

| 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" | | |

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

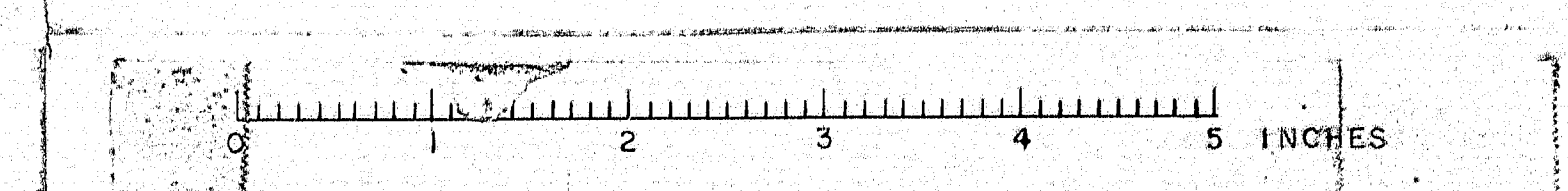
Bancroft & Martin Inc.
South Portland, Maine

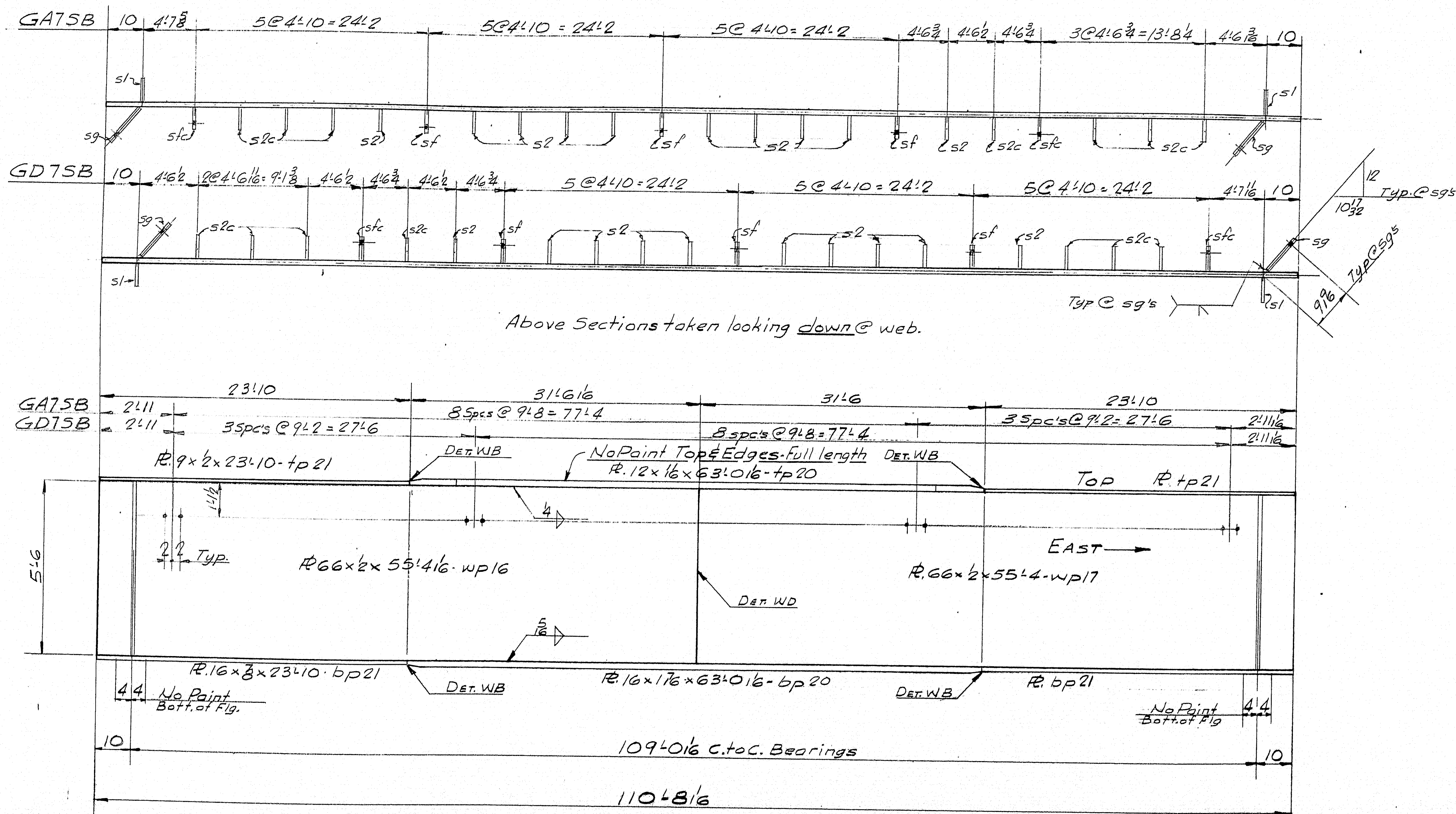
CLINTON A. CLAUSON MENT. BRIDGE
FAIRFIELD, MAINE

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

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

89-122





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 1/2" | - | |
| GD7SB | 1 | | Do | 110'8 1/2" | - | |
| | 2 | wp 16 | R. 66 x 2 | 55'4 1/2" | | |
| | 2 | wp 17 | Do | 55'4" | | |
| | 2 | tp 20 | R. 12 x 16 | 63'0 1/2" | | |
| | 4 | tp 21 | R. 9 x 2 | 23'10" | | |
| | 2 | bp 20 | R. 16 x 17 | 63'0 1/2" | | |
| | 4 | bp 21 | R. 16 x 8 | 23'10" | | |
| | 4 | s1 | BoR 6 x 3/4 | 5'6" | | |
| | 4 | sg | R. 11 x 1/2 | 5'6" | | |
| | 20 | s2 | BoR 6 x 3/8 | 5'6" | | |
| | 14 | s2c | Do | 5'6" | | |
| | 6 | sf | Do | 5'6" | | |
| | 4 | sf | Do | 5'6" | | |

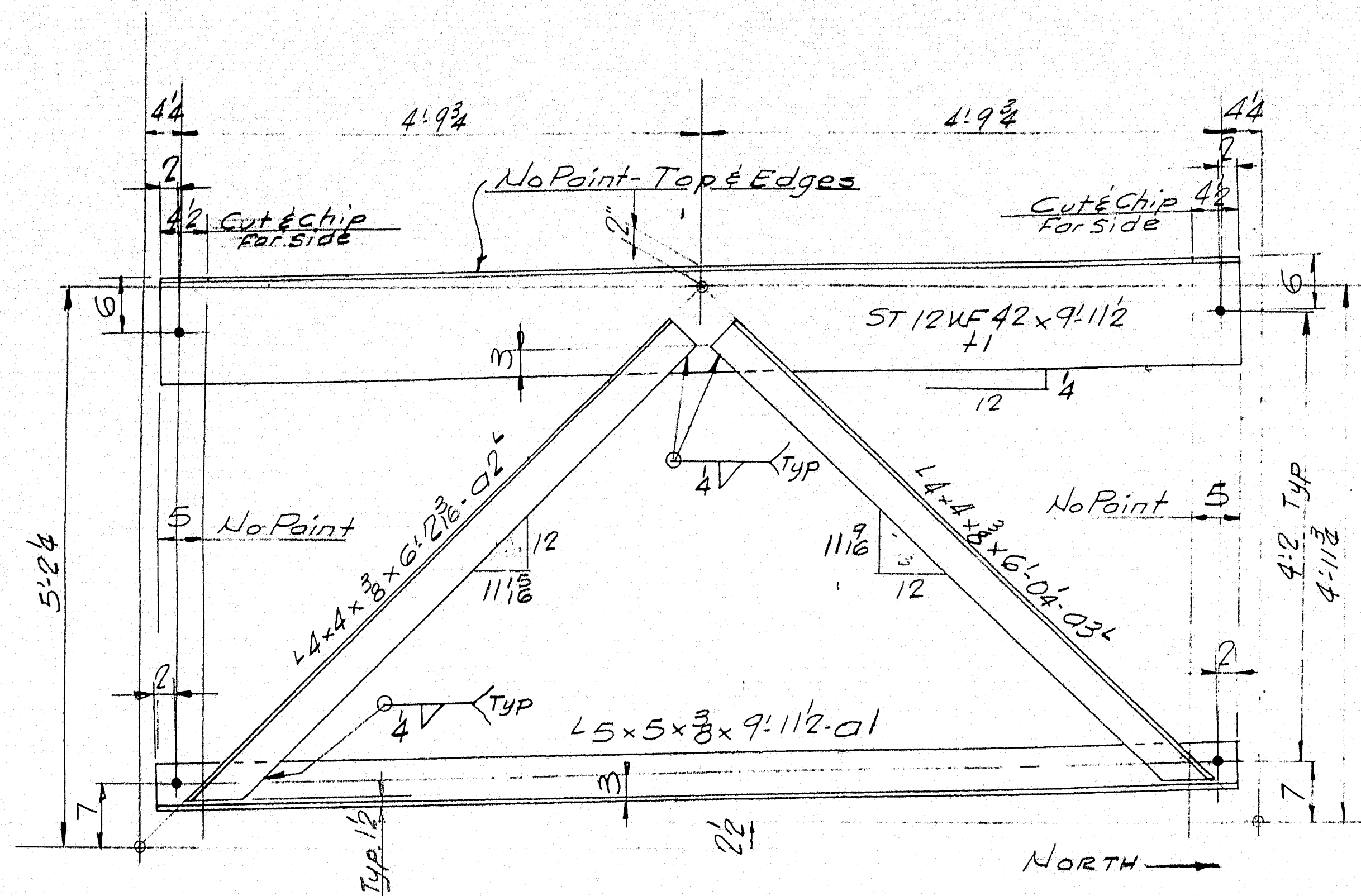
All Mat. A.S.T.M. Desig. A-441 unless noted
*ASTM Desig. 47 or A36
STRUCTURAL STEEL ITEM 702-103B

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

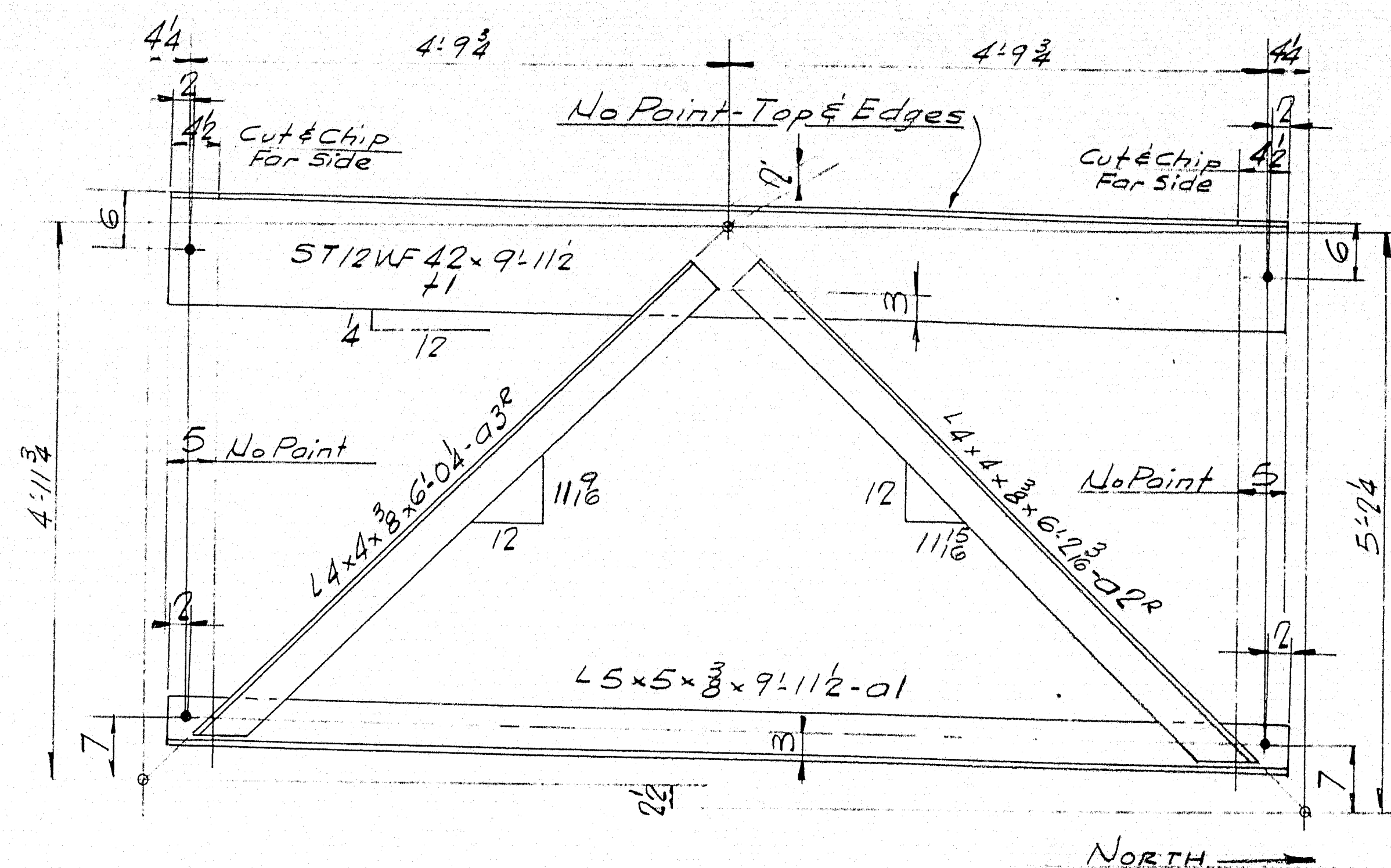
SPANS 6-7 & 8 S.B. #6 & 7 N.B.
GIRDERS GA7SB & GD7SB
Bancroft & Martin Inc.
South Portland, Maine
CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE

CUSTOMER E.C. SNOODGRASS INC.
DESIGNER MAINE S.H.C. BRIDGE DIV.
ORDER NO. VERBAL DWG. NO. 63-5-514

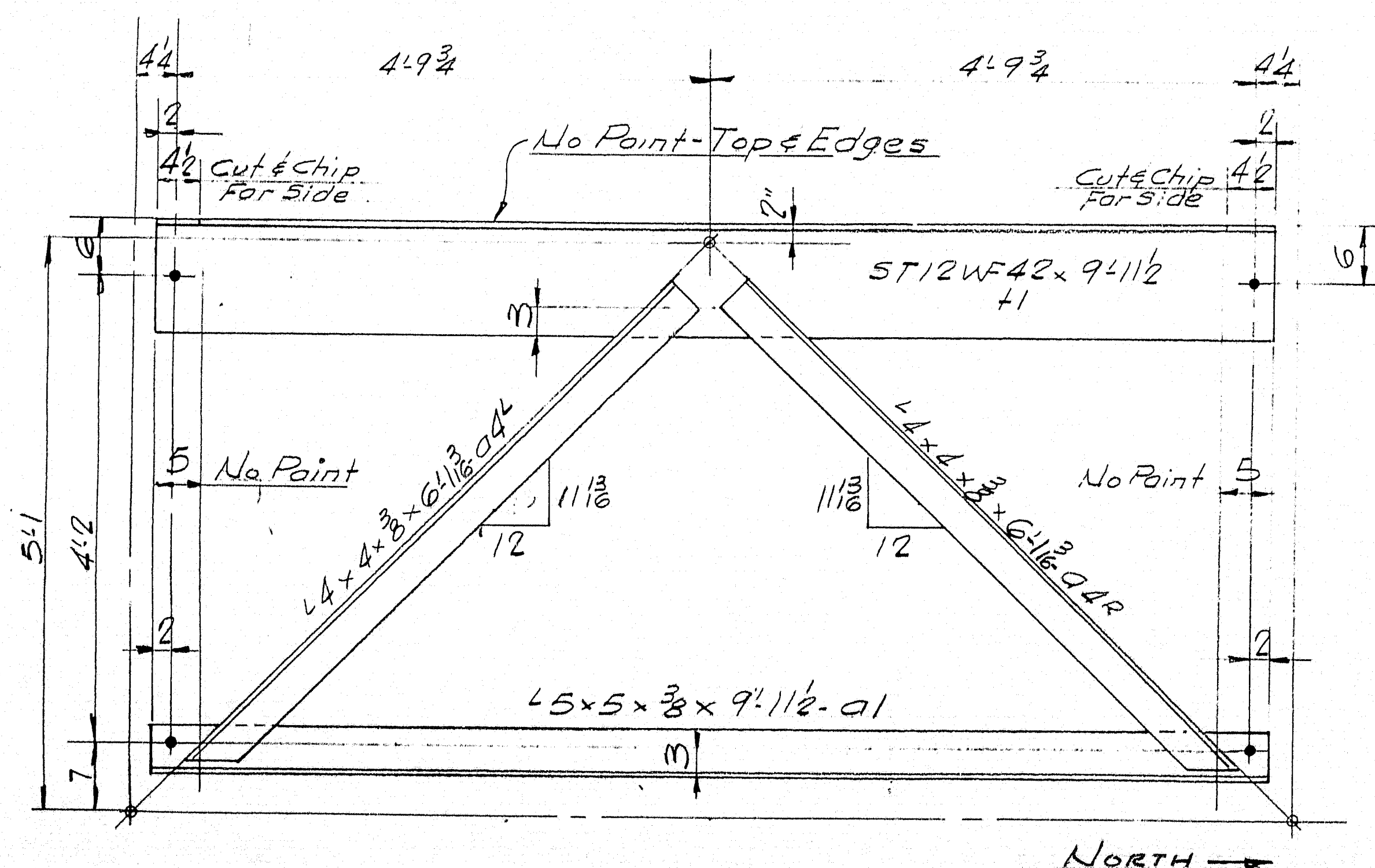
| | |
|----------|----------------|
| DRAWN | 1-28-63 J.P.P. |
| REVISION | |
| REVISION | |
| REVISION | |



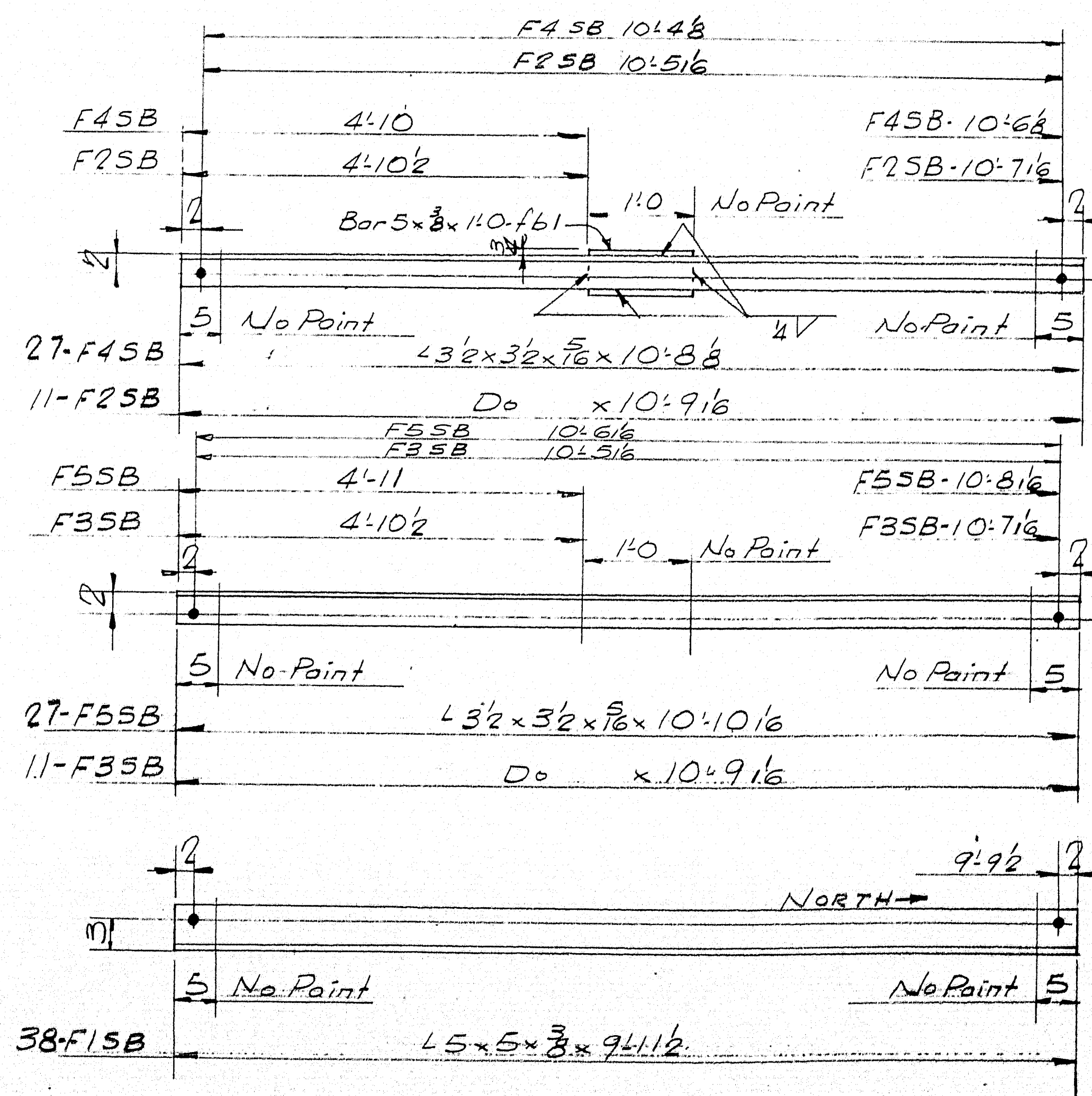
E3SB - ONE REQ'D.



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 | | CROSS FRAME | 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 | 230 | | 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.

CROSS FRAMES TYPES E & F

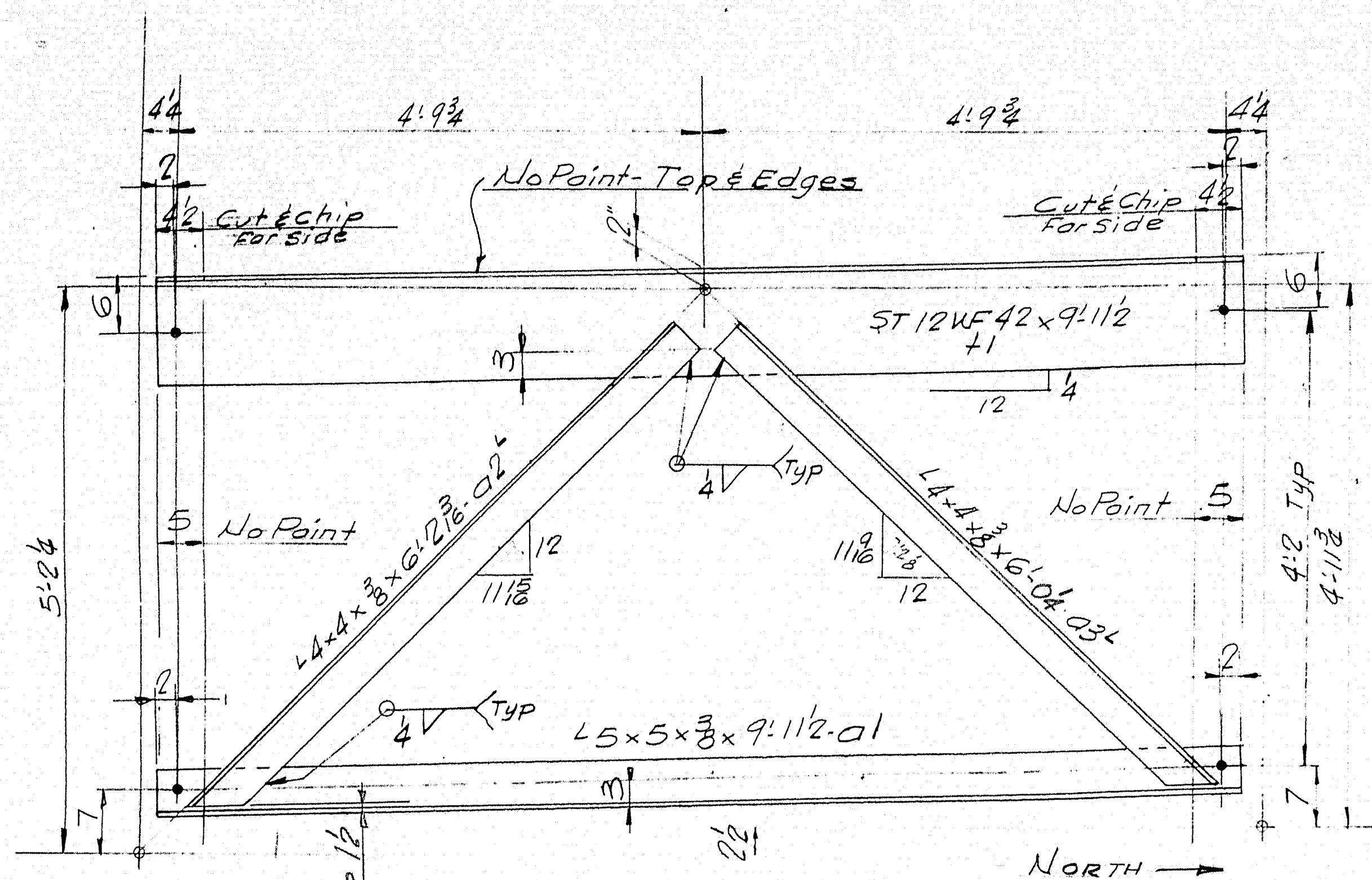
Bancroft & Martin Inc.
South Portland 7, Maine

CLINTON A. CLAUSON MEYER BRIDGE
FAIRFIELD, MAINE

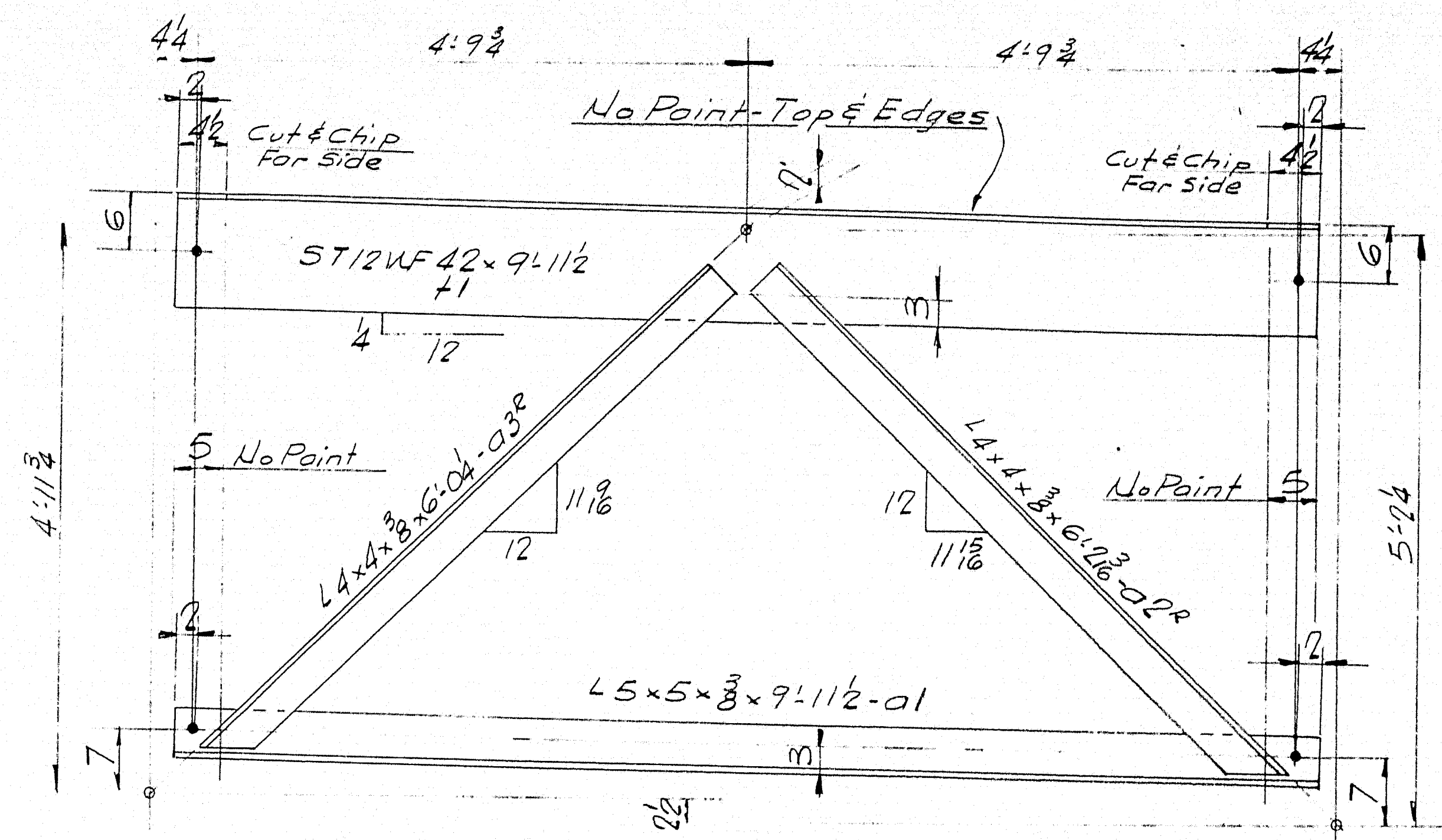
CUSTOMER E.C. SNODGRASS INC.
DESIGNER MAINE S.H.C. BRIDGE DIV.

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

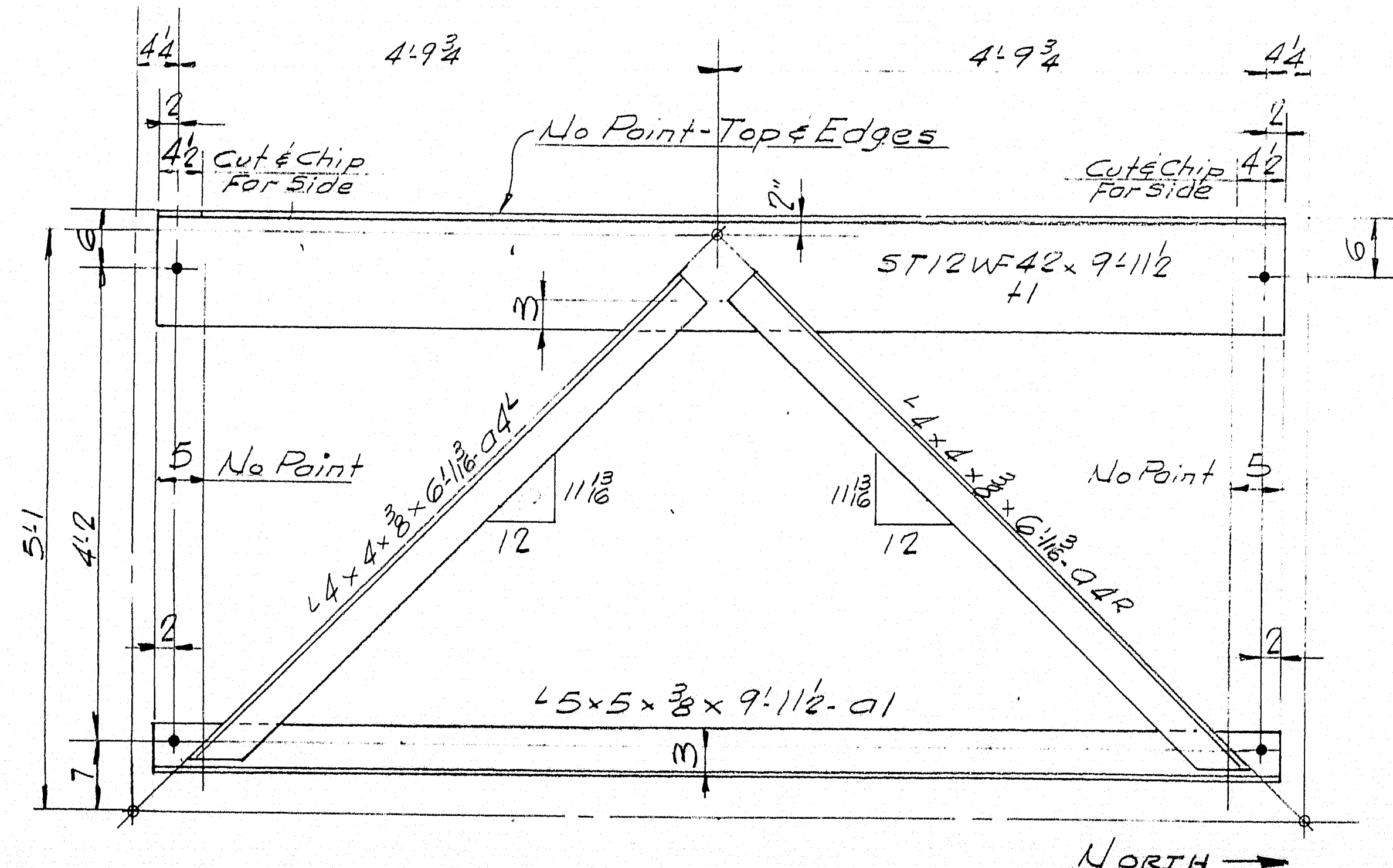
| | |
|----------|--------------|
| DRAWN | 25-63 J.P.P. |
| REVISION | |
| REVISION | |
| REVISION | |



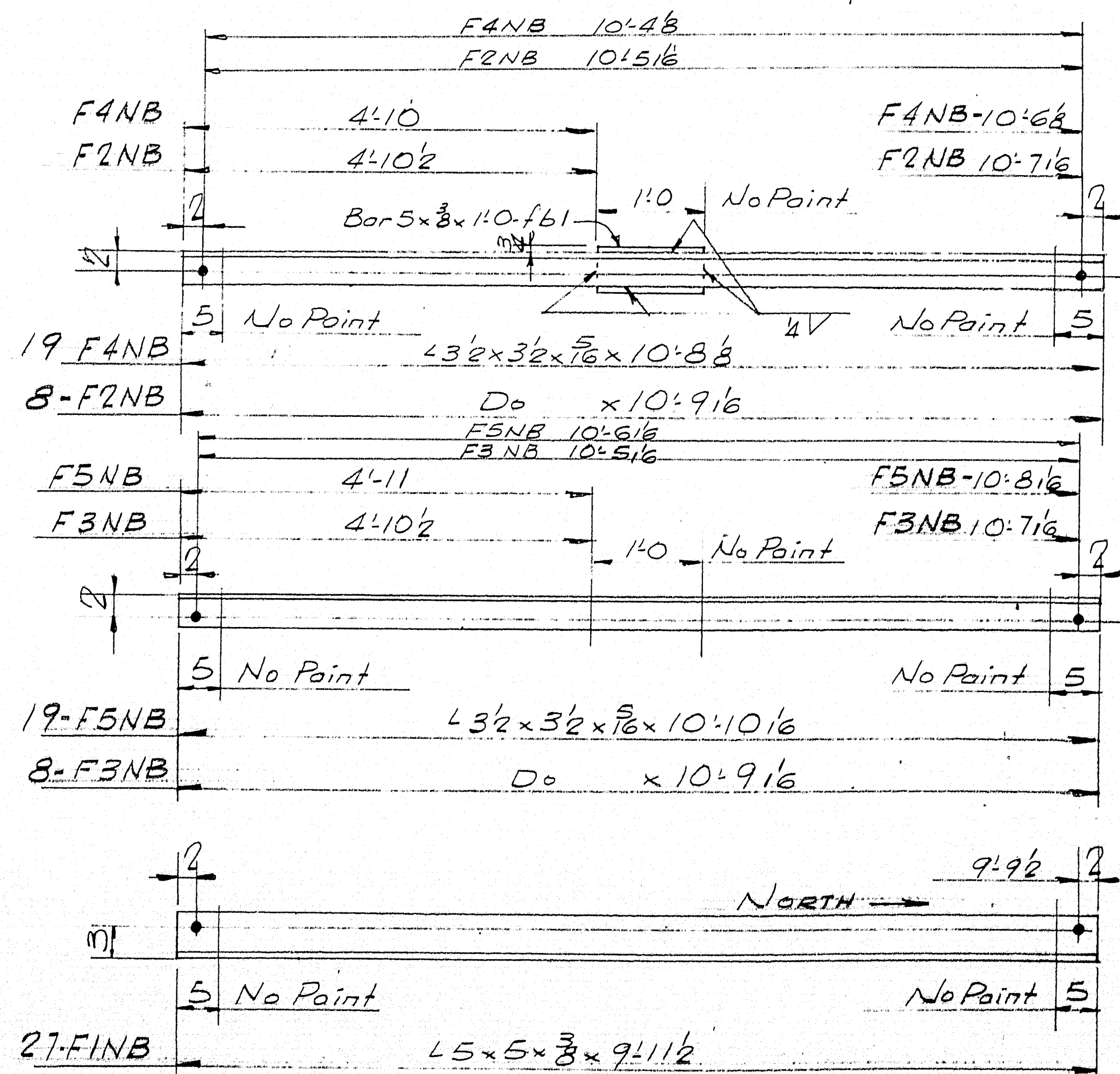
E3NB - ONE REQ'D.



E2NB - ONE REQ'D.



E1NB - ONE REQ'D.



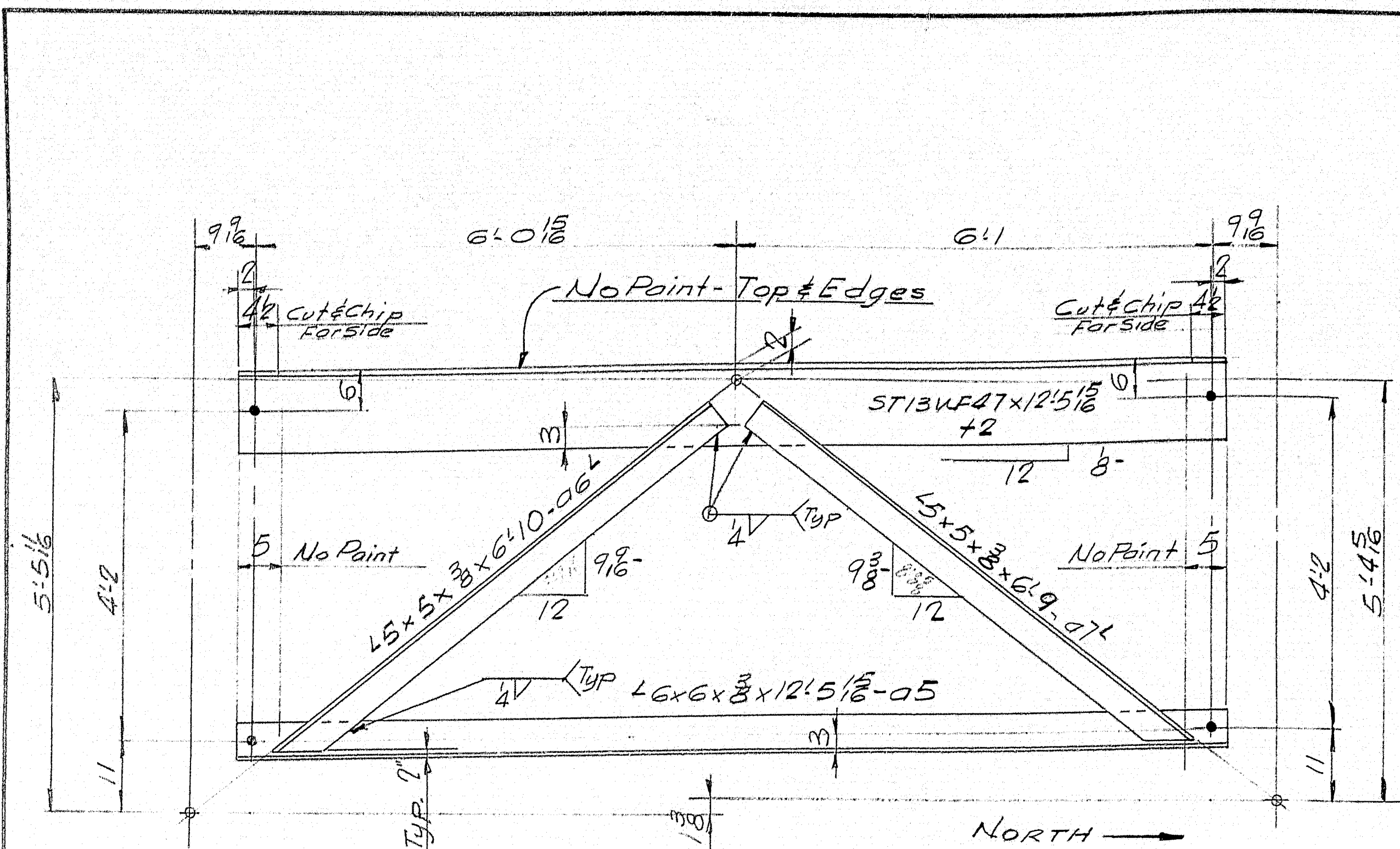
| SHIP | | BILL OF MATERIAL | | | | DWG. NO. 63-5-519 |
|------------------------|-----|------------------|---------------------------|-------------|-----|-------------------|
| MARK | NO. | MARK | SHAPE | LENGTH | WT. | REMARKS |
| E1NB | 1 | | CROSS FRAME | 9' 11 1/2" | - | |
| E2NB | 1 | | Do | 9' 11 1/2" | - | |
| E3NB | 1 | | Do | 9' 11 1/2" | - | |
| | 3 | F1 | 5T12WF42 | 9' 11 1/2" | | |
| | 3 | F1 | 4'-11 1/2" x 3'-6" x 1/2" | 9' 11 1/2" | | |
| | 1 | F2R | 4'-11 1/2" x 3'-6" x 1/2" | 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 | | 6' 1 1/2" | | |
| FINB | 27 | | 4'-11 1/2" x 3'-6" x 1/2" | 9' 11 1/2" | | |
| F2NB | 8 | | 4'-11 1/2" x 3'-6" x 1/2" | 10' 9 1/6" | | |
| F3NB | 8 | | | 10' 9 1/6" | | |
| F4NB | 19 | | | 10' 8 1/6" | | |
| F5NB | 19 | | 4'-11 1/2" x 3'-6" x 1/2" | 10' 10 1/6" | | |
| | 27 | F61 | Bar 5 x 3/8 | 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

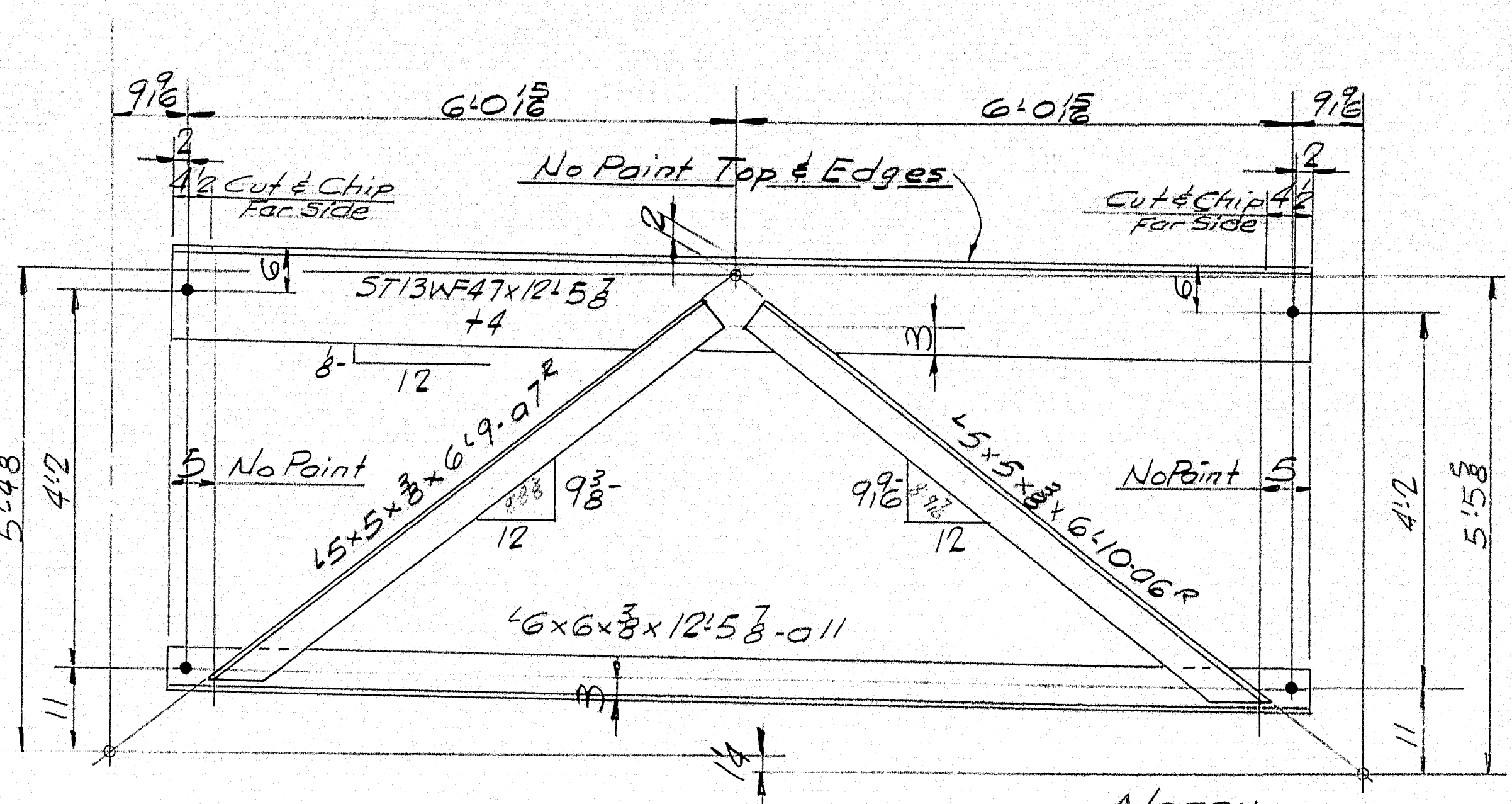
SPANS 6 & 7 - N.B.
CROSS FRAMES TYPES E & F
Bancroft & Martin Inc.
South Portland 7, Maine
CLINTON A. CLAUSON MEM BRIDGE
FAIRFIELD, MAINE

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

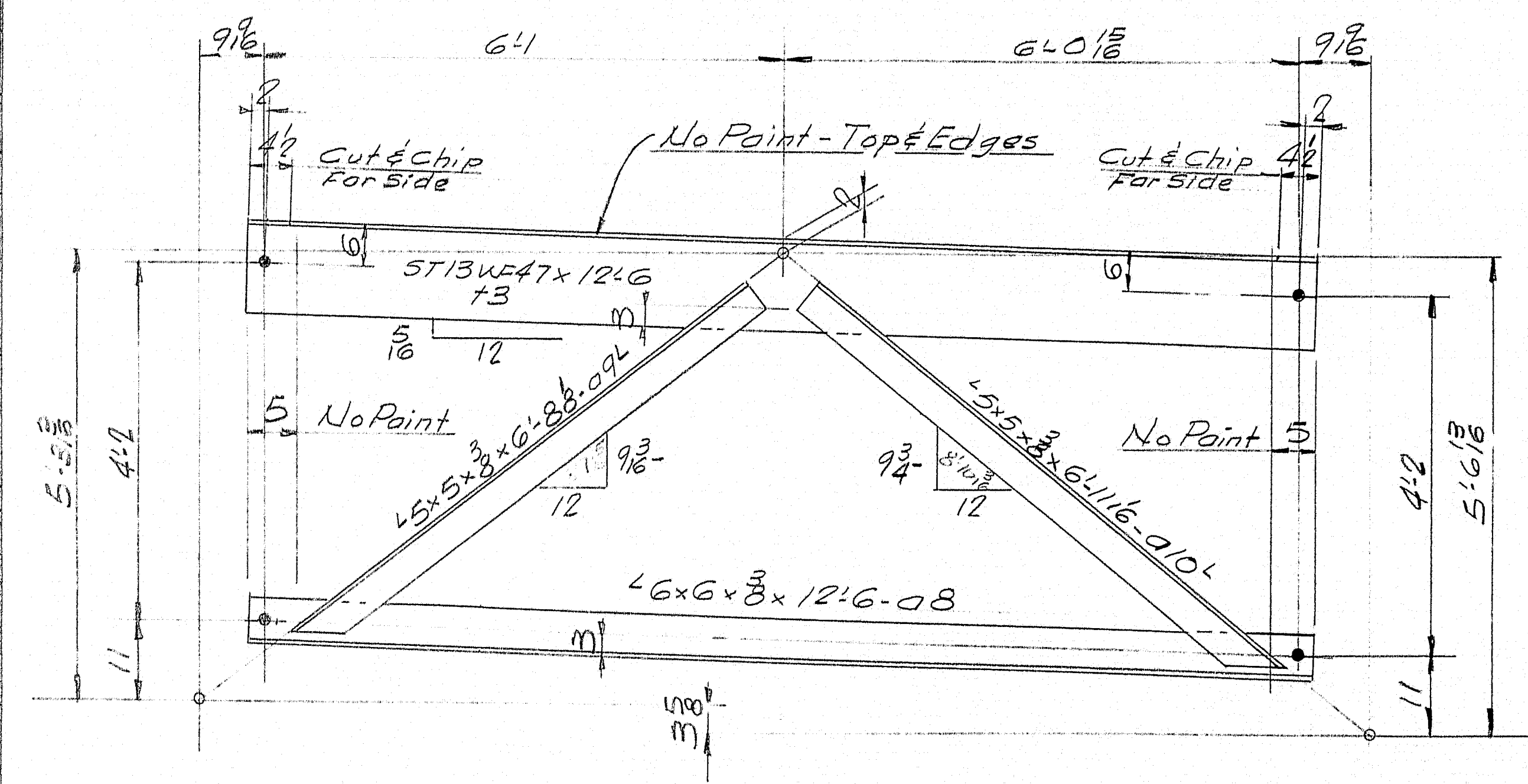
| | |
|----------|---------------|
| DRAWN | 2-5-63 J.P.F. |
| REVISION | |
| REVISION | |
| REVISION | |



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 | 4x6x8x12 5 1/2 | 12 5 1/2 | | |
| | 2 | 06R | 4x6x8x12 5 1/2 | 12 5 1/2 | | |
| | 2 | 06L | 4x6x8x12 5 1/2 | 12 5 1/2 | | |
| | 2 | 07R | 4x6x8x12 5 1/2 | 12 5 1/2 | | |
| | 2 | 07L | 4x6x8x12 5 1/2 | 12 5 1/2 | | |
| | 2 | 08 | 4x6x8x12 5 1/2 | 12 5 1/2 | | |
| | 2 | 09L | 4x6x8x12 5 1/2 | 12 5 1/2 | | |
| | 2 | 010L | Do | 12 5 1/2 | | |
| | 2 | +4 | ST13WF47 | 12 5 1/2 | | |
| | 2 | 011 | 4x6x8x12 5 1/2 | 12 5 1/2 | | |
| FIELD | 24 | | 3/4" M. BOLTS | 0 24 | | |

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

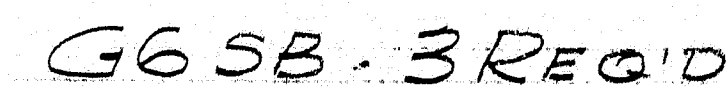
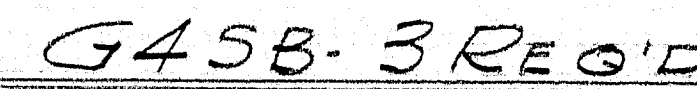
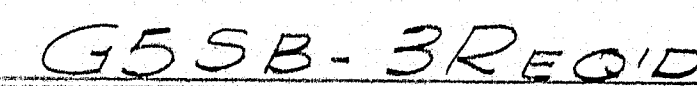
ITEM 702-103B

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

CUSTOMER F.C. SNODGRASS INC.
DESIGNER MAINE S.H.C. BRIDGE DIV.
ORDER NO. VERBAL DWG. NO. 63-5-520

| | |
|----------|---------------|
| DRAWN | 7-6-63 J.P.F. |
| REVISION | |
| REVISION | |
| REVISION | |

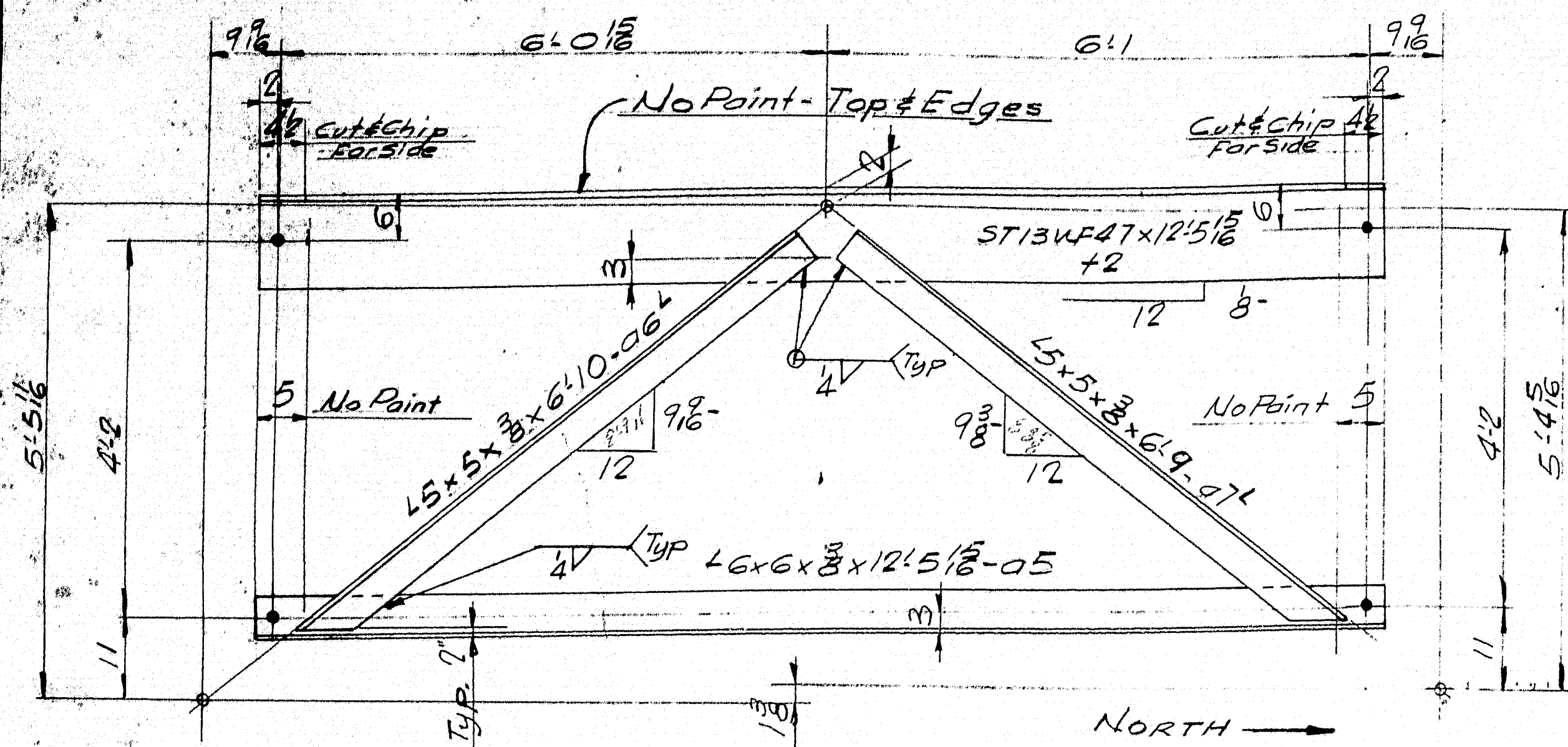


ORDER NO. VERBAL DWG. NO. 63-5-521

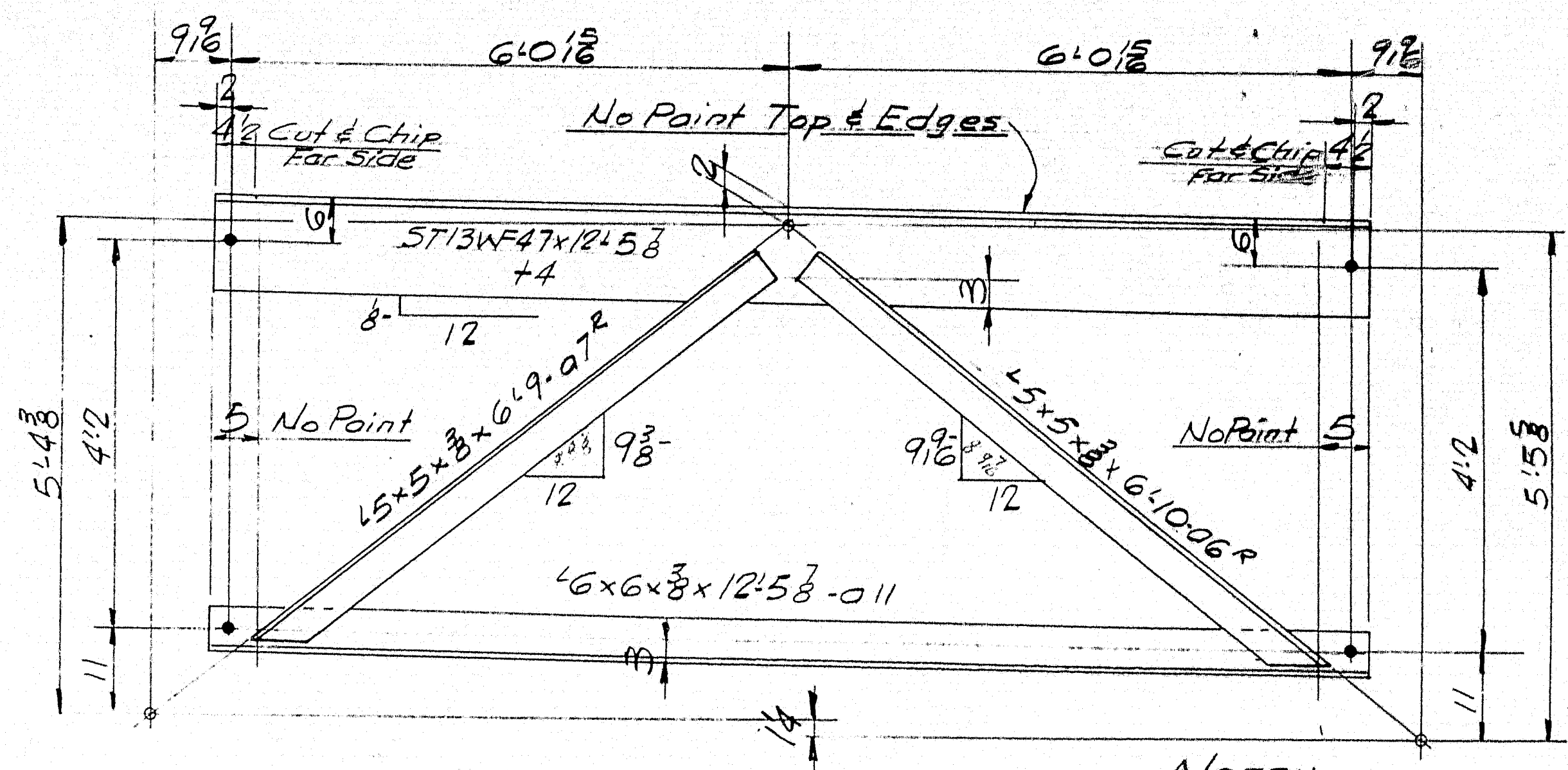
69-131

89-131

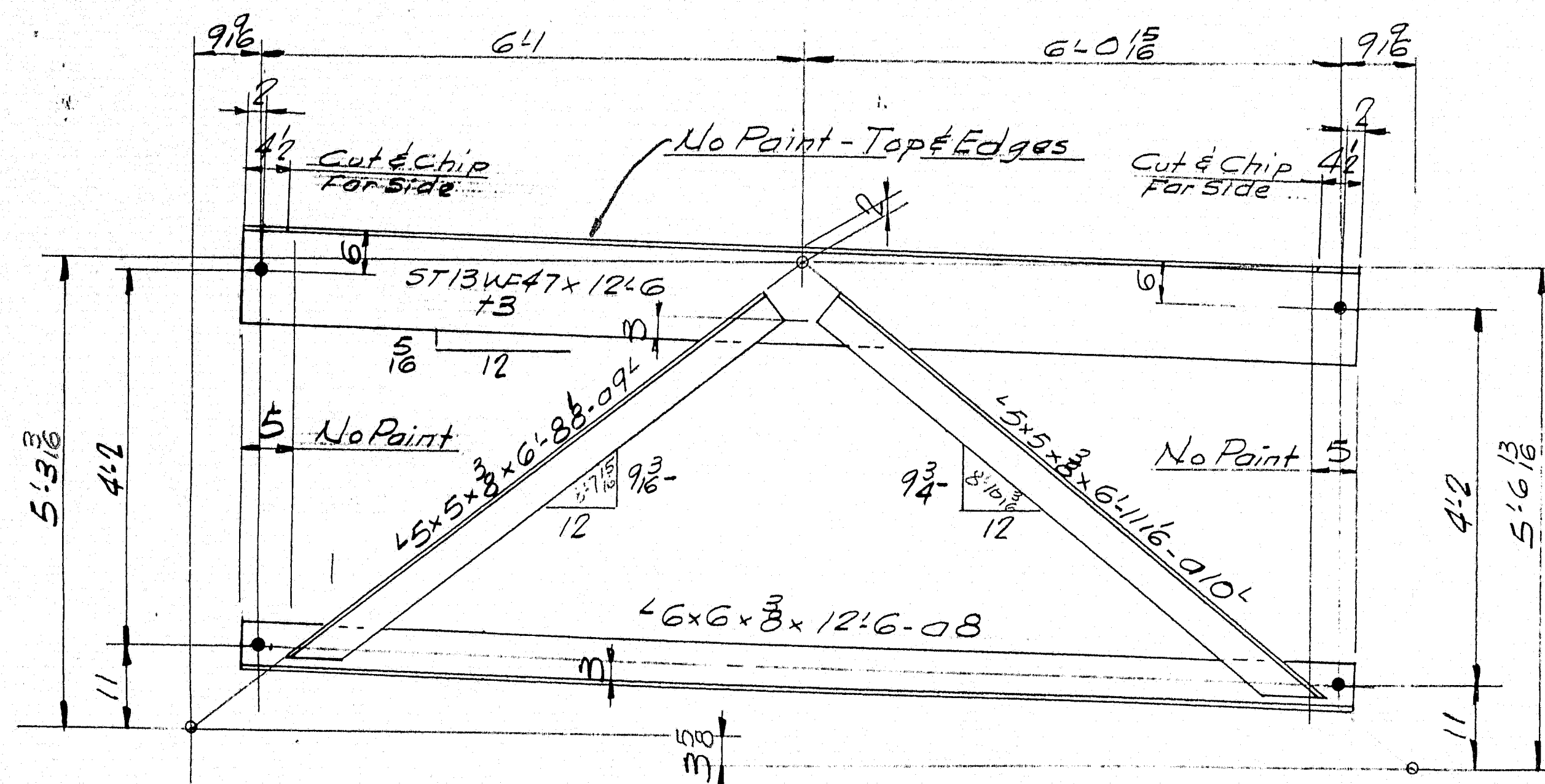
89-131



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 | 12 | 5 1/2 | |
| G2NB | 1 | | Do | 12 | 5 1/2 | |
| G3NB | 1 | | Do | 12 | 5 1/2 | |
| | 1 | +2 | 5T13WF47 | 12 | 5 1/2 | |
| | 1 | +3 | Do | 12 | 6 | |
| | 1 | +5 | 6x6x3/8 | 12 | 5 1/2 | |
| | 1 | +6 | 15x5x3/8 | 6 | 10 | |
| | 1 | +7 | Do | 6 | 10 | |
| | 1 | +7R | Do | 6 | 9 | |
| | 1 | +7L | 15x5x3/8 | 6 | 9 | |
| | 1 | +8 | 6x6x3/8 | 12 | 6 | |
| | 1 | +9 | 15x5x3/8 | 6 | 8 1/2 | |
| | 1 | +10 | Do | 6 | 11 1/2 | |
| | 1 | +4 | 5T13WF47 | 12 | 5 1/2 | |
| | 1 | +11 | 6x6x3/8 | 12 | 5 1/2 | |
| FIELD | 12 | | 3/4" M BOLTS | 0 | 24 | |

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

ITEM 702-103B

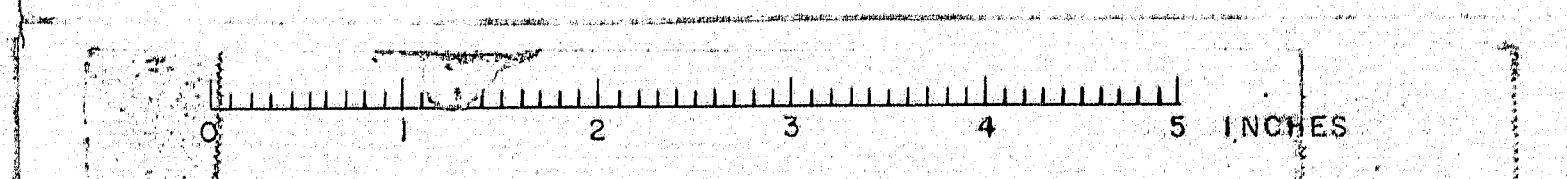
SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES: 1/8" Ø
PAINT: Per Maine Specs. & as noted

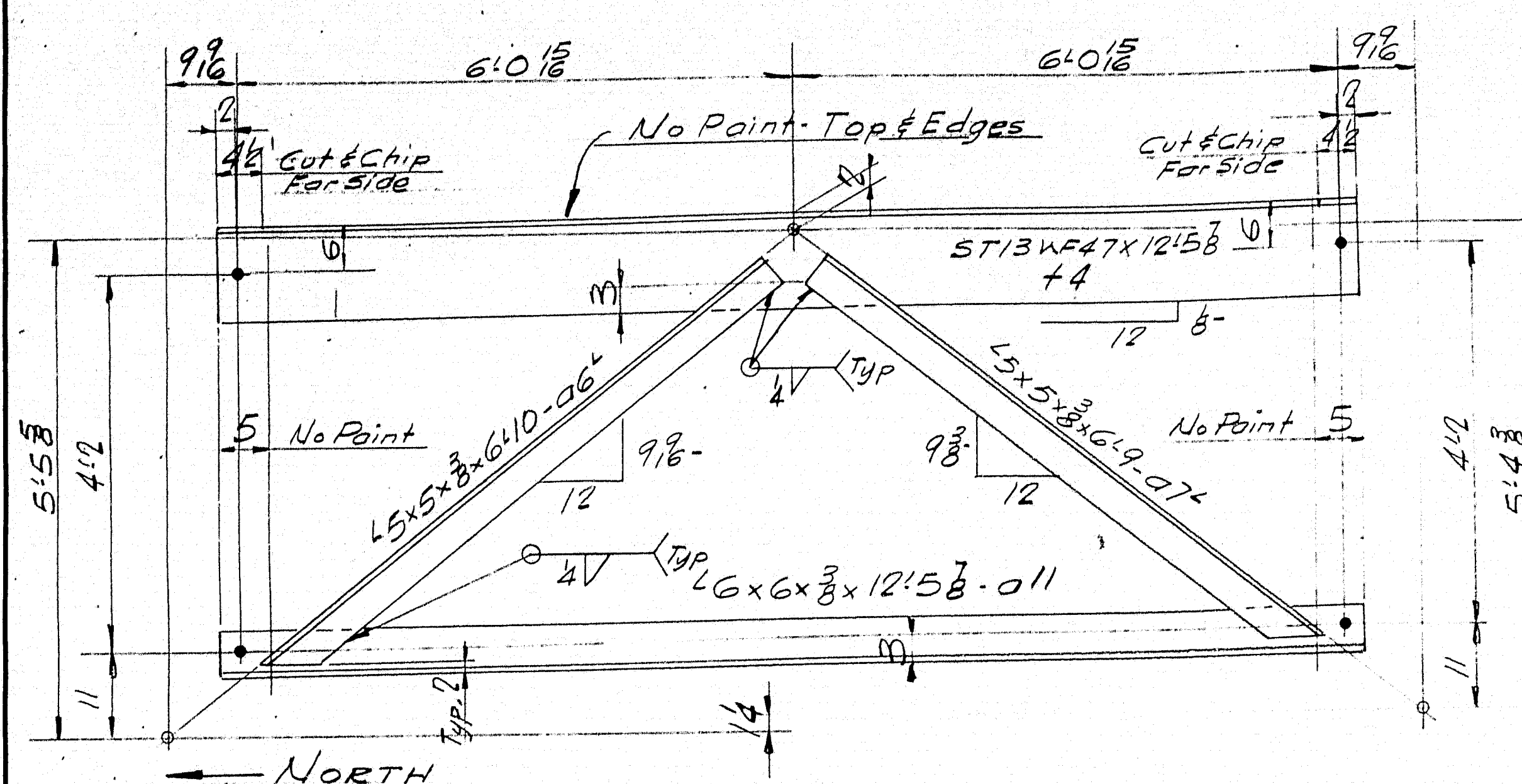
SPANS G1NB.
CROSS FRAMES TYPE G.
Bancroft & Martin Inc.
South Portland, Maine
CLINTON A. CLAUSON MENT. BRIDGE
FAIRFIELD, MAINE

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

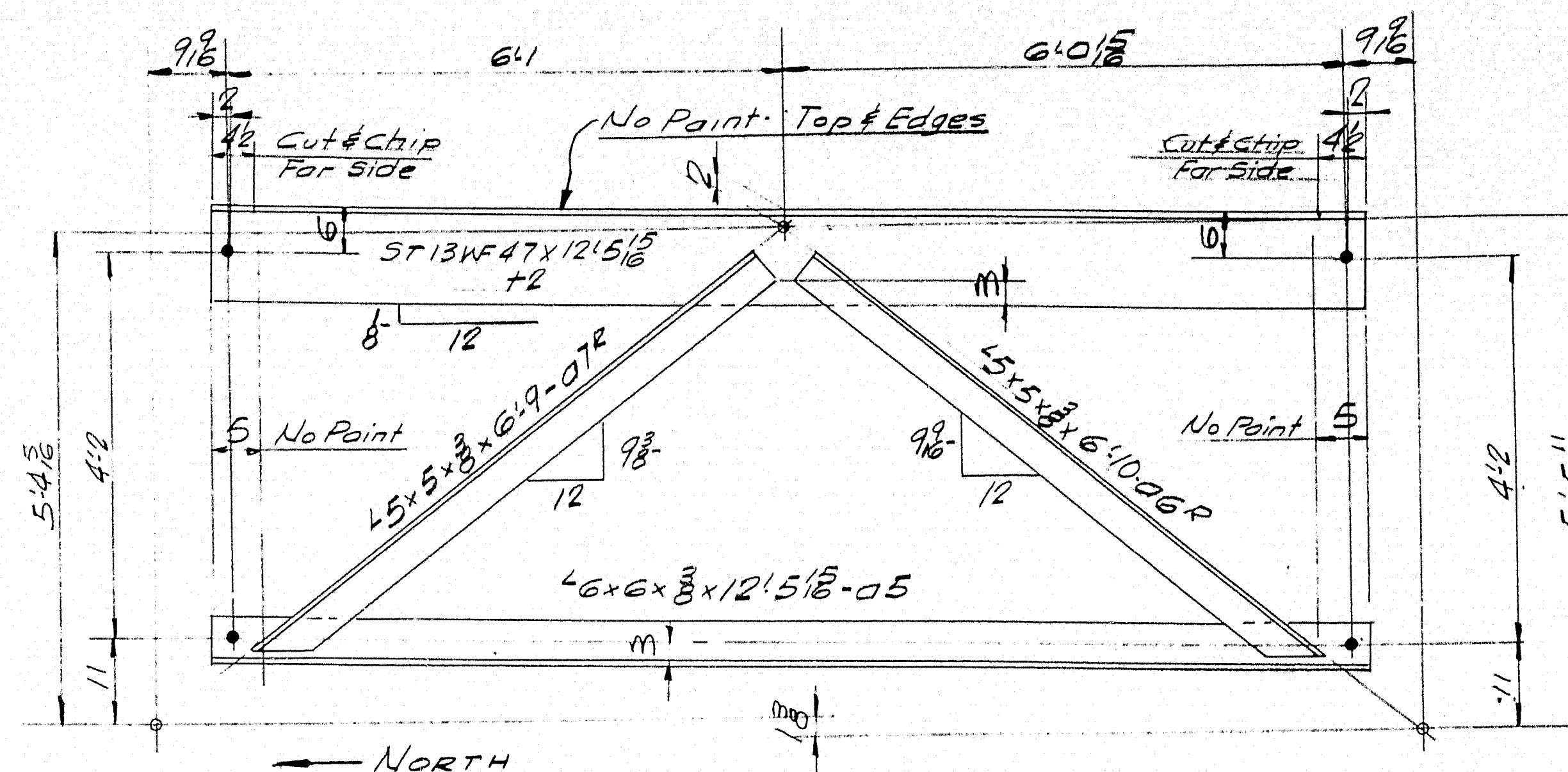
APR 2-19-63

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

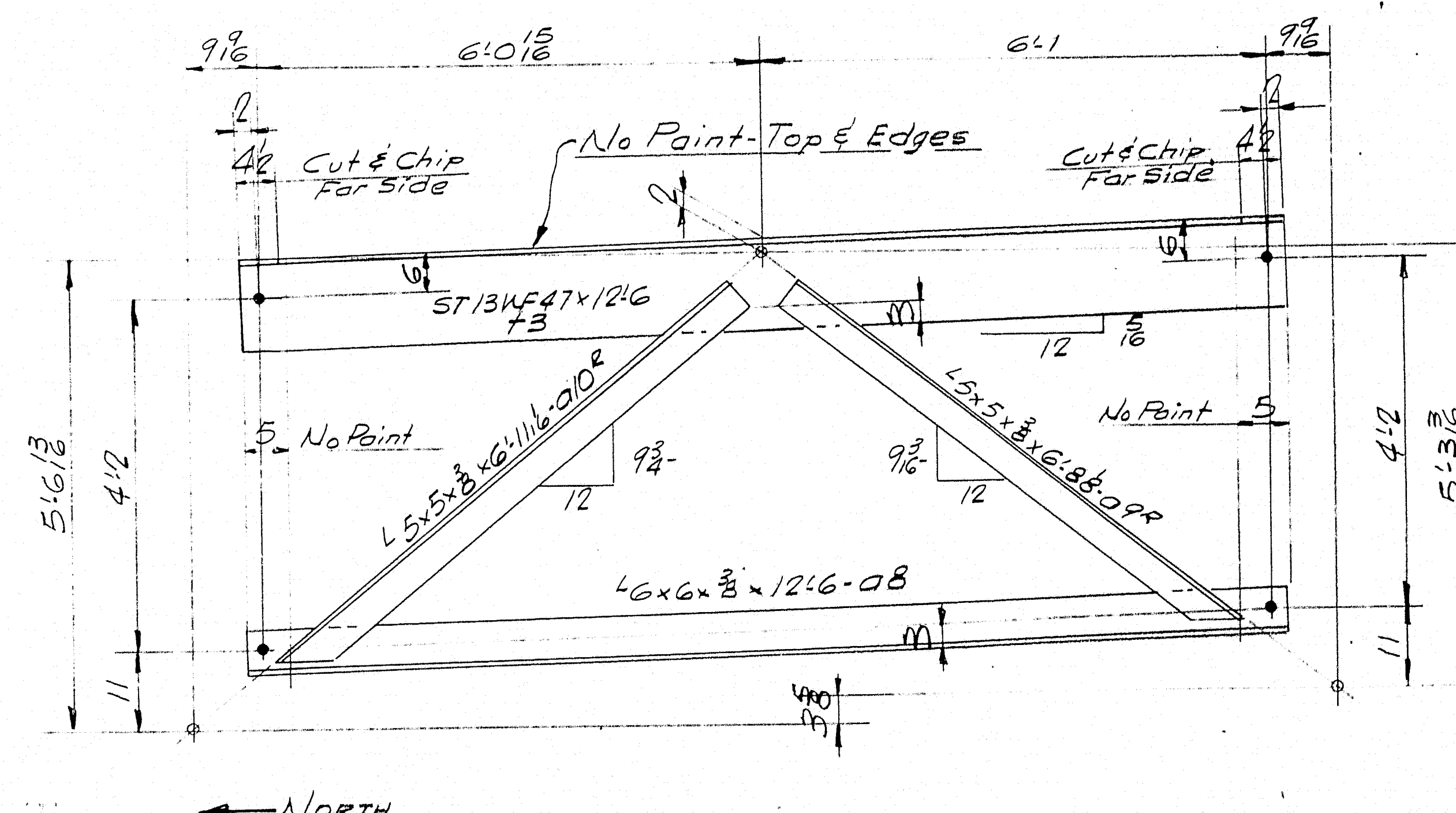




G5NB-2 REQ'D.



G4NB-2 REQ'D.



G6NB-2 REQ'D.

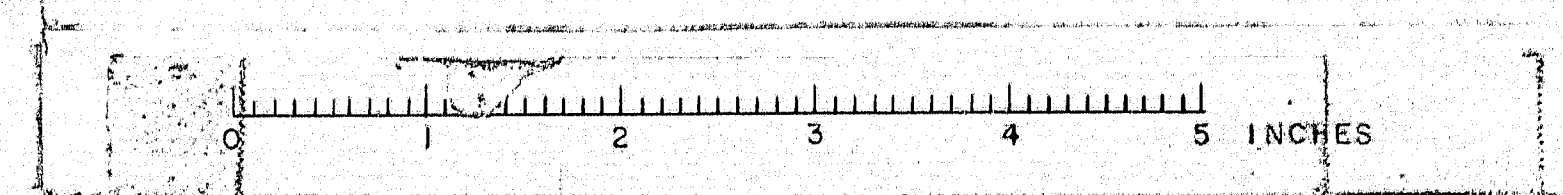
| SHIP | | BILL OF MATERIAL | | | | DWG. NO. 63-5-523 |
|---------------------------|-----|------------------|--------------|------------|-----|-------------------|
| MARK | NO. | MARK | SHAPE | LENGTH | WT. | REMARKS |
| G4NB | 2 | | CROSS FRAME | 12' 5 1/2" | — | |
| G5NB | 2 | | Do | 12' 5 1/2" | — | |
| G6NB | 2 | | Do | 12' 5 1/2" | — | |
| | 2 | +2 | 5T13WF47 | 12' 5 1/2" | | |
| | 2 | +3 | Do | 12' 6" | | |
| | 2 | +4 | Do | 12' 5 1/2" | | |
| | 2 | 05 | 16x6x3/8 | 12' 5 1/2" | | |
| | 2 | 06R | 15x5x3/8 | 6' 10" | | |
| | 2 | 06L | | 6' 10" | | |
| | 2 | 07R | | 6' 9" | | |
| | 2 | 07L | 15x5x3/8 | 6' 9" | | |
| | 2 | 08 | 16x6x3/8 | 12' 6" | | |
| | 2 | 09R | 15x5x3/8 | 6' 8 1/2" | | |
| | 2 | 10R | Do | 6' 11 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: 1/2" 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 INC.
ORDER NO. VERBAL DWG. NO. 63-5-523

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

89-133

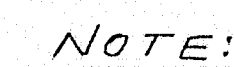


[illegible]

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.

APPROVED 2-28-63

SPANS 6-718 SB & 6-7NB

STUD DETAILS & DIM. @ GIRDERS

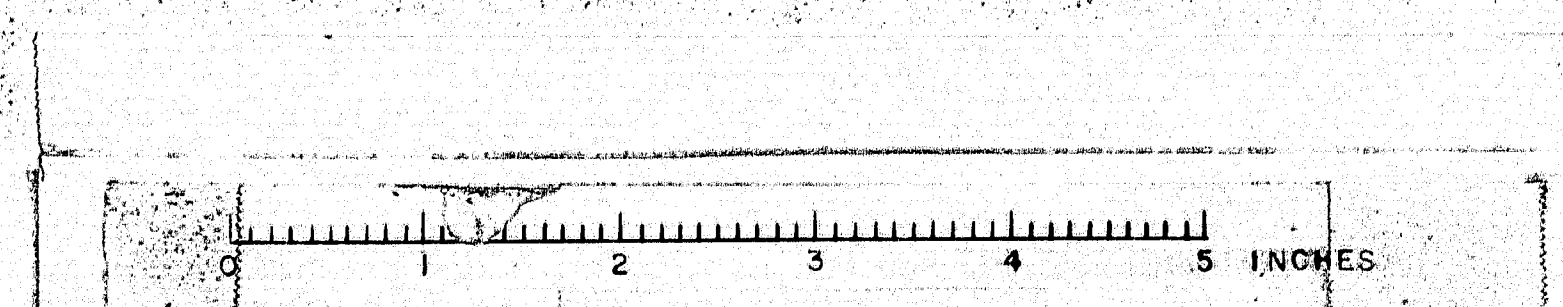
Pennecroft & Martin Inc.
South Portland 7, Maine

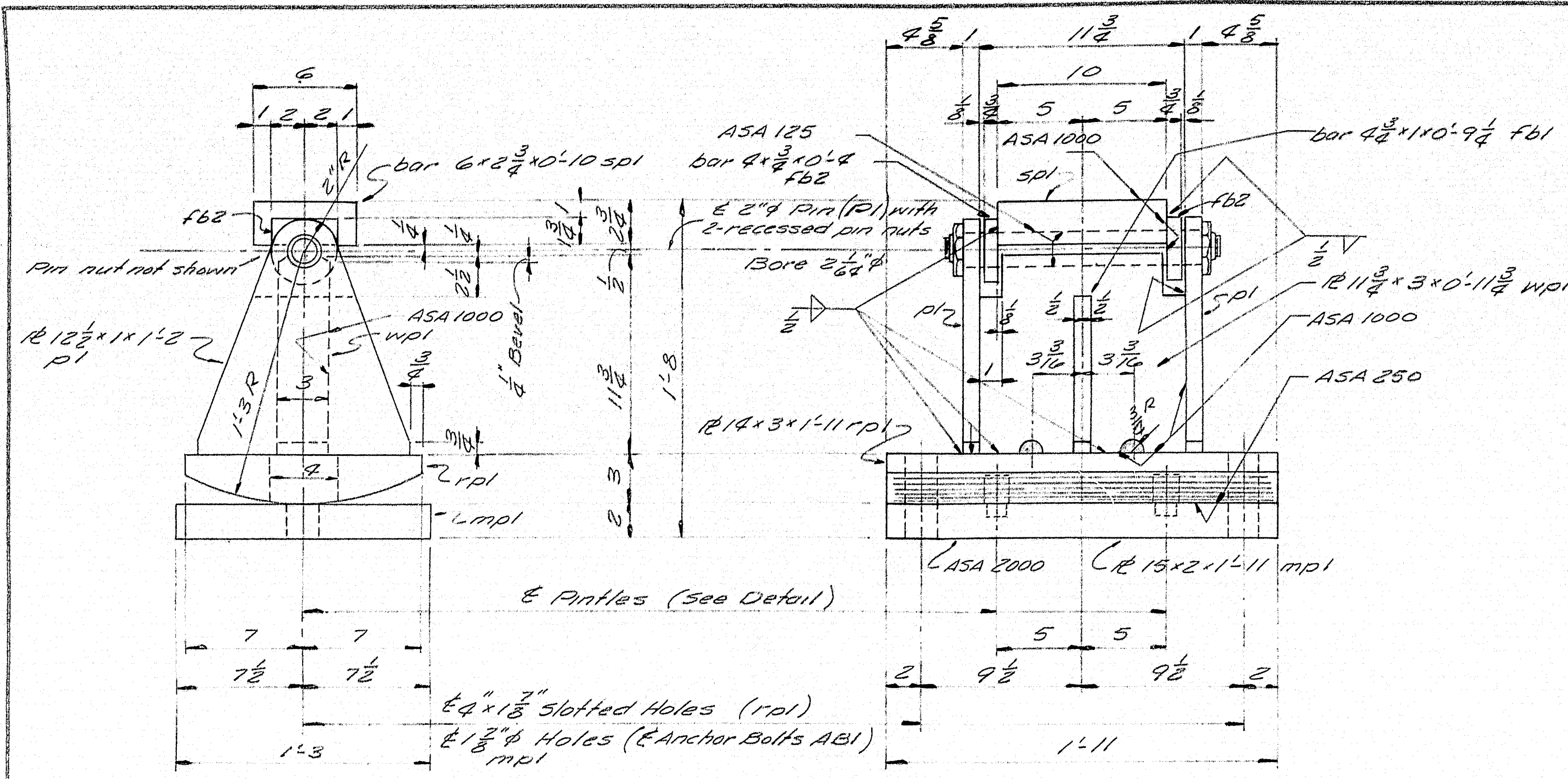
CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE

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

ORDER NO. VERBAL DWG. NO. 63-5-S24

89-154



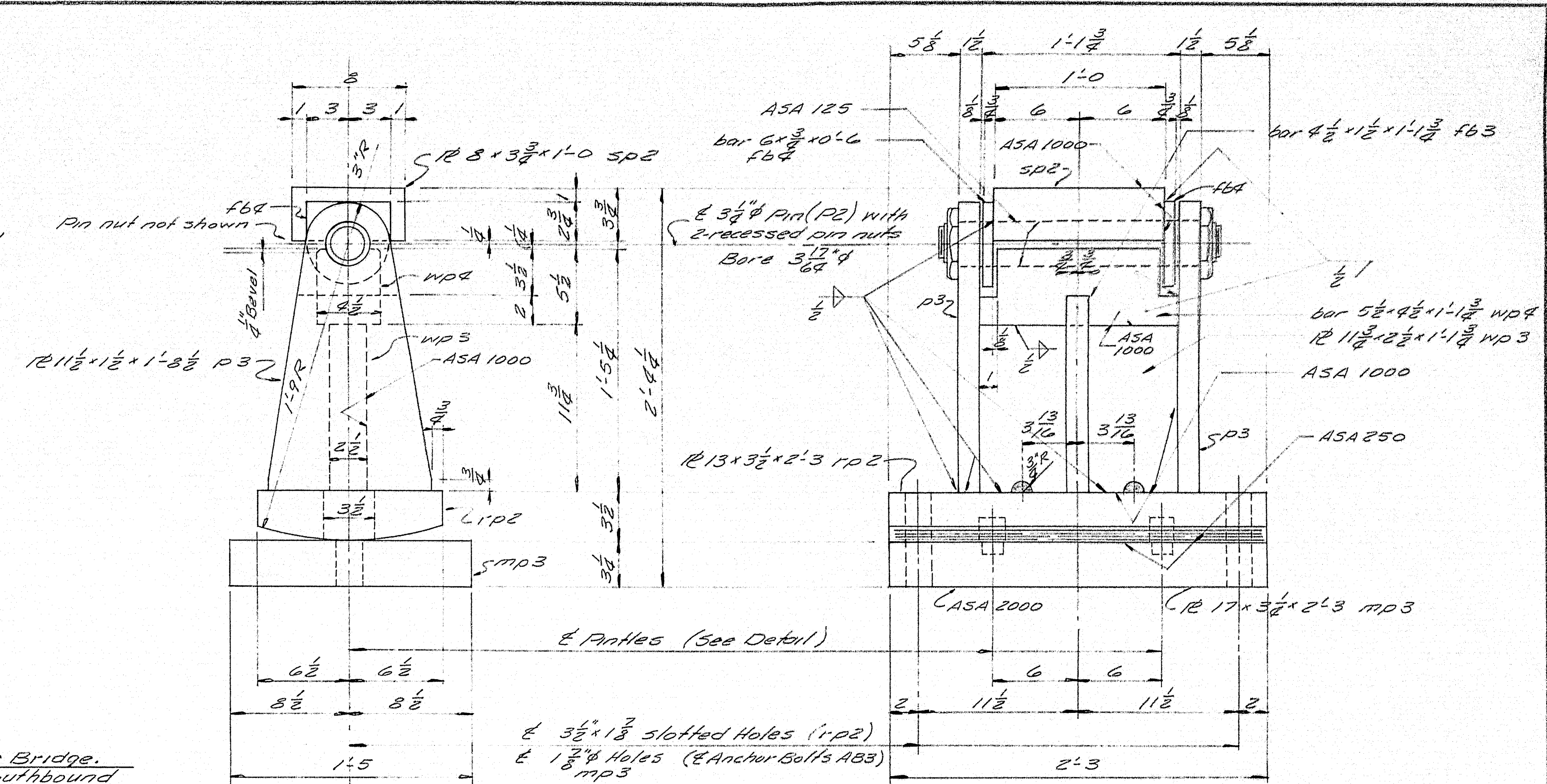


EXPANSION PEDESTAL - ABUTMENT 1

EPI 4-REQ'D.

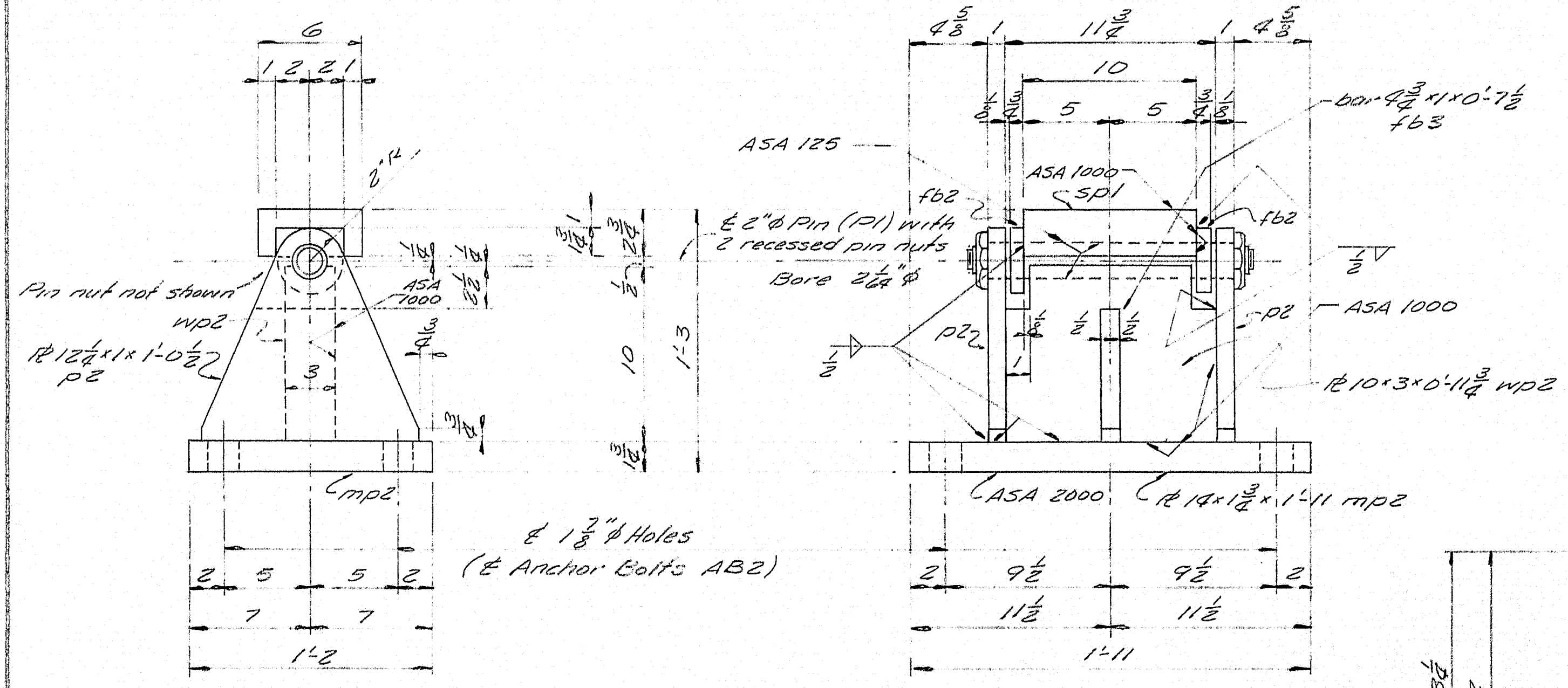
NOTE

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



EXPANSION PEDESTAL PIERS 1, 2, 3 & 4

EP2 16-REQ'D.

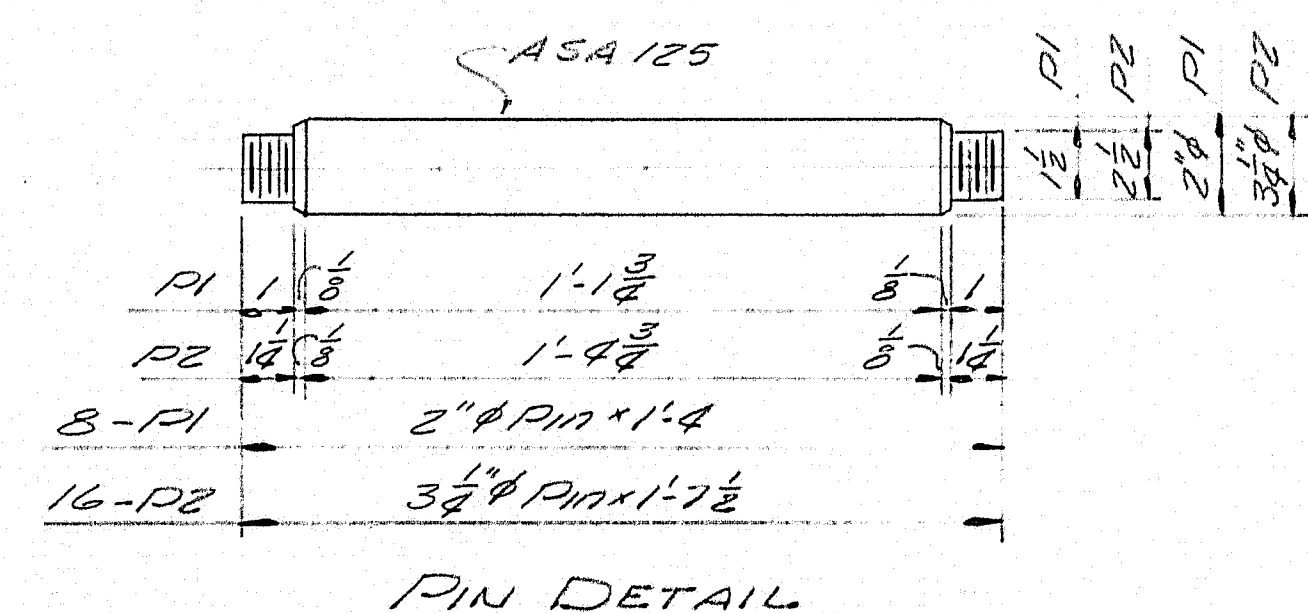


FIXED PEDESTAL - PIER 5, SPAN 5

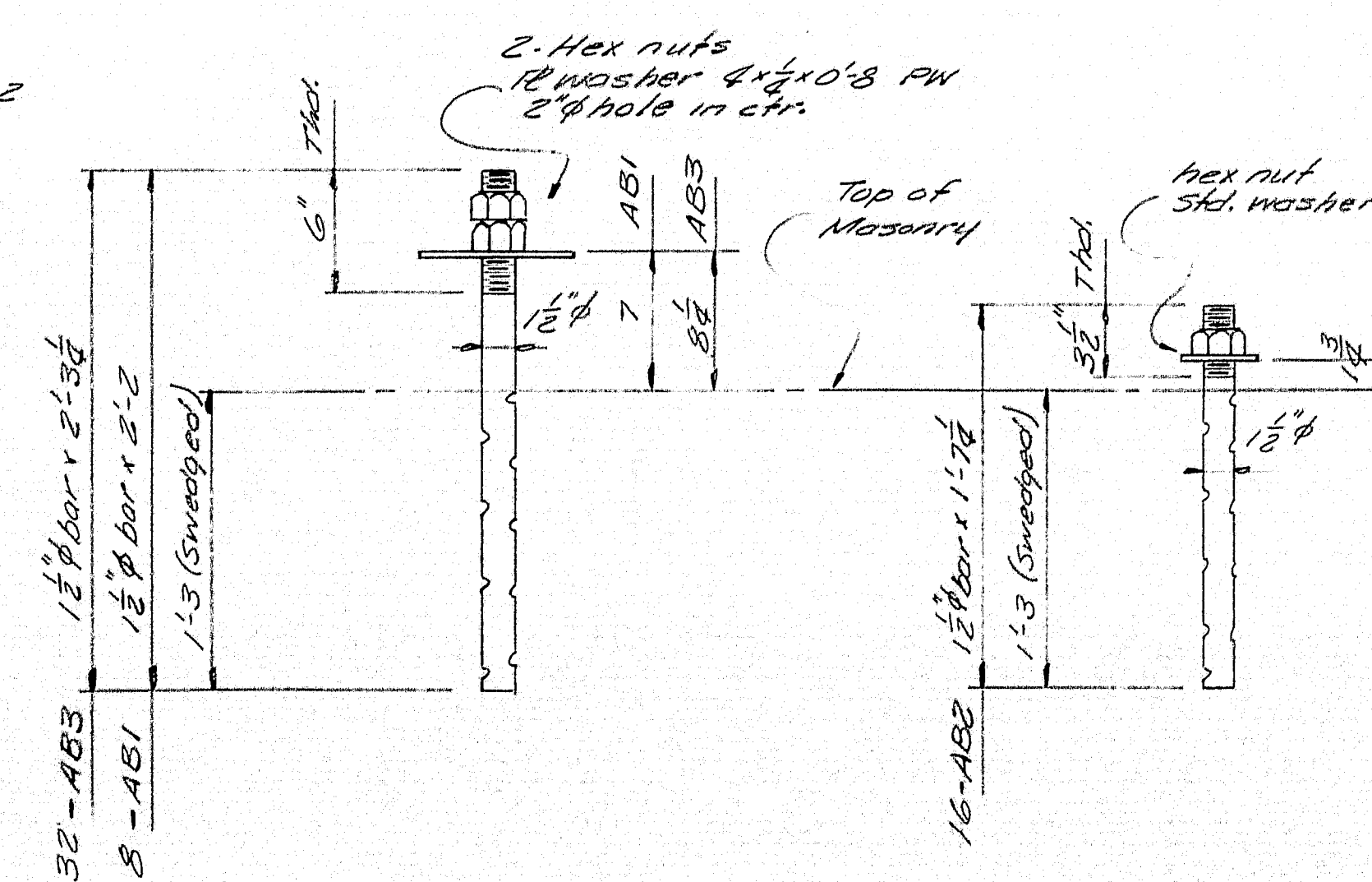
FPI 4-REQ'D.

PAINT NOTE

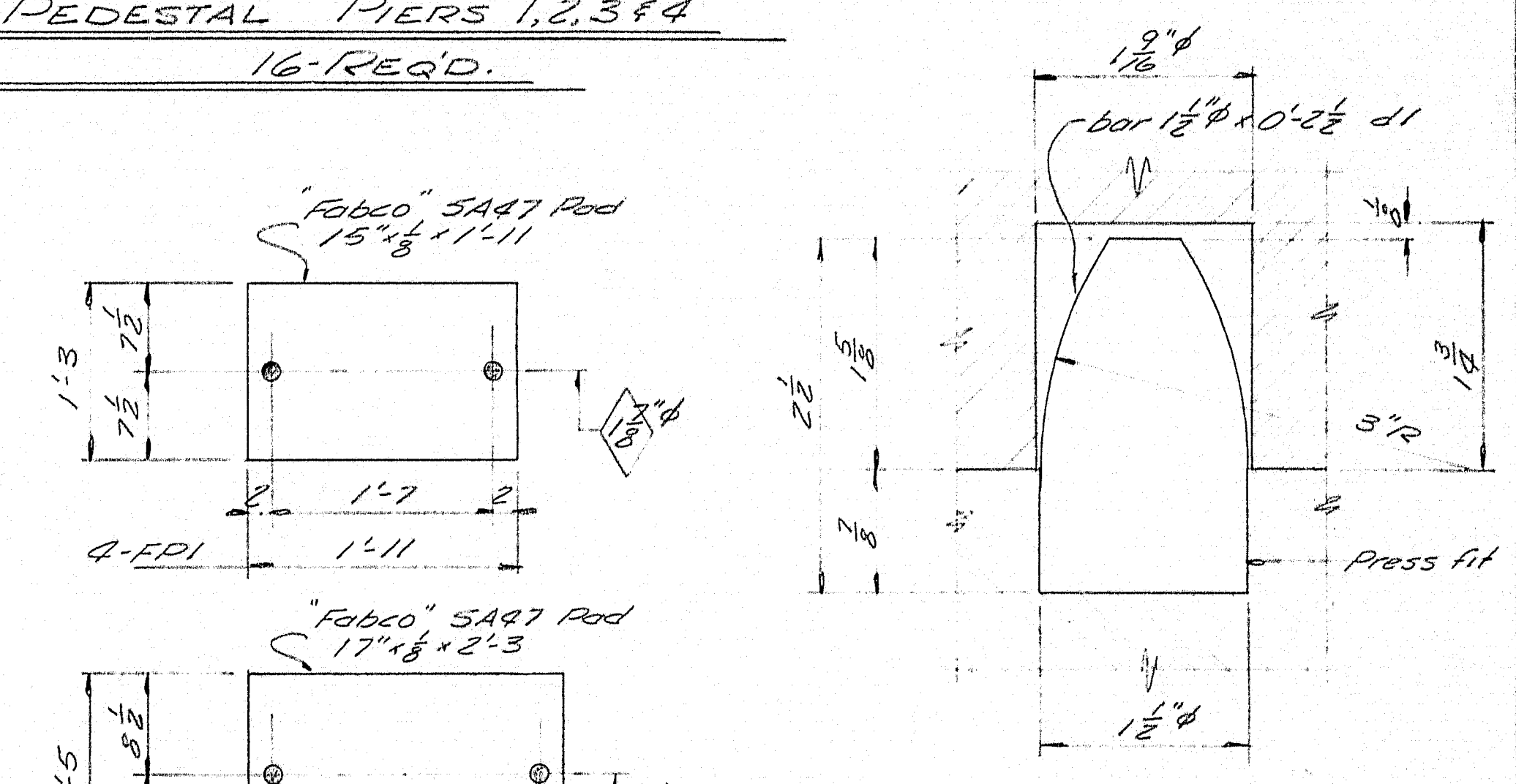
No paint on surfaces finished ASA 125 or ASA 250. Coat
 with hot mixture of white lead and tallow.
 No paint on top surface and 3/4\"/>



PIN DETAIL



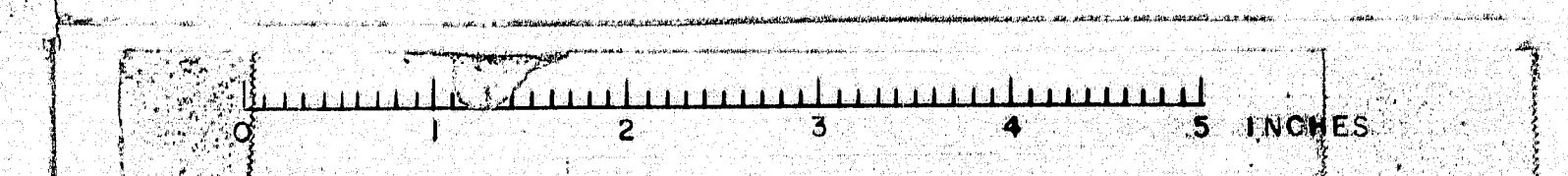
ANCHOR BOLTS

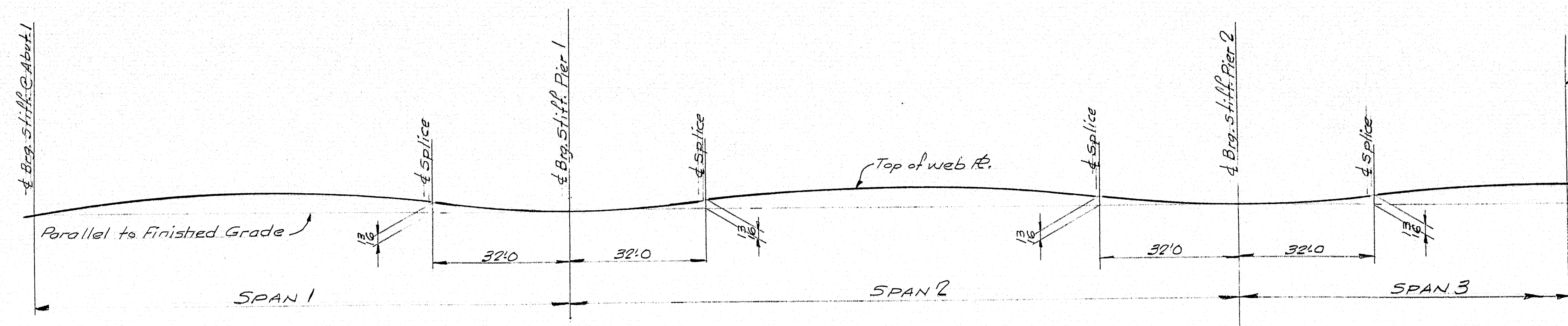


PINTLE DETAIL

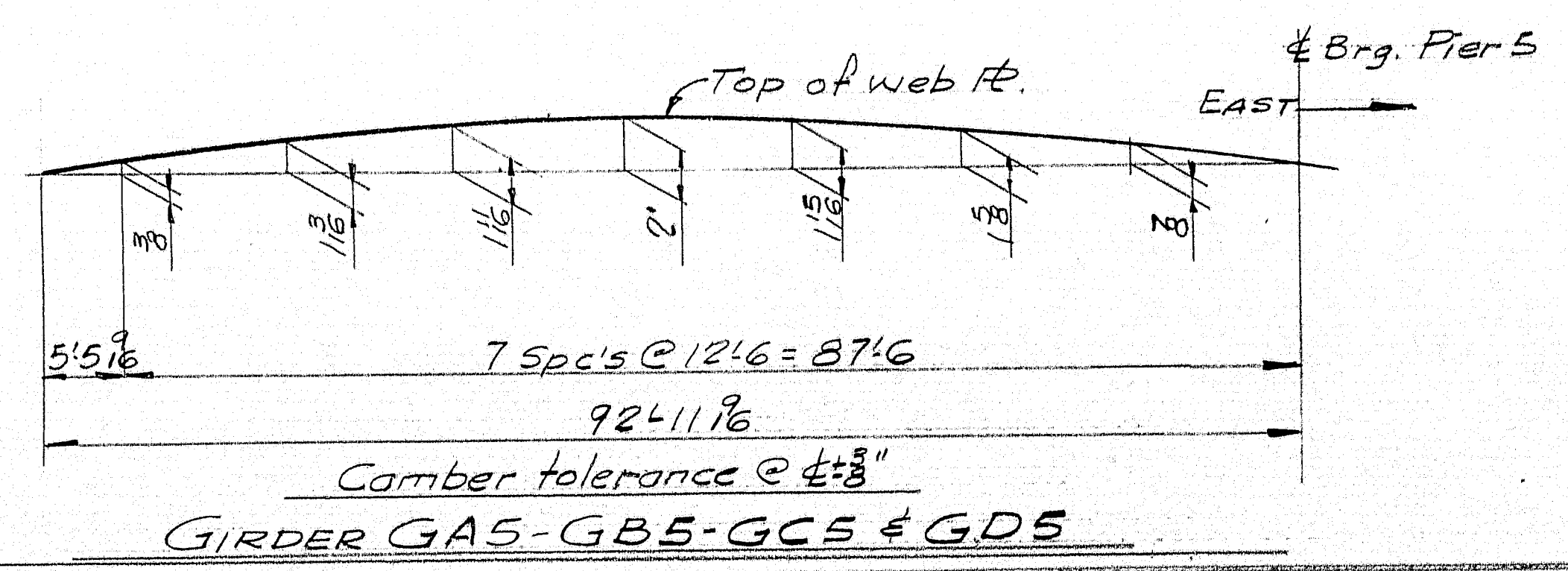
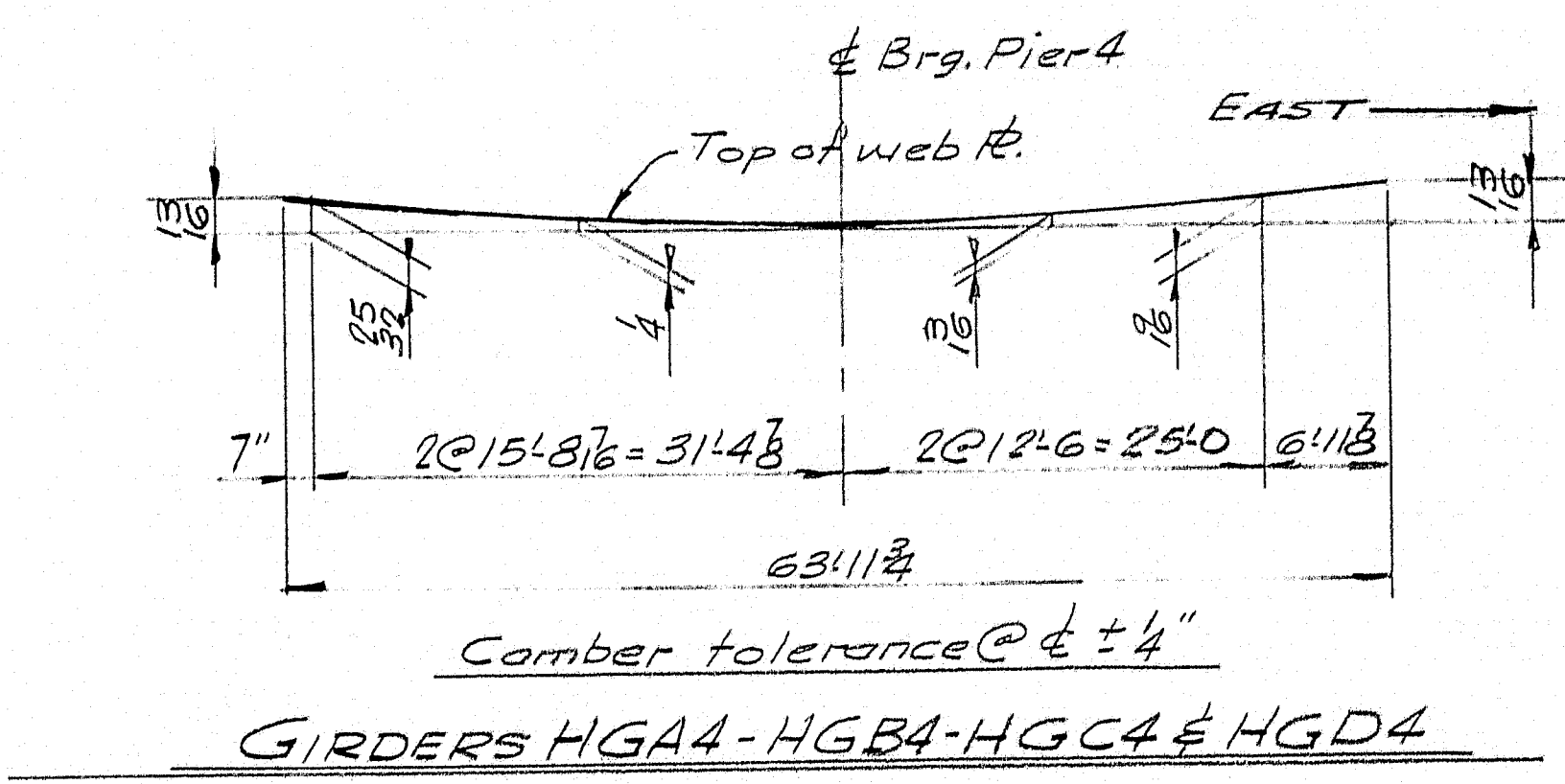
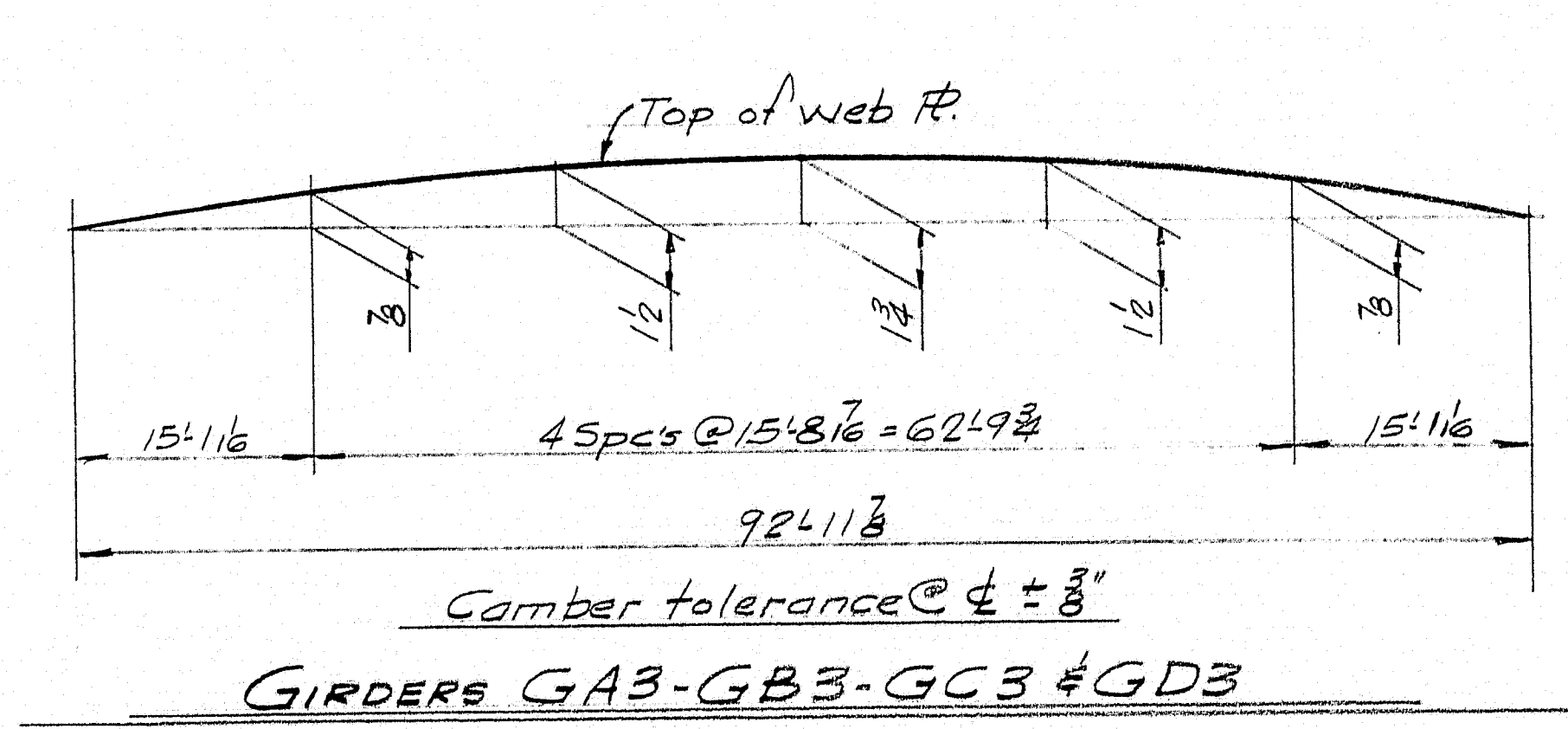
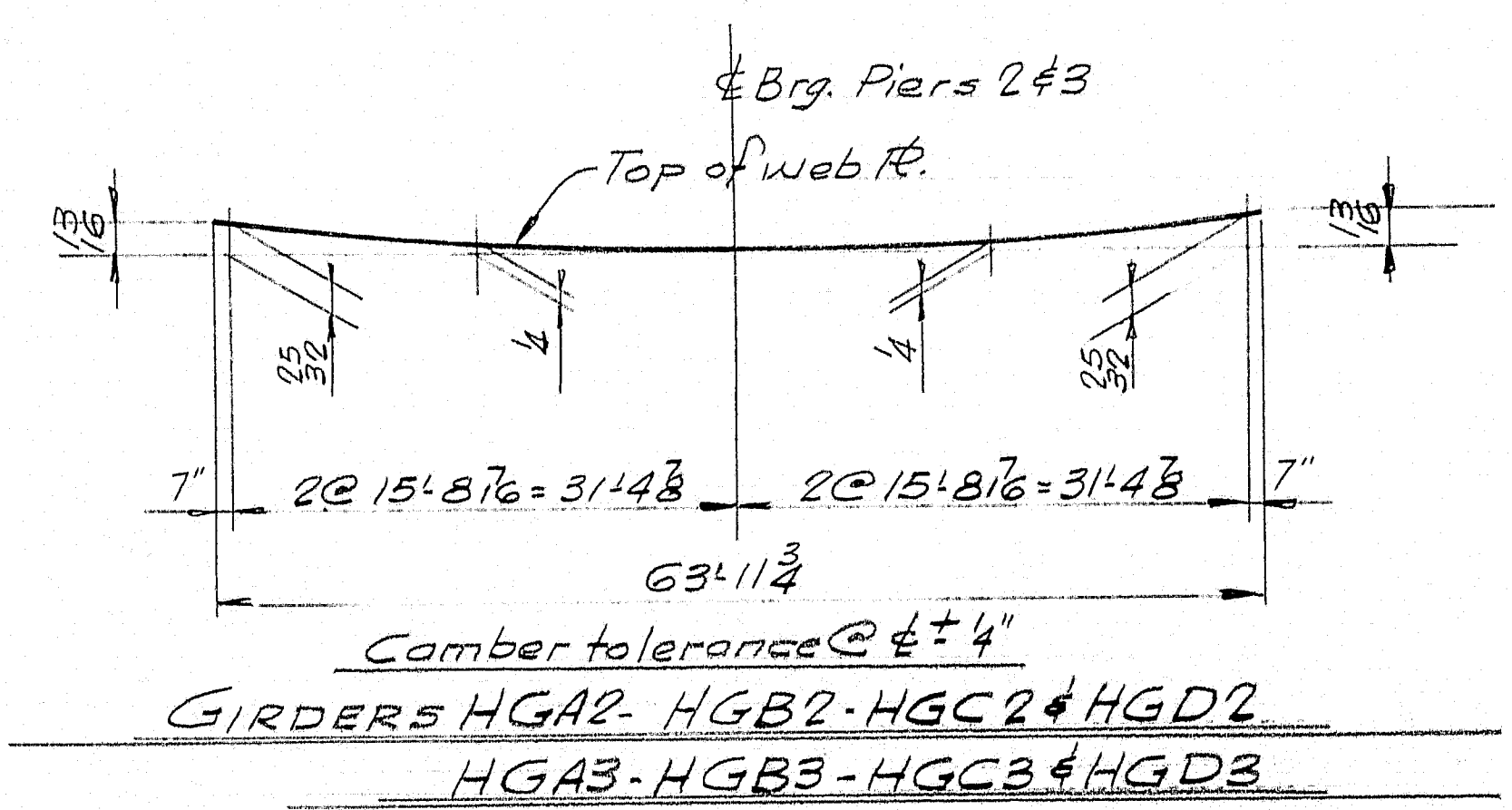
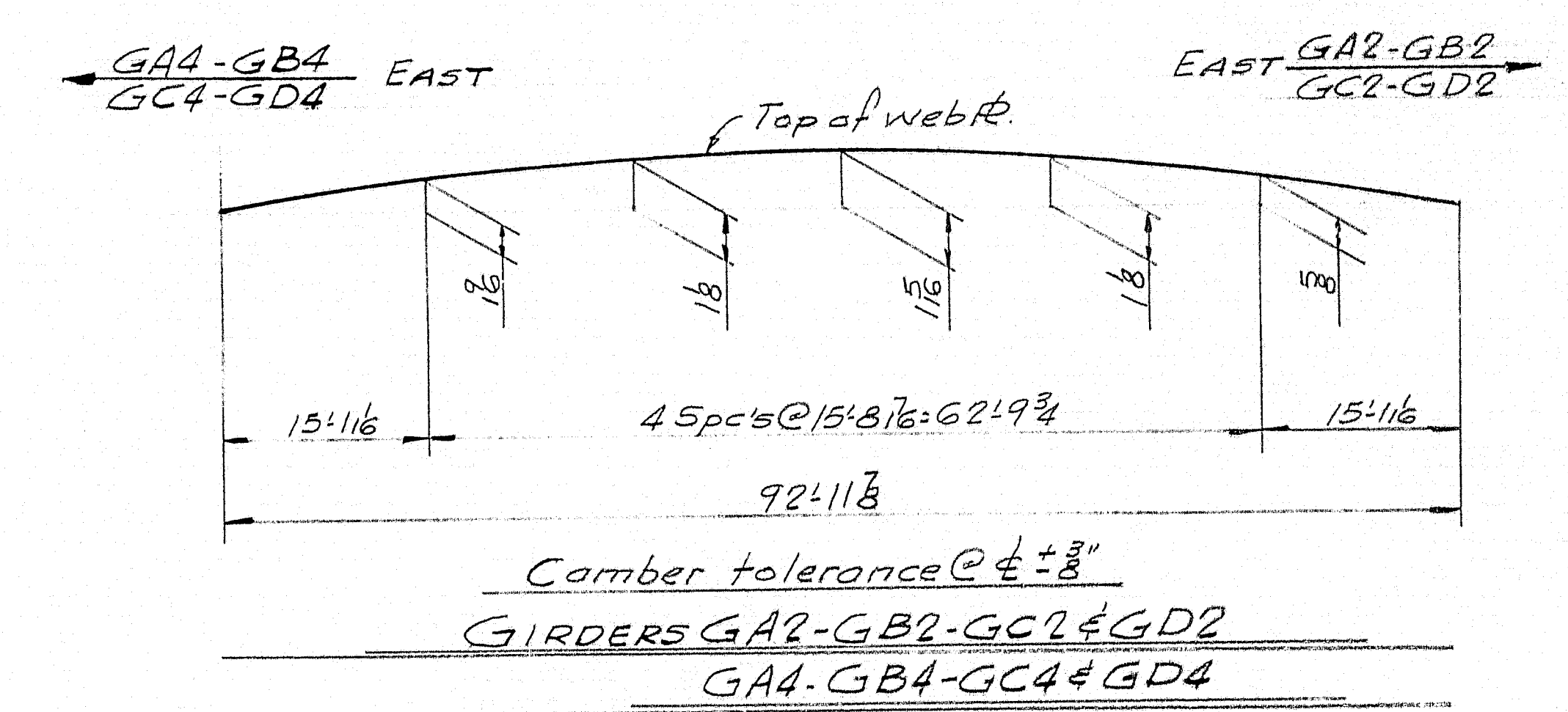
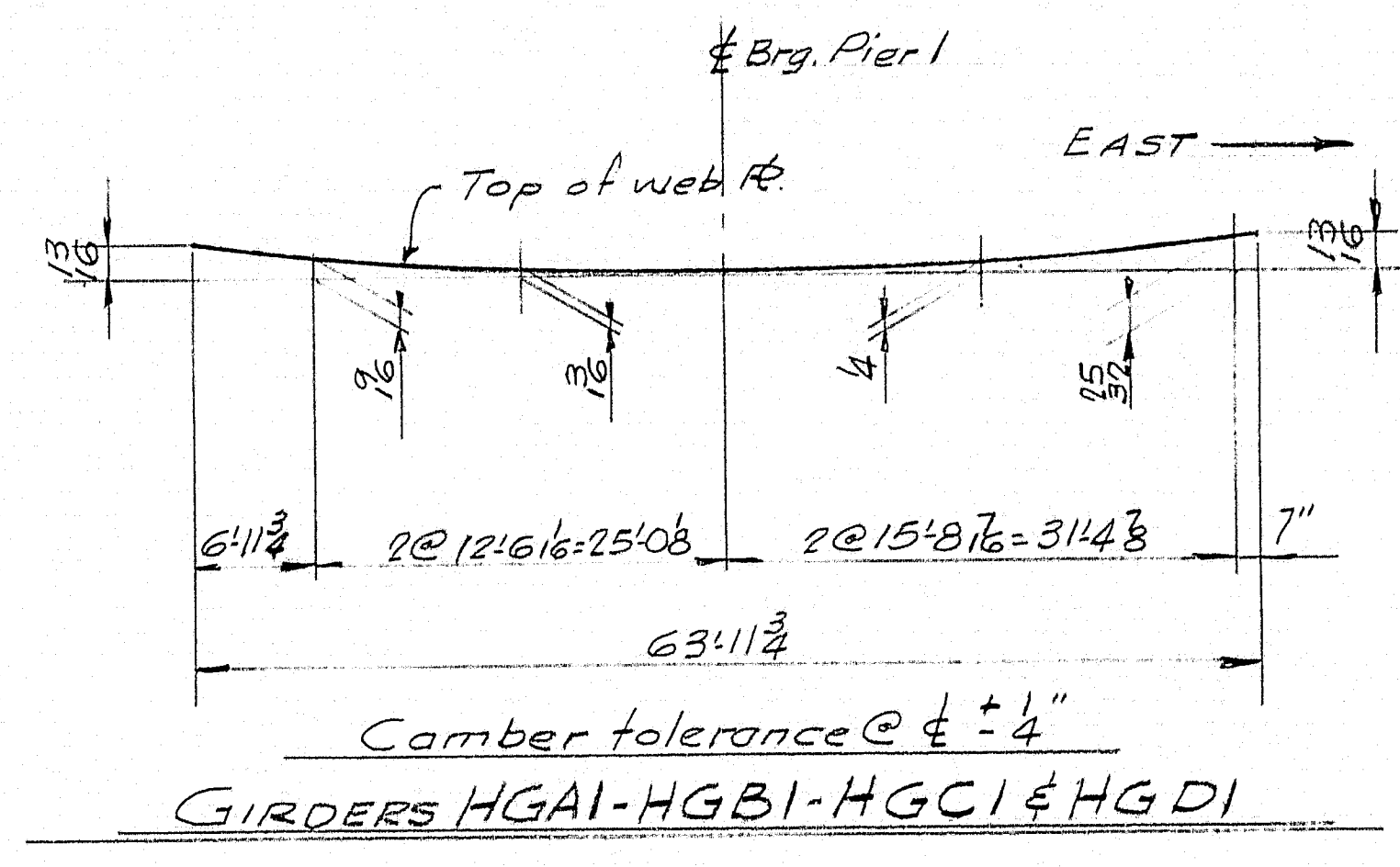
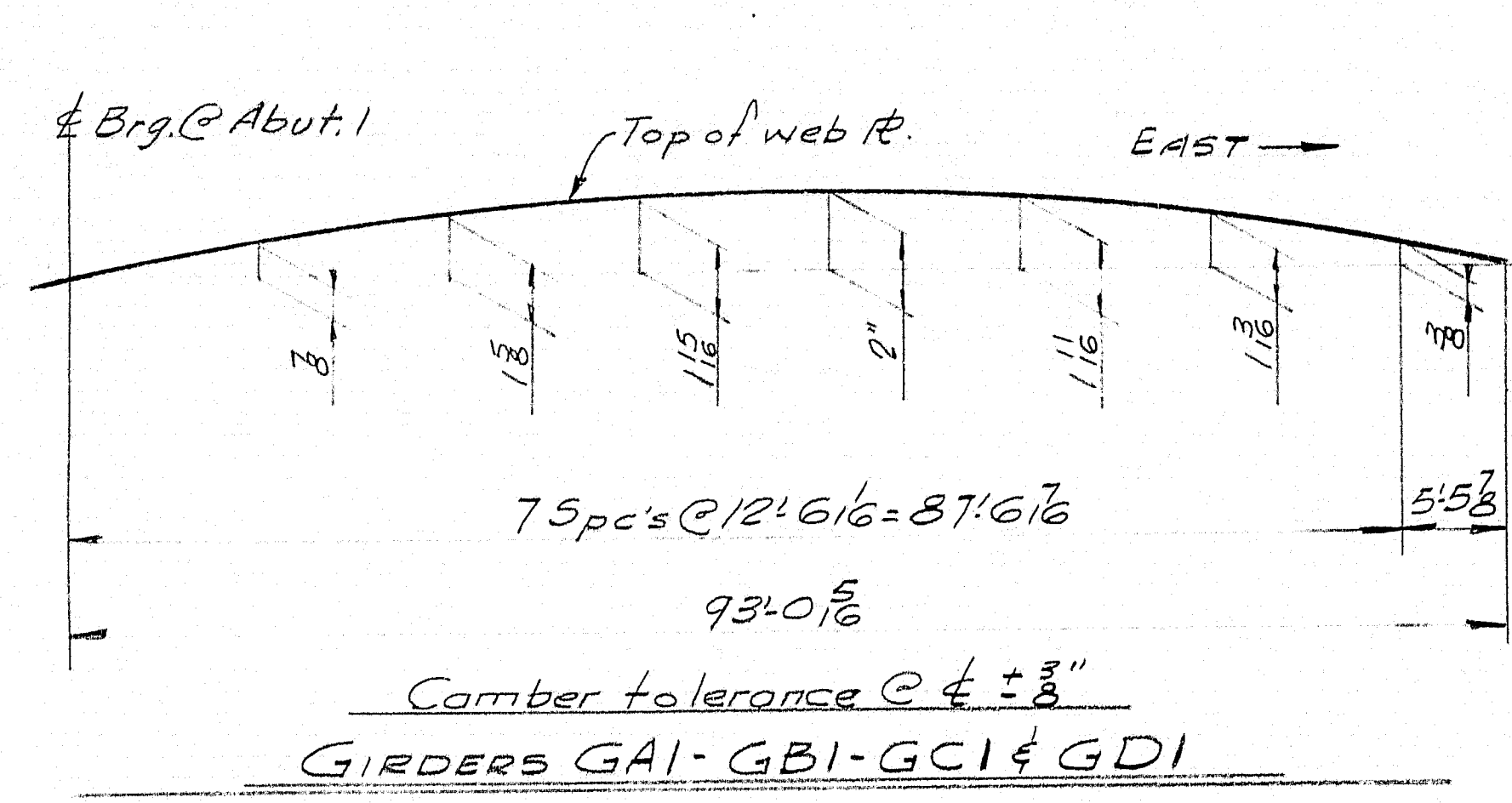
| | |
|---|-------------------|
| SPANS 1 TO 5 N.B. & S.B. | |
| PEDESTAL DETAIL | |
| Bancroft & Martin Rolling Mills Company | |
| South Portland 1, Maine | |
| CLINTON A. CLAUSON | |
| MEMORIAL BRIDGES | |
| FAIRFIELD, MAINE. | |
| CUSTOMER E.C. SNOODGRASS INC. | |
| DESIGNER MAINE S.H.C. BRIDGE DIV. | |
| ORDER NO. Verbal | DWG. NO. 63-5-531 |

| | | |
|----------|---------|------|
| DRAWN | 3-12-63 | M.L. |
| REVISION | | |
| REVISION | | |
| REVISION | | |





SHOP ASSEMBLY DIAGRAM
For All Girder lines

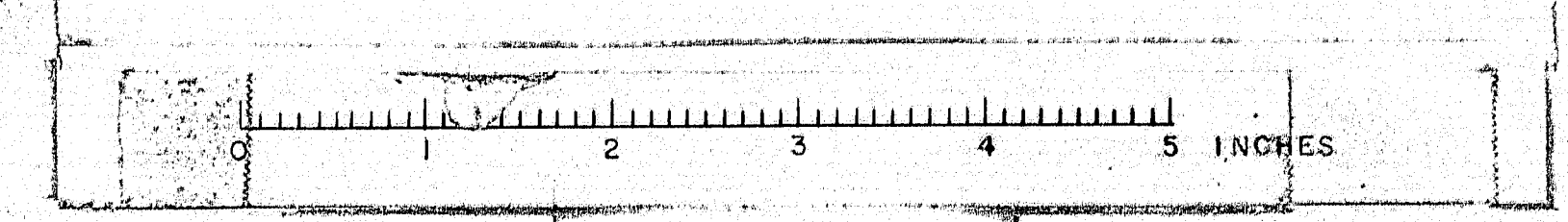


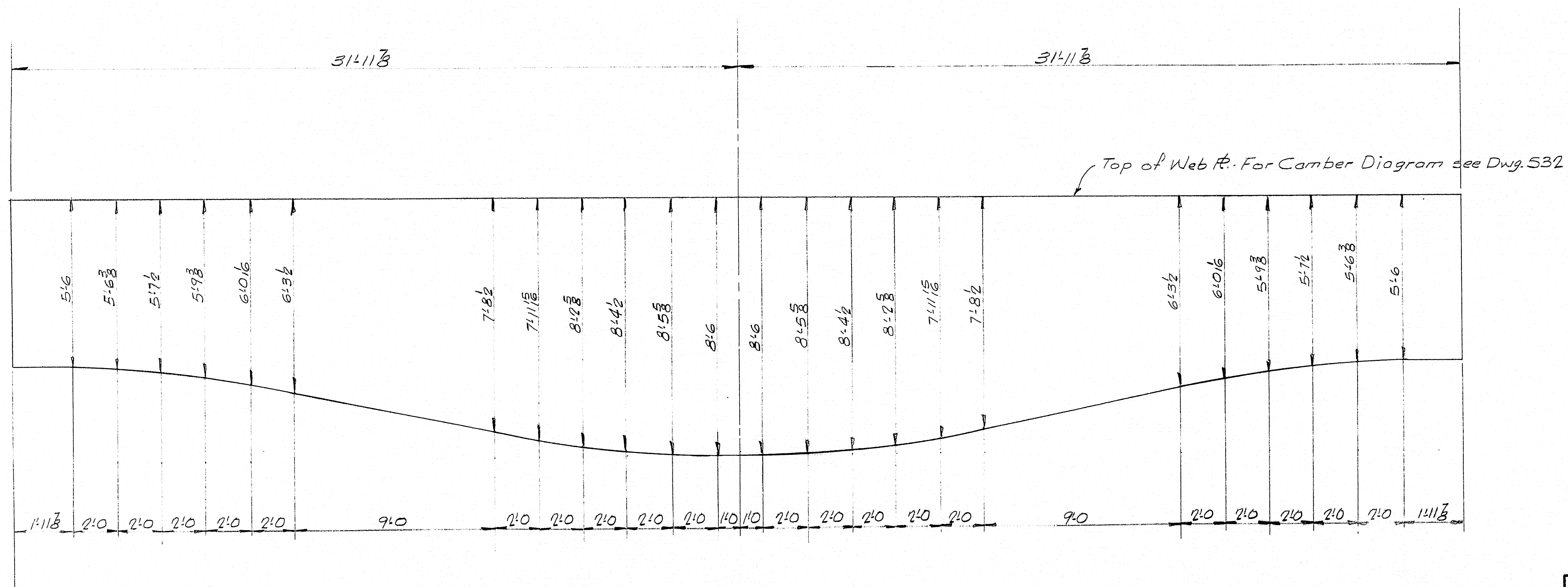
CAMBER DIAGRAMS

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 | |



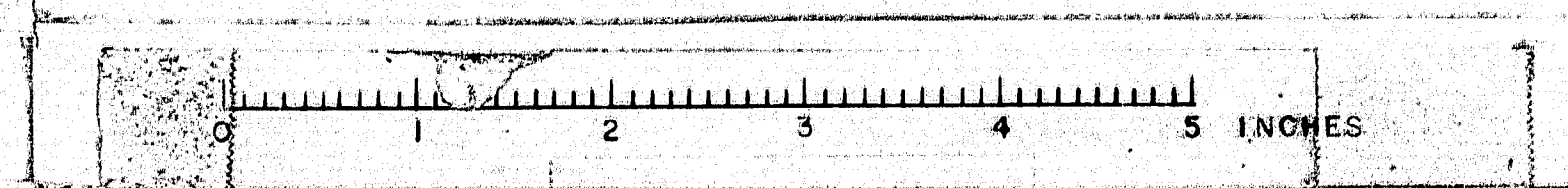


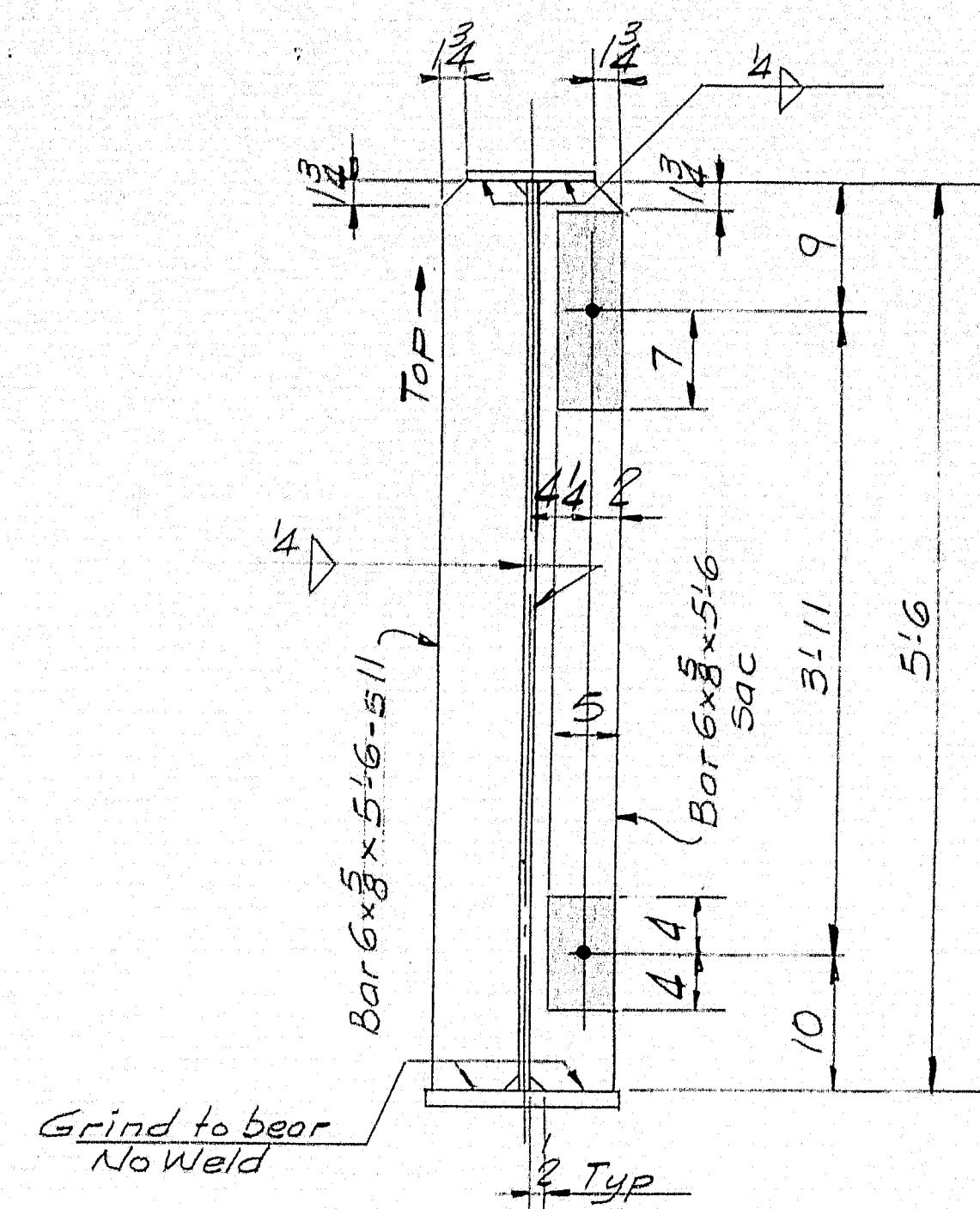
Cut From $\# 104\frac{1}{2} \times \frac{1}{2} \times 64\frac{1}{2}$

Ends of $\#$ to be normal to top edge of $\#$.

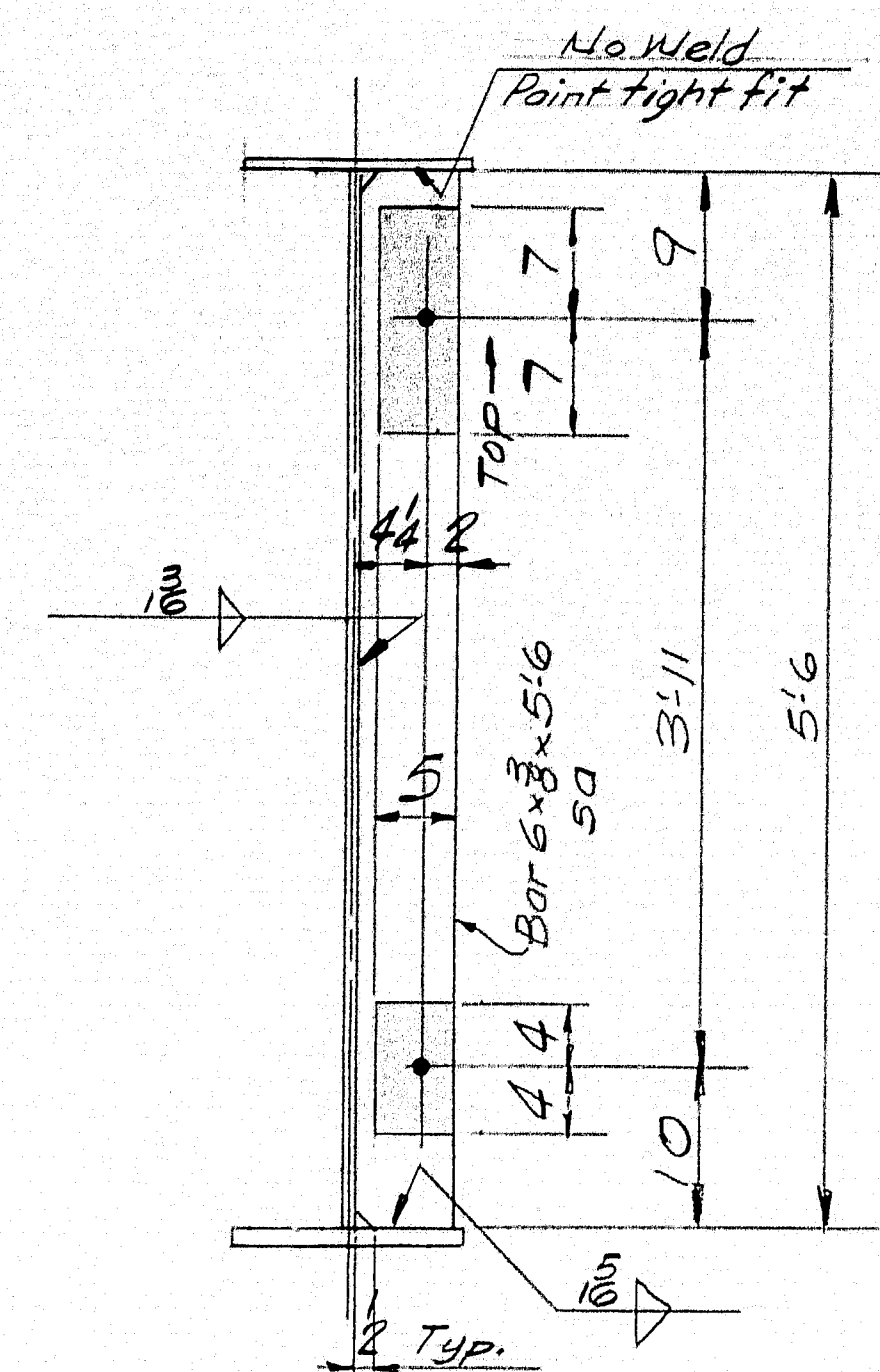
| | | |
|-------------------------|--|---------------------------|
| APR 3-29-63 | SPANS 1 to 5 S.B. & N.B. | |
| | WEB PLATES $\#$ W7 & $\#$ W7a | |
| | Bancroft & Martin Rolling Mills Company South Portland, Maine | |
| | CLINTON A. CLAUSON MEM. BRIDGE FAIRFIELD, MAINE | |
| | CUSTOMER <u>F.C. SNODGRASS, INC.</u> DESIGNER <u>MAINE S.H.C. BRIDGE DIV.</u> | |
| ORDER NO. <u>VERBAL</u> | | DWG. NO. <u>63-6-S32A</u> |

| | |
|----------|----------------|
| DRAWN | 2-21-63 J.P.F. |
| REVISION | |
| REVISION | |
| REVISION | |

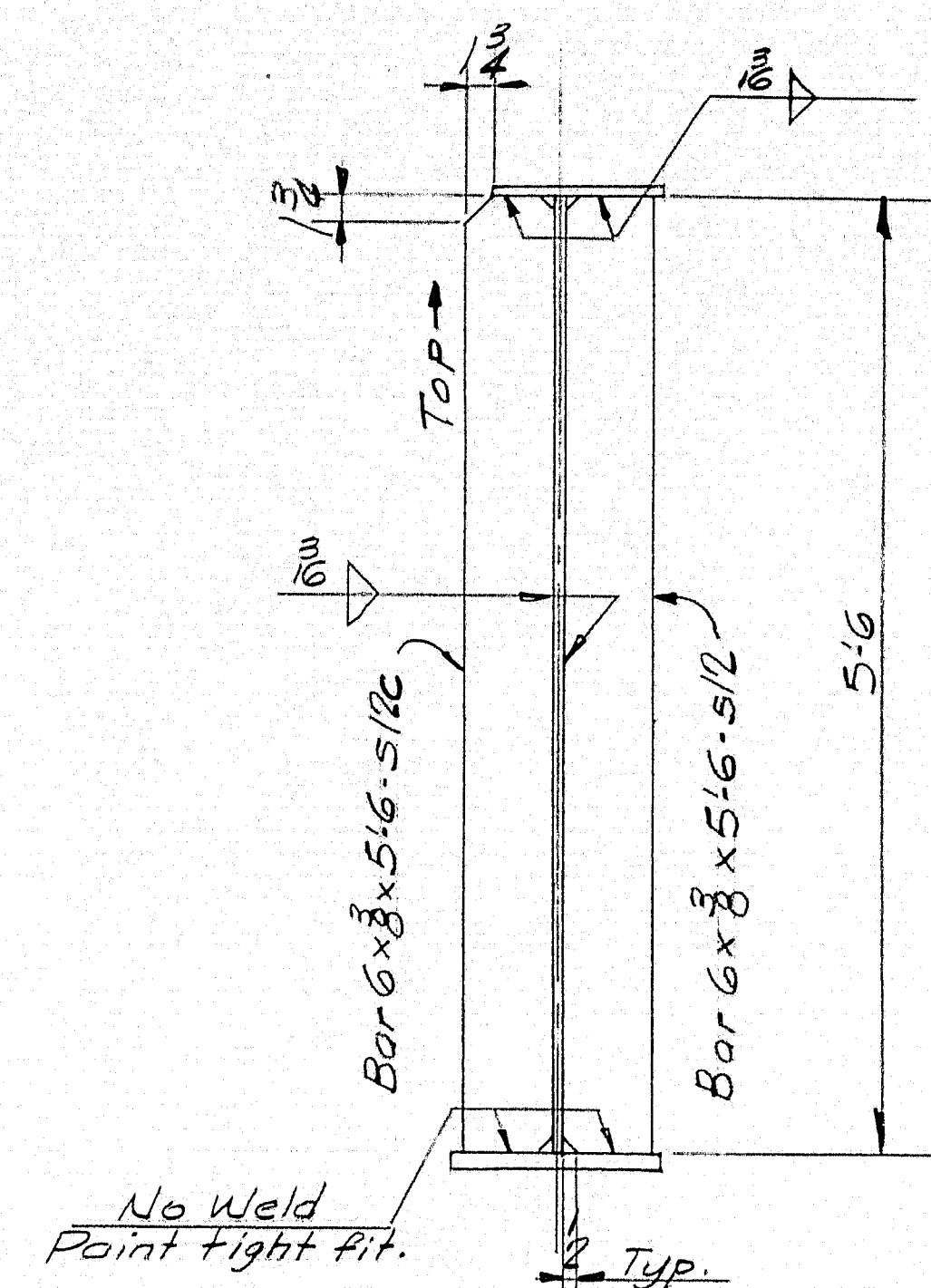




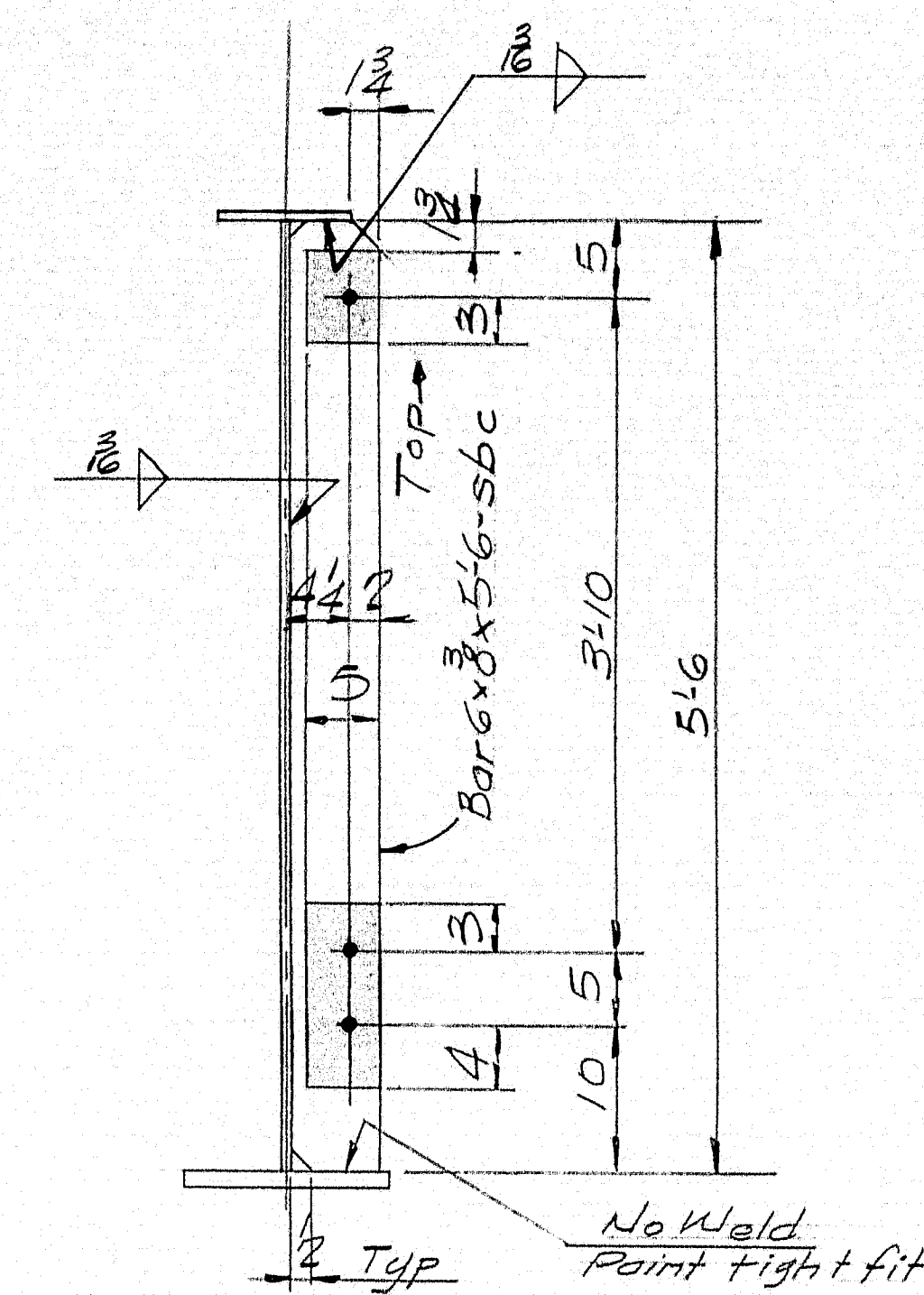
Typ. Detail @ s11 & soc



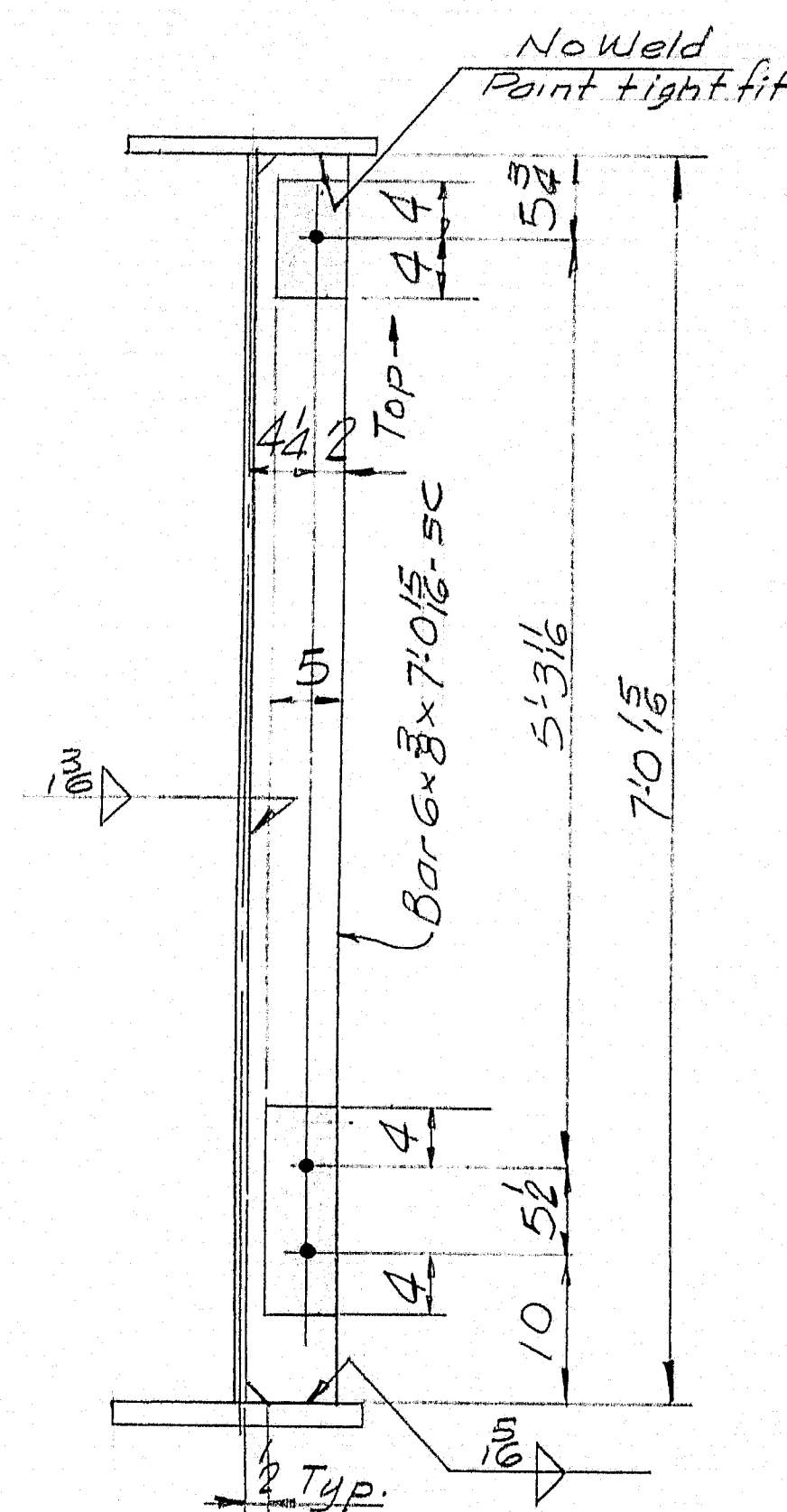
Typ. Detail @ sa



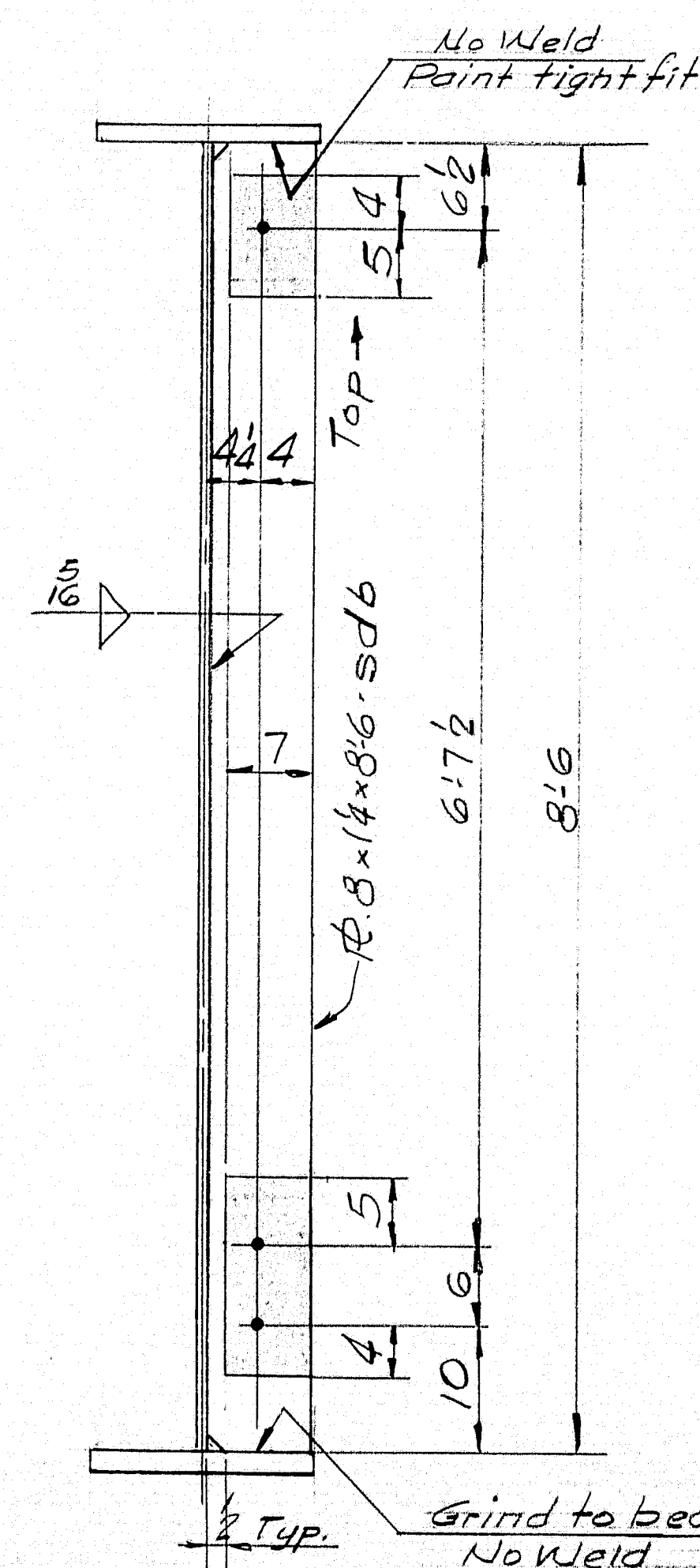
Typ. Detail @ s12c & s12



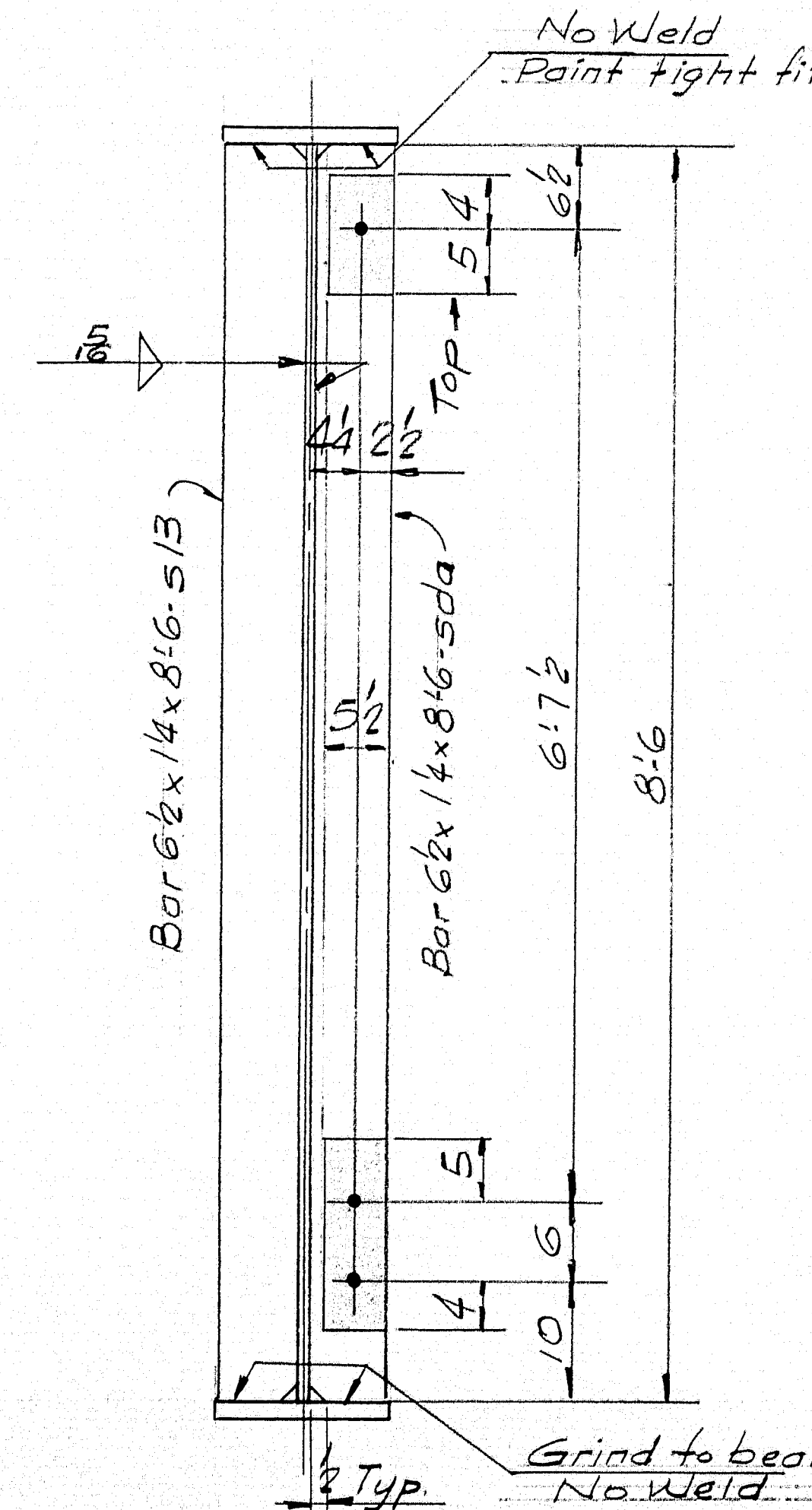
Typ. Detail @ sbc



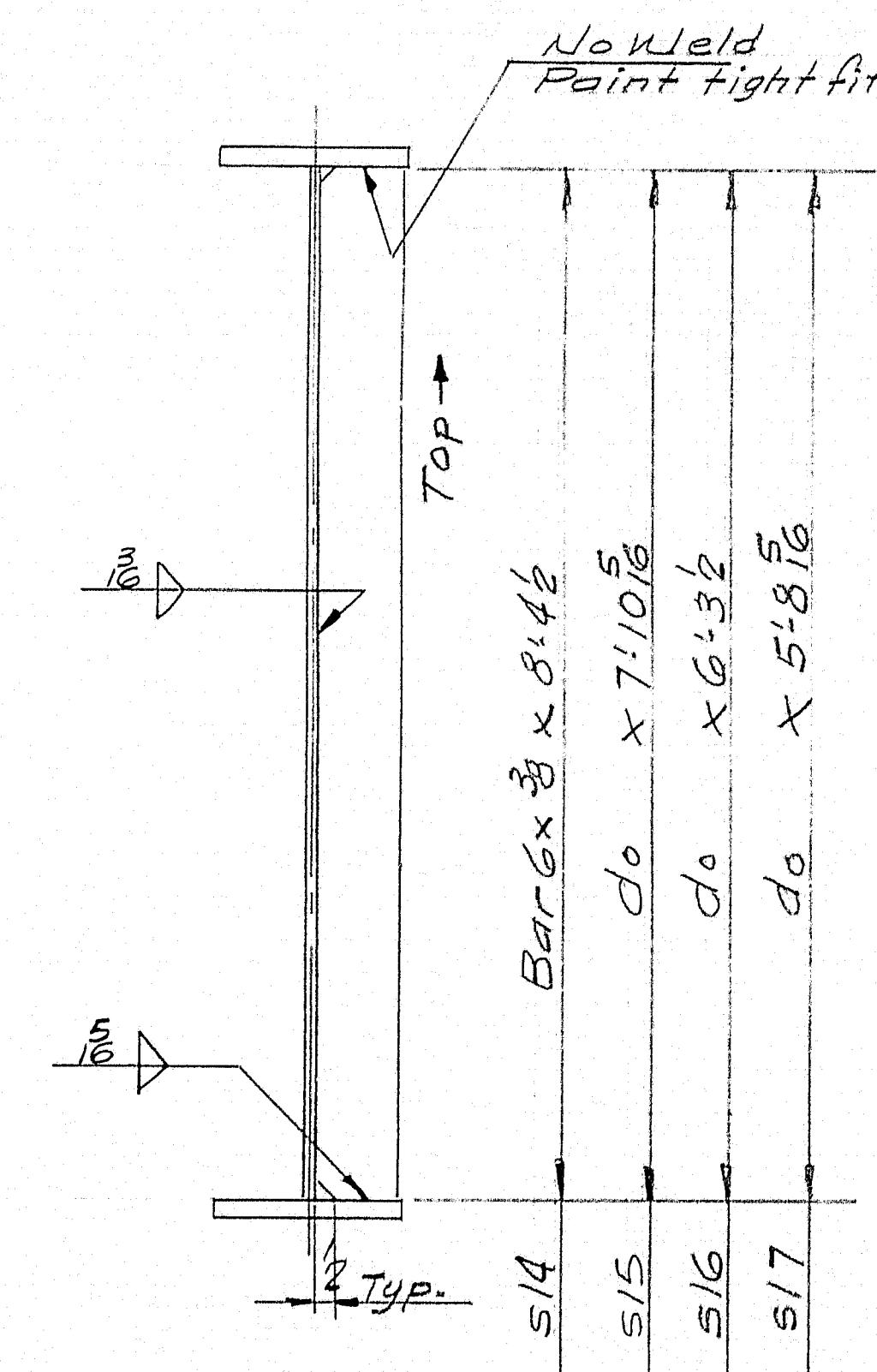
Typ. Detail @ sc



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

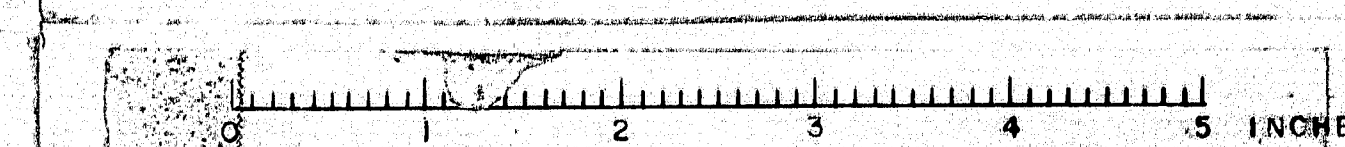
Drawn by E. Martin, Rolling Mills Company
South Portland, Maine

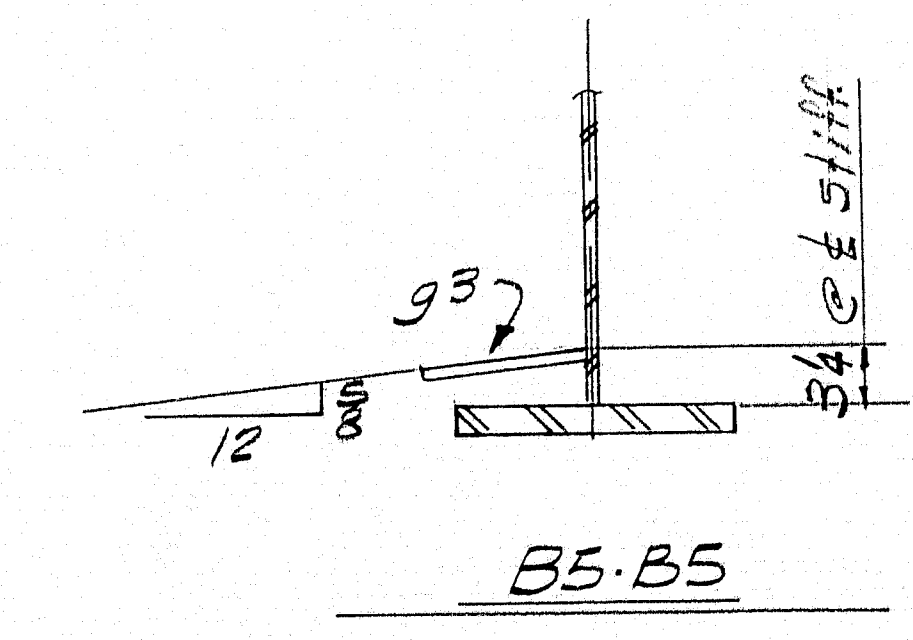
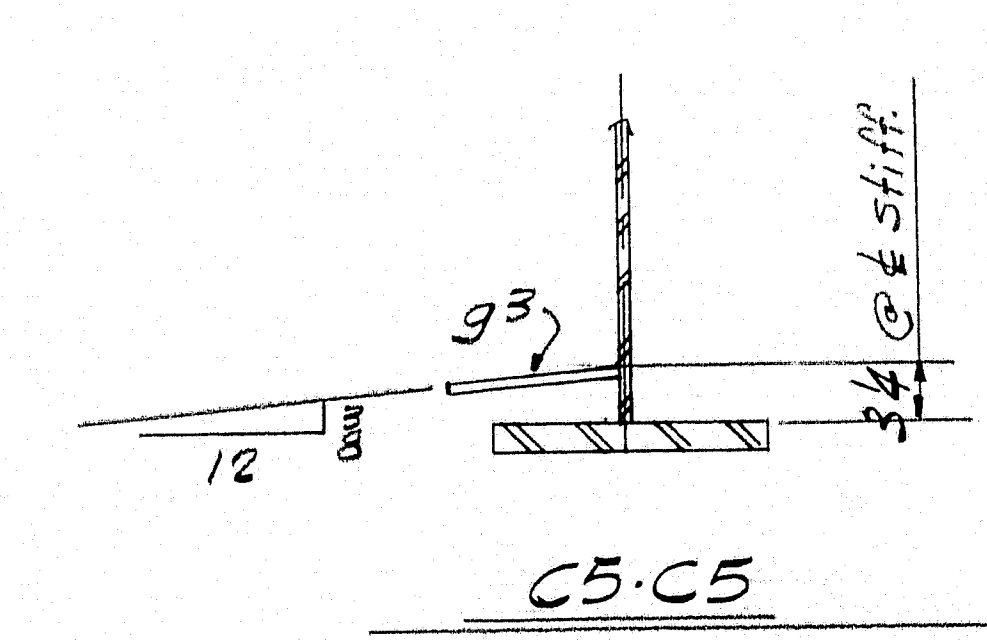
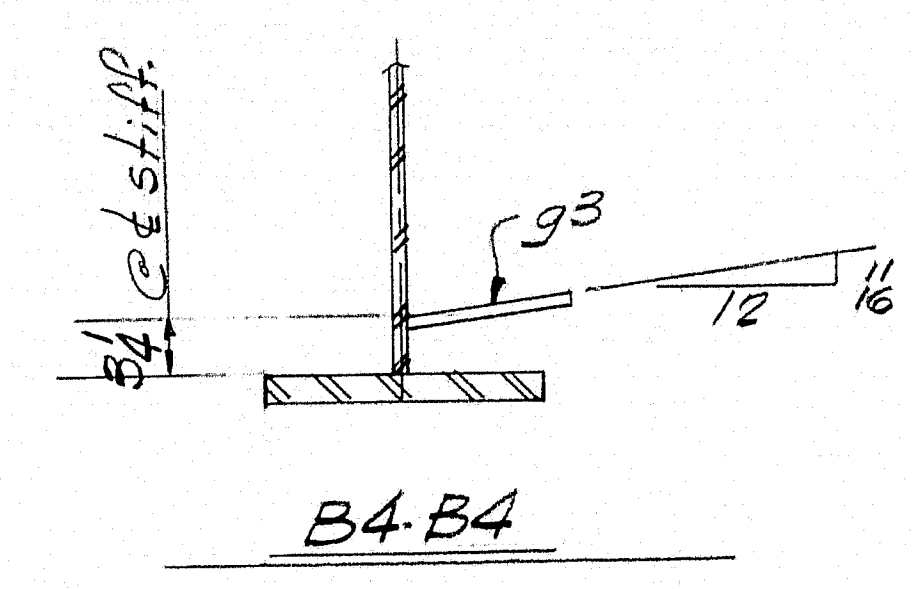
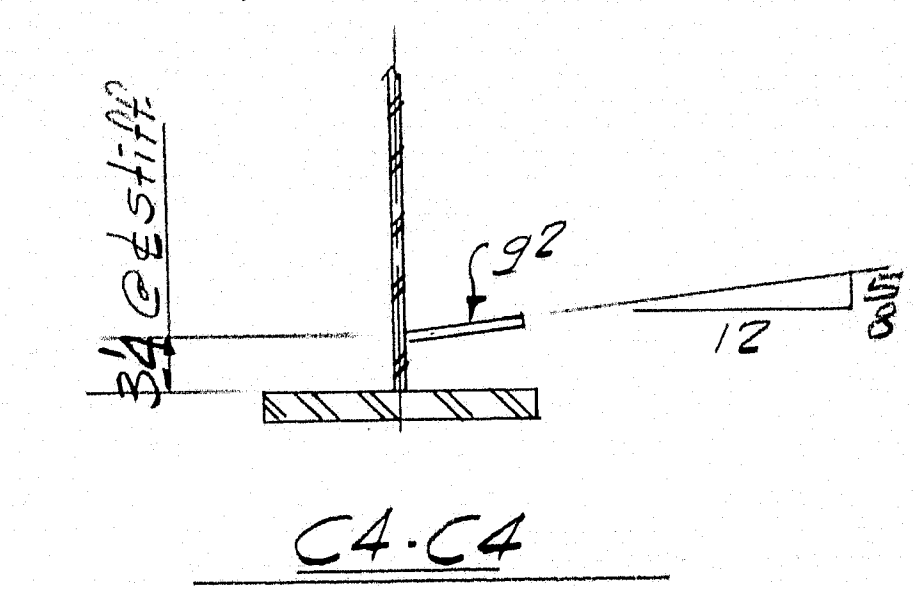
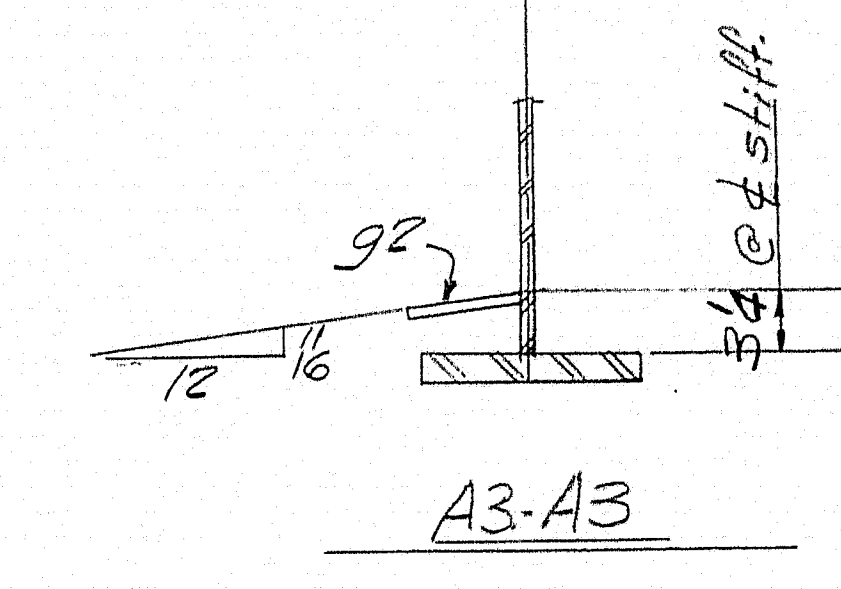
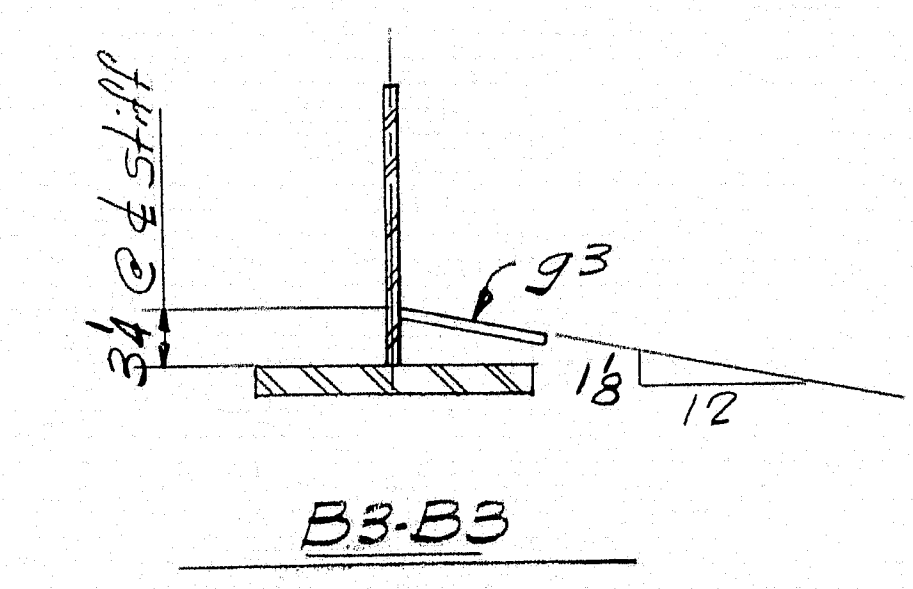
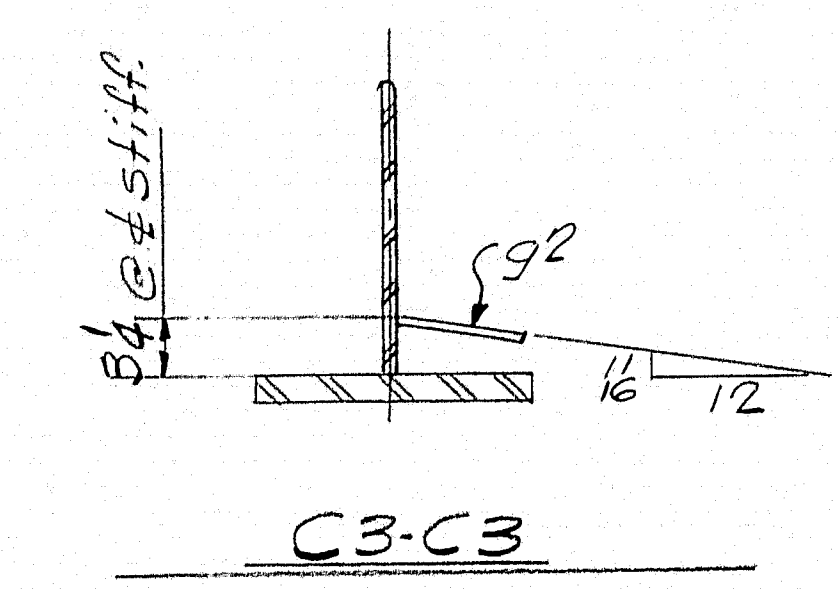
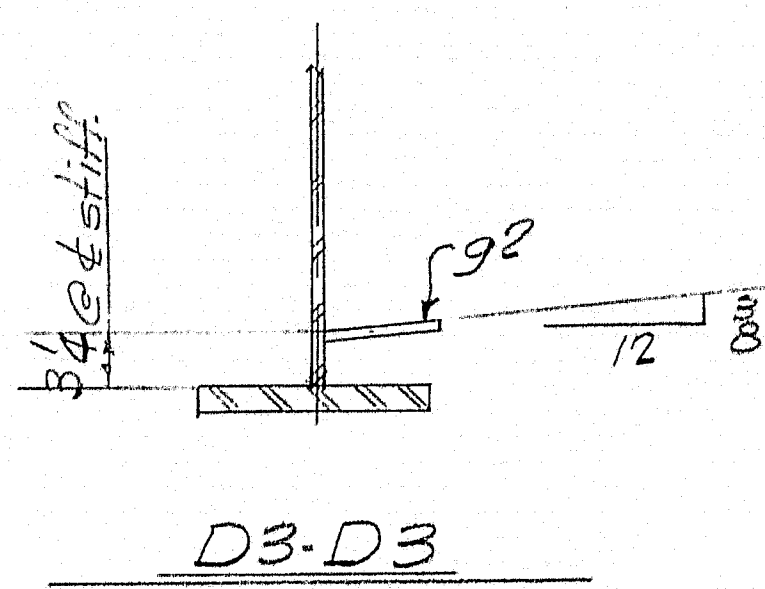
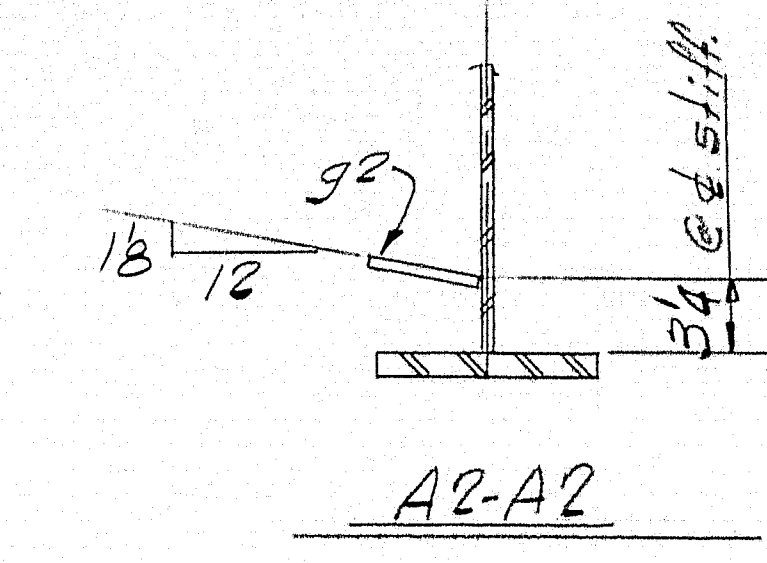
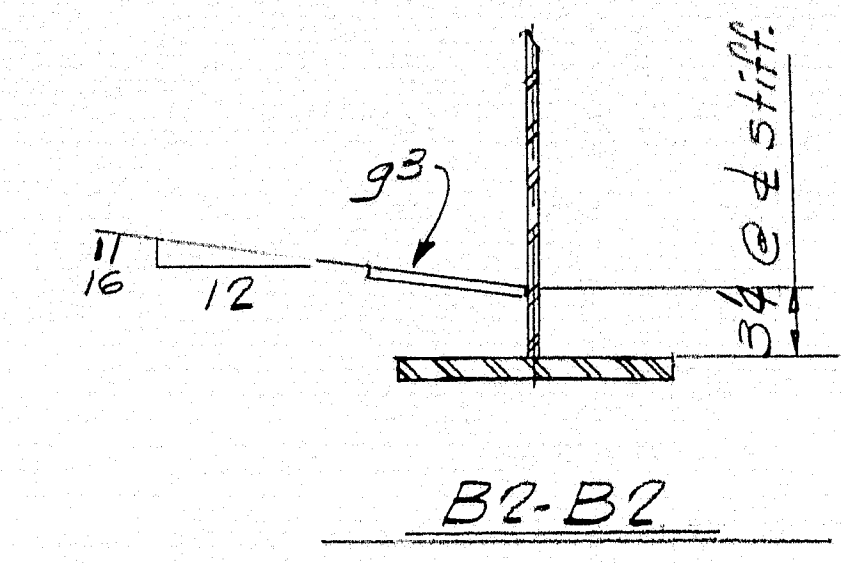
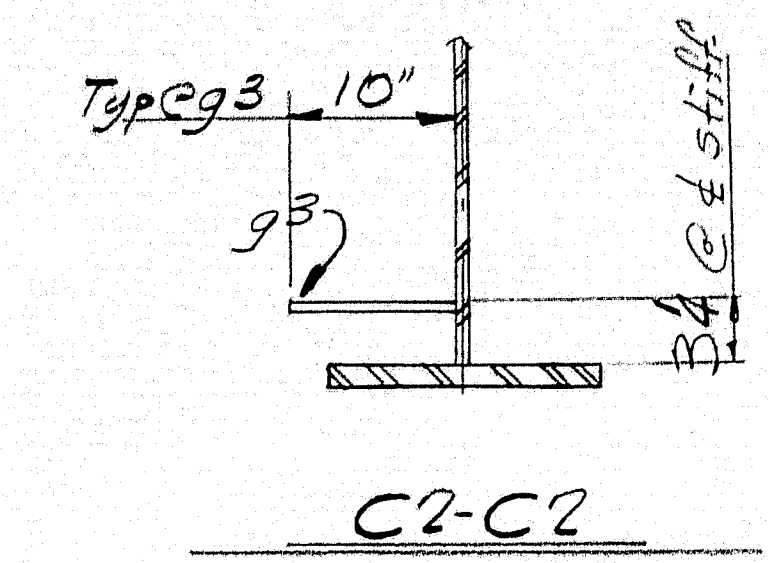
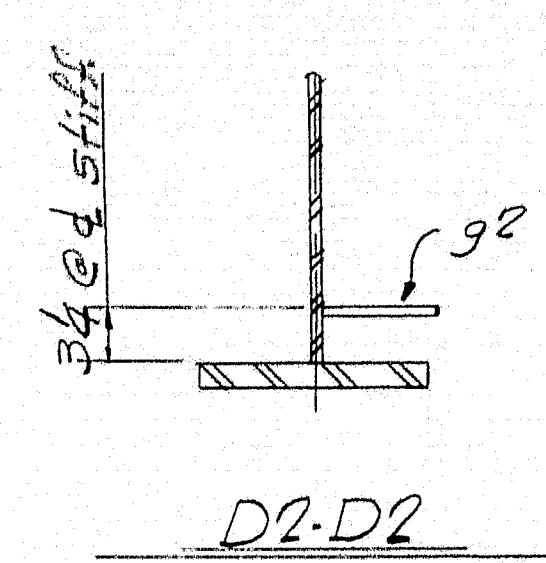
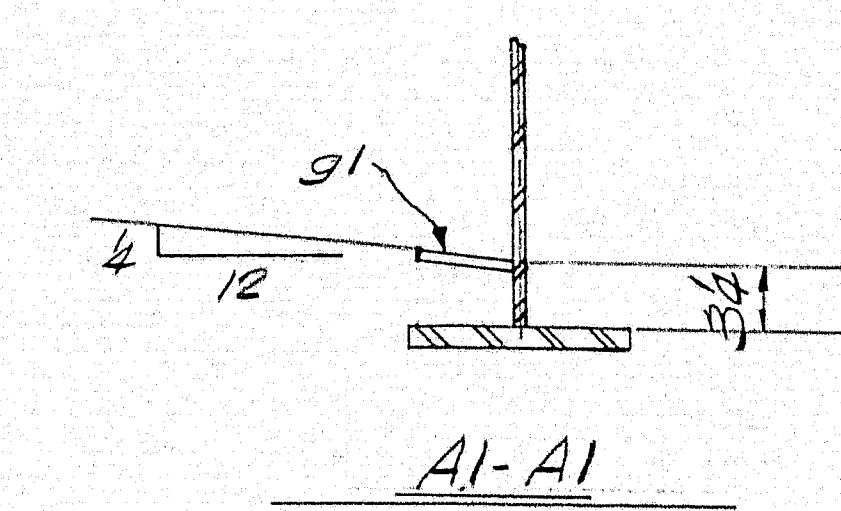
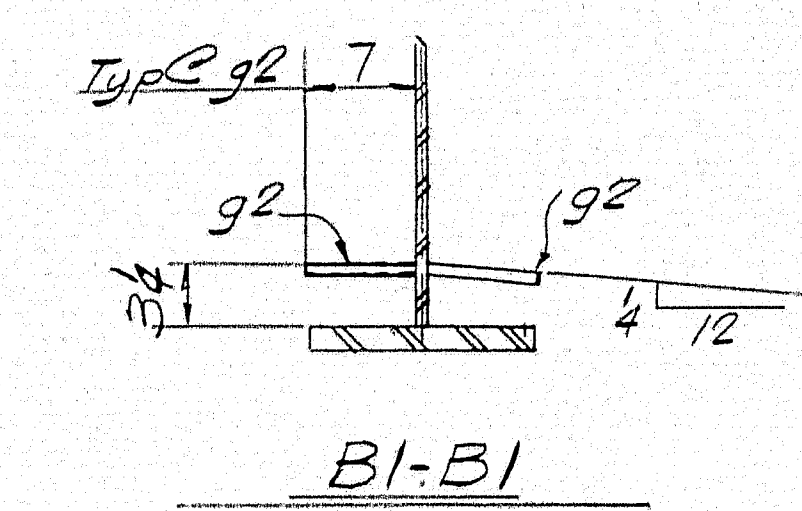
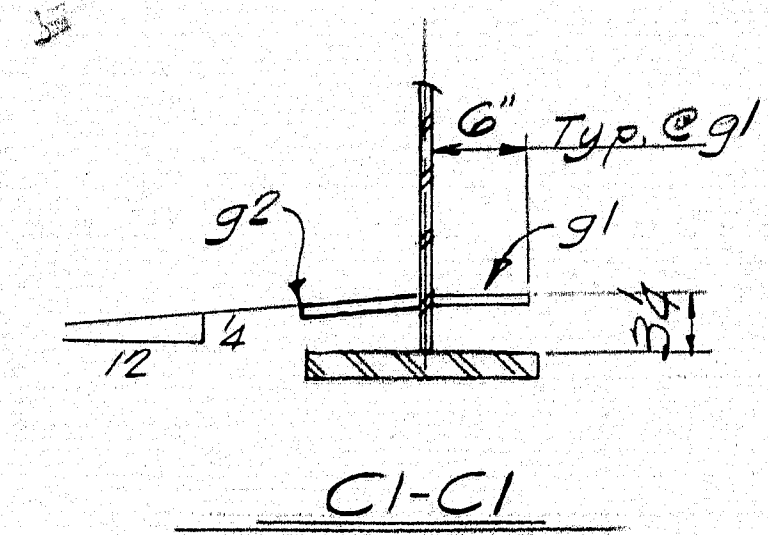
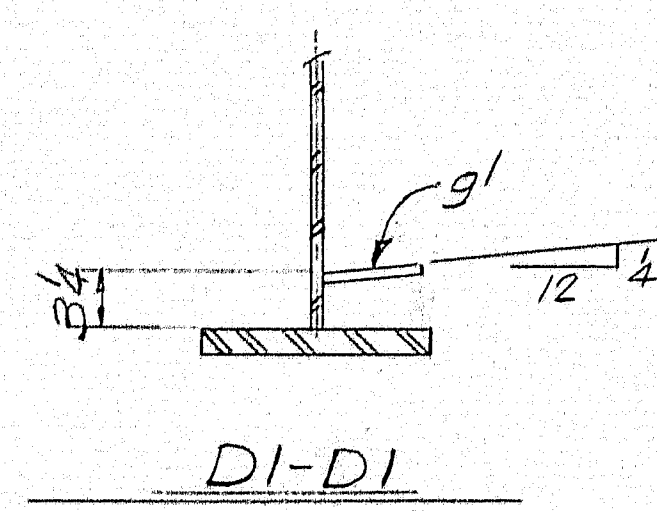
CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE

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 | |



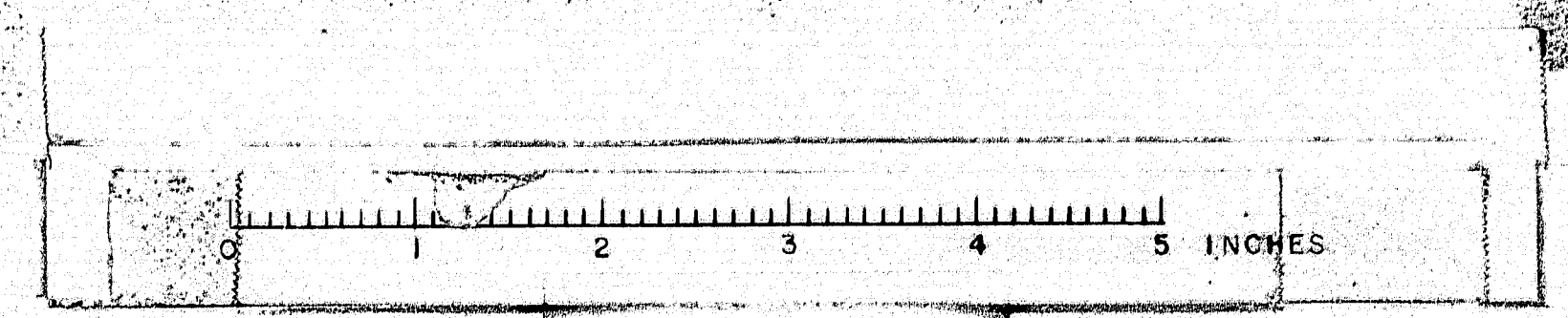


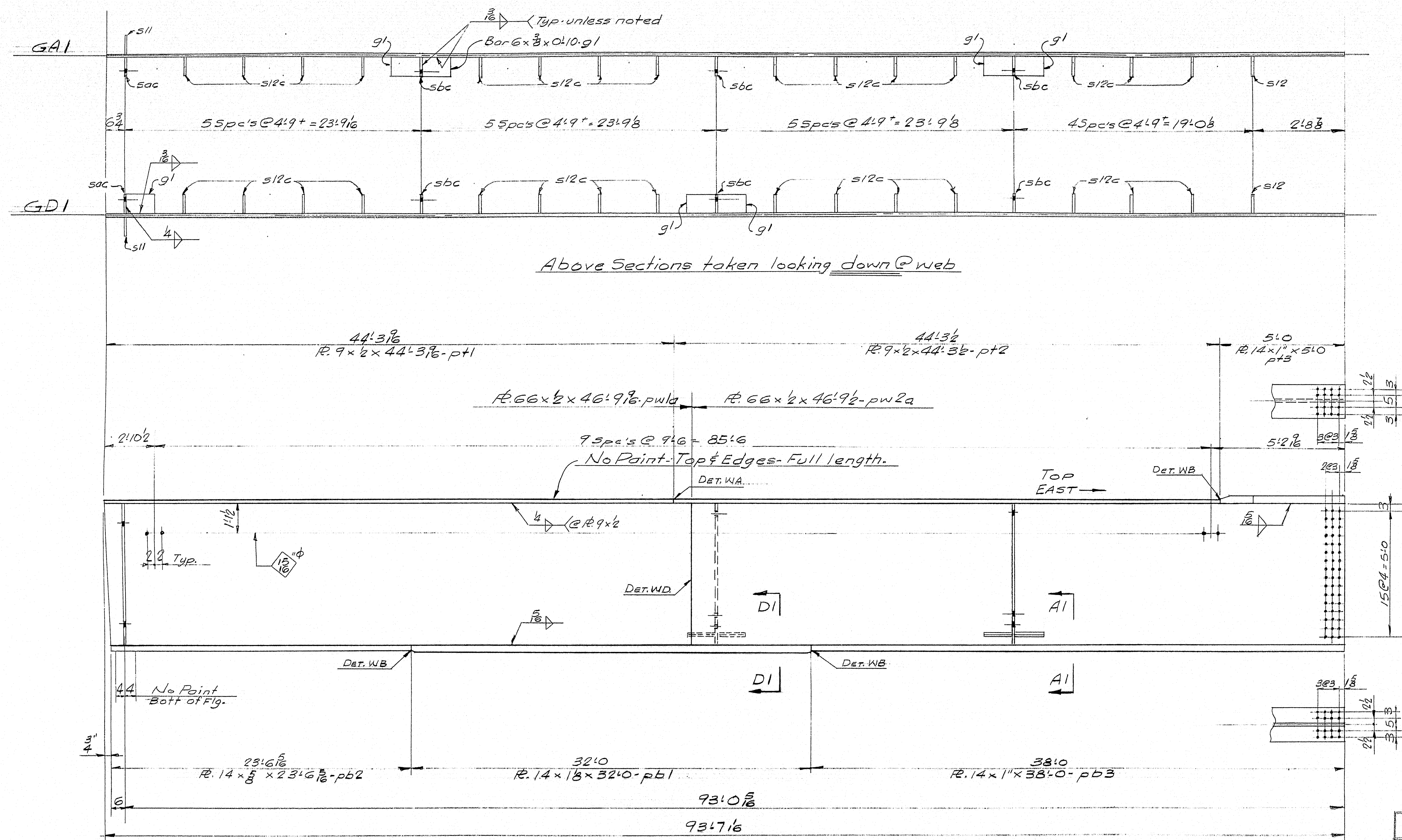
Stiffeners not shown

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 | |





GIRDER GA1 - ONE REQ'D - As Noted

GIRDER GDI - ONE REQ'D - As Noted

Quantities shown are for One Bridge

Suffix SB to be added to South Bound Girders (Bill of Material S35S)

do NB do do North Bound do do do S35N

For Welding Details see Dwg. W1.

For Camber Diagram see Dwg. S32.

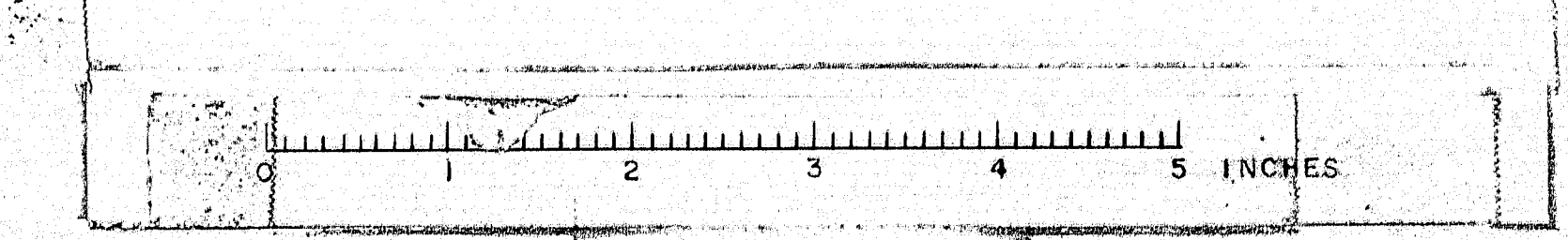
For Stiffener Details see Dwg. S33.

For Stud Layout see Dwg. S47

For Sections not shown see Dwg. S34

| | | |
|----------|---------|--------|
| DRAWN | 2-15-63 | J.P.F. |
| REVISION | | |
| REVISION | | |
| REVISION | | |

| | |
|--|--------------------------|
| SPANS 1 TO 5 SB. & N.B. | |
| GIRDERS GA1 & GDI | |
| Rancourt & Martin Rolling Mills Company South Portland 7, Maine | |
| CLINTON A. CLAUSON MEM. BRIDGE FAIRFIELD, MAINE | |
| CUSTOMER <u>E.C. SNODGRASS INC.</u> | |
| DESIGNER <u>MAINE S.H.C. BRIDGEDIV.</u> | |
| ORDER NO. <u>VERBAL</u> | DWG. NO. <u>63-S-535</u> |



*
*
*
*

SHOP CONNECTIONS: *Welded*
FIELD CONNECTIONS: *Welded - Bolted*
HOLES: *1 5/8" & as noted*
PAINT: *Per Maine Specs & as noted.*

GIRDERS GAISB&GDISB

CLINTON A. CLAUDON MEM. BRIDGE
FAIRFIELD, MAINE

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

ORDER NO. VERBAL DWG. NO. 63-5-S355

| | | |
|----------|---------|--------|
| DRAWN | 2-18-63 | J.P.F. |
| REVISION | | |
| REVISION | | |
| REVISION | | |

SHOP CONNECTIONS: *Welded*
FIELD CONNECTIONS: *Welded - Bolted*
HOLES: *1 5/8" & as noted*
PAINT: *Per Maine Specs & as noted.*

GIRDERS GAINB & GDINB

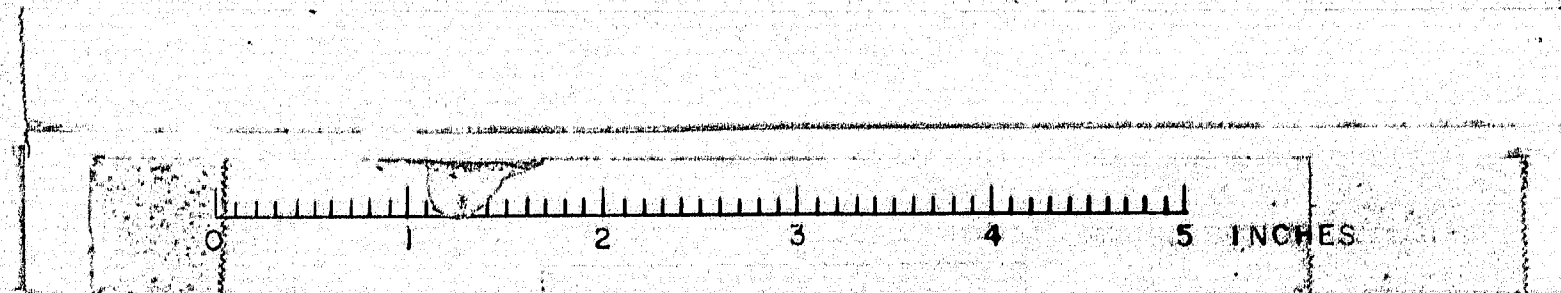
4pp 3-29-63

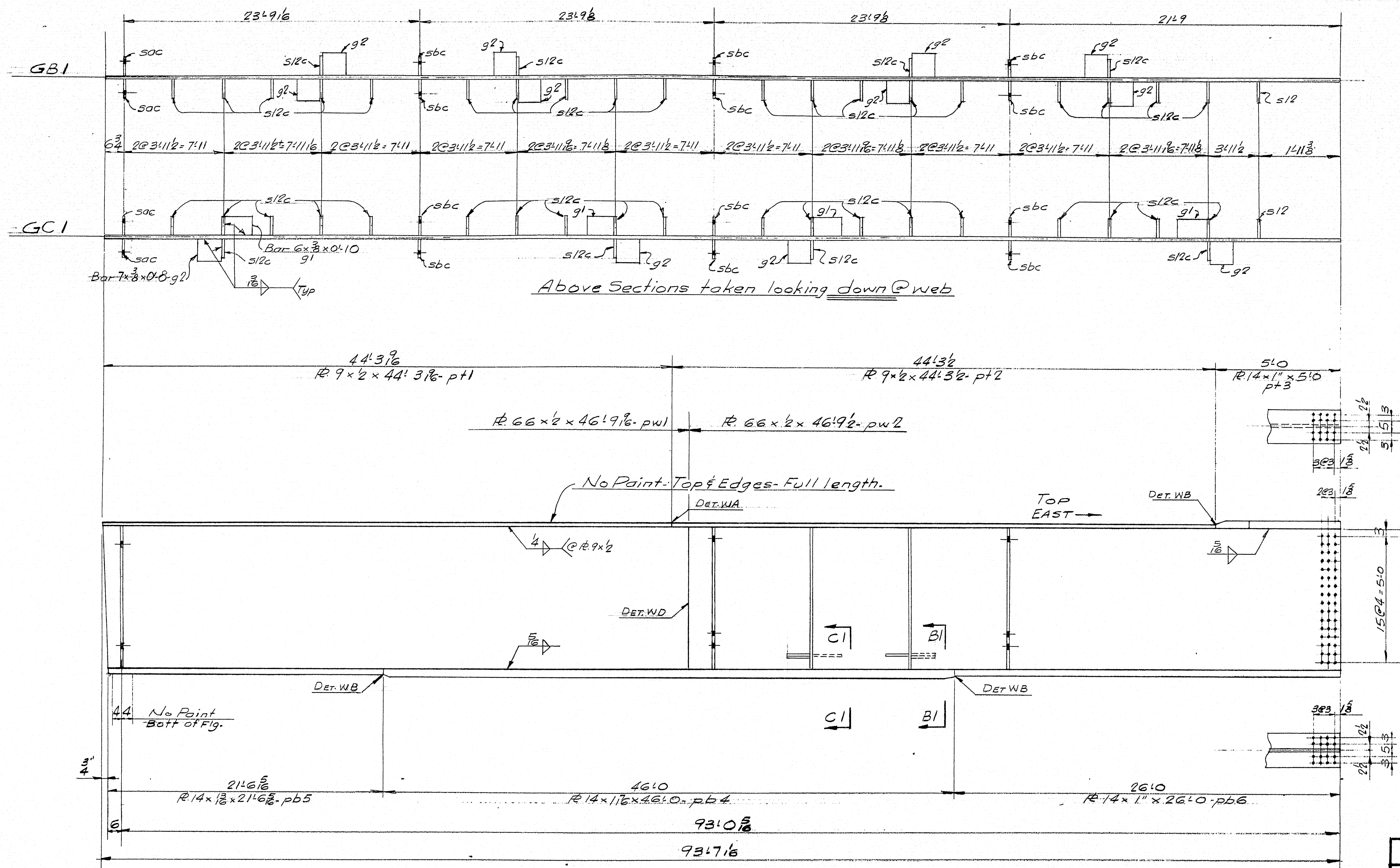
CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD MAINE

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

ORDER NO. VERBAL DWG. NO. 63-5-S35N

| | | |
|----------|---------|--------|
| DRAWN | 7-18-63 | 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

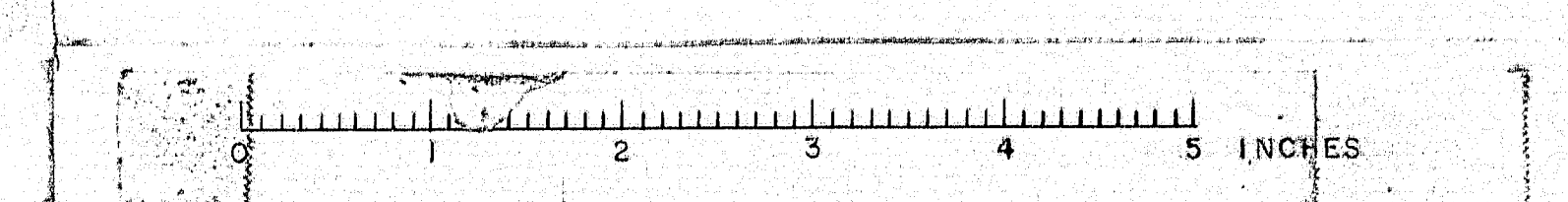
Quantities shown are for One Bridge
suffix SB. to be added to South Bound Girders (Bill of Material 536S)
do NB do do North Bound do do do 536N)

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 |

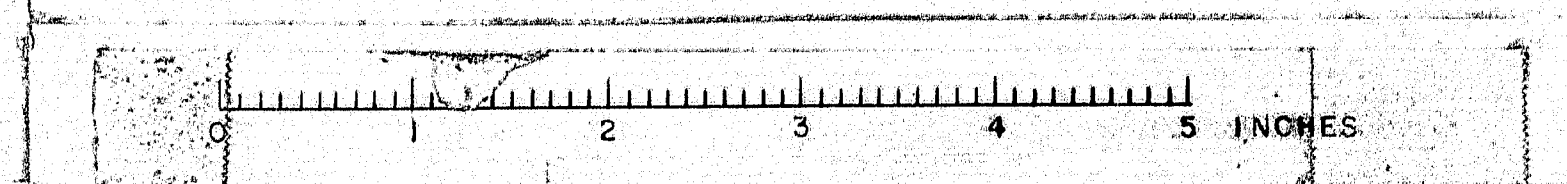
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|----------|---------|-----|
| DRAWN | 2-15-63 | JRF |
| REVISION | | |
| REVISION | | |
| REVISION | | |

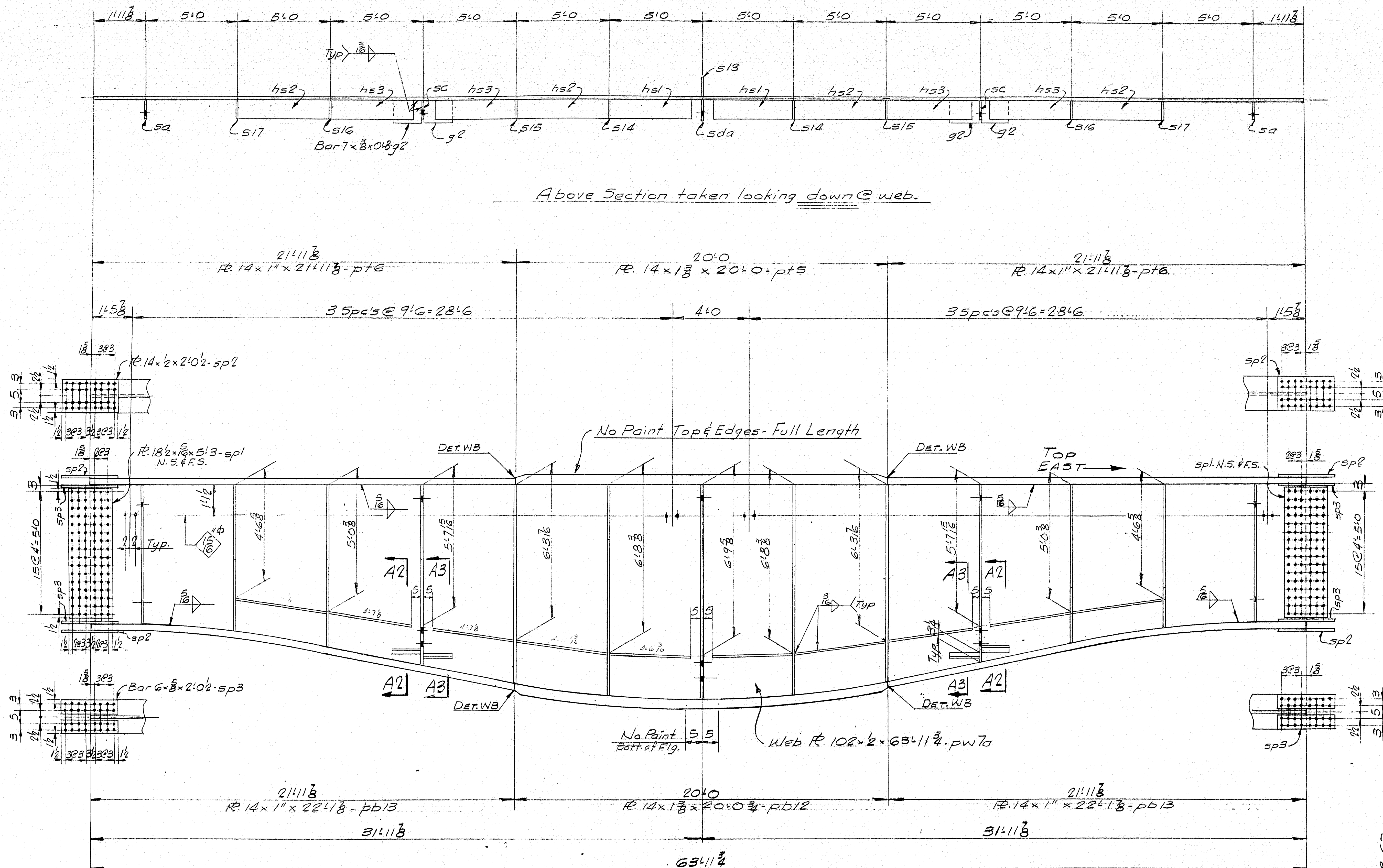
89-140



89-140 A

89-140 B





Above Section taken looking down @ web.

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

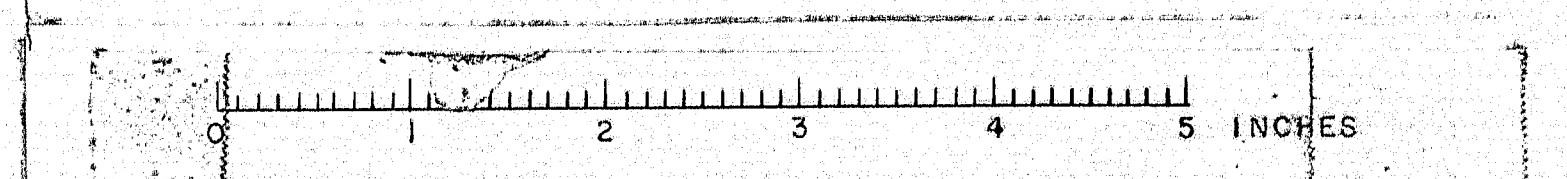
- GIRDER HGA1 - ONE REQ'D.
- GIRDER HGA2 - ONE REQ'D.
- GIRDER HGA3 - ONE REQ'D.
- GIRDER HGA4 - ONE REQ'D.

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. pw7a see Dwg. S32A

| | |
|--|------------------|
| 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 |

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



| SHIP BILL OF MATERIAL DWG. NO. 63-5-S37S | | | | | | |
|---|------|------|---------------------------|-----------|-----|---------------|
| 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 | | ORDER NO. VERBAL |
| REVISION | | DWG. NO. 63-5-S37S |
| REVISION | | |
| REVISION | | |

89-141 A

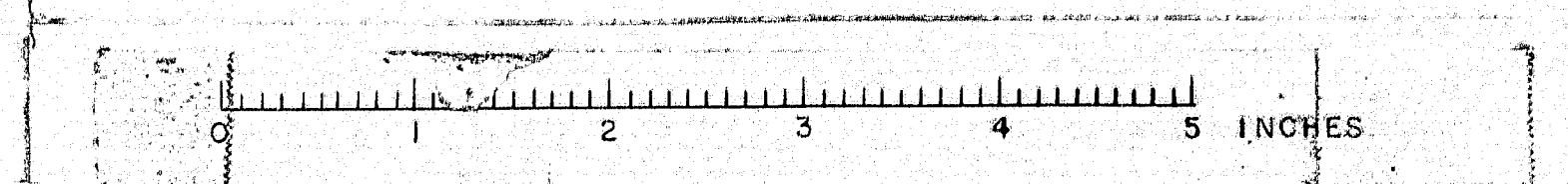
| SHIP BILL OF MATERIAL DWG. NO. 63-5-S37N | | | | | | |
|---|------|------|---------------------------|-----------|-----|---------------|
| MARK | NO. | MARK | SHAPE | LENGTH | WT. | REMARKS |
| HGA1 | 1 | | GIRDER | 63 11 3/4 | — | |
| HGA2 | 1 | | Do | 63 11 3/4 | — | |
| HGA3 | 1 | | Do | 63 11 3/4 | — | |
| 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 | | | | | | |

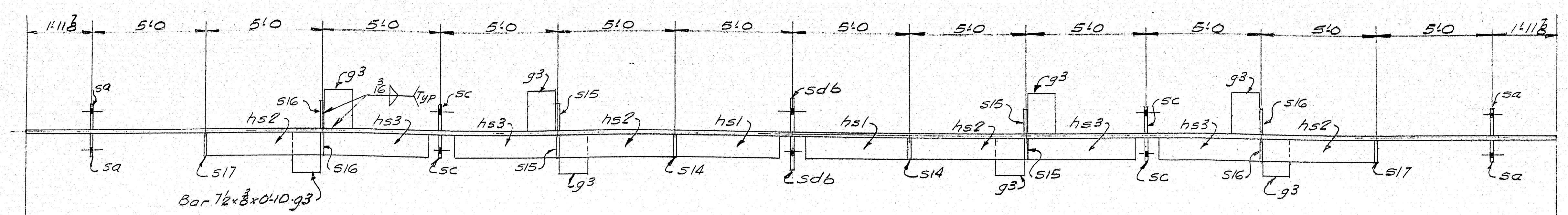
For Details see Dwg. 537

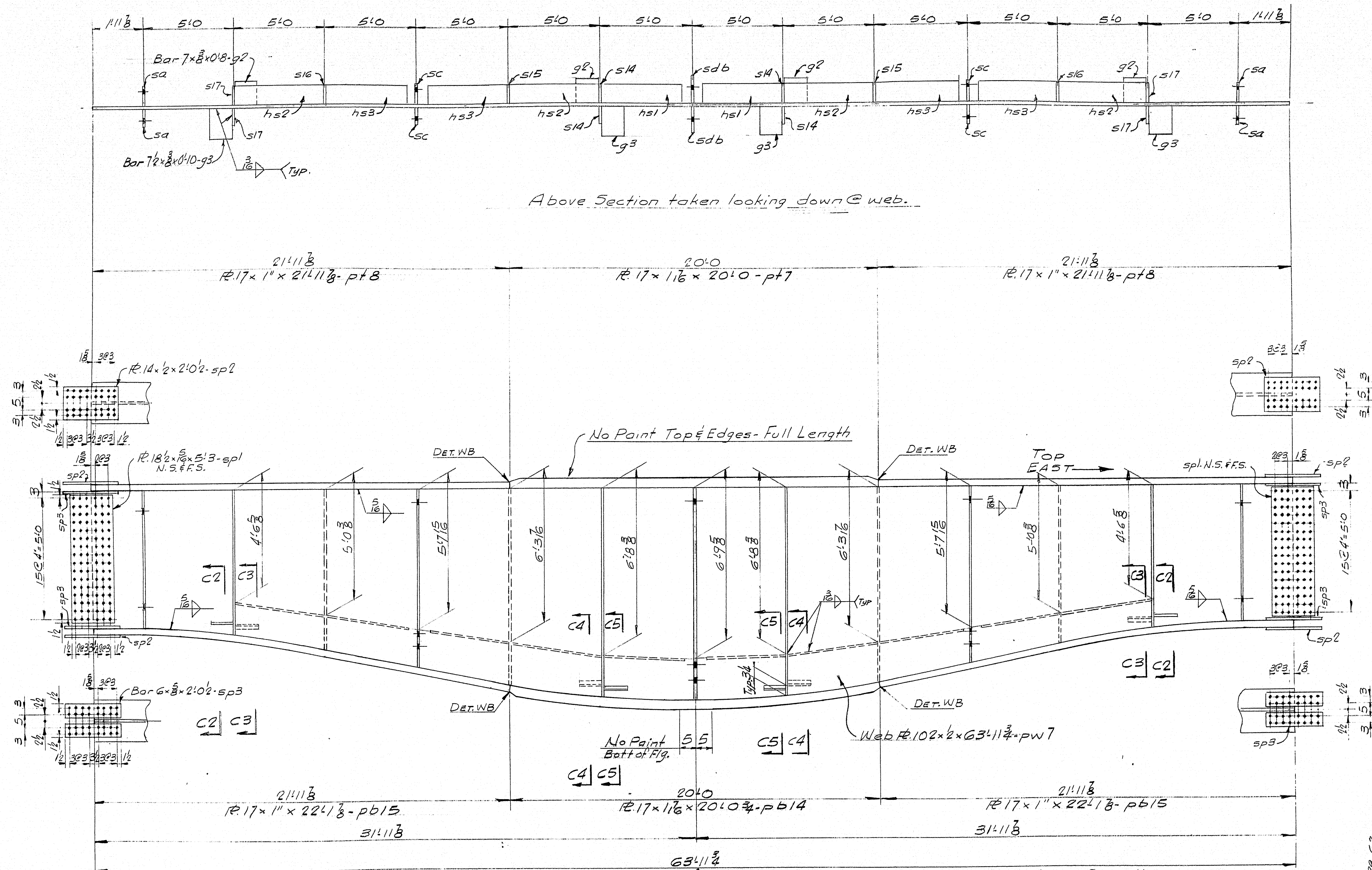
SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded - Bolted
HOLES: 1/8" & as noted
PAINT: Per Maine Specs & as noted.

| | | |
|-------------------|---|--------------------|
| 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 | | ORDER NO. VERBAL |
| REVISION | | DWG. NO. 63-5-S37N |
| REVISION | | |
| REVISION | | |

89-141 B







SPLICE NOTE
 HOW TO SPlice
 The splice is to be made in the center of the span or at the center of the span if the span is odd.
 See Note 6 Dwg. E3

GIRDER HGC1-ONE REQ'D
 GIRDER HGC2-ONE REQ'D
 GIRDER HGC3-ONE REQ'D
 GIRDER HGC4-ONE REQ'D

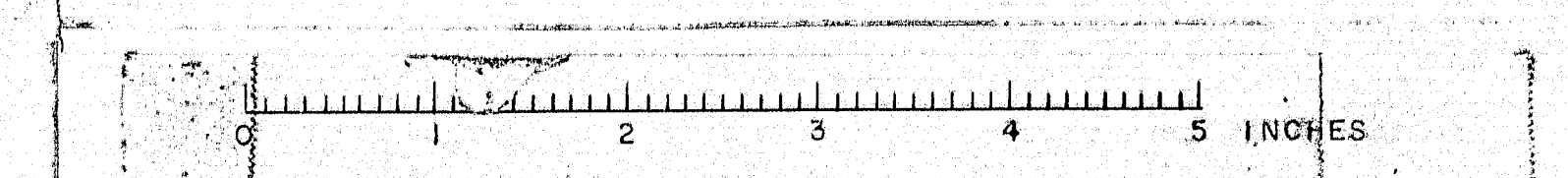
Quantities shown are for One Bridge
 Suffix SB to be added to South Bound Girders (Bill of Material 539S)
 do NB do do North Bound do do do 539N

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.
 For cutting web R. pw7 see Dwg. 532A

| | | |
|----------|---------|--------|
| DRAWN | 2-27-63 | U.P.F. |
| REVISION | | |
| REVISION | | |
| REVISION | | |

| | |
|--|-------------------------|
| SPANS / TO 5 S.B. & N.B. | |
| GIRDERS HGC1 - HGC2 HGC3 - HGC4 | |
| 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. <u>VERBAL</u> | DWG. NO. <u>635-S39</u> |

89-143



| 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 MGMT. BRIDGE FAIRFIELD, MAINE | | |
| | CUSTOMER E.C. SNODGRASS INC. DESIGNER MAINE S.H.C. BRIDGE DIV. | | |
| DRAWN | 2-27-63 J.P.R. | ORDER NO. VERBAL | DWG. NO. 63-5-S40S |
| REVISION | | | |
| REVISION | | | |
| REVISION | | | |

89-144 A

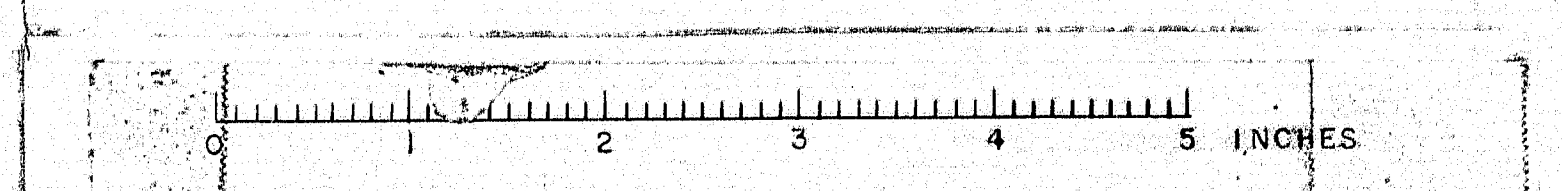
| SHIP BILL OF MATERIAL DWG. NO. 63-5-S40N | | | | | | |
|--|------|------|---------------------------|-----------|-----|--------------|
| MARK | NO. | MARK | SHAPE | LENGTH | WT. | REMARKS |
| HGD1 | 1 | | GIRDER | 63 11 3/4 | — | |
| HGD2 | 1 | | Do | 63 11 3/4 | — | |
| HGD3 | 1 | | Do | 63 11 3/4 | — | |
| 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 | | | | | | |

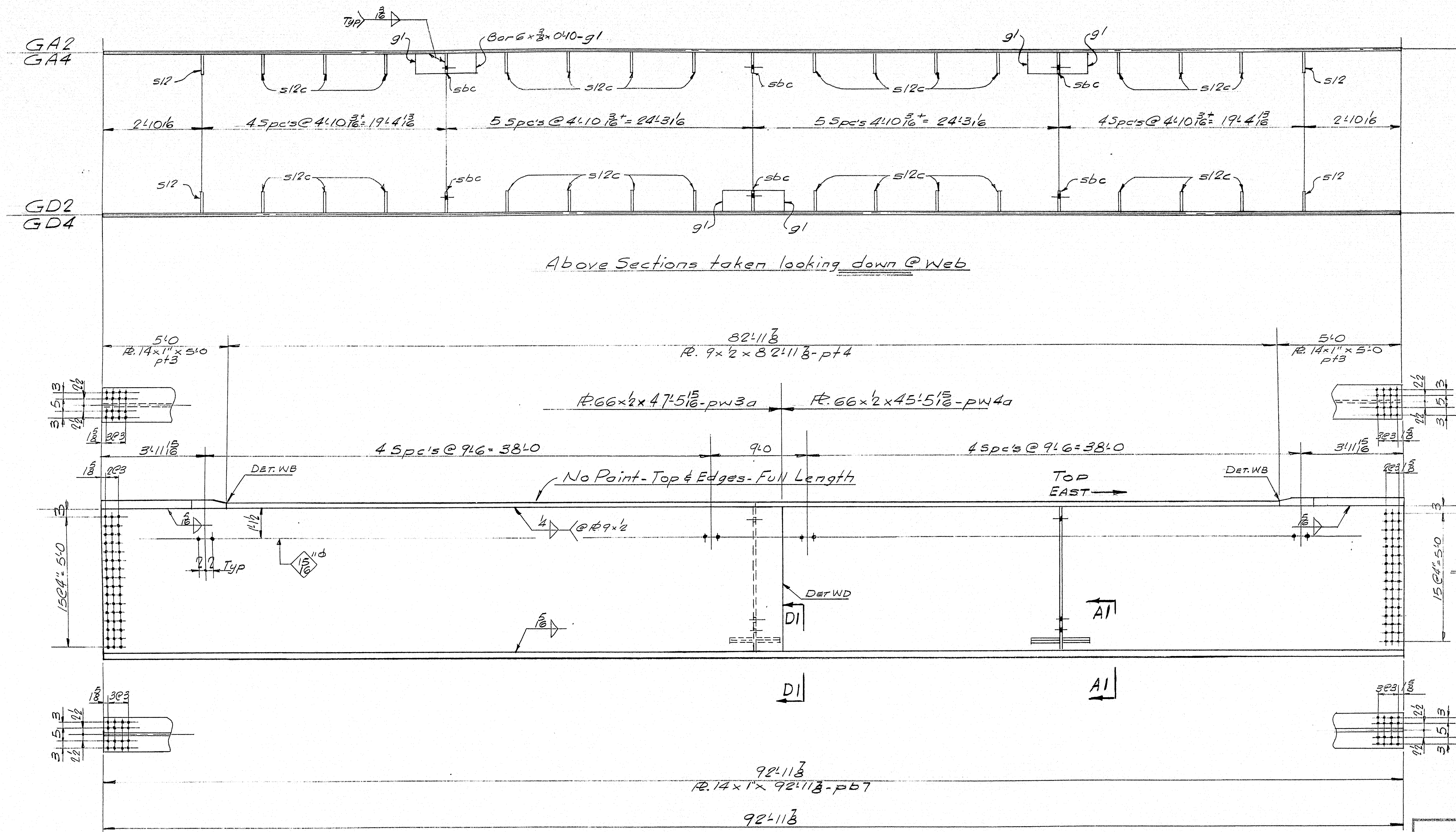
For Details see Dwg. 540

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 MGMT. BRIDGE FAIRFIELD, MAINE | | |
| | CUSTOMER E.C. SNODGRASS INC. DESIGNER MAINE S.H.C. BRIDGE DIV. | | |
| DRAWN | 2-27-63 J.P.R. | ORDER NO. VERBAL | DWG. NO. 63-5-S40N |
| REVISION | | | |
| REVISION | | | |
| REVISION | | | |

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

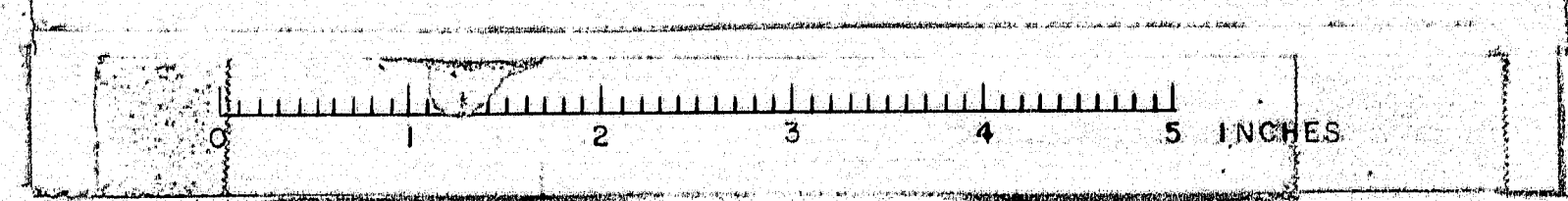
GIRDER GA2 - ONE REQ'D - As Noted
GIRDER GD2 - ONE REQ'D - As Noted
GIRDER GA4 - ONE REQ'D - As Noted
GIRDER GD4 - ONE REQ'D - As Noted

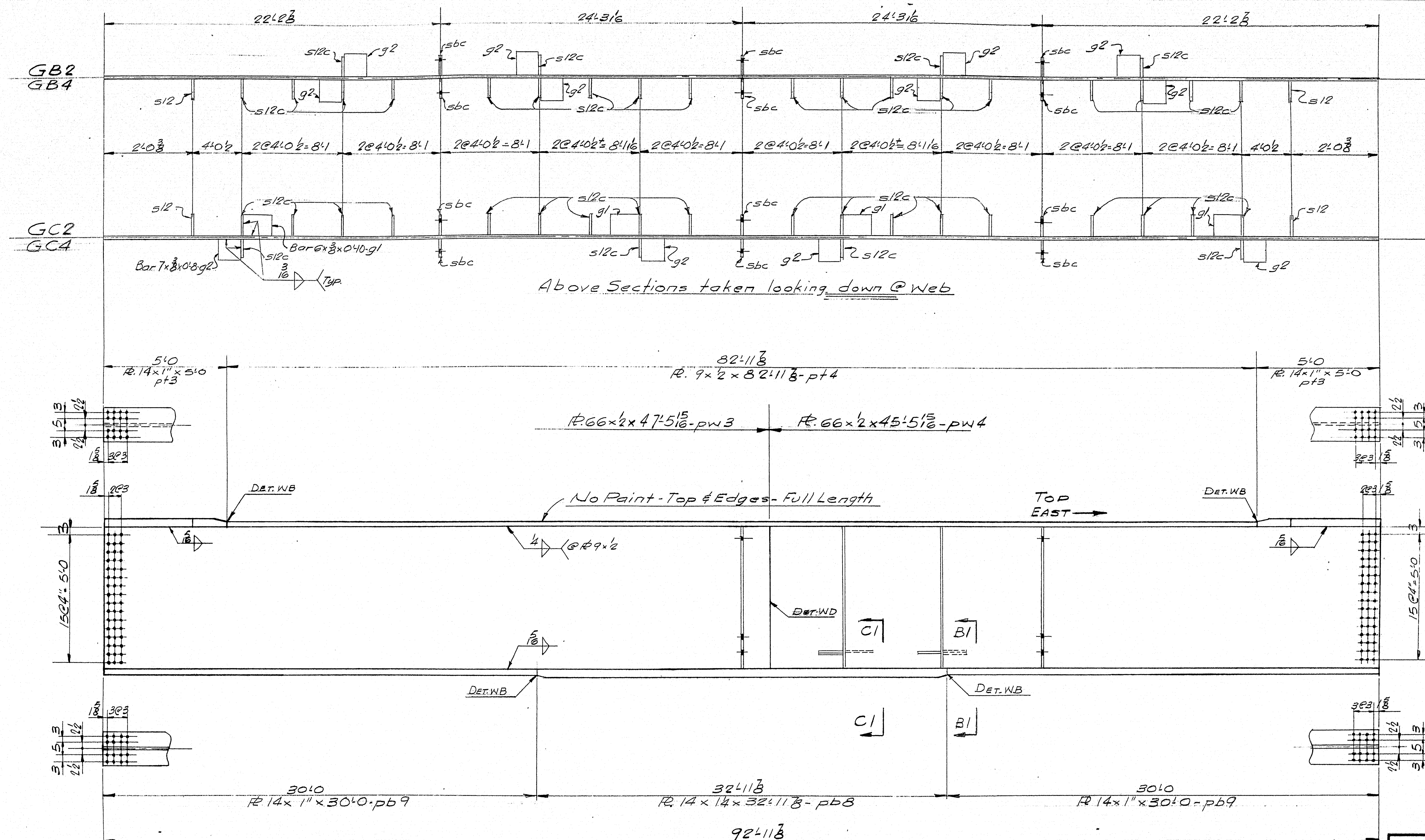
Quantities shown are for One Bridge
Suffix SB to be added to South Bound Girders (Bill of Material S41 S)
do NB do do North Bound do (do do S41 N)

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 | 2/16/63 J.P.F. |
| REVISION | |
| REVISION | |
| REVISION | |





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 GB2 - ONE REQ'D - As Noted
GIRDER GC2 - ONE REQ'D - As Noted
GIRDER GB4 - ONE REQ'D - As Noted
GIRDER GC4 - ONE REQ'D - As Noted

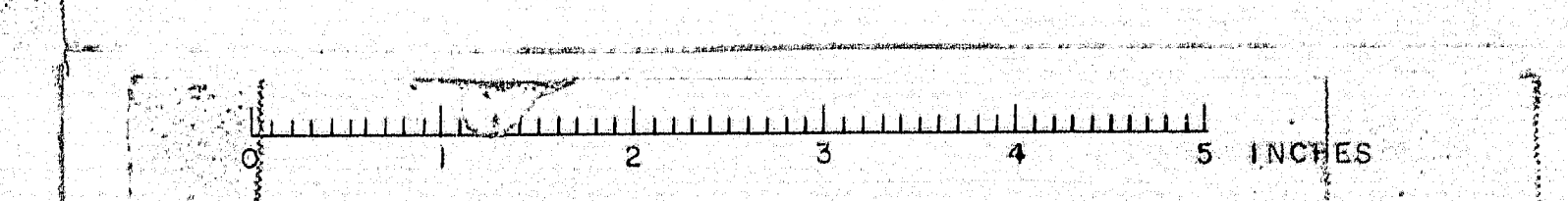
Quantities shown are for One Bridge
Suffix SB to be added to South Bound Girders (Bill of Material S42S)
do NB do do North Bound do do do S42N

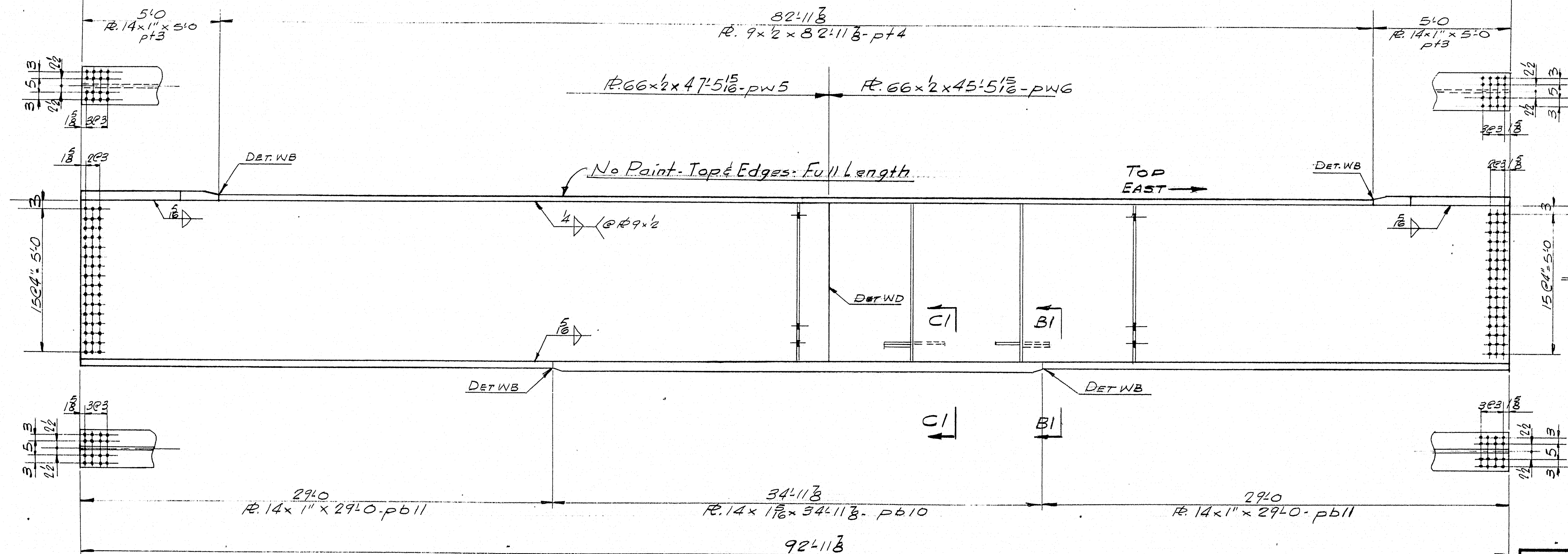
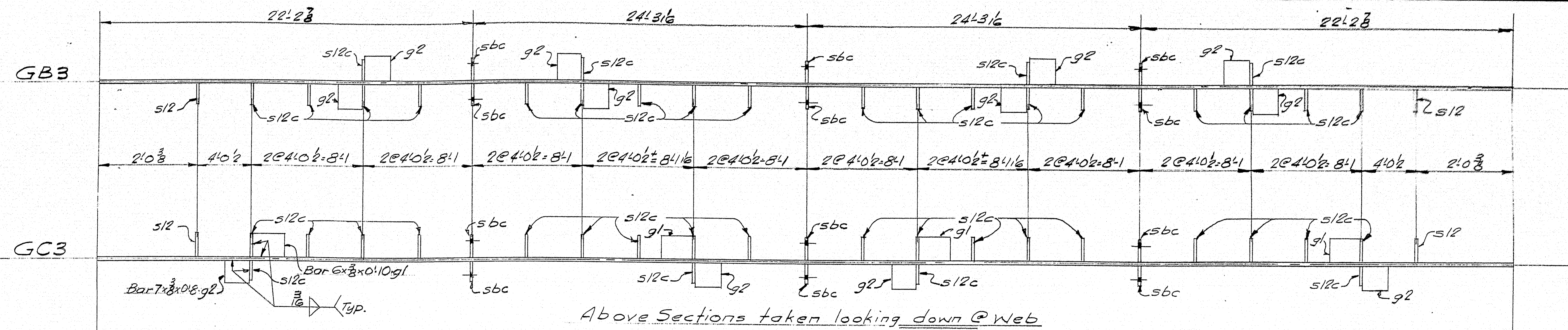
For Welding Details see Dwg. W1.
 For Camber Diagram see Dwg. S32.
 For Stiffener Details see Dwg. S33.
 For Stud Layout see Dwg. S47.
 For Sections not shown see Dwg. S34.

| | |
|--|-------------------|
| SPANS 1 to 5 S.B. & N.B. | |
| GIRDERS GB2 & GC2 GB4 & GC4 | |
| 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-S42 |

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

89-146





SPICE 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)

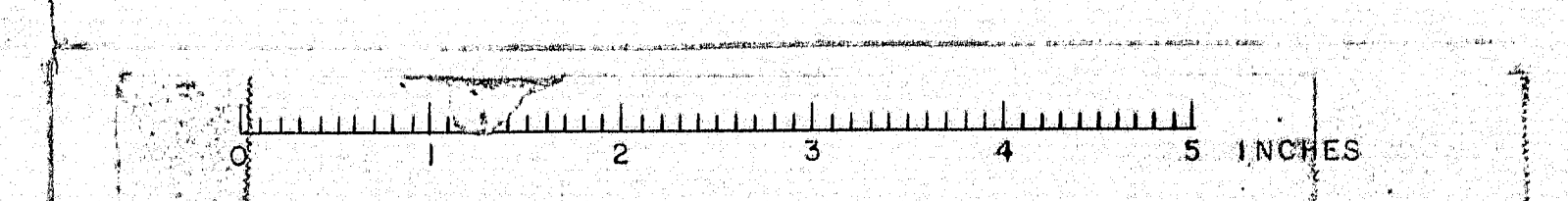
do NB do do North Bound do do do S44N

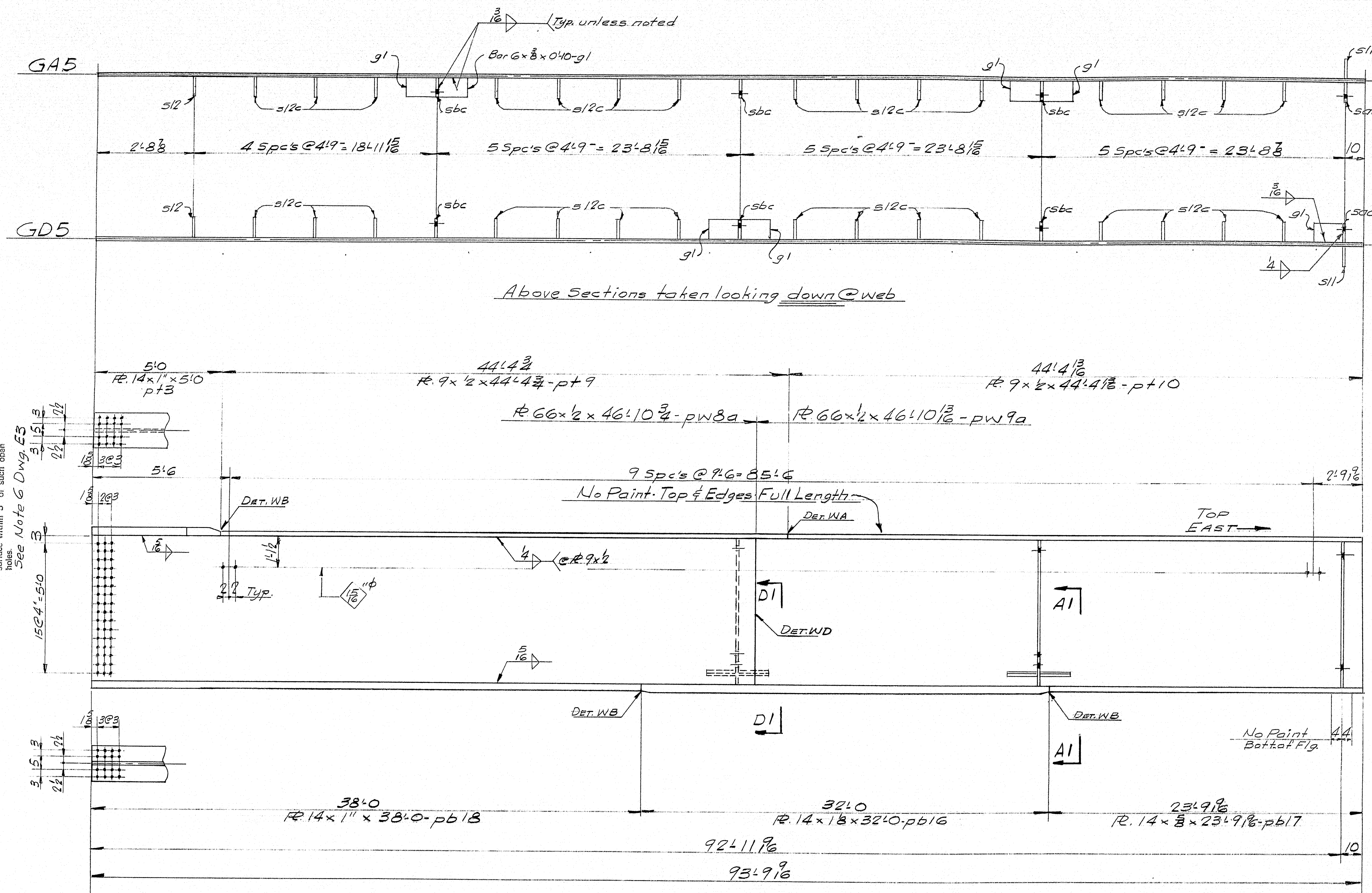
For Welding Details see Dwg. W1.
For Camber Diagram see Dwg. S32.
For Stiffener Details see Dwg. S33.
For Stud Layout see Dwg. S47.
For Sections not shown see Dwg. S34.

| | |
|---|-------------------|
| 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





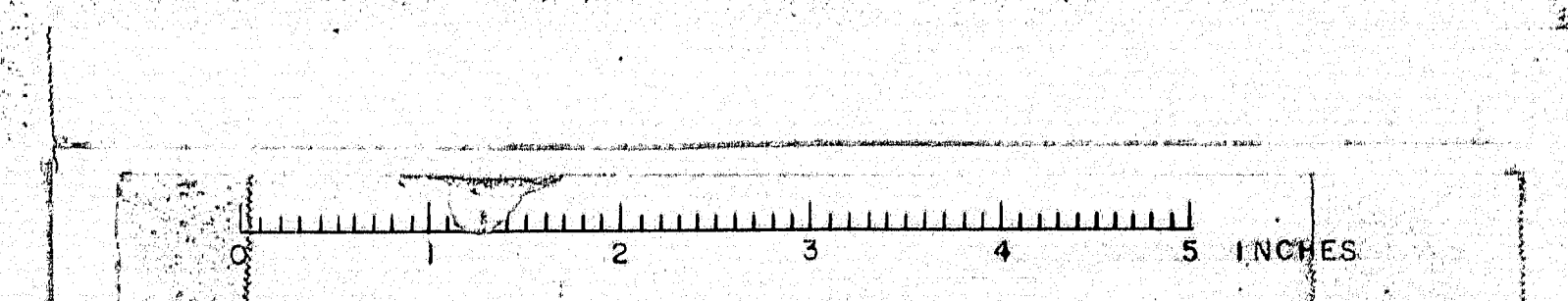
GIRDER GA5 - ONE REQ'D - As Noted
 GIRDER GD5 - ONE REQ'D - As Noted

Quantities shown are for One Bridge
 Suffix SB to be added to South Bound Girders (Bill of Material S45S)
 do NB do do North Bound do do do S45N)

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 GA5 & GD5 | |
| 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-545 |

| | |
|----------|---------------|
| DRAWN | 3-4-63 J.P.P. |
| REVISION | |
| REVISION | |
| REVISION | |



| 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 | PL 66x 1/2 | 46' 10 3/4" | | |
| | 2 | PW9 | Do | 46' 10 3/4" | | |
| | 2 | pt3 | PL 14x 1" | 5' 0" | | |
| | 2 | pt9 | PL 9x 1/2 | 44' 4 3/4" | | |
| | 2 | pt10 | Do | 44' 4 1/2" | | |
| | 2 | pb19 | PL 14x 1 1/2 | 46' 0" | | |
| | 2 | pb20 | PL 14x 1 1/2 | 21' 9 1/6" | | |
| | 2 | pb21 | PL 14x 1" | 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 | PL 66x 1/2 | 46' 10 3/4" | | |
| | 2 | PW9 | Do | 46' 10 3/4" | | |
| | 2 | pt3 | PL 14x 1" | 5' 0" | | |
| | 2 | pt9 | PL 9x 1/2 | 44' 4 3/4" | | |
| | 2 | pt10 | Do | 44' 4 1/2" | | |
| | 2 | pb19 | PL 14x 1 1/2 | 46' 0" | | |
| | 2 | pb20 | PL 14x 1 1/2 | 21' 9 1/6" | | |
| | 2 | pb21 | PL 14x 1" | 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

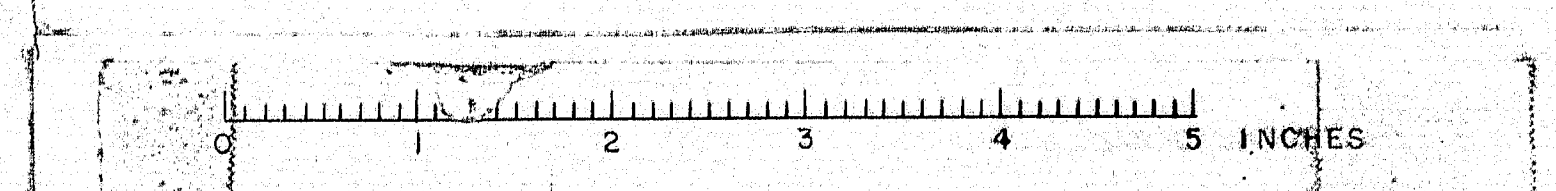
CUSTOMER E.G. SNODGRASS INC.

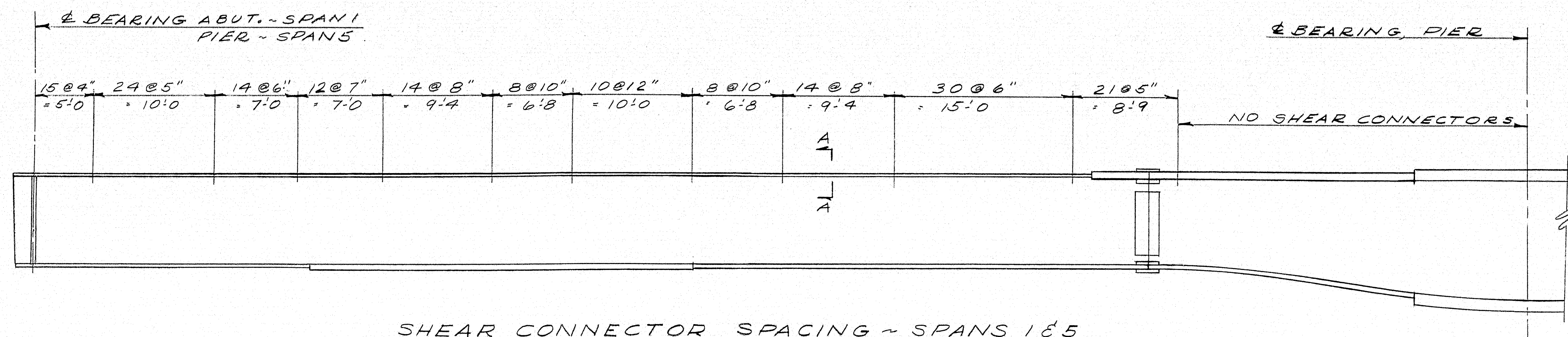
DESIGNER MAINE S.H.C. BRIDGE DIV.

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

| | |
|----------|------------|
| DRAWN | 3-4-63 JRF |
| REVISION | |
| REVISION | |
| REVISION | |

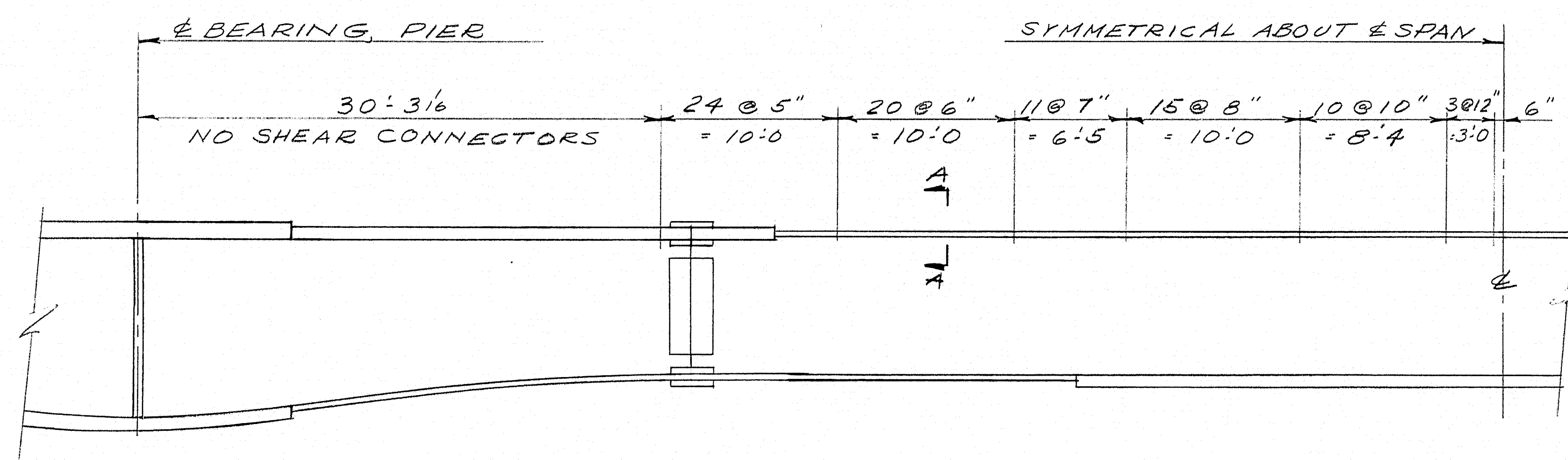
89-150 B





SHEAR CONNECTOR SPACING ~ SPANS 1 & 5

342 REQD. PER GIRDER
2,736 TOTAL REQD. FOR N.B.
2,736 TOTAL REQD. FOR S.B.

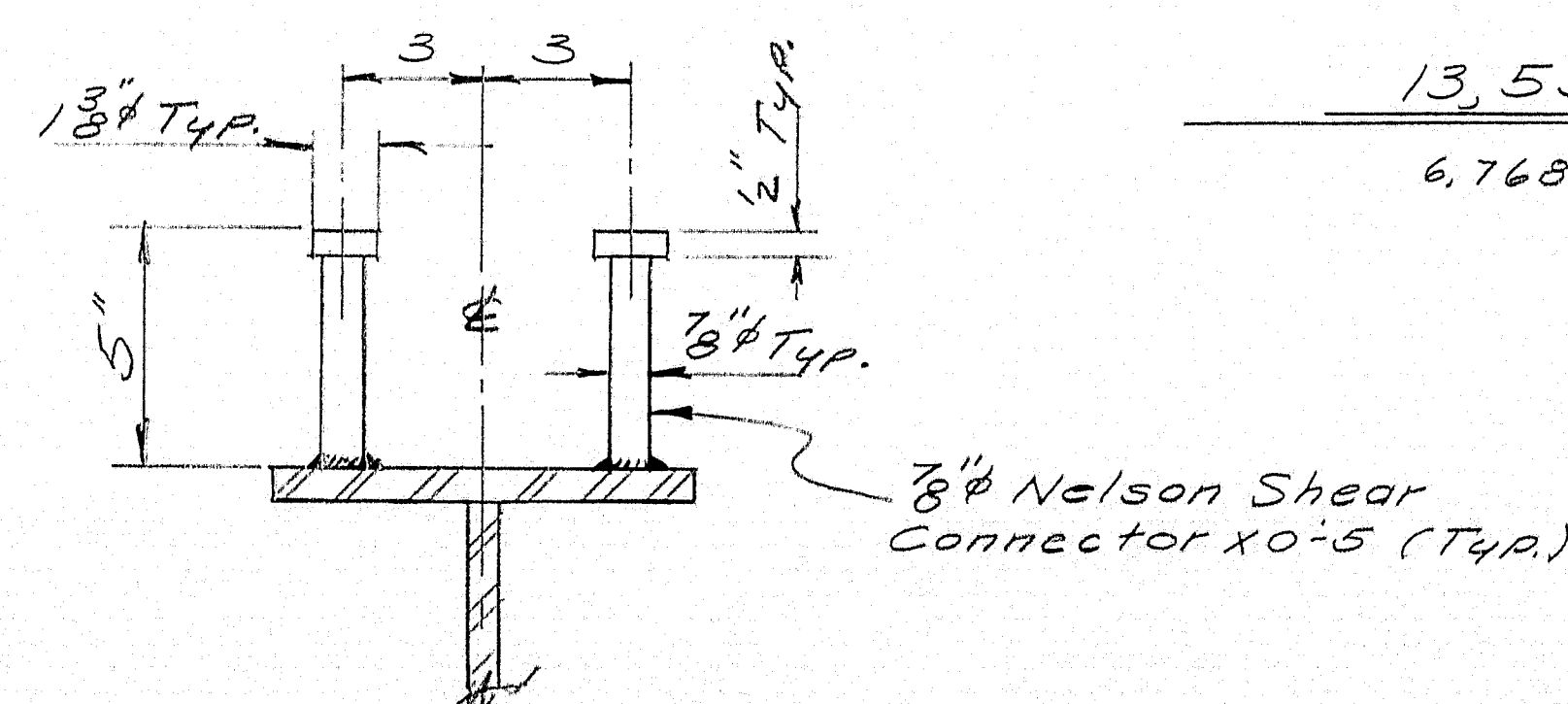


SHEAR CONNECTOR SPACING ~ SPANS 2, 3 & 4

336 REQD. PER GIRDER
4,032 TOTAL REQD. FOR N.B.
4,032 TOTAL REQD. 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 |
| <u>NORTH BOUND</u> | | | | | | |
| 6768 | | | 7/8" Shear Conn. | 0 5 | | Nelson Shear Conn. |
| <u>SOUTH BOUND</u> | | | | | | |
| 6768 | | | 7/8" Shear Conn. | 0 5 | | Nelson Shear Conn. |
| <u>ITEM NO. 705-17</u> | | | | | | |

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

STUD LAYOUT DETAILS

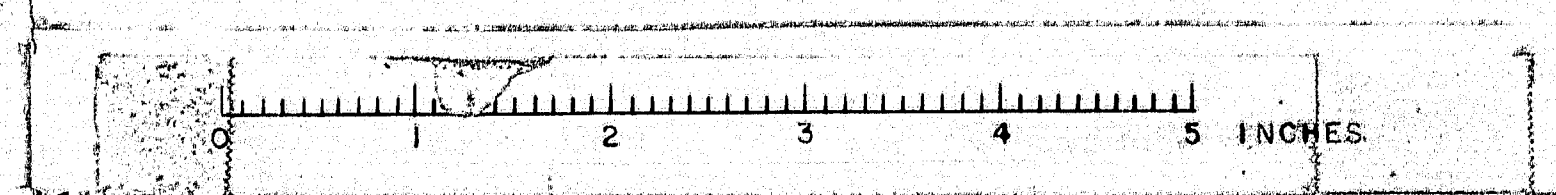
Bancroft & Martin Inc.
South Portland, Maine

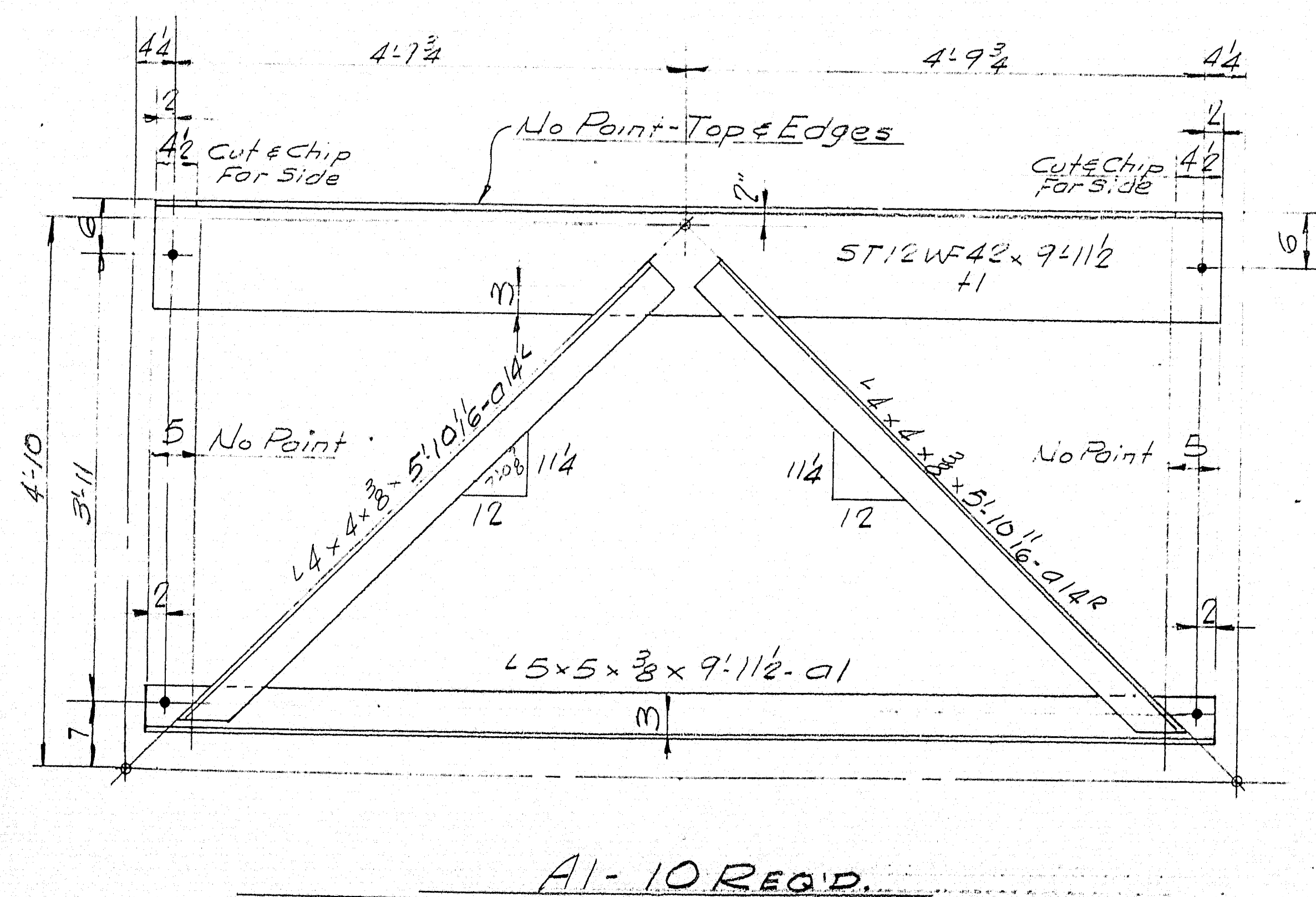
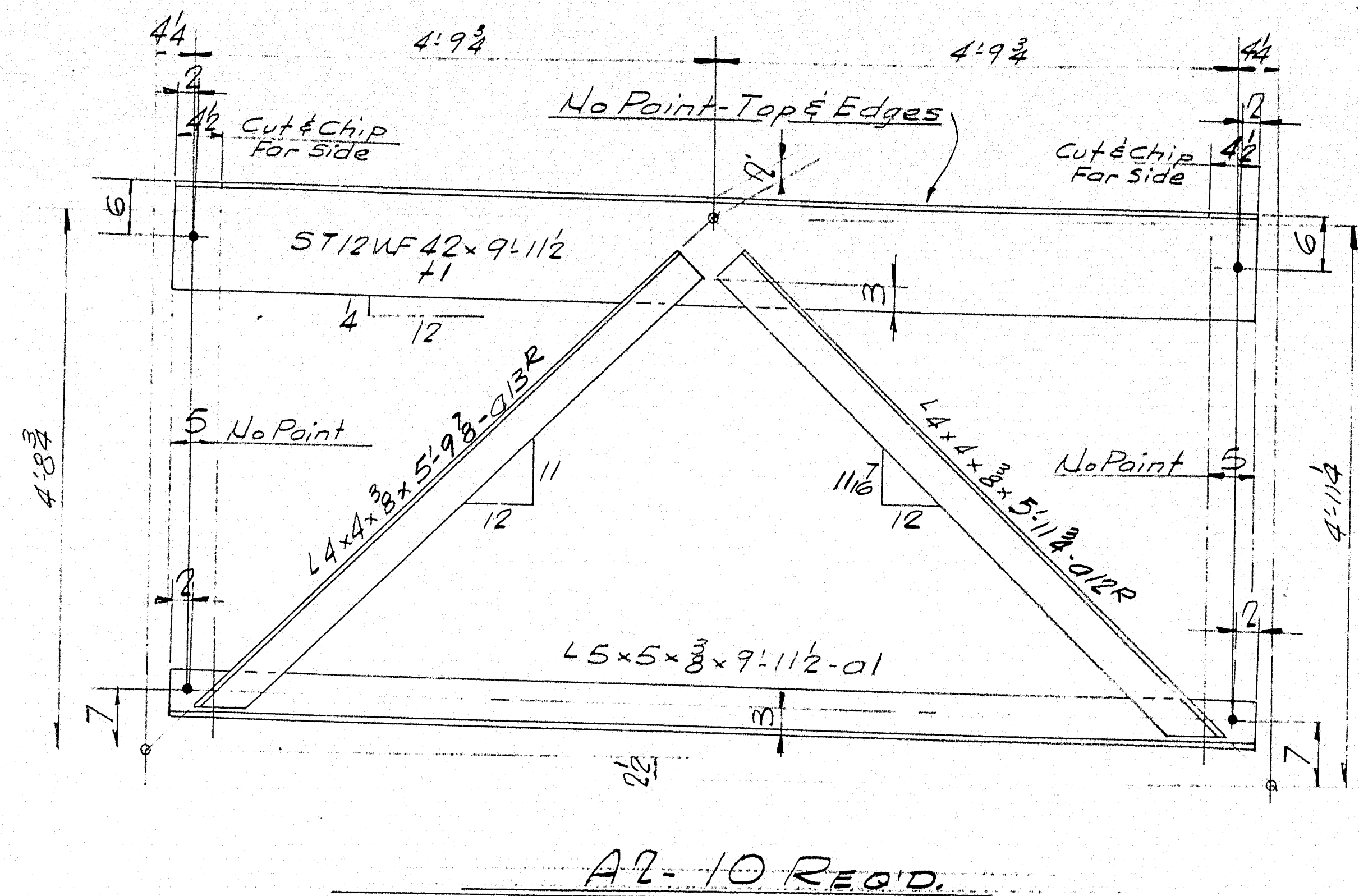
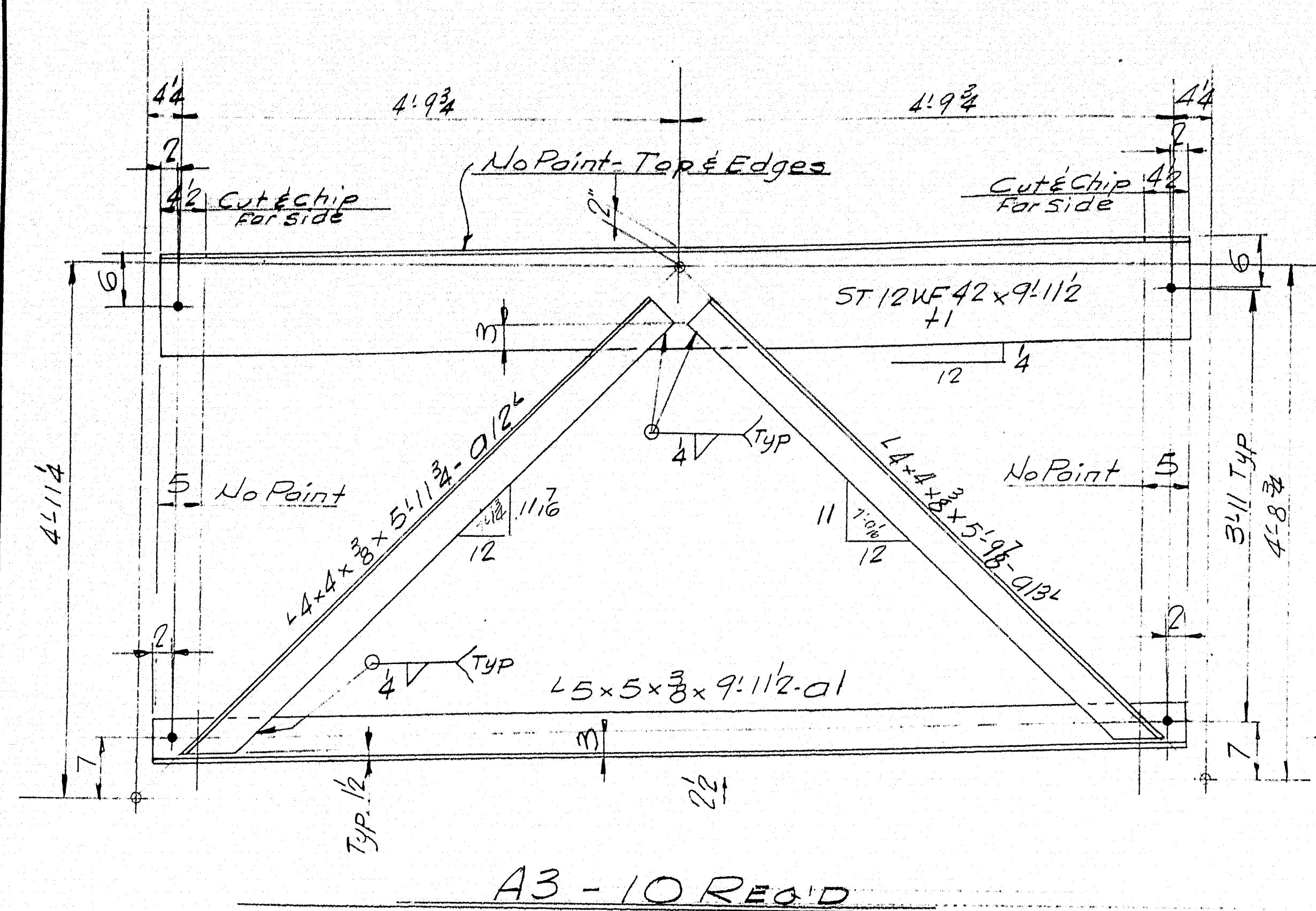
CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE

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

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

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





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)

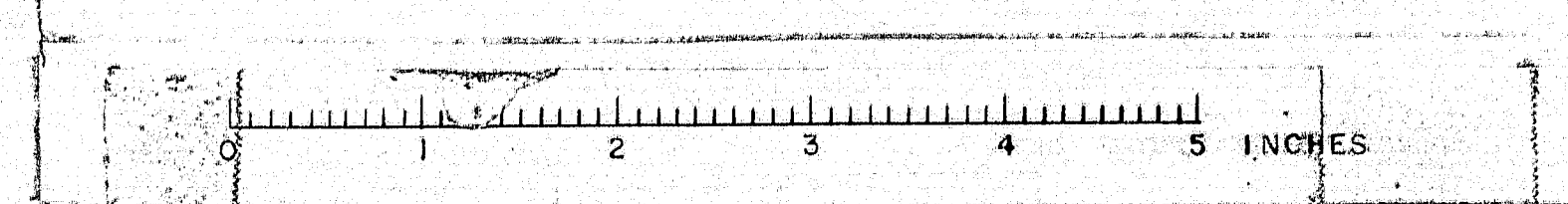
SHOP CONNECTIONS: Welded
 FIELD CONNECTIONS: Welded
 HOLES: 1/8" ϕ
 PAINT: Per Maine Specs & as noted

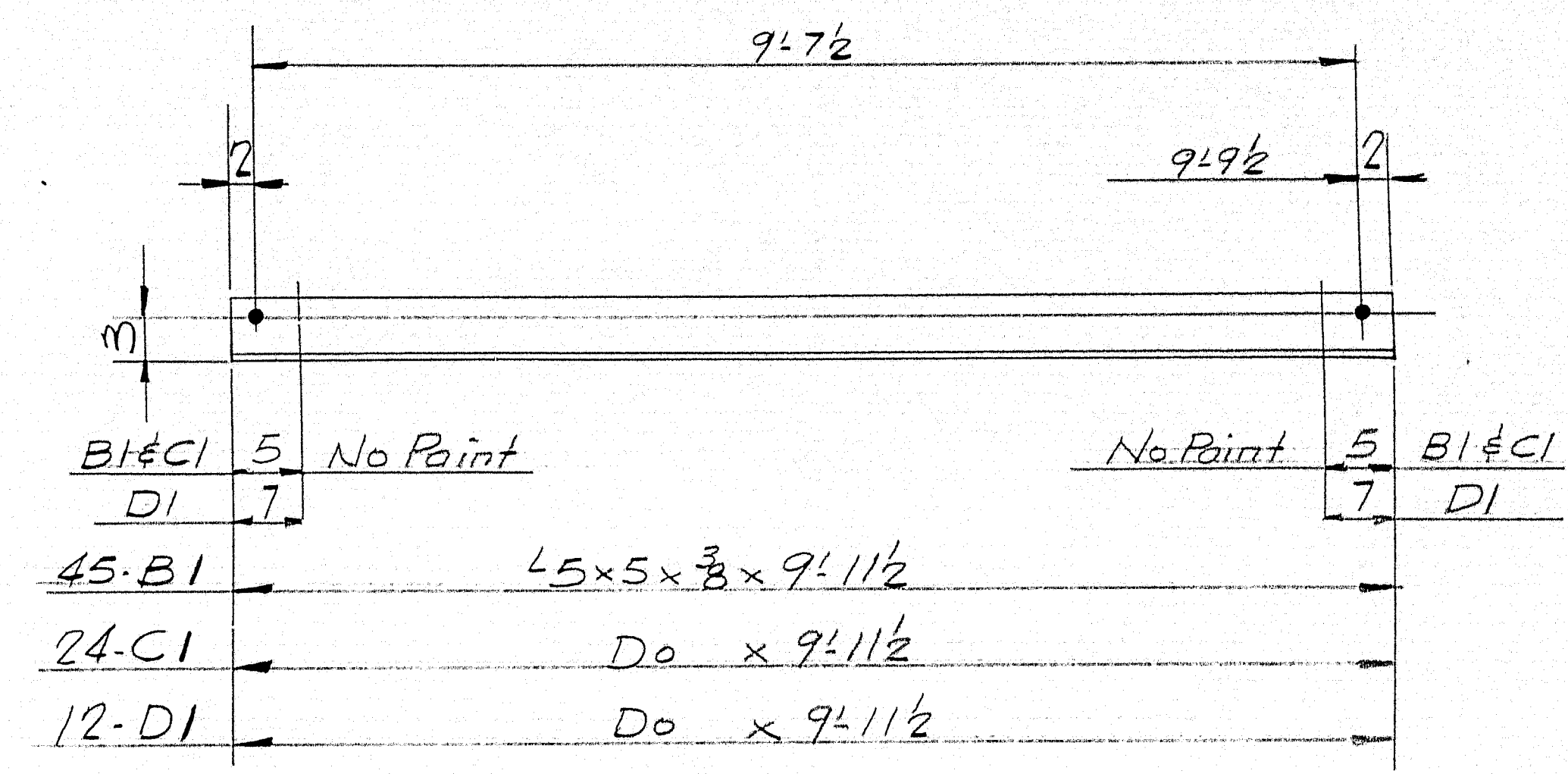
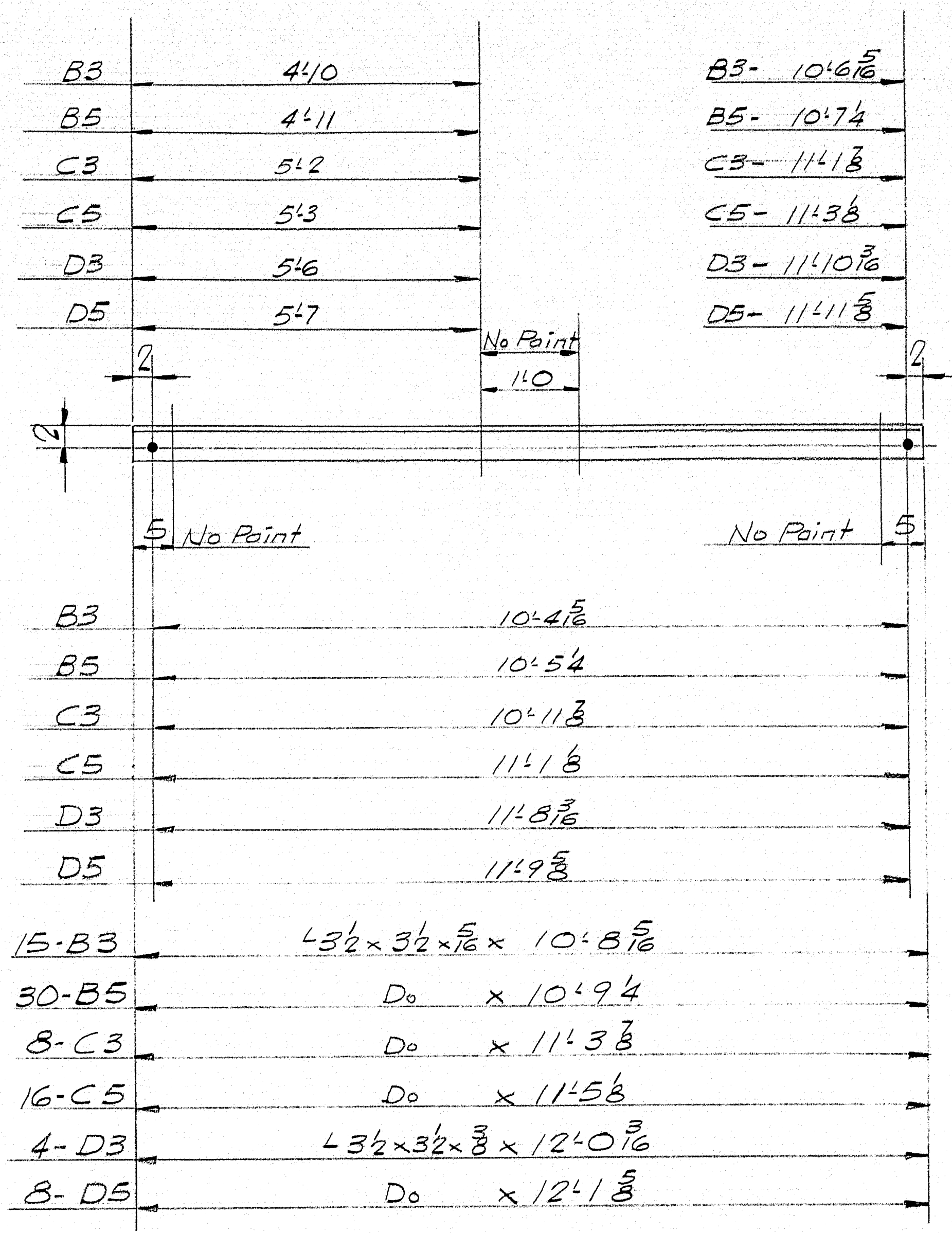
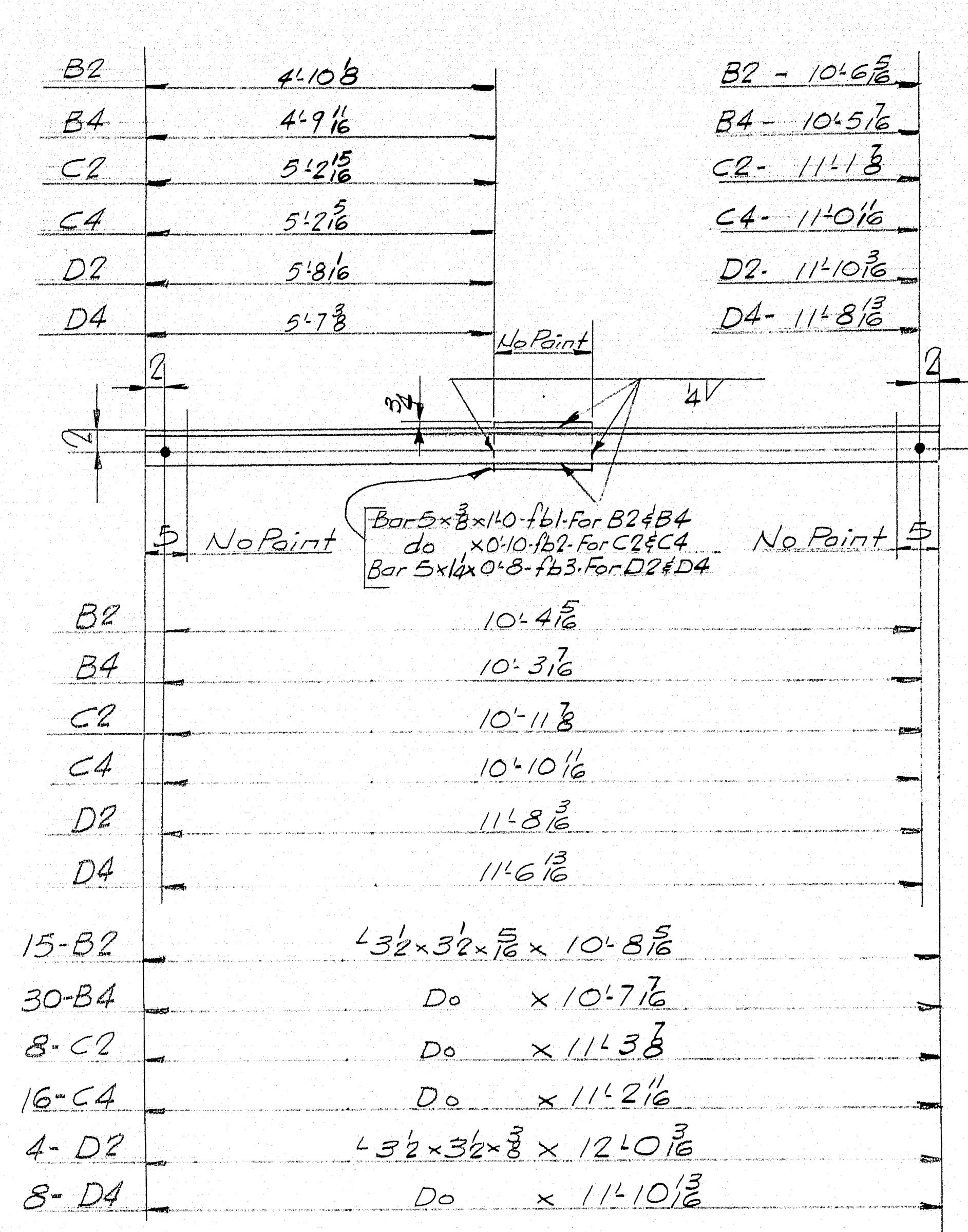
APP. 5.29.63

| |
|--|
| 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

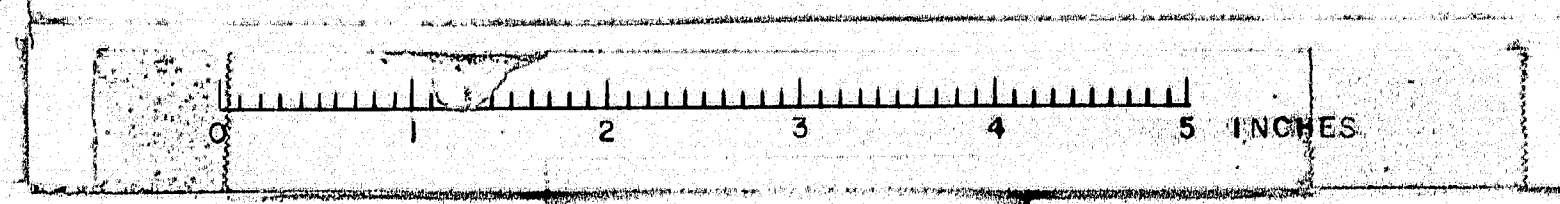
Ramcraft & Martin Rolling Mills Company
South Portland 7, Maine

CLINTON A. CLAUSON MEM. BRIDGE
FAIRFIELD, MAINE

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

ORDER NO. VERBAL DWG. NO. 63-5-549

| | |
|----------|---------------|
| 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 1/2 | | |
| B3SB | 15 | | Do | 10 8 1/2 | | |
| 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 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 1/2 | | |
| D3SB | 4 | | Do | 12 0 1/2 | | |
| D4SB | 8 | | Do | 11 10 1/2 | | |
| 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 1/2 | | |
| B3NB | 15 | | Do | 10 8 1/2 | | |
| 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 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 1/2 | | |
| D3NB | 4 | | Do | 12 0 1/2 | | |
| D4NB | 8 | | Do | 11 10 1/2 | | |
| 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

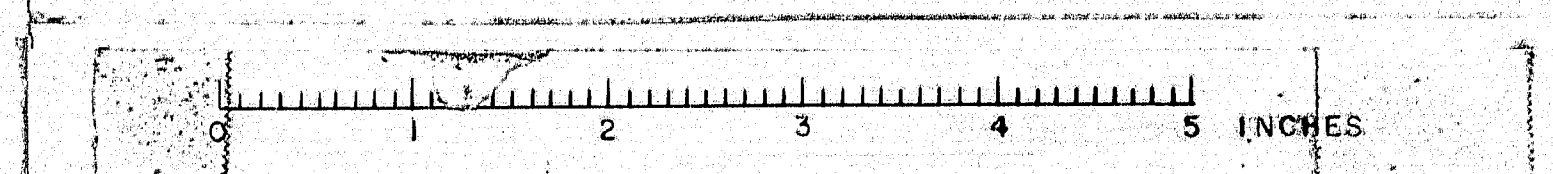
CLINTON A. CLAUSON MENT. BRIDGE
FAIRFIELD, MAINE

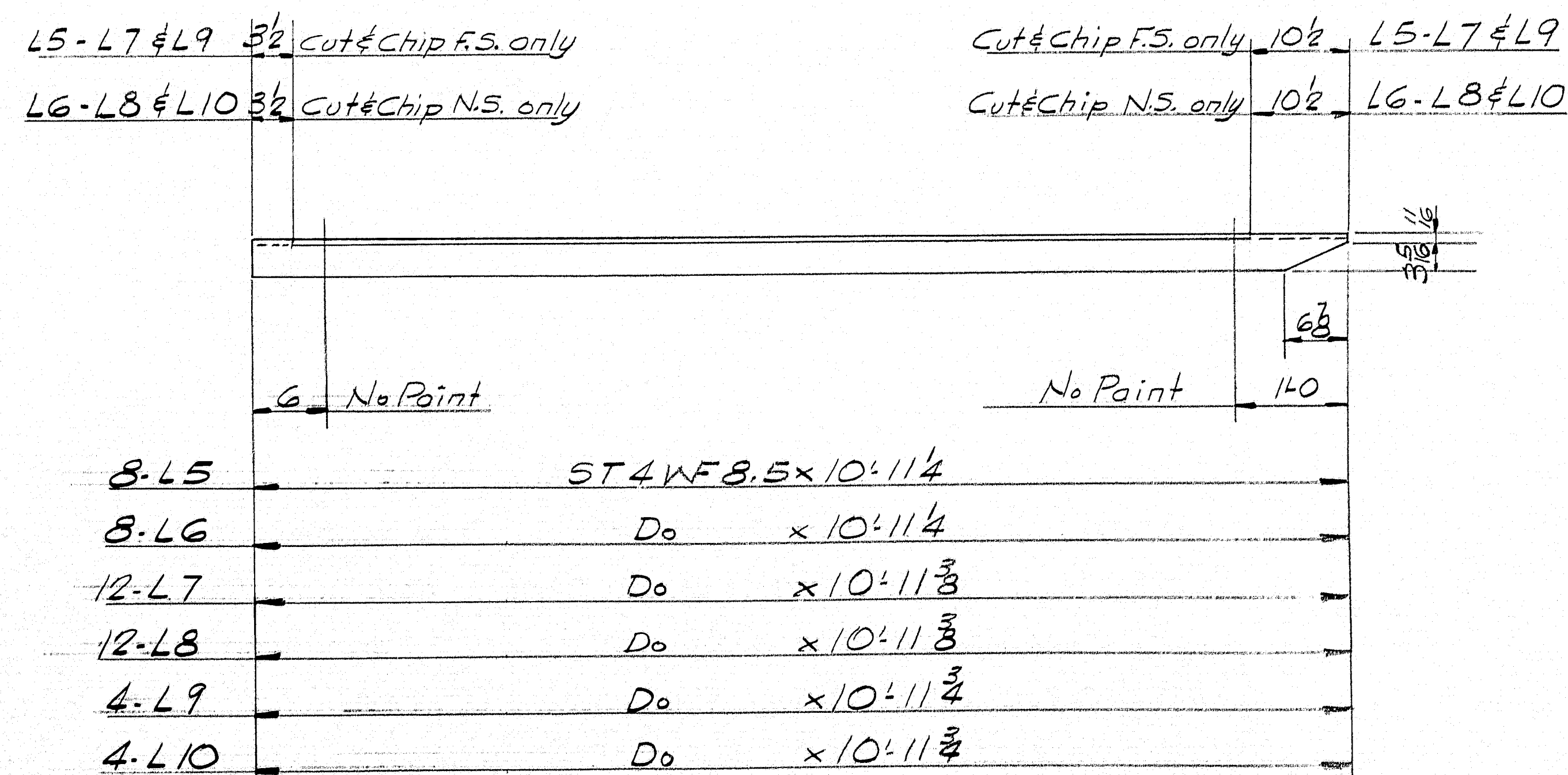
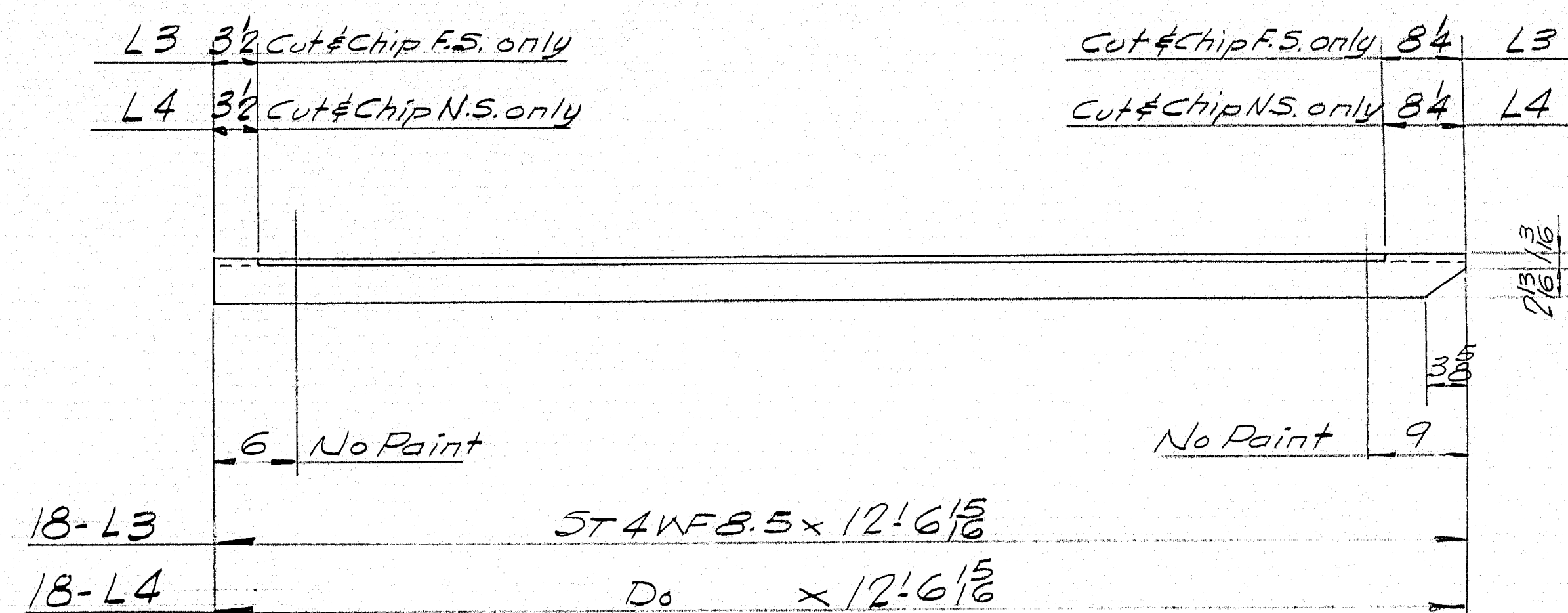
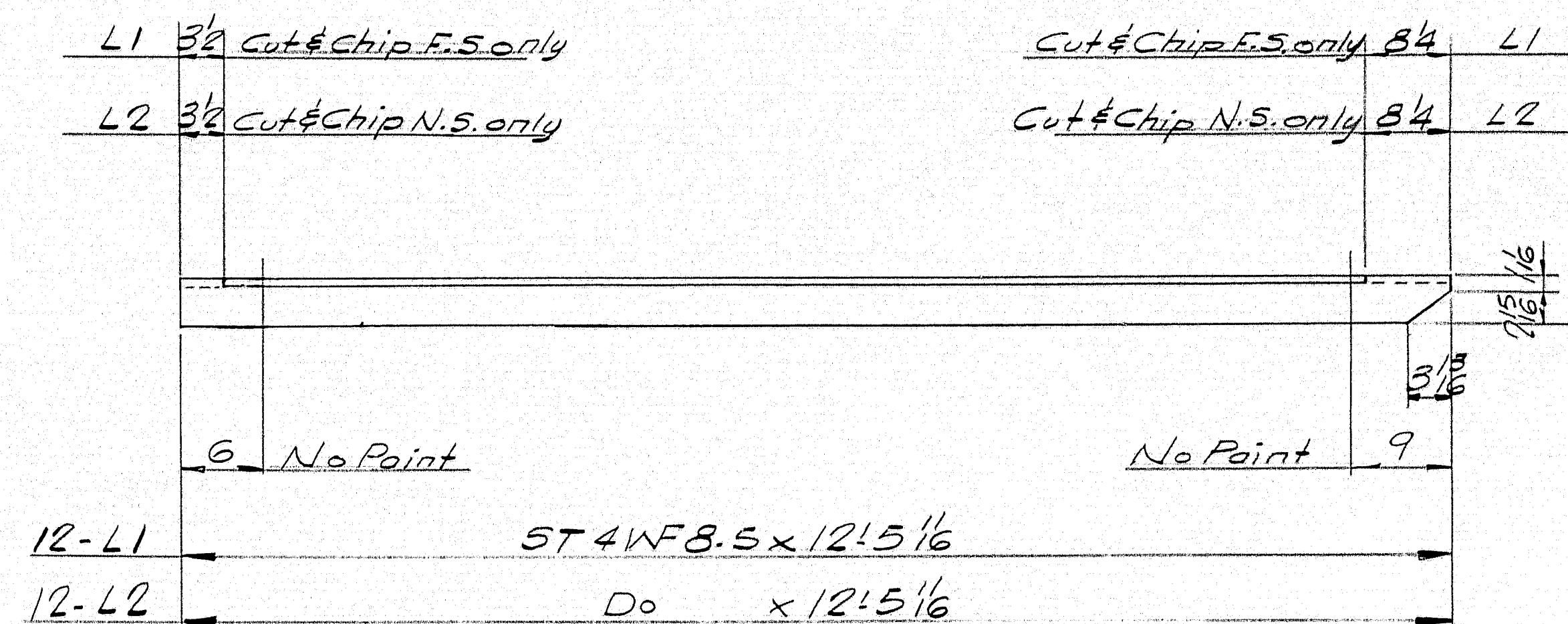
CUSTOMER E.C. SNODGRASS INC.
DESIGNER MAINE S.H.C. BRIDGE DIV.

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

| | |
|----------|-------------|
| DRAWN | B.S. 63 JRR |
| REVISION | |
| REVISION | |
| VISION | |

89-153 B





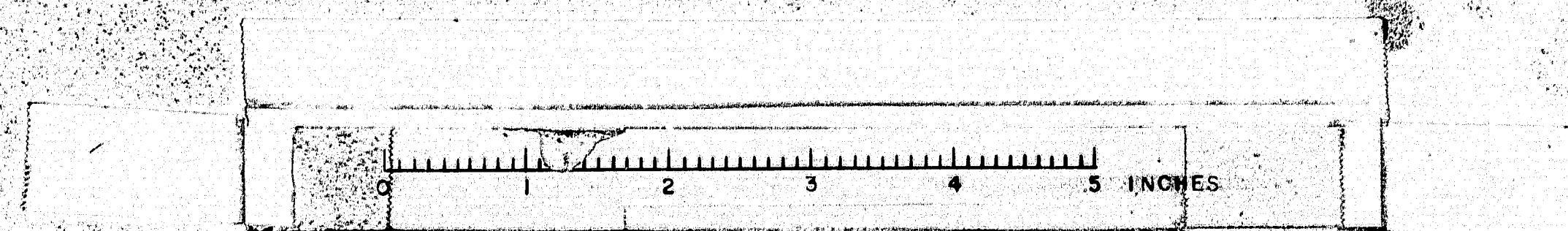
Quantities shown are for One Bridge
 Suffix SB to be added to South Bound Bracing (Bill of Material 550S)
 do NB do do North Bound do (do do 550N)

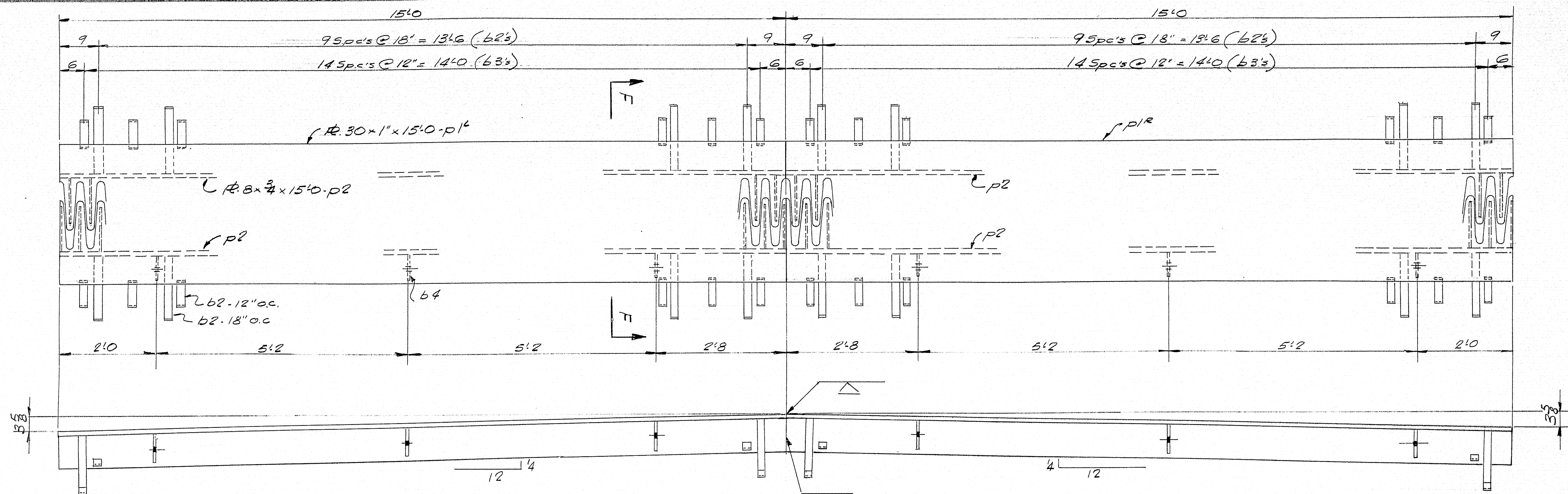
FIELD CONN: Welded
 PAINT: Per State of Maine
 Specs & as noted.

APR 30 1963

| | |
|--|-----------------------------------|
| SPANS 1 TO 5 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. 63-5-550 |

| | |
|----------|------------------|
| DRAWN | S.B. G.B. T.P.F. |
| REVISION | |
| REVISION | |
| REVISION | |

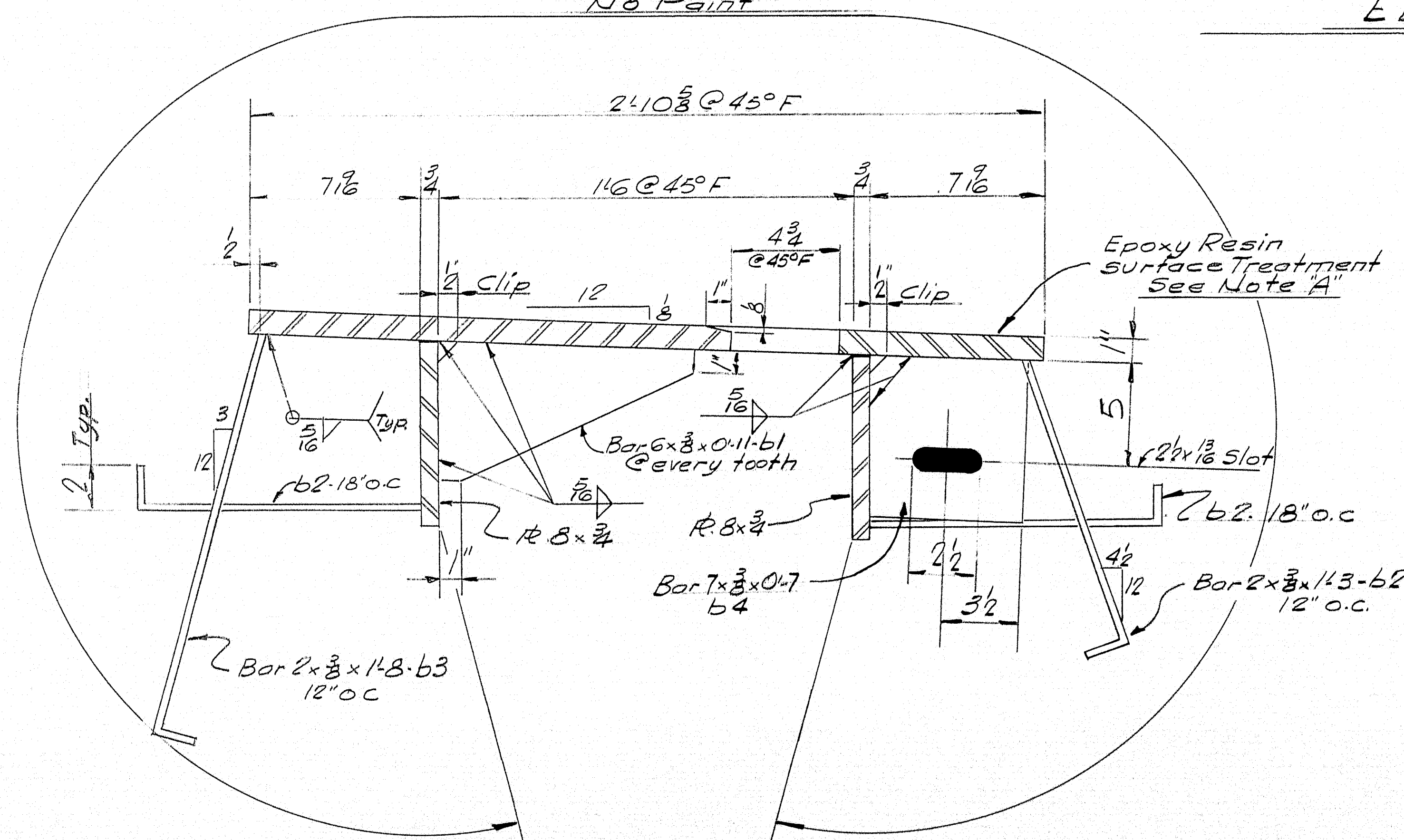




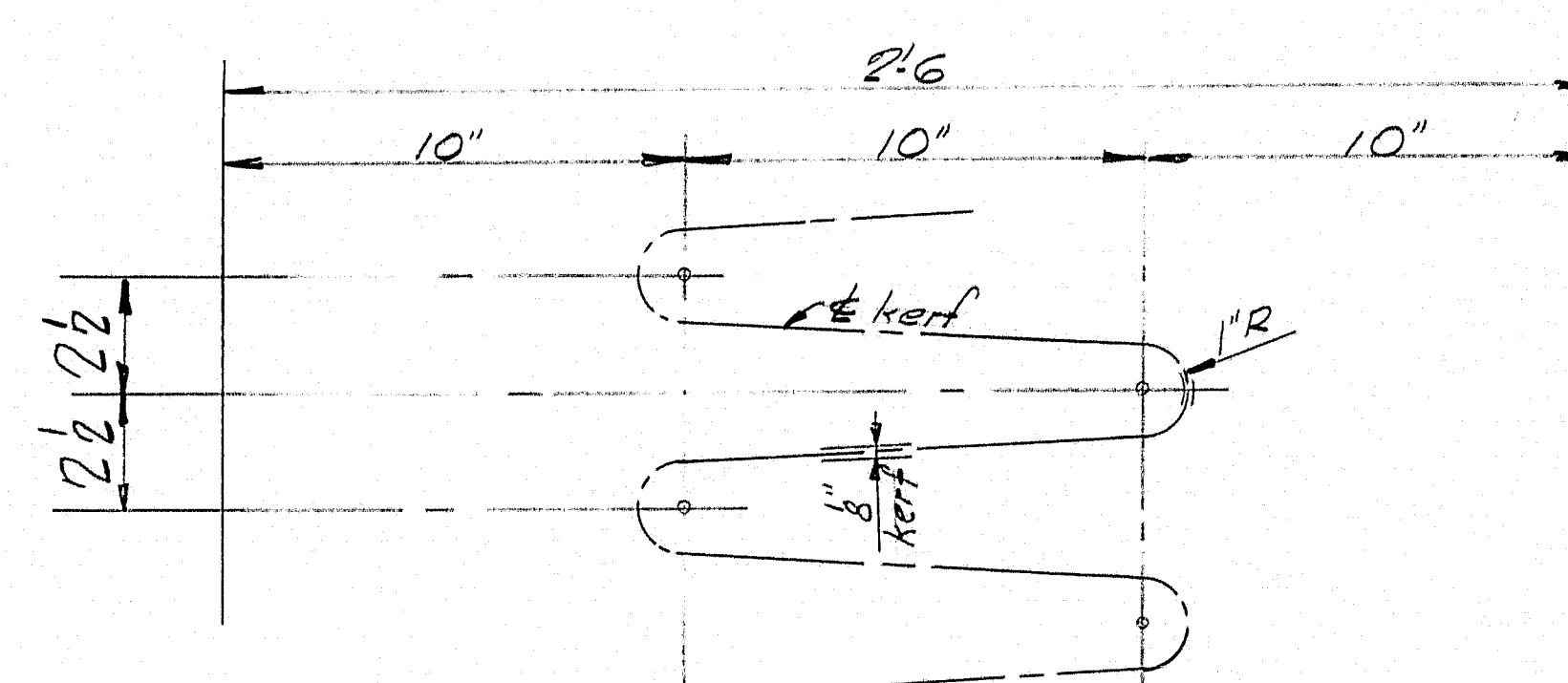
No Paint

EDI-ONE REQD.

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)

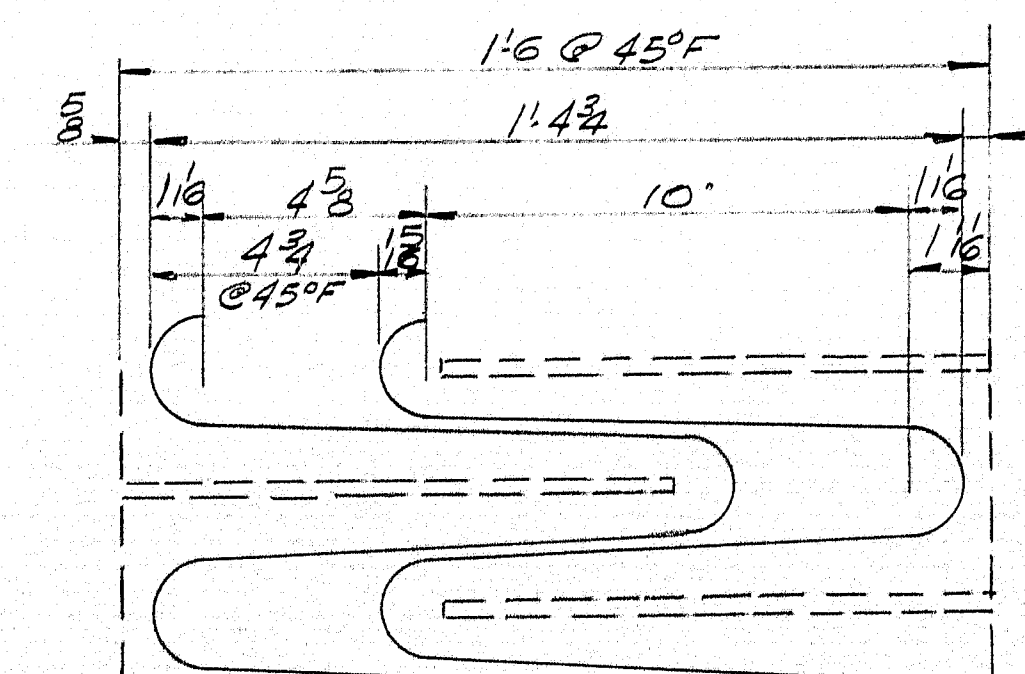


SECTION F-F



CUTTING DETAIL

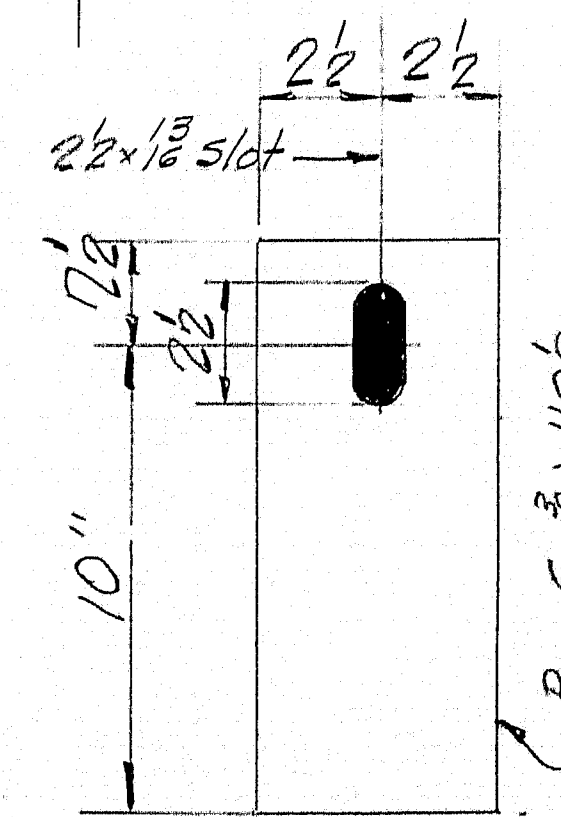
Cut from R. 30 x 1"



TOOTH DETAIL

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



b5-G Reg'd.

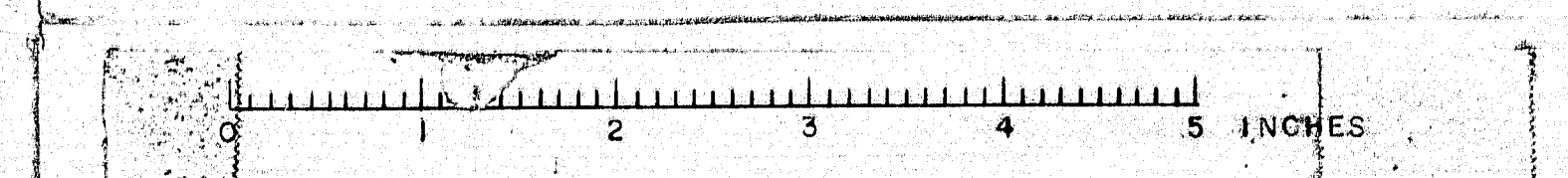
No Paint
 Bolt to b4 for shipment
 1-3/4" M. Bolt x 2"

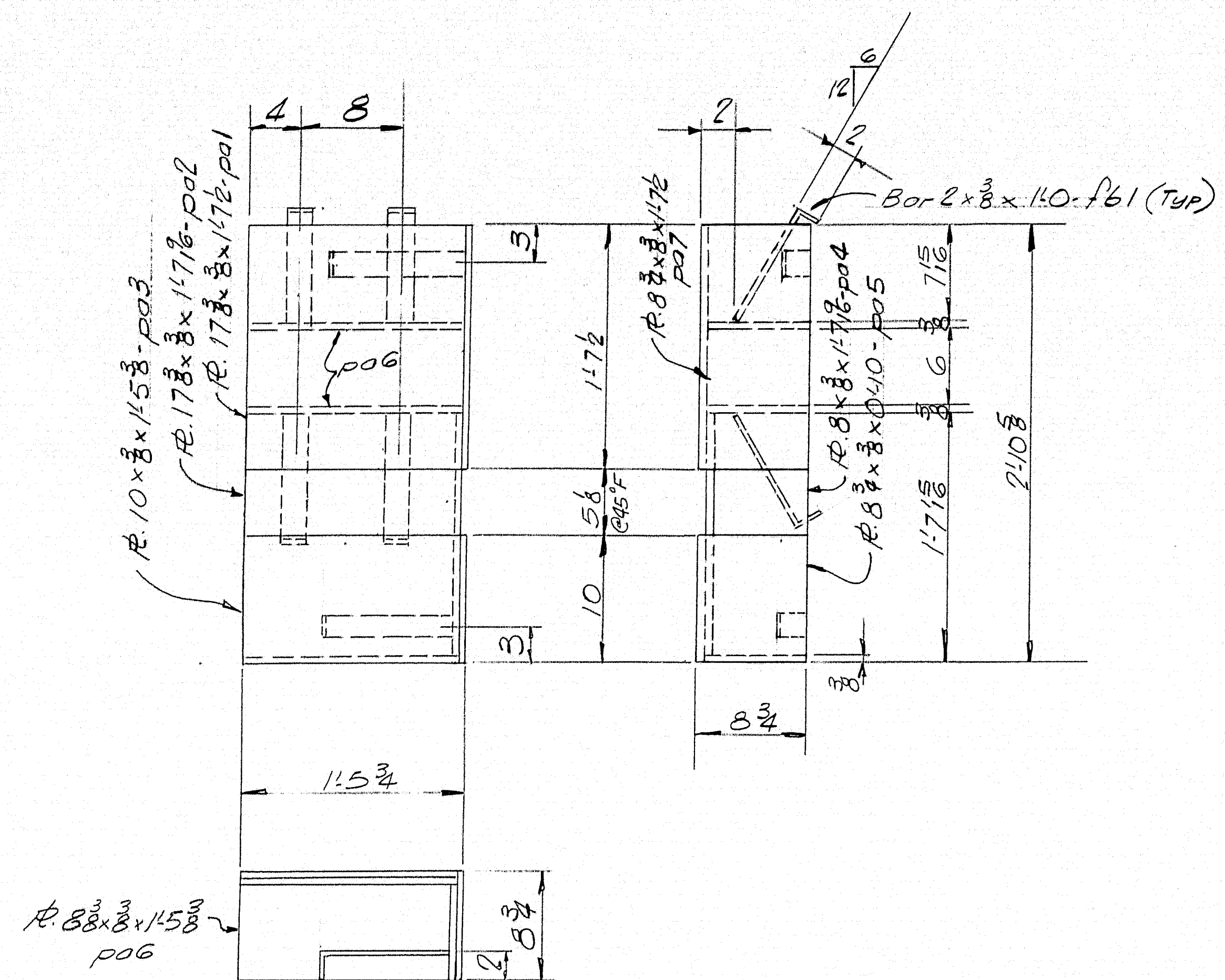
| | |
|----------|----------------|
| DRAWN | 4-18-63 J.P.F. |
| REVISION | |
| REVISION | |
| REVISION | |

| | |
|--|--------------------------|
| ABUTMENT #1 S.B. & N.B. | |
| EXPANSION DAM (ROADWAY) | |
| BRANCOFF & MORTON HOLDING MILLS COMPANY South Portland 7, Maine | |
| CLINTON A. CLAUSON MEM. BRIDGE FAIRFIELD, MAINE | |
| CUSTOMER <u>E.C. SNODGRASS INC.</u> | |
| DESIGNER <u>MAINE S.H.C. BRIDGE DIV.</u> | |
| ORDER NO. <u>VERBAL</u> | DWG. NO. <u>63-5-551</u> |

APP 4-25-63

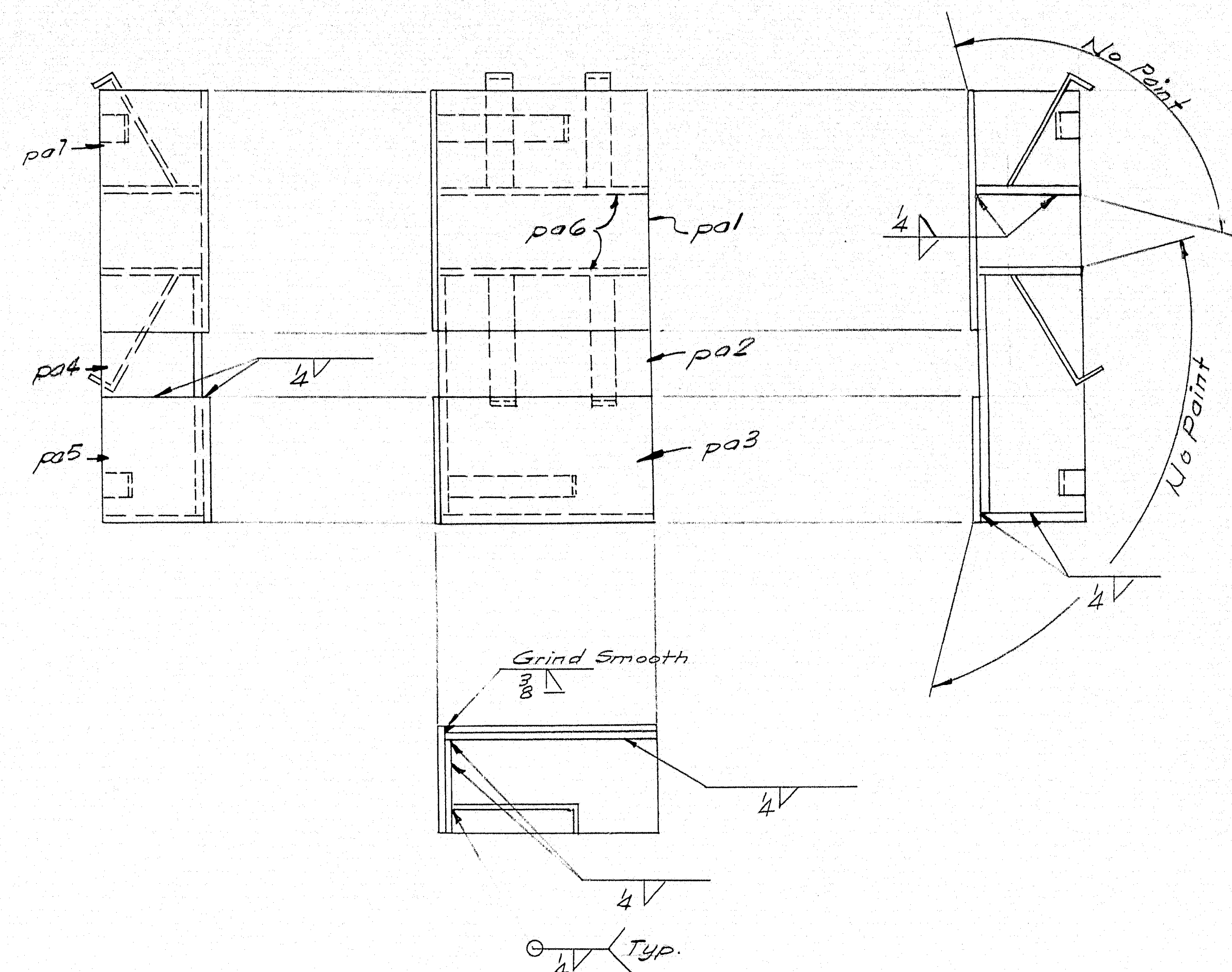
©





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

NORTH



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

| | | |
|--------------|---|------------------------------------|
| APP. 4.15.63 | ABUTMENT #1-SB & N.B. | |
| | EXPANSION DAMS (CURBS) | |
| | Rancourt & 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 | |

