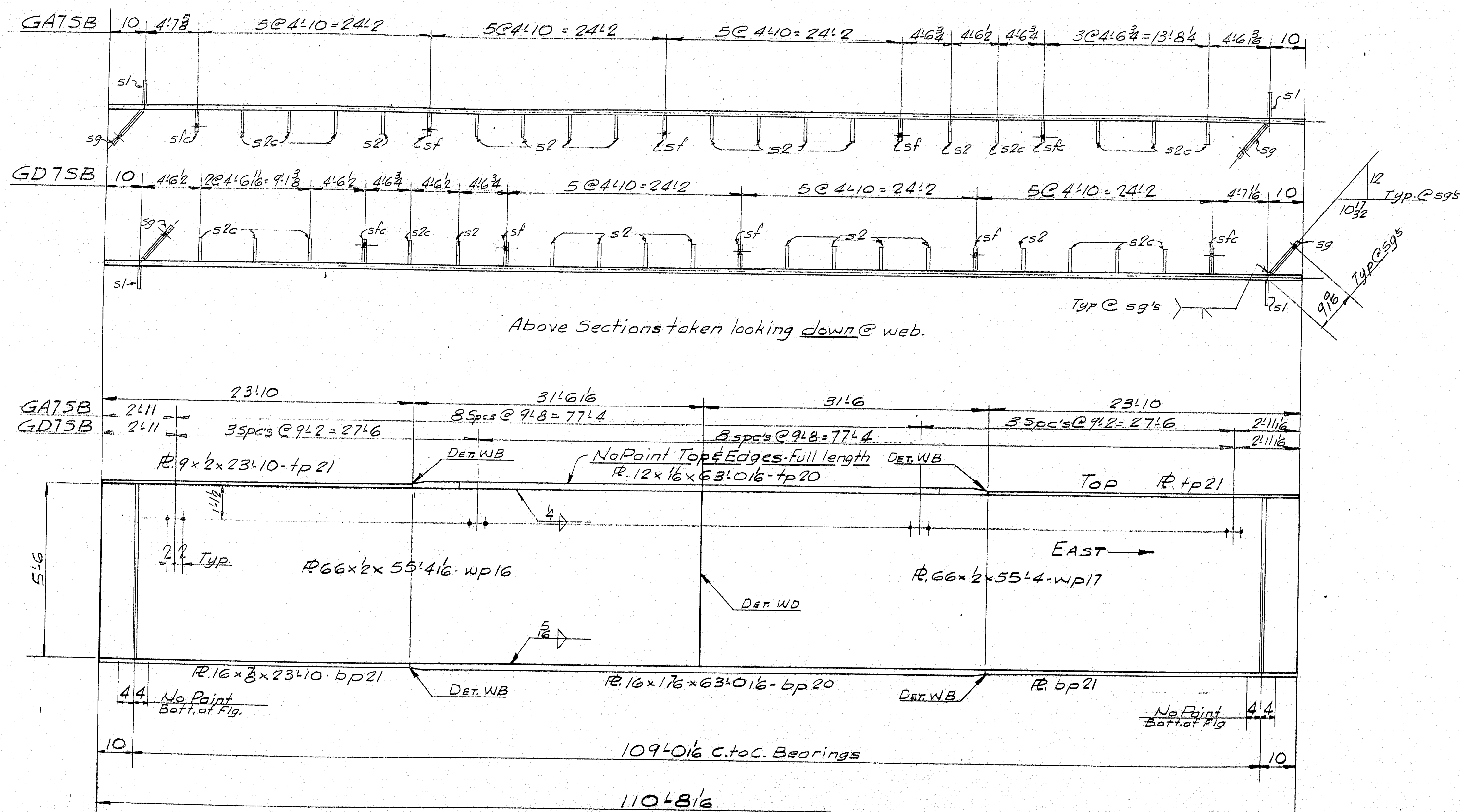
SHOP CONNECTIONS: Welded
 FIELD CONNECTIONS: Welded
 HOLES: 1/8" φ
 PAINT: Per Maine Specs & as noted

SPANS 6'-7 1/2" S.B. & 6'-7" N.B.
 GIRDER GD6NB:
 Bancroft & Martin Inc.
 South Portland, Maine
 CLINTON A. CLAUSON MEM. BRIDGE
 FAIRFIELD, MAINE

CUSTOMER E.C. SNODGRASS INC.
 DESIGNER MAINE S.H.G. BRIDGE DIV.
 ORDER NO. VERBAL DWG. NO. 63-5-S/3

DRAWN	1-28-63	J.P.F.
REVISION		
REVISION		
REVISION		





GIRDER GA7SB - ONE REQ'D - As Noted.
GIRDER GD7SB - ONE REQ'D - As Noted.

For Welding Details see Dwg. W1.
For Camber Diagram see Dwg. S4.
For Stiffener Details see Dwg. S5.
For Stud Layout see Dwg. S24.

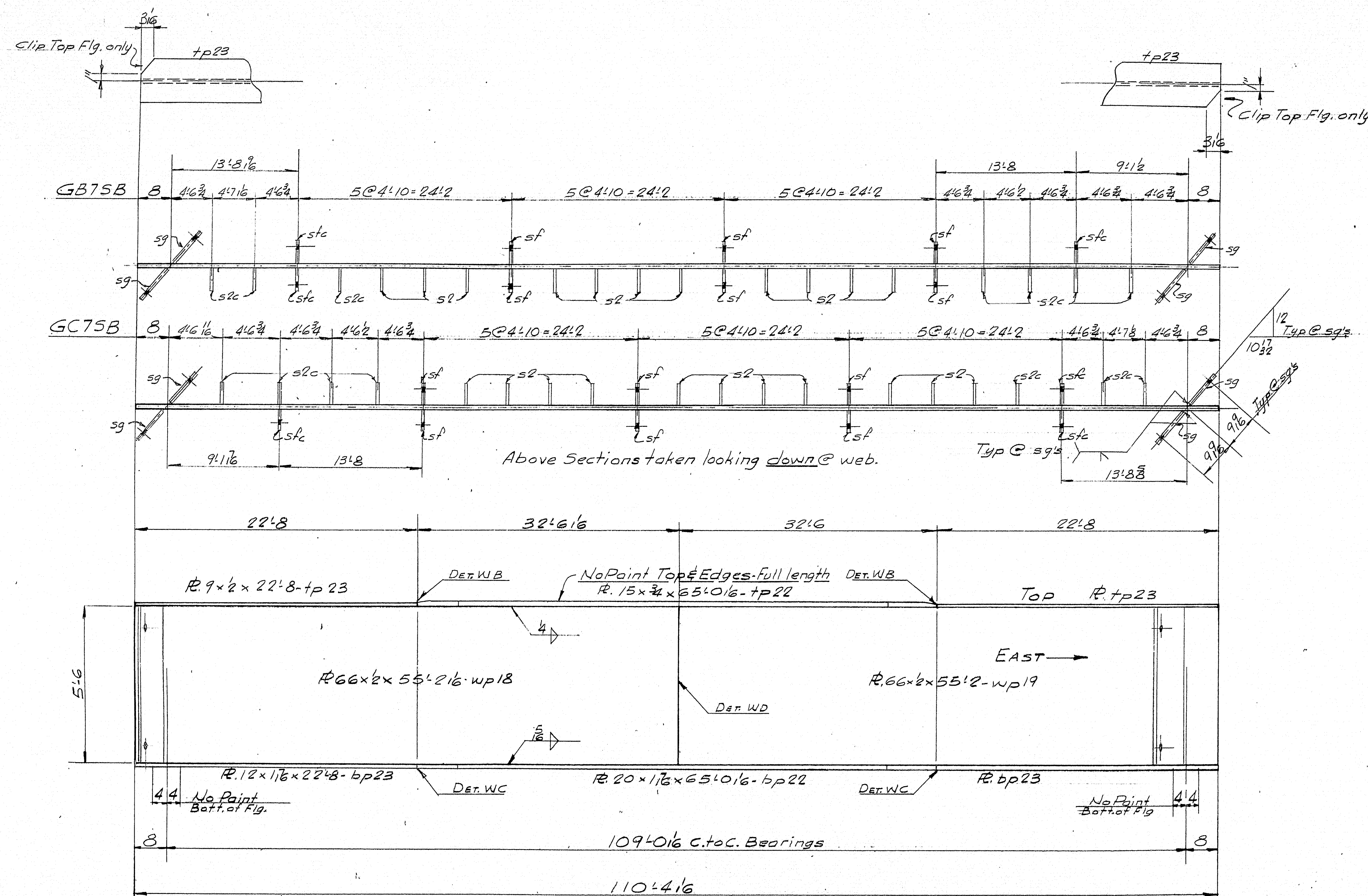
SHIP		BILL OF MATERIAL				DWG. NO. 63-5-514
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
GA7SB	1		GIRDER	110' 8 1/8"	-	
GD7SB	1		Do	110' 8 1/8"	-	
	2	wp 16	R. 66 x 2	55' 4 1/8"		
	2	wp 17	Do	55' 4"		
	2	tp 20	R. 12 x 1/2	63' 0 1/8"		
	4	tp 21	R. 9 x 1/2	23' 10"		
	2	bp 20	R. 16 x 1/2	63' 0 1/8"		
	4	bp 21	R. 16 x 1/2	23' 10"		
	4	51	Bor G x 3/4"	5' 6 3/8"		
	4	59	R. 11 x 1/2	5' 6 3/8"		
	20	52	Bor G x 3/4"	5' 6"		
	14	52c	Do	5' 6"		
	6	5f	Do	5' 6"		
	4	5fc	Do	5' 6"		

All Mat. A.S.T.M. Desig. A-441 unless noted
*ASTM Desig. 47 or A36
STRUCTURAL STEEL ITEM 702-103B

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES: 1/8" φ
PAINT: Per Maine Specs & as noted

SPANS 6-7 & 8 S.B. #6 & 7 N.B.
GIRDERS GA7SB & GD7SB
Bancroft & Martin Inc.
South Portland, Maine
CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE
CUSTOMER E.C. SNOODGRASS INC.
DESIGNER MAINE S.H.C. BRIDGE DIV.
ORDER NO. VERBAL DWG. NO. 63-5-514

DRAWN	1-28-63 J.P.P.
REVISION	
REVISION	
REVISION	



GIRDER GB75B - ONE REQ'D - As Noted.
GIRDER GC75B - ONE REQ'D - As Noted.

For Welding Details see Dwg. W1.
For Camber Diagram see Dwg. S4.
For Stiffener Details see Dwg. S5.
For Stud Layout see Dwg. S24.

SHIP		BILL OF MATERIAL				DWG. NO. 63-5-5/5
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
GB75B	1		GIRDER	110'-4 1/6	-	
GC75B	1		Do	110'-4 1/6	-	
	2	wp 18	R. 66 x 2	55'-2 1/2		
	2	wp 19	Do	55'-2		
	2	tp 22	R. 15 x 3/4	65'-0 1/6		
	4	tp 23	R. 9 x 1/2	22'-8		
	2	bp 22	R. 20 x 1/2	65'-0 1/6		
	4	bp 23	R. 12 x 1/2	22'-8		
	8	sg	R. 11 x 1/6	5'-6 3/4		
	22	sg	R. 6 x 3/8	5'-6		
	14	sg	Do	5'-6		
	12	sg	Do	5'-6		
	6	sg	Do	5'-6		

ALL Mat. A.S.T.M. Desig. A-441 unless noted

* A.S.T.M. Desig. 47 or A36

STRUCTURAL STEEL ITEM 702-103B

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES: 1/8" Ø
PAINT: Per Maine Specs & as noted

SPANS 6-7 & 8 S.B. #6 & 7 N.B.

GIRDERS GB75B & GC75B

Rancroft & Martin Inc.
South Portland, Maine

CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE

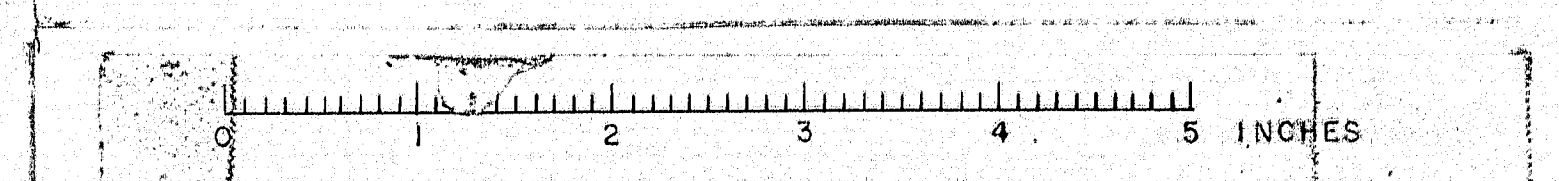
CUSTOMER E.C. SNODGRASS INC.

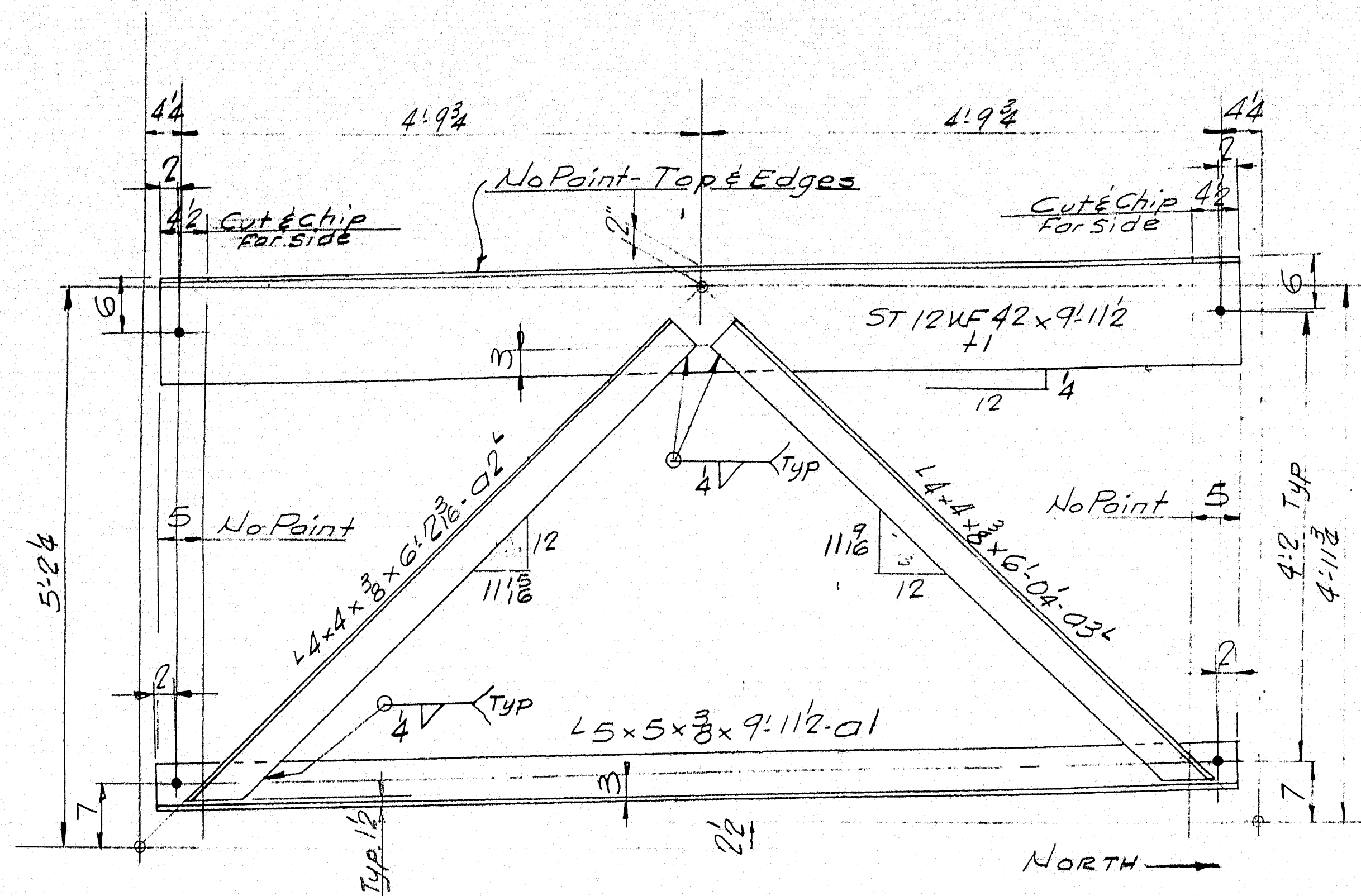
DESIGNER MAINE S.H.C. BRIDGE DIV.

ORDER NO. VERBAL DWG. NO. 63-5-5/5

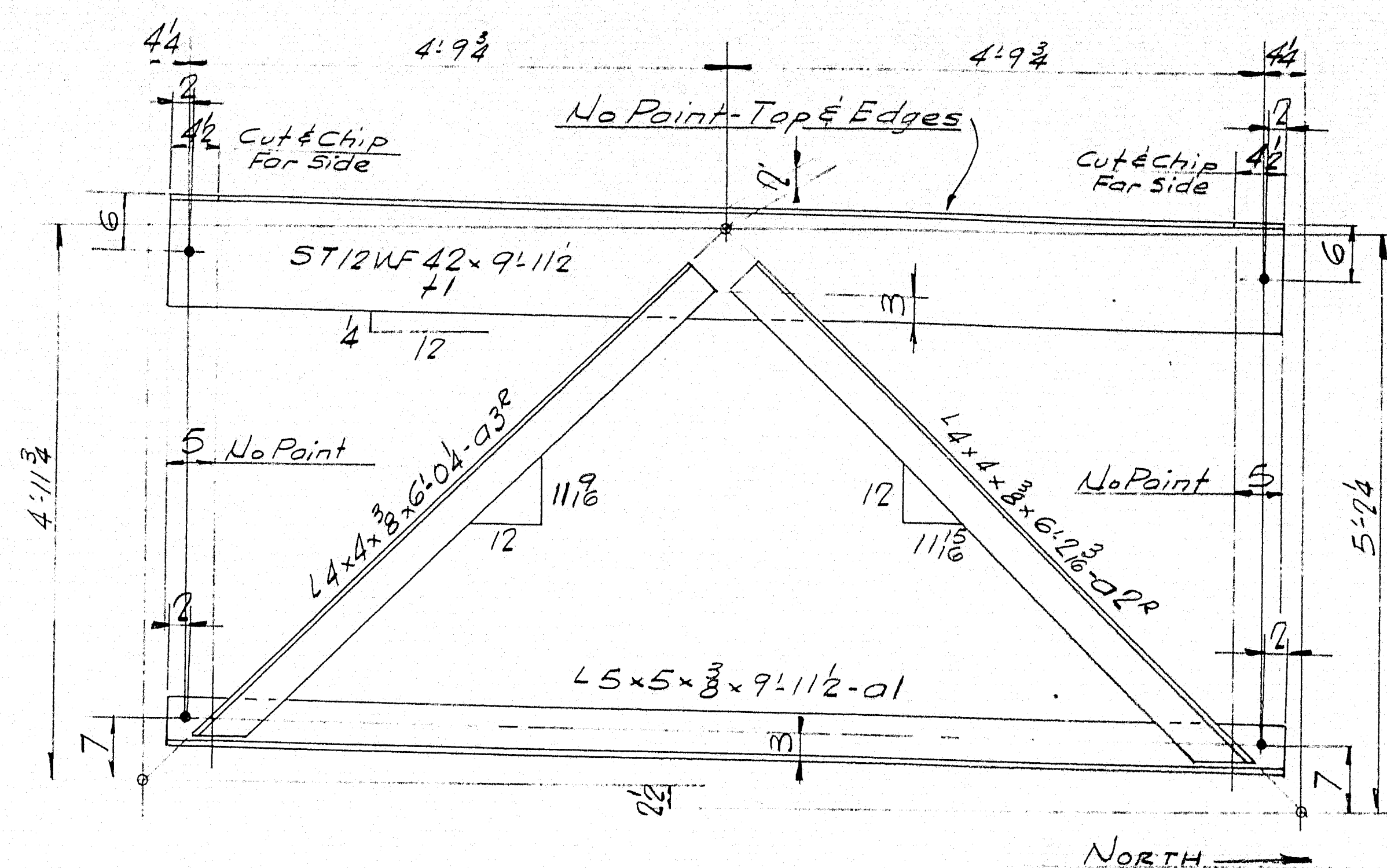
DRAWN	1-28-63 J.P.F.
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REVISION	
REVISION	

89-125

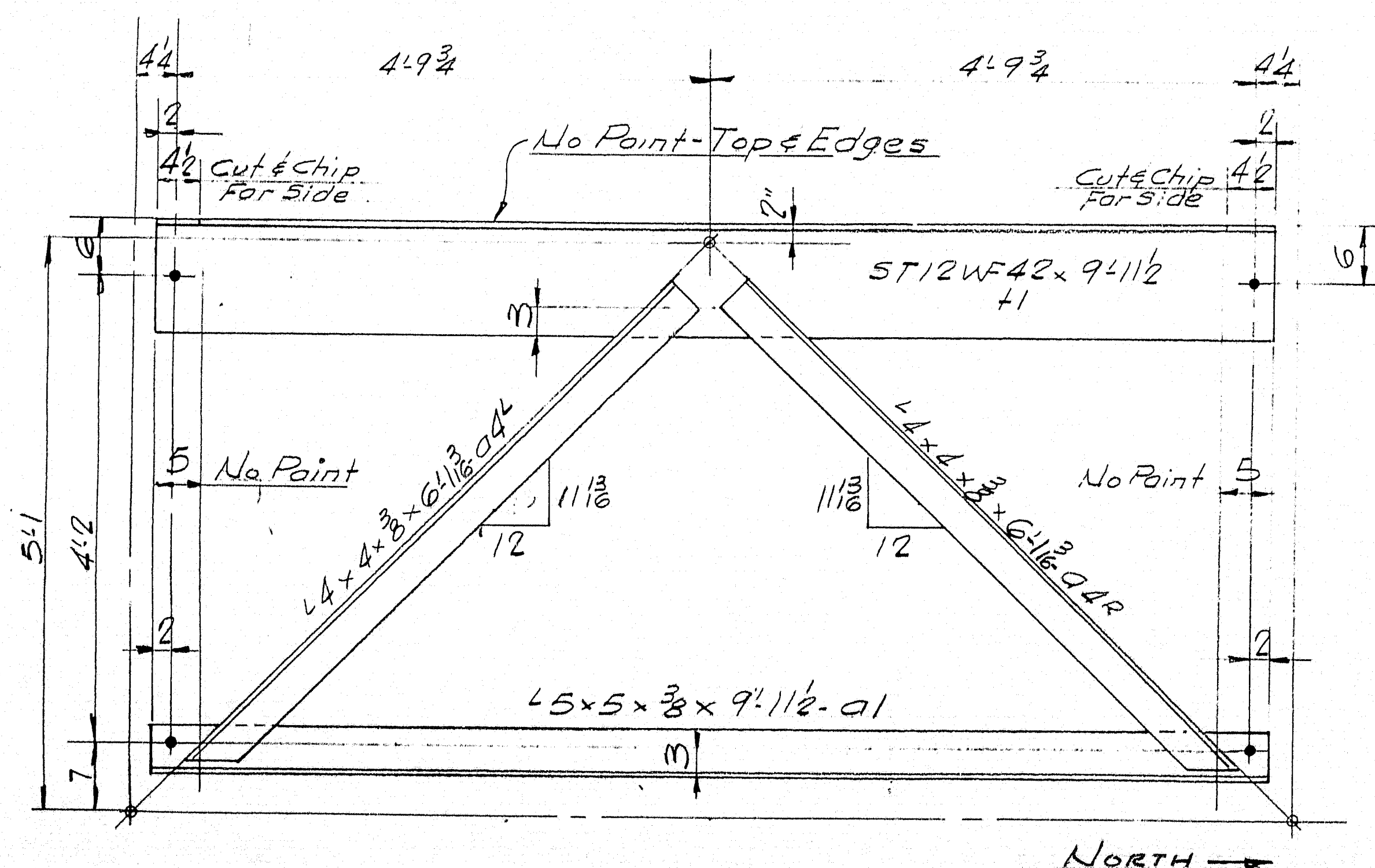




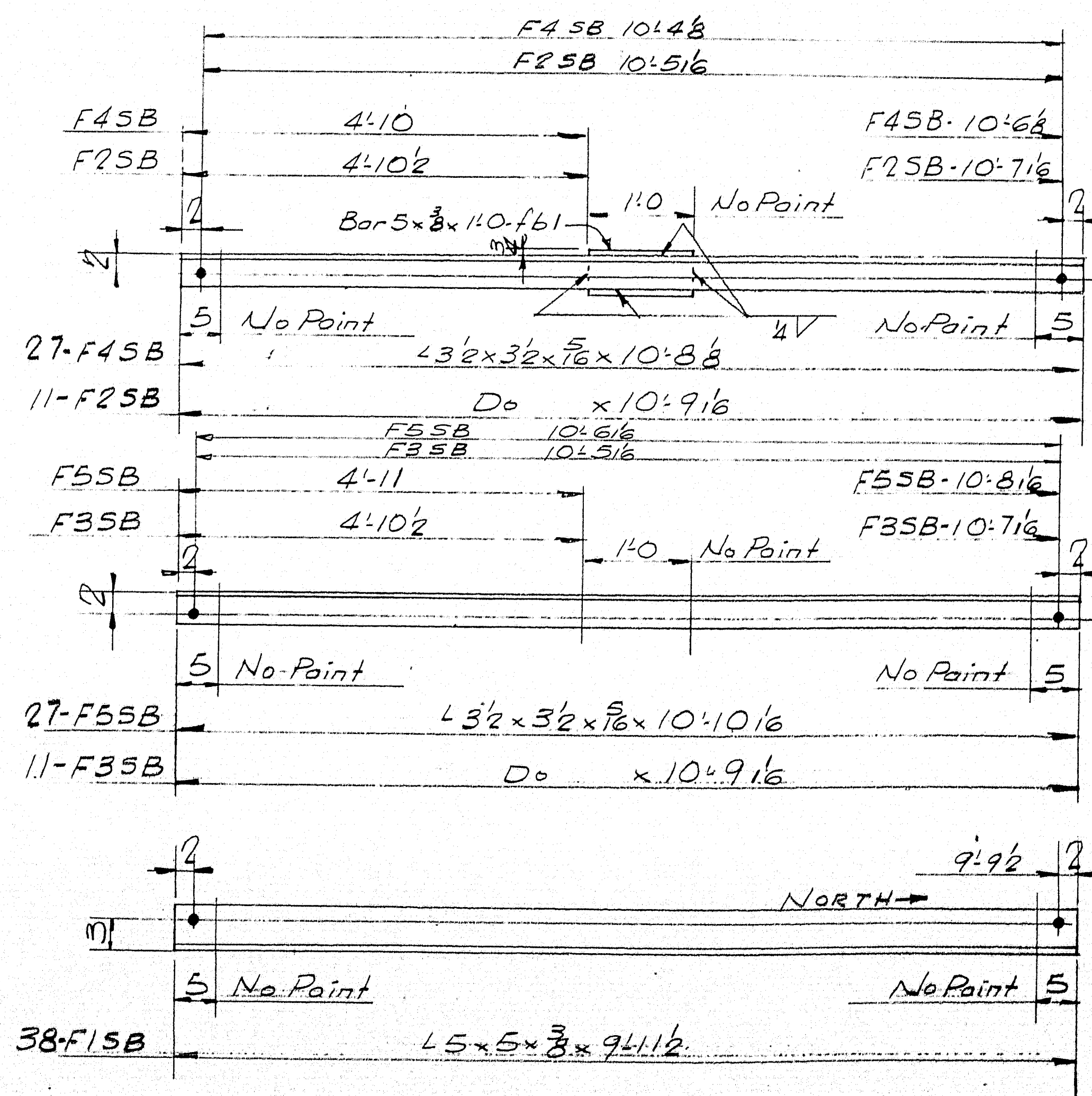
E3SB - ONE REQ'D.



E2SB - ONE REQ'D.



E1SB - ONE REQ'D.



SHIP		BILL OF MATERIAL				DWG. NO. 63-5-S18
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
E1SB	1		CROSSFRAME	9' 11 1/2"	-	
E2SB	1		Do	9' 11 1/2"	-	
E3SB	1		Do	9' 11 1/2"	-	
	3	+1	ST 12 WF 42	9' 11 1/2"		
	3	01	L5 x 5 x 3/8	9' 11 1/2"		
	1	02 ^R	L4 x 4 x 3/8	6' 2 1/2"		
	1	02 ^L		6' 2 1/2"		
	1	03 ^R		6' 0 1/4"		
	1	03 ^L		6' 0 1/4"		
	1	04 ^R		6' 1 1/8"		
	1	04 ^L	L4 x 4 x 3/8	6' 1 1/8"		
F15B	38		L5 x 5 x 3/8	9' 11 1/2"		
F25B	11		L3 1/2 x 3 1/2 x 5/16	10' 9 1/6"		
F35B	11			10' 9 1/6"		
F45B	27			10' 8 1/6"		
F55B	27		L3 1/2 x 3 1/2 x 5/16	10' 10 1/6"		
	38	+61	Bar 5 x 3/8	1' 0"		
FIELD	12		3" M BOLTS	0' 2 1/4"		For Type E
Do	23D		Do	0' 1 1/4"		For Type F

A.S.T.M. Design A36 or A7

ITEM 702-103E

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES: 1/8" Ø
PAINT: Per Maine Specs & as noted

SPANS 6-7 & 8 - S.B.

CROSSFRAMES TYPES E & F

Bancroft & Martin Inc.
South Portland 7, Maine

CLINTON A. CLAUSON MEYER BRIDGE
FAIRFIELD, MAINE

CUSTOMER E.C. SNODGRASS INC.

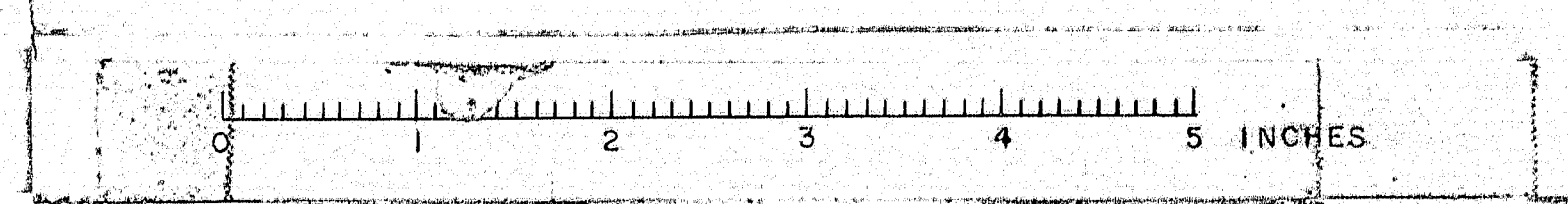
DESIGNER MAINE S.H.C. BRIDGE DIV.

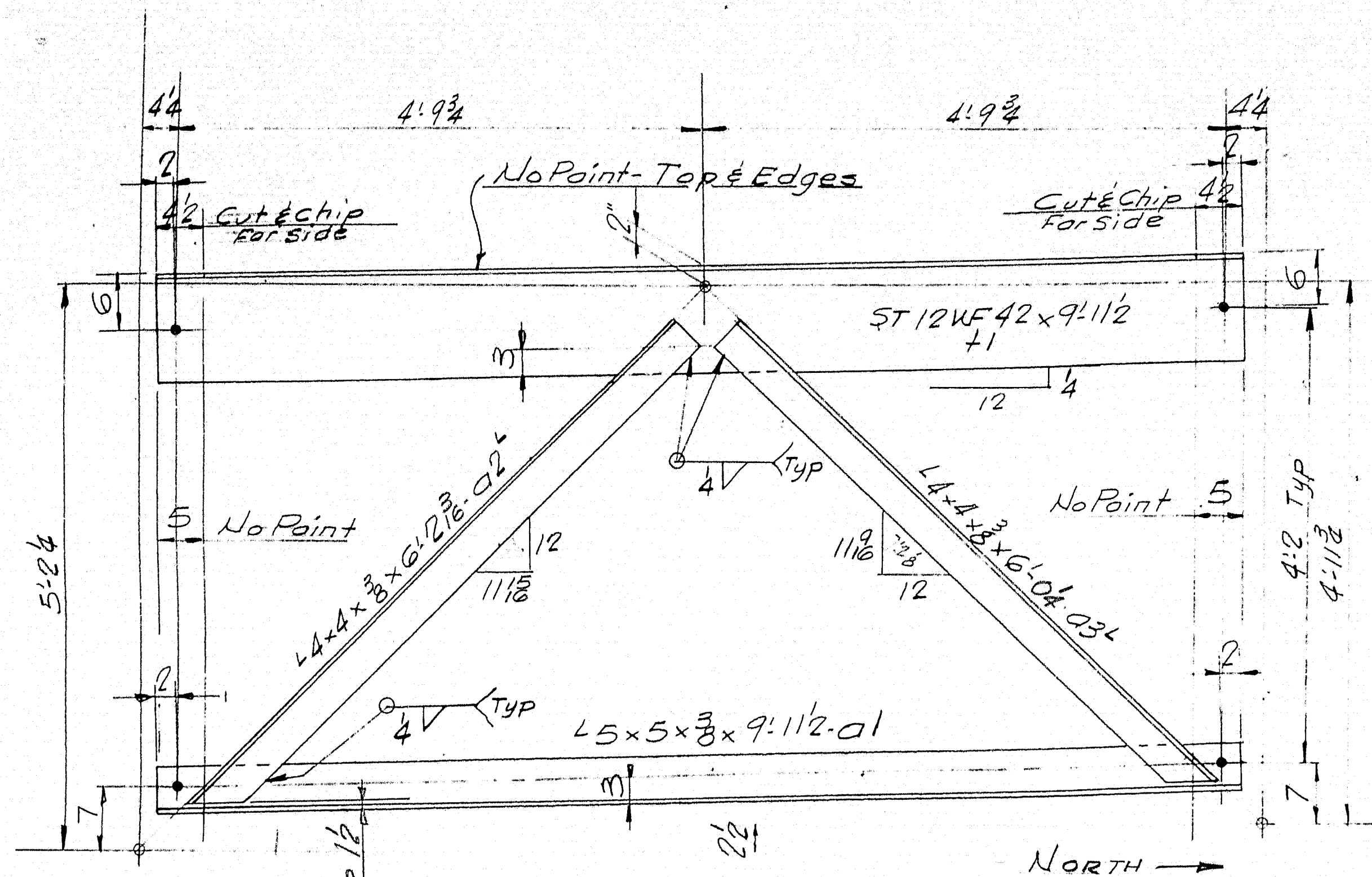
ORDER NO. VERBAL DWG. NO. 63-5-S18

DRAWN	25-63 J.P.P.
REVISION	
REVISION	
REVISION	

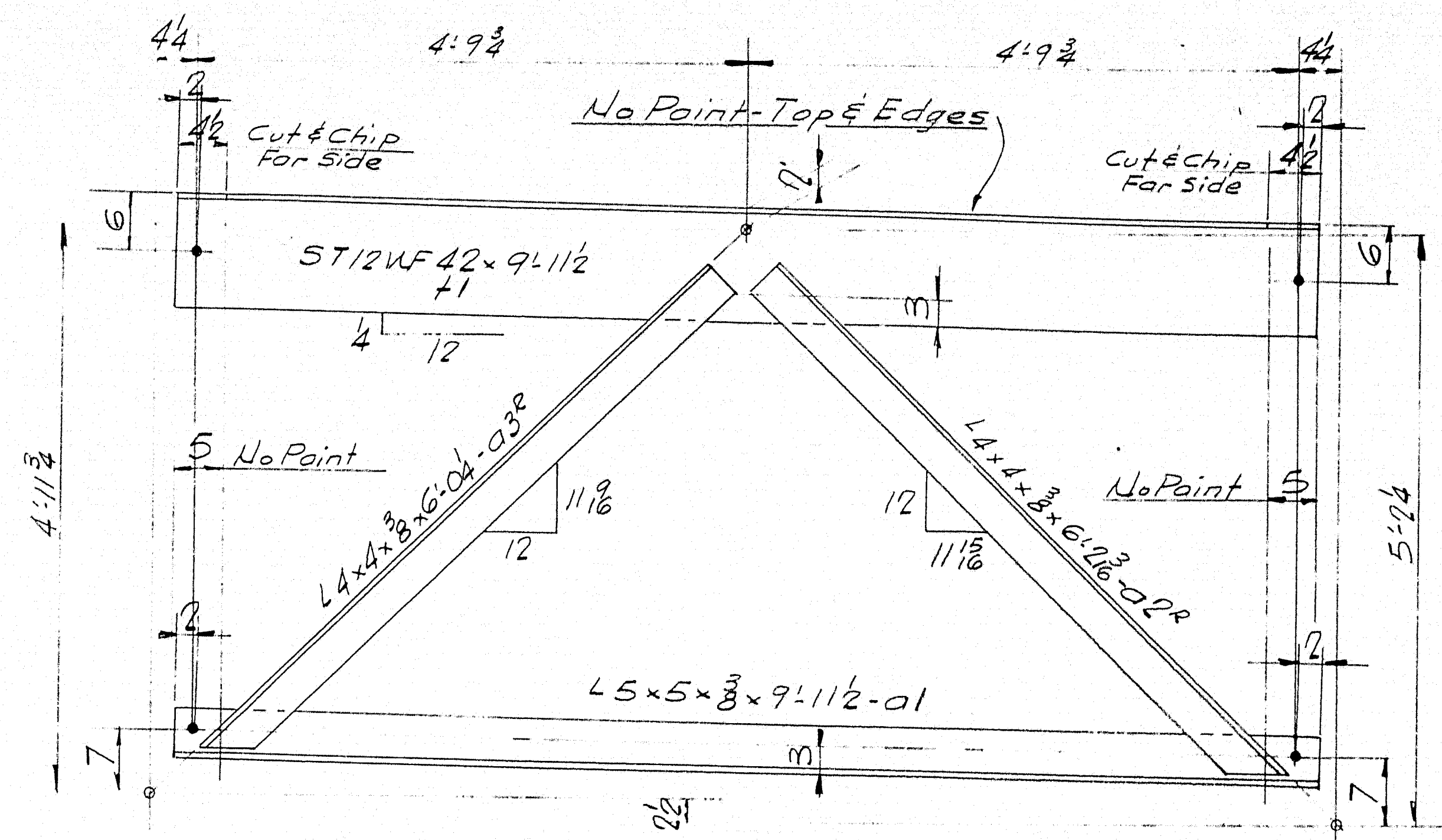
2

89-128

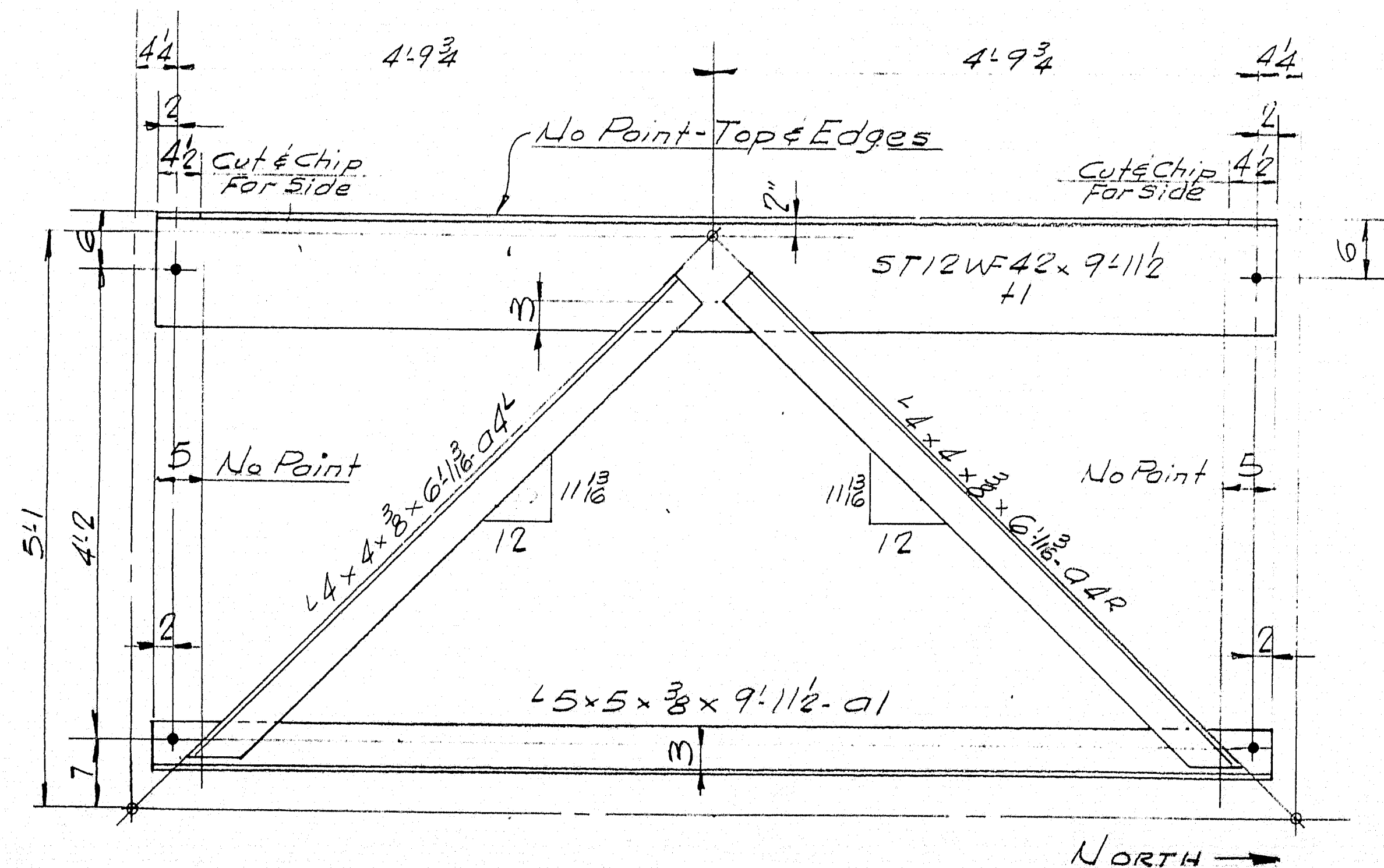




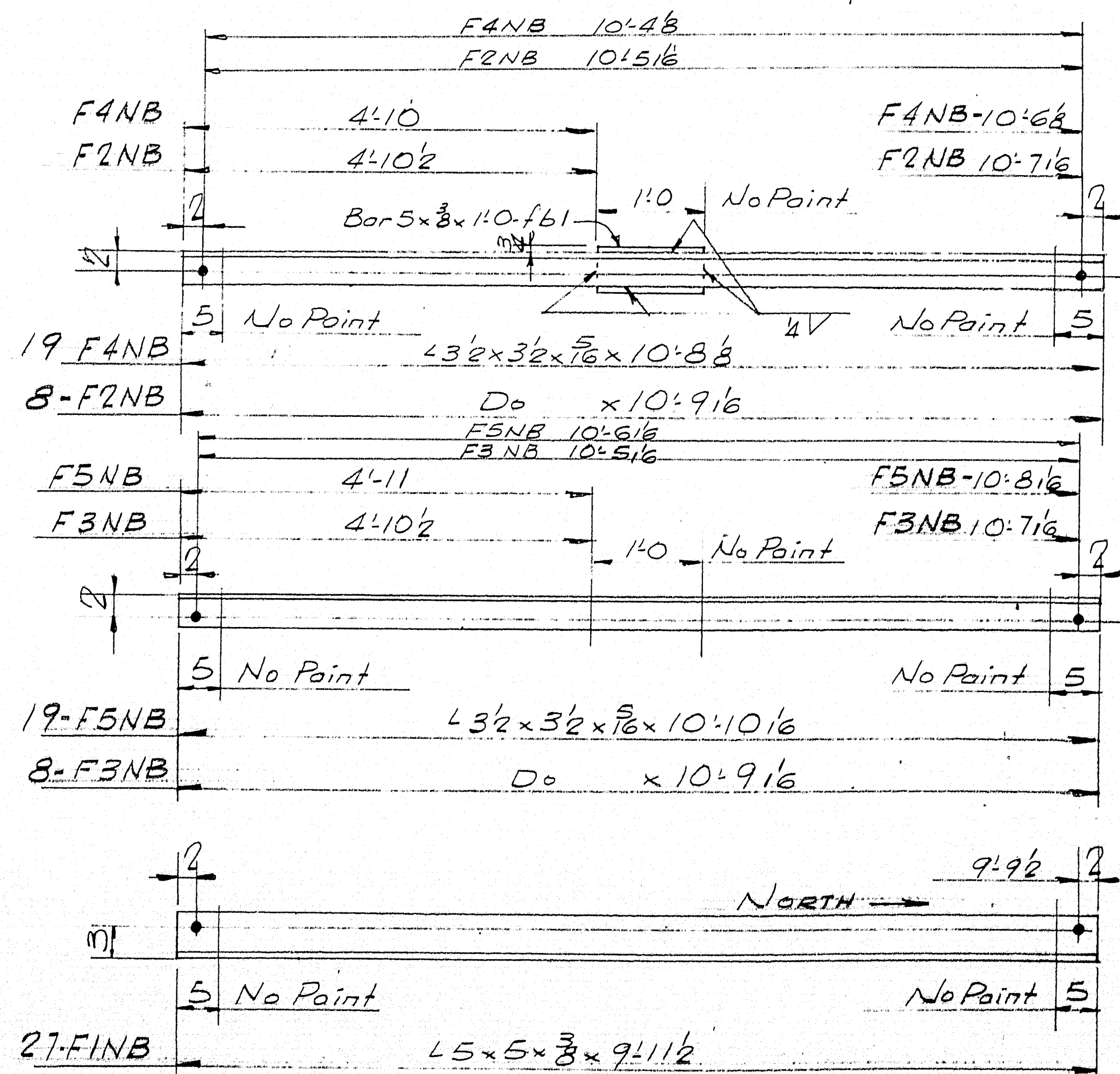
E3NB - ONE REQ'D.



E2NB - ONE REQ'D.



E1NB - ONE REQ'D.



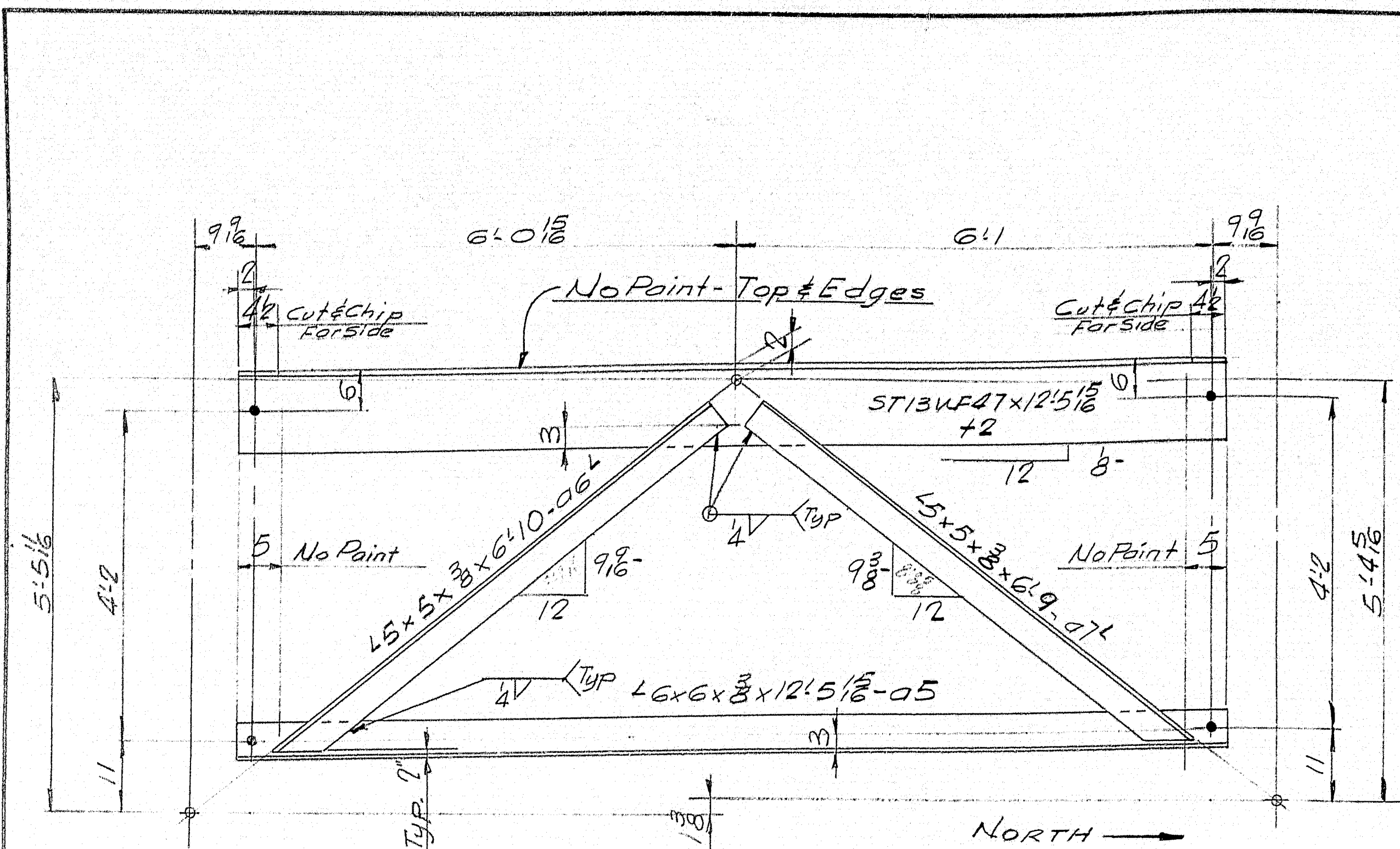
SHIP		BILL OF MATERIAL				DWG. NO. 63-5-519
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
E1NB	1		CROSS FRAME	9' 11 1/2"	-	
E2NB	1		Do	9' 11 1/2"	-	
E3NB	1		Do	9' 11 1/2"	-	
	3	F1	5T12WF42	9' 11 1/2"		
	3	F1	L5x5x3/8	9' 11 1/2"		
	1	F2R	L4x4x3/8	6' 2 1/2"		
	1	F2L		6' 2 1/2"		
	1	F3R		6' 0 1/4"		
	1	F3L		6' 0 1/4"		
	1	F4R		6' 1 1/2"		
	1	F4L	L4x4x3/8	6' 1 1/2"		
FINB	27		L5x5x3/8	9' 11 1/2"		
F2NB	8		L3x3x3/8	10' 9 1/6"		
F3NB	8			10' 9 1/6"		
F4NB	19			10' 8 1/2"		
F5NB	19		L3x3x3/8	10' 10 1/6"		
	27	F61	Bar 5x3/8	1' 0"		
FIELD	12		3" M.BOLTS	0' 24"		For Type E
Do	165		Do	0' 1 3/4"		For Type F
ASTM. Design A36 or A7						
ITEM 702-103B						

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES: 1/8" Ø
PAINT: Per Maine Specs & as noted

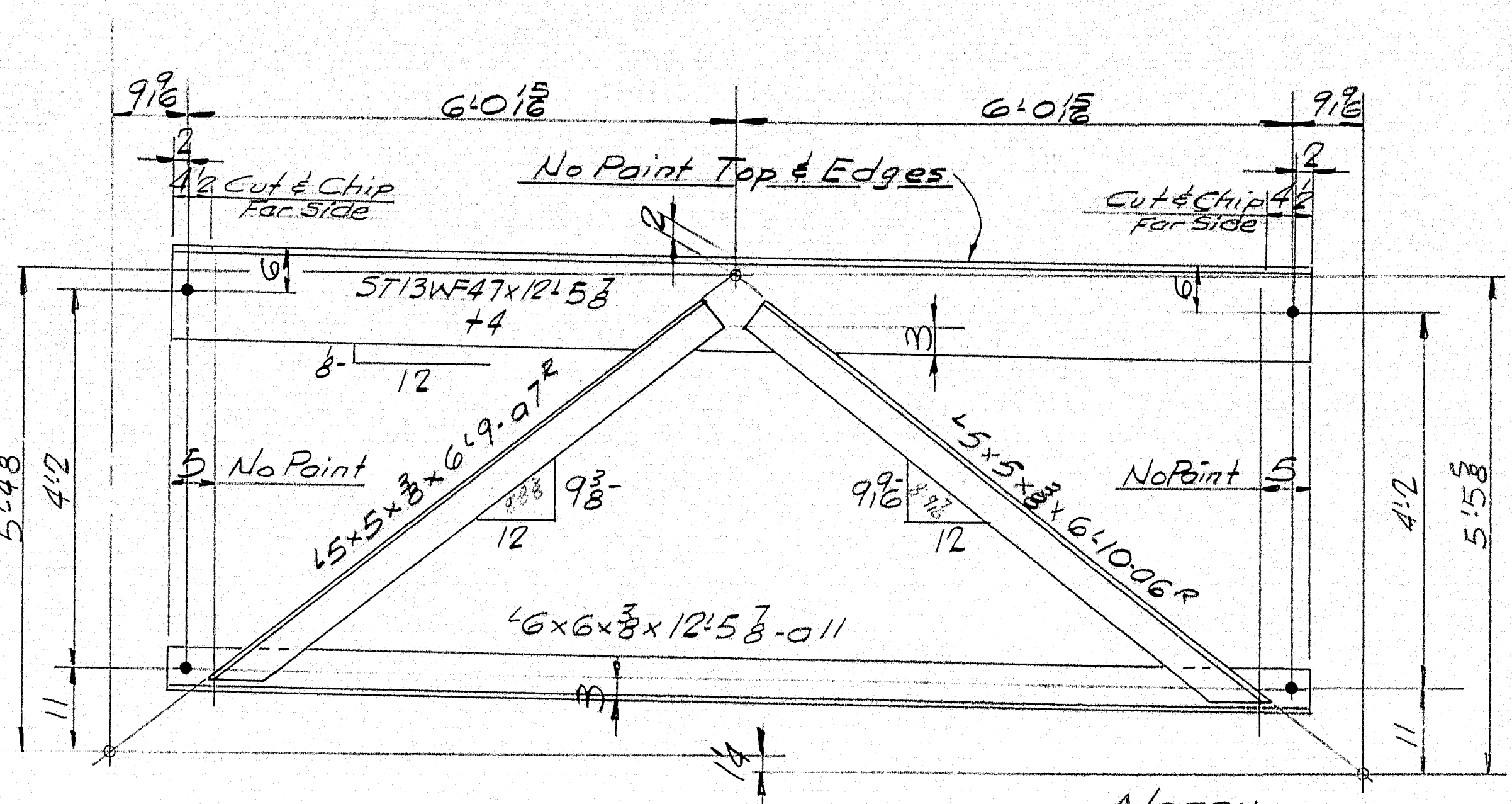
SPANS 6 & 7 - N.B.
CROSS FRAMES - TYPE E & F
Bancroft & Martin Inc.
South Portland 7, Maine
CLINTON A. CLAUSON MEM BRIDGE
FAIRFIELD, MAINE

CUSTOMER E.C. SNODGRASS INC.
DESIGNER MAINE S.H.C. BRIDGE DIV.
ORDER NO. VERBAL DWG. NO. 63-5-519

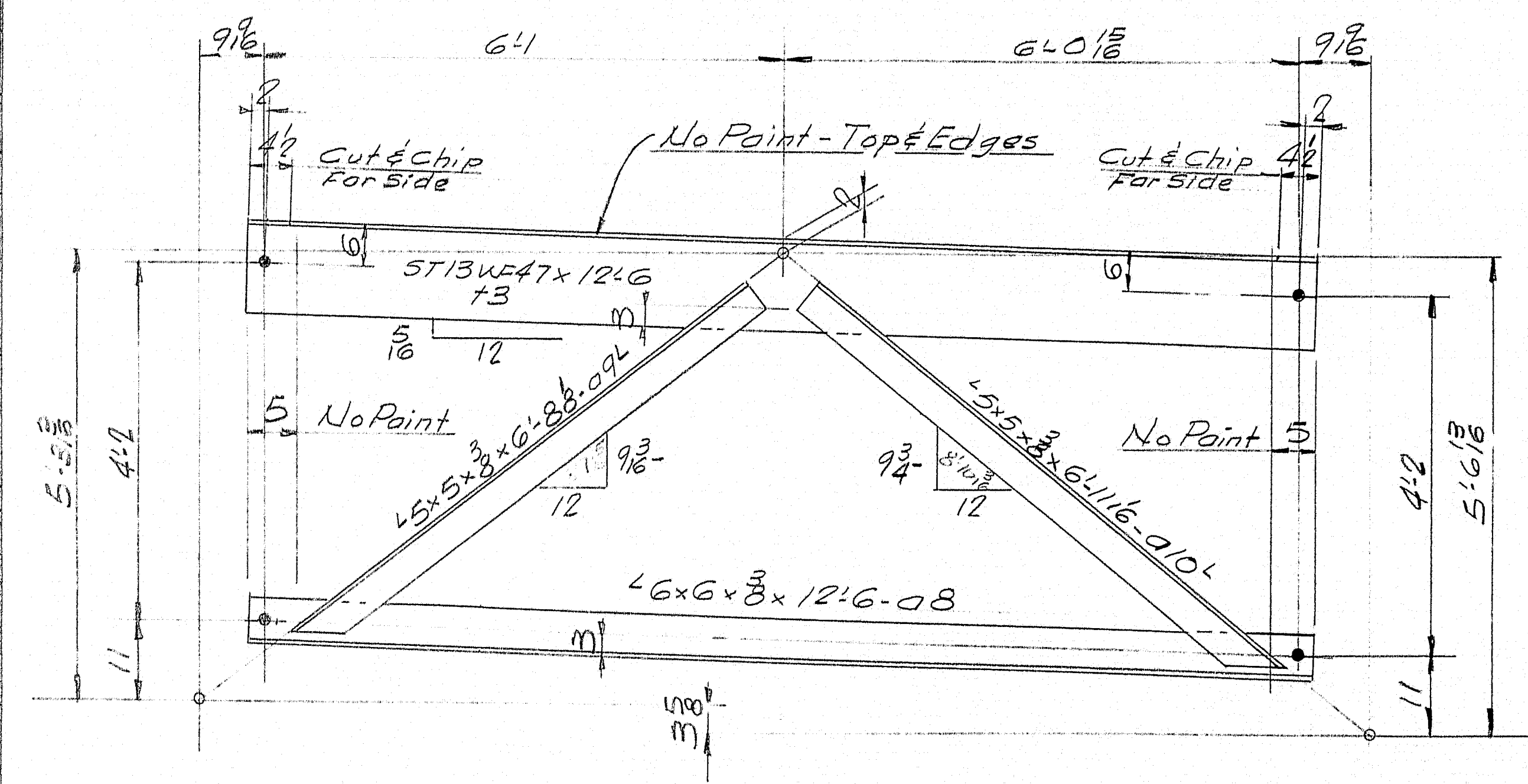
DRAWN	2-5-63 J.P.F.
REVISION	
REVISION	
REVISION	



G15B-2 REQ'D



G25B-2 REQ'D



G35B-2 REQ'D

SHIP		BILL OF MATERIAL				DWG. NO. 63-5-520
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
G15B	2		CROSS FRAMES	12 5 1/2	-	
G25B	2		Do	12 5 1/2	-	
G35B	2		Do	12 5 1/2	-	
	2	+2	ST13WF47	12 5 1/2		
	2	+3	Do	12 6		
	2	05	16x6x3/8	12 5 1/2		
	2	06R	16x6x3/8	6 10		
	2	06L	16x6x3/8	6 9		
	2	07R	16x6x3/8	6 9		
	2	08	16x6x3/8	12 6		
	2	09L	16x6x3/8	6 8 1/2		
	2	010L	Do	6 11 1/2		
	2	+4	ST13WF47	12 5 1/2		
	2	011	16x6x3/8	12 5 1/2		
FIELD	24		3/4" M. BOLTS	0 24		

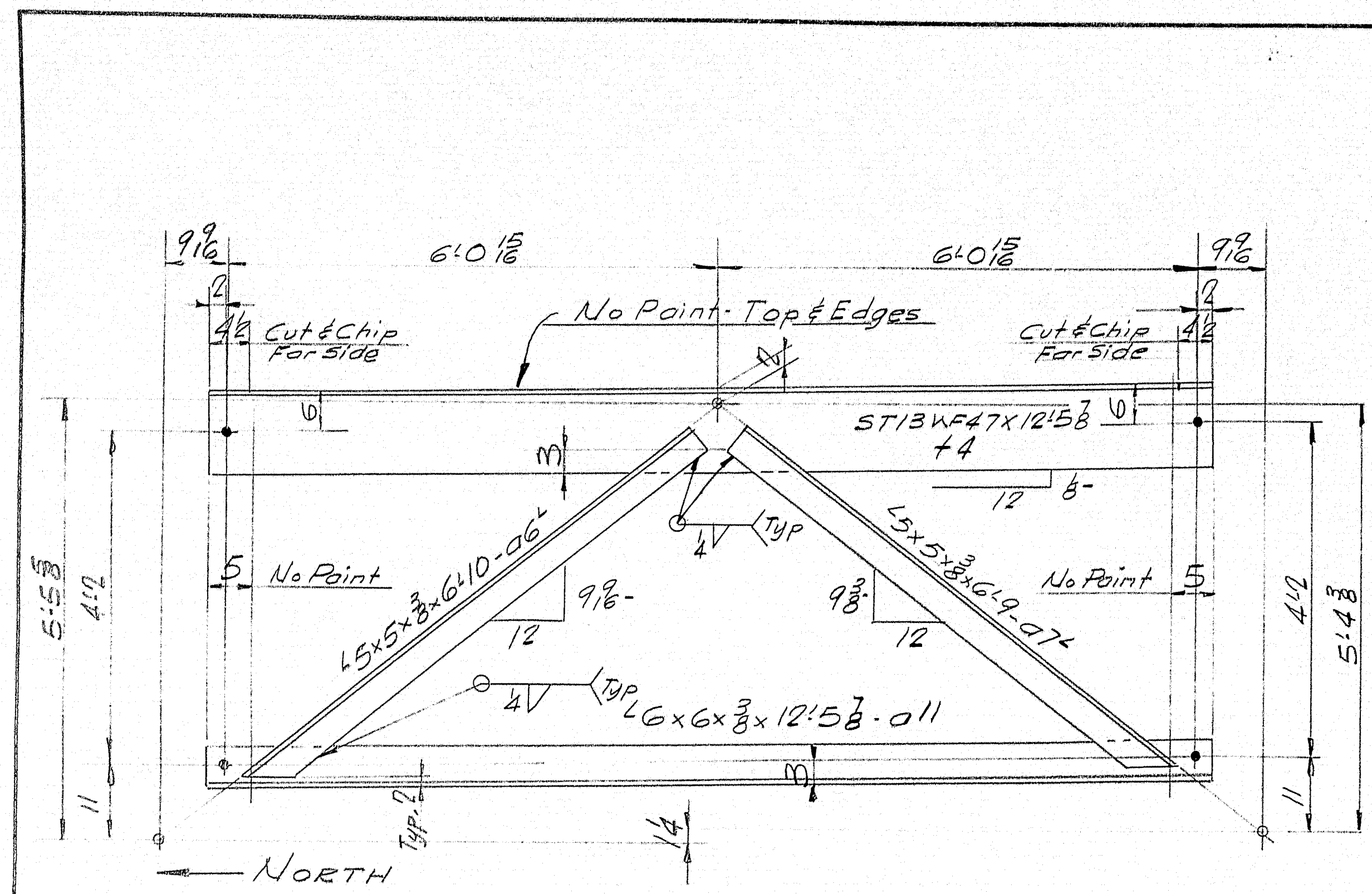
A.S.T.M. Desig. A36 or A7

ITEM 702-103B

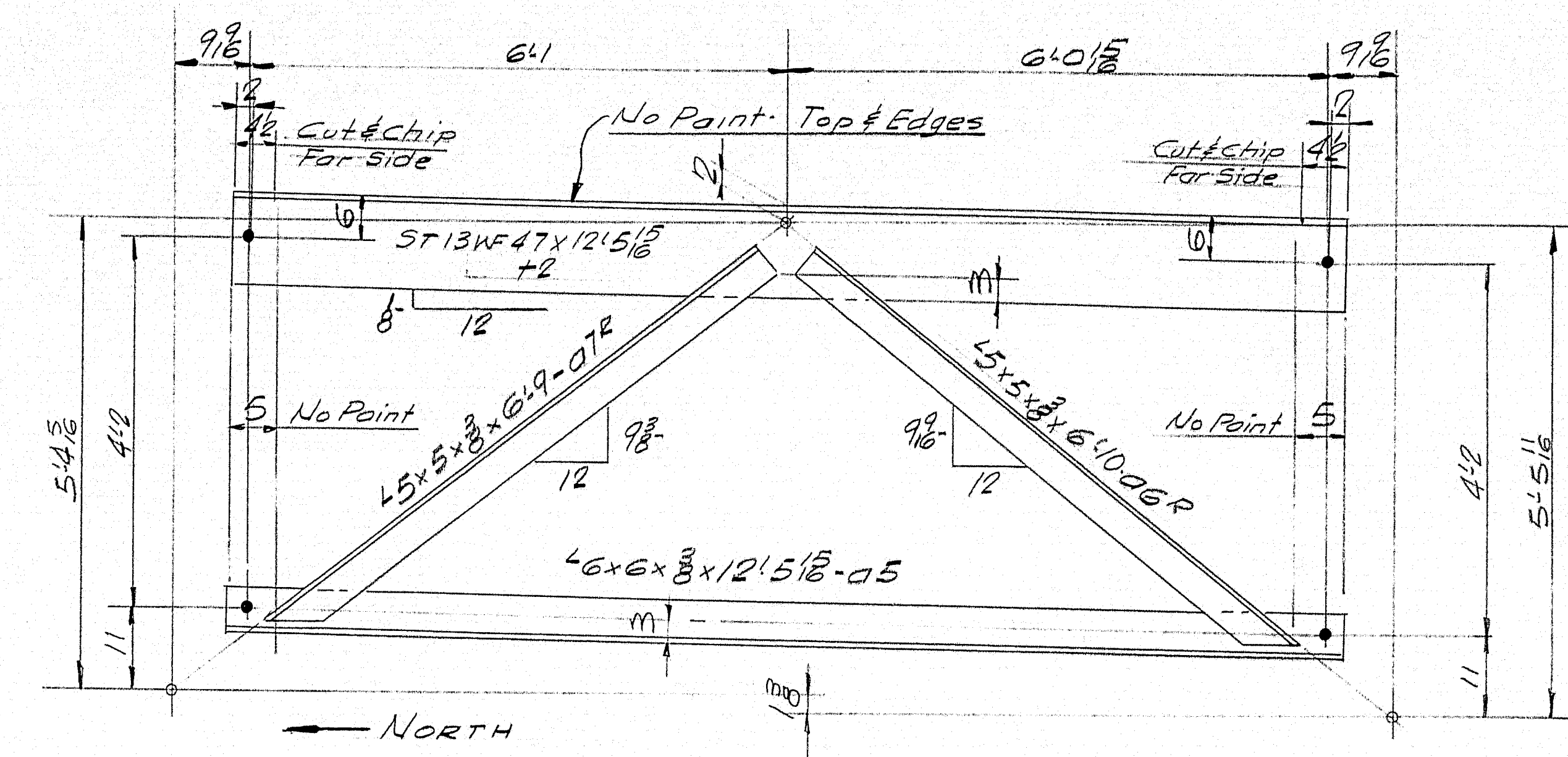
SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES: 1/8" Ø
PAINT: Per Maine Specs & as noted

SPANS 6-7 & 8 5B
CROSS FRAMES TYPE G
Parrish & Martin Inc.
South Portland, Maine
CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE

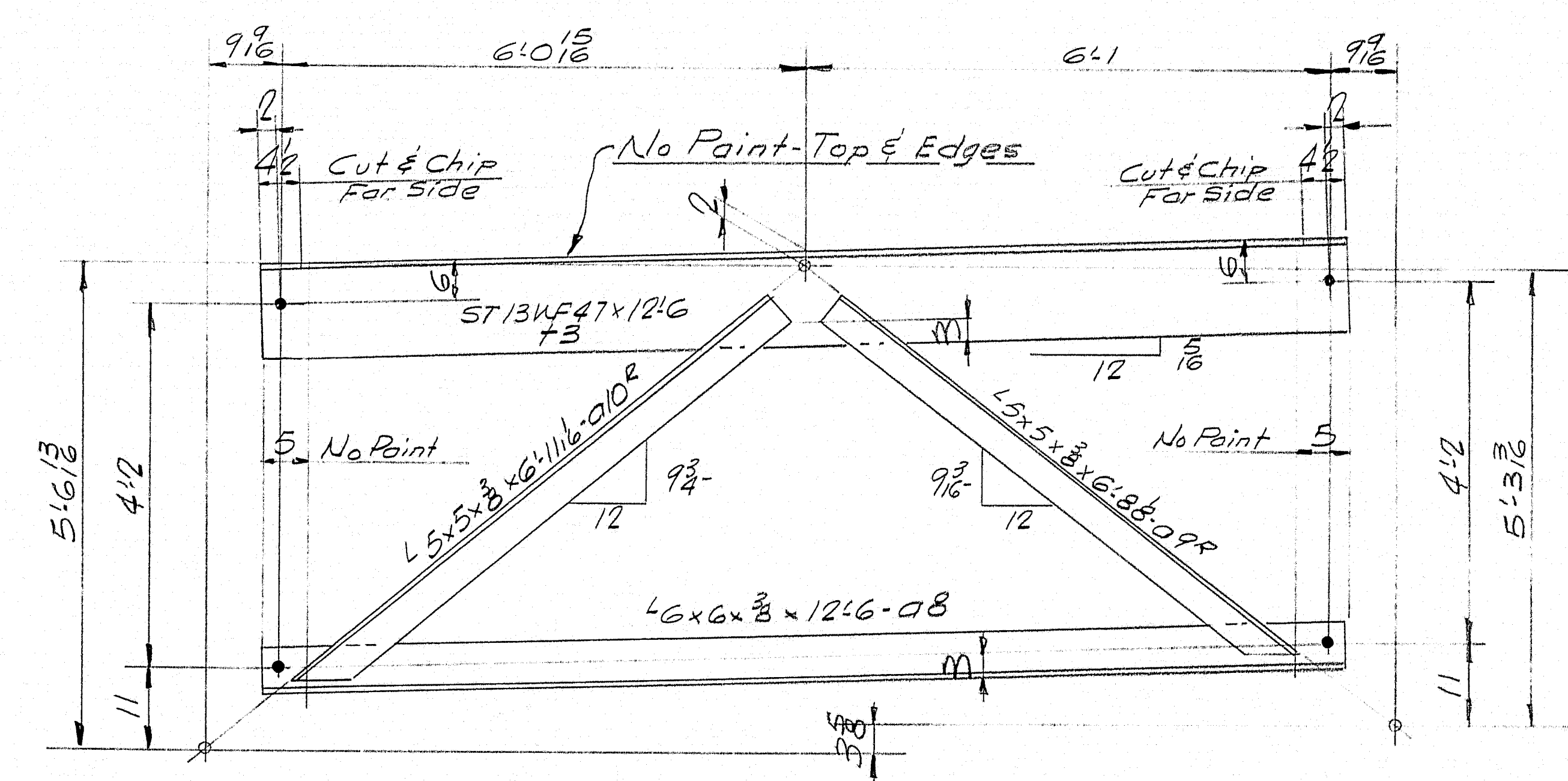
DRAWN	7-6-63 J.P.F.	CUSTOMER	F.C. SNODGRASS INC.
REVISION		DESIGNER	MAINE S.H.C. BRIDGE DIV.
REVISION		ORDER NO.	VERBAL
REVISION		DWG. NO.	63-5-520



G5SB-3 REQ'D



G4SB-3 REQ'D



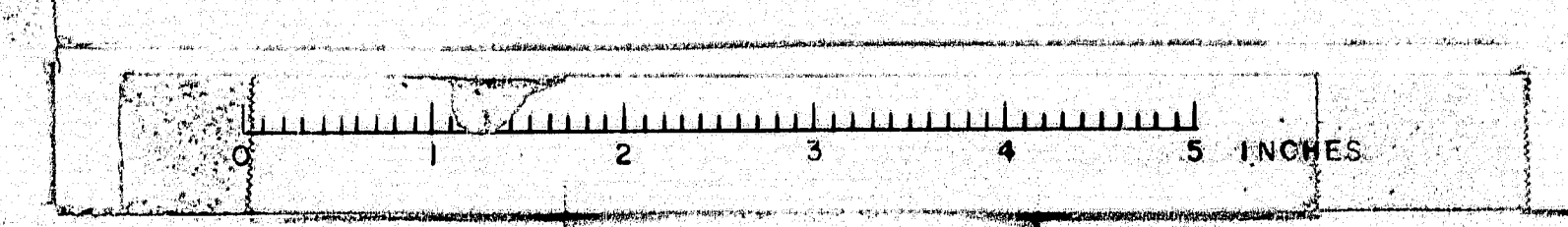
G6SB-3 REQ'D

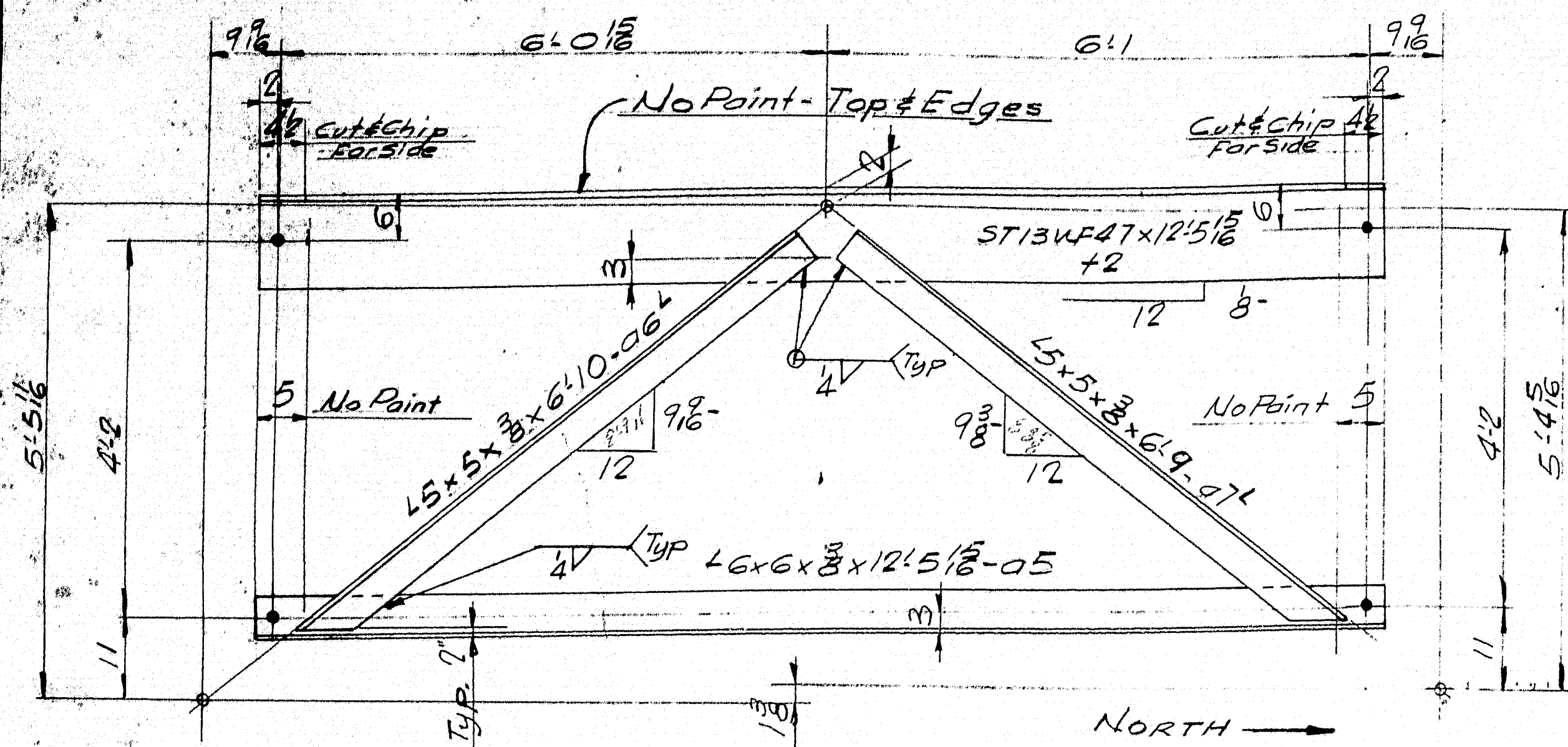
SHIP		BILL OF MATERIAL				DWG. NO. 63-5-521
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
G4SB	3		CROSS FRAME	12'5 1/2"	—	
G5SB	3		Do	12'5 1/2"	—	
G6SB	3		Do	12'5 1/2"	—	
	3	12	5T13WF47	12'5 1/2"		
	3	13	Do	12'6"		
	3	14	Do	12'5 1/2"		
	3	05	4x6x3/8	12'5 1/2"		
	3	06	4x5x3/8	6'10"		
	3	06	Do	6'10"		
	3	07	Do	6'9"		
	3	07	4x5x3/8	6'9"		
	3	08	4x6x3/8	12'6"		
	3	09	4x5x3/8	6'8 1/2"		
	3	10	Do	6'11 1/2"		
	3	11	4x6x3/8	12'5 1/2"		
FIELD	36		3" M.BOLTS	0'24"		
A.S.T.M. Desig. A36 or A7						
ITEM 702-103B						

SHOP CONNECTIONS: Welded
 FIELD CONNECTIONS: Welded
 HOLES: 1/2" φ
 PAINT: Per Maine Specs & as noted

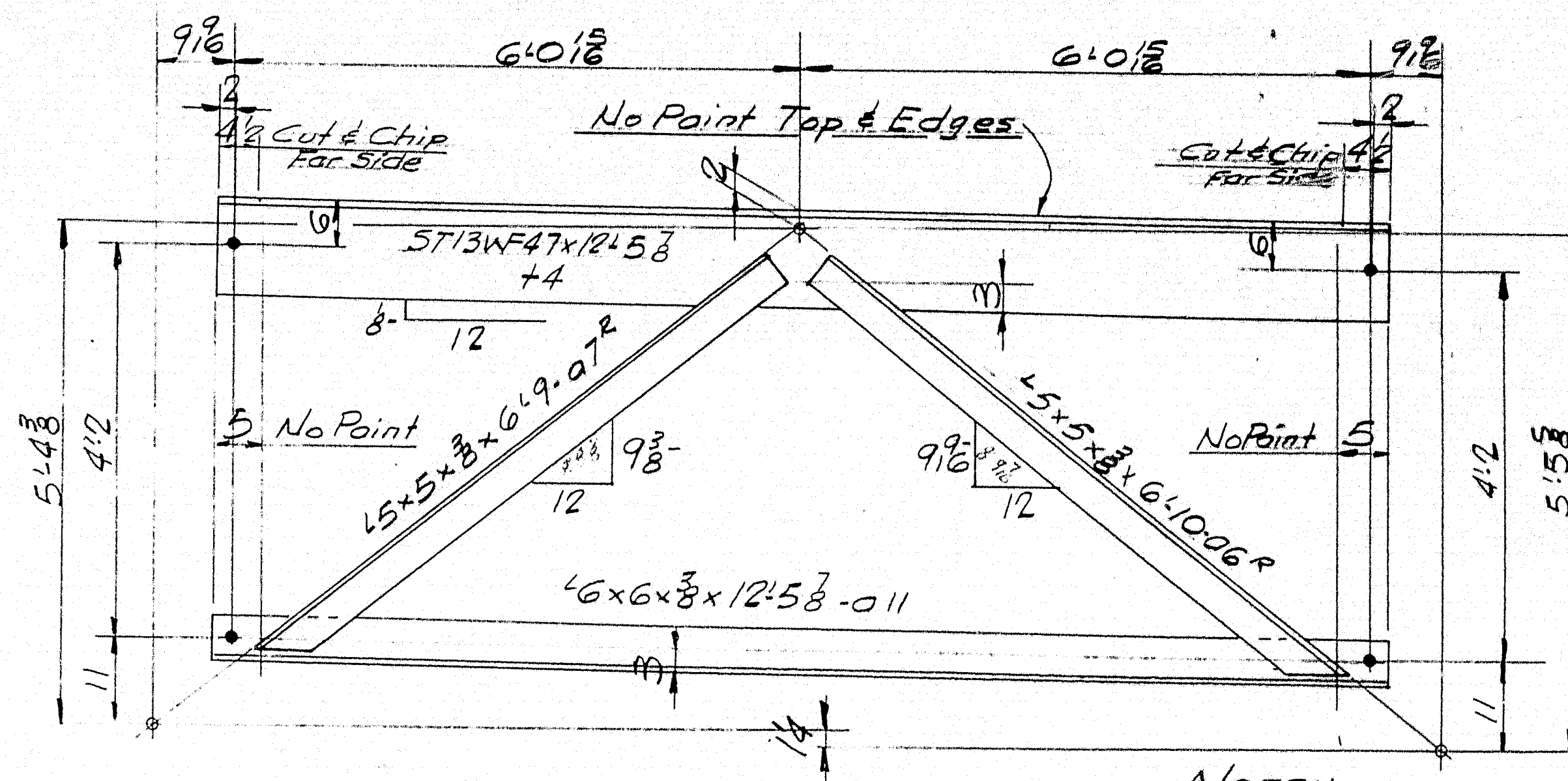
SPANS 6-7 & 8 SB
 CROSS FRAMES-TYPE G
 Bancroft & Martin Inc.
 South Portland, Maine
 CLINTON A. CLAUSON MEM. BRIDGE
 FAIRFIELD, MAINE

DRAWN	2-7-63	J.R.P.	CUSTOMER	E.C. SNODGRASS INC.
REVISION			DESIGNER	MAINE S.H.C. BRIDGE DIV.
REVISION			ORDER NO.	VERBAL
REVISION			DWG. NO.	63-5-521

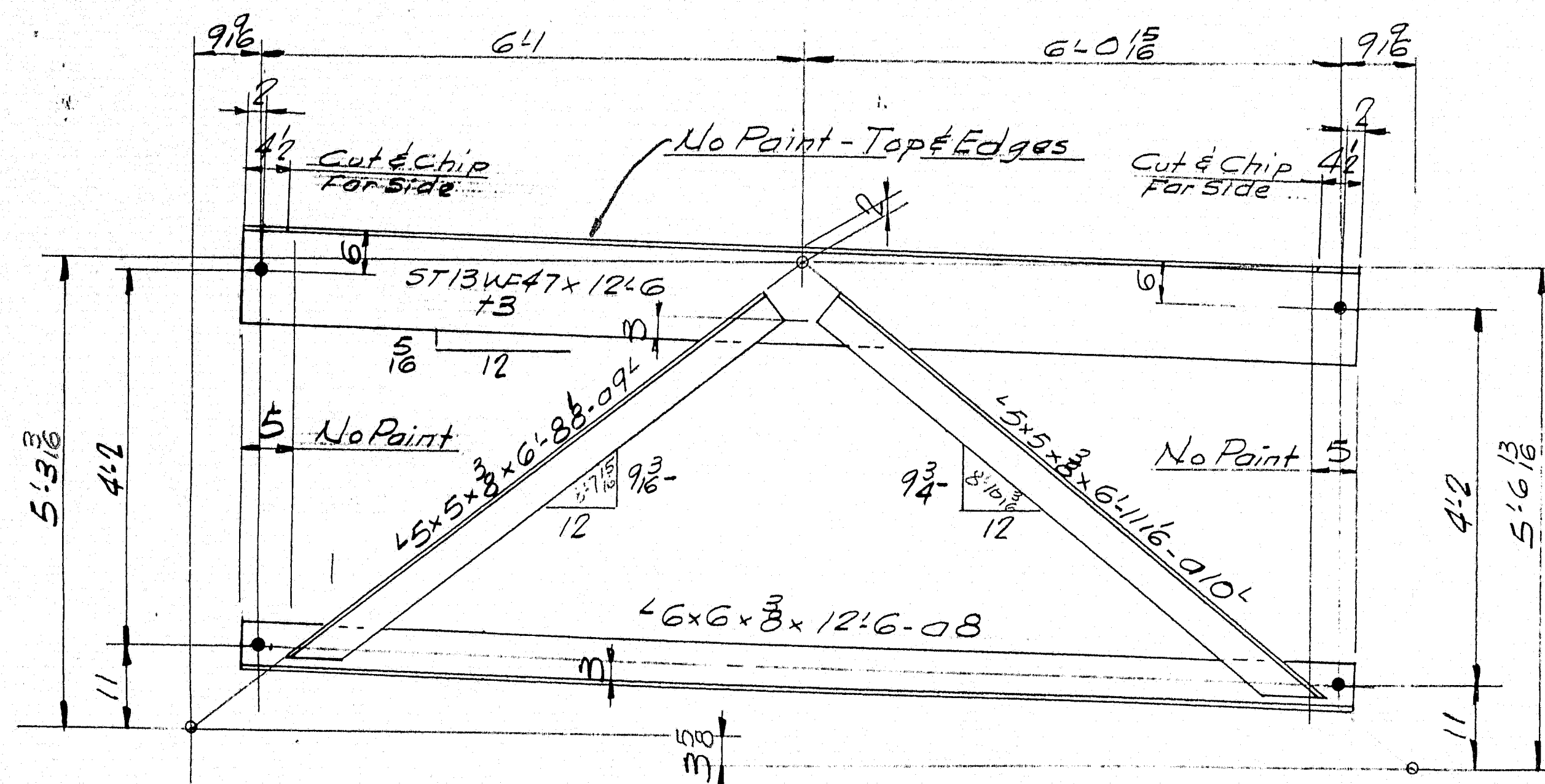




G1NB - ONE REQ'D.



G2NB - ONE REQ'D.



G3NB - ONE REQ'D.

SHIP		BILL OF MATERIAL			DWG. NO. 63-5-522	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
G1NB	1		CROSS FRAMES 1/2	5 1/2	—	
G2NB	1		Do	12 5 1/2	—	
G3NB	1		Do	12 5 1/2	—	
	1	12	5T13WF47	12 5 1/2		
	1	13	Do	12 6		
	1	15	6x6x3/8	12 5 1/2		
	1	16	15x5x3/8	6 10		
	1	17	Do	6 10		
	1	18	Do	6 9		
	1	19	15x5x3/8	6 9		
	1	20	6x6x3/8	12 6		
	1	21	15x5x3/8	6 8 1/2		
	1	22	Do	6 11 1/2		
	1	23	5T13WF47	12 5 1/2		
	1	24	6x6x3/8	12 5 1/2		
FIELD	12		3/4" M BOLTS	0 24		

A.S.T.M. Design A36 or A7

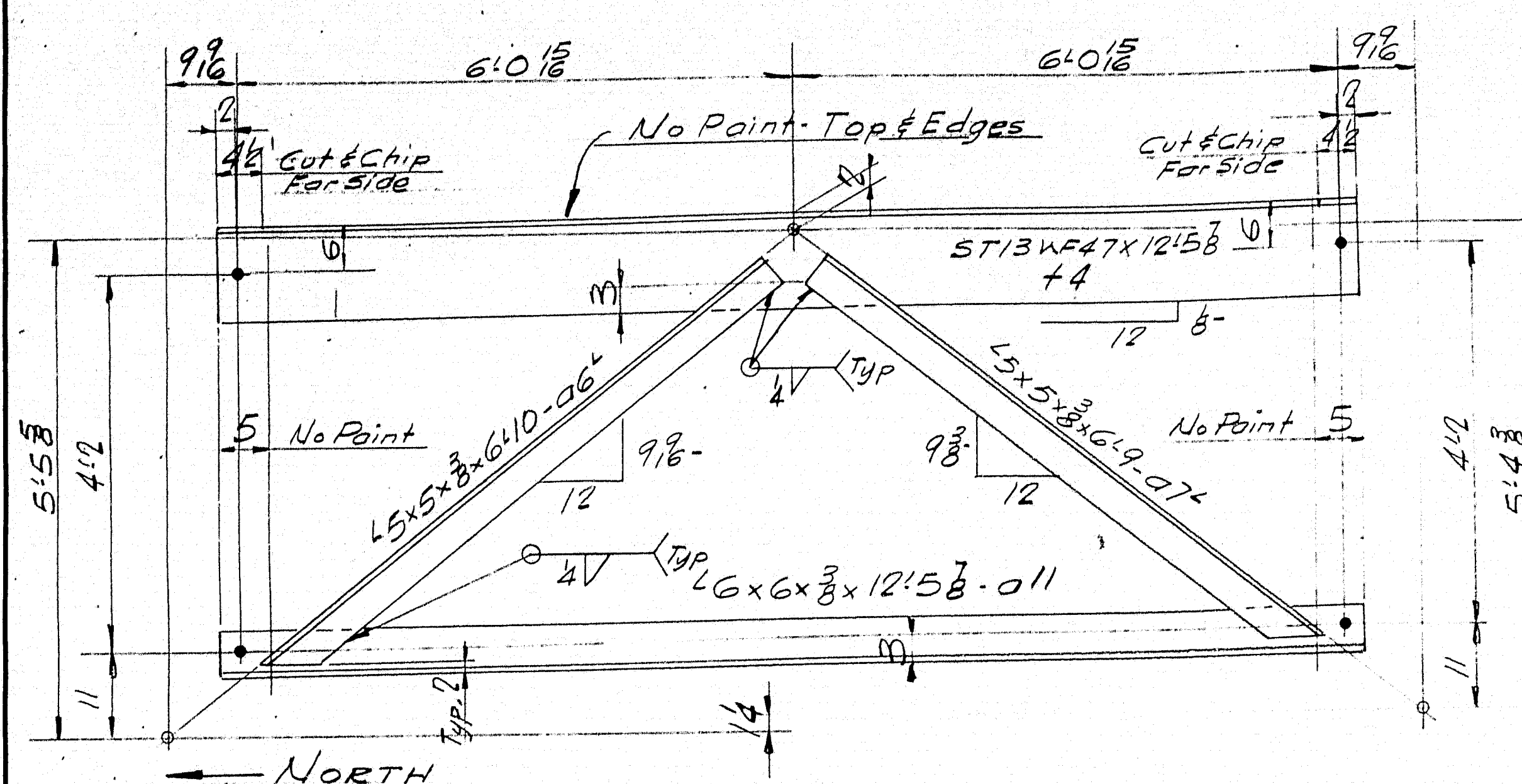
ITEM 702-103B

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES: 1/8" Ø
PAINT: Per Maine Specs. & as noted

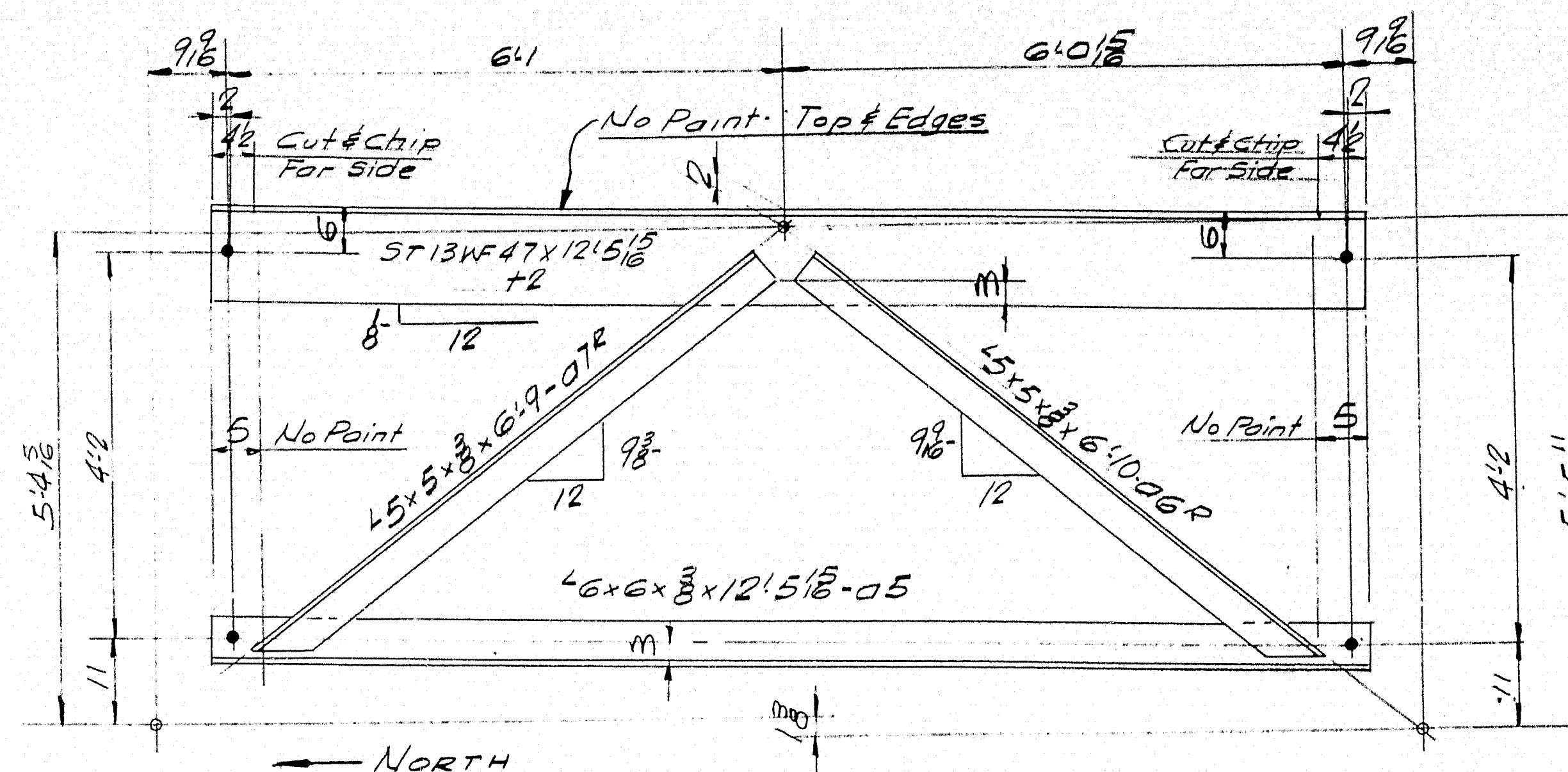
SPANS G1NB.
CROSS FRAMES TYPE G.
Bancroft & Martin Inc.
South Portland, Maine
CLINTON A. CLAUSON MENT. BRIDGE
FAIRFIELD, MAINE

CUSTOMER: F.C. SNODGRASS INC.
DESIGNER: MAINE S.H.C. BRIDGE DIV.
ORDER NO. VERBAL
DWG. NO. 63-5-522

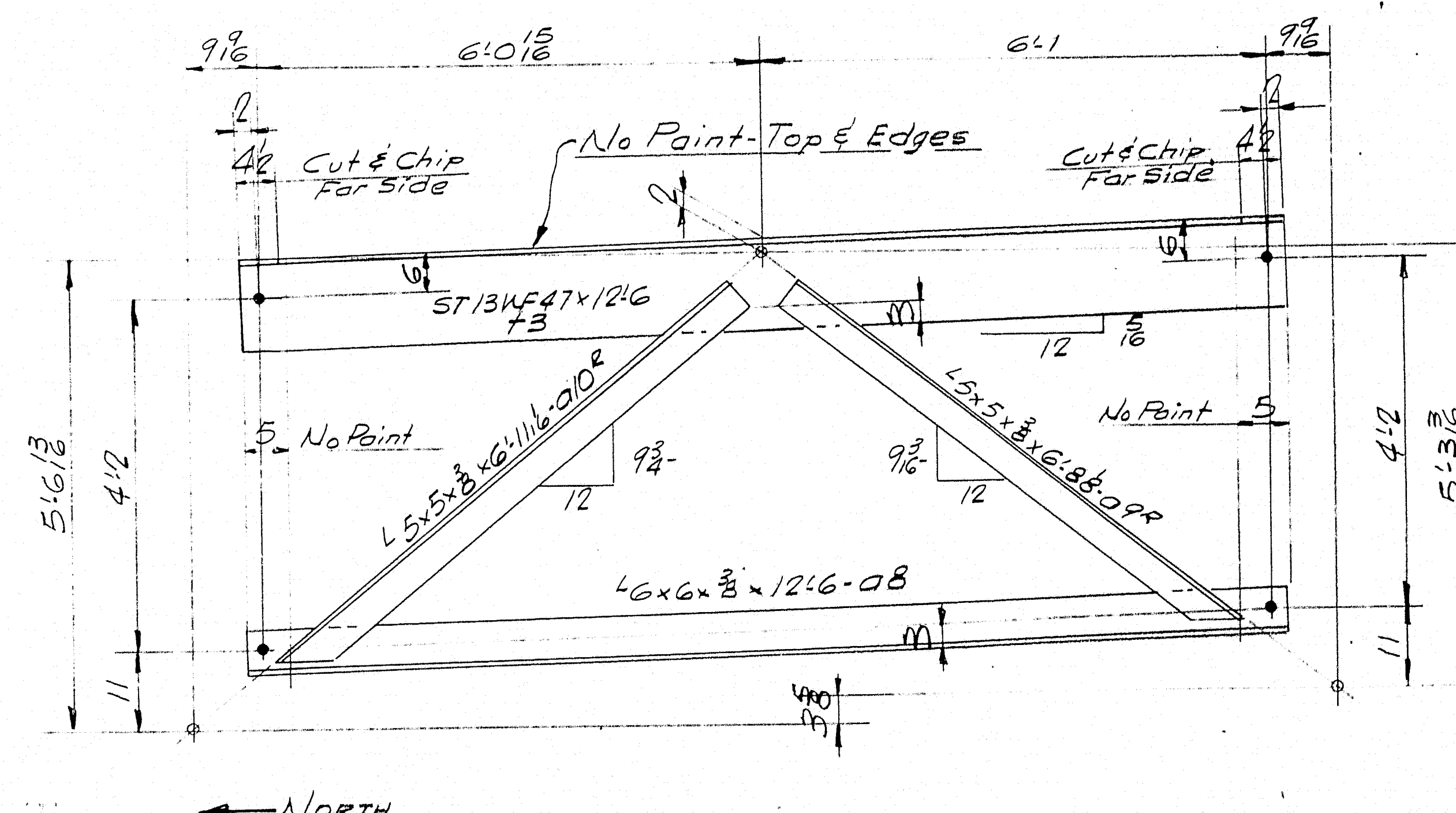
DRAWN	2-6-63 J.P.F.
REVISION	
REVISION	
REVISION	



G5NB-2 REQ'D.



G4NB-2 REQ'D.



G6NB-2 REQ'D.

SHIP		BILL OF MATERIAL				DWG. NO. 63-5-523
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
G4NB	2		CROSS FRAME	12' 5 1/2"	—	
G5NB	2		Do	12' 5 1/2"	—	
G6NB	2		Do	12' 5 1/2"	—	
	2	+2	ST13WF47	12' 5 1/2"		
	2	+3	Do	12' 6"		
	2	+4	Do	12' 5 1/2"		
	2	05	L6x6x3/8	12' 5 1/2"		
	2	06R	L5x5x3/8	6' 10"		
	2	06L		6' 10"		
	2	07R		6' 9"		
	2	07L	L5x5x3/8	6' 9"		
	2	08	L6x6x3/8	12' 6"		
	2	09R	L5x5x3/8	6' 8 1/2"		
	2	010R	Do	6' 11 1/2"		
	2	011	L6x6x3/8	12' 5 1/2"		
FIELD	24		3/4" M BOLTS	0' 24"		

A.S.T.M. Desig. A36 or A7

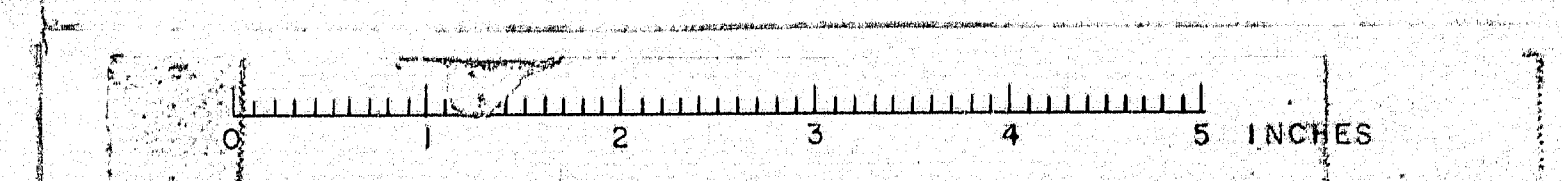
ITEM 702-103B

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES: 1/2" Ø
PAINT: Per Maine Specs & as noted

SPANS 6 & 7 NE
CROSS FRAMES TYPE G
Bancroft & Martin Inc.
South Portland, Maine
CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE
CUSTOMER E.C. SNOODGRASS INC.
DESIGNER MAINE S.H.C. BRIDGING
ORDER NO. VERBAL DWG. NO. 63-5-523

DRAWN 4-7-63 J.P.F.
REVISION
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REVISION

89-133

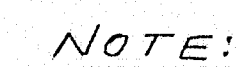


[illegible]

GB7 SB, GC7 SB
GB7 NB, GC7 NB
GB8 SB, GC8 SB

GA7SB, GD7SL
GA7NB, GD7NL
GA8SB, GD8SL

SHOP CONNECTIONS: *Welded*
FIELD CONNECTIONS:
HOLES:
PAINT:



Shop adjustment may be made in stud spacing
@ Flange Butt Weld.

2863 SPANS 6-7+8 SB & 6+7NB
STUD DETAILS & DIM. @ GIRDERS

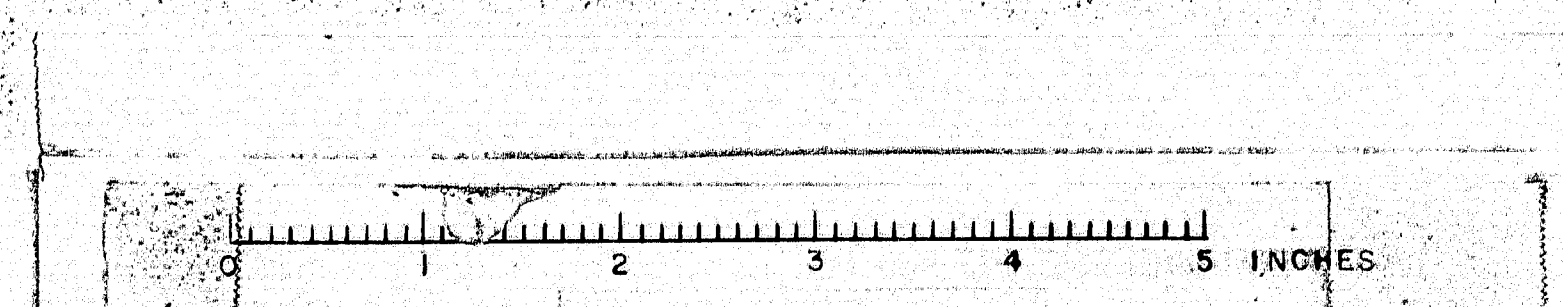
Rancroft & Martin Inc
South Portland 7, Maine

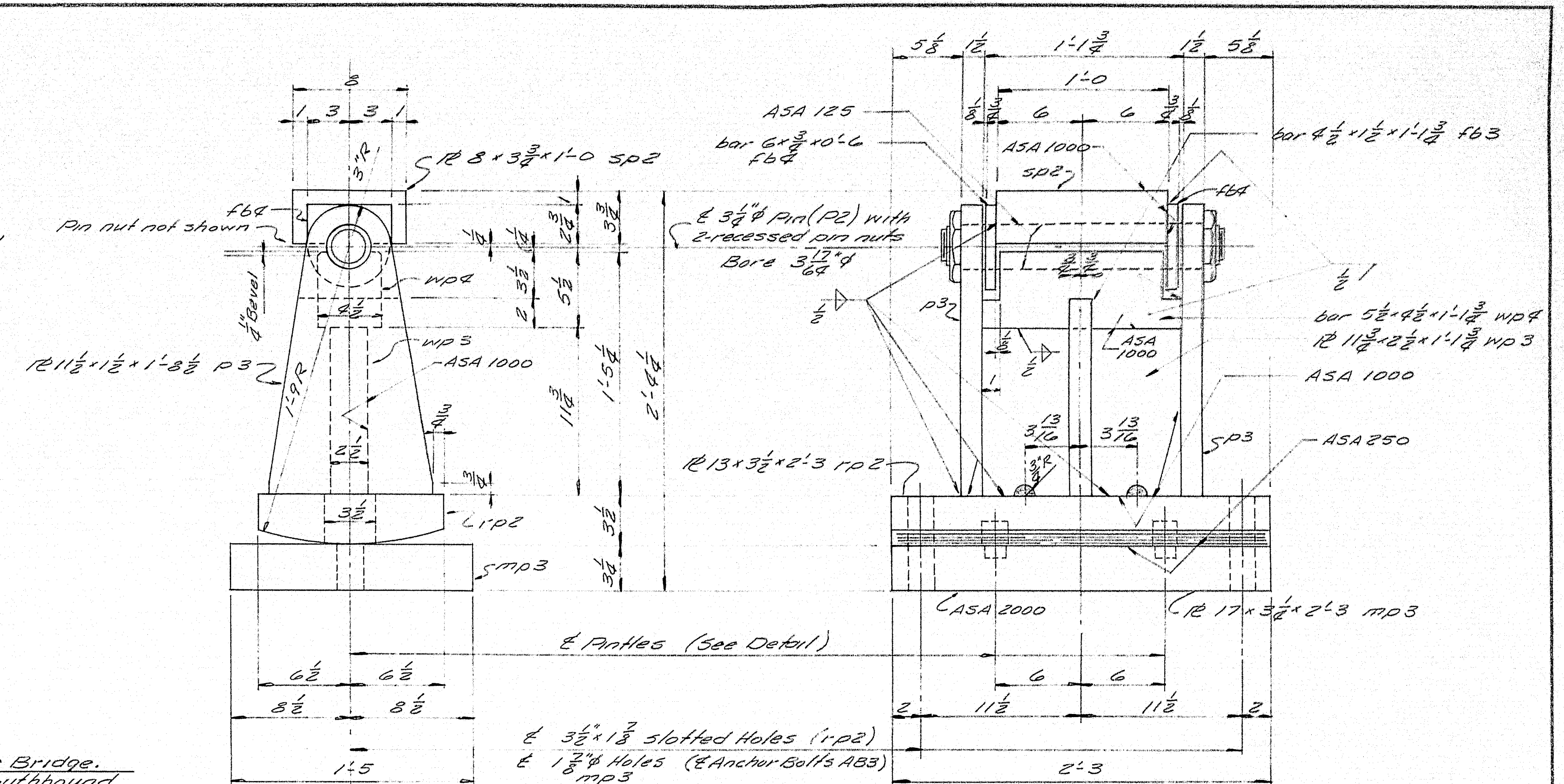
CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE

CUSTOMER E.C. SNODGRASS, INC.
DESIGNER MAINE S. H. C. BRIDGEDIV.

ORDER NO. <u>VERBAL</u>	DWG. NO. <u>63-5-S24</u>
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89-154

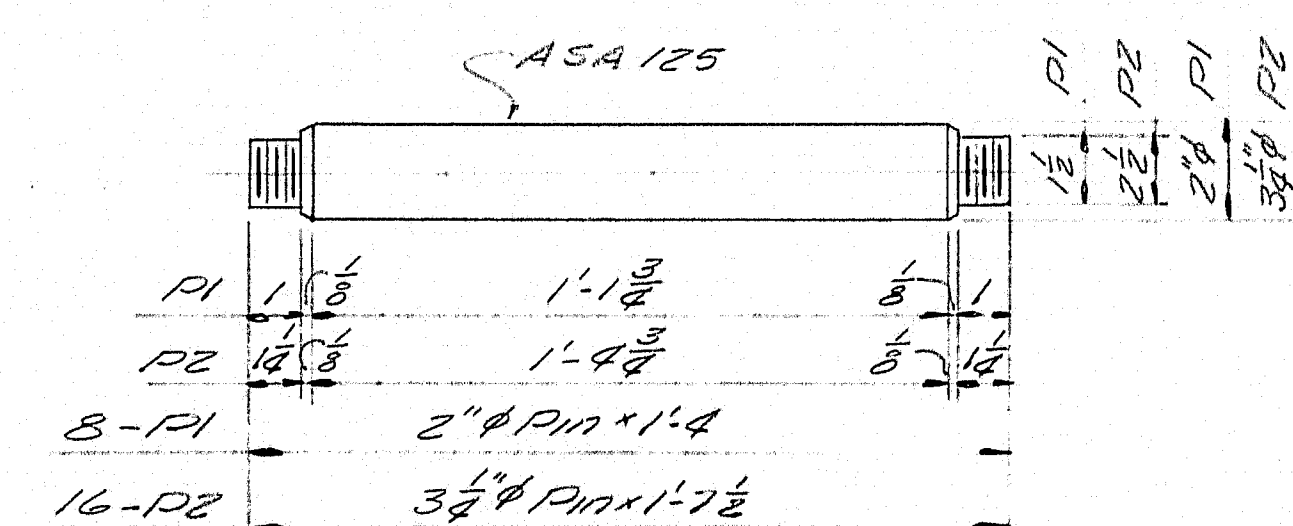




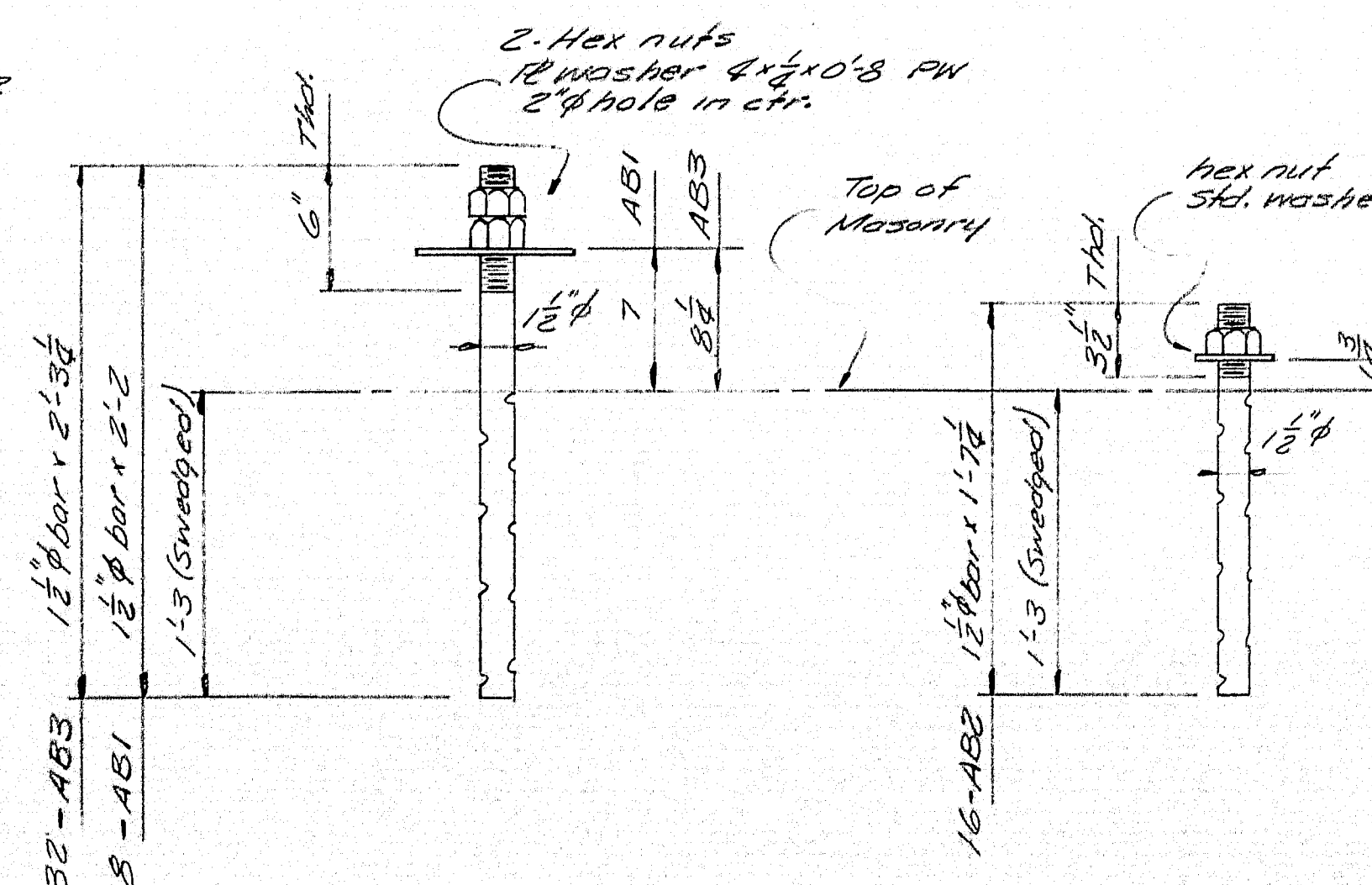
EPI 4-REQ'D.

Quantities shown are for One Bridge.
 Suffix S.B. to be added to Southbound
 Pedestals. (Bill of Material on 531S.)
 Suffix N.B. to be added to Northbound
 Pedestals. (Bill of Material on 531N.)

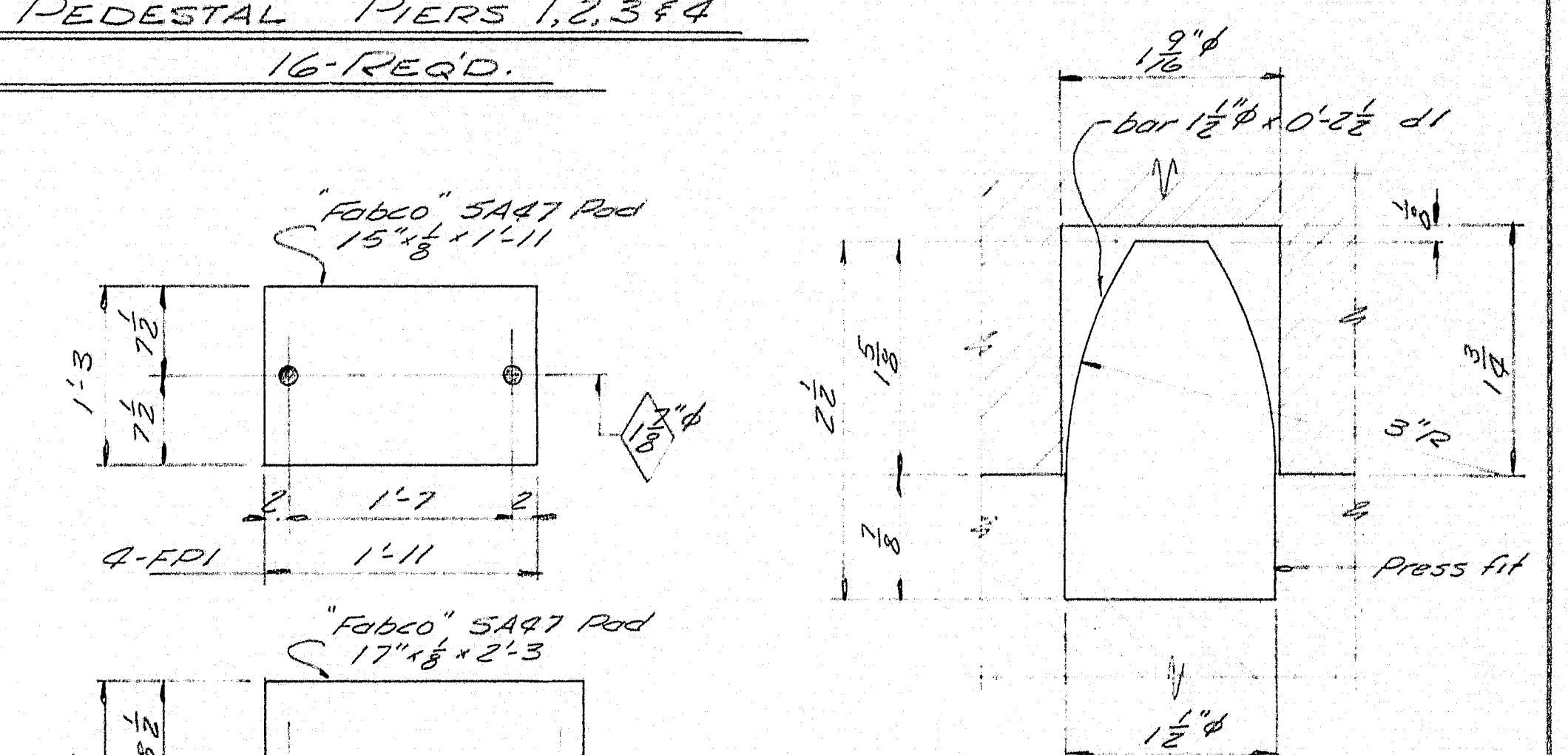
EP2 16-REQ'D



PIN DETAIL.



ANCHOR BOLTS

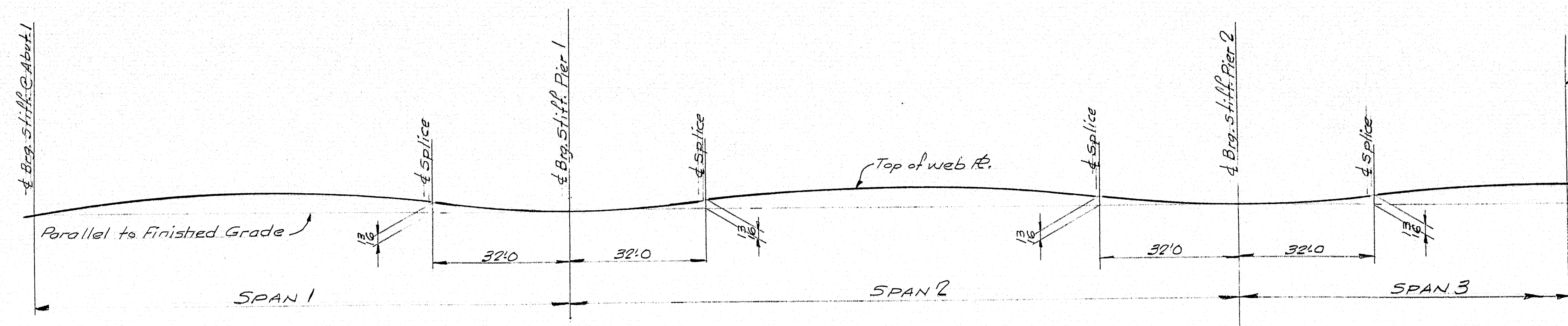


PINTLE DETAIL

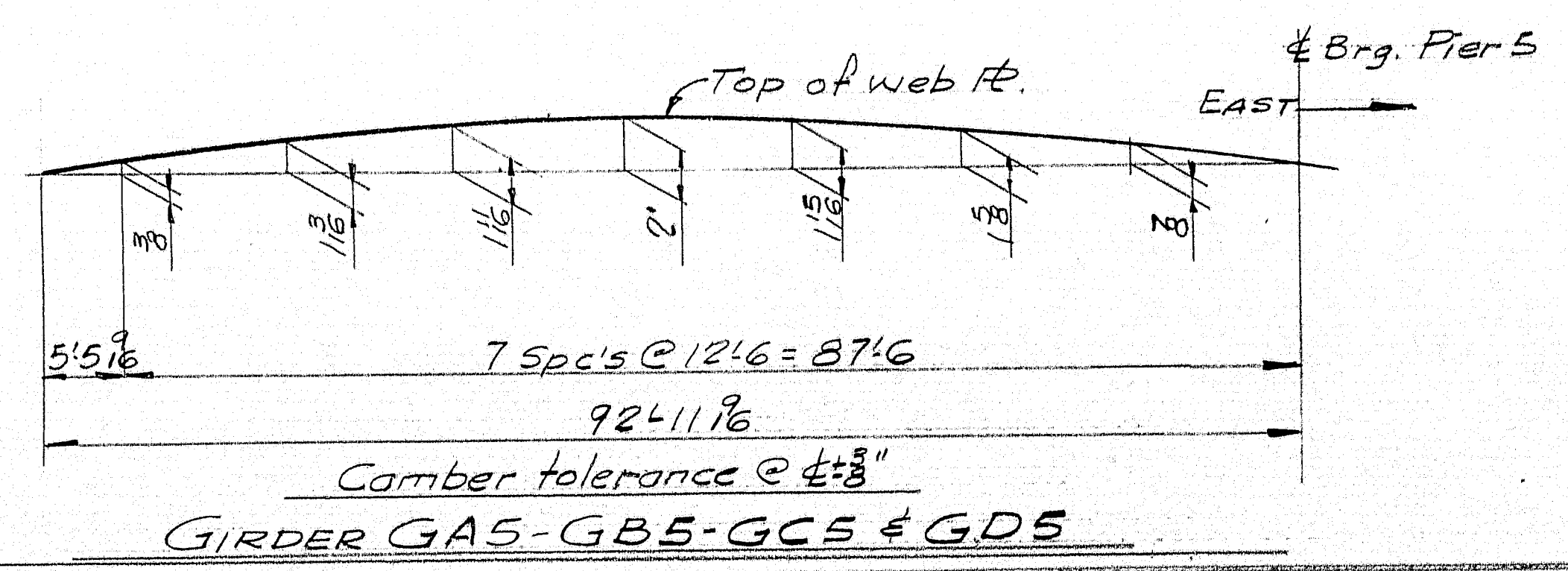
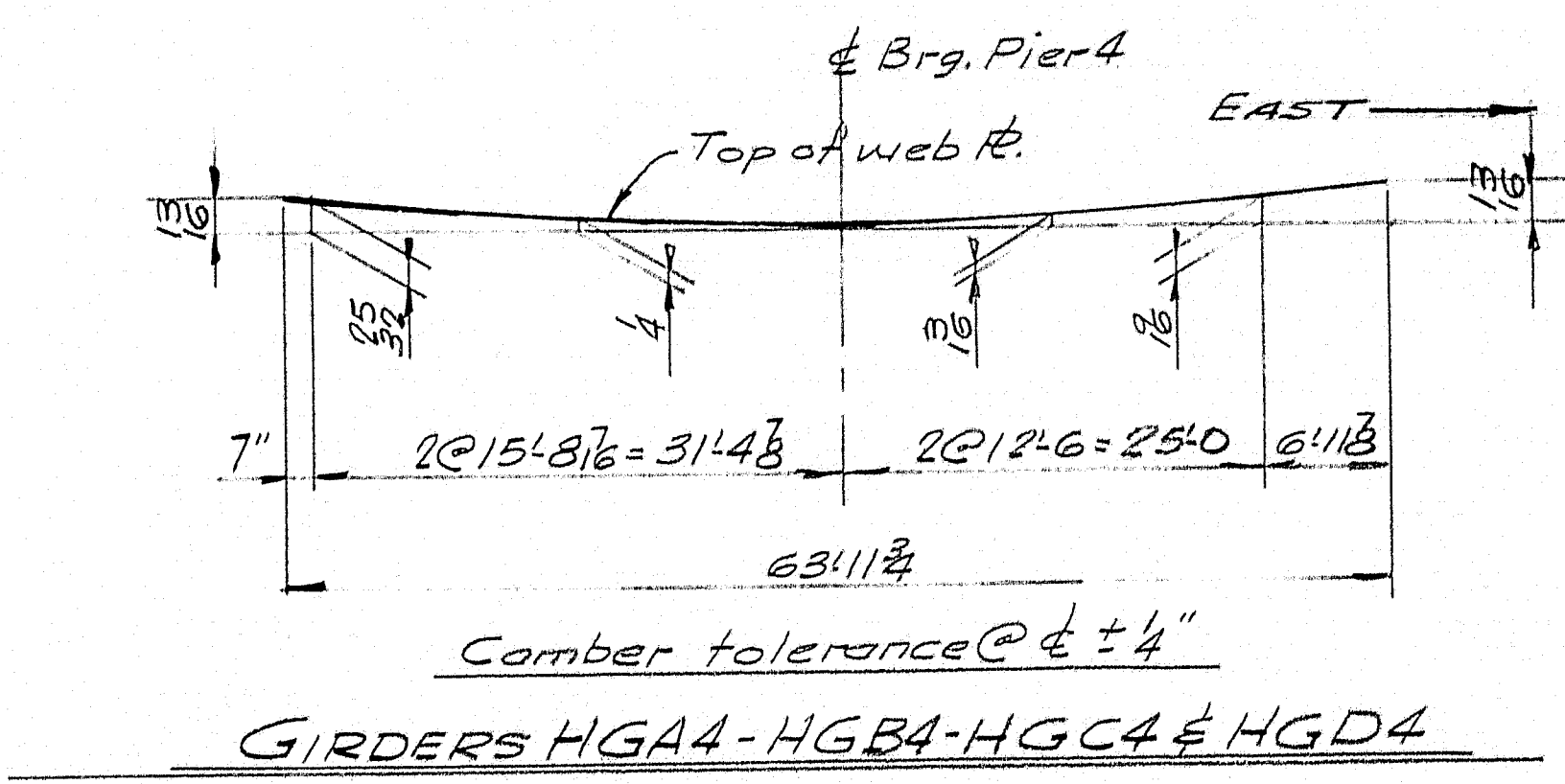
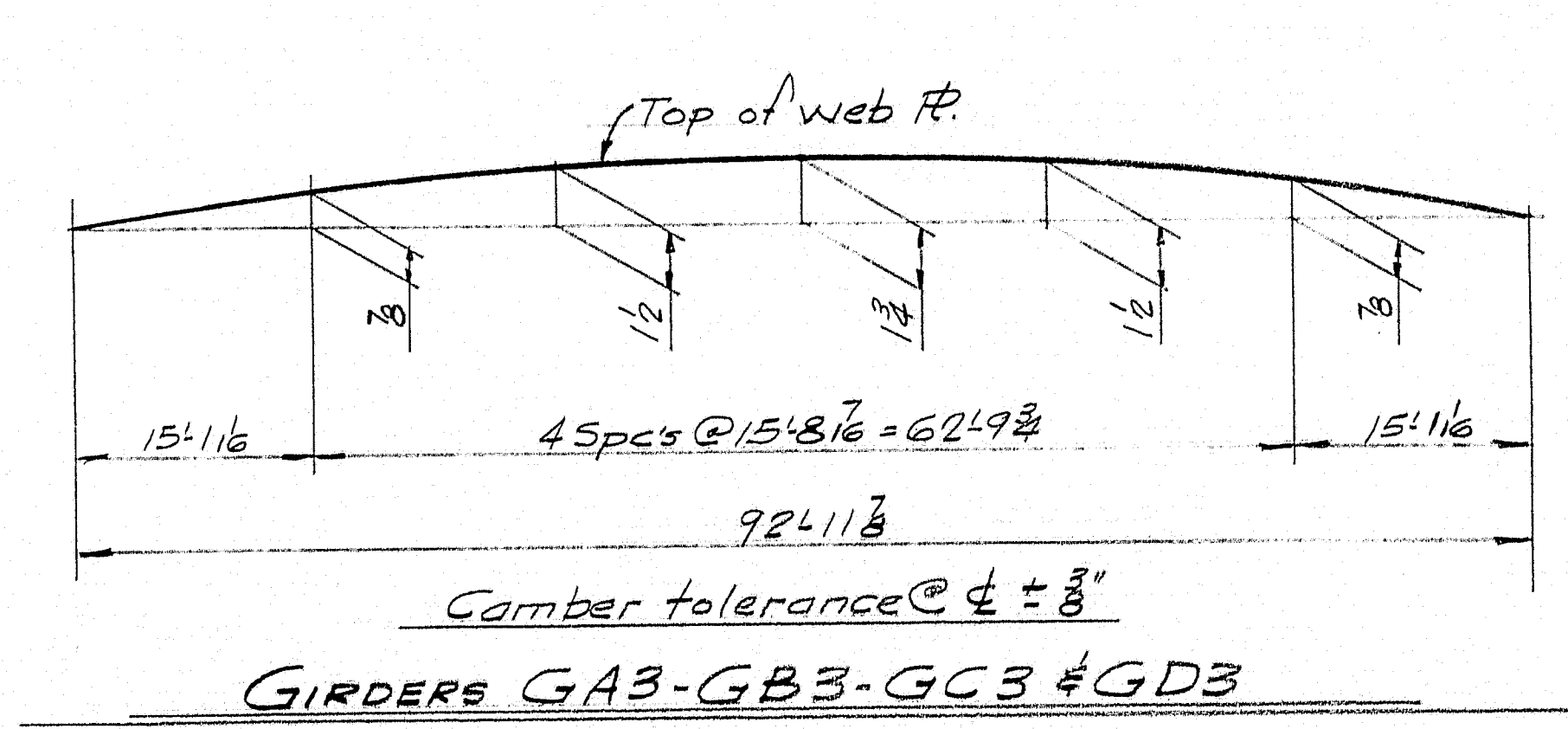
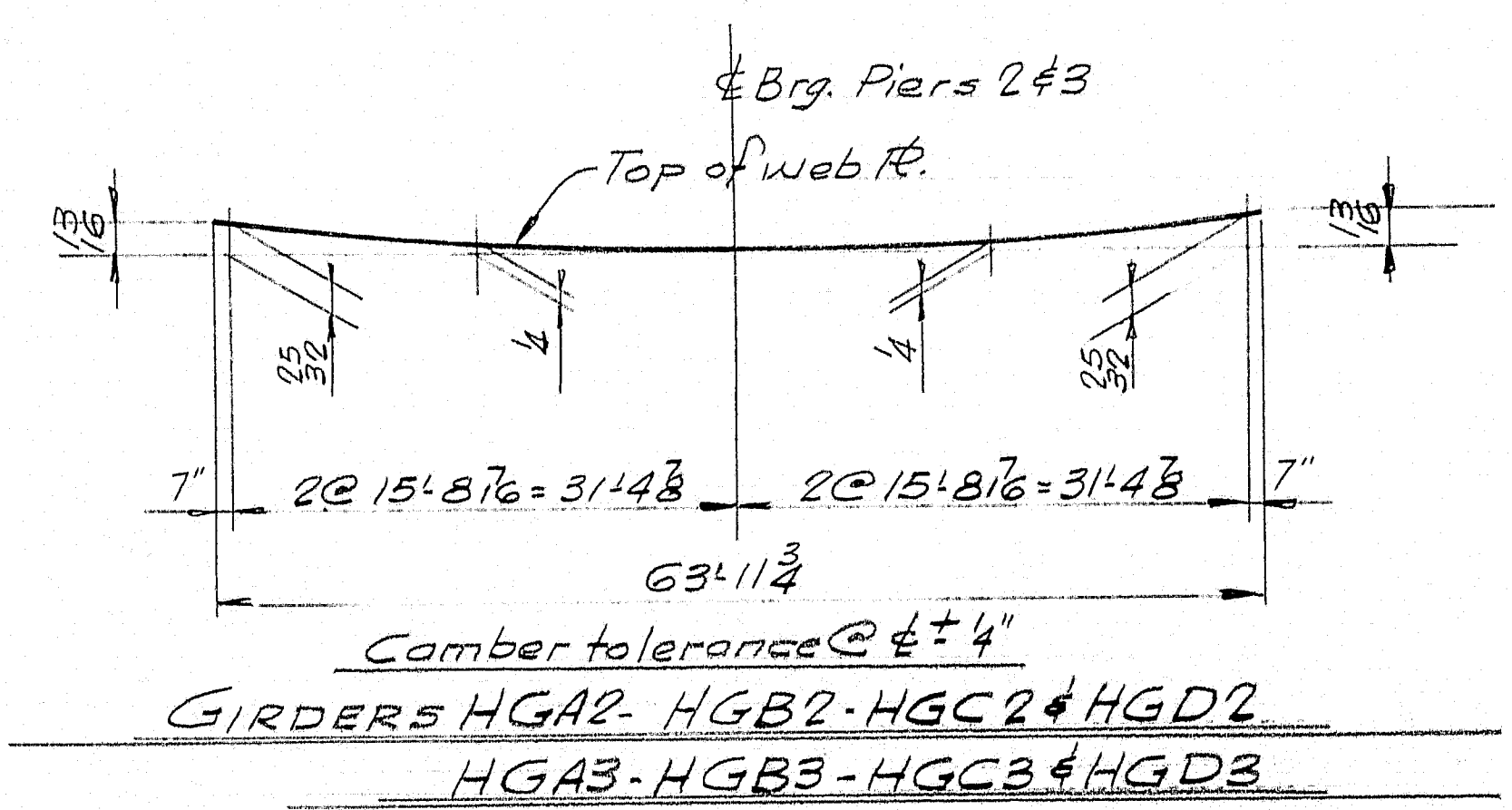
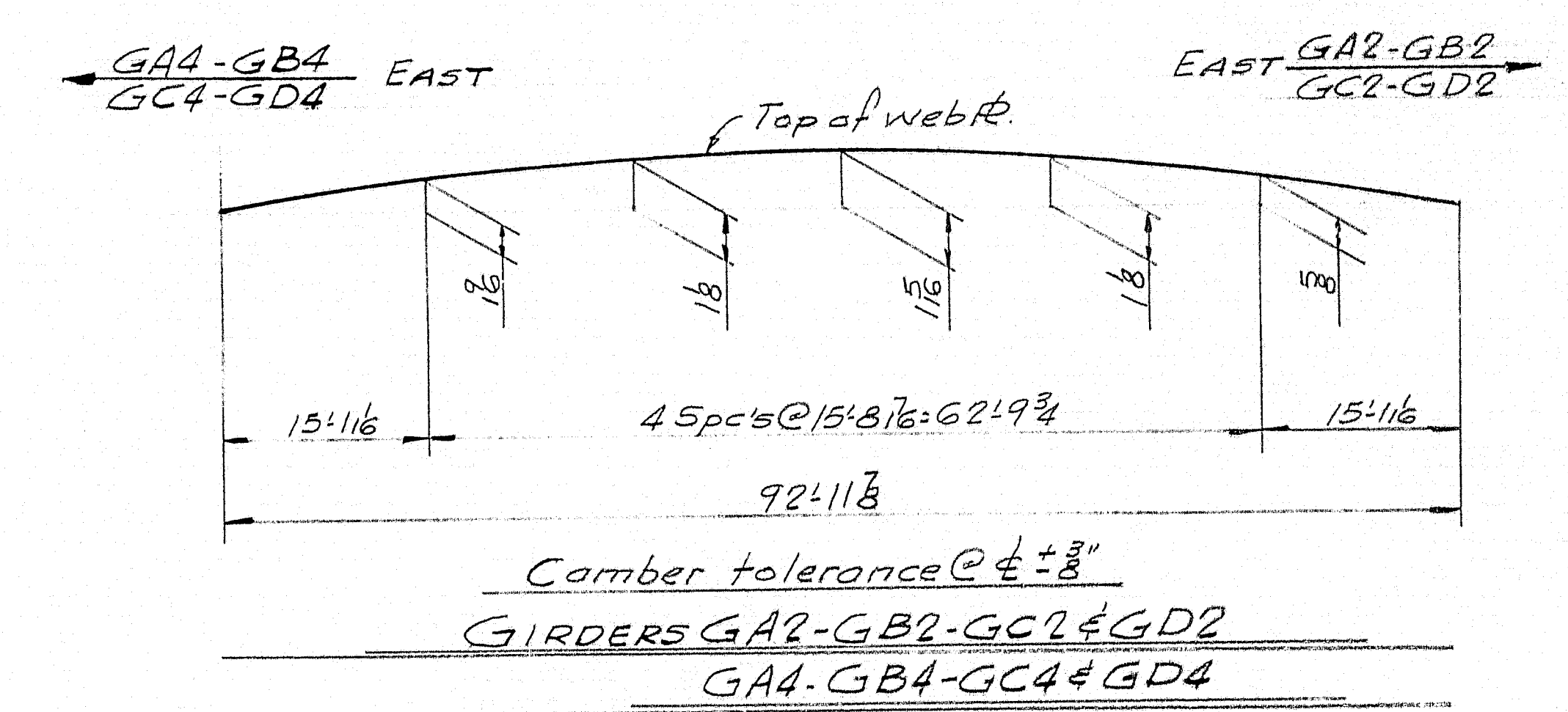
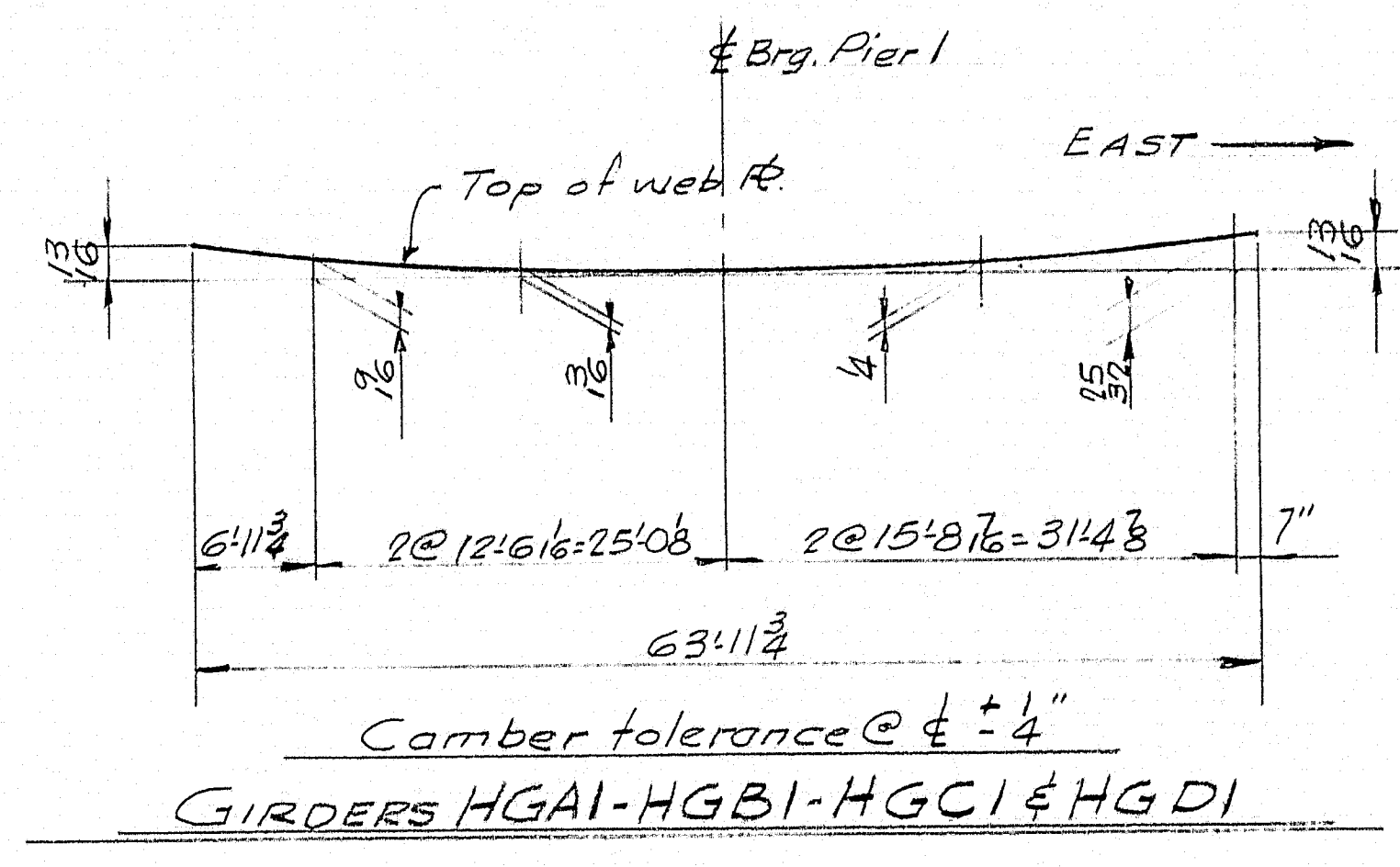
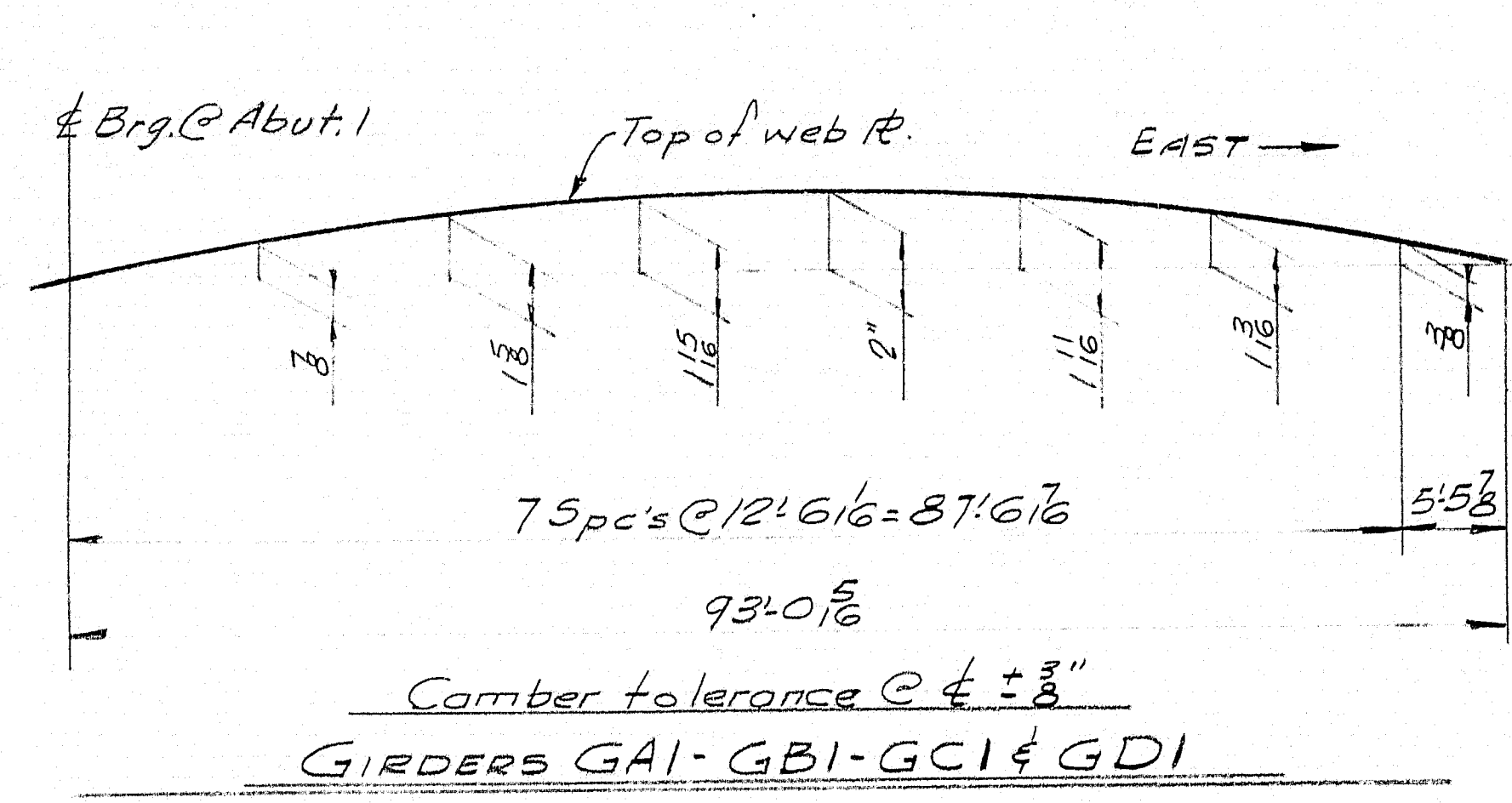
FPI 4-REQ'D

No point on surfaces finished ASA 125 or ASA 250. Coat with hot mixture of white lead and tallow.
No point on top surface and $\frac{3}{4}$ down from top surface spl and spc.
No point on Anchor Bolts, Oil Threads.

APPROVED 6-2-63	SPANS 1 TO 5 N.B. & S.B.	
	PEDESTAL DETAIL	
	Bancroft & Martin Rolling Mills Company South Portland 7, Maine	
	CLINTON A. CLAUSON MEMORIAL BRIDGES FAIRFIELD, MAINE.	
	CUSTOMER <u>E.C. SNODGRASS INC.</u> DESIGNER <u>MAINE S.H.C. BRIDGE DIV.</u>	
ORDER NO. <u>Verbol</u>		DWG. NO. <u>63-5-531</u>



SHOP ASSEMBLY DIAGRAM
For All Girder Lines



CAMBER DIAGRAMS

Cambers shown are finished cambers.
No allowances shown for shrinkage due to welding.
The ends of girders shall be cut normal to
flanges unless otherwise detailed.

SPANS 1 TO 5 S.B. & N.B.
CAMBER DIAGRAMS
Prepared by: Martin, Rolling Mills Company South Portland, Maine
CLINTON A. CLAUSON MEM. BRIDGE FAIRFIELD, MAINE
CUSTOMER: F.C. SNODGRASS INC.
DESIGNER: MAINE S.H.C. BRIDGE DIV.
ORDER NO. VERBAL
DWG. NO. 63-5-532

DRAWN	7-13-63 J.P.F.
REVISION	
REVISION	
REVISION	

