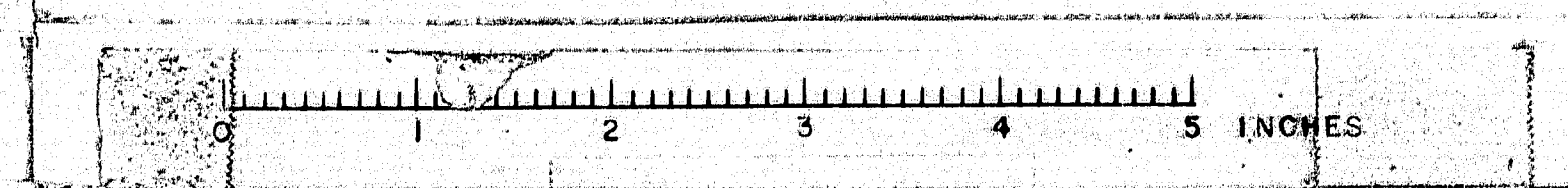


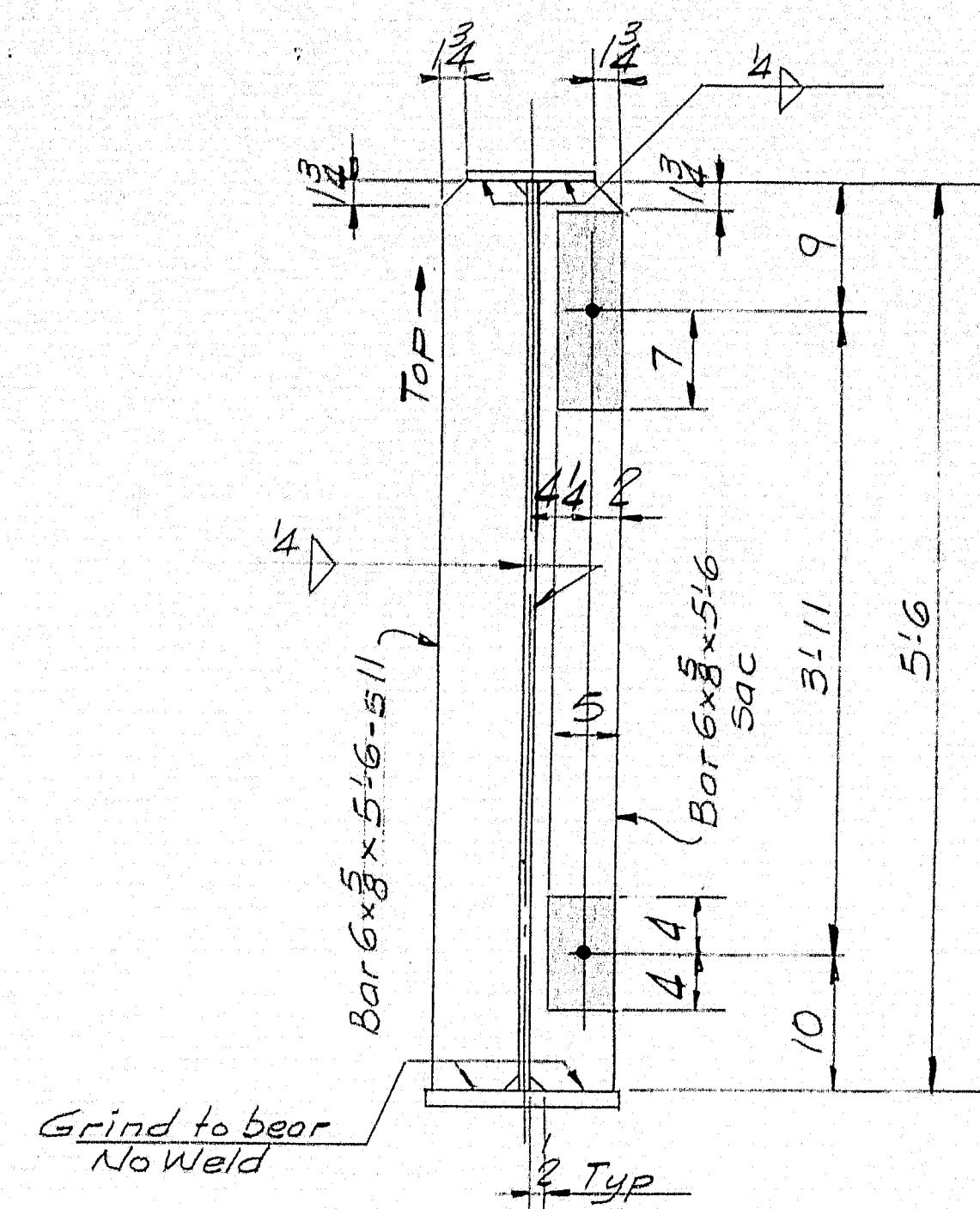
Cut From  $\# 104\frac{1}{2} \times \frac{1}{2} \times 64\frac{1}{2}$

Ends of R. to be normal to top edge of R.

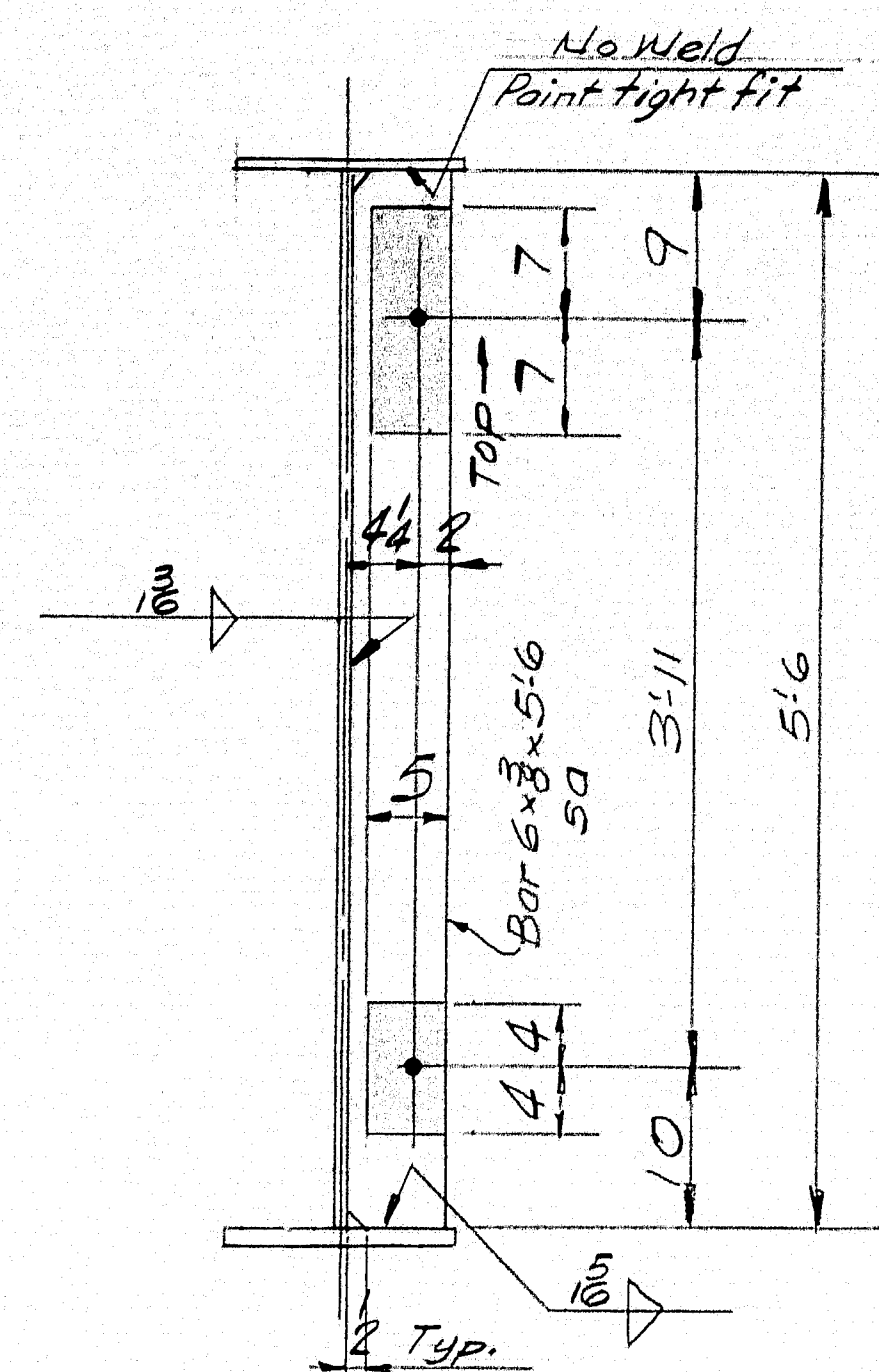
APR 3-29-63	SPANS 1 to 5 S.B. & N.B.	
	WEB PLATES pw7 & pw7a	
	Bancroft & Martin Rolling Mills Company South Portland, Maine	
	CLINTON A. CLAUSON MEM. BRIDGE FAIRFIELD, MAINE	
DRAWN	2-21-63 J.P.F.	CUSTOMER F.C. SNODGRASS, INC.
REVISION		DESIGNER MAINE S.H.C. BRIDGE DIV.
REVISION		ORDER NO. VERBAL
REVISION		DWG. NO. 63-6-S32A



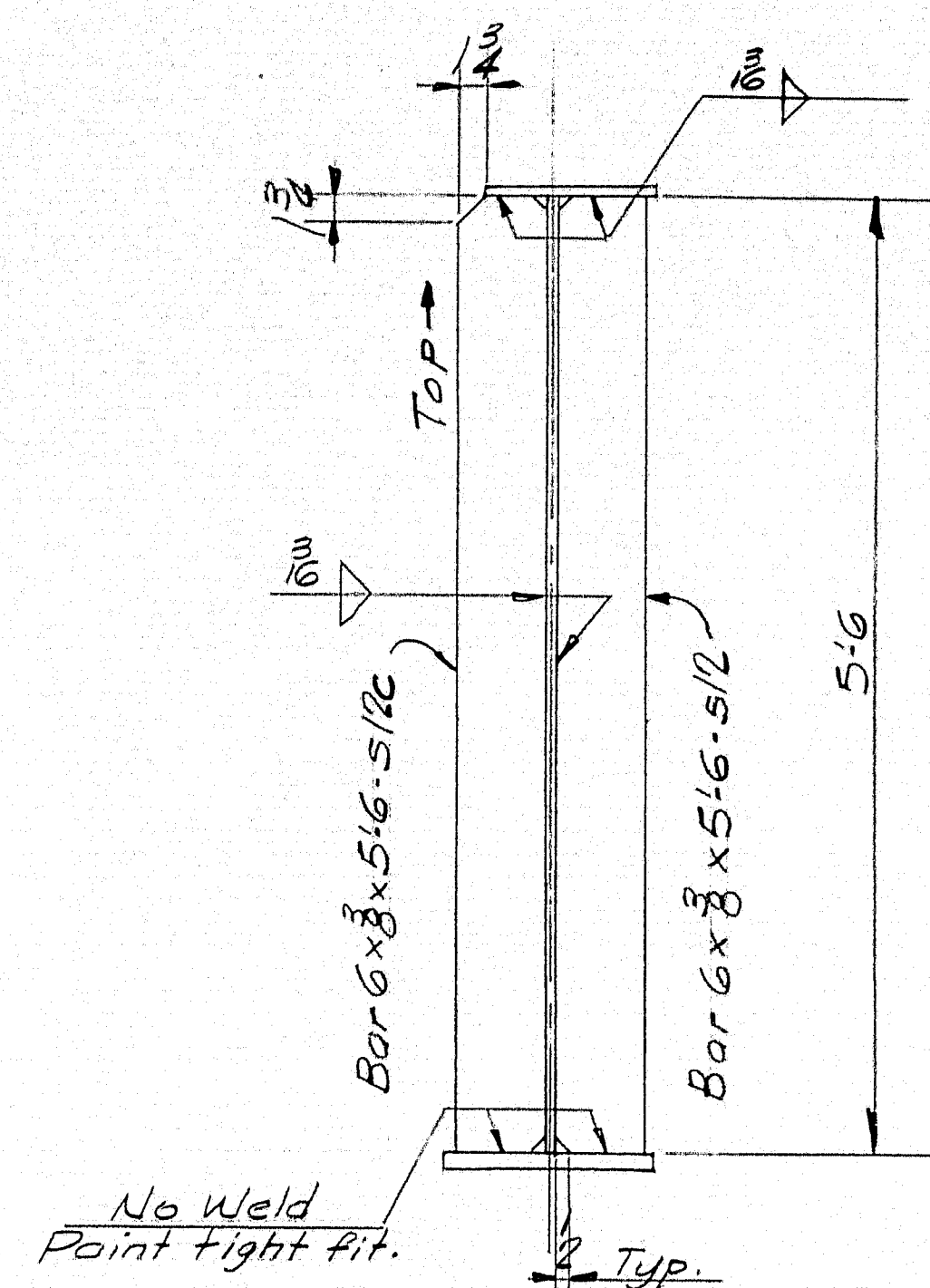




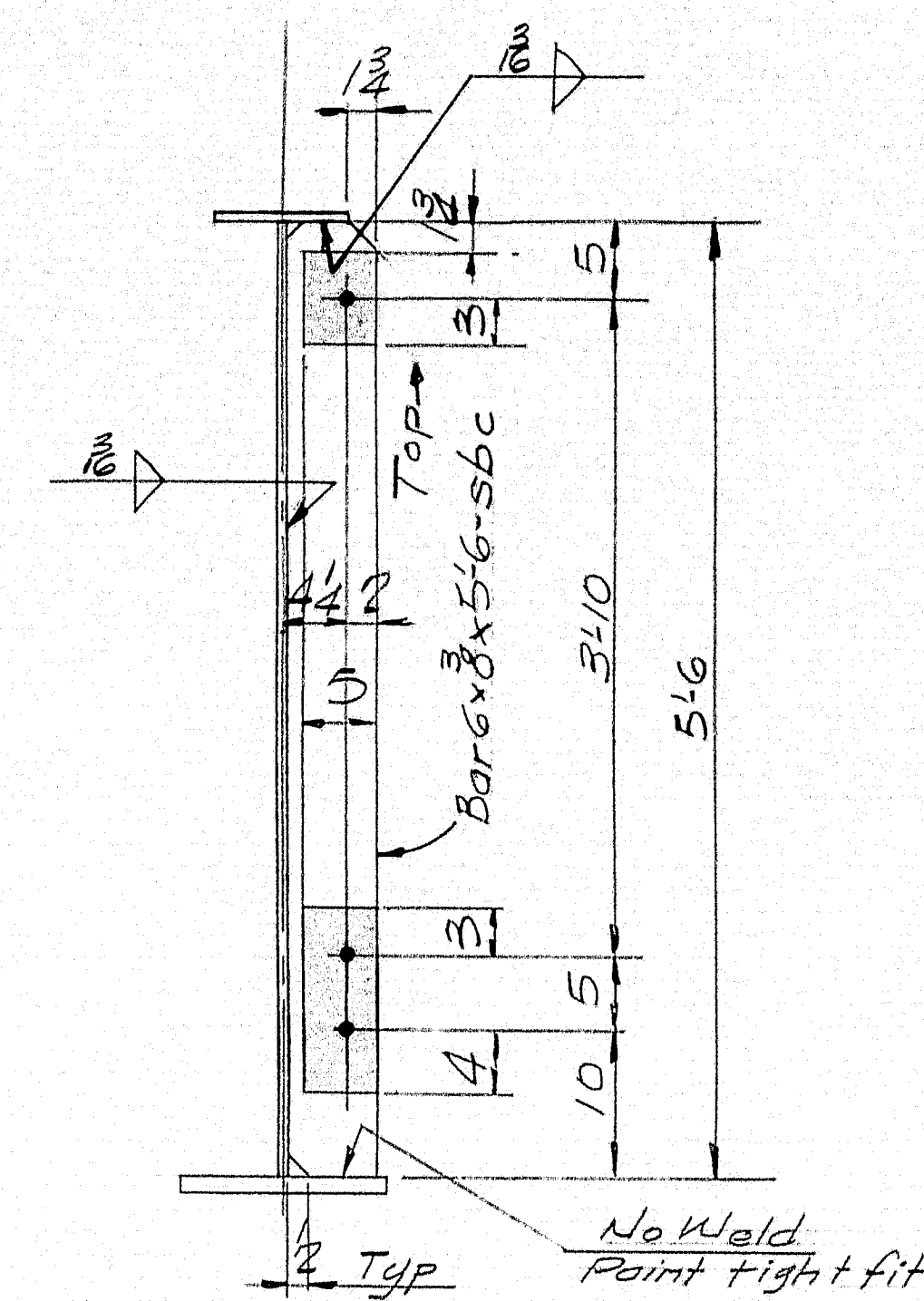
Typ. Detail @ s11 & soc



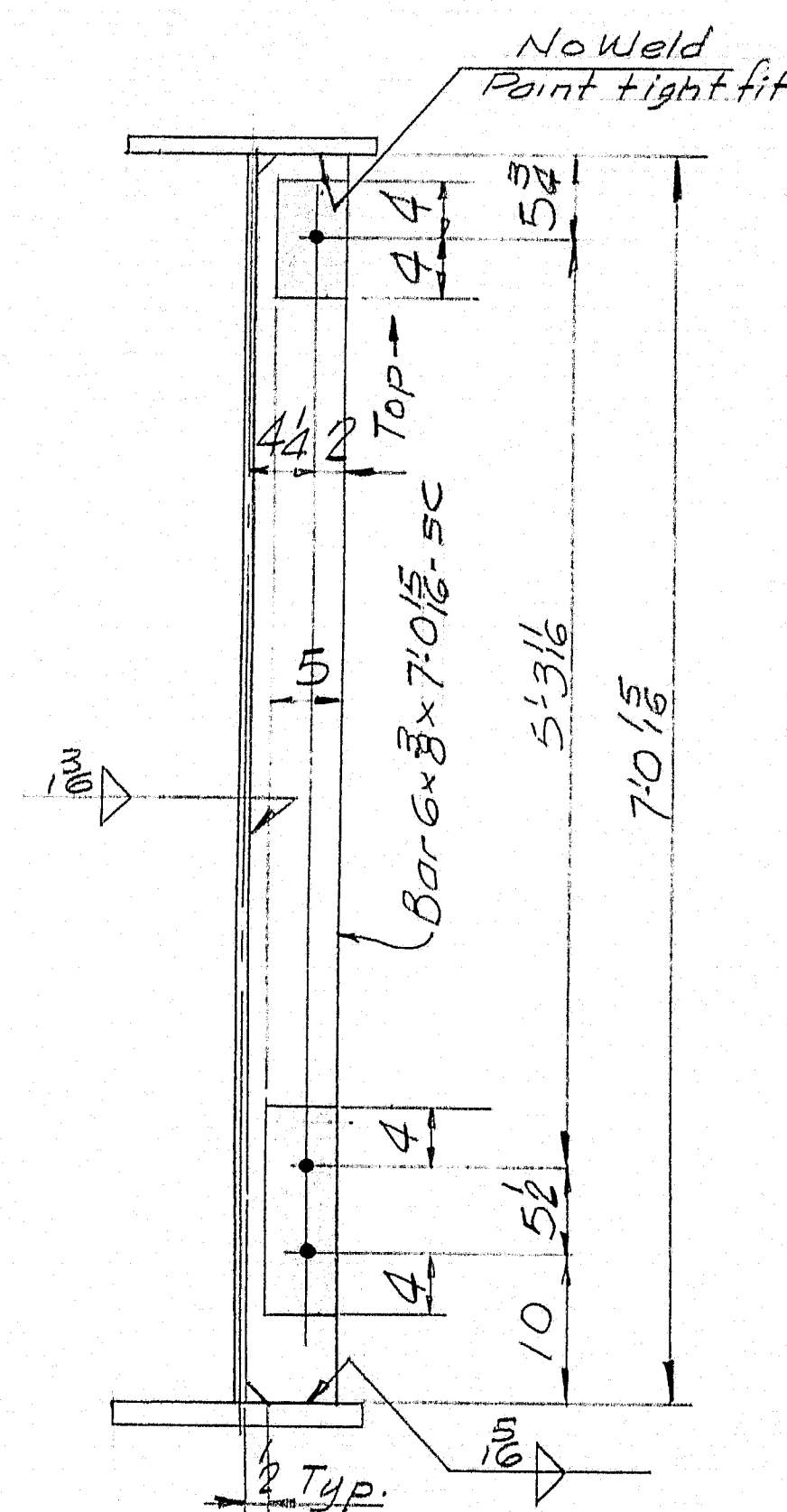
Typ. Detail @ sa



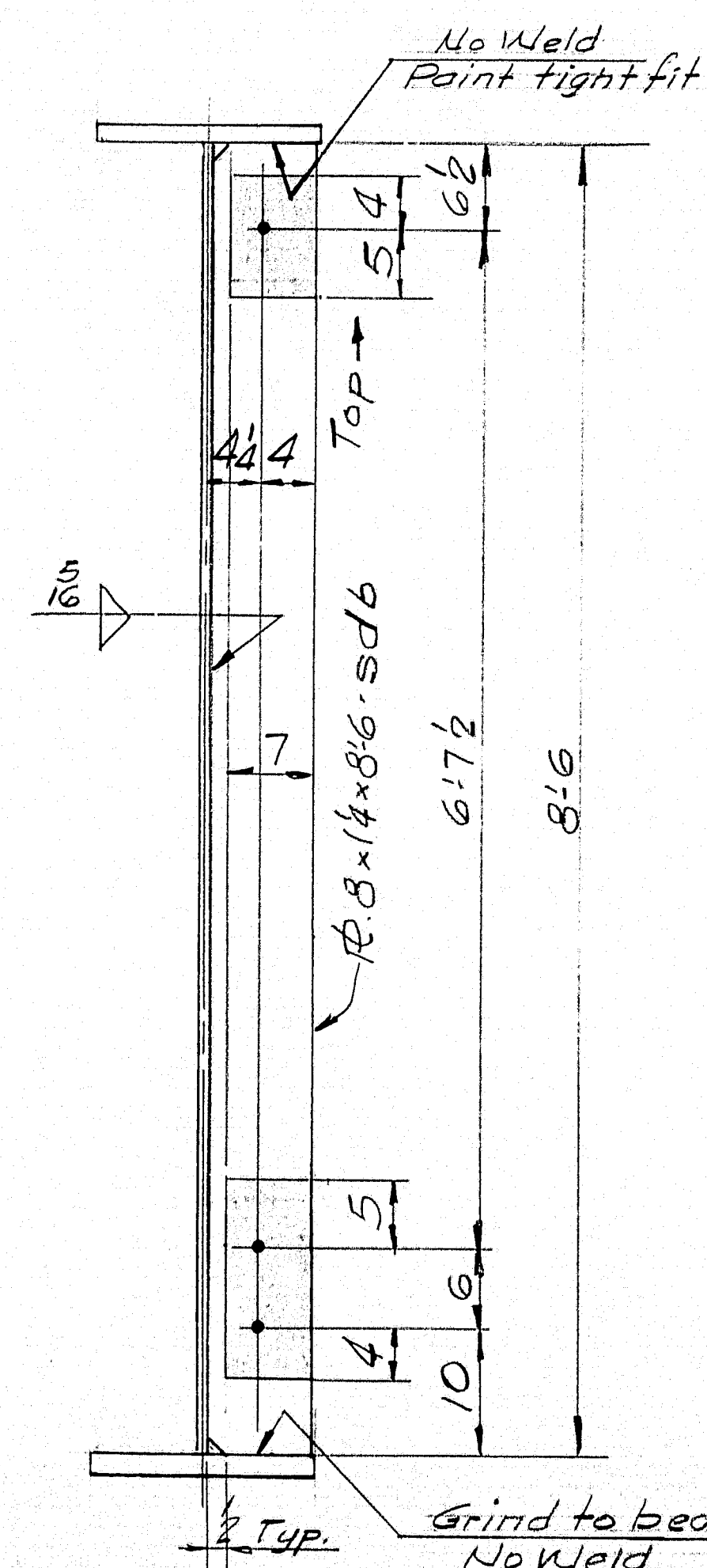
Typ. Detail @ s12c & s12



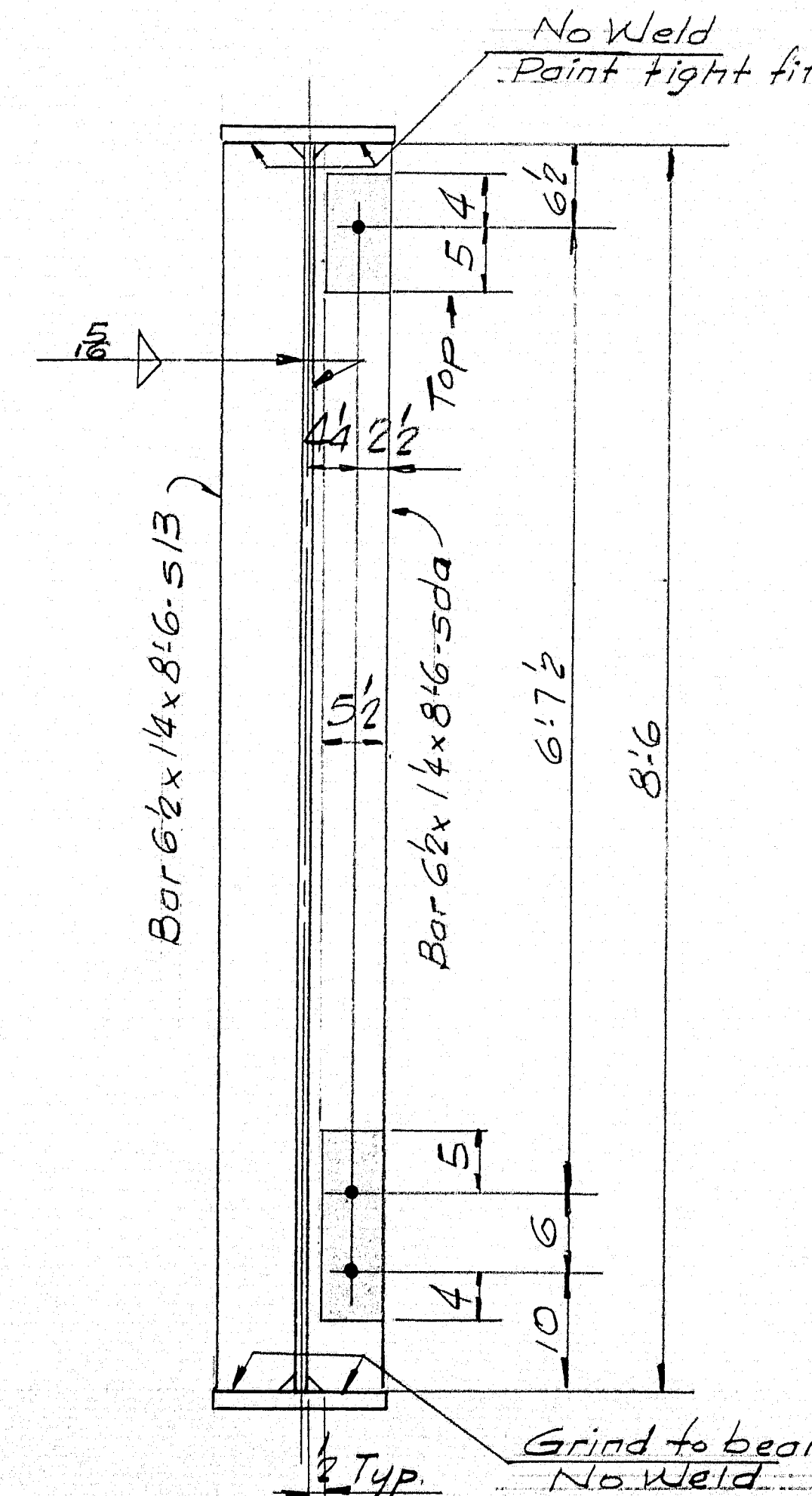
Typ. Detail @ sbc



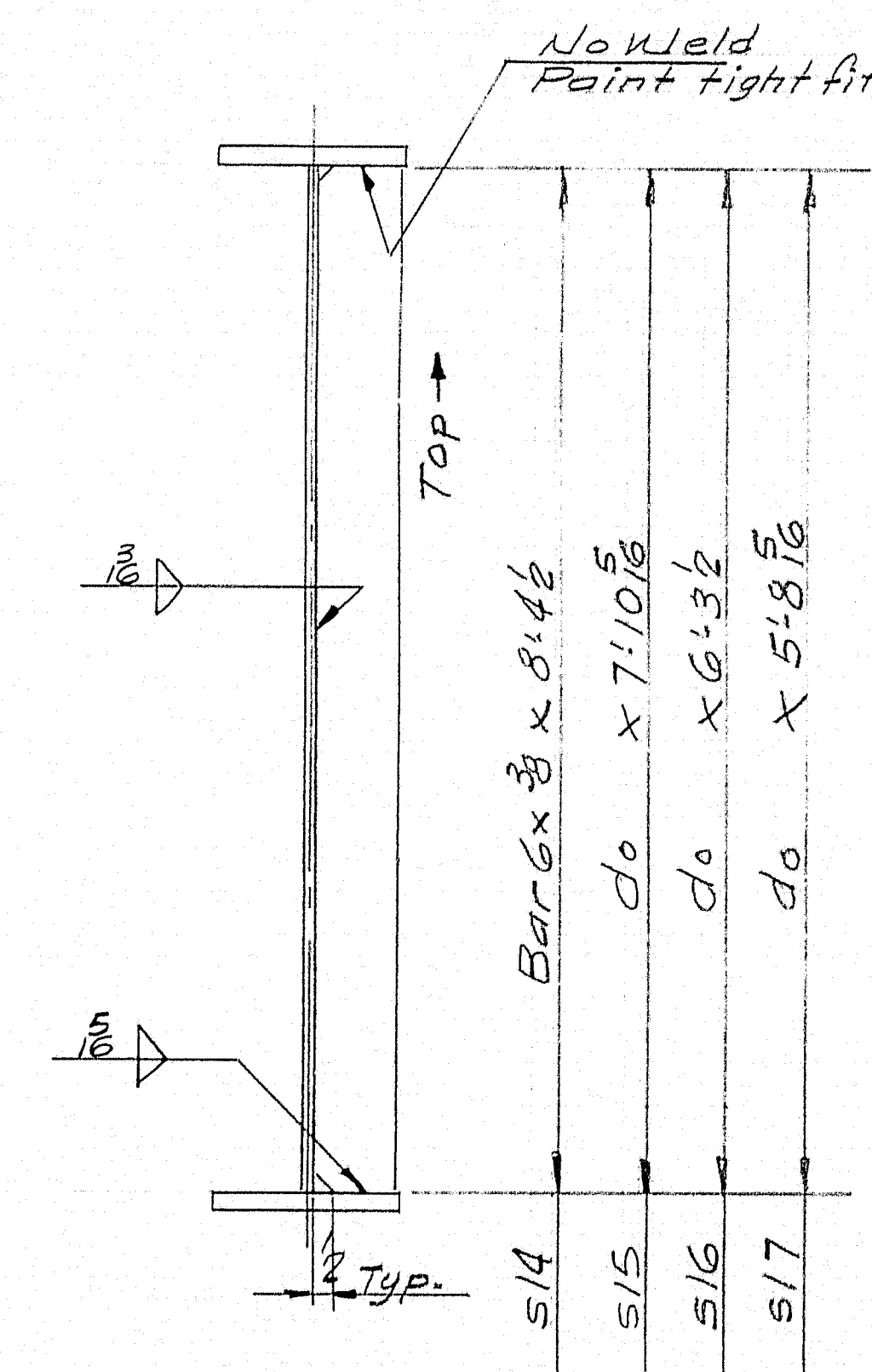
Typ. Detail @ sc



Typ. Detail @ sdb



Typ. Detail @ sda & s13

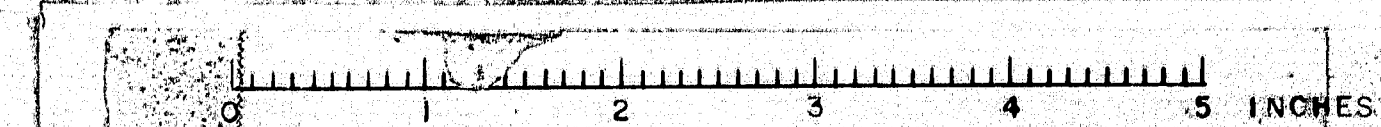


Typ. Detail @ s14, s15, s16 & s17

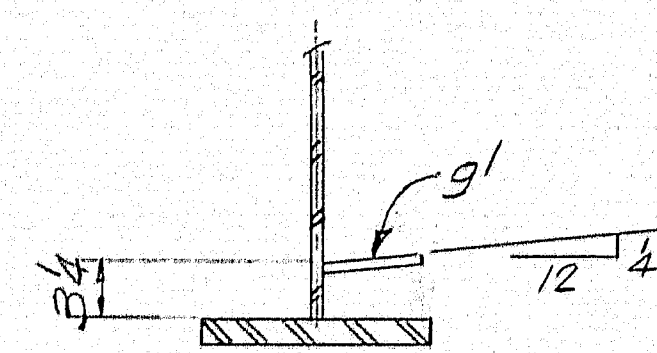
NOTES  
Holes 1/2" φ  
There shall be No Point N.S. & F.S.  
of stiffeners @ shaded areas.  
See Note on Dwg. X11 for  
welding of bearing stiffeners  
s11-s11-sda-sdb & s13  
All stiffeners to be normal  
to flanges.

SPANS 1 TO 5 S.B. & N.B.	
STIFFENER DETAILS	
Drawn by E. 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. 68-5-S33

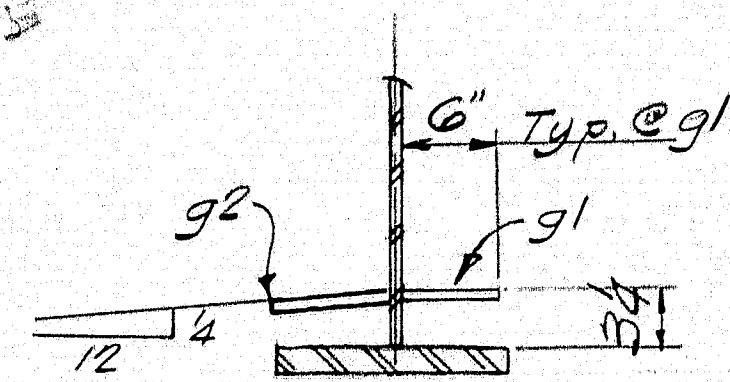
DRAWN	2-14-63 J.R.F.
REVISION	
REVISION	
REVISION	



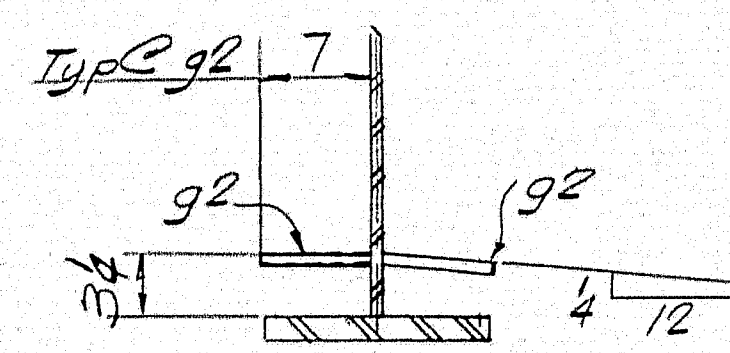




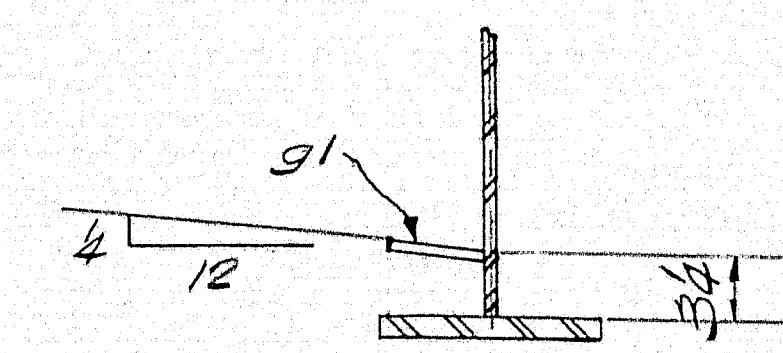
D1-D1



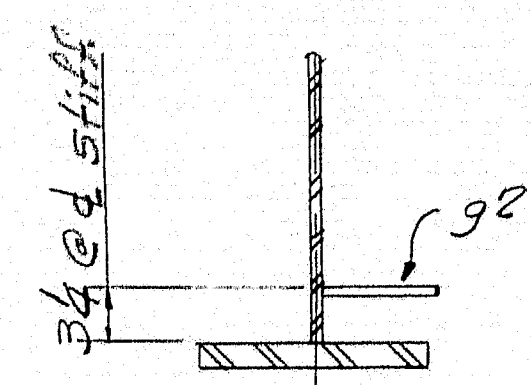
C1-C1



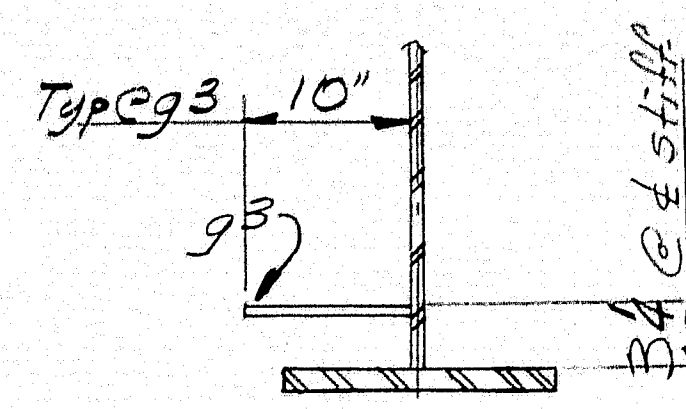
B1-B1



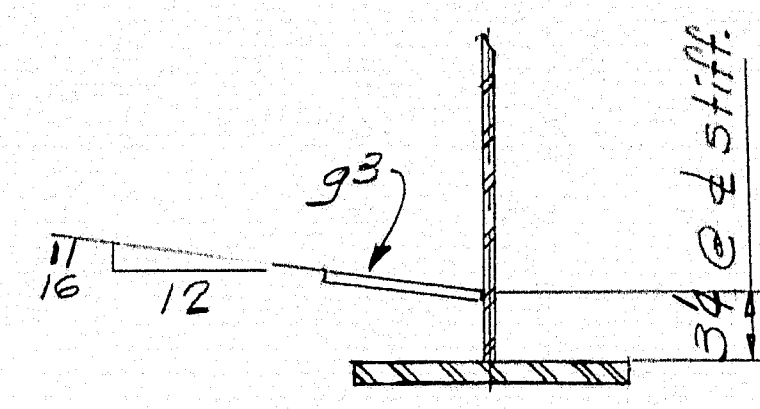
A1-A1



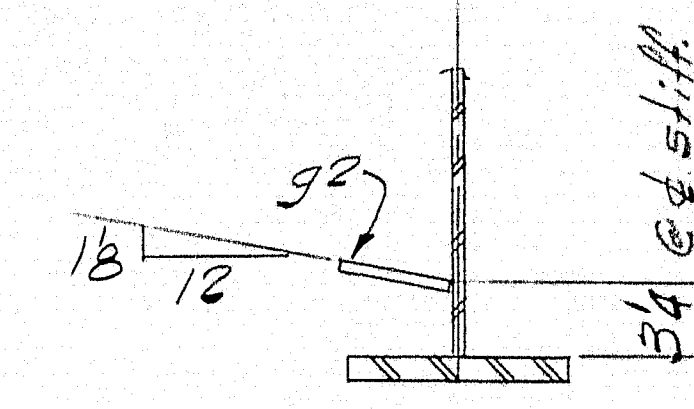
D2-D2



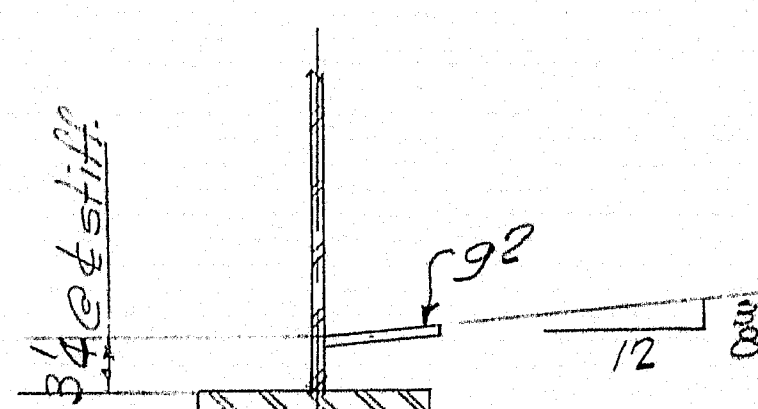
C2-C2



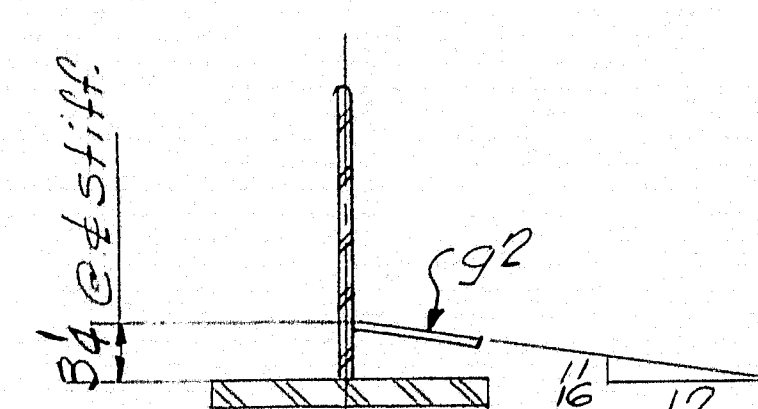
B2-B2



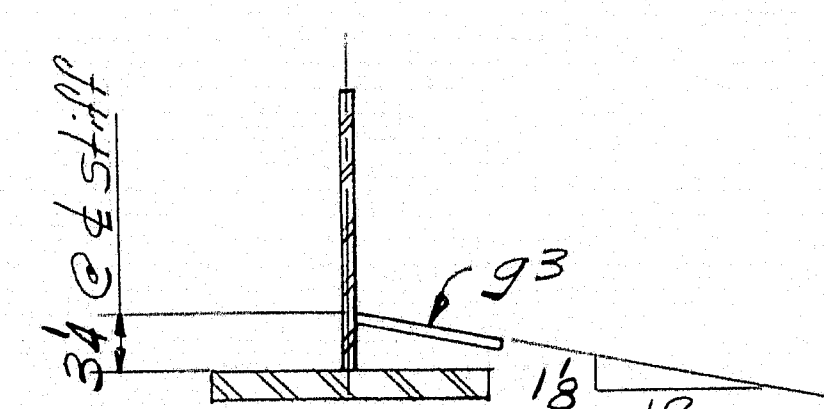
A2-A2



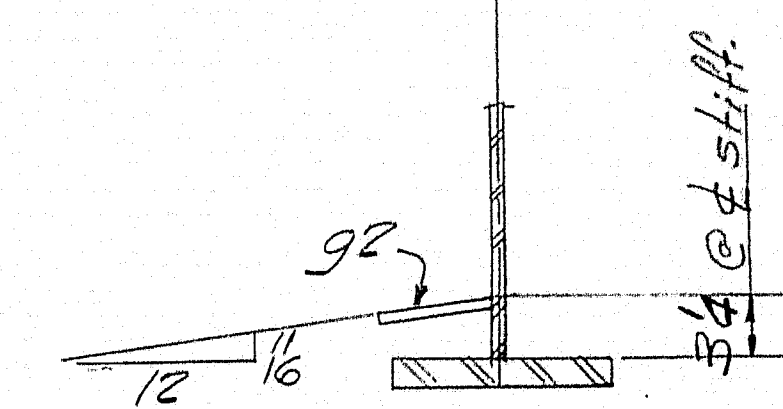
D3-D3



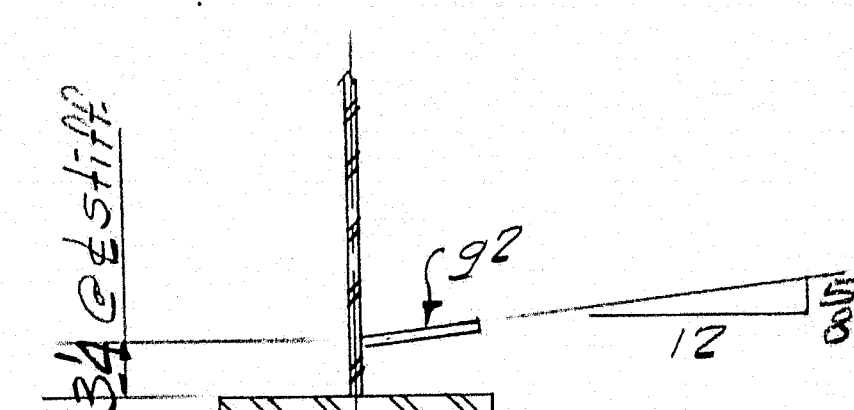
C3-C3



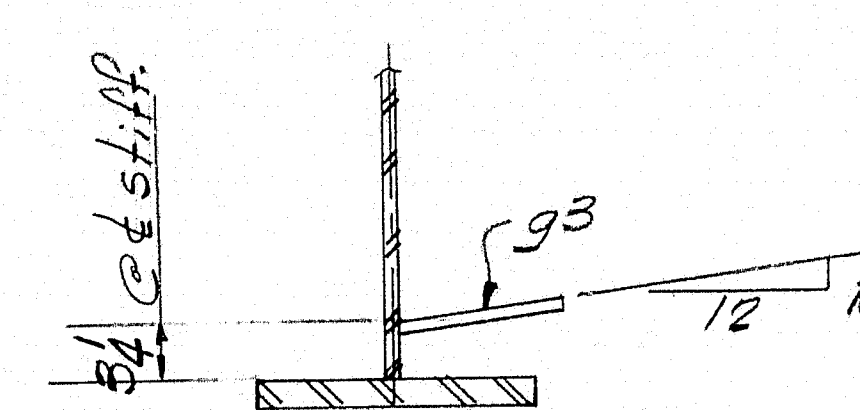
B3-B3



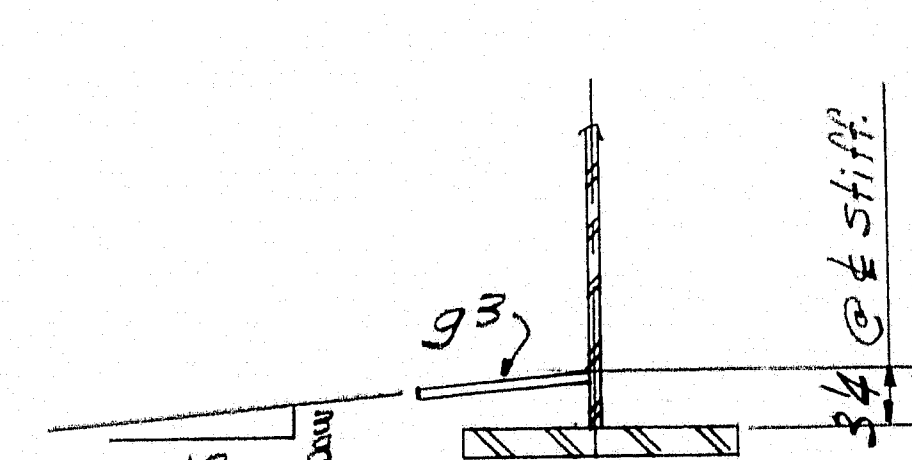
A3-A3



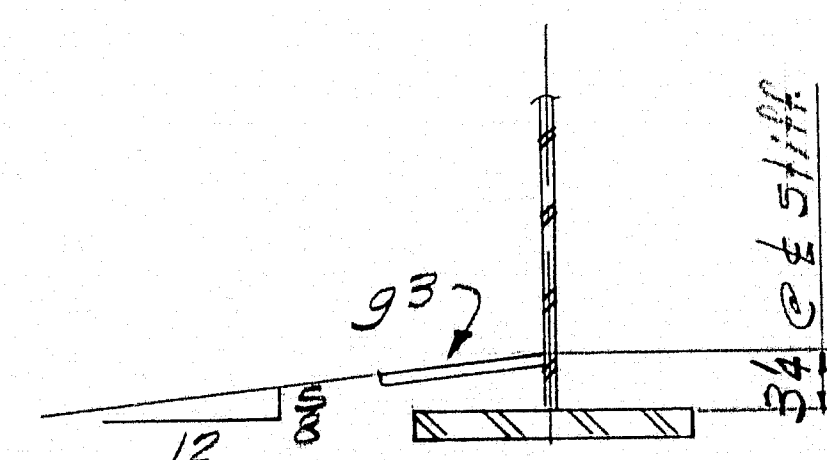
C4-C4



B4-B4



C5-C5



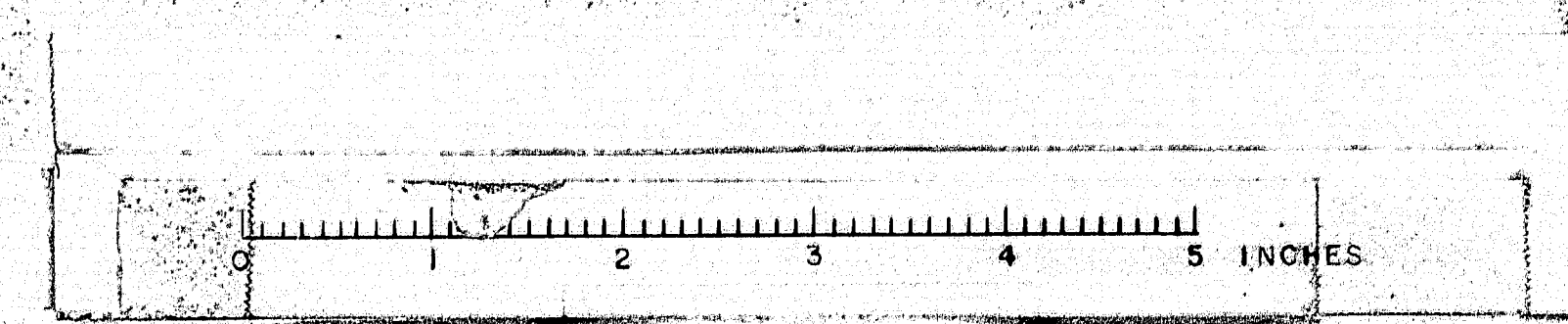
B5-B5

Stiffeners not shown

There shall be No Point on gussets g1, g2 & g3

SPANS 1 TO 5 S.B. & N.B.	
GIRDER SECTIONS	
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-S34

DRAWN	3-1-63 J.P.F.
REVISION	
REVISION	
REVISION	



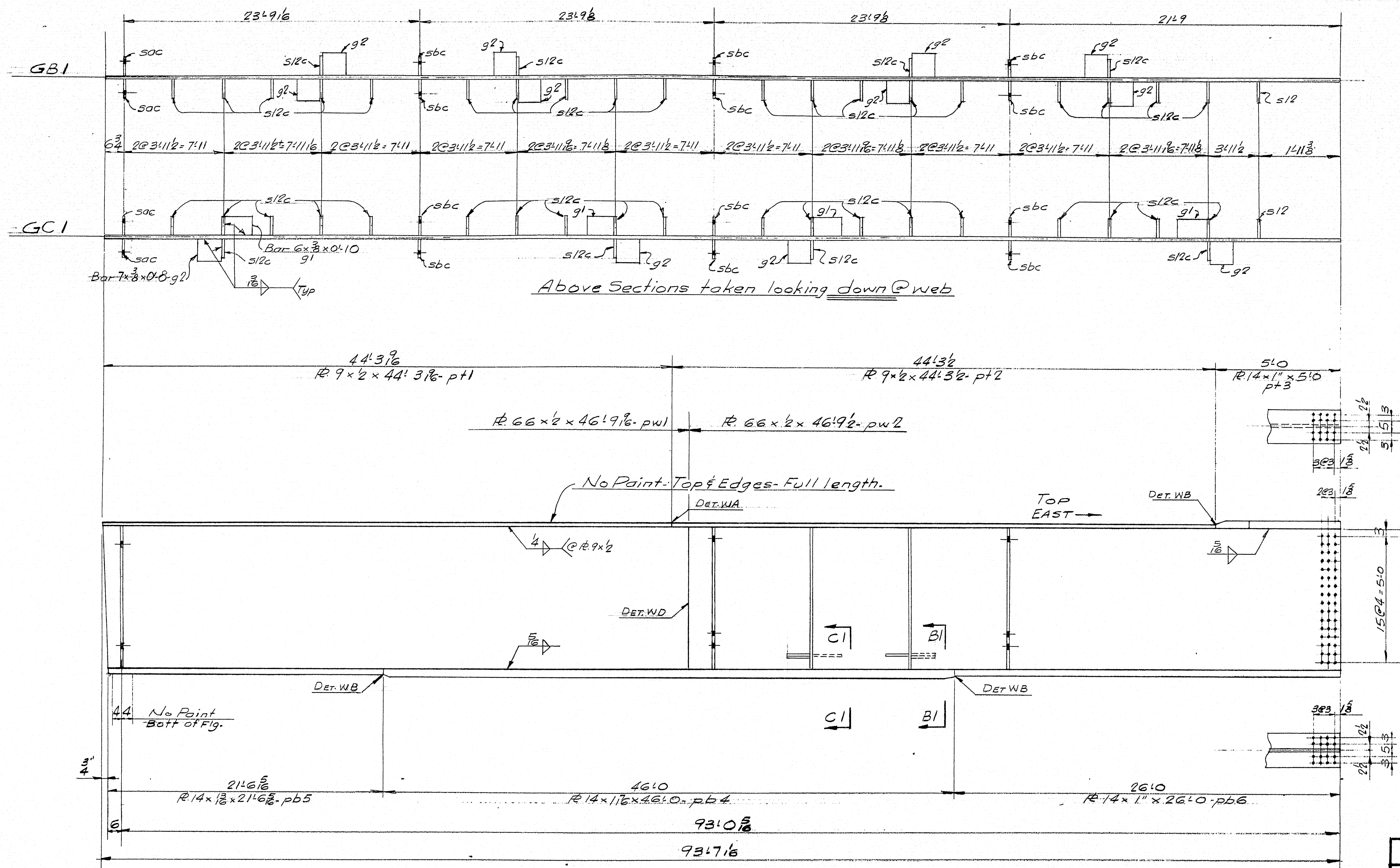












Above Sections taken looking down @ web

No Paint-Top & Edges- Full length.

**SPLICE NOTE**  
 HOLES ARE FOR HIGH TENSILE BOLTS  
 They are to be free from burrs  
 and shall not be painted on any  
 surface within 5" of each open  
 hole.  
 See Note 6 Dwg. E3

GIRDER GBI - ONE REQ'D - As Noted  
GIRDER GC1 - ONE REQ'D - As Noted

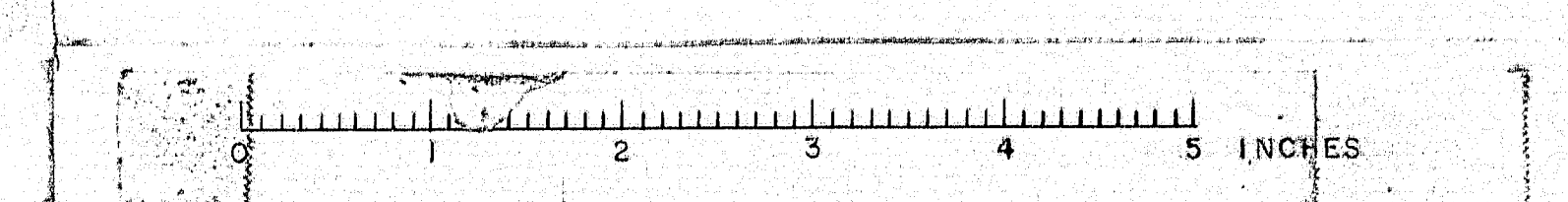
Quantities shown are for One Bridge  
suffix SB to be added to South Bound Girders (Bill of Material 536S)  
do NB do do North Bound do do do 536N

For Welding Details see Dwg. W1.  
 For Camber Diagram see Dwg. S32.  
 For Stiffener Details see Dwg. S33.  
 For Stud Layout see Dwg. S47.  
 For Sections not shown see Dwg. S34.

SPANS 1 TO 5 SB & NB.	
GIRDERS GBI & GC1	
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-S36

DRAWN	2-15-63	JRF
REVISION		
REVISION		
REVISION		

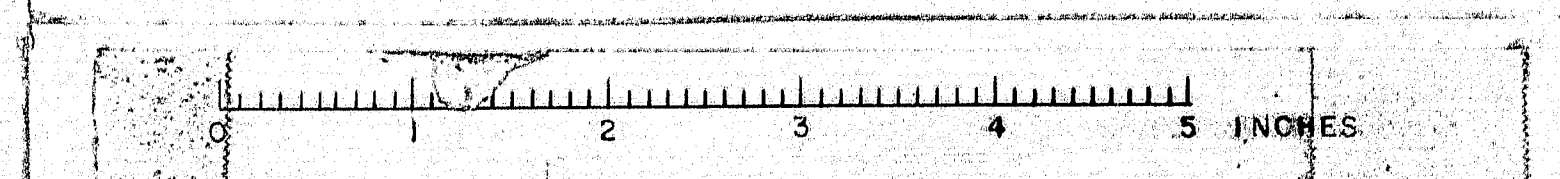
89-140



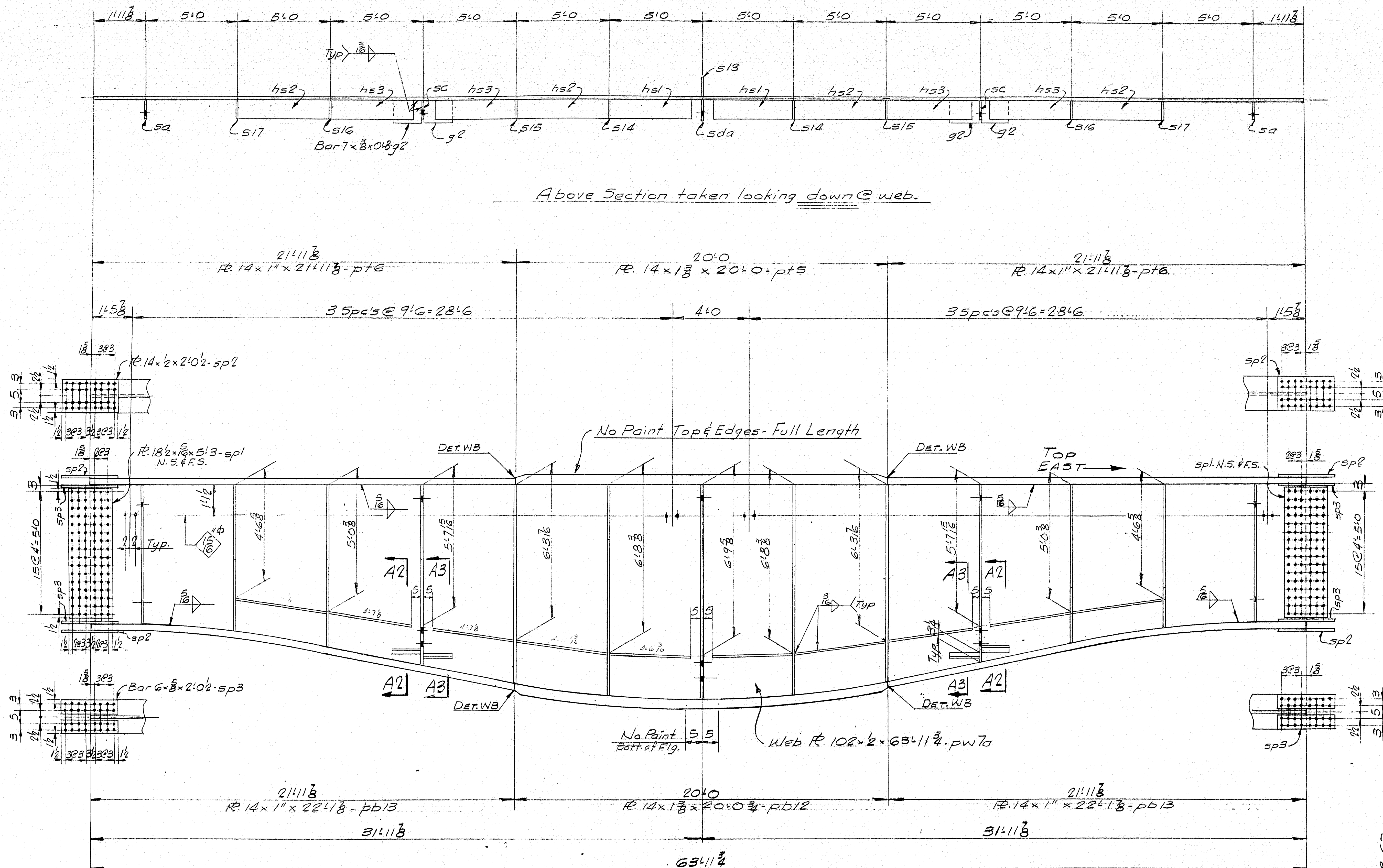


89-140 A

89-140 B







**SPLICE NOTE**  
 HOLES ARE FOR HIGH TENSILE BOLTS  
 They are to be 1/4" from flanges  
 and shall not be painted on any  
 surface within 5" of such open  
 holes.  
 See Note 6 Dwg. E3

- GIRDER HGA1 - ONE REQ'D.
- GIRDER HGA2 - ONE REQ'D.
- GIRDER HGA3 - ONE REQ'D.
- GIRDER HGA4 - ONE REQ'D.

Quantities shown are for One Bridge.  
 Suffix SB to be added to South Bound Girders (Bill of Material S37S)  
 do NB do do North Bound do (do do S37N)

For Welding Details see Dwg. W1.  
 For Camber Diagram see Dwg. S32.  
 For Stiffener Details see Dwg. S33.  
 For Stud Layout see Dwg. S47.  
 For Sections not shown see Dwg. S34.  
 For cutting web R. pw 7a see Dwg. S32A.

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

SPANS 1 TO 5 SB & N.B.
GIRDERS HGA1 - HGA2 HGA3 - HGA4
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. 635-S37



SHIP BILL OF MATERIAL						
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
HGA1	1		GIRDER	63 11 3/4	—	
HGA2	1		Do	63 11 3/4	—	
HGA3	1		Do	63 11 3/4	—	
HGA4	1		Do	63 11 3/4	—	
	4	pw10	R 102x 1/2	63 11 3/4		
	4	pt5	R 14x 1 3/8	20 0		
	8	pt6	R 14x 1"	21 11 3/8		
	4	pb12	R 14x 1 3/8	20 0 3/4		
	8	pb13	R 14x 1"	22 1 3/8		
	4	s13	Bar 6x 1/4	8 6 3/8		
	4	sda	Do	8 6 3/8		
	16	sp1	R 18 1/2 x 5/16	5 3		
	16	sp2	R 14 x 1/2	2 0 1/2		
	32	sp3	Bar 6 x 3/8	2 0 1/2		
	8	sa	Bar 6 x 3/8	5 6		
	8	sc		7 0 1/2		
	8	s14		8 4 1/2		
	8	s15		7 10 1/2		
	8	s16		6 3 1/2		
	8	s17		5 8 1/2		
	8	hs1		4 6 1/2		
	16	hs2		4 11 1/2		
	16	hs3	Bar 6 x 3/8	4 7 3/8		
	16	g2	Bar 7 x 3/8	0 8		
FIELD	800		3" H.S. BOLTS	0 2 3/4		@ Web (768)
Do	540		Do	0 3 3/4		@ Flgs. (512)
Do	2680		7" H.S. HARD 8 WASHERS			
AN Mat. A.S.T.M. Desig. A441 unless noted						
* A.S.T.M. Desig. A7 or A36						
STRUCTURAL STEEL ITEM 702-103B						

For Details see Dwg. 537

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

APP. 3-29-63	SPANS 1 TO 5 S.B.	
	GIRDERS HGA1SB-HGA2SB HGA3SB-HGA4SB	
	Bancroft & Martin Inc. South Portland 7, Maine	
	CLINTON A. CLAUSON, MENT. BRIDGE FAIRFIELD, MAINE	
	CUSTOMER E.C. SNODGRASS INC. DESIGNER MAINE S.H.C. BRIDGE DIV.	
DRAWN	2-26-63 JRF	
REVISION		
REVISION		
REVISION		
ORDER NO. VERBAL	DWG. NO. 63-5-S37S	

89-141 A

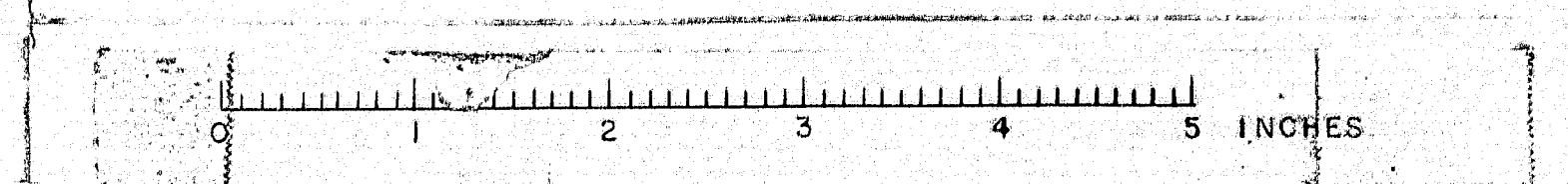
SHIP BILL OF MATERIAL						
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
HGA1	1		GIRDER	63 11 3/4	—	
HGA2	1		Do	63 11 3/4	—	
HGA3	1		Do	63 11 3/4	—	
HGA4	1		Do	63 11 3/4	—	
	4	pw10	R 102x 1/2	63 11 3/4		
	4	pt5	R 14x 1 3/8	20 0		
	8	pt6	R 14x 1"	21 11 3/8		
	4	pb12	R 14x 1 3/8	20 0 3/4		
	8	pb13	R 14x 1"	22 1 3/8		
	4	s13	Bar 6x 1/4	8 6 3/8		
	4	sda	Do	8 6 3/8		
	16	sp1	R 18 1/2 x 5/16	5 3		
	16	sp2	R 14 x 1/2	2 0 1/2		
	32	sp3	Bar 6 x 3/8	2 0 1/2		
	8	sa	Bar 6 x 3/8	5 6		
	8	sc		7 0 1/2		
	8	s14		8 4 1/2		
	8	s15		7 10 1/2		
	8	s16		6 3 1/2		
	8	s17		5 8 1/2		
	8	hs1		4 6 1/2		
	16	hs2		4 11 1/2		
	16	hs3	Bar 6 x 3/8	4 7 3/8		
	16	g2	Bar 7 x 3/8	0 8		
FIELD	800		3" H.S. BOLTS	0 2 3/4		@ Web (768)
Do	540		Do	0 3 3/4		@ Flgs. (512)
Do	2680		7" H.S. HARD 8 WASHERS			
AN Mat. A.S.T.M. Desig. A441 unless noted						
* A.S.T.M. Desig. A7 or A36						
STRUCTURAL STEEL ITEM 702-103B						

For Details see Dwg. 537

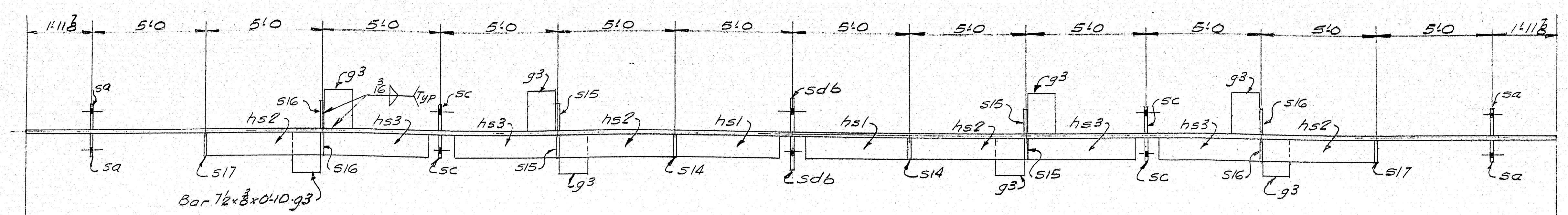
SHOP CONNECTIONS: Welded  
FIELD CONNECTIONS: Welded - Bolted  
HOLES: 1/8" & as noted  
PAINT: Per Maine Specs & as noted.

APP. 3-29-63	SPANS 1 TO 5 N.B.	
	GIRDERS HGA1NB-HGA2NB HGA3NB-HGA4NB	
	Bancroft & Martin Inc. South Portland 7, Maine	
	CLINTON A. CLAUSON, MENT. BRIDGE FAIRFIELD, MAINE	
	CUSTOMER E.C. SNODGRASS INC. DESIGNER MAINE S.H.C. BRIDGE DIV.	
DRAWN	2-26-63 JRF	
REVISION		
REVISION		
REVISION		
ORDER NO. VERBAL	DWG. NO. 63-5-S37N	

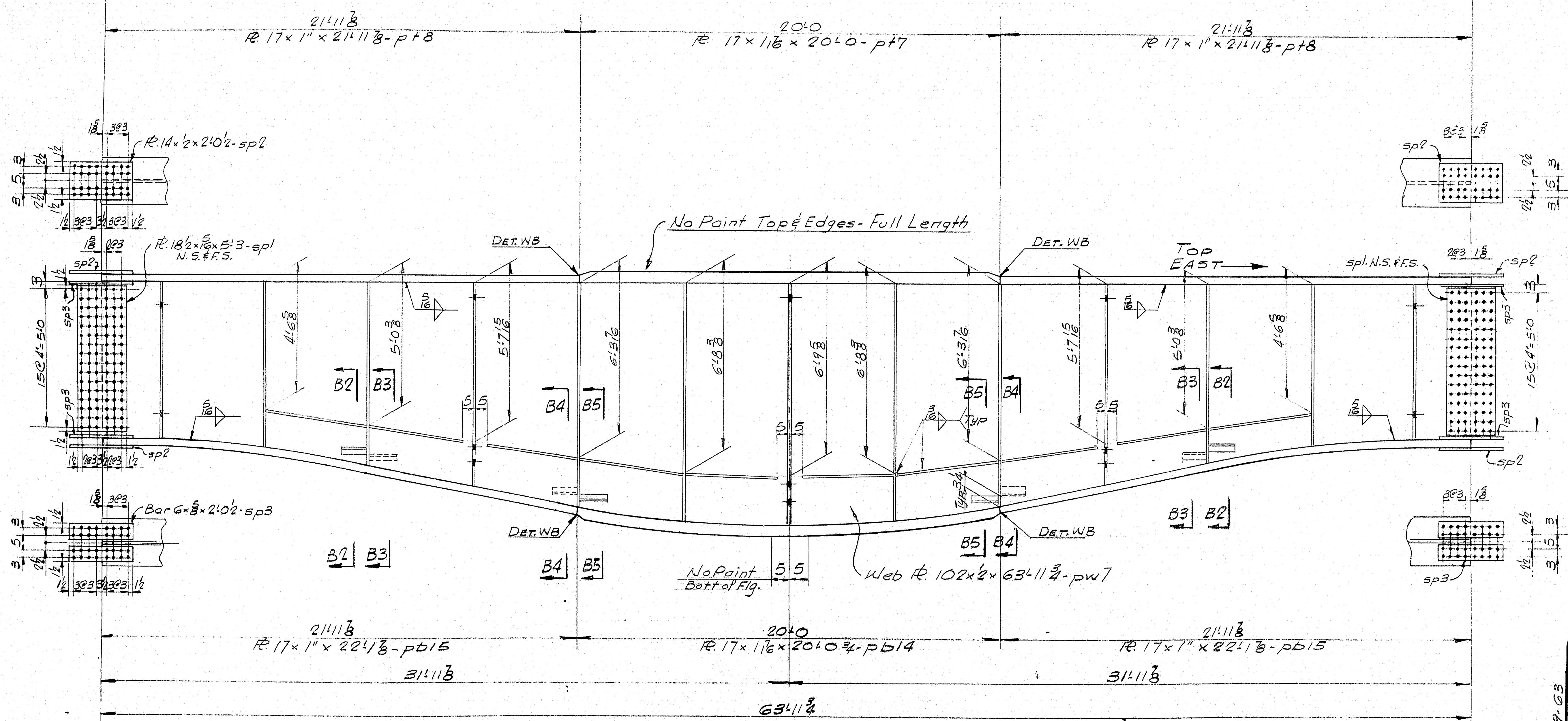
89-141 B







Above Section taken looking down @ web.



**SPLICE NOTE**  
 HOLES ARE FOR BARS 1" DIA. 1/2" THICK.  
 THEY ARE TO BE CUT FROM BARS  
 AND NOT BE DRILLED OR ANY  
 OTHER METHOD WITHIN 5" OF EACH END  
 OF BAR.  
 See Note 6 Dwg. E3

- GIRDER HGB1-ONE REQ'D.
- GIRDER HGB2-ONE REQ'D.
- GIRDER HGB3-ONE REQ'D.
- GIRDER HGB4-ONE REQ'D.

Quantities shown are for One Bridge.  
 Suffix SB to be added to South Bound Girders (Bill of Material S38S)  
 do NB do do North Bound do (do do S38N)

For Welding Details see Dwg. W1.  
 For Camber Diagram see Dwg. S32.  
 For Stiffener Details see Dwg. S33.  
 For Stud Layout see Dwg. S47.  
 For Sections not shown see Dwg. S34.  
 For cutting web R. pw 7 see Dwg. S32A.

APP. 3-29-63	SPANS 1 TO 5 SB & NB.	
	GIRDERS HGB1-HGB2	
	HGB3-HGB4	
	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. 635-S38

DRAWN	2-26-63 J.P.F.
REVISION	
REVISION	
REVISION	



















SHIP BILL OF MATERIAL DWG. NO. 63-5-S40S						
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
HGD1	1		GIRDER	63 11 3/4	—	
HGD2	1		Do	63 11 3/4	—	
HGD3	1		Do	63 11 3/4	—	
HGD4	1		Do	63 11 3/4	—	
	4	pt10	R 102 x 1/2	63 11 3/4		
	4	pt5	R 14 x 1 3/8	20 0		
	8	pt6	R 14 x 1"	21 11 3/8		
	4	pb12	R 14 x 1 3/8	20 0 3/4		
	8	pb13	R 14 x 1"	22 1 3/8		
	4	s13	Bar 6 x 1/4	8 6 3/8		
	4	sda	Do	8 6 3/8		
	16	sp1	R 18 1/2 x 5/16	5 3		
	16	sp2	R 14 x 1/2	2 0 1/2		
	32	sp3	Bar 6 x 3/8	2 0 1/2		
	8	sa	Bar 6 x 3/8	5 6		
	8	sc		7 0 1/2		
	8	s14		8 4 1/2		
	8	s15		7 10 3/8		
	8	s16		6 3 1/2		
	8	s17		5 8 1/2		
	8	hs1		4 6 3/8		
	16	hs2		4 11 1/2		
	16	hs3		4 7 1/8		
	8	g1	Bar 6 x 3/8	0 10		
	16	g2	Bar 7 x 3/8	0 8		
FIELD	800		7" H.S. BOLTS	0 2 3/4		@Web (768)
Do	540		Do	0 3 3/4		@Flg's (512)
Do	2680		2" H.S. HARD 8 WASHERS			
All Mat. A.S.T.M. Desig. A441 unless noted						
* A.S.T.M. Desig. A7 or A36						
STRUCTURAL STEEL ITEM 702-103B						

For Details see Dwg. 540

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

APP. 3-29-63	SPANS 1 TO 5 S.B.	
	GIRDERS HGD15B-HGD25B HGD35B-HGD45B	
	Bancroft & Martin Inc. South Portland 7, Maine	
	CLINTON A. CLAUSON MENT. BRIDGE FAIRFIELD, MAINE	
	CUSTOMER E.C. SNODGRASS INC. DESIGNER MAINE S.H.C. BRIDGE DIV.	
DRAWN	2-27-63 J.P.R.	
REVISION		
REVISION		
REVISION		
ORDER NO.	VERBAL	DWG. NO. 63-5-S40S

89-144 A

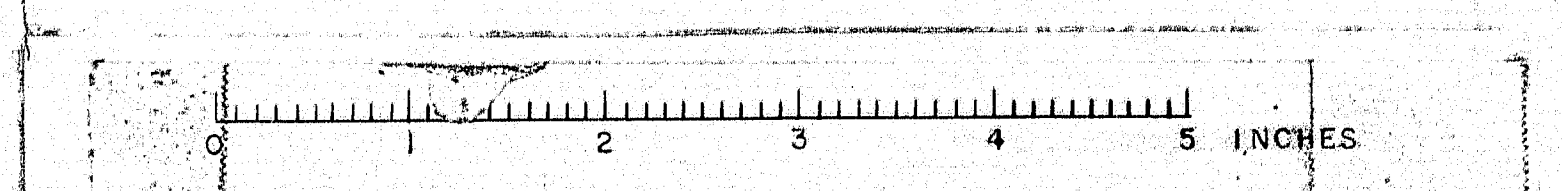
SHIP BILL OF MATERIAL DWG. NO. 63-5-S40N						
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
HGD1	1		GIRDER	63 11 3/4	—	
HGD2	1		Do	63 11 3/4	—	
HGD3	1		Do	63 11 3/4	—	
HGD4	1		Do	63 11 3/4	—	
	4	pt10	R 102 x 1/2	63 11 3/4		
	4	pt5	R 14 x 1 3/8	20 0		
	8	pt6	R 14 x 1"	21 11 3/8		
	4	pb12	R 14 x 1 3/8	20 0 3/4		
	8	pb13	R 14 x 1"	22 1 3/8		
	4	s13	Bar 6 x 1/4	8 6 3/8		
	4	sda	Do	8 6 3/8		
	16	sp1	R 18 1/2 x 5/16	5 3		
	16	sp2	R 14 x 1/2	2 0 1/2		
	32	sp3	Bar 6 x 3/8	2 0 1/2		
	8	sa	Bar 6 x 3/8	5 6		
	8	sc		7 0 1/2		
	8	s14		8 4 1/2		
	8	s15		7 10 3/8		
	8	s16		6 3 1/2		
	8	s17		5 8 1/2		
	8	hs1		4 6 3/8		
	16	hs2		4 11 1/2		
	16	hs3		4 7 1/8		
	8	g1	Bar 6 x 3/8	0 10		
	16	g2	Bar 7 x 3/8	0 8		
FIELD	800		7" H.S. BOLTS	0 2 3/4		@Web (768)
Do	540		Do	0 3 3/4		@Flg's (512)
Do	2680		2" H.S. HARD 8 WASHERS			
All Mat. A.S.T.M. Desig. A441 unless noted						
* A.S.T.M. Desig. A7 or A36						
STRUCTURAL STEEL ITEM 702-103B						

For Details see Dwg. 540

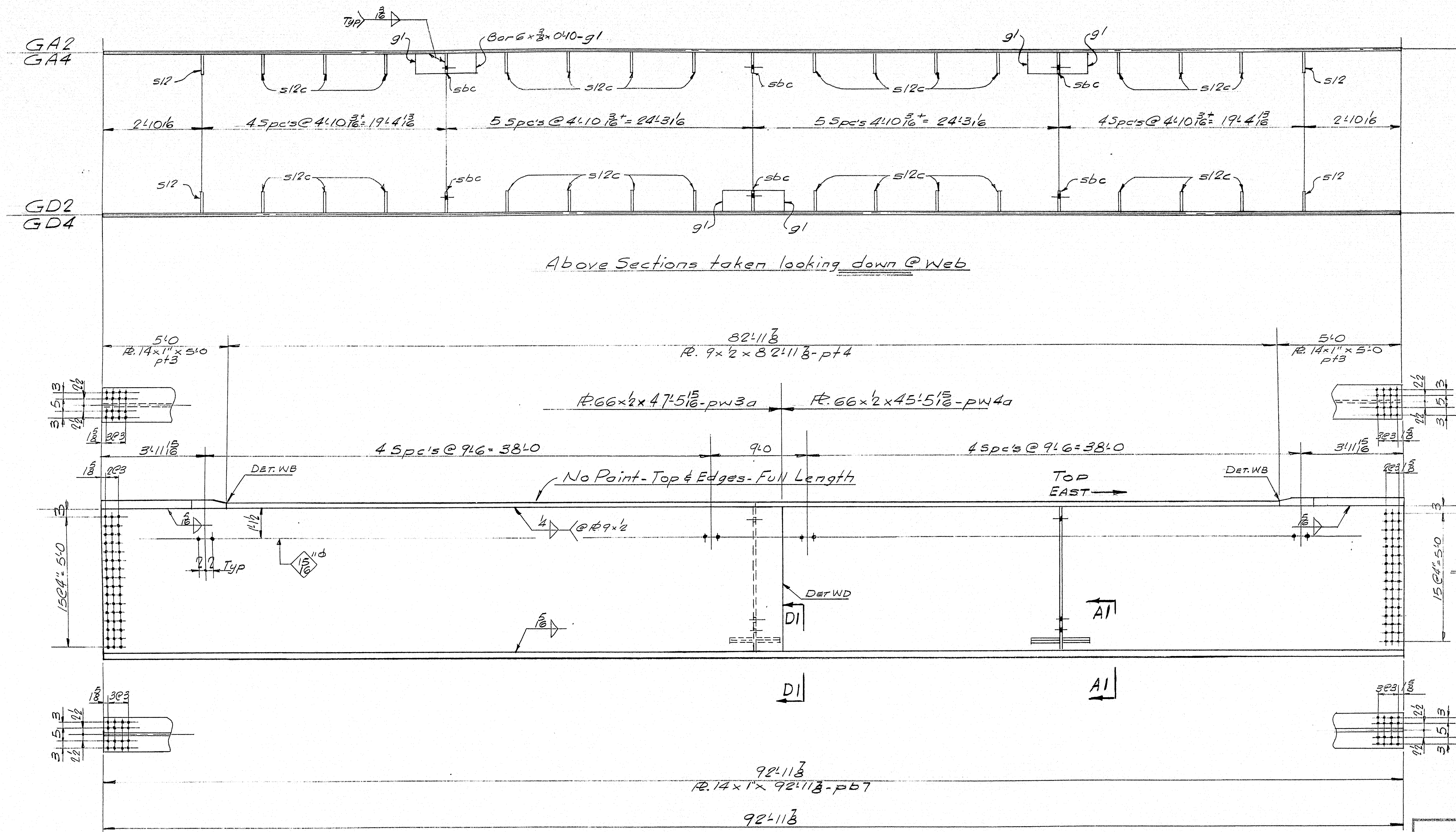
SHOP CONNECTIONS: Welded  
FIELD CONNECTIONS: Welded - Bolted  
HOLES: 1/8" & as noted  
PAINT: Per Maine Specs & as noted.

APP. 3-29-63	SPANS 1 TO 5 N.B.	
	GIRDERS HGD1NB-HGD2NB HGD3NB-HGD4NB	
	Bancroft & Martin Inc. South Portland 7, Maine	
	CLINTON A. CLAUSON MENT. BRIDGE FAIRFIELD, MAINE	
	CUSTOMER E.C. SNODGRASS INC. DESIGNER MAINE S.H.C. BRIDGE DIV.	
DRAWN	2-27-63 J.P.R.	
REVISION		
REVISION		
REVISION		
ORDER NO.	VERBAL	DWG. NO. 63-5-S40N

89-144 B







**SPlice Note**  
 HOLES ARE FOR HIGH TENSILE BOLTS  
 They are to be free from burrs  
 and shall not be painted on any  
 surface within 5" of such open  
 holes  
 See Note 6 Dwg E3

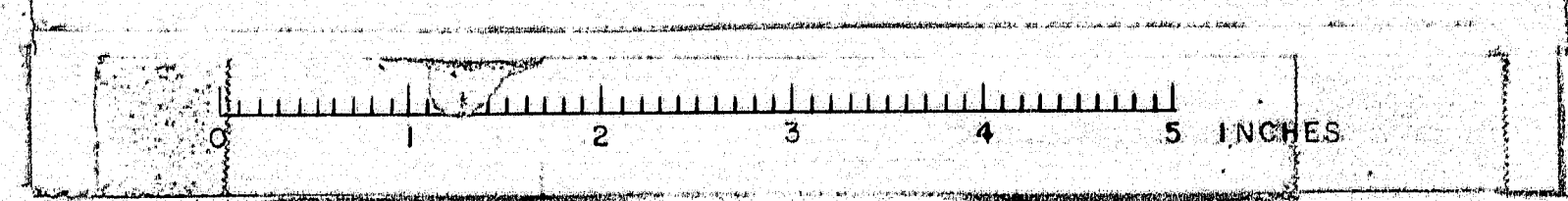
GIRDER GA2 - ONE REQ'D - As Noted  
GIRDER GD2 - ONE REQ'D - As Noted  
GIRDER GA4 - ONE REQ'D - As Noted  
GIRDER GD4 - ONE REQ'D - As Noted

Quantities shown are for One Bridge  
Suffix SB to be added to South Bound Girders (Bill of Material S41 S)  
do NB do do North Bound do (do do S41 N)

For Welding Details see Dwg. W1.  
 For Camber Diagram see Dwg. 532.  
 For Stiffener Details see Dwg. 533.  
 For Stud Layout see Dwg. 547.  
 For Sections not shown see Dwg. 534.

SPANS 1 to 5 SB & N.B.	
GIRDERS GA2 & GD2 GA4 & GD4	
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-S41

DRAWN	2/4/63 J.P.F.
REVISION	
REVISION	
REVISION	







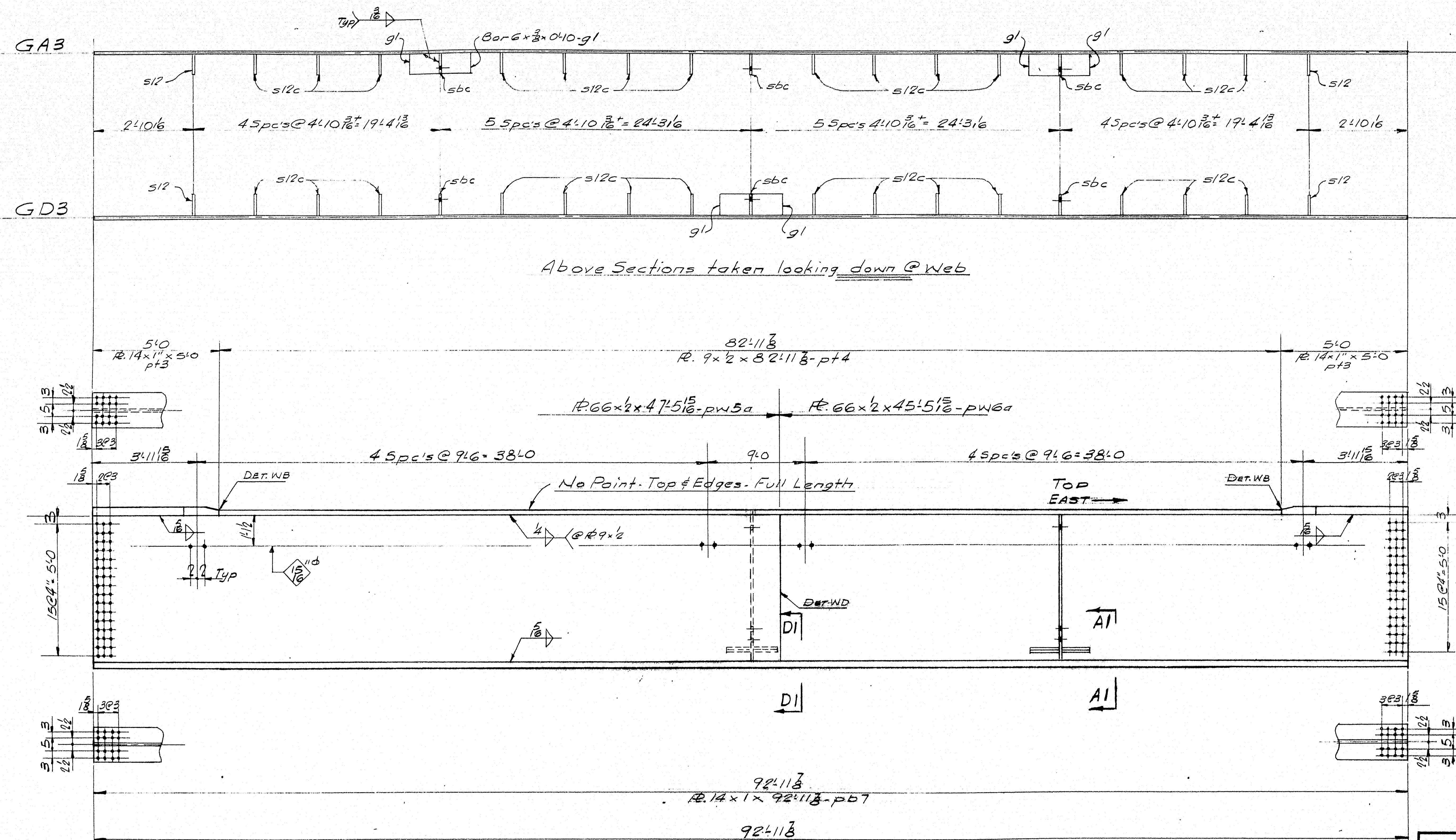












GIRDER GA3 - ONE REQ'D - As Noted

GIRDER GD3 - ONE REQ'D - As Noted

Quantities shown are for One Bridge

Suffix SB to be added to South Bound Girders (Bill of Material S43S)  
do NB do do North Bound do do do S43N

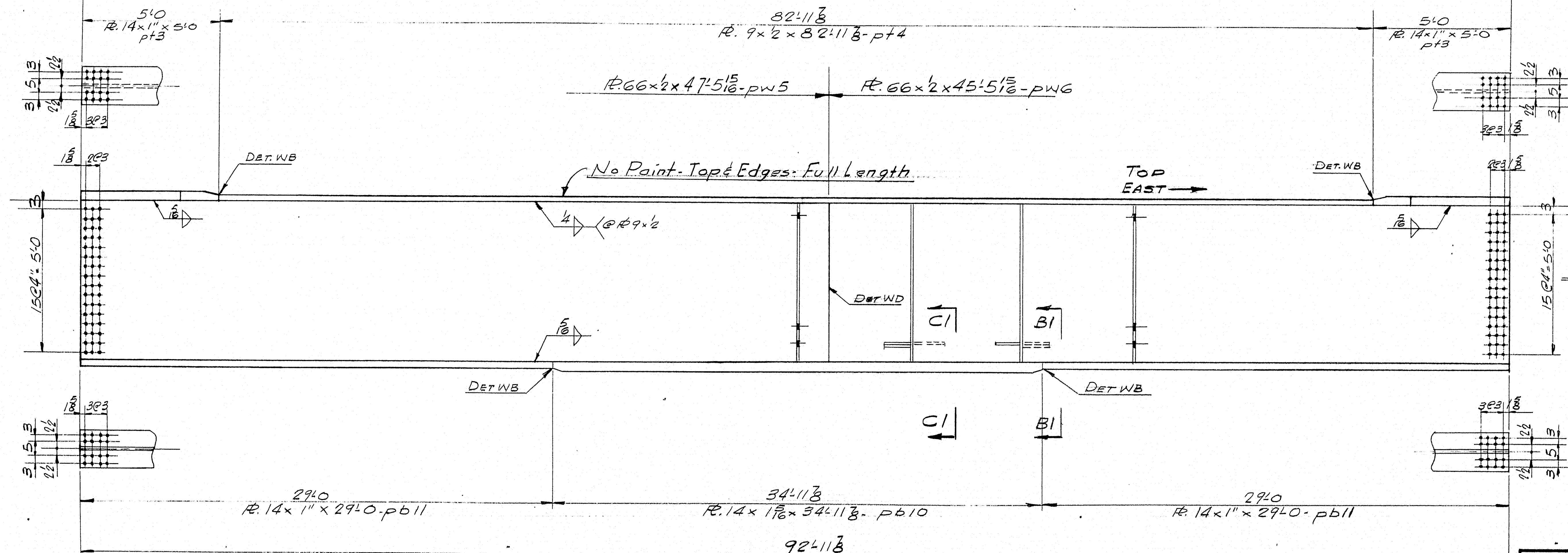
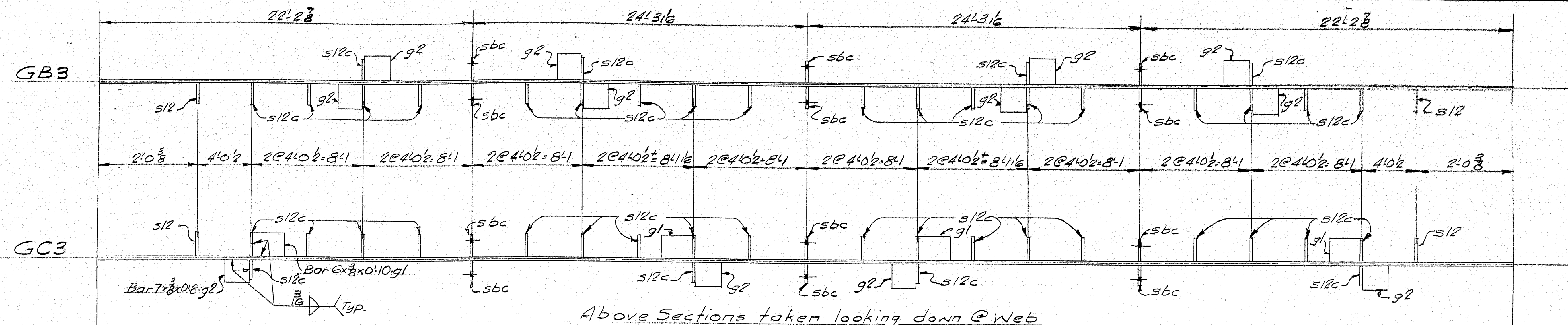
For Welding Details see Dwg. W1.  
For Camber Diagram see Dwg. S32.  
For Stiffener Details see Dwg. S33.  
For Stud Layout see Dwg. S47.  
For Sections not shown see Dwg. S34.

SPANS 1 TO 5 SB & NB
GIRDERS GA3 & GD3
Bancroft & Martin Rolling Mills Company South Portland 1, 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-S43









**SPRICE NOTE**

HOLES ARE FOR HIGH TENSILE BOLTS  
They are to be free from burrs  
and shall not be painted on any  
surface within 5" of such open  
holes  
See Note 6 Dwg E3

GIRDER GB3 - ONE REQ'D - As Noted

GIRDER GC3 - ONE REQ'D - As Noted

Quantities shown are for One Bridge

Suffix SB to be added to South Bound Girders (Bill of Material S44S)

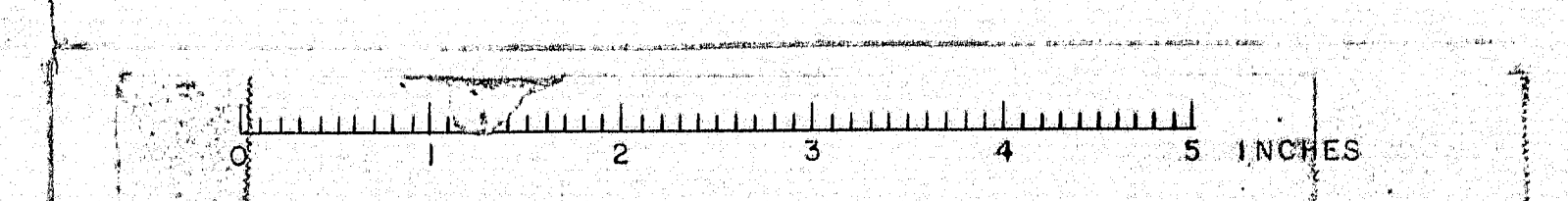
do NB do do North Bound do do do S44N

For Welding Details see Dwg. W1.  
For Camber Diagram see Dwg. S32.  
For Stiffener Details see Dwg. S33.  
For Stud Layout see Dwg. S47.  
For Sections not shown see Dwg. S34.

SPANS 1 TO 5 S.B. & N.B.	
GIRDERS GB3 & GC3	
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. 89-5-S44

DRAWN	2-20-63 J.R.F.
REVISION	
REVISION	
REVISION	

89-148













SHIP		BILL OF MATERIAL				DWG. NO. 63-5-S45S
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
GA55B	1		GIRDER	93 9 1/2	—	
GD55B	1		Do	93 9 1/2	—	
	2	pw8a	R 66 x 1/2	46 10 3/4		
	2	pw9a	Do	46 10 3/4		
	2	pt3	R 14 x 1"	5 0		
	2	pt9	R 9 x 1/2	44 4 3/4		
	2	pt10	Do	44 4 3/4		
	2	pb16	R 14 x 1/8	32 0		
	2	pb17	R 14 x 3/8	23 9 1/2		
	2	pb18	R 14 x 1"	38 0		
	2	s11	Bar 6 x 3/8	5 6 1/2		
	2	sac	Do	5 6 1/2		
	6	sbc	Bar 6 x 3/8	5 6		
	2	s12	Do	5 6		
	30	s12c	Do	5 6		
	7	g1	Do	0 10		
AN Mat. A.S.T.M. Desig. A441 unless noted						
* A.S.T.M. Desig. A7 or A36						
STRUCTURAL STEEL ITEM 702-103B						

For Details see Dwg. S45

SHOP CONNECTIONS: Welded  
FIELD CONNECTIONS: Welded - Bolted  
HOLES: 1/8"  $\phi$  & as noted  
PAINT: Per Maine Specs & as noted.

APP. 5-29-63	SPANS 1 TO 5 S.B.		
	GIRDERS GA55B & GD55B		
	Bancroft & Martin Inc. South Portland 7, Maine		
	CLINTON A. CLAUSON, MGMT. BRIDGE FAIRFIELD, MAINE		
	CUSTOMER E.C. SNODGRASS INC. DESIGNER MAINE S.H.C. BRIDGE DIV.		
DRAWN 3-4-63 J.R.F.		ORDER NO. VERBAL	DWG. NO. 63-5-S45S

89-149 A

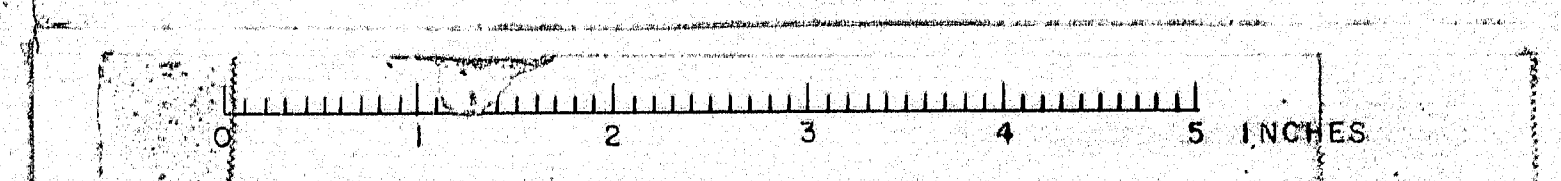
SHIP		BILL OF MATERIAL				DWG. NO. 63-5-S45N
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
GA5NB	1		GIRDER	93 9 1/2	—	
GD5NB	1		Do	93 9 1/2	—	
	2	pw8a	R 66 x 1/2	46 10 3/4		
	2	pw9a	Do	46 10 3/4		
	2	pt3	R 14 x 1"	5 0		
	2	pt9	R 9 x 1/2	44 4 3/4		
	2	pt10	Do	44 4 3/4		
	2	pb16	R 14 x 1/8	32 0		
	2	pb17	R 14 x 3/8	23 9 1/2		
	2	pb18	R 14 x 1"	38 0		
	2	s11	Bar 6 x 3/8	5 6 1/2		
	2	sac	Do	5 6 1/2		
	6	sbc	Bar 6 x 3/8	5 6		
	2	s12	Do	5 6		
	30	s12c	Do	5 6		
	7	g1	Do	0 10		
AN Mat. A.S.T.M. Desig. A441 unless noted						
* A.S.T.M. Desig. A7 or A36						
STRUCTURAL STEEL ITEM 702-103B						

For Details see Dwg. S45

SHOP CONNECTIONS: Welded  
FIELD CONNECTIONS: Welded - Bolted  
HOLES: 1/8"  $\phi$  & as noted  
PAINT: Per Maine Specs & as noted.

APP. 5-29-63	SPANS 1 TO 5 N.B.		
	GIRDERS GA5NB & GD5NB		
	Bancroft & Martin Inc. South Portland 7, Maine		
	CLINTON A. CLAUSON, MGMT. BRIDGE FAIRFIELD, MAINE		
	CUSTOMER E.C. SNODGRASS INC. DESIGNER MAINE S.H.C. BRIDGE DIV.		
DRAWN 3-4-63 J.R.F.		ORDER NO. VERBAL	DWG. NO. 63-5-S45N

89-149 B









SHIP		BILL OF MATERIAL				DWG. NO. 63-5-S46S
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
GB5SB	1		GIRDER	93 7 1/2	—	
GC5SB	1		Do	93 7 1/2	—	
	2	PWB	R66x 1/2	46 10 3/4		
	2	PW9	Do	46 10 3/4		
	2	pt3	R 14x1"	5 0		
	2	pt9	R 9x 1/2	44 4 3/4		
	2	pt10	Do	44 4 1/2		
	2	pb19	R 14x1 1/2	46 0		
	2	pb20	R 14x 1 1/2	21 9 1/6		
	2	pb21	R 14x1"	26 0		
	4	soc	Bar 6x 3/8	5 6 1/2		
	12	sbc	Bar 6x 3/8	5 6		
	2	s12	Do	5 6		
	46	s12c	Do	5 6		
	4	g1	Do	0 10		
	12	g2	Bar 7x 3/8	0 8		
AN Mat. A.S.T.M. Desig. A441 unless noted						
* A.S.T.M. Desig. A7 or A36						
STRUCTURAL STEEL ITEM 702.103B						

For Details see Dwg. 546

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

SPANS 1 TO 5 S.B.

GIRDERS GB5SB & GC5SB

Bancroft & Martin Inc.  
South Portland 7, Maine

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-S46S

DRAWN	3-4-63 JRF
REVISION	
REVISION	
REVISION	

89-150 A

SHIP		BILL OF MATERIAL				DWG. NO. 63-5-S46N
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
GB5NB	1		GIRDER	93 7 1/2	—	
GC5NB	1		Do	93 7 1/2	—	
	2	PWB	R66x 1/2	46 10 3/4		
	2	PW9	Do	46 10 3/4		
	2	pt3	R 14x1"	5 0		
	2	pt9	R 9x 1/2	44 4 3/4		
	2	pt10	Do	44 4 1/2		
	2	pb19	R 14x1 1/2	46 0		
	2	pb20	R 14x 1 1/2	21 9 1/6		
	2	pb21	R 14x1"	26 0		
	4	soc	Bar 6x 3/8	5 6 1/2		
	12	sbc	Bar 6x 3/8	5 6		
	2	s12	Do	5 6		
	46	s12c	Do	5 6		
	4	g1	Do	0 10		
	12	g2	Bar 7x 3/8	0 8		
AN Mat. A.S.T.M. Desig. A441 unless noted						
* A.S.T.M. Desig. A7 or A36						
STRUCTURAL STEEL ITEM 702.103B						

For Details see Dwg. 546

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

SPANS 1 TO 5 N.B.

GIRDERS GB5NB & GC5NB

Bancroft & Martin Inc.  
South Portland 7, Maine

CLINTON A. CLAUSON MENT. BRIDGE  
FAIRFIELD, MAINE

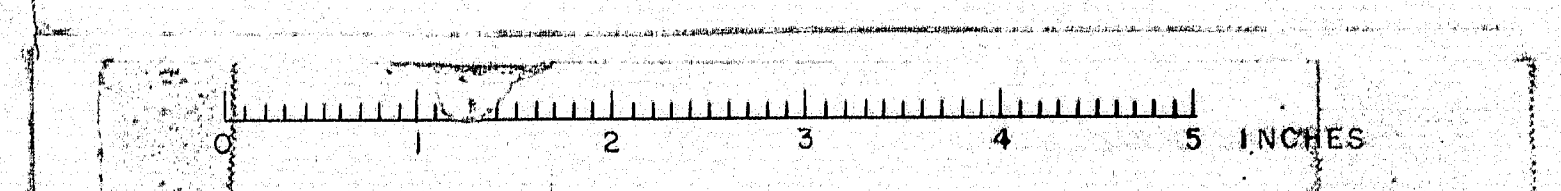
CUSTOMER E.G. SNODGRASS INC.

DESIGNER MAINE S.H.C. BRIDGE DIV.

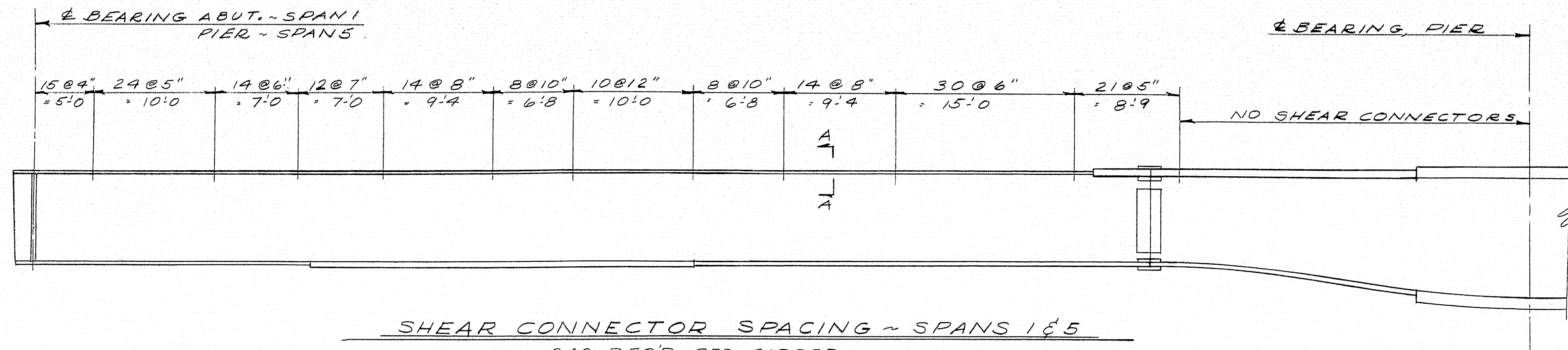
ORDER NO. VERBAL DWG. NO. 63-5-S46N

DRAWN	3-4-63 JRF
REVISION	
REVISION	
REVISION	

89-150 B

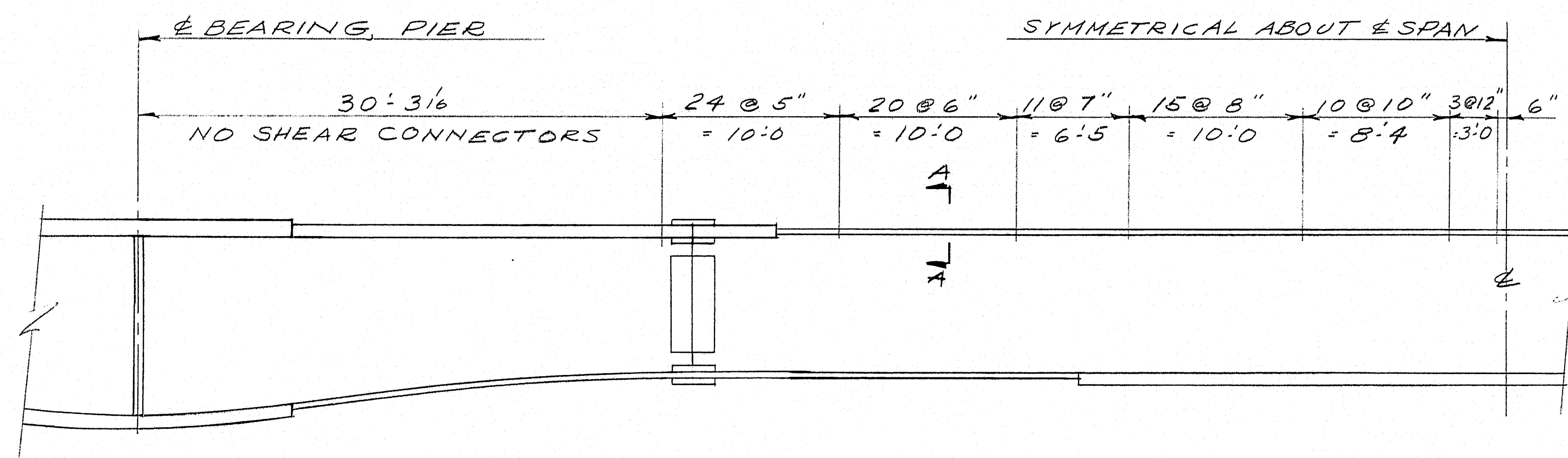






#### SHEAR CONNECTOR SPACING ~ SPANS 1 & 5

342 REQ'D. PER GIRDER  
2,736 TOTAL REQ'D. FOR N.B.  
2,736 TOTAL REQ'D. FOR S.B.

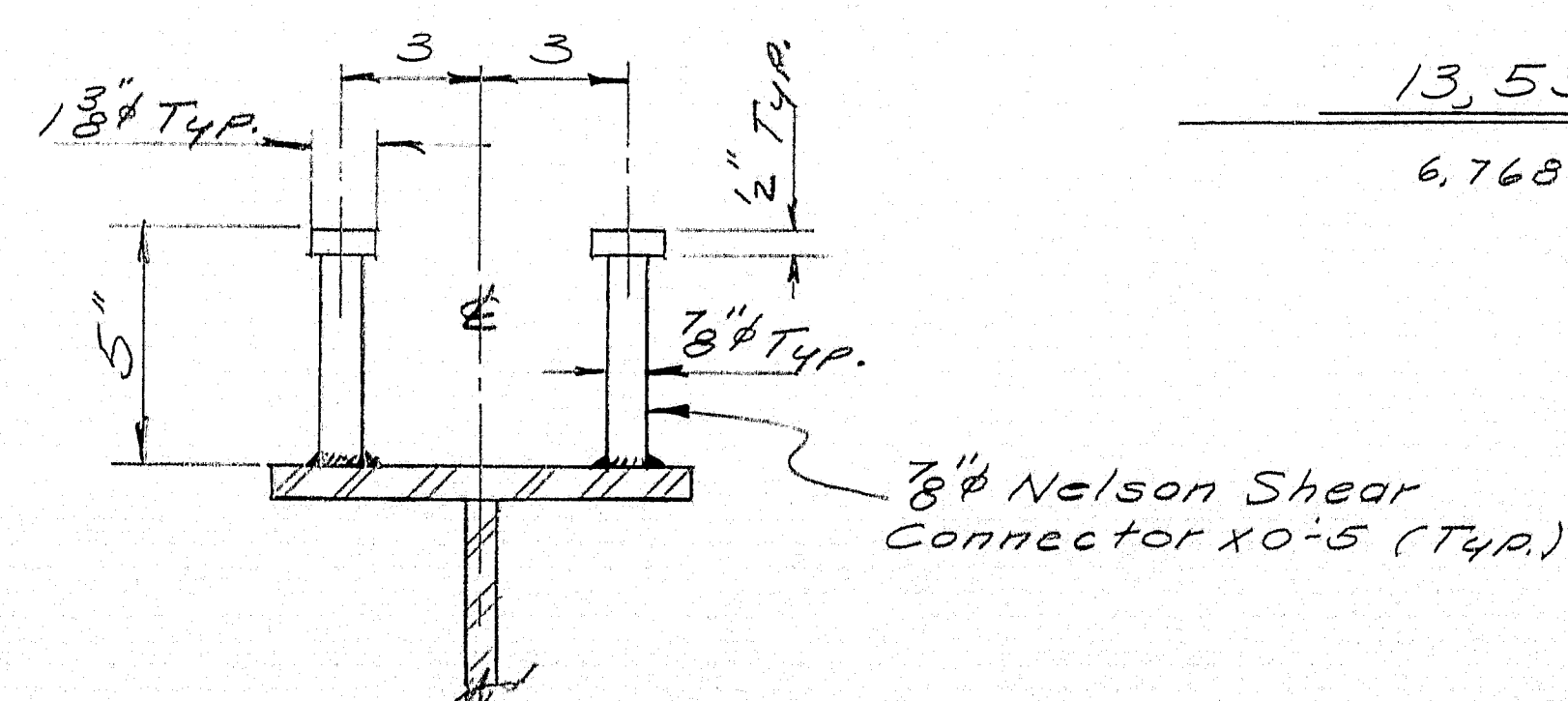


#### SHEAR CONNECTOR SPACING ~ SPANS 2, 3 & 4

336 REQ'D. PER GIRDER  
4,032 TOTAL REQ'D. FOR N.B.  
4,032 TOTAL REQ'D. FOR S.B.

13,536 SHEAR CONNECTORS

6,768 N.B. — — — — — 6,768 S.B.



SECTION A-A

#### NOTE:

DITCH MAY BE REVISED SLIGHTLY  
@ FLANGE BUTT WELD,  
PITCH & TRANSVERSE SPACING MAY  
BE REVISED SLIGHTLY @ GIRDER  
FIELD SPLICES TO CLEAR H.T. BOLTS.

SHIP		BILL OF MATERIAL				DWG. NO. 63-5-547
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
NORTH BOUND						
6768			7/8" Shear Conn.	0 5		Nelson Shear Conn.
SOUTH BOUND						
6768			7/8" Shear Conn.	0 5		Nelson Shear Conn.
ITEM NO. 705-17						

SHOP CONNECTIONS: WELDED  
FIELD CONNECTIONS:  
HOLES:  
PAINT: NO PAINT

#### STUD LAYOUT DETAILS

Rancroft & Martin Inc.  
South Portland, Maine

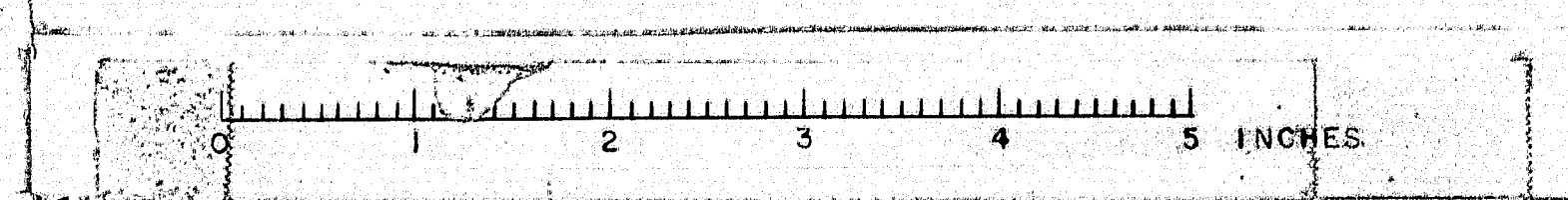
CLINTON A. CLAUSON MEM. BRIDGE  
FAIRFIELD, MAINE

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

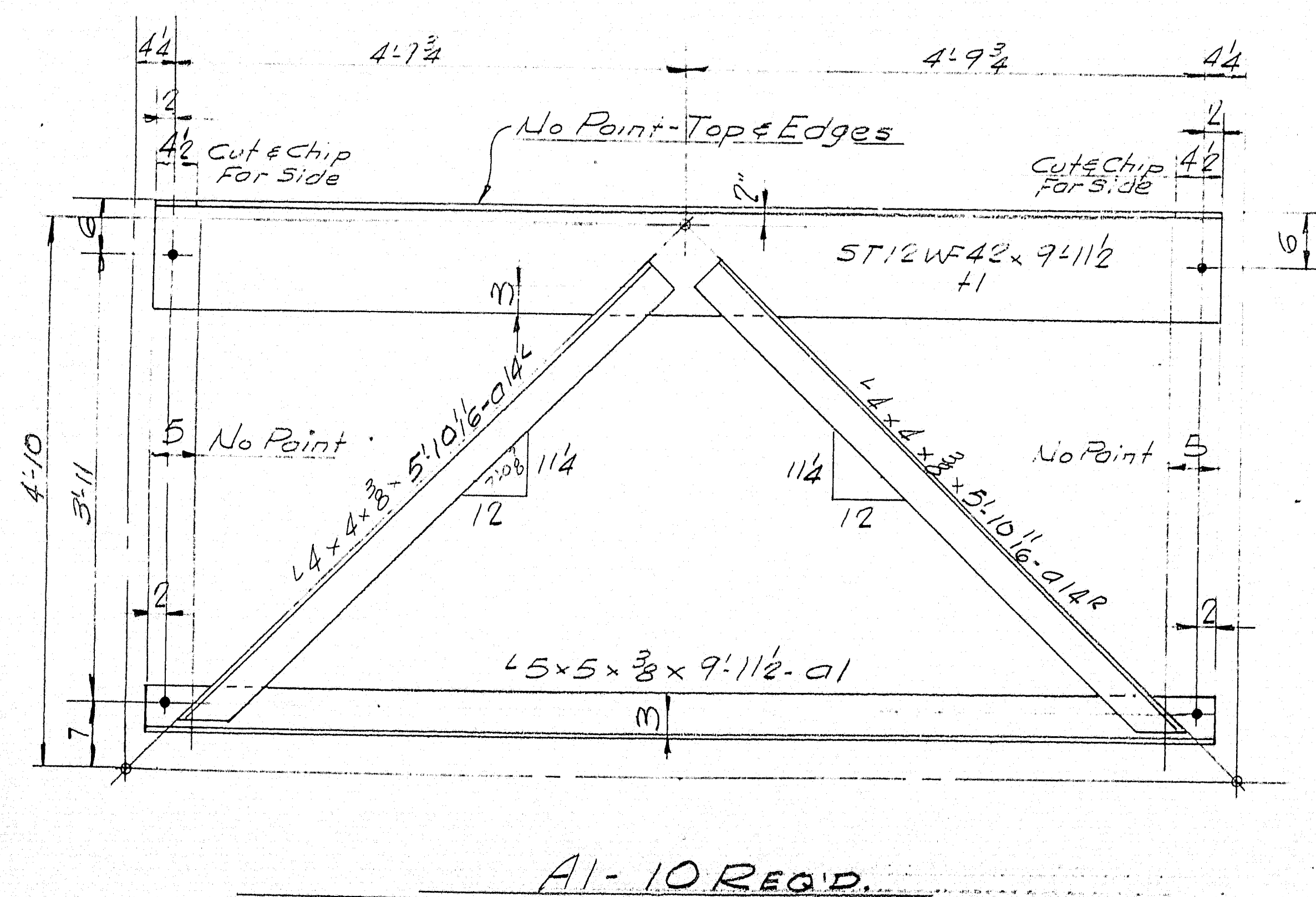
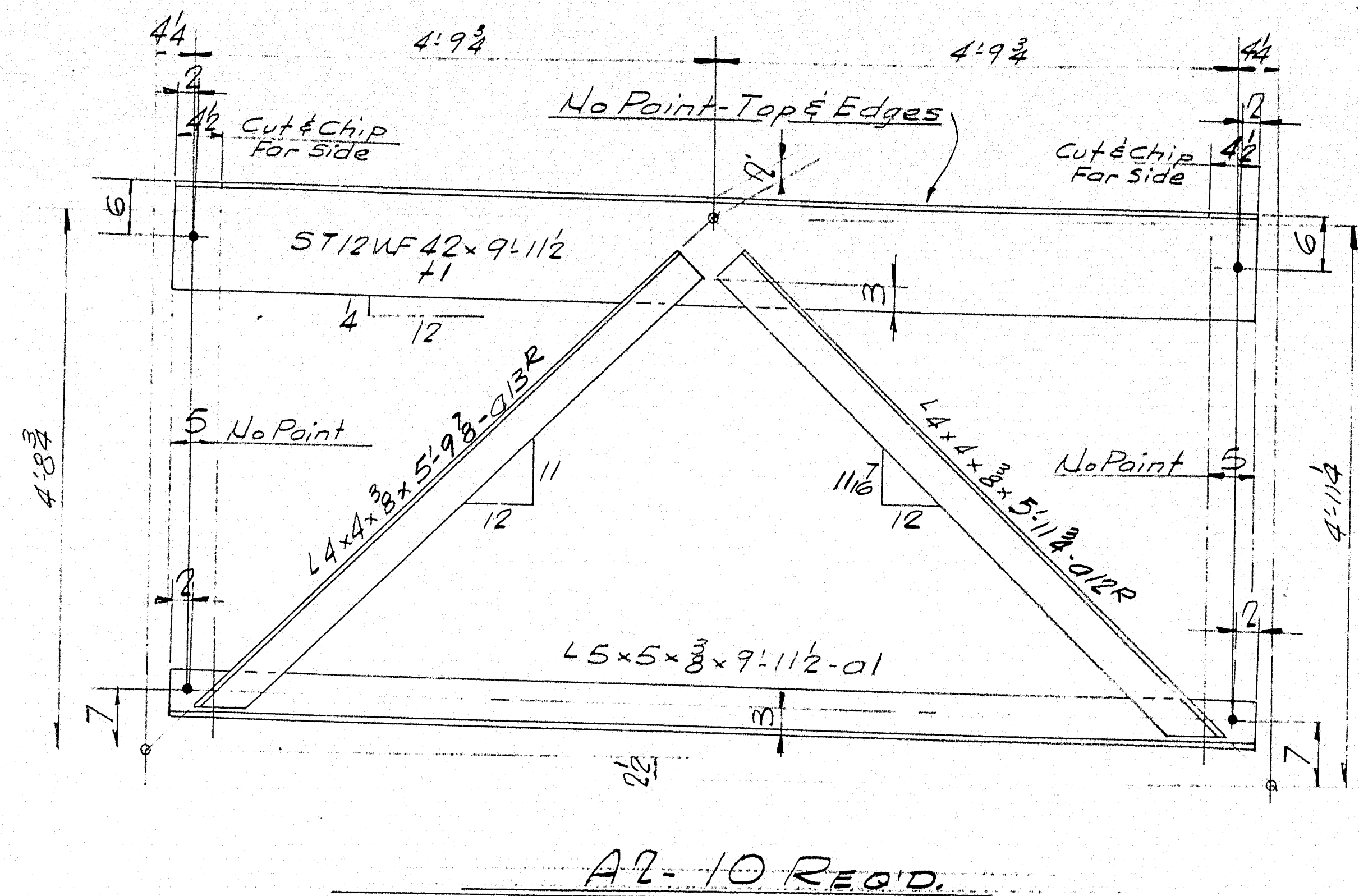
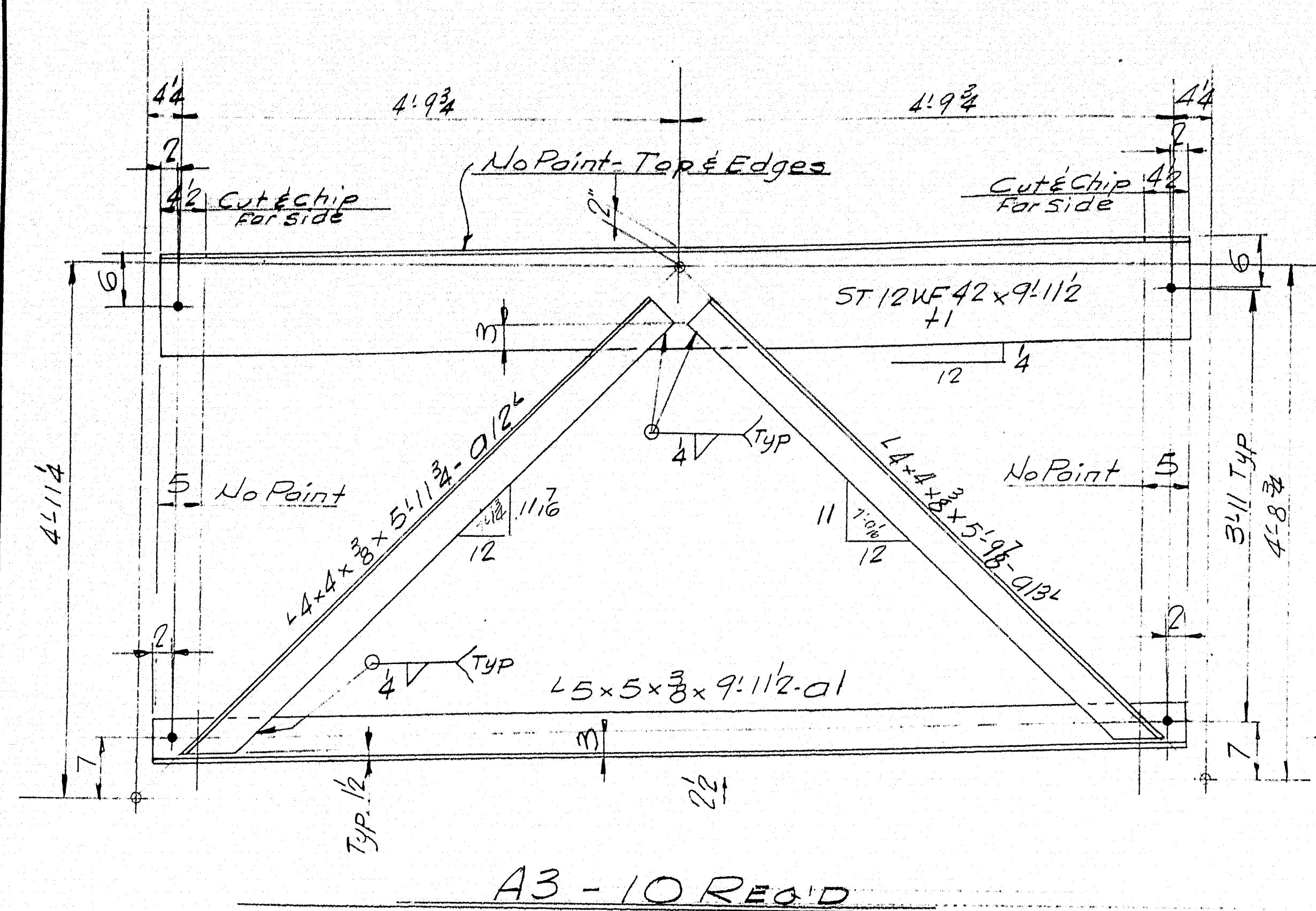
ORDER NO. VERBAL DWG. NO. 63-5-547

DRAWN	4-29-63 TFG
REVISION	5-8-63 TFG
REVISION	
REVISION	

89-151







Quantities shown are for One Bridge  
 Suffix SB to be added to South Bound Cross Frames (Bill of Material 5485)  
 do NB do do North Bound do (do do 548N)

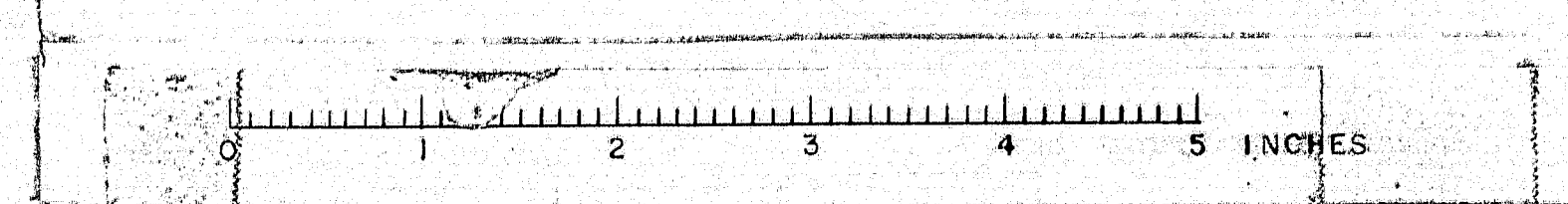
SHOP CONNECTIONS: Welded  
 FIELD CONNECTIONS: Welded  
 HOLES: 1/8"  $\phi$   
 PAINT: Per Maine Specs & as noted

APP. 5.29.63

SPANS 1 TO 5 S.B. & N.B.
CROSS FRAMES TYPE A
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. 63-5-548

DRAWN	3-5-63 J.P.F.
REVISION	
REVISION	
REVISION	

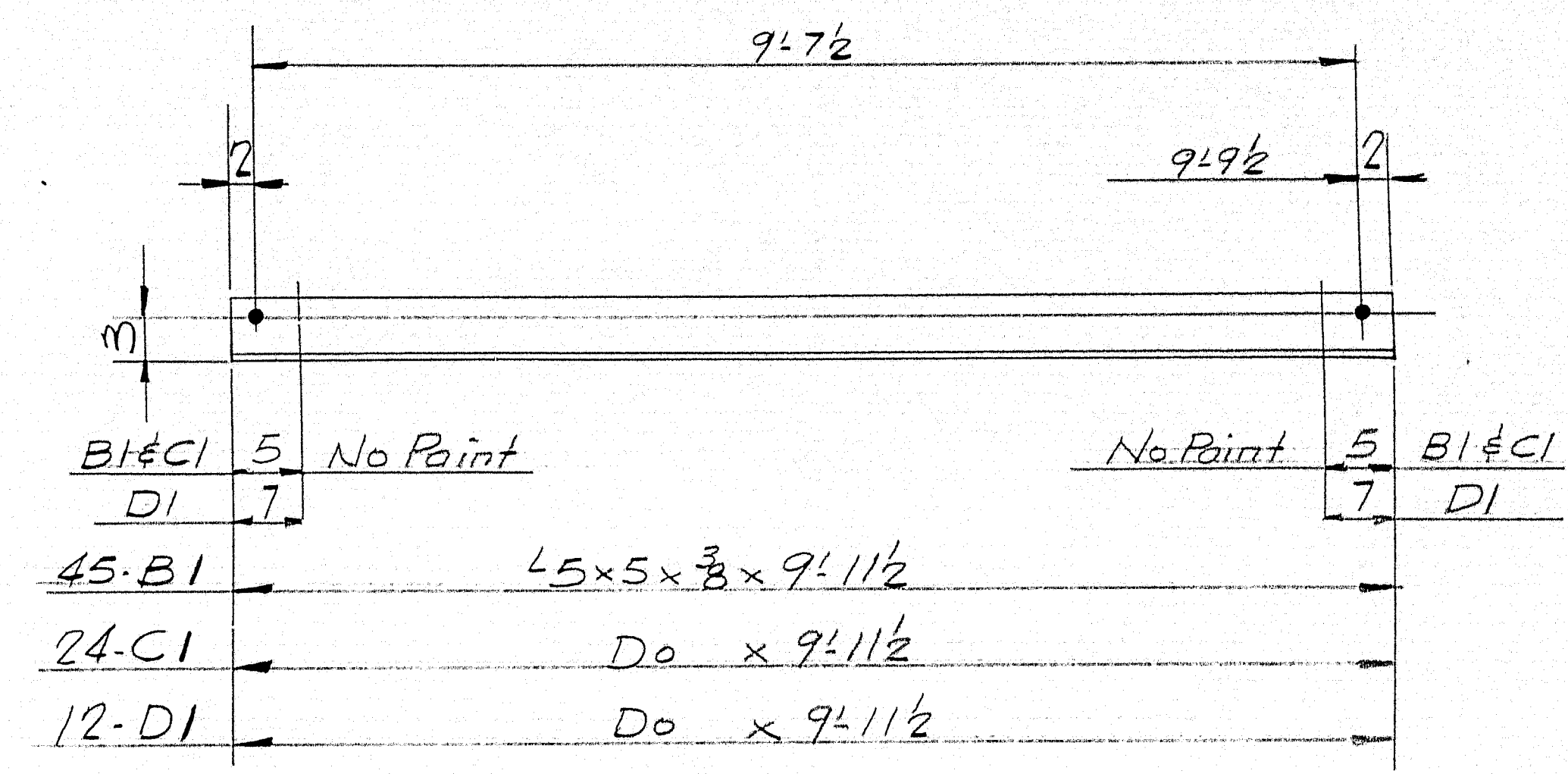
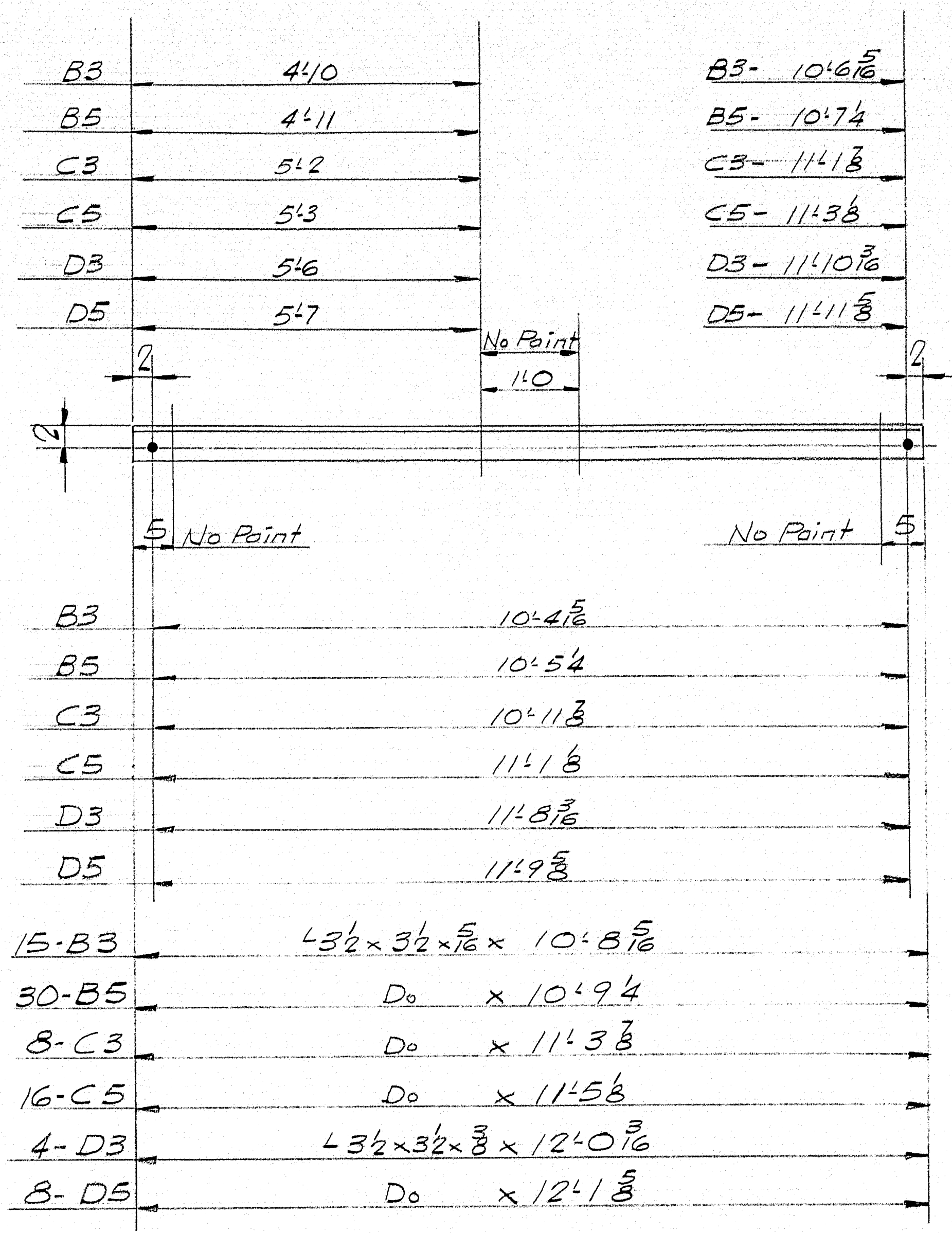
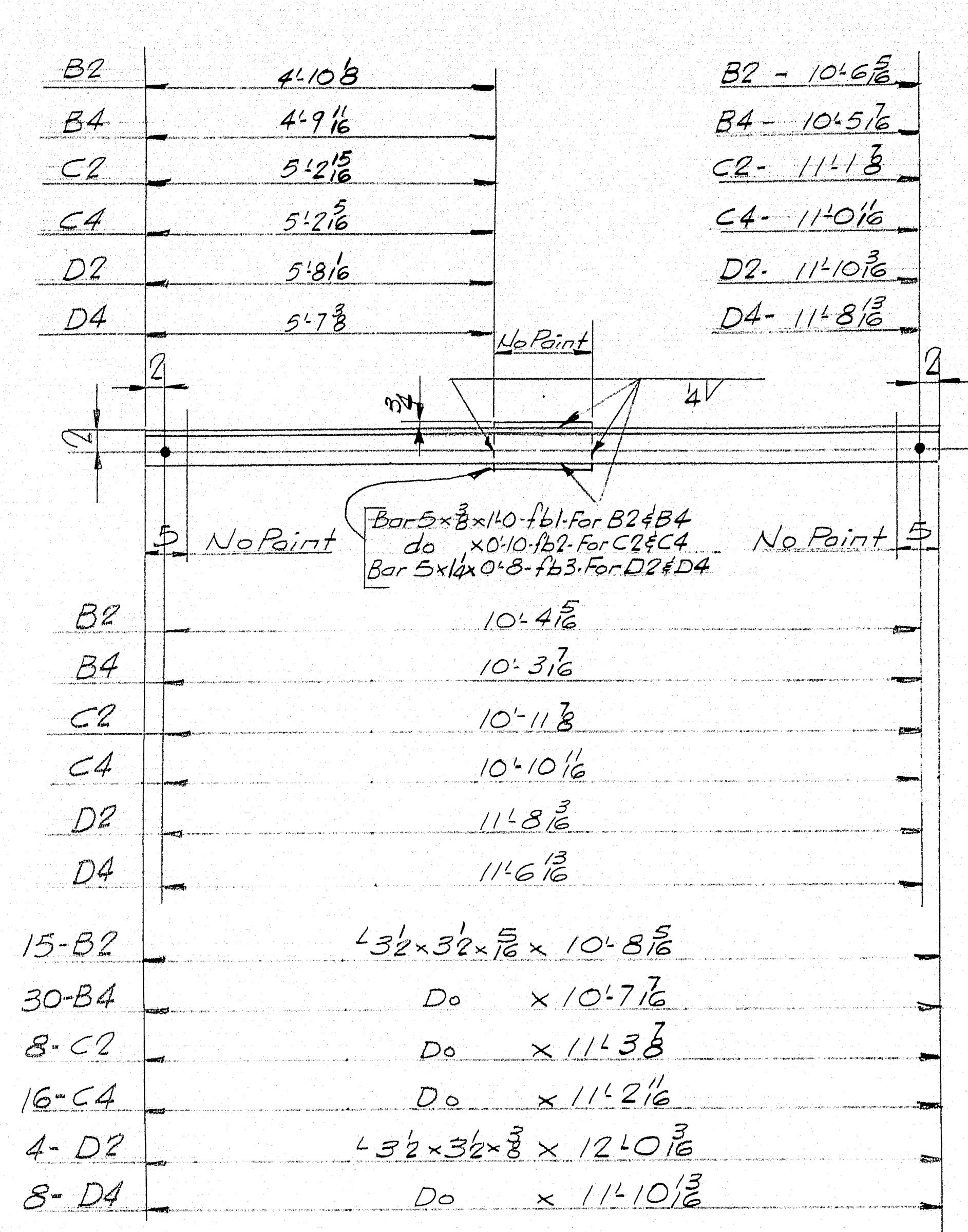
89-152











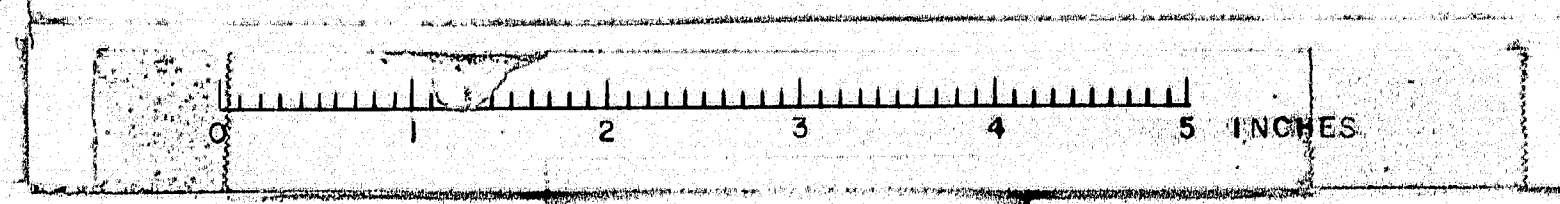
Quantities shown are for One Bridge

Suffix SB to be added to South Bound Cross Frames (Bill of Material 549S)  
 do NB do do North Bound do do do 549N

SHOP CONN: Welded  
 FIELD CONN: Welded  
 HOLES: 1/2" dia  
 PAINT: Per State of Maine Specs. & as noted.

SPANS 1 to 5 S.B. & N.B.  
 CROSS FRAMES: TYPES B-C & D  
 Ramcraft & 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. 63-5-549

DRAWN	3-5-63 J.P.E.
REVISION	
REVISION	
REVISION	





SHIP BILL OF MATERIAL DWG. NO. 63-5-S495						
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
B1SB	45		45x5x3/8	9 11/2		
B2SB	15		43 1/2x3 1/2x1/8	10 8 5/8		
B3SB	15		Do	10 8 5/8		
B4SB	30		Do	10 7 1/2		
B5SB	30		Do	10 9 1/4		
	45	f61	Bar 5x3/8	1 0		
C1SB	24		45x5x3/8	9 11/2		
C2SB	8		43 1/2x3 1/2x1/8	11 3 3/8		
C3SB	8		Do	11 3 3/8		
C4SB	16		Do	11 2 1/2		
C5SB	16		Do	11 5 3/8		
	24	f62	Bar 5x3/8	0 10		
D1SB	12		45x5x3/8	9 11/2		
D2SB	4		43 1/2x3 1/2x3/8	12 0 7/8		
D3SB	4		Do	12 0 7/8		
D4SB	8		Do	11 10 1/8		
D5SB	8		Do	12 1 3/8		
	12	f63	Bar 5x1/4	0 8		
FIELD	430		3" M. BOLTS	0 1 3/4		C Types B & C
Do	80		Do	0 2 1/2		C Type D
A.S.T.M. Desig. A7 or A36						
STRUCTURAL STEEL ITEM 702-103B						

For Details see Dwg. S49

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

SPANS 1 TO 5 S.B.

CROSS FRAMES - TYPE B-C & D.

Bancroft & Martin Inc.  
South Portland 7, Maine

CLINTON A. CLAUSON MENT. BRIDGE  
FAIRFIELD, MAINE

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

ORDER NO. VERBAL DWG. NO. 63-5-S495

DRAWN	B.S. 63 JRR
REVISION	
REVISION	
VISION	

89-153 A

SHIP BILL OF MATERIAL DWG. NO. 63-5-S49N						
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
B1NB	45		45x5x3/8	9 11/2		
B2NB	15		43 1/2x3 1/2x1/8	10 8 5/8		
B3NB	15		Do	10 8 5/8		
B4NB	30		Do	10 7 1/2		
B5NB	30		Do	10 9 1/4		
	45	f61	Bar 5x3/8	1 0		
C1NB	24		45x5x3/8	9 11/2		
C2NB	8		43 1/2x3 1/2x1/8	11 3 3/8		
C3NB	8		Do	11 3 3/8		
C4NB	16		Do	11 2 1/2		
C5NB	16		Do	11 5 3/8		
	24	f62	Bar 5x3/8	0 10		
D1NB	12		45x5x3/8	9 11/2		
D2NB	4		43 1/2x3 1/2x3/8	12 0 7/8		
D3NB	4		Do	12 0 7/8		
D4NB	8		Do	11 10 1/8		
D5NB	8		Do	12 1 3/8		
	12	f63	Bar 5x1/4	0 8		
FIELD	430		3" M. BOLTS	0 1 3/4		C Types B & C
Do	80		Do	0 2 1/2		C Type D
A.S.T.M. Desig. A7 or A36						
STRUCTURAL STEEL ITEM 702-103B						

For Details see Dwg. S49

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

SPANS 1 TO 5 N.B.

CROSS FRAMES - TYPE B-C & D.

Bancroft & Martin Inc.  
South Portland 7, Maine

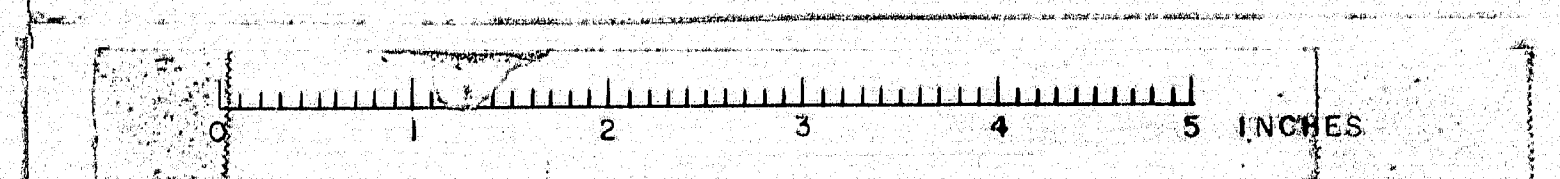
CLINTON A. CLAUSON MENT. BRIDGE  
FAIRFIELD, MAINE

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

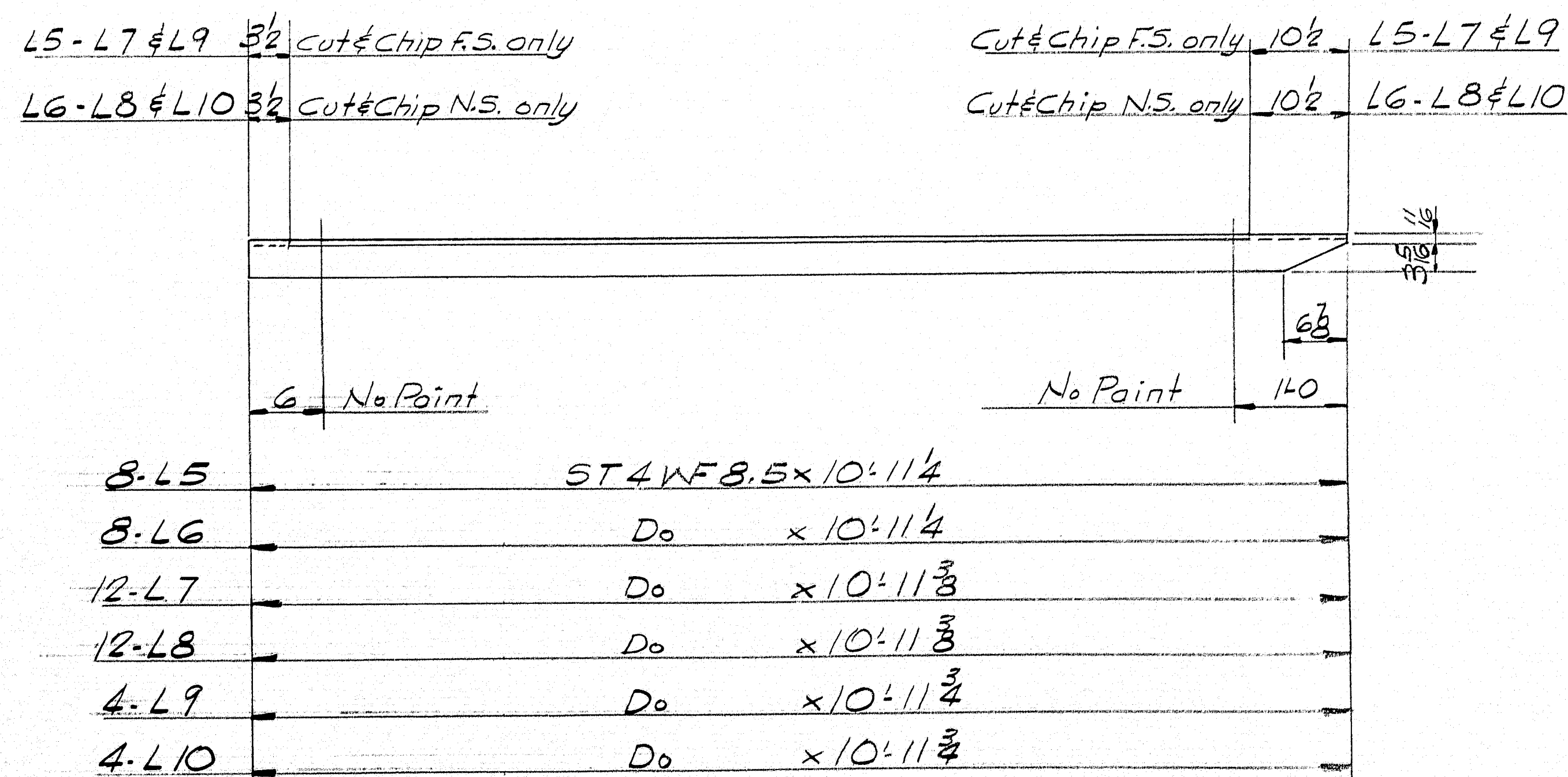
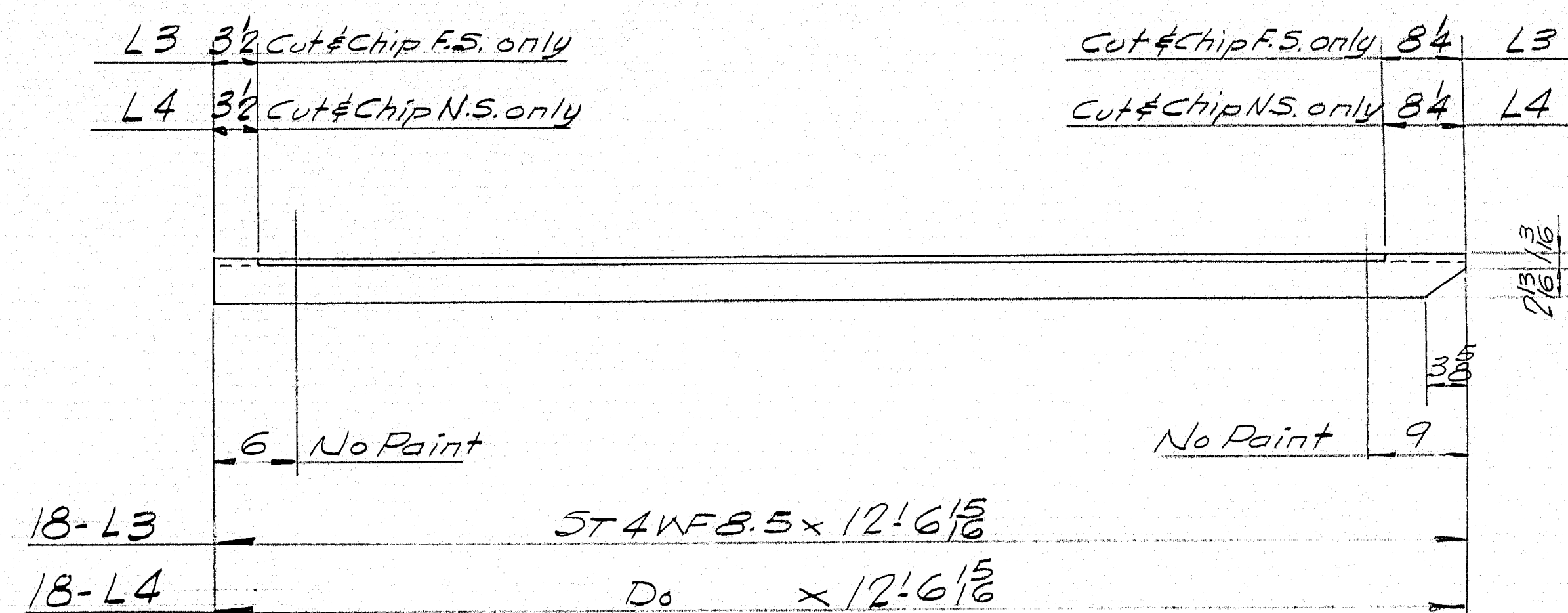
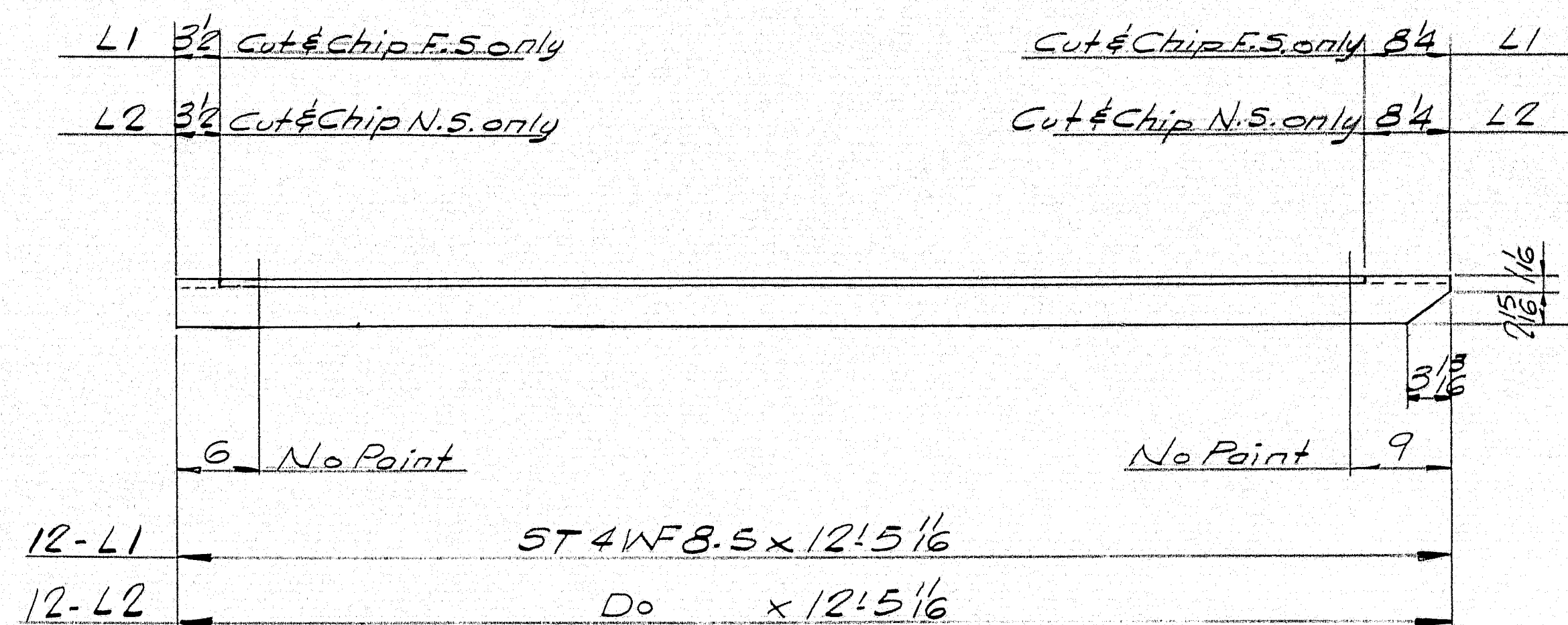
ORDER NO. VERBAL DWG. NO. 63-5-S49N

DRAWN	B.S. 63 JRR
REVISION	
REVISION	
VISION	

89-153 B







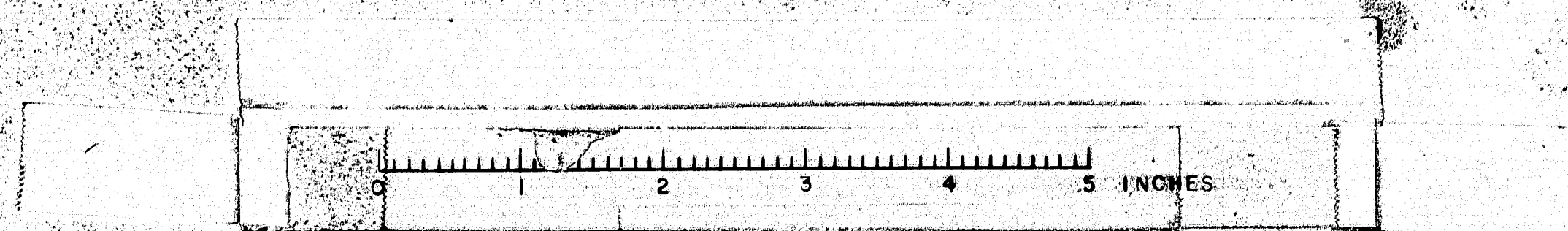
Quantities shown are for One Bridge  
 Suffix SB to be added to South Bound Bracing (Bill of Material 550S)  
 do NB do do North Bound do (do do 550N)

FIELD CONN: Welded  
 PAINT: Per State of Maine  
 Specs & as noted.

APR 30 1963

SPANS 1 TO 5 S.B. & N.B.	
LATERAL BRACING	
Rumcraft & 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. 63-5-550

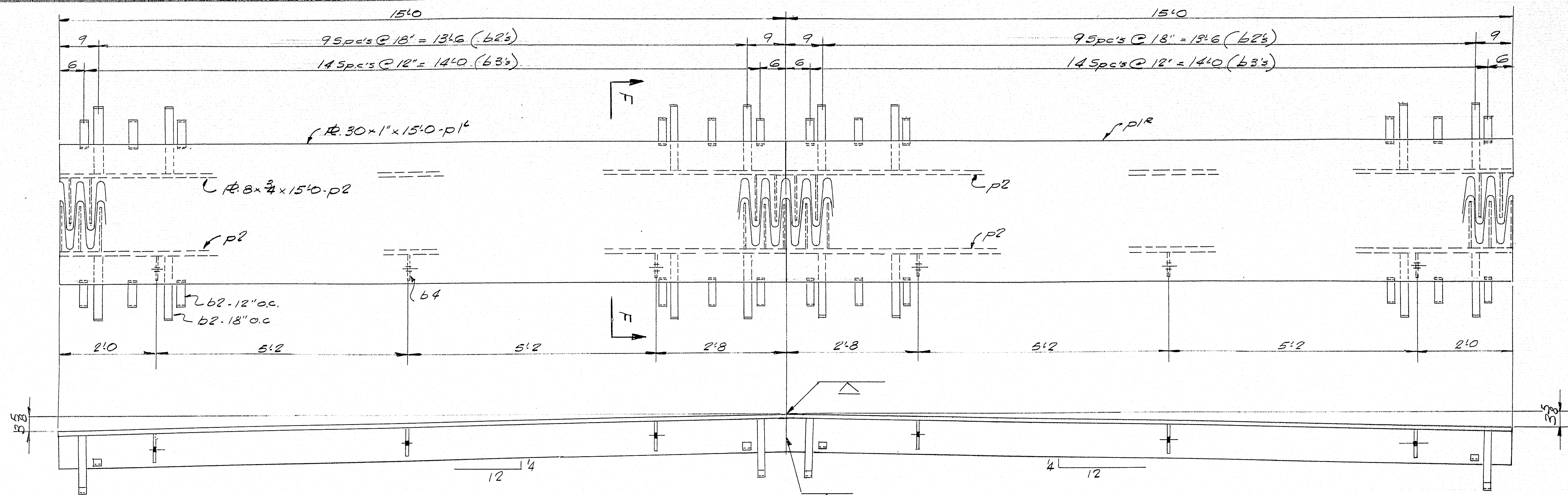
DRAWN	S.B. G.B. J.P.F.
REVISION	
REVISION	
REVISION	



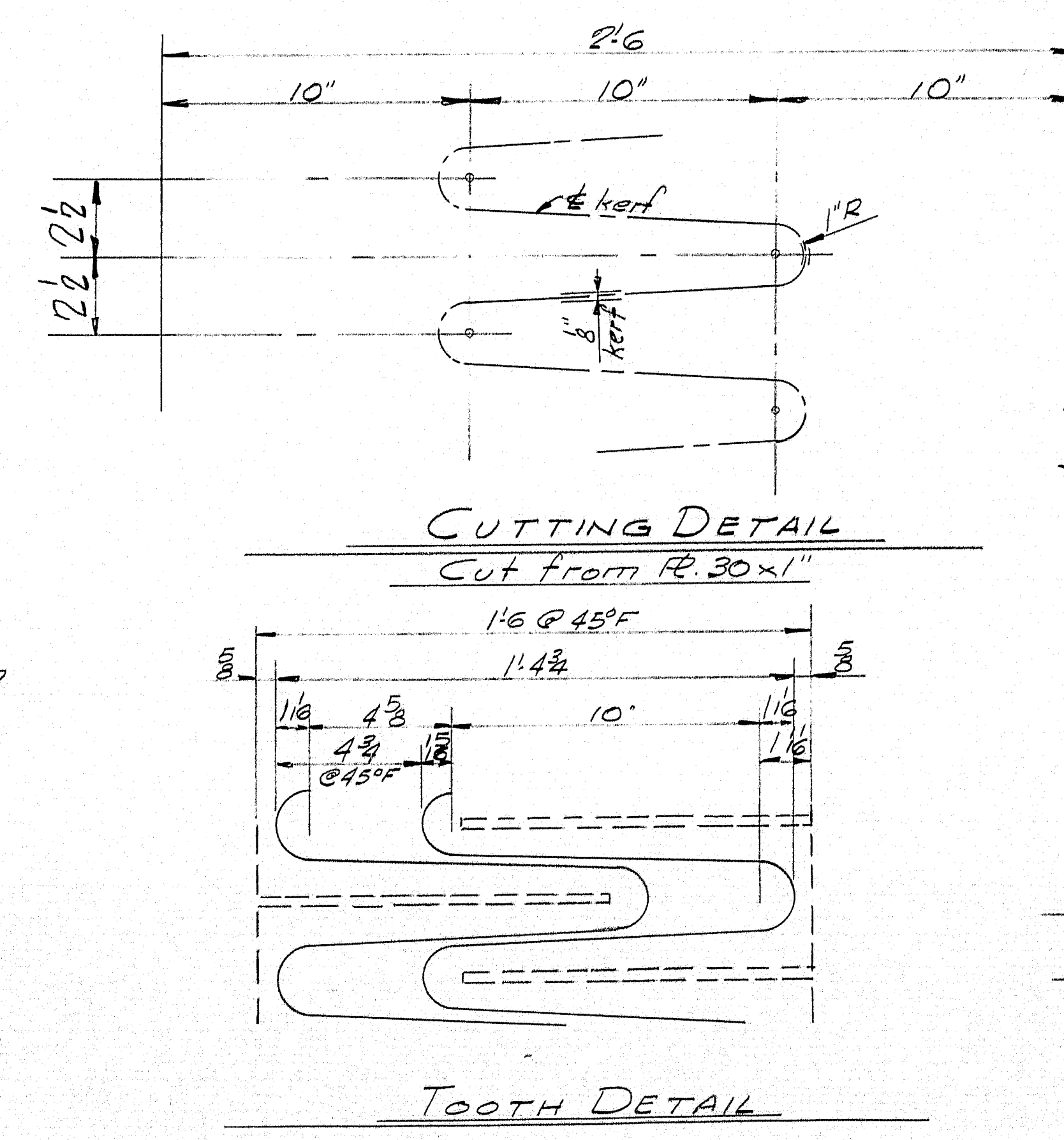
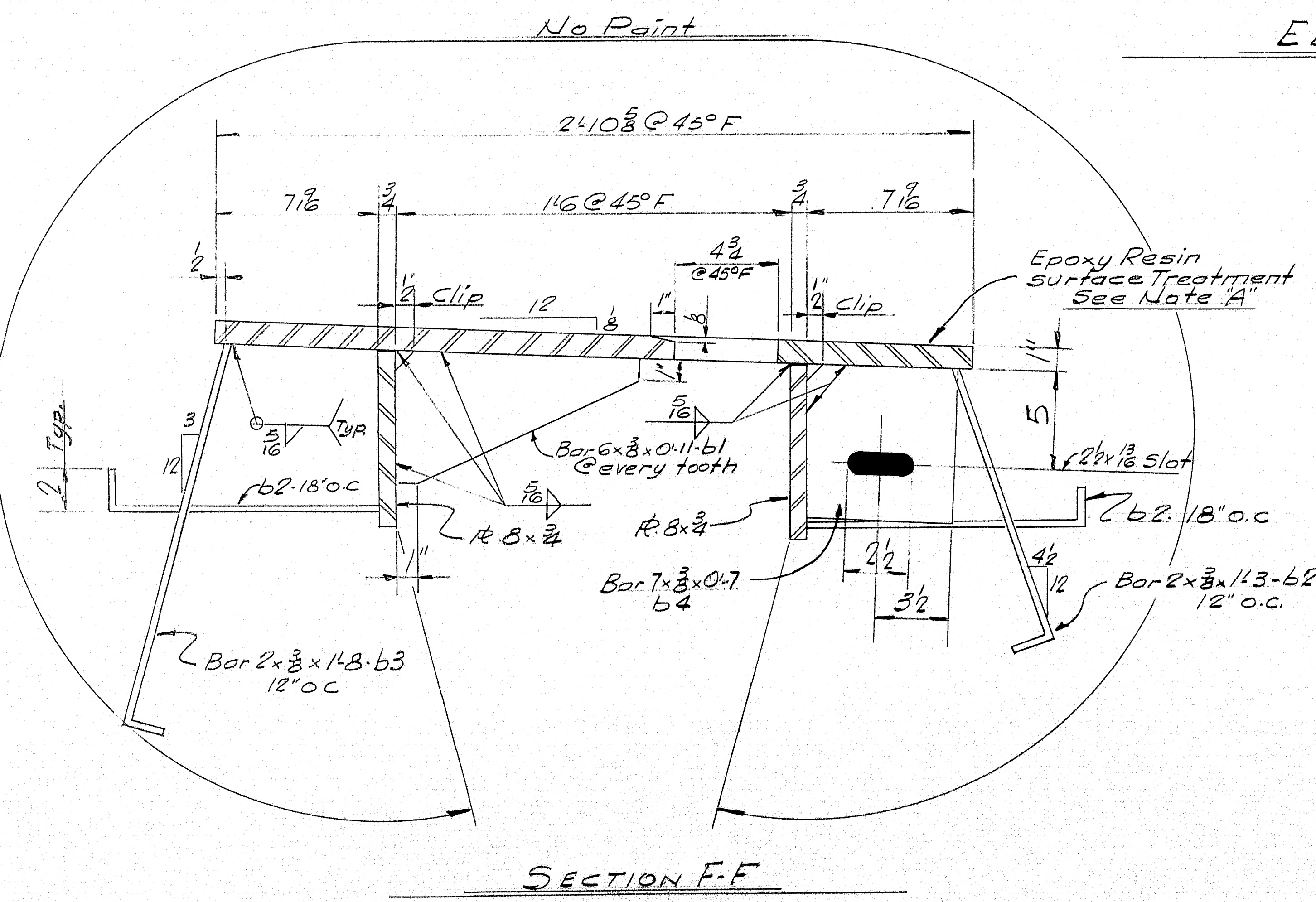








Quantities shown are for One Bridge  
 suffix SB to be added to South Bound Dam (Bill of Material 551S)  
 do NB do do North Bound Dam ( do do 551N)

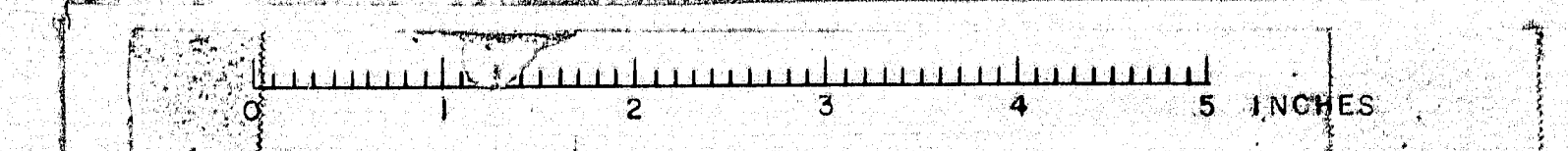


NOTE "A"  
 The exposed top surfaces of roadway expansion plates shall be coated, in the fabrication shop after assembly, with an approved black epoxy resin, having a skid resistant grit surface per Supplemental Specifications.

SHOP CONN: Welded - Bolted  
 FIELD CONN: Welded  
 HOLES: As Noted  
 PAINT: Per Maine Specs & as noted

ABUTMENT #1 S.B. & N.B.	
EXPANSION DAM (Roadway)	
Brancoff & Norton, Portland, Maine	
CLINTON A. CLAUSON MEM. BRIDGE	
FAIRFIELD, MAINE	
CUSTOMER E.C. SNODGRASS INC.	
DESIGNER MAINE S.H.C. BRIDGE DIV.	
ORDER NO. VERRAL	DWG. NO. 63-5-551

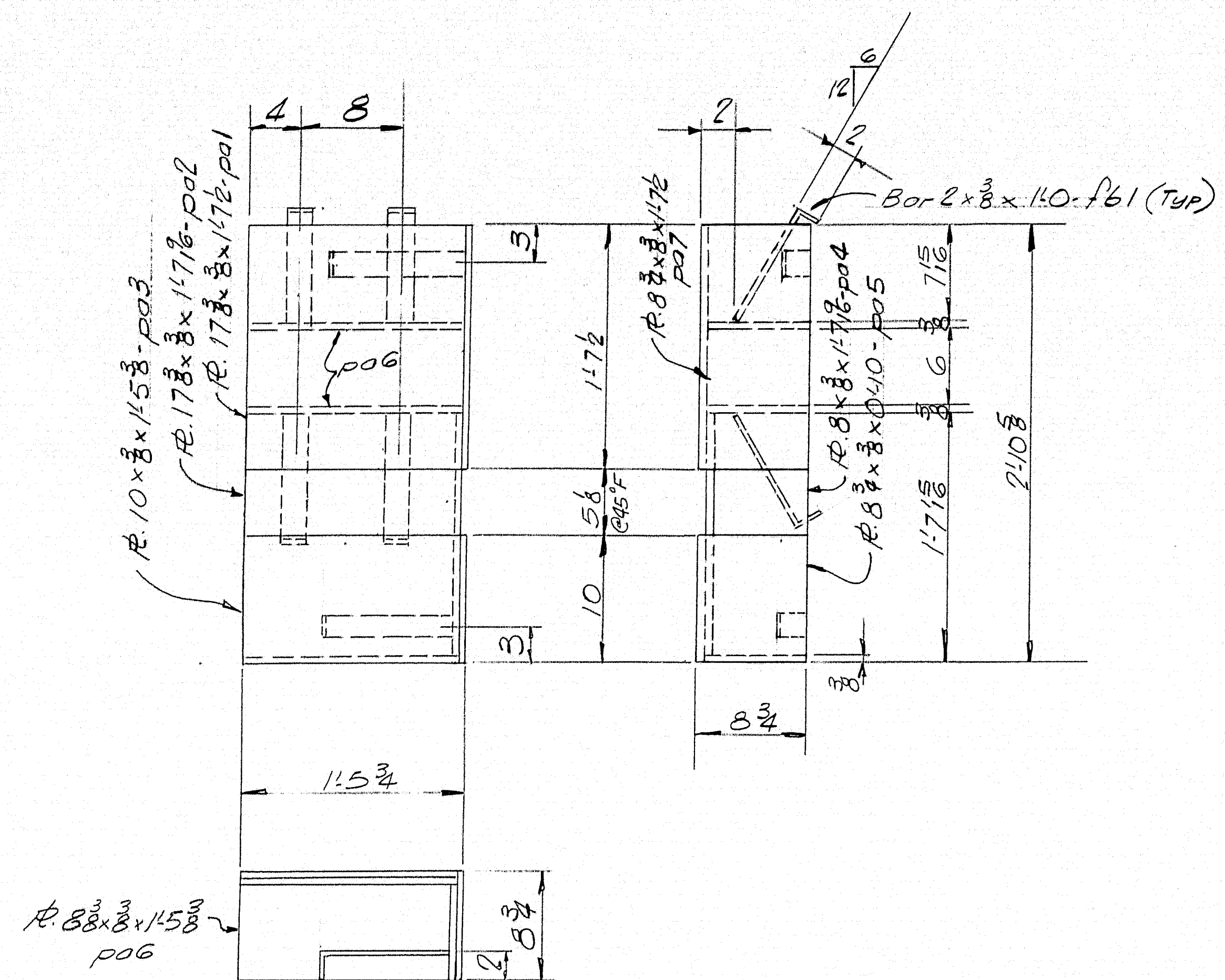
DRAWN	4-18-63 J.P.F.
REVISION	
REVISION	
REVISION	



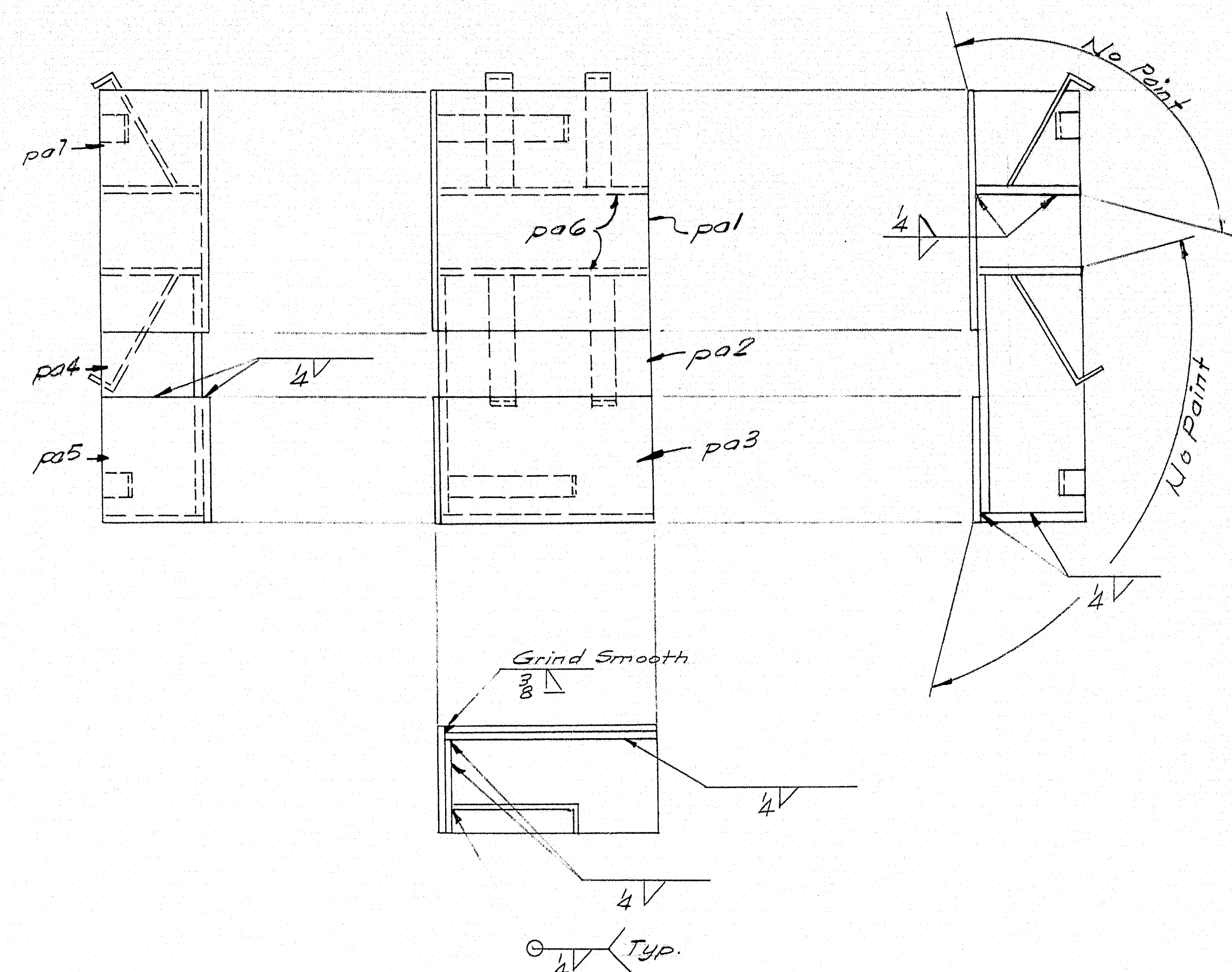








NORTH



ED2- ONE REQ'D.  
Welding same as for ED3

ED3- ONE REQ'D.  
Dimensions not shown same as ED2

Quantities shown are for One Bridge  
Suffix SB to be added to South Bound Dams (Bill of Material 552S)  
do NB do do North Bound Dams ( do do 552N)

SHOP CONN: Welded  
PAINT: Per Maine Specs for noted

ABUTMENT #1-SB-N.B.
EXPANSION DAMS (CURBS)
Ramsey & Martin Rolling Mills Company South Portland 1, 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. 63-5-552

DRAWN	4-1863 J.P.F.
REVISION	
REVISION	
REVISION	

APP. 4.15.63

