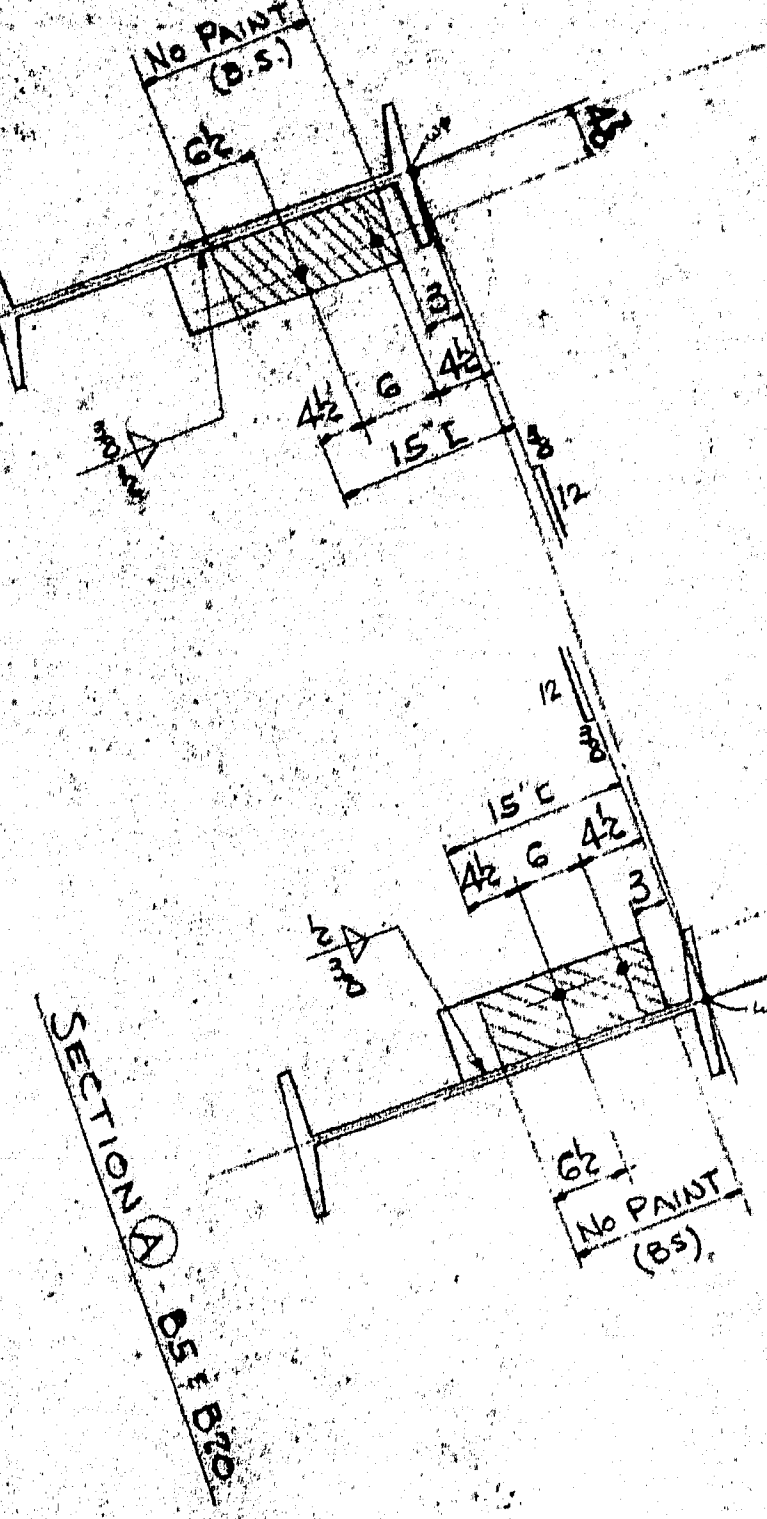




SECTION A - B1, B5



B1	5'-7 1/2"	21'-7 1/2"	37'-7 1/2"
B5	12'-9 1/2"	28'-9 1/2"	44'-9 1/2"
B16	6'-4 1/4"	22'-4 1/4"	38'-4 1/4"
B20	12'-0 1/2"	28'-0 1/2"	44'-0 1/2"

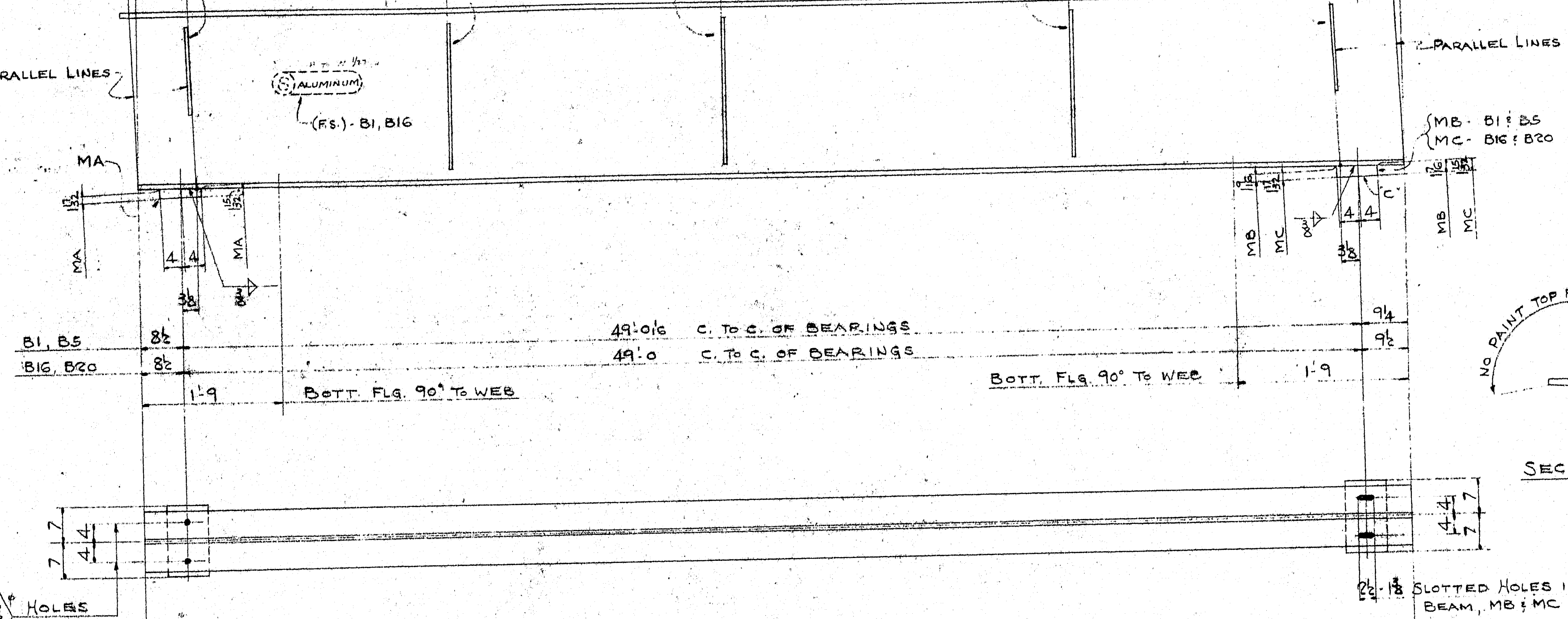
CUT B1, B5  
CUT B16, B20

ma (N.S.) - B1, B16  
mb (F.S.) - B5, B20

mc (N.S.) - B1, B16  
md (F.S.) - B5, B20

me (N.S.) - B1, B16  
mf (F.S.) - B5, B20

mg (N.S.) - B1, B16  
mh (F.S.) - B5, B20



HOLES

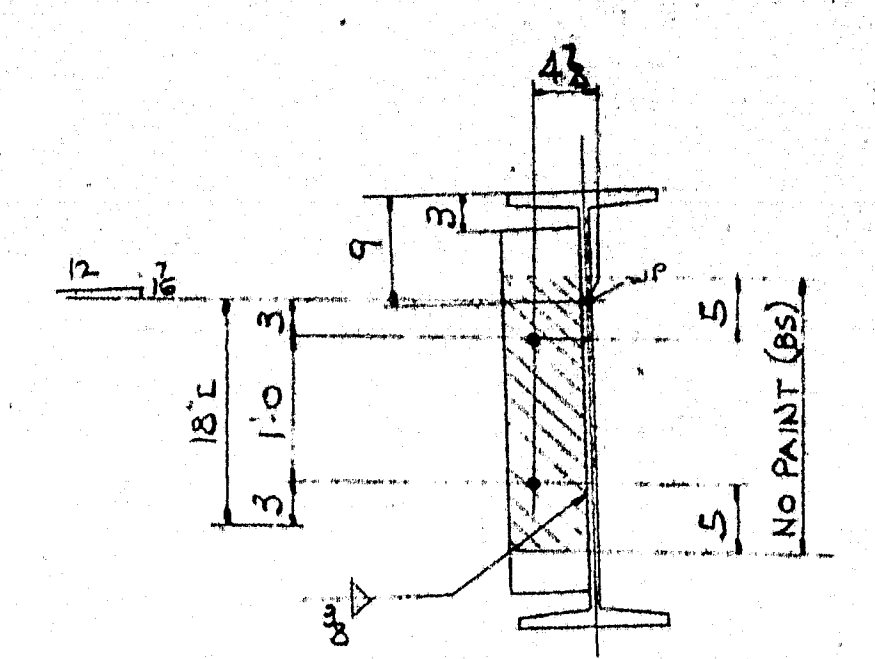
BOTTOM SECTION

MARK	NO.	REQ'D	SPAN
B1	ONE	1	
B5	ONE	1	
B16	ONE	4	
B20	ONE	4	

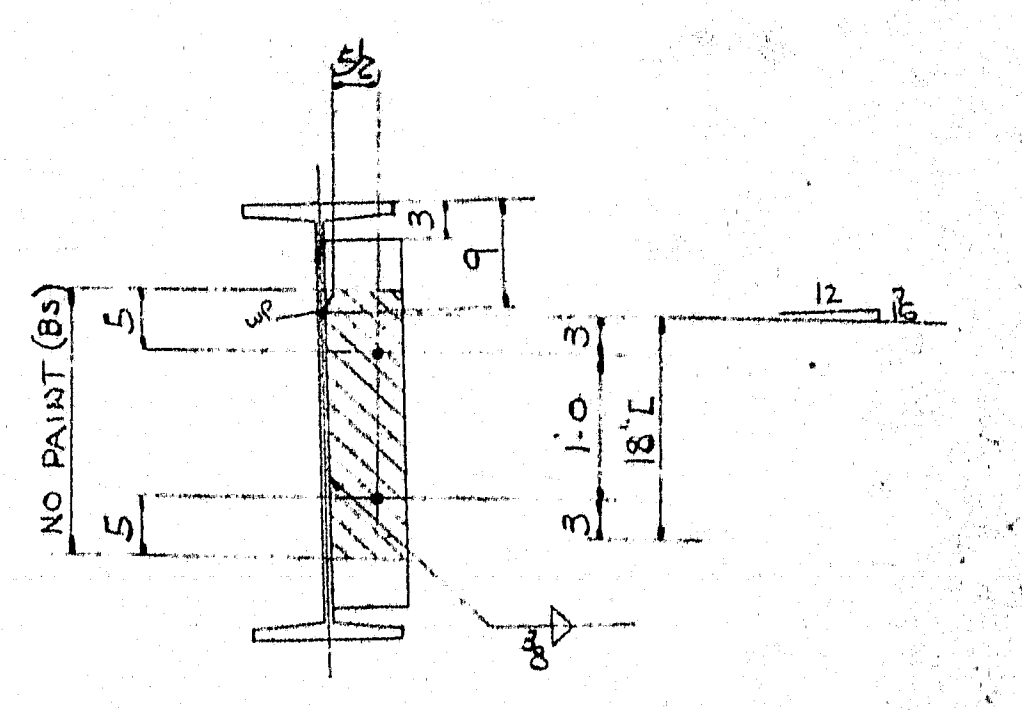
4. R. 3 - (1 1/2 - 1 1/2) (MIS) - 1-2 MA  
2. R. 8 - (1 1/2 - 1 1/2) (M2S) - 1-2 MB - B1, B5  
2. R. 8 - (1 1/2 - 1 1/2) (M2S) - 1-2 MC - B16, B20  
(ORD. DET. ON SHEET #1)  
DO NOT DUPLICATE

2. R. 6 1/2 - 1-1 G md - B1, B16 (ORD. 18'-1 1/2 - 16'-6) 3/4  
2. R. 6 1/2 - 1-1 G mb - B5, B20 (ORD. 18'-1 1/2 - 16'-6) 3/4  
6. R. 6 1/2 - 1-2 G mc - B1, B16 (ORD. 30'-1 1/2 - 16'-6) 3/4  
6. R. 6 1/2 - 1-2 G md - B5, B20 (ORD. 30'-1 1/2 - 16'-6) 3/4  
2. R. 6 1/2 - 1-1 G mf - B1, B16 (ORD. 18'-1 1/2 - 16'-6) 3/4  
2. R. 6 1/2 - 1-1 G mg - B5, B20 (ORD. 18'-1 1/2 - 16'-6) 3/4  
2 F. WELD - 12'-0 (3-0 EA. PC)  
2 F. WELD - 23'-0 (20-9 EA. PC)

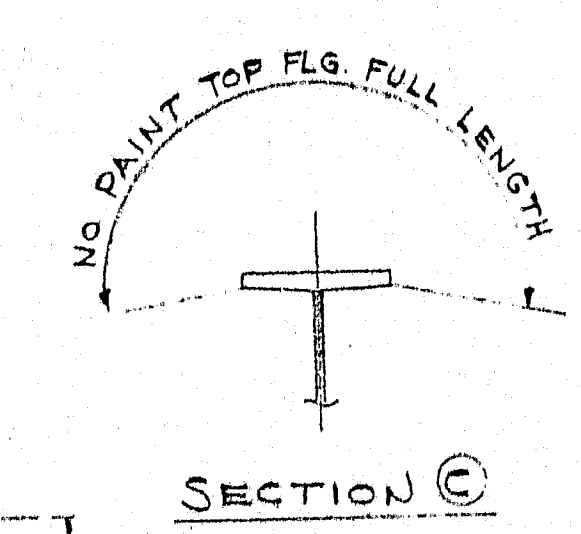
RIVETS -  
OPEN HOLES 1 1/2" UNLESS NOTED  
BEAM  
MILLING  
PAINT ONE SHOP COAT AS PER  
SPEC. - UNLESS NOTED  
WELDING AS PER SPEC.  
SHOP CONTACT SURFACES NO PAINT



SECTION B - B1, B16



SECTION B - B5, B20



SECTION C

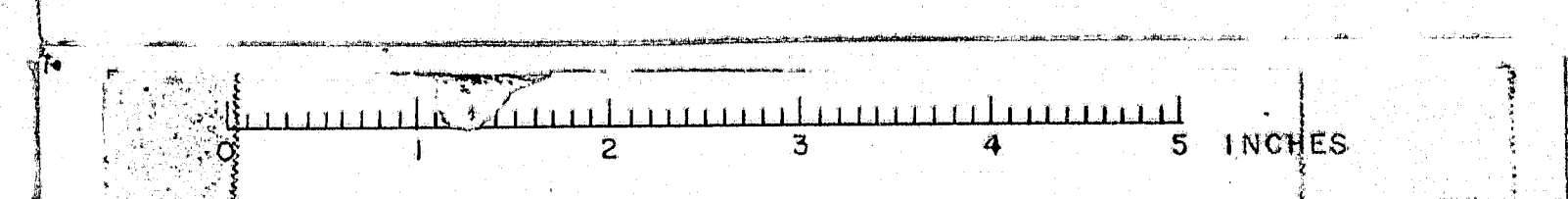
CAMBER DIAGRAM

LONGITUDINAL DIMENSIONS ARE MEASURED  
PARALLEL TO CHORD LINE

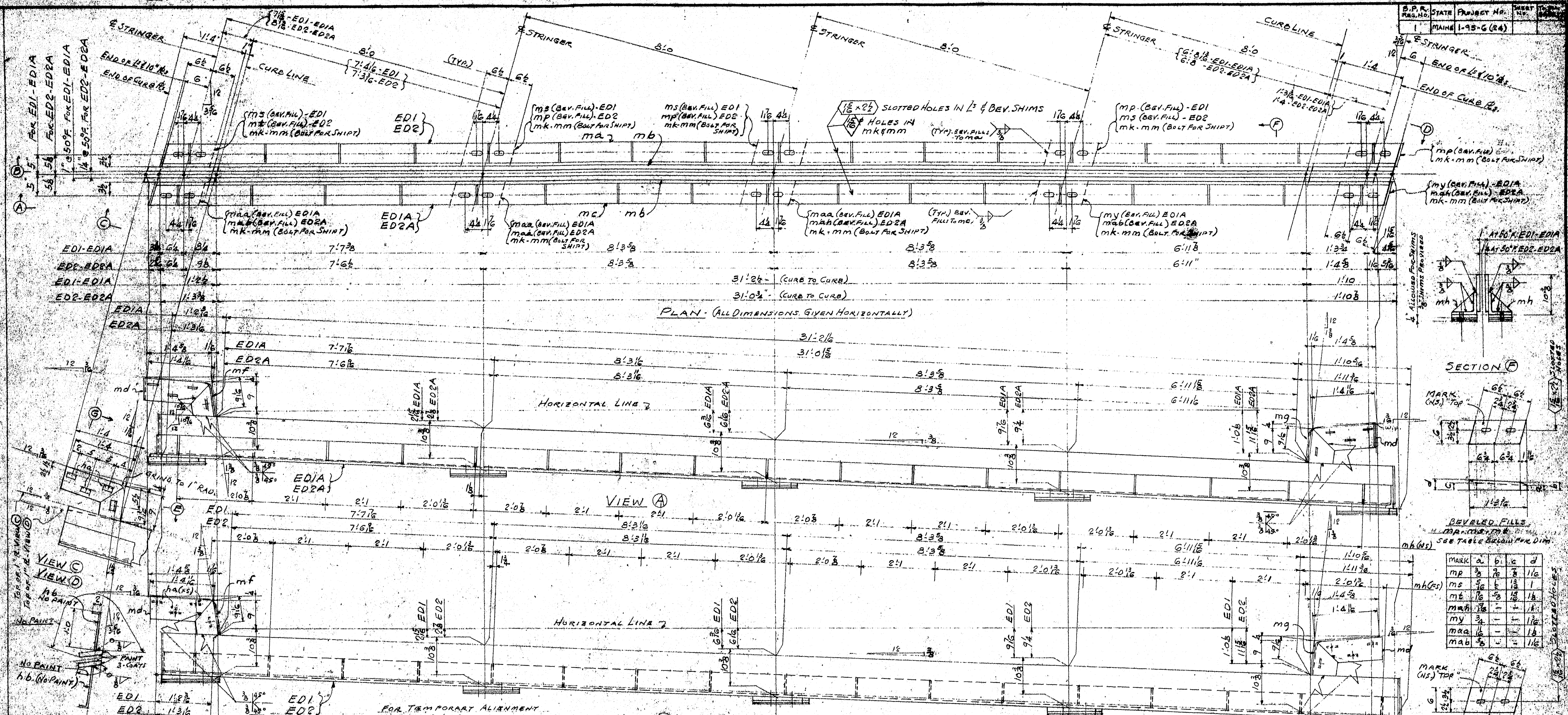
SURFACES MARKED C TO BE GIVEN ONE  
COAT OF A HOT MIXTURE OF WHITE LEAD  
AND TALLOW.

STRINGER DETAILS

TEMP.		CUSTOMER: CALLAHAN BROS INC MECHANIC FALLS, MAINE
DEPT.		STRUCTURE: INTERSTATE #95 BRIDGE OVER
LAYOUT		MAIN ST., WATerville, MAINE
PITCH		
SHOP WOP.		
FOR WEL.		
BY: SMITH		
DATE:		
WEIGHTS:		
IN CHARGE: HOOVER, S.E.C.	MADE BY: B.T.	
CHECKED BY: J. TRESCA	TRACED BY:	
REVISED:	LAST ASSEM. MK.	
SHOP NO.	CONTRACT CP4433	SHEET 2







**ED1 - ONE REQ'D. SPAN 1.**

ONE - LG 6x6x3/4x34'3 1/2 - ma (ARO. 35'0") 1/2

ONE - R 10 (u.m.) x 1/2 x 34'3 1/2 - mb (ARO. 34'9") 3/4

2 - R 6x1 x 1/2 x 14'1 1/2 - md

ONE - R 6x1 x 9/8 - mf

6 - BARS 2x2x1/2 - ha

2 - BARS 2x2x1/2 - hb

5 - FILLS 6x6 x 1/3 1/2 - mk

5 - FILLS 6x6 x 1/3 1/2 - mm

2 - BEV. FILLS 6x6 x 1/2 x 1/2 x 1/2 - mp

3 - BEV. FILLS 6x6 x 1/2 x 1/2 x 1/2 - ms

5 - T.B. 3/8 x 3' LG

3/8" F. WELD x 39'5 (INTERM.)

3/8" F. WELD x 4'10 (INTERM.)

17 - BARS 5/8 x 3/4 - mh

ONE - BAR 6x6 1/2 - mg

**ED2 - ONE REQ'D. SPAN 2.**

ONE - L ma 1/2

ONE - R mb 3/4

2 - R md

ONE - R mf

6 - BARS ha

2 - BARS hb

5 - FILLS mk

5 - FILLS mm

3 - BEV. FIL mp

ONE - BEV. FIL ms

ONE - BEV. FIL 6x6 x 1/2 x 1/2 x 1/2 - ma

5 - T.B. 3/8 x 3' LG

3/8" F. WELD x 39'5 (INTERM.)

3/8" F. WELD x 4'10 (INTERM.)

17 - BARS 5/8 x 3/4 - mh

ONE - BAR 6x6 1/2 - mg

**ED3 - ONE REQ'D. SPAN 3.**

ONE - L mc 1/2

ONE - R mb 3/4

2 - R md

ONE - R mf

6 - BARS ha

2 - BARS hb

5 - FILLS mk

5 - FILLS mm

2 - BEV. FILLS 6x6 x 1/2 x 1/2 x 1/2 - ma

3 - BEV. FILLS 6x6 x 1/2 x 1/2 x 1/2 - ma

5 - T.B. 3/8 x 3' LG

3/8" F. WELD x 39'5 (INTERM.)

3/8" F. WELD x 4'10 (INTERM.)

17 - BARS 5/8 x 3/4 - mh

ONE - BAR 6x6 1/2 - mg

**ED4 - ONE REQ'D. SPAN 4.**

ONE - L mc 1/2

ONE - R mb 3/4

2 - R md

ONE - R mf

6 - BARS ha

2 - BARS hb

5 - FILLS mk

5 - FILLS mm

2 - BEV. FILLS 6x6 x 1/2 x 1/2 x 1/2 - ma

3 - BEV. FILLS 6x6 x 1/2 x 1/2 x 1/2 - ma

5 - T.B. 3/8 x 3' LG

3/8" F. WELD x 39'5 (INTERM.)

3/8" F. WELD x 4'10 (INTERM.)

17 - BARS 5/8 x 3/4 - mh

ONE - BAR 6x6 1/2 - mg

**ED5 - ONE REQ'D. SPAN 5.**

ONE - L mc 1/2

ONE - R mb 3/4

2 - R md

ONE - R mf

6 - BARS ha

2 - BARS hb

5 - FILLS mk

5 - FILLS mm

2 - BEV. FILLS 6x6 x 1/2 x 1/2 x 1/2 - ma

3 - BEV. FILLS 6x6 x 1/2 x 1/2 x 1/2 - ma

5 - T.B. 3/8 x 3' LG

3/8" F. WELD x 39'5 (INTERM.)

3/8" F. WELD x 4'10 (INTERM.)

17 - BARS 5/8 x 3/4 - mh

ONE - BAR 6x6 1/2 - mg

**ED6 - ONE REQ'D. SPAN 6.**

ONE - L mc 1/2

ONE - R mb 3/4

2 - R md

ONE - R mf

6 - BARS ha

2 - BARS hb

5 - FILLS mk

5 - FILLS mm

2 - BEV. FILLS 6x6 x 1/2 x 1/2 x 1/2 - ma

3 - BEV. FILLS 6x6 x 1/2 x 1/2 x 1/2 - ma

5 - T.B. 3/8 x 3' LG

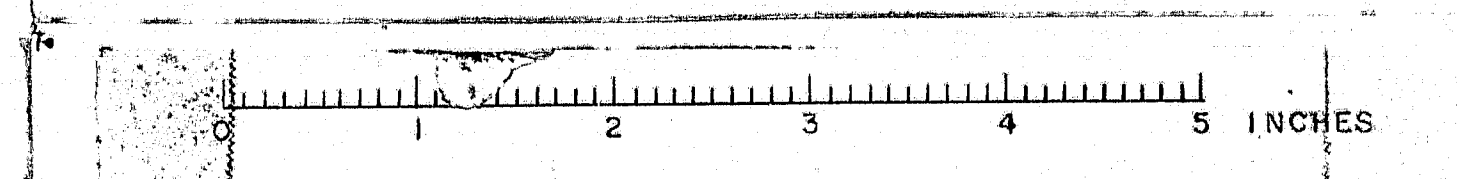
3/8" F. WELD x 39'5 (INTERM.)

3/8" F. WELD x 4'10 (INTERM.)

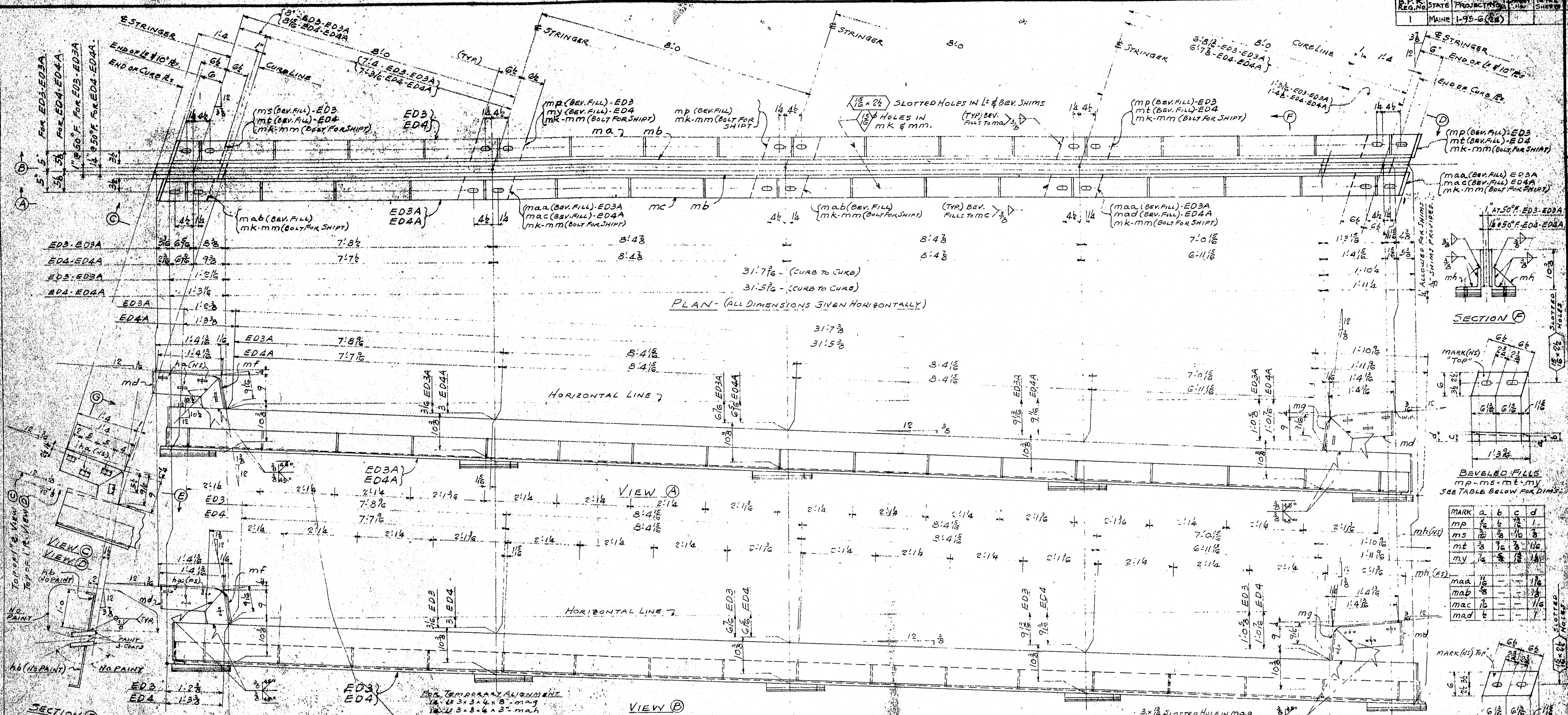
17 - BARS 5/8 x 3/4 - mh

ONE - BAR 6x6 1/2 - mg

TEMP.	CUSTOMER: CALLAHAN BROS. INC. MECHANIC FALLS, MA.
SUPPLY	STRUCTURE: INTERSTATE 95 BRIDGE OVER
LAYOUT	MAIN ST., WATERVILLE, MAINE
SHOP INSP.	BETHLEHEM STEEL COMPANY
PC. WK.	FABRICATED STEEL CONSTRUCTION
DR. SMITH	BETHLEHEM DRAFTING ROOM, DETH. WORKS
DR. SMITH	IN CHARGE: HOOVER, SEC. MADE BY: S.
WEIGHTS	CHECKED BY: S. 1/20/95 TRACED BY:
	REVISED: LAST ASSEM. MK.
SHOP NO.	CONTRACT CP4423







PLAN - (ALL DIMENSIONS GIVEN HORIZONTALLY)

SECTION A

BEVELED FILLS  
mp-ms-mt-my  
SEE TABLE BELOW FOR DIMS.

MARK	a	b	c	d
mp	1/2	1/2	1/2	1/2
ms	1/2	1/2	1/2	1/2
mt	1/2	1/2	1/2	1/2
my	1/2	1/2	1/2	1/2
mad	1/2	1/2	1/2	1/2
mab	1/2	1/2	1/2	1/2
mac	1/2	1/2	1/2	1/2
mad	1/2	1/2	1/2	1/2

MARK (1/2) TOP

BEVELED FILLS  
mar-mab-mac-mad  
SEE TABLE ABOVE FOR DIMS.

MARK	a	b	c	d
mar	1/2	1/2	1/2	1/2
mab	1/2	1/2	1/2	1/2
mac	1/2	1/2	1/2	1/2
mad	1/2	1/2	1/2	1/2

PAINT SECTION

**ED3 - ONE REQ'D. SPAN 4**

- ONE - LG 6x6x34-10 1/2 - ma (OR 35'0")
- ONE - LG 10x10x34-8 1/2 - mb (OR 34'9")
- 2 - BARS - md
- ONE - BAR - mf
- 6 - BARS - ha
- 2 - BARS - hb
- 5 - FILLS - mk
- 5 - FILLS - mm
- 4 - BEV. FILLS - 6x6x1x1 3/8 - mp
- ONE - BEV. FILL - 6x6x1x1 3/8 - ms
- 5 - T.B. 3/8x3' LG
- 2 - F. WELD x39'5 (INTERM.)
- 2 - F. WELD x4'10 (INTERM.)
- 17 - BARS - mh
- ONE - BAR - mg

**ED4 - ONE REQ'D. SPAN 5**

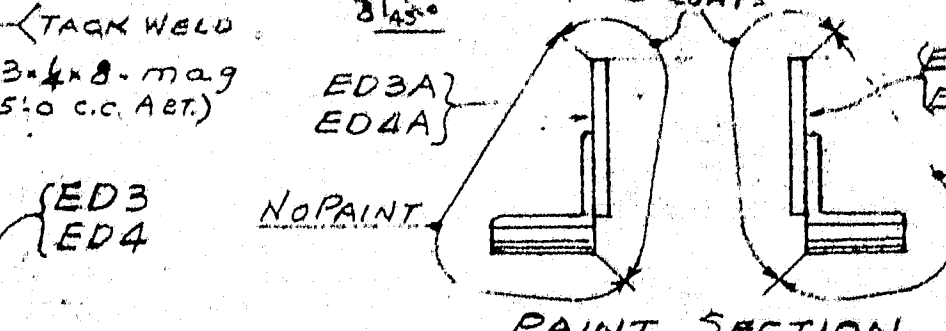
- ONE - LG 6x6x34-10 1/2 - ma (OR 35'0")
- ONE - LG 10x10x34-8 1/2 - mb (OR 34'9")
- 2 - BARS - md
- ONE - BAR - mf
- 6 - BARS - ha
- 2 - BARS - hb
- 5 - FILLS - mk
- 5 - FILLS - mm
- 4 - BEV. FILLS - 6x6x1x1 3/8 - mp
- ONE - BEV. FILL - 6x6x1x1 3/8 - ms
- 5 - T.B. 3/8x3' LG
- 2 - F. WELD x39'5 (INTERM.)
- 2 - F. WELD x4'10 (INTERM.)
- 17 - BARS - mh
- ONE - BAR - mg

**ED3A - ONE REQ'D. SPAN 5**

- ONE - LG 6x6x34-10 1/2 - ma (OR 35'0")
- ONE - LG 10x10x34-8 1/2 - mb (OR 34'9")
- 2 - BARS - md
- ONE - BAR - mf
- 6 - BARS - ha
- 2 - BARS - hb
- 5 - FILLS - mk
- 5 - FILLS - mm
- 4 - BEV. FILLS - 6x6x1x1 3/8 - mp
- ONE - BEV. FILL - 6x6x1x1 3/8 - ms
- 5 - T.B. 3/8x3' LG
- 2 - F. WELD x39'5 (INTERM.)
- 2 - F. WELD x4'10 (INTERM.)
- 17 - BARS - mh
- ONE - BAR - mg

**ED4A - ONE REQ'D. SPAN 6**

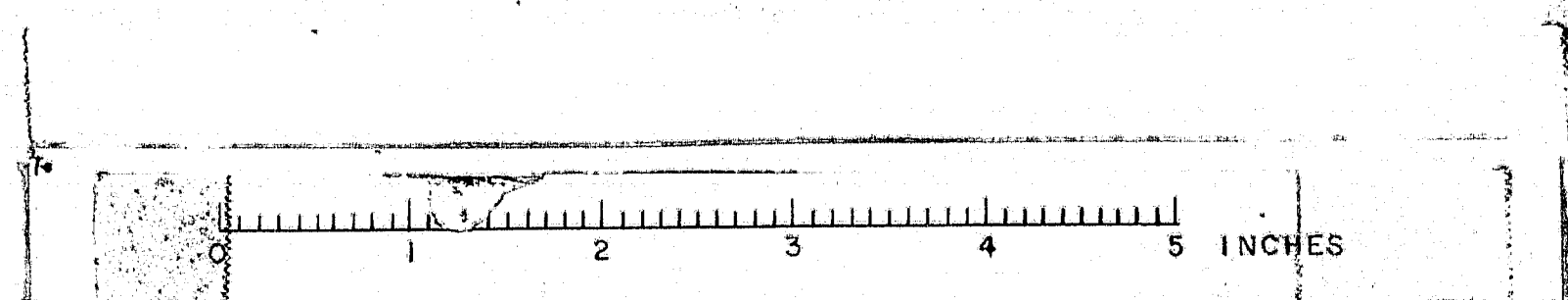
- ONE - LG 6x6x34-10 1/2 - ma (OR 35'0")
- ONE - LG 10x10x34-8 1/2 - mb (OR 34'9")
- 2 - BARS - md
- ONE - BAR - mf
- 6 - BARS - ha
- 2 - BARS - hb
- 5 - FILLS - mk
- 5 - FILLS - mm
- 4 - BEV. FILLS - 6x6x1x1 3/8 - mp
- ONE - BEV. FILL - 6x6x1x1 3/8 - ms
- 5 - T.B. 3/8x3' LG
- 2 - F. WELD x39'5 (INTERM.)
- 2 - F. WELD x4'10 (INTERM.)
- 17 - BARS - mh
- ONE - BAR - mg



SHOP NOTE:  
PROVIDE STIFF & BOLTED  
ALONG EXP. DAM (3' TO 4' CTRS.)  
TO HOLD DAM IN PROPER ALIGNMENT.

- RIVETS - NONE.
- OPEN HOLES - NOTED.
- HEAM - NONE.
- MILLING - NONE.
- PAINT: 3 - SHOP GATS - AS PER SPEC'S.
- WELDING: 3 - SHOP GATS - AS PER SPEC'S.
- WELDING: 3 - SHOP GATS - AS PER SPEC'S.
- WELDING: 3 - SHOP GATS - AS PER SPEC'S.

CUSTOMER: CALLAHAN BROS. INC. MECHANIC FALLS, ME  
STRUCTURE: INTERSTATE #95 BRIDGE OVER  
MAIN ST. WATERVILLE, MAINE  
**BETHLEHEM STEEL COMPANY**  
FABRICATED STEEL CONSTRUCTION  
BETHLEHEM DRAFTING ROOM - BETH - WORKS  
IN CHARGE: HOOVER, SEC. MADE BY: S.  
CHECKED BY: E.R. 1/25/63 TRACED BY:  
REVIEWED: LAST ASSEMB. MK.  
SHOP NO. CONTRACT CP 4433









FABRICATED STEEL CONSTRUCTION  
SUMMARY OF FIELD RIVETS AND BOLTS  
BETH DRAFTING ROOM BETH WORKS

Types A, B, C, D, G, H, E, F

Number of Rivets	Actual No.	Comments	Dim S	RIVETS	Dim S	BOLTS	Dim S	Notes	Weight		
1	2	3	4	5	6	7	8	9	10		
9	8	ED2 To B5, B7, B8, B9 ED4 To B21, B22, B23, B25 ED1 To B1, B5 ED1A To B2, B9, B10 ED2 To B6, B7, B8, B9, B10 ED3 To B15, B20 ED3A To B21, B22, B23, B24, B25 ED4 To B21, B22, B23, B24, B25 ED1 To B1, B2, B3, B4, B5 ED1A To B6, B7, B8, B9, B10 ED2 To B10 ED2A To B11, B12, B15 ED3 To B16, B17, B18, B19, B20 ED3A To B21, B22, B23, B24, B25 ED4 To B24 ED4A To B26, B27, B29, B30 ED1 To B2, B5, B4 ED2A To B11, B12, B13, B14, B15 ED3 To B17, B18, B19 ED4A To B26, B27, B28, B29, B30 ED2A To B14 ED4A To B28	2	Hex 2 1/2 x 4 Std.	9	Hex 3/8 x 5 Std.	24	18	3	801-4817	
24	22										
33	31										
18	17										
3	2										
87	80										

No FURN.  
ACTUAL NO. 7. A.B.T 8%

ASR SF HEX HEAD  
HIGH STRENGTH STRUCTURAL  
BOLTS, CARBON STEEL 11.5AT  
TREATED TO ASTM SPEC. A325  
WITH ONE ASH SF HEX NUT.

S.P.R. REG. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-G (24)		

A.S.T.M. A-325 HIGH STRENGTH BOLTS (NUTS ON BOLTS)

Summary of Sheet Nos. R

ALL BOLTS OVER 1 1/2" AND 7/8" IN LENGTH TO BE KEPT AS RIVETS ON FORM NO. 1004.  
FOR BOLTS ON RIVETS OF SPECIAL DESIGN, DRAW SKETCH ON THIS SHEET.

Shop Sect. Filter Temp. Shop Smith Shop Leader Scale Punch Dept. Erection O. Insp. Shop Sect. Filter Temp. Shop Smith Shop Leader Scale Punch Dept. Erection O. Insp. Shop Sect. Filter Temp. Shop Smith Shop Leader Scale Punch Dept. Erection O. Insp.

IN CHARGE OF: Hoover SEC. Made by: B.T. Date: Shop No.: CONTRACT: CP44-33

Customer: CALLAHAN BROS. INC. MECHANIC FALLS, MAINE Structure: INTERSTATE #95 BRIDGE OVER MAIN ST. WATERVILLE, MAINE

FABRICATED STEEL CONSTRUCTION  
SUMMARY OF FIELD RIVETS AND BOLTS  
BETH DRAFTING ROOM BETH WORKS

Types A, B, C, D, G, H, E, F

Number of Rivets	Actual No.	Comments	Dim S	RIVETS	Dim S	BOLTS	Dim S	Notes	Weight	
1	2	3	4	5	6	7	8	9	10	
1	87	80								
2	87	80								
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										

S.P.R. REG. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-G (24)		

Material: A.S.T.M. - A325

Specifications: A.S.T.M. - A325

Machining: NONE

Paint: NONE

Shipment: SHIP WITH MAIN STEEL

Inspection: TO BE USED WITH EXP. DAMS

Remarks: TO BE USED WITH EXP. DAMS

Shop Sect. Filter Temp. Shop Smith Shop Leader Scale Punch Dept. Erection O. Insp. Shop Sect. Filter Temp. Shop Smith Shop Leader Scale Punch Dept. Erection O. Insp. Shop Sect. Filter Temp. Shop Smith Shop Leader Scale Punch Dept. Erection O. Insp.

IN CHARGE OF: Hoover SEC. Made by: B.T. Date: Shop No.: CONTRACT: CP44-33

Customer: CALLAHAN BROS. INC. MECHANIC FALLS, MAINE Structure: INTERSTATE #95 BRIDGE OVER MAIN ST. WATERVILLE, MAINE

FABRICATED STEEL CONSTRUCTION  
SUMMARY OF FIELD RIVETS AND BOLTS  
BETH DRAFTING ROOM BETH WORKS

Types A, B, C, D, G, H, E, F

Number of Rivets	Actual No.	Comments	Dim S	RIVETS	Dim S	BOLTS	Dim S	Notes	Weight	
1	2	3	4	5	6	7	8	9	10	
1	40									
2	80									
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										

S.P.R. REG. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-G (24)		

Material: STANDARD BEVEL WASHERS

Specifications: STANDARD BEVEL WASHERS

Machining: ONE SHOP COAT

Paint: ONE SHOP COAT

Shipment: SHIP WITH MAIN STEEL

Inspection: TO BE USED WITH ANCHOR BOLTS

Remarks: TO BE USED WITH ANCHOR BOLTS

Shop Sect. Filter Temp. Shop Smith Shop Leader Scale Punch Dept. Erection O. Insp. Shop Sect. Filter Temp. Shop Smith Shop Leader Scale Punch Dept. Erection O. Insp. Shop Sect. Filter Temp. Shop Smith Shop Leader Scale Punch Dept. Erection O. Insp.

IN CHARGE OF: Hoover SEC. Made by: B.T. Date: Shop No.: CONTRACT: CP44-33

Customer: CALLAHAN BROS. INC. MECHANIC FALLS, MAINE Structure: INTERSTATE #95 BRIDGE OVER MAIN ST. WATERVILLE, MAINE

FABRICATED STEEL CONSTRUCTION  
SUMMARY OF FIELD RIVETS AND BOLTS  
BETH DRAFTING ROOM BETH WORKS

Types A, B, C, D, G, H, E, F

Number of Rivets	Actual No.	Comments	Dim S	RIVETS	Dim S	BOLTS	Dim S	Notes	Weight	
1	2	3	4	5	6	7	8	9	10	
1	40									
2	80									
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										

S.P.R. REG. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-G (24)		

Material: STANDARD BEVEL WASHERS

Specifications: STANDARD BEVEL WASHERS

Machining: ONE SHOP COAT

Paint: ONE SHOP COAT

Shipment: SHIP WITH MAIN STEEL

Inspection: TO BE USED WITH ANCHOR BOLTS

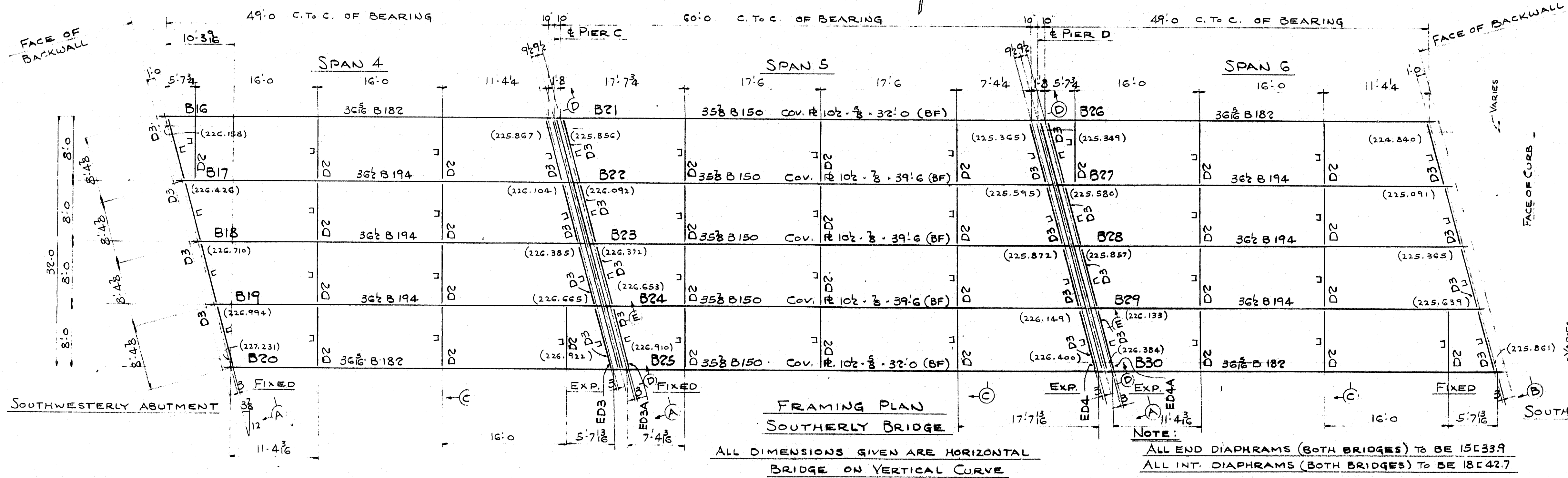
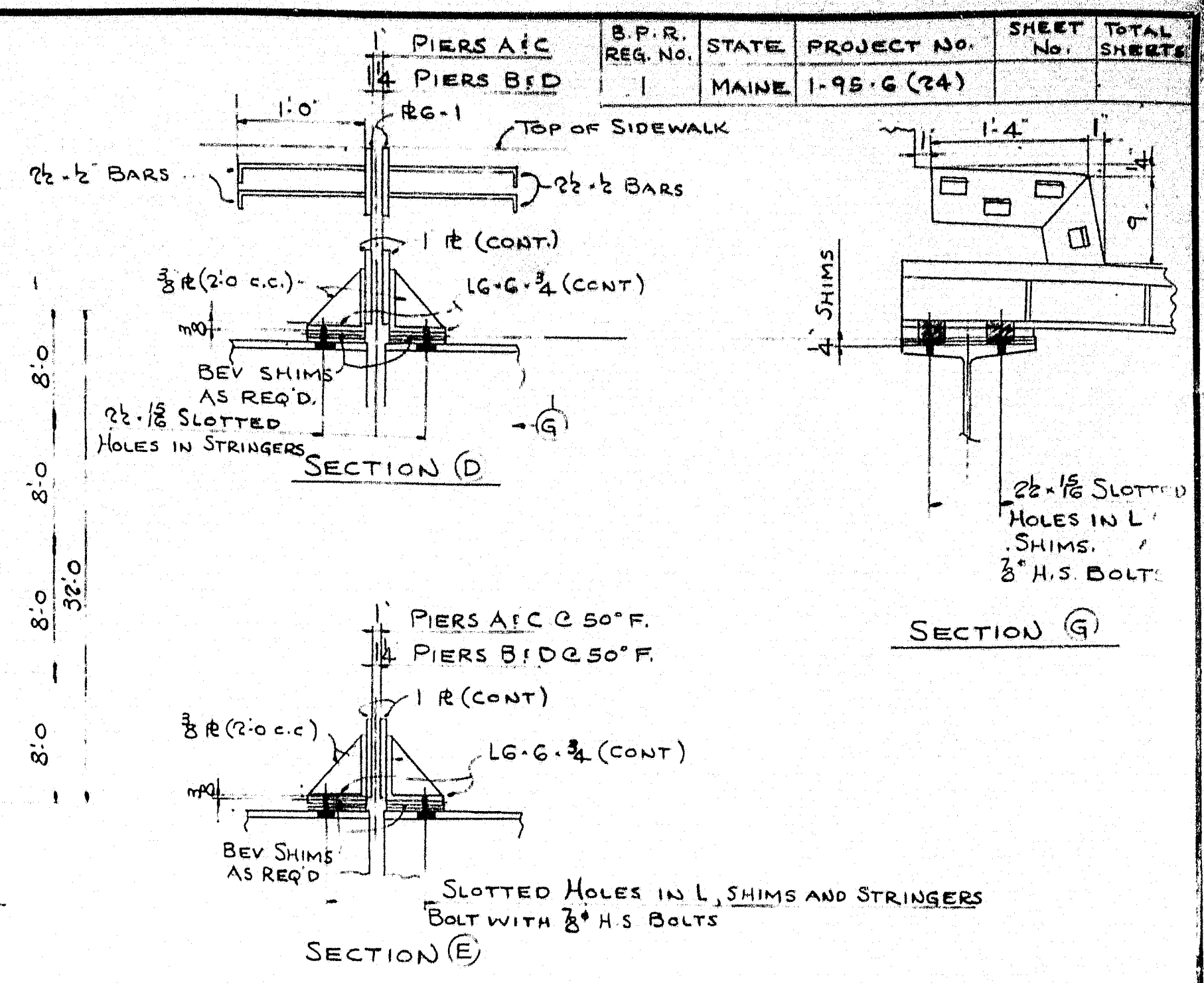
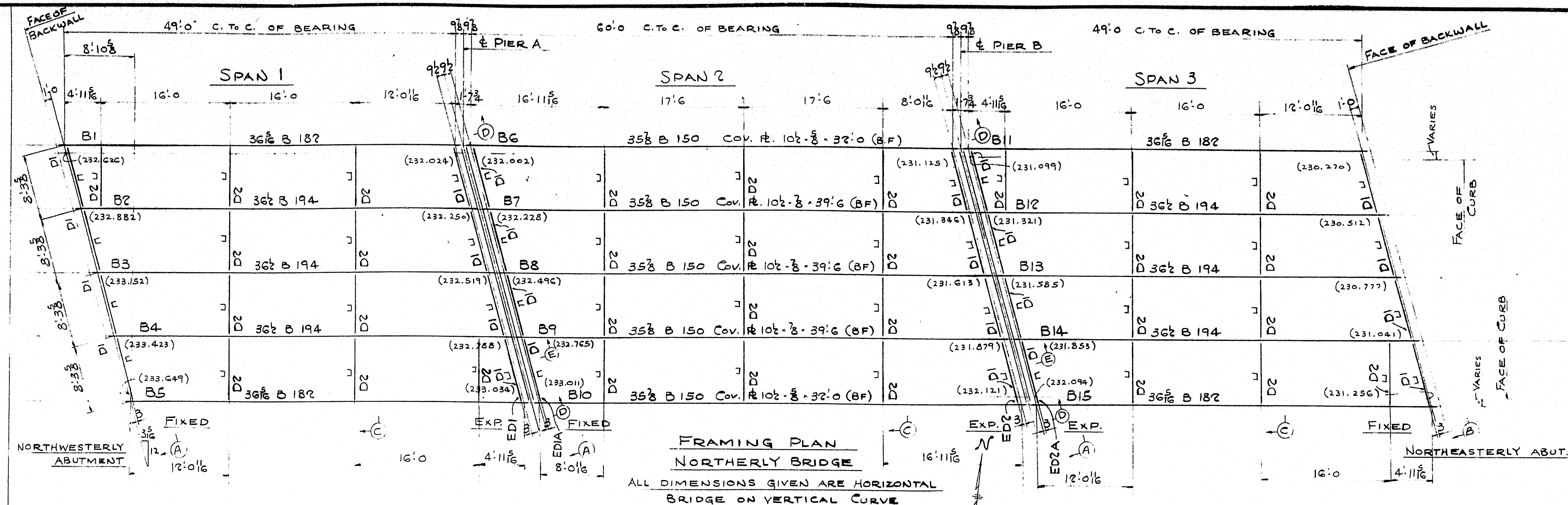
Remarks: TO BE USED WITH ANCHOR BOLTS

Shop Sect. Filter Temp. Shop Smith Shop Leader Scale Punch Dept. Erection O. Insp. Shop Sect. Filter Temp. Shop Smith Shop Leader Scale Punch Dept. Erection O. Insp. Shop Sect. Filter Temp. Shop Smith Shop Leader Scale Punch Dept. Erection O. Insp.

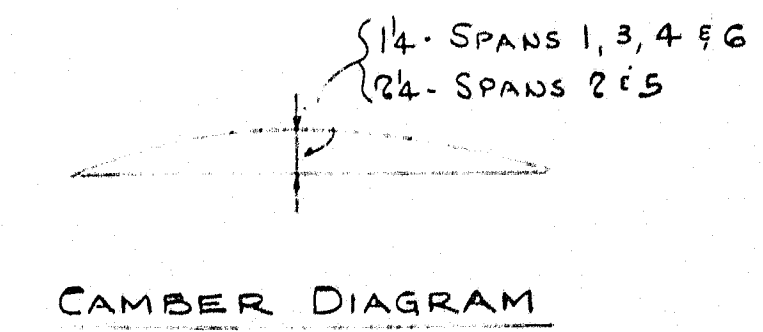
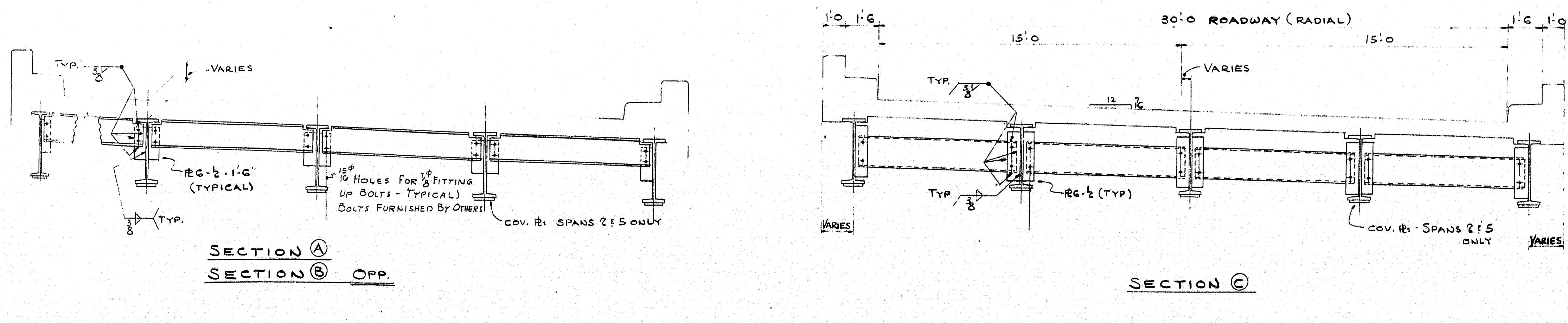
IN CHARGE OF: Hoover SEC. Made by: B.T. Date: Shop No.: CONTRACT: CP44-33

Customer: CALLAHAN BROS. INC. MECHANIC FALLS, MAINE Structure: INTERSTATE #95 BRIDGE OVER MAIN ST. WATERVILLE, MAINE



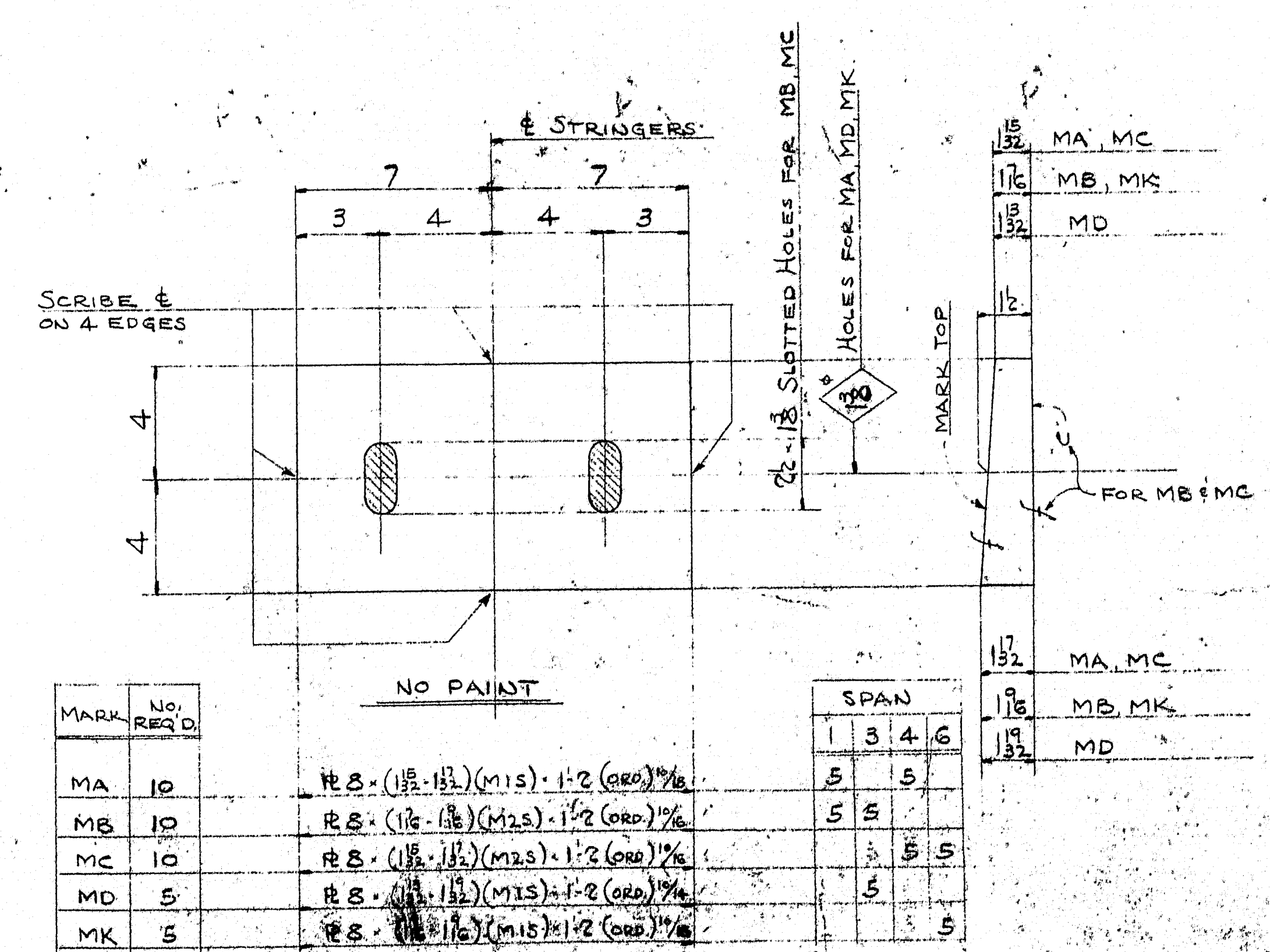
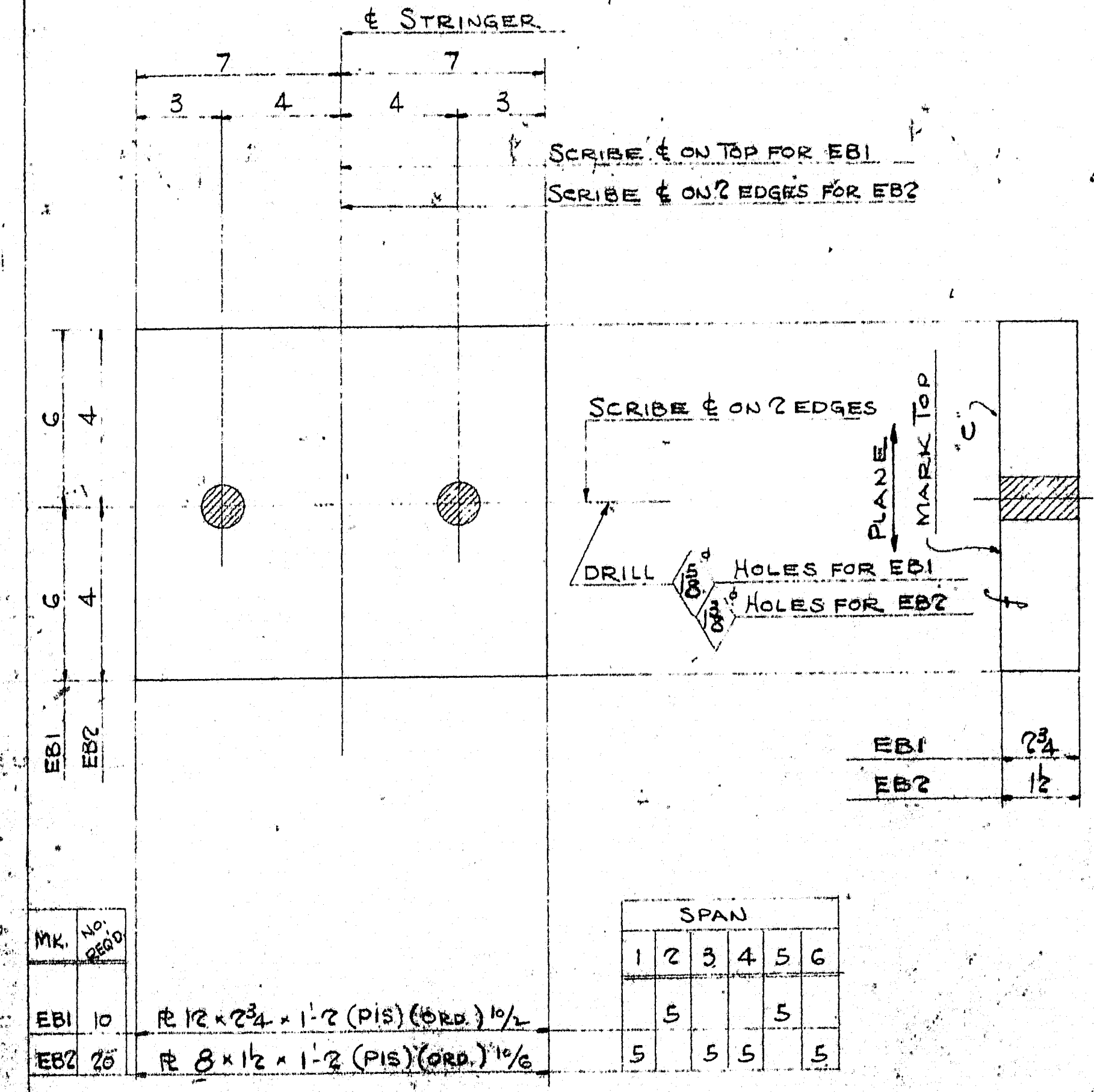
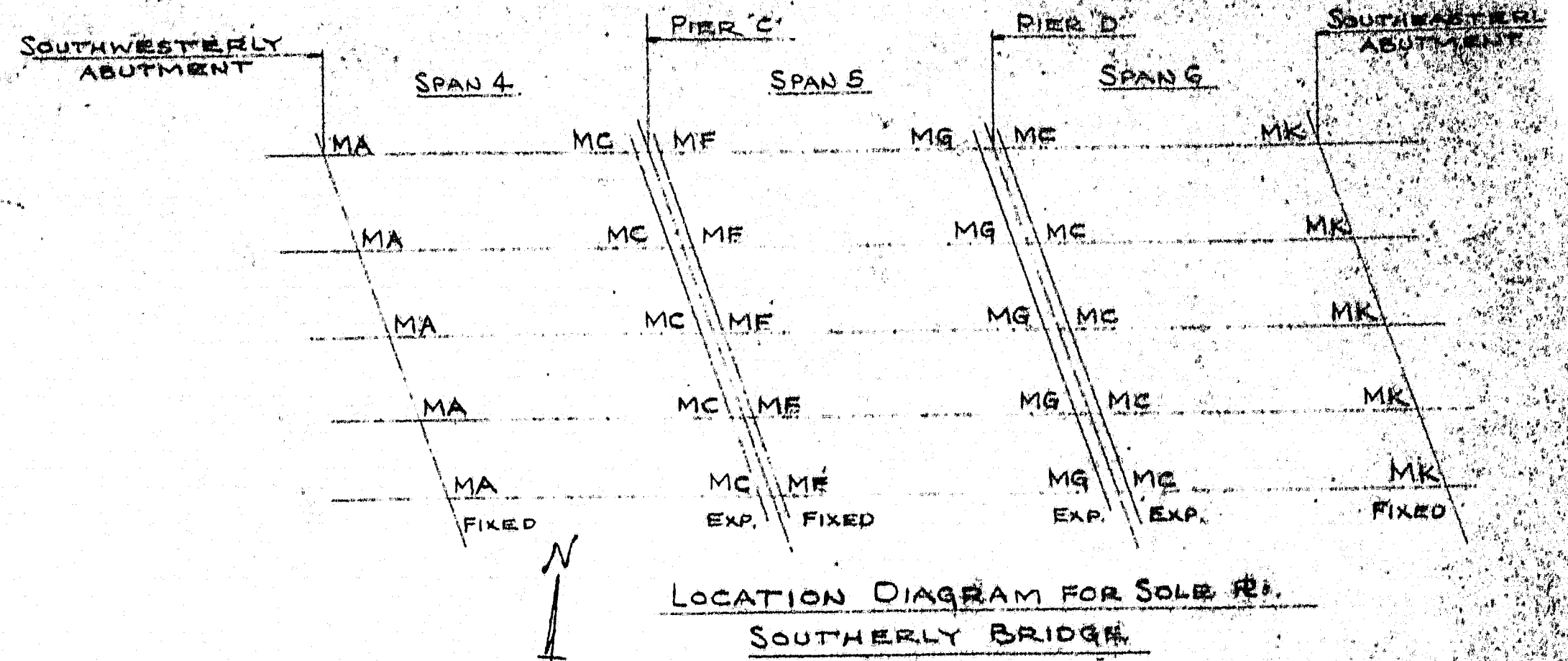
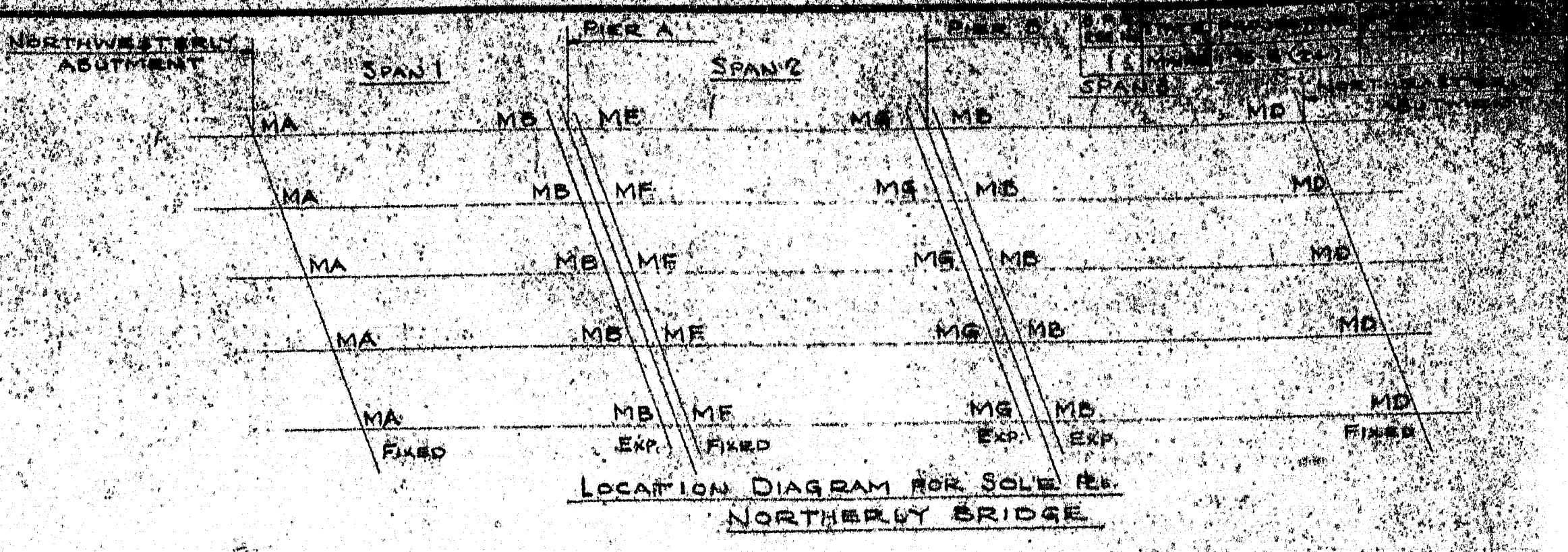
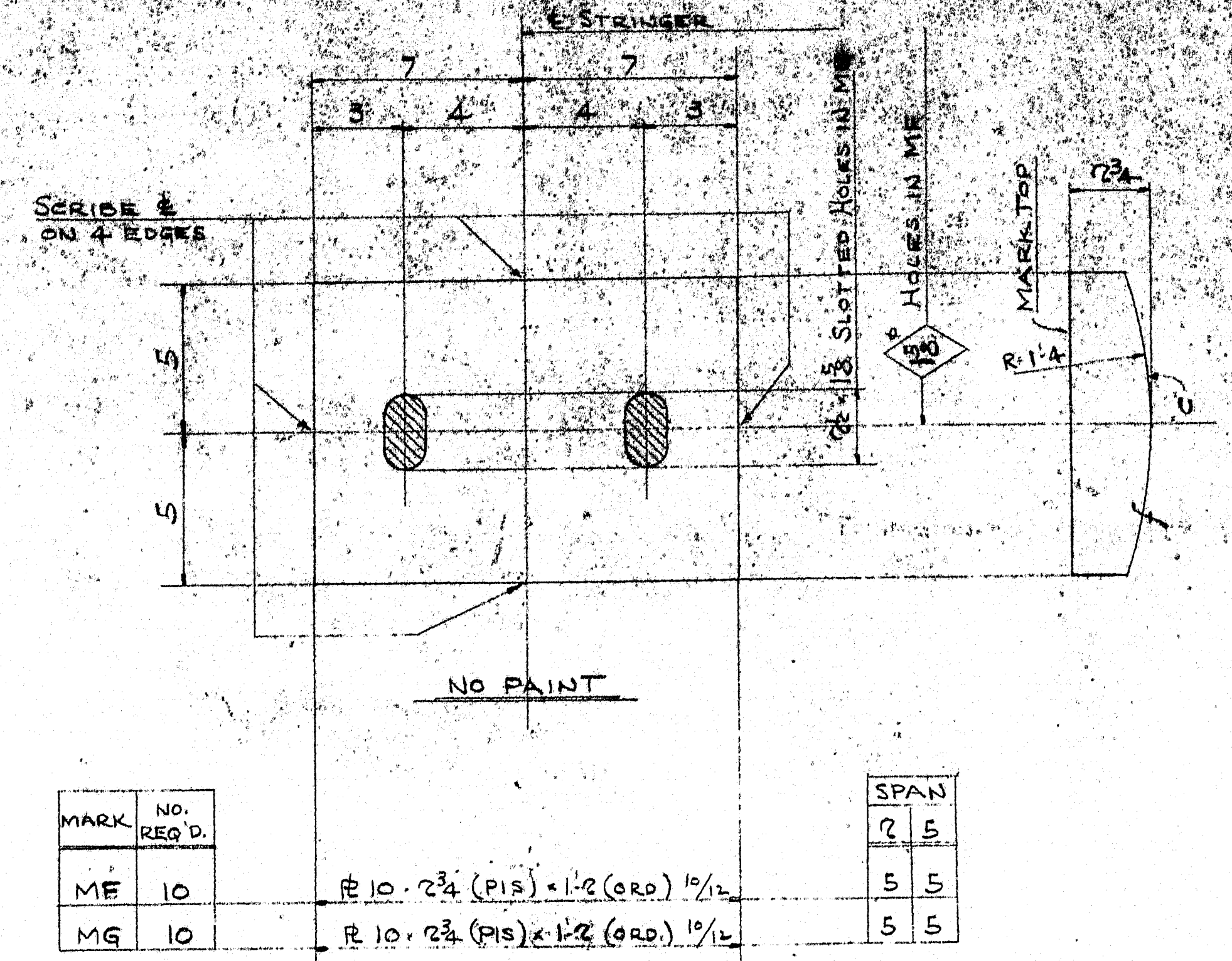
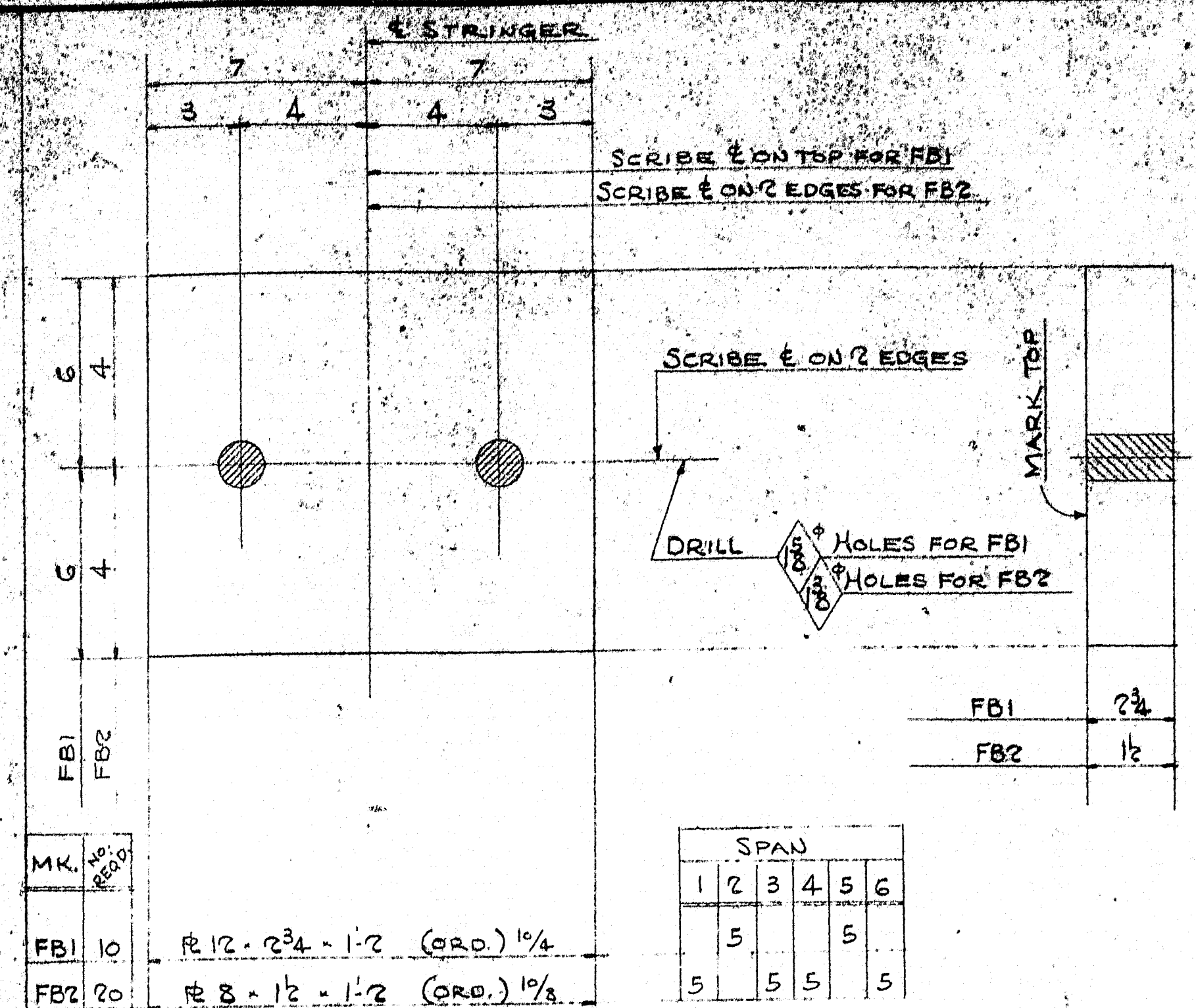


- LIST OF DRAWINGS
- | SHEET NO. | DESCRIPTION      |
|-----------|------------------|
| E1        | ANCHOR BOLT PLAN |
| E2        | FRAMING PLAN     |
| 1         | BEARING DETAILS  |
| 2         | STRINGER DETAILS |
| 3         |                  |
| 4         |                  |
| 5         |                  |
| 6         |                  |
| 7         | STRINGER DETAILS |
| 8         | DIAPHRAM DETAILS |
| 9         | EXP. DAM DETAILS |
| 10        | EXP. DAM DETAILS |
- ERECTOR NOTE:
- ELEVATIONS GIVEN THUS ( ) ON PLAN AT PIERS, ARE FIN. GRADE. ELEVATIONS ALONG & OF BEARINGS AT & STRINGERS & FACE OF CURB.
- GENERAL NOTES:
- PAINT - ONE SHOP COAT AS PER SPECS. MAT'L SPECS. - MAINE STATE HWY. COMM.
- ALL WELDING SHALL CONFORM TO THE CURRENT SPECS. FOR WELDED HWY. & RAILWAY BRIDGES OF THE AMERICAN WELDING SOCIETY.
- MEMBERS SHALL BE ERECTED WITH THEIR MARKS IN THE SAME RELATIVE POSITION AS SHOWN ON THIS PLAN.
- ALL HOLES, CUTS, BLOCKS, ETC. FOR OTHER TRADES MUST BE SHOWN ON THIS PLAN AT TIME OF APPROVAL, OTHERWISE WORK MUST BE DONE IN THE FIELD AT NO EXPENSE TO BETHLEHEM STEEL CO.
- FOR ELEVATIONS AND DETAILS NOT SHOWN, REFER TO DESIGN DWGS.



TEMP.	CUSTOMER: CALAHAN BROS. INC. MECHANIC FALLS, M.
SUPPLY	STRUCTURE: INTERSTATE #95 BRIDGE OVER
LAYOUT	MAIN ST. WATERVILLE, MAINE
FITTER	BETHLEHEM STEEL COMPANY
SHOP INSP.	FABRICATED STEEL CONSTRUCTION
PC. WELDER	BETHLEHEM DRAFTING ROOM, BETH. WORKS
SMITH	IN CHARGE: HOOVER, SEC. MADE BY: B.T.
ENG.	CHECKED BY: S. 12.9.58 TRACED BY:
O. INSP.	REVISED: LAST ASSEM. MK.
WEIGHTS	
SHOP NO.	CONTRACT CP4433





SHOP NOTE:  
PLATES TO BE PRESS STRAIGHTENED IF NECESSARY TO INSURE FLATNESS.

GENERAL NOTES:  
SOLE PLATES TO REMAIN UNPAINTED UNTIL FINAL ASSEMBLY TO STRINGERS.  
PLATES FB1, FB2, EB1 AND EB2 MAY BE SHIPPED DIRECT TO SITE.  
SURFACES MARKED 'C' TO BE GIVEN ONE COAT OF A MIXTURE OF WHITE LEAD & TALLOW.  
MATERIAL SPEC. - A.S.T.M. A7

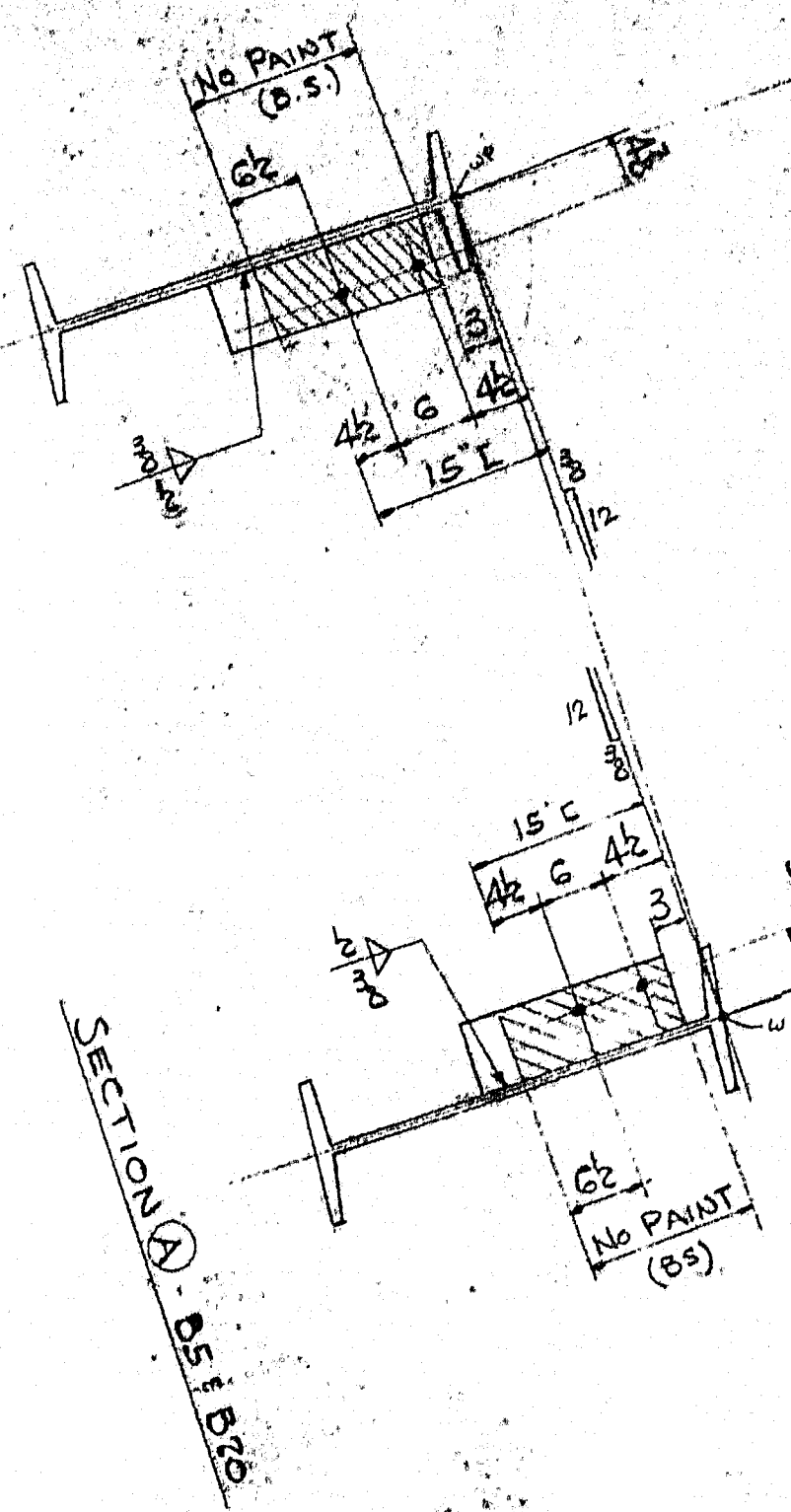
BEARING DETAILS

RIVETS  
OPEN HOLES AS NOTED  
REAM  
MILLING  
PAINT ONE COAT - UNLESS NOTED  
WELDING  
SHOP CONTACT SURFACES

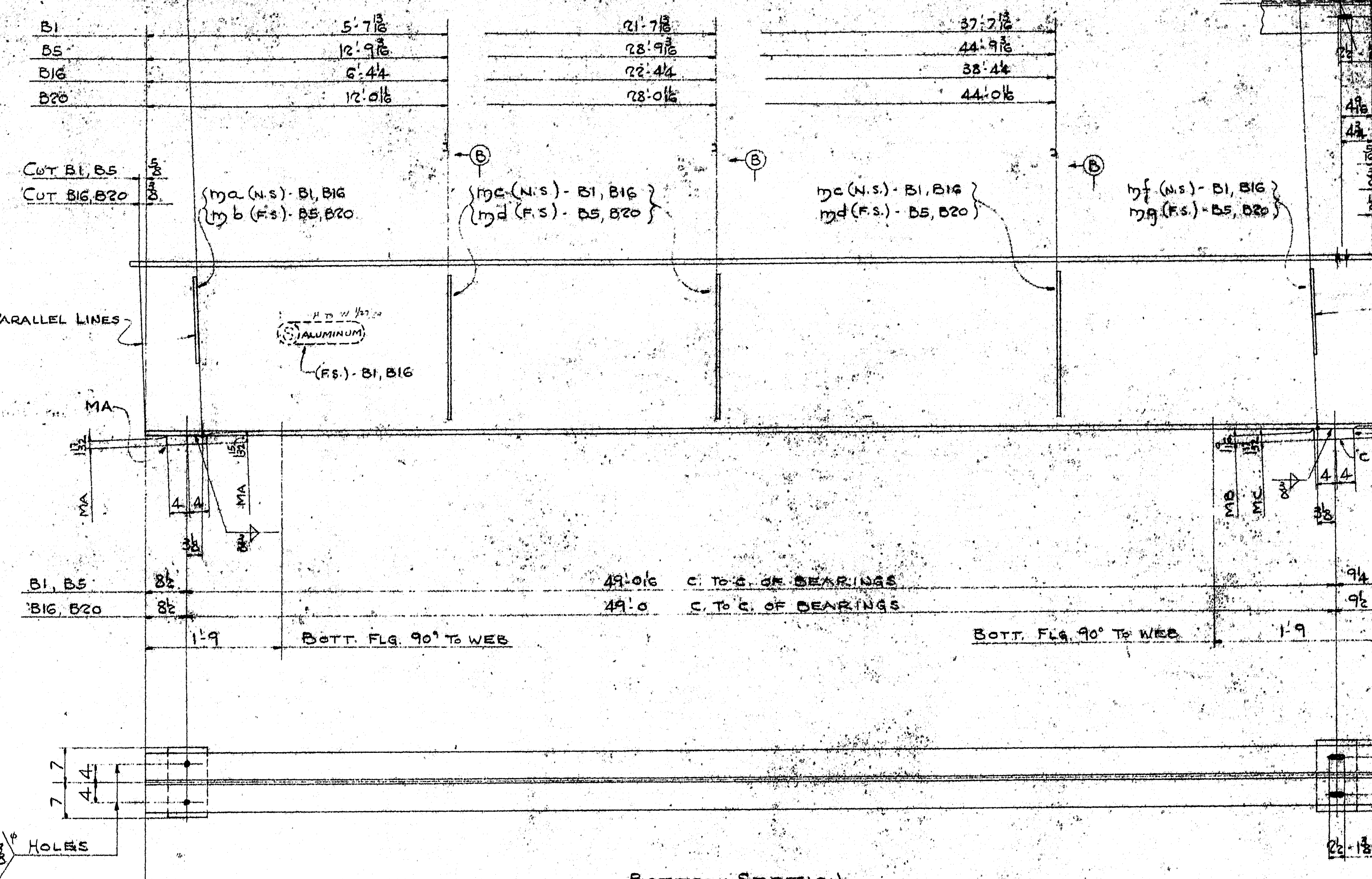
TEMP.	CUSTOMER: CALUMET BOSSING MACHINERY CO.
DATE	STRUCTURE: INTERSTATE 90 BRIDGE OVER
LOCATION	MAIN ST. WATERVILLE, MASS.
CONTRACT NO.	BETHLEHEM STEEL COMPANY
BY	FABRICATED STEEL CONSTRUCTION
CHECKED BY	BETHLEHEM DRAFTING ROOM
DATE	IN CHARGE: COVER SEC. MADE BY: SET
REVISION	CHECKED BY: 5/20/68 TRACED BY: [blank]
	REVISED: [blank] LAST ASSEMBLY: [blank]
SHOP NO.	CONTRACT CP4433



SECTION A - B1, B5



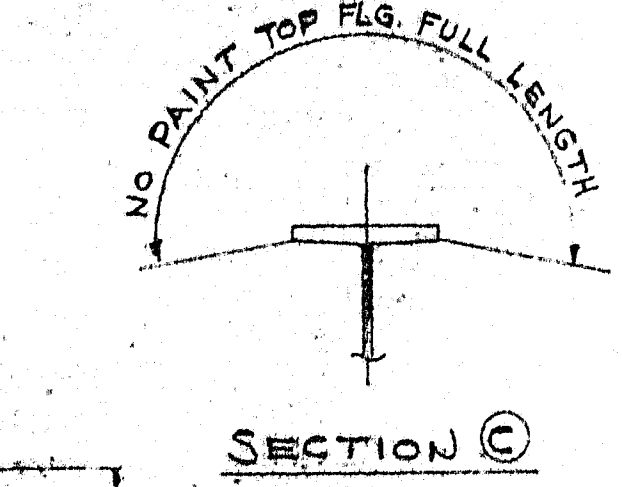
MARK	NO. OF RIBS	SPAN
B1	ONE	1
B5	ONE	1
B16	ONE	4
B20	ONE	4



BOTTOM SECTION

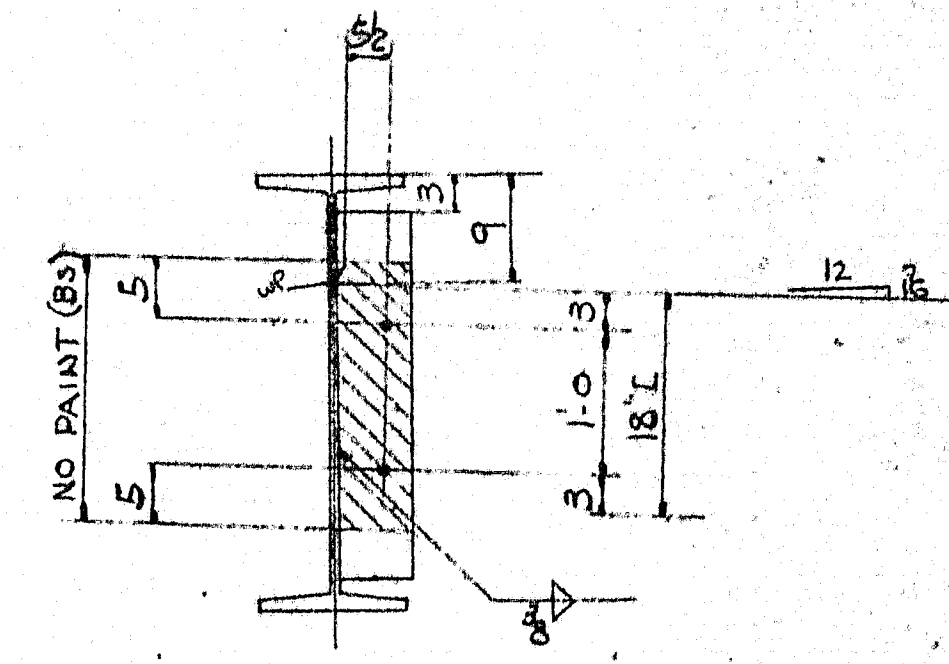
4. R. 8 - (1 1/2 - 1 1/2) (M16) - 1-2 MA - 21" (ORD. DET. ON SHEET #1)  
 2. R. 8 - (1 1/2 - 1 1/2) (M25) - 1-2 MB - B1, B5 (DO NOT DUPLICATE)  
 2. R. 8 - (1 1/2 - 1 1/2) (M25) - 1-2 MC - B16, B20

2. R. 8 - 2 - 1-2 MA - B1, B5 (ORD. 18 1/2 - 16 1/2) 3/4  
 2. R. 8 - 2 - 1-2 MB - B1, B5 (ORD. 31 - 29 1/2) 3/4  
 2. R. 8 - 2 - 1-2 MC - B16, B20 (ORD. 30 - 28 1/2) 3/4  
 2. R. 8 - 2 - 1-2 MB - B1, B5 (ORD. 12 1/2 - 10 1/2) 3/4  
 2. R. 8 - 2 - 1-2 MC - B16, B20 (ORD. 12 1/2 - 10 1/2) 3/4  
 2. F. WELD - 1/2" (30 R. 1/2)  
 2. F. WELD - 3/8" (20 R. 1/2)



SECTION C

SECTION B - B1, B16



SECTION B - B5, B20

CAMBER DIAGRAM

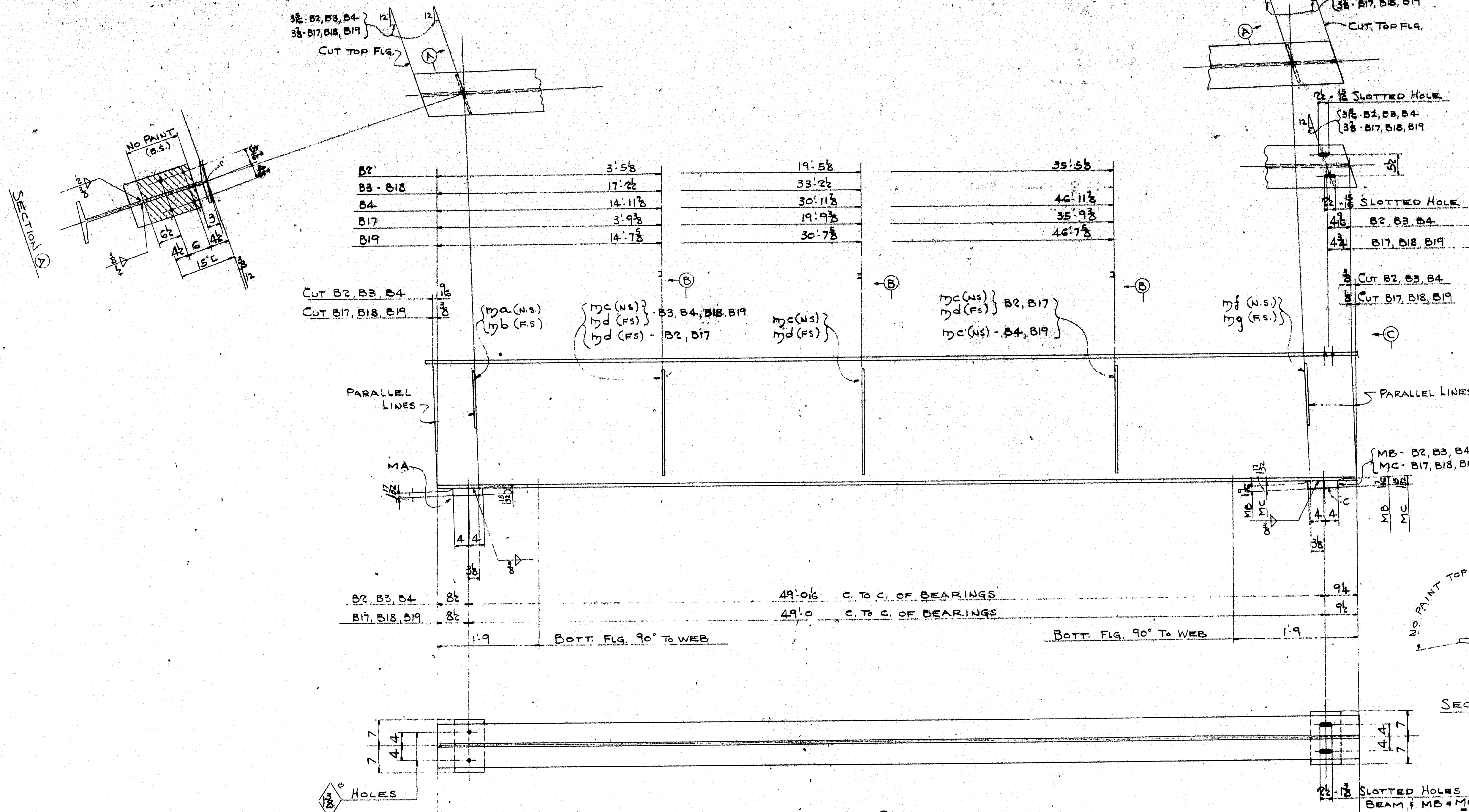
LONGITUDINAL DIMENSIONS ARE MEASURED PARALLEL TO CHORD LINE.

SURFACES MARKED 'C' TO BE GIVEN ONE COAT OF A HOT MIXTURE OF WHITE LEAD AND TALLOW.

STRINGER DETAILS

TEMP.	CUSTOMER: COLUMBIAN BRIDGE MECHANICAL
SUPT.	STRUCTURE: INTERSTATE #95 BRIDGE PIER
DRAWN	MAIN ST. WATERVILLE, MAINE
CHECKED	BETHLEHEM STEEL COMPANY
DATE	FABRICATED STEEL CONSTRUCTION
BY	BETHLEHEM DRAFTING ROOM
FOR	WORKS
REVISIONS	IN CHARGE: HUGHES, J. E. MADE BY: J. T.
	CHECKED BY: J. T. LEE LAST BY: J. T. LEE
	REVIEWED: LAST APPROVED: M. R.
SHOP NO.	CONTRACT: CP443





MARK	NO. REQ'D.	SPAN
B2	ONE	1
B3	ONE	1
B4	ONE	1
B17	ONE	4
B18	ONE	4
B19	ONE	4

6-#8 x (13 1/2 - 13 1/2) (M15) - 1-2 MA  
 8-#8 x (16 - 16) (M25) - 1-2 MB-B2, B3, B4  
 3-#8 x (13 1/2 - 13 1/2) (M25) - 1-2 MC-B17, B18, B19

(ORD. F. DETAILED ON SHEET #1)  
 DO NOT DUPLICATE

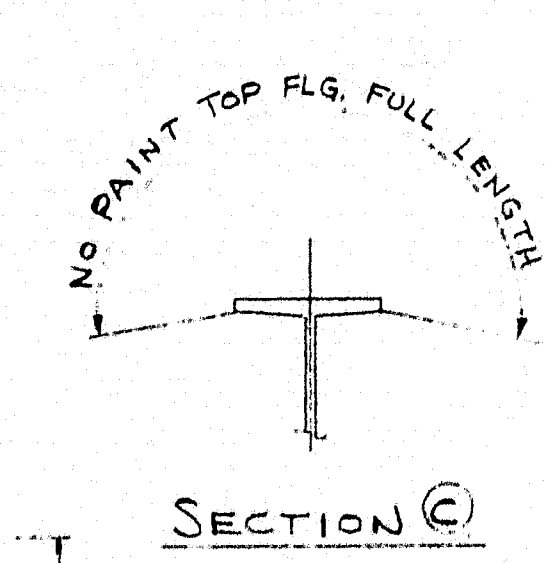
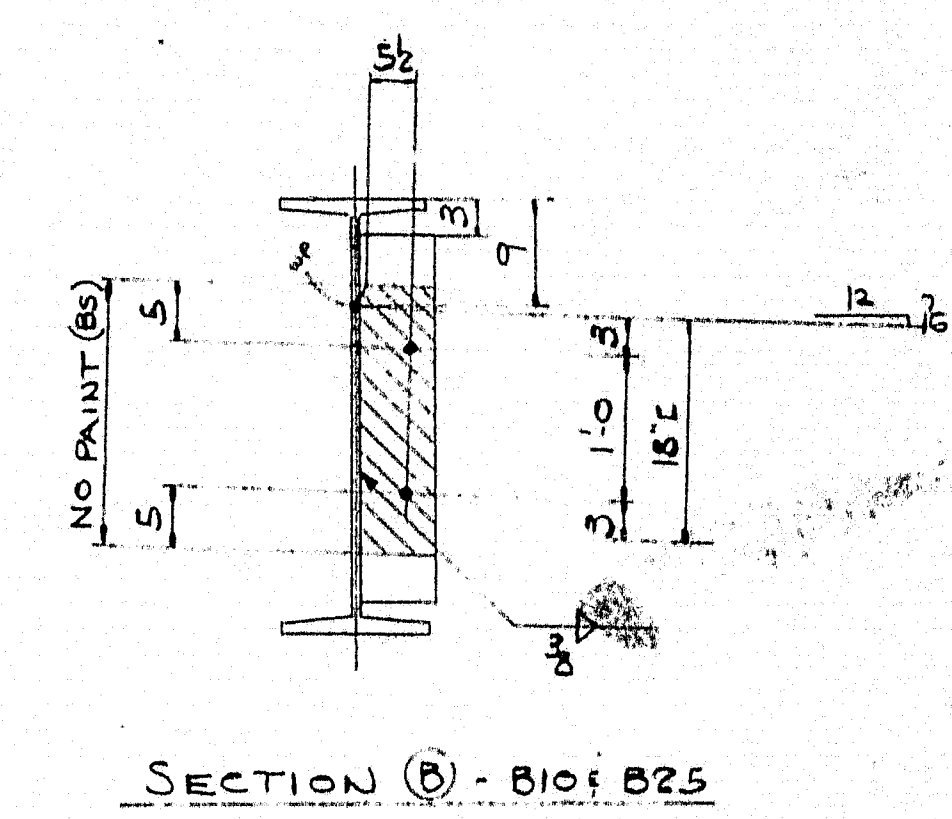
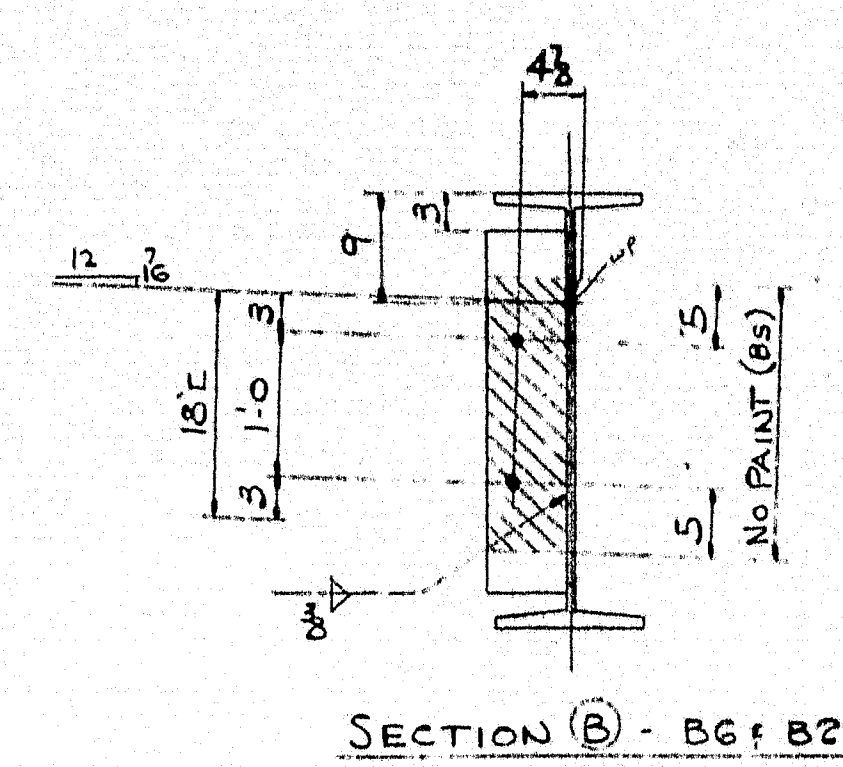
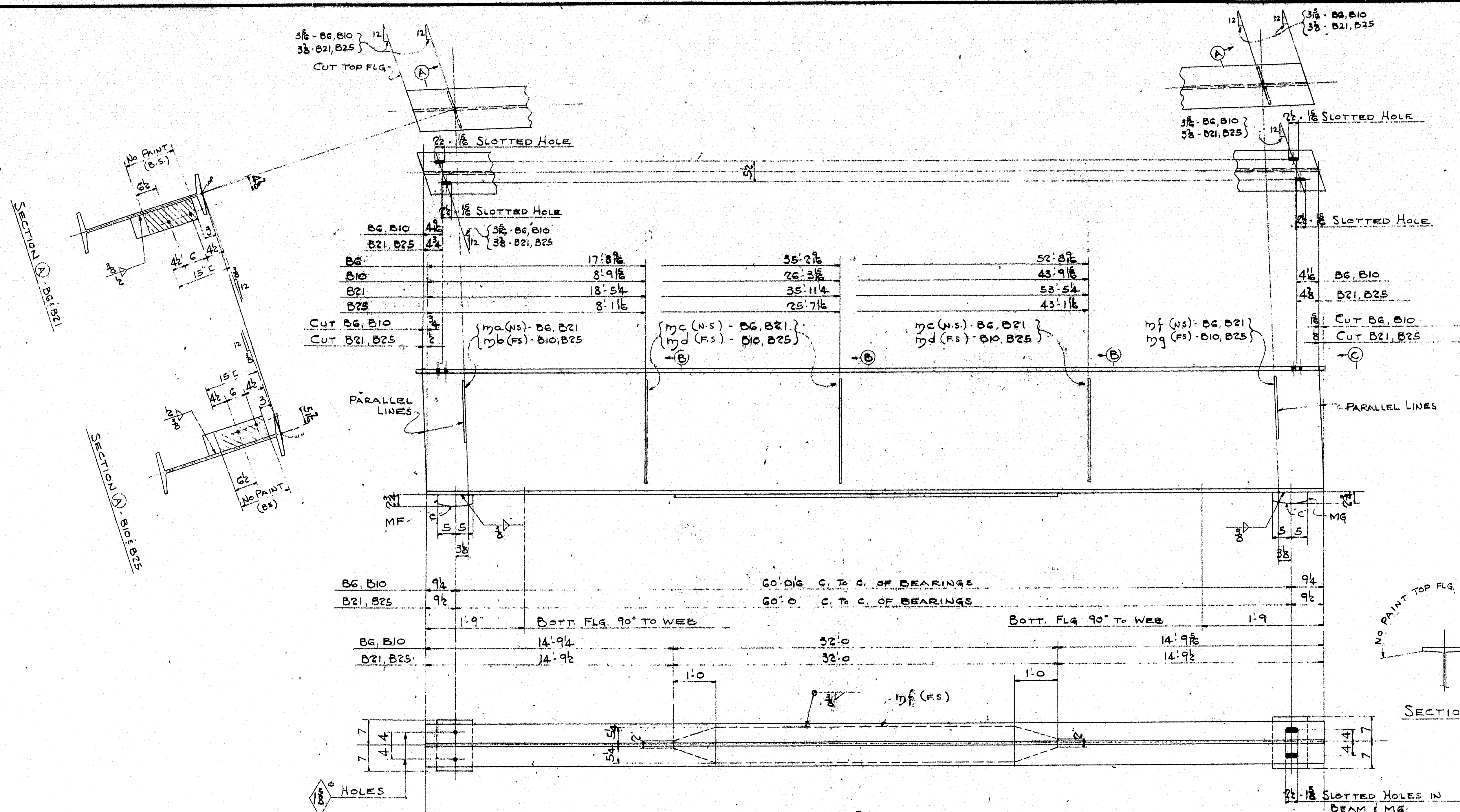
6-#8 x 2 - 1-6 MA { (ORD. 18 - 2 - 16'6") 5/8  
 6-#8 x 2 - 1-6 MB { 8-B4-B19  
 14-#8 x 2 - 2-6 MC { 2-OTHERS } (ORD. 30 - 2 - 16'6") 5/8  
 14-#8 x 2 - 2-6 MD { 3-B2-B17  
 2-OTHERS }  
 6-#8 x 2 - 1-6 MF { (ORD. 18 - 2 - 16'6") 5/8  
 6-#8 x 2 - 1-6 MG {  
 2 F. WELD - 36'0 (6'0 EA. PC.)  
 2 F. WELD - 192'0 { 28'8 - B3, B18  
 33'8 - OTHERS }

RIVETS  
 OPEN HOLES 1/8" UNLESS NOTED  
 REAM  
 MILLING  
 PAINT ONE SHOP COAT AS PER  
 SPECS UNLESS NOTED  
 WELDING AS PER SPECS.  
 SHOP CONTACT SURFACES NO PAINT

#### STRINGER DETAILS

TEMP.	CUSTOMER: CALLAHAN BROS. INC., MECHANIC FALLS, MAINE
SUPPLY	STRUCTURE: INTERSTATE #95 BRIDGE OVER
LAYOUT	MAIN ST. WATERVILLE, MAINE
FITTER	
SHOP DESK	
P.C. WEL.	
E. SMITH	
MCH.	
DRYING	
O. IMP.	
WEIGHTS	
BETHLEHEM STEEL COMPANY	
FABRICATED STEEL CONSTRUCTION	
BETHLEHEM DRAFTING ROOM, BETH. WORKS	
IN CHARGE: HOOVER, SEC.	MADE BY: B.T.
CHECKED BY: S. 12.22.38	TRACED BY:
REVISED:	LAST ASSEMB. MK.
SHOP NO.	CONTRACT CP4433
	SHEET 3





MARK	NO.	REQ'D.	SPAN
BG	ONE	2	
B10	ONE	2	
B21	ONE	5	
B25	ONE	5	

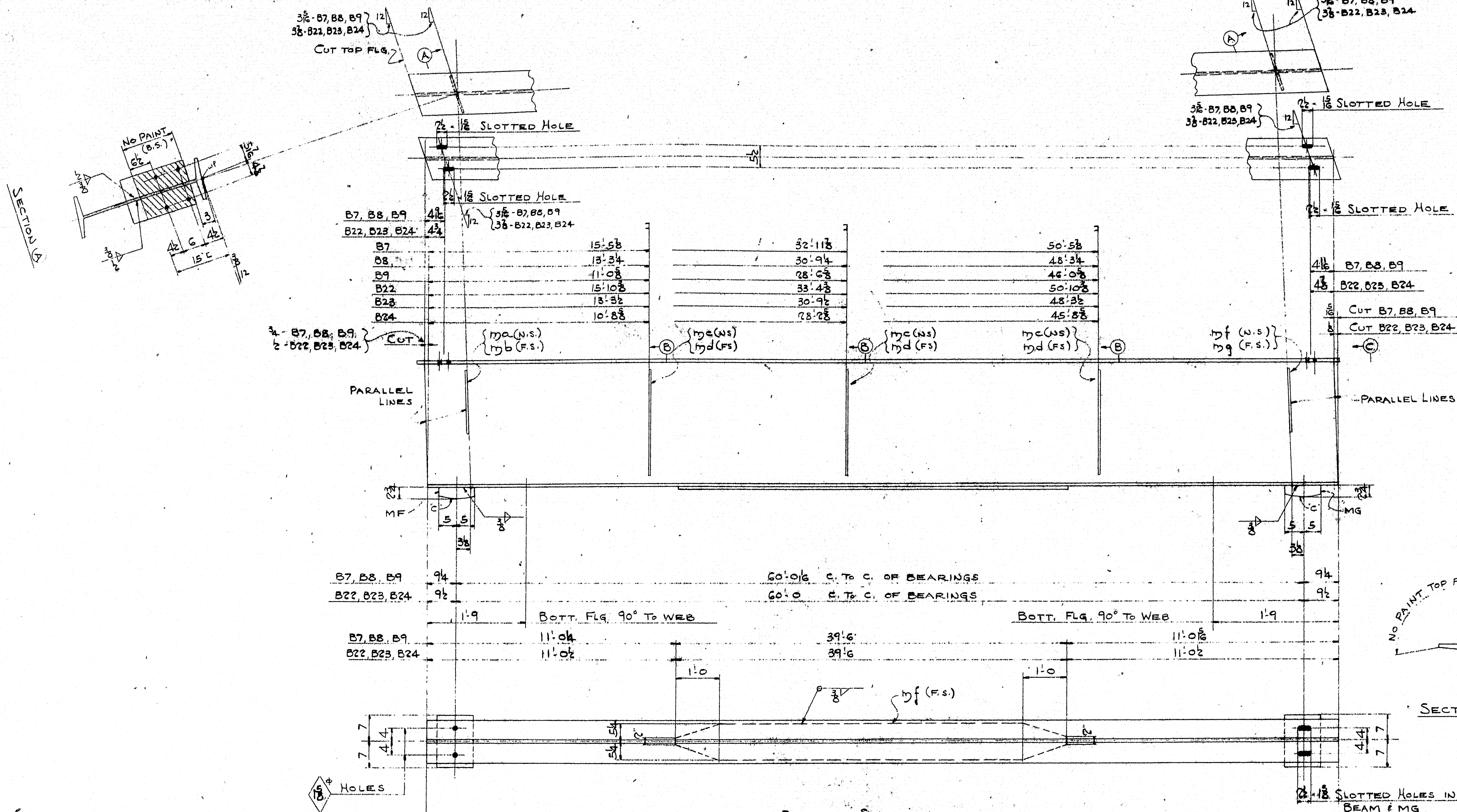
4. R. 10-2 1/4 (PIS) 1/2 MF (ORD. DET. ON SHEET #1)  
 4. R. 10-2 1/4 (PIS) 1/2 MG DO NOT DUPLICATE  
 4. COV. R. 10-2 (U.M.) 1/2 3/4 MF (ORD.) 3/5  
 (A.S.T.M. A373)

2. R. 10-2 1/4 1/2 MF BG, B21 (ORD. 18-2 1/2 1/2 5/8)  
 2. R. 10-2 1/4 1/2 MF B10, B25 (ORD. 18-2 1/2 1/2 5/8)  
 4. R. 10-2 1/4 2 1/2 MF BG, B21 (ORD. 80-2 1/2 1/2 5/8)  
 4. R. 10-2 1/4 2 1/2 MF B10, B25 (ORD. 80-2 1/2 1/2 5/8)  
 2. F. WELD = 12'-0 (3'-0 EA. PC.)  
 3/8" F. WELD = 344'-0 (82'-0 EA. PC.)

OPEN HOLES 1 1/2" UNLESS NOTED  
 PAINT ONE SHOP COAT AS PER SPECS. UNLESS NOTED  
 WELDING AS PER SPECS.  
 SHOP CONTACT SURFACES NO PAINT

TEMP.	CUSTOMER: CALLAHAN BROS. INC., MECHANIC FALLS, MAINE		
SUPPLY	STRUCTURE: INTERSTATE # 95 BRIDGE OVER		
LAYOUT	MAIN ST., WATERVILLE, MAINE		
FITTING	BETHLEHEM STEEL COMPANY		
SHOP SHOP	FABRICATED STEEL CONSTRUCTION		
PA. WEL.	BETHLEHEM DRAFTING ROOM, DETH. WORKS		
A. SMITH	IN CHARGE: HOOVER, SEC. MADE BY: B.T.		
MON.	CHECKED BY: S. R. 22-50, TRACED BY: LAST ASSEMB. MK.		
SPRINT.	REVISOR		
Q. INSP.	SHOP NO. CONTRACT CP4433		
WEIGHTS	SHEET 4		





MARK	NO.	SPAN
B7	ONE	?
B8	ONE	?
B9	ONE	?
B22	ONE	5
B23	ONE	5
B24	ONE	5

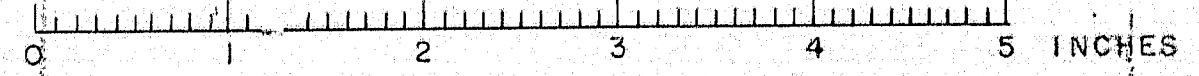
G- R- 10-234 (PIS) 1-2-MF (ORD. F DET. ON SHEET #1)  
 G- R- 10-234 (PIS) 1-2-MG DO NOT DUPLICATE  
 G- Cov. R- 102 (U.M.) 3-39-1 G MF (ORD. 3/4)  
 (ASTM A373)

C- R- 1-2-1-1 G MF (ORD. 18-2-16-6) 5/8  
 G- R- 1-2-1-1 G MF (ORD. 18-2-16-6) 5/8  
 18- R- 1-2-1-1 G MF (ORD. 30-2-16-6) 5/8  
 18- R- 1-2-1-1 G MF (ORD. 30-2-16-6) 5/8  
 G- R- 1-2-1-1 G MF (ORD. 18-2-16-6) 5/8  
 G- R- 1-2-1-1 G MF (ORD. 18-2-16-6) 5/8  
 1/2 F WELD 3/8-0 (1/4 EA. PE)  
 1/2 F WELD 3/4-0 (1/4 EA. PE)

RYETS  
 OPEN HOLES 1/8" UNLESS NOTED  
 MEAN  
 MILLING  
 PAINT ONE SHOP COAT AS PER  
 SPECS. UNLESS NOTED  
 WELDING AS PER SPECS.  
 SHOP CONTACT SURFACES NO PAINT.

TEMP.  
 ELEV.  
 DATE  
 DRAWN  
 CHECKED  
 APPROVED  
 WEIGHTS  
 SHOP NO.

CUSTOMER: CALLAHAN BRIDGE CO. MECHANIC FALLS, MAINE  
 STRUCTURE: INTERSTATE #95 BRIDGE OVER  
 MAIN ST. WATERTOWN, MAINE  
 BETHLEHEM STEEL COMPANY  
 FABRICATED STEEL CONSTRUCTION  
 BETHLEHEM DRAFTING ROOM. BETH. WORKS  
 IN CHARGE: HOOVER SEC. MADE BY: B.T.  
 CHECKED BY: J. L. 12-11-56  
 REVISED: LAST AMEN. MK.  
 SHOP NO. CONTRACT CP4433 15-178F SHEET 5

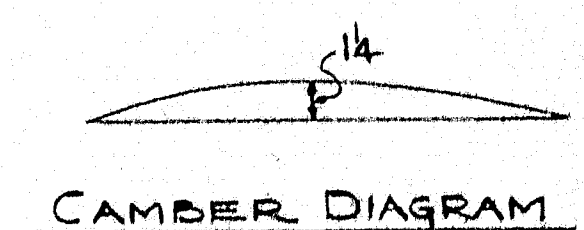
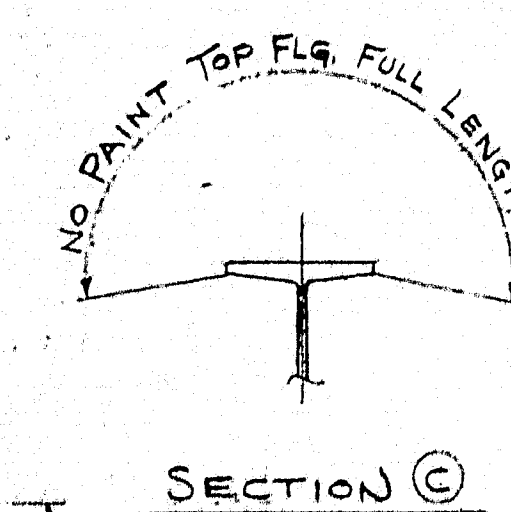
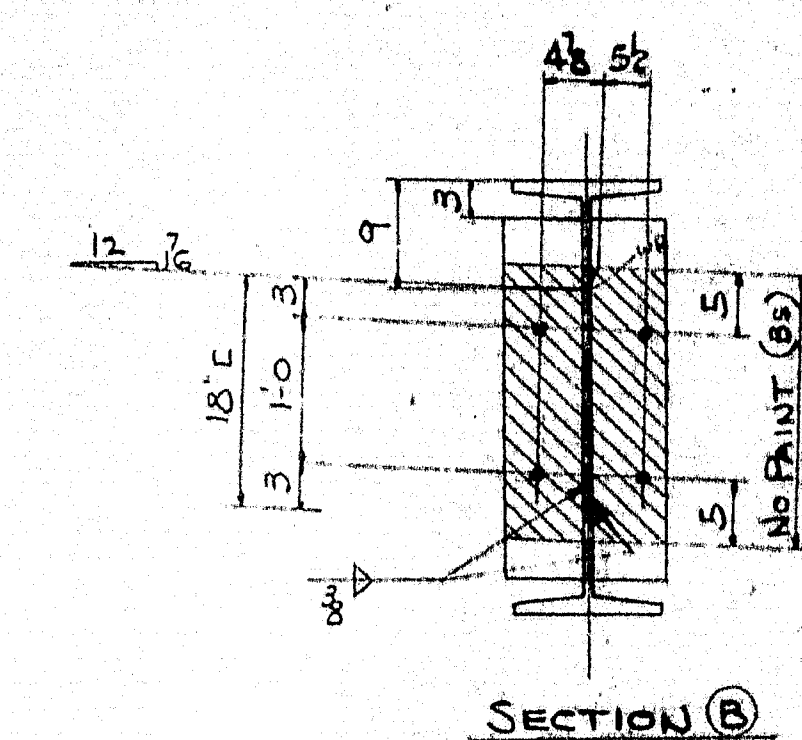
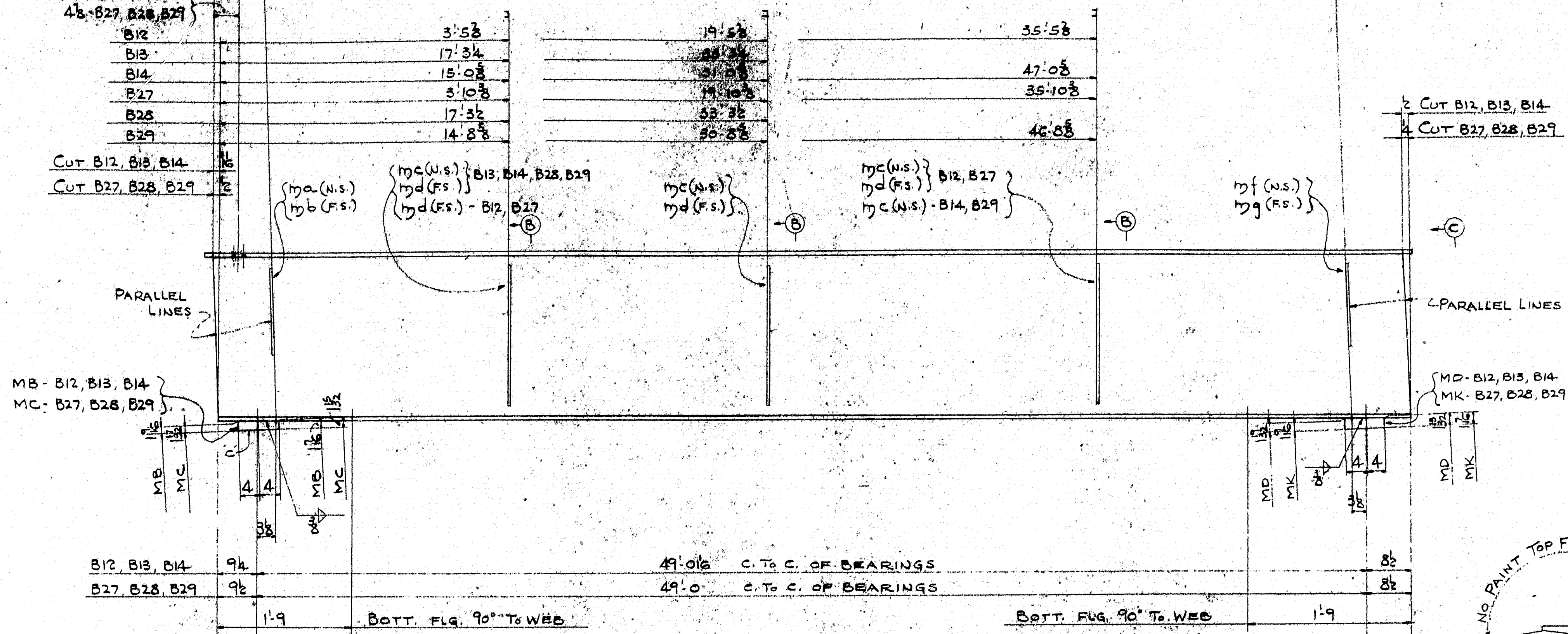
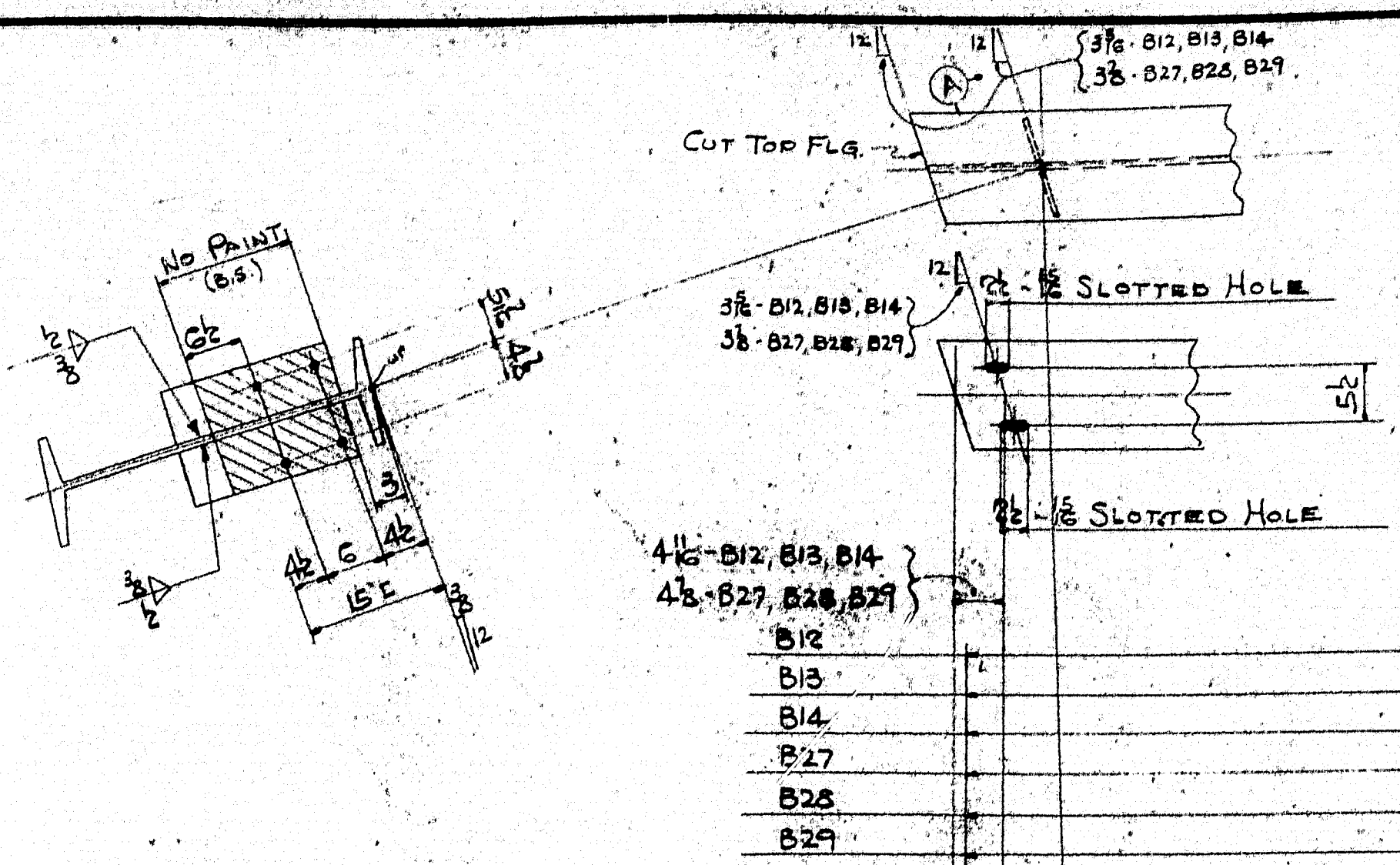








SECTION A



LONGITUDINAL DIMENSIONS ARE MEASURED PARALLEL TO CHORD LINE

SURFACES MARKED 'C' TO BE GIVEN ONE COAT OF A HOT MIXTURE OF WHITE LEAD AND TALLOW.

MARK	NO. REQ'D.	SPAN
B12	ONE	3
B13	ONE	3
B14	ONE	3
B27	ONE	6
B28	ONE	6
B29	ONE	6

3 - R. 8 - (1/2 - 1 1/2) (M2S) - 1-2 MB-B12, B13, B14  
 3 - R. 8 - (1/2 - 1 1/2) (M2S) - 1-2 MC-B27, B28, B29  
 3 - R. 8 - (1/2 - 1 1/2) (M1S) - 1-2 MD-B12, B13, B14  
 3 - R. 8 - (1/2 - 1 1/2) (M1S) - 1-2 MK-B27, B28, B29

DO NOT DUPLICATE

BOTTOM SECTION

B-362	194	50	5 1/8	(ORD. 51.0 CUT 50.9 1/8)	3/4
B-362	194	50	5 1/8	(ORD. 51.0 CUT 50.9 1/8)	3/4
B-362	194	50	5 1/8	(ORD. 51.0 CUT 50.9 1/8)	3/4
B-362	194	50	5 1/8	(ORD. 51.0 CUT 50.9 1/8)	3/4
B-362	194	50	5 1/8	(ORD. 51.0 CUT 50.9 1/8)	3/4
B-362	194	50	5 1/8	(ORD. 51.0 CUT 50.9 1/8)	3/4

12 - R. 2 1/2 - 1 1/2 Ma { (ORD. 18.2 - 16.6) 5/8  
 12 - R. 2 1/2 - 1 1/2 Mb { (ORD. 18.2 - 16.6) 5/8  
 14 - R. 2 1/2 - 2 1/2 Mc { (ORD. 30.2 - 16.6) 5/8  
 14 - R. 2 1/2 - 2 1/2 Md { (ORD. 30.2 - 16.6) 5/8  
 6 - R. 2 1/2 - 1 1/2 Mf { (ORD. 18.2 - 16.6) 5/8  
 6 - R. 2 1/2 - 1 1/2 Mg { (ORD. 18.2 - 16.6) 5/8  
 1/2 F. WELD - 36.0 (C.O. EA. PC.)  
 1/2 F. WELD - 192.0 (C.O. EA. PC.)

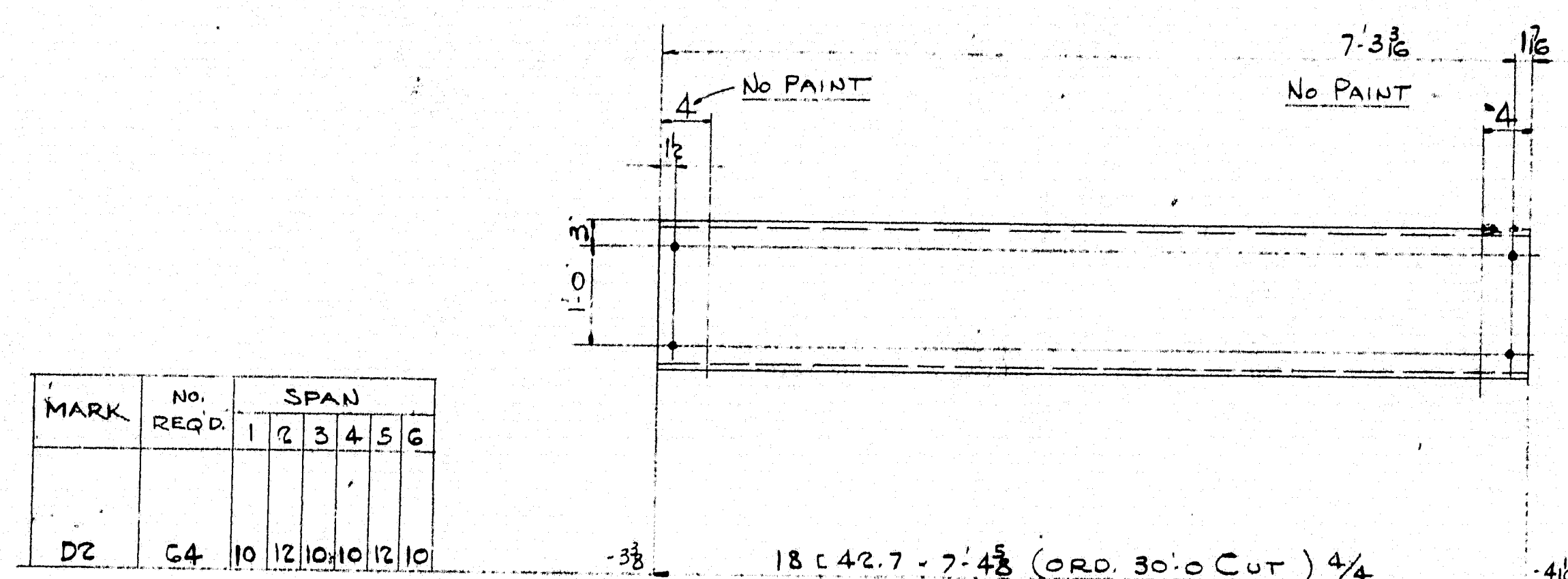
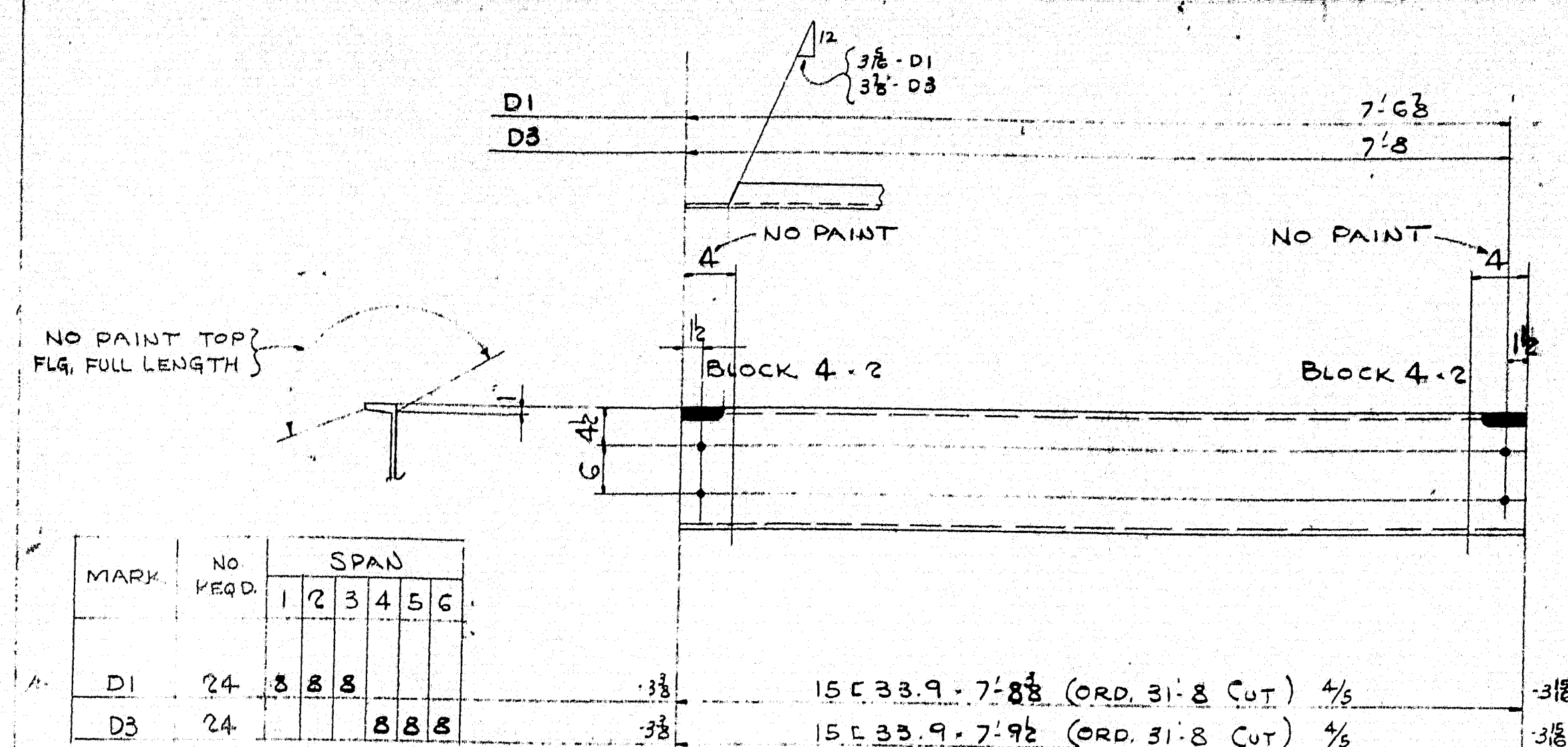
RIVETS -  
 OPEN HOLES 1/8" UNLESS NOTED  
 BEAM  
 MILLING  
 PAINT ONE SHOP COAT AS PER SPECS UNLESS NOTED  
 WELDING AS PER SPECS.  
 SHOP CONTACT SURFACES NO PAINT

STRINGER DETAILS

TEMP.	CUSTOMER: CALLAHAN BROS. INC. MECHANIC FALLS, MAINE
DUP.	STRUCTURE: INTERSTATE "95 BRIDGE OVER
LAYOUT	MAIN ST. - WATERVILLE, MAINE
FITTER	
SHOP INSP.	
PC. WK.	
E. SMITH	
INCH.	
FINISH	
O. INSP.	
WEIGHTS	
BETHLEHEM STEEL COMPANY	
FABRICATED STEEL CONSTRUCTION	
BETHLEHEM DRAFTING ROOM BETH WORKS	
IN CHARGE: HOOVER, J.C. MADE BY: B.T.	
CHECKED BY: S. 12-22-58. TRACED BY:	
REVISED: LAST ASSEMB. MK.	
SHOP NO.	CONTRACT CP4433
SHEET 7	



S.P.R. REQ. NO.	STATE	PROJECT No.	SHEET TOTAL
1	MAINE	1-95-G (14)	8



# DIAPHRAGM DETAILS

RIVETS  
OPEN HOLES 1/8"  
REAM  
MILLING  
PAINT ONE SHOP COAT AS PER SPECS. UNLESS NOTED  
WELDING NONE  
SHOP CONTACT SURFACES NO PAINT

TEMP.	CUSTOMER: CALLAHAN BROS. INC. MECHANIC FALLS, MAINE
SUPPLY	STRUCTURE: INTERSTATE #95 BRIDGE OVER
LAYOUT	MAIN ST. WATERTOWN, MAINE
FITTER	BETHLEHEM STEEL COMPANY
SHOP MGR.	FABRICATED STEEL CONSTRUCTION
EC. WEL.	BETHLEHEM DRAFTING ROOM BETH WORKS
E. SMITH	IN CHARGE: HOOVER, SEC. MADE BY: B.T.
SMOKE	CHECKED BY: S. 12.22.58. TYPED BY:
ENDRY	REVISED: LAST APPROV. MK.
D. MORG.	SHOP NO. CONTRACT CP4433
WEIGHTS	SHEET 8

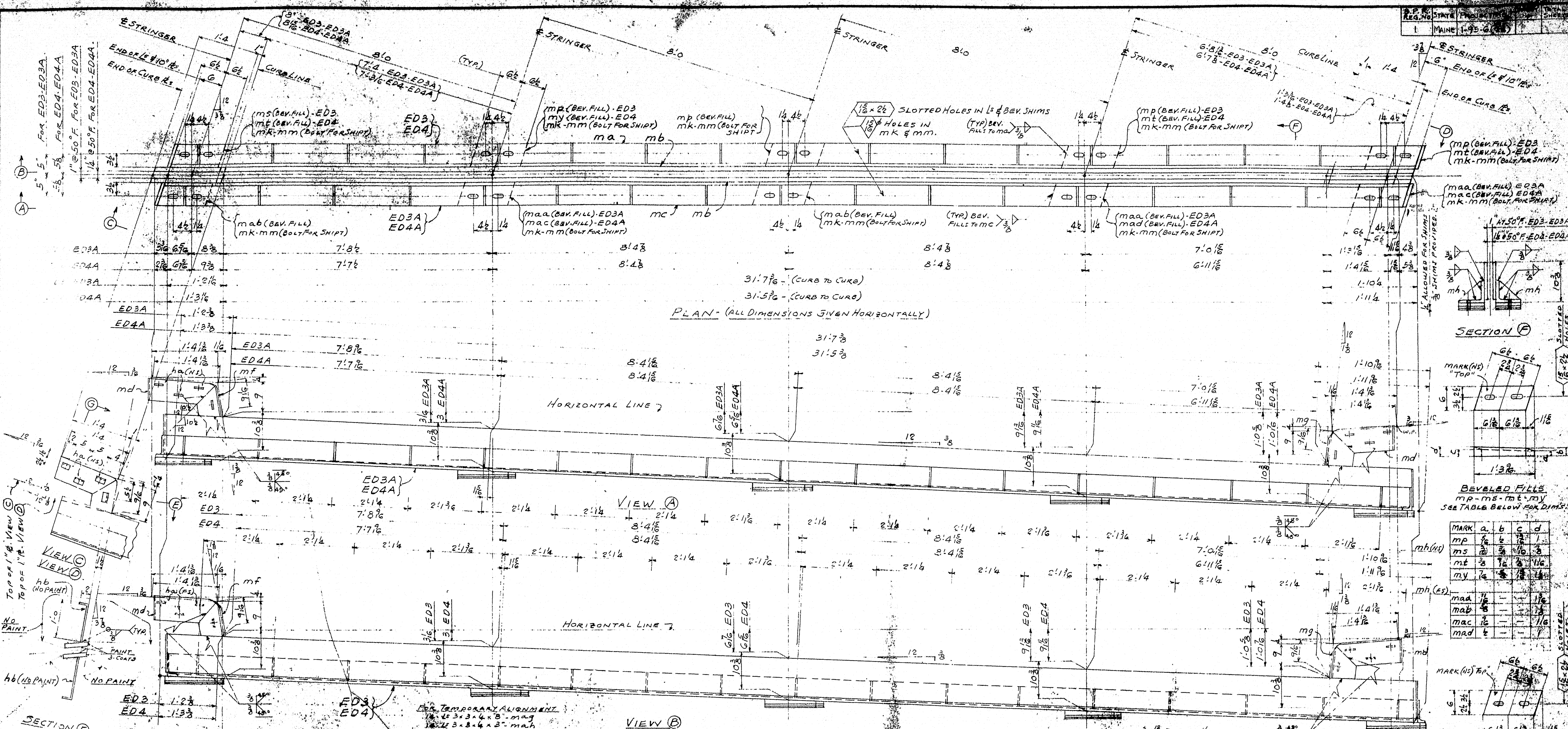
0 1 2 3 4 5 INCHES

75-178 I









**ED3 - ONE REQ'D. SPAN 4**

ONE - LG. 6" x 6" x 34'-10 1/2" - ma (ORD. 35'-0") 7/8

ONE - LG. 10" (4" MIN) x 1" x 34'-8 1/2" - mb (ORD. 34'-0") 3/4

2 - BARS - md

ONE - BAR - mf

6 - BARS - ha

2 - BARS - hb

5 - FILLS - mk

5 - FILLS - mm

4 - BEV. FILL - 6" x 6" x 1 1/2" - mp

ONE - BEV. FILL - 6" x 6" x 1 1/2" - ms

5 - T.B. 3" x 3" x 1/2"

3" F. WELD x 3" x 1/2" (INTERM.)

3" F. WELD x 3" x 1/2" (INTERM.)

17 - BARS - mh

ONE - BAR - mg

**ED4 - ONE REQ'D. SPAN 5**

ONE - LG. ma

ONE - LG. mb

2 - BARS - md

ONE - BAR - mf

6 - BARS - ha

2 - BARS - hb

5 - FILLS - mk

5 - FILLS - mm

ONE - BEV. FILL - 6" x 6" x 1 1/2" - mp

3 - BEV. FILL - 6" x 6" x 1 1/2" - ms

ONE - BEV. FILL - 6" x 6" x 1 1/2" - mt

5 - T.B. 3" x 3" x 1/2"

3" F. WELD x 3" x 1/2" (INTERM.)

3" F. WELD x 3" x 1/2" (INTERM.)

17 - BARS - mh

ONE - BAR - mg

**ED3A - ONE REQ'D. SPAN 5**

ONE - LG. 6" x 6" x 34'-10 1/2" - ma (ORD. 35'-0") 7/8

ONE - LG. mb

2 - BARS - md

ONE - BAR - mf

6 - BARS - ha

2 - BARS - hb

5 - FILLS - mk

5 - FILLS - mm

3 - BEV. FILL - 6" x 6" x 1 1/2" - maa

2 - BEV. FILL - 6" x 6" x 1 1/2" - mab

17 - BARS - mh

5 - T.B. 3" x 3" x 1/2"

3" F. WELD x 3" x 1/2" (INTERM.)

3" F. WELD x 3" x 1/2" (INTERM.)

ONE - BAR - mg

**ED4A - ONE REQ'D. SPAN 6**

ONE - LG. mc

ONE - LG. md

2 - BARS - me

ONE - BAR - mf

6 - BARS - ha

2 - BARS - hb

5 - FILLS - mk

5 - FILLS - mm

2 - BEV. FILL - 6" x 6" x 1 1/2" - mac

2 - BEV. FILL - 6" x 6" x 1 1/2" - mad

ONE - BEV. FILL - 6" x 6" x 1 1/2" - mae

ONE - BAR - mg

17 - BARS - mh

5 - T.B. 3" x 3" x 1/2"

3" F. WELD x 3" x 1/2" (INTERM.)

3" F. WELD x 3" x 1/2" (INTERM.)

3" F. WELD x 3" x 1/2" (INTERM.)

**SHOP NOTE**

PROVIDE STIFFENING BOLTED ALONG EXP. DAM (510 C.C. AER.) TO HOLD PAINT IN PROPER ALIGNMENT.

PAINT - 3 SHOP COATS - AS PER SPECS. UNLESS NOTED - SEE SECTIONS. WELDING - AS PER SPECS.

SHOP CONTACT SURFACES - NO PAINT.

MARK	a	b	c	d
mp	1/2	1/2	1/2	1/2
ms	1/2	1/2	1/2	1/2
mt	1/2	1/2	1/2	1/2
ma	1/2	1/2	1/2	1/2
mb	1/2	1/2	1/2	1/2
mc	1/2	1/2	1/2	1/2
md	1/2	1/2	1/2	1/2
me	1/2	1/2	1/2	1/2
mf	1/2	1/2	1/2	1/2
mg	1/2	1/2	1/2	1/2
mh	1/2	1/2	1/2	1/2
mi	1/2	1/2	1/2	1/2
mj	1/2	1/2	1/2	1/2
mk	1/2	1/2	1/2	1/2
ml	1/2	1/2	1/2	1/2
mm	1/2	1/2	1/2	1/2
mn	1/2	1/2	1/2	1/2
mo	1/2	1/2	1/2	1/2
mp	1/2	1/2	1/2	1/2
mq	1/2	1/2	1/2	1/2
mr	1/2	1/2	1/2	1/2
ms	1/2	1/2	1/2	1/2
mt	1/2	1/2	1/2	1/2
ma	1/2	1/2	1/2	1/2
mb	1/2	1/2	1/2	1/2
mc	1/2	1/2	1/2	1/2
md	1/2	1/2	1/2	1/2
me	1/2	1/2	1/2	1/2
mf	1/2	1/2	1/2	1/2
mg	1/2	1/2	1/2	1/2
mh	1/2	1/2	1/2	1/2
mi	1/2	1/2	1/2	1/2
mj	1/2	1/2	1/2	1/2
mk	1/2	1/2	1/2	1/2
ml	1/2	1/2	1/2	1/2
mm	1/2	1/2	1/2	1/2
mn	1/2	1/2	1/2	1/2
mo	1/2	1/2	1/2	1/2

SHOP NO. CONTRACT CP4433

75-178 K