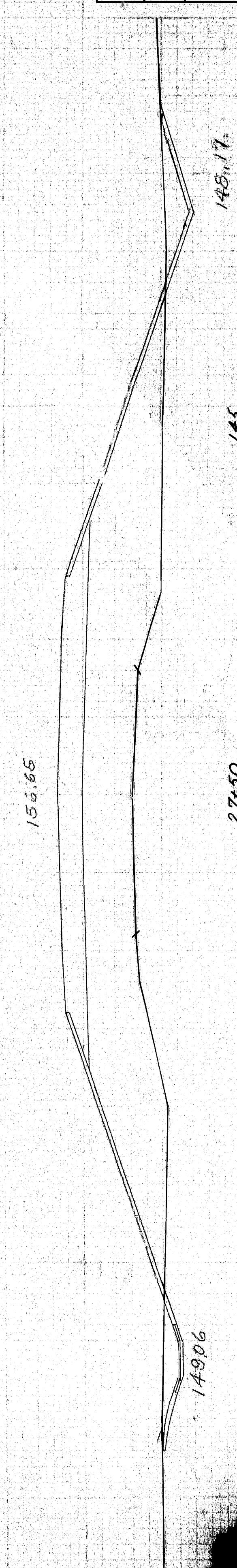
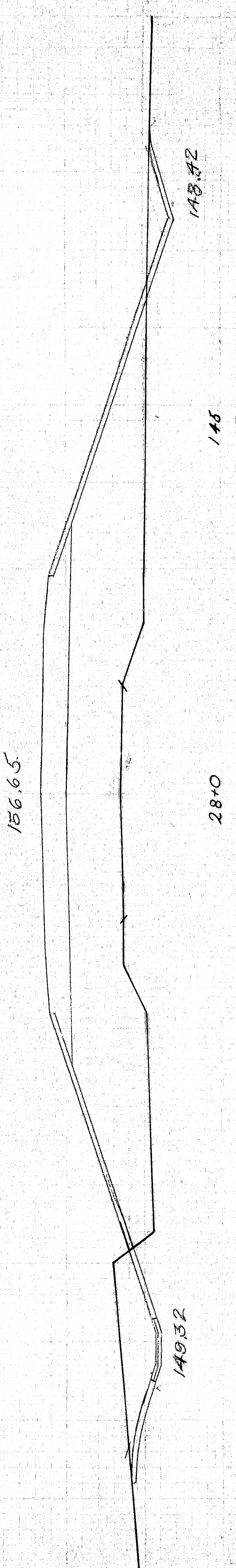
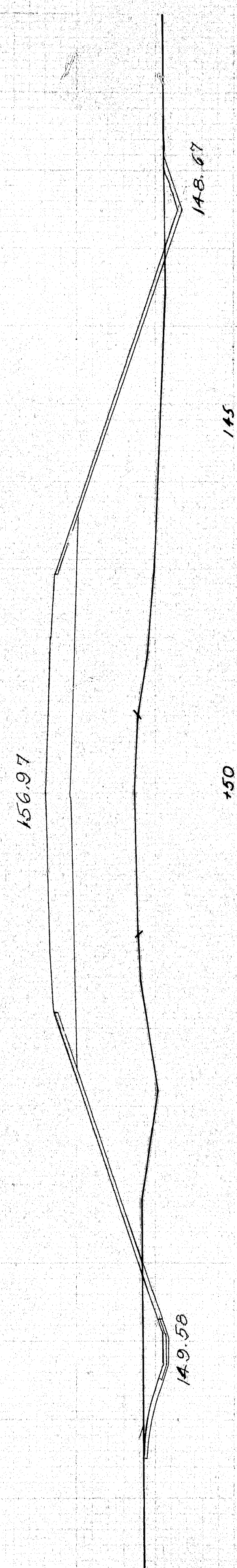
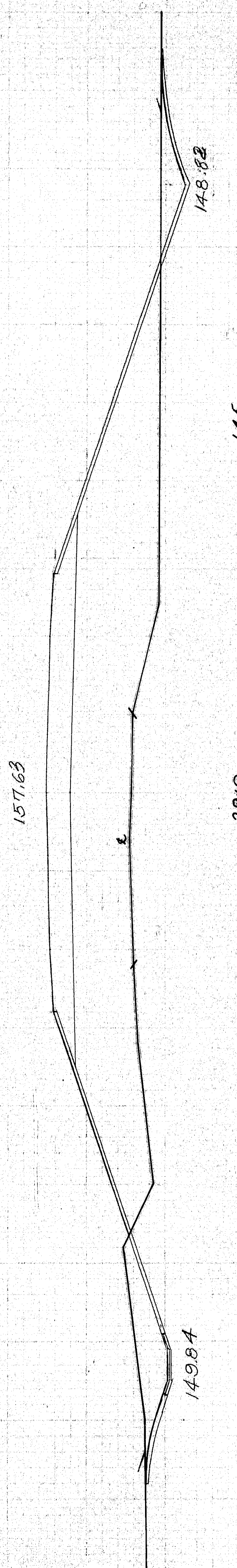
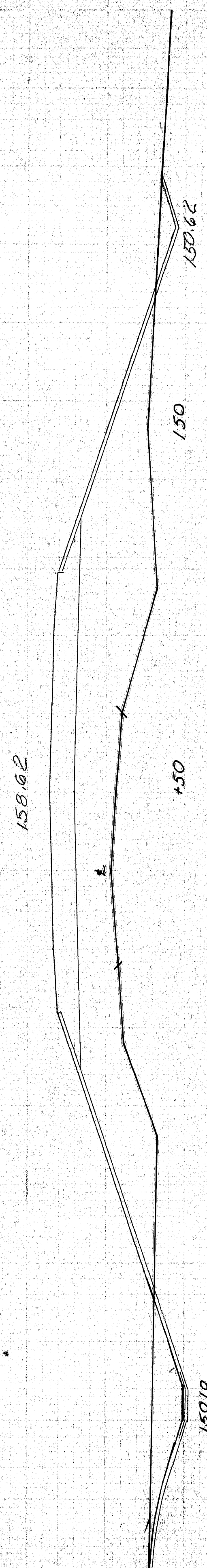
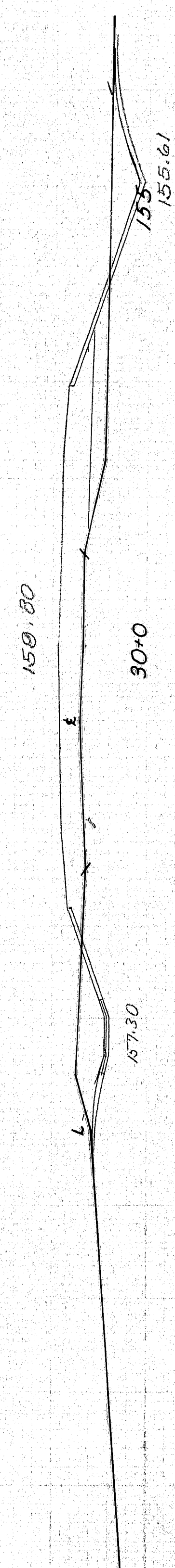
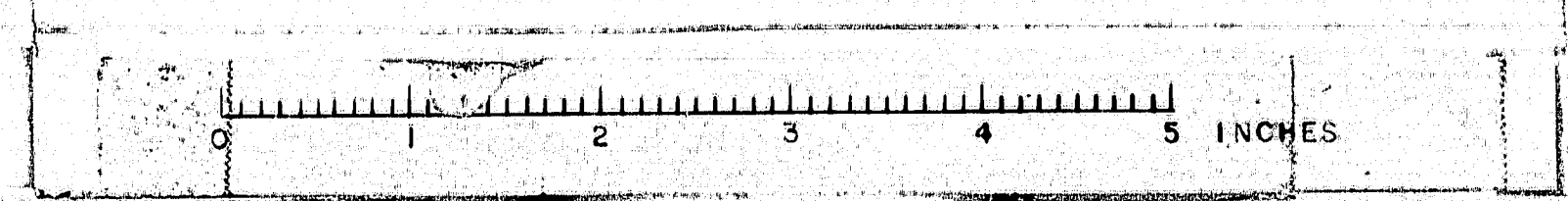
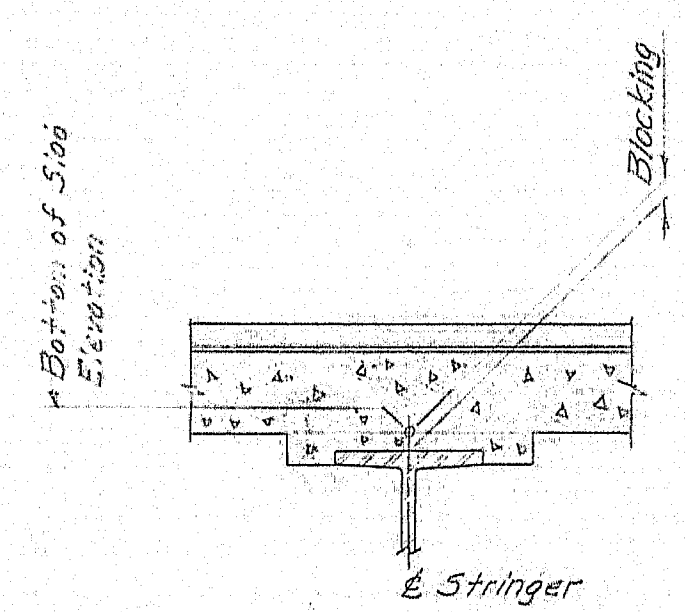
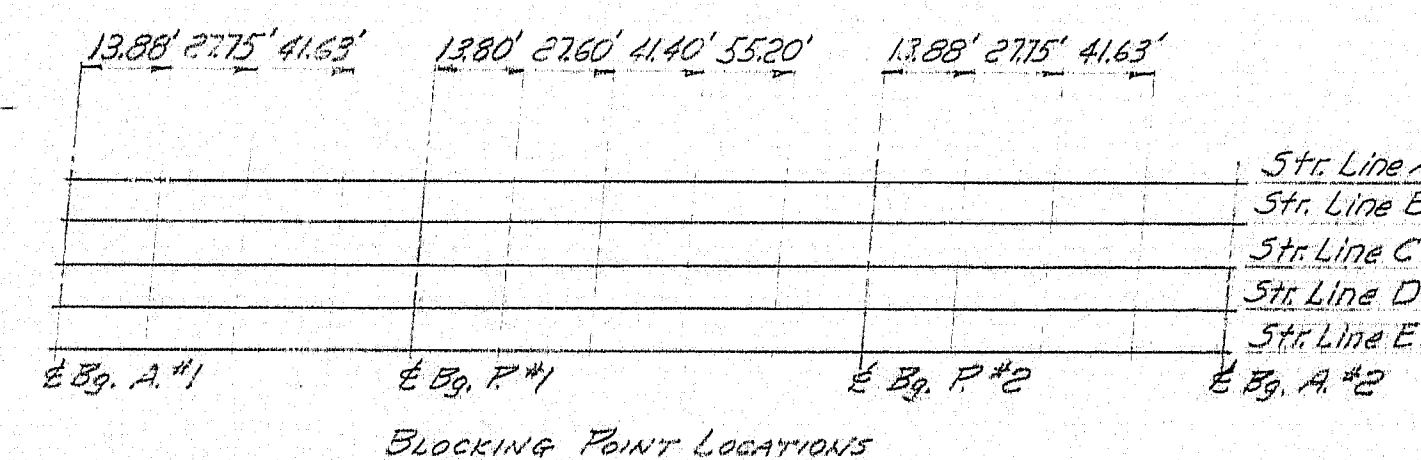
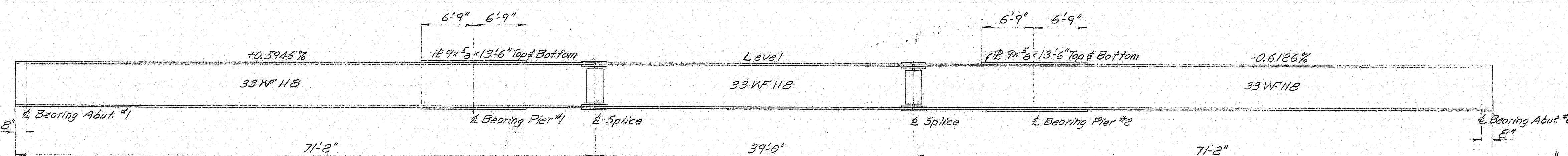
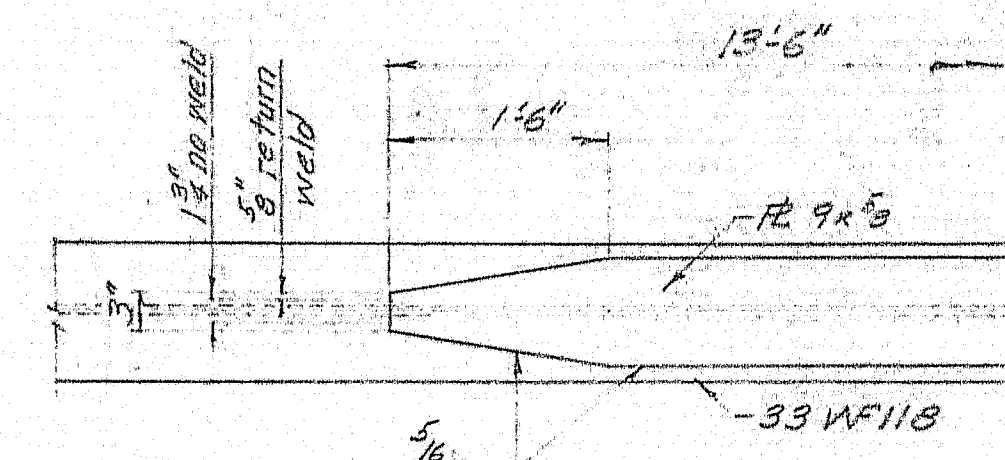
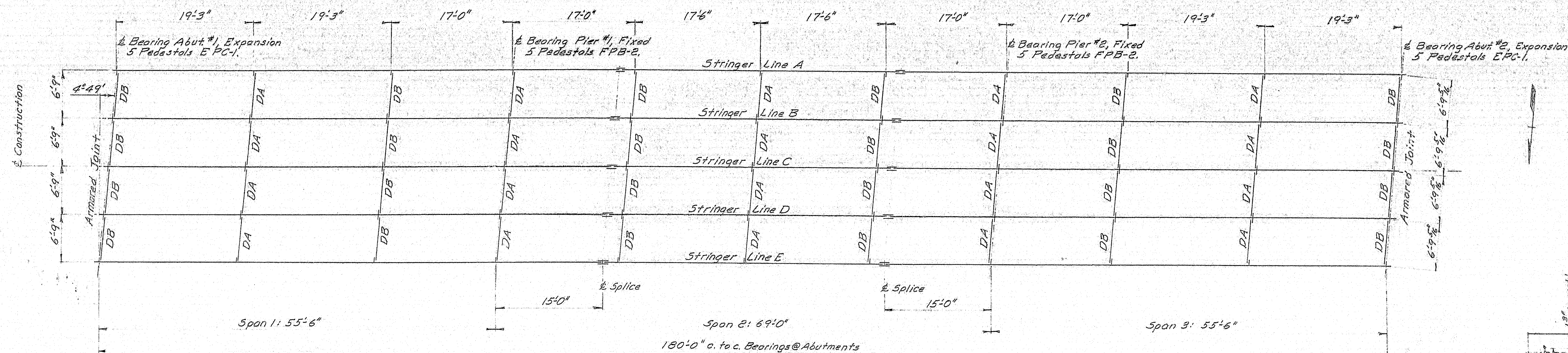


S. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-98-B (48)	11	16



ALTON ROAD BRIDGE CROSS SECTIONS





Note: To compensate for dead load deflections as well as possible irregularities in beams, set the bottom of slab elevations at the points indicated before any of the slab form work is started.

BOTTOM OF SLAB ELEVATIONS					
Point	Str. A	Str. B	Str. C	Str. D	Str. E
At Bg. Abut #1	170.45	170.59	170.72	170.58	170.43
+13.88	170.60	170.79	170.87	170.73	170.58
+27.75	170.70	170.84	170.97	170.83	170.69
+41.63	170.76	170.89	171.03	170.89	170.74
At Bg. Pier #1	170.80	170.93	171.07	170.93	170.79
+13.80	170.85	170.99	171.13	170.99	170.85
+27.60	170.89	171.03	171.18	171.03	170.89
+41.40	170.89	171.03	171.17	171.03	170.89
+55.20	170.84	170.99	171.13	170.99	170.85
At Bg. Pier #2	170.79	170.93	171.07	170.93	170.79
+13.88	170.74	170.88	171.03	170.89	170.75
+27.75	170.68	170.82	170.97	170.83	170.70
+41.63	170.57	170.72	170.87	170.73	170.59
At Bg. Abut #2	170.42	170.57	170.71	170.58	170.44

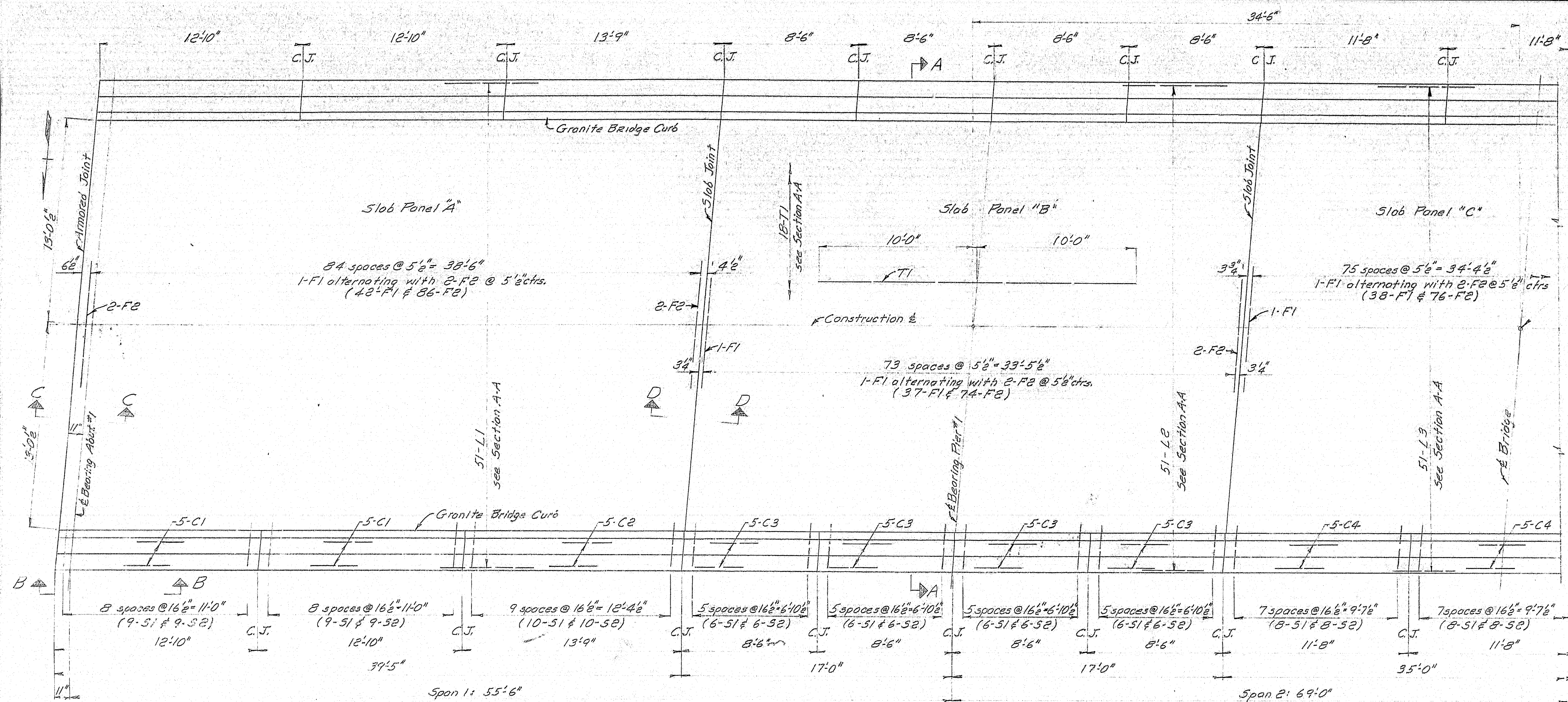
REFERENCES AND GENERAL STRUCTURAL STEEL NOTES

Structural Steel Classification: See SPS-2.
Bearing Pedestals: See Standard Details BD-101-62.
Beam Splices: See Standard Details BD-103-62.
Diaphragms: Diaphragms DA are Type A.
Diaphragms and Diaphragms DB are Type B.
Diaphragms: See Standard Details BD-104-62.
Armored Joints: Required. See Standard Details BD-104-62.
Drains: Required. See Standard Details BD-104-62 and SPS-16.

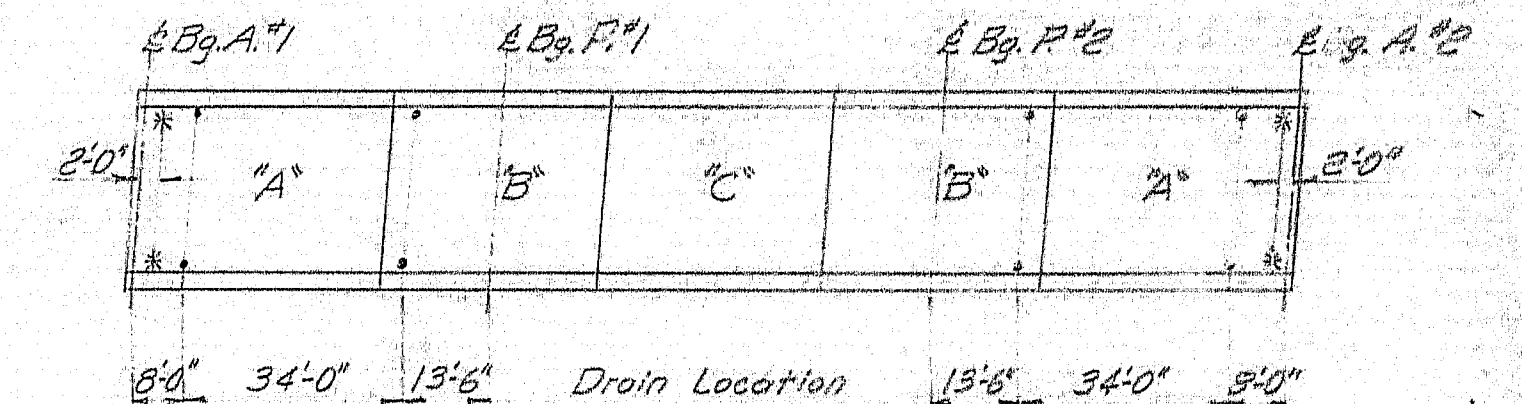
DESIGN- M.C.R. TRACE- CHECK- T.H.K.	BRIDGE NO. SURVEY- PLOT-
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
ALTON ROAD BRIDGE	
OVER	
INTERSTATE 95	
IN THE TOWNSHIP OF	
ARGYLE	
PENOBSCOT COUNTY	
STRUCTURAL STEEL & BLOCKING	
SHEET 15 OF 16 AUGUSTA, MAINE NOV. 1963	

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Note: For other half of superstructure, except for main slab reinforcement, in Slab Panel "C" rotate Part Plan 180° about this point.

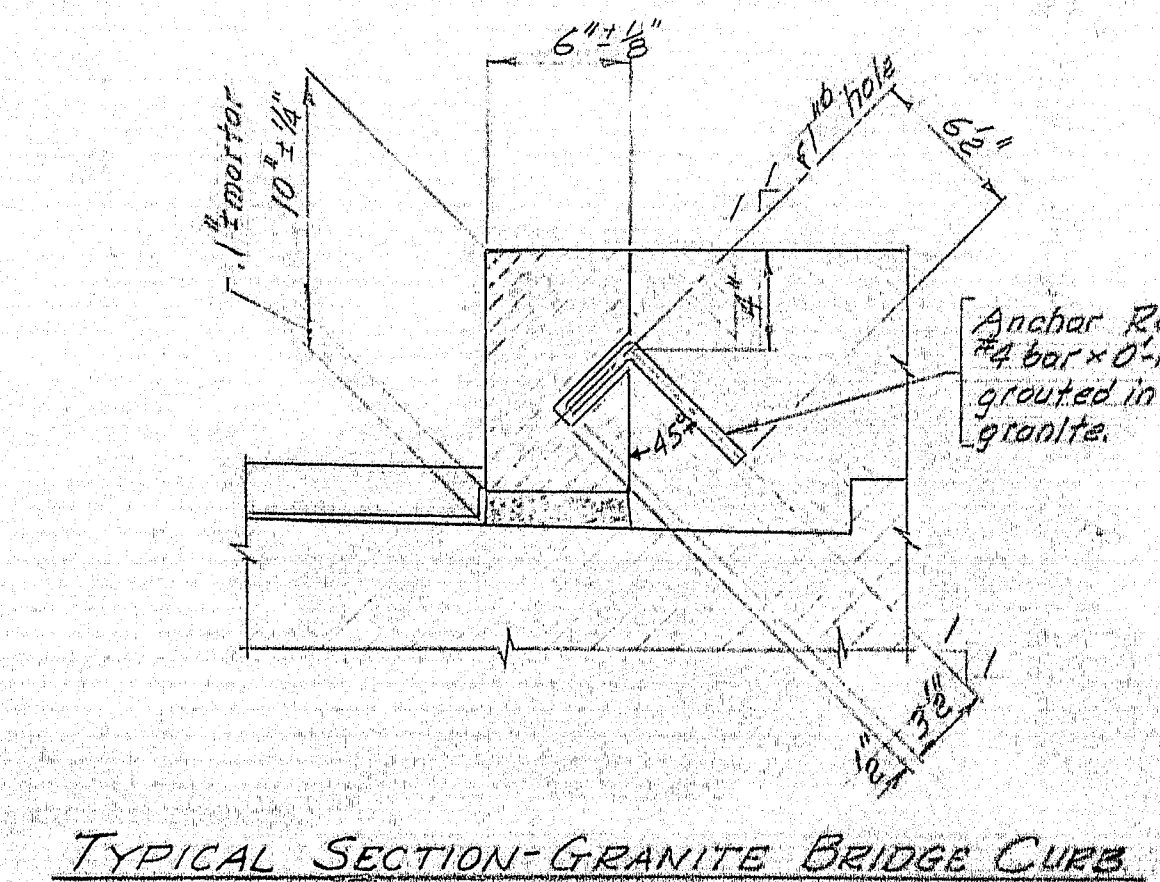
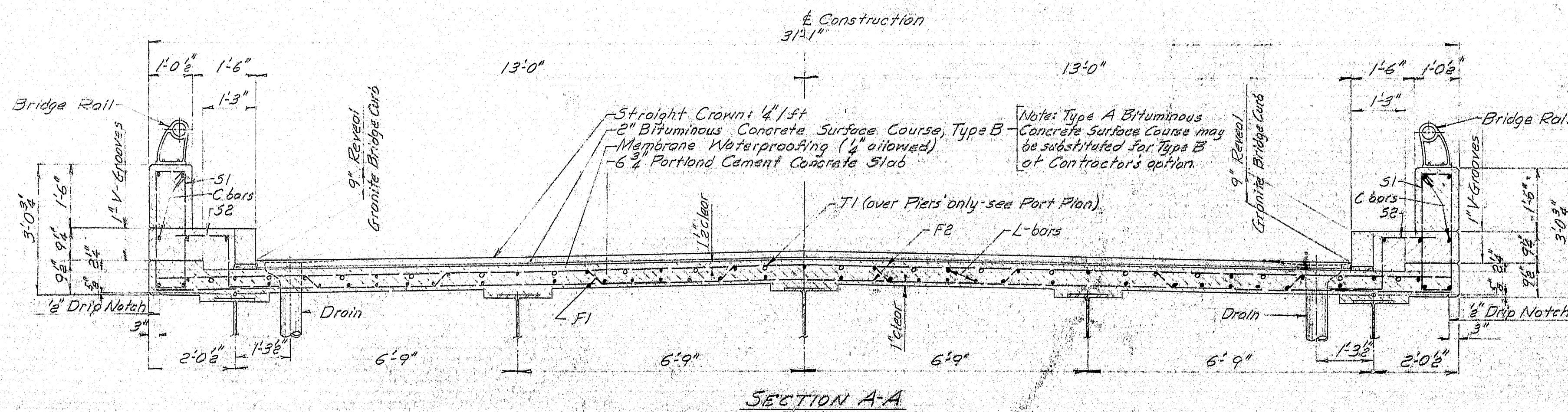
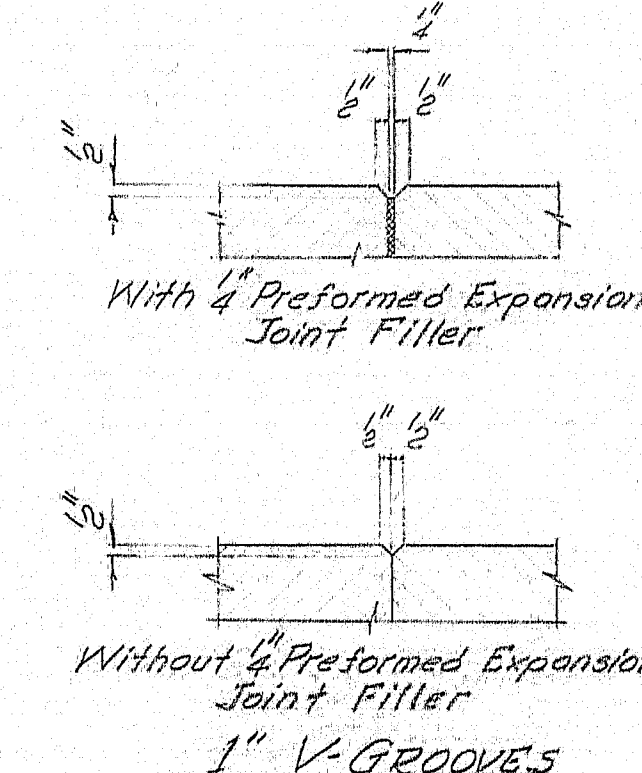
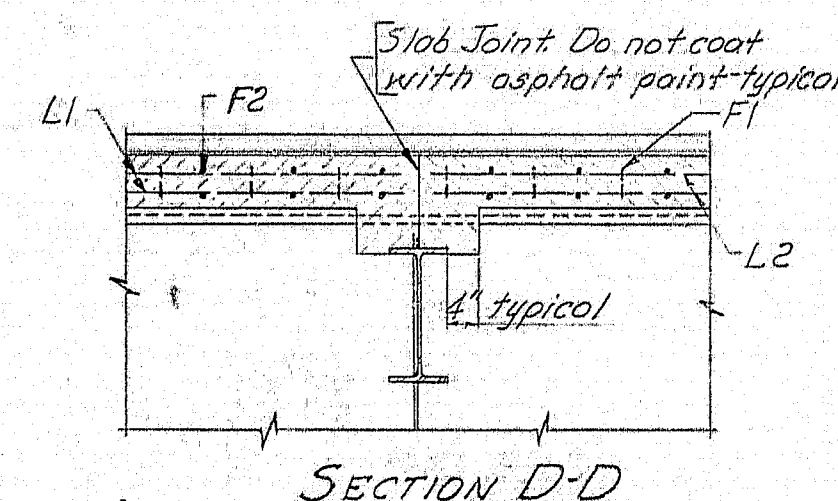
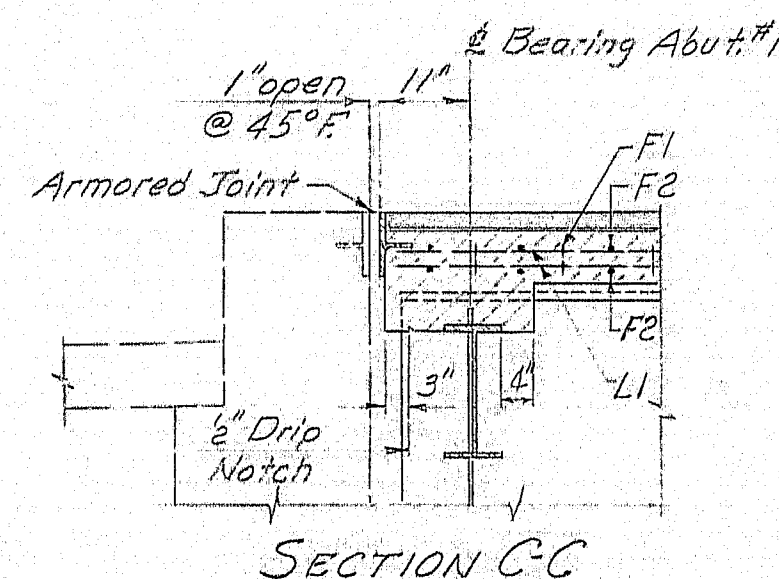
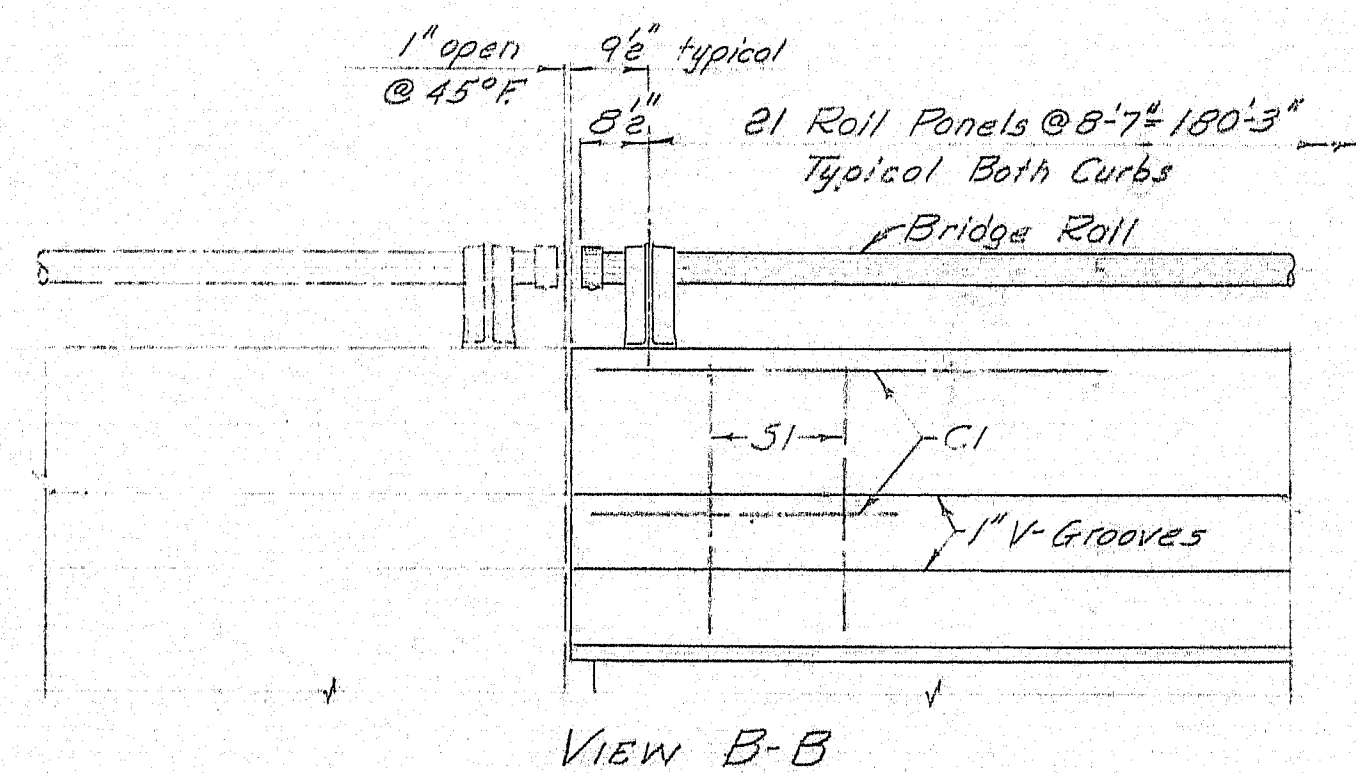


* 1" plastic drain tubes through slab and extended 5" below bottom of slab. Do not cover with membrane waterproofing. Payment to be incidental to Item 701-40, Portland Cement Concrete Roadway and Sidewalk Slabs on Steel Bridges.

DRAIN LOCATION AND PLACING SEQUENCE
Place Slab Panels "A" & "C" before placing Slab Panel "B"

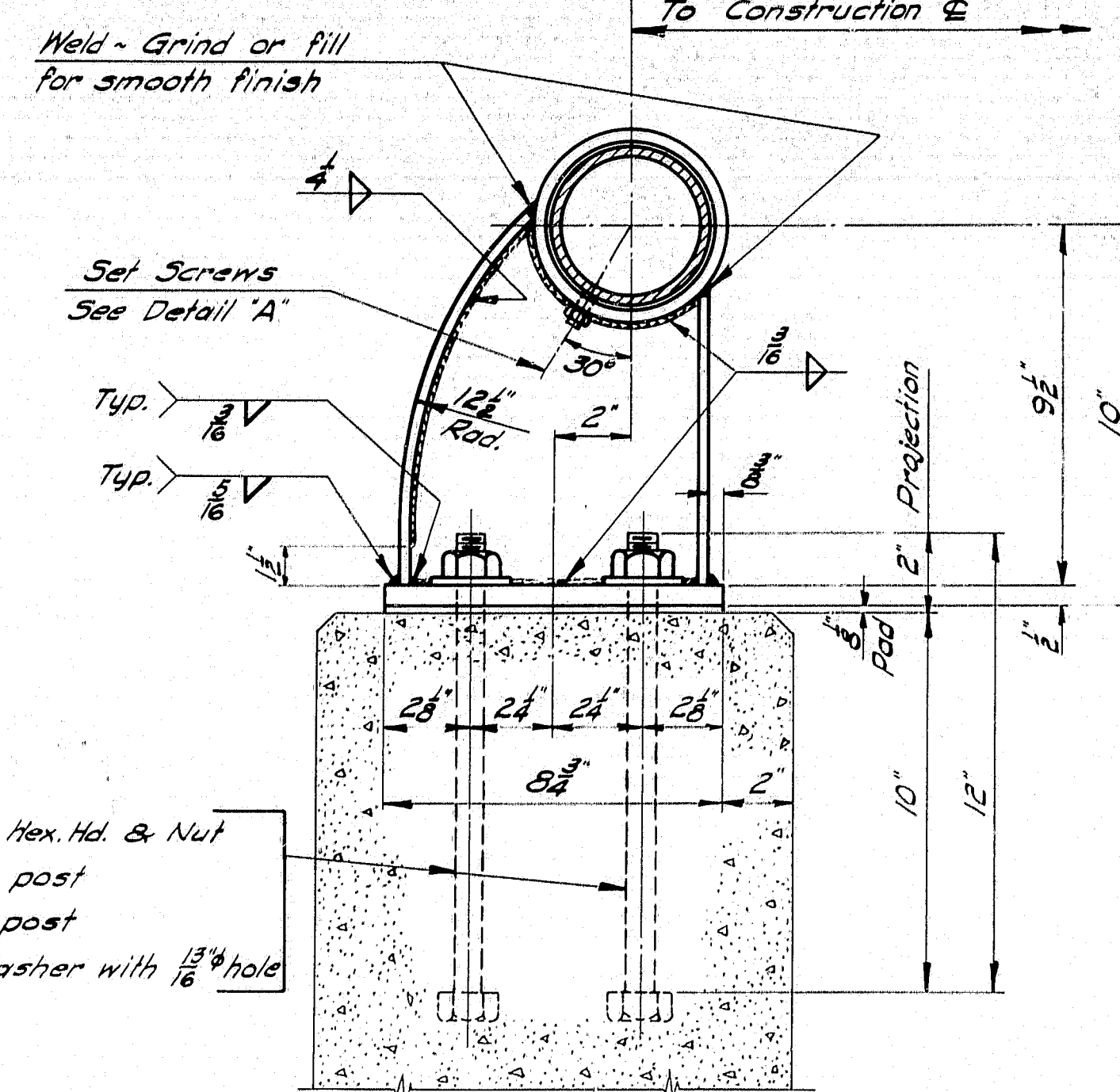
REFERENCES AND GENERAL SUPERSTRUCTURE NOTES

Blocking: See sl. 15.
Armored Joint: See sl. 15.
Drains: See sl. 15.
Bridge Roll: See Standard Details B.O. 103-65.
Reinforcing cover: 2" unless otherwise dimensioned.
C.J. on Part Plan indicates a vertical contraction joint in curb and rail parapet.
At contraction joints over piers provide 1/2" preformed expansion joint filler between contact surfaces of concrete curb, granite bridge curb and rail parapet. At all other contraction joints in concrete curb and rail parapet break the bond between the concrete surfaces by a coating of a suitable grade of asphalt paint. Form a 1" V-groove on top, inside and outside faces of rail parapet and outside face of curb and slab at each contraction joint. Provide a joint in the granite bridge curb at each contraction joint in the concrete curb and rail parapet.
Granite Bridge Curb shall conform to the requirements of Section 901, C.R.S.M.A., dated Feb. 6, 1934.
Payment shall be made under Item 901-23 Vertical Bridge Curb - Type 1, and 901-25 Vertical Bridge Curb - Circular - Type 1.



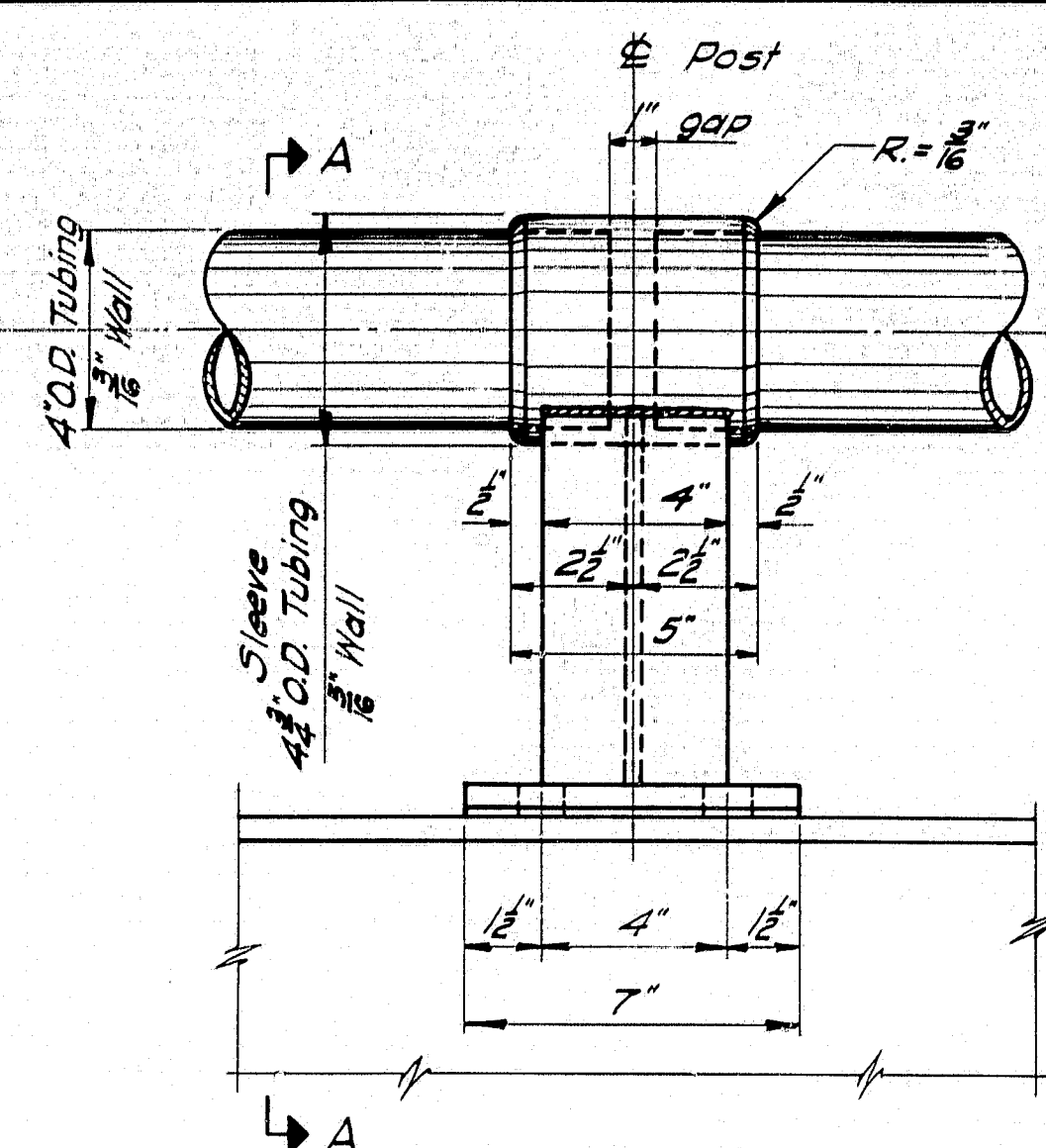
DESIGN - M.C.R.	BRIDGE NO. SURVEY PLOT -
TRACE - J.H.K.	
CHECK - J.H.K.	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
ALTON ROAD BRIDGE	
OVER	
INTERSTATE 95	
IN THE TOWNSHIP OF	
ARGYLE	
PENOBSCOT COUNTY	
SUPERSTRUCTURE	
SHEET 16 OF 16	AUGUSTA, MAINE DEC. 1963

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SECTION A-A

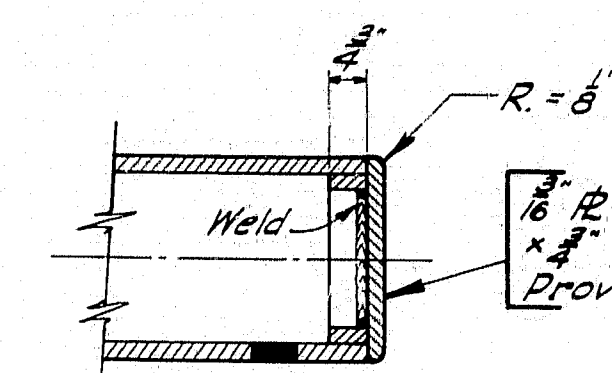
Post shown to be fabricated from 8" x 4" x 1/8" WF welded to 7" x 1/2" x 0.0625" base plate and 4" O.D., 1/8" wall x 0.5" tube or sleeve.
An alternate cast steel post may be used if the outside dimensions conform to the dimensions shown as detailed, and is approved by the Engineer.



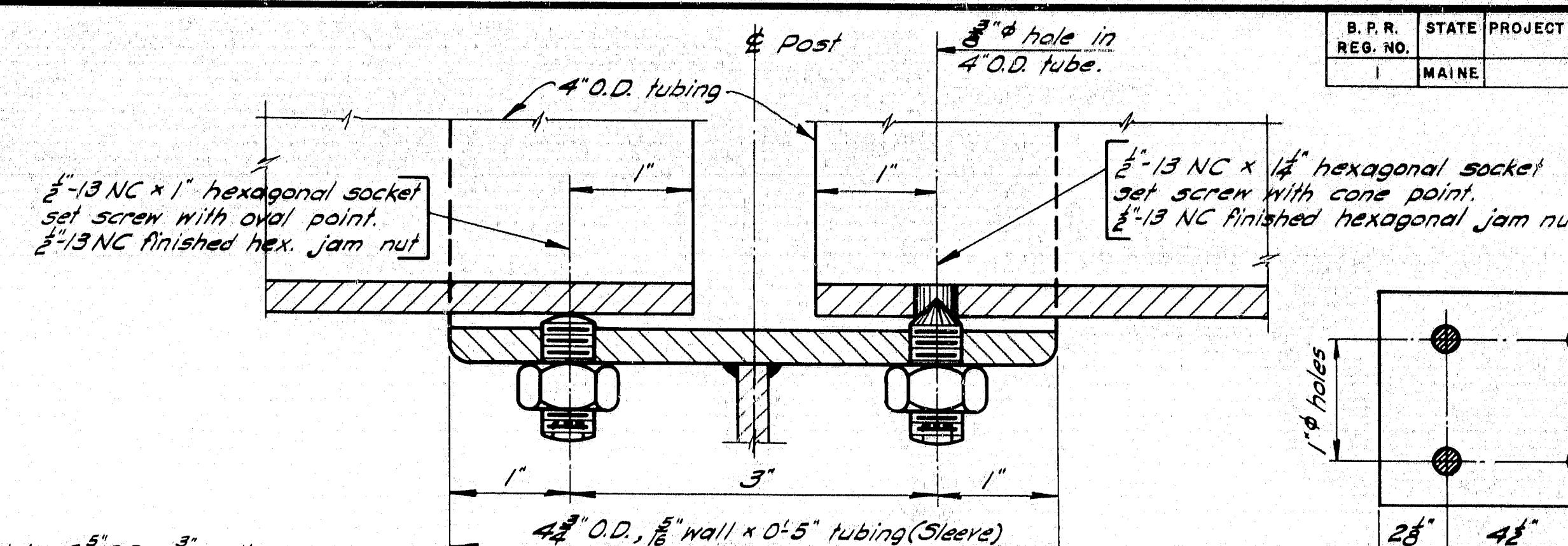
RAIL POST

4" O.D. tubing to be continuous for a minimum of two rail panels. For tubing two or more panels long the cone point set screw to be tight in the hole provided in 4" O.D. tubing. At all other posts one oval point set screw per post shall be set to bear. Where tubes are not continuous thru posts leave 1" gap at the center of post.

CAP



ALTERNATE CAP

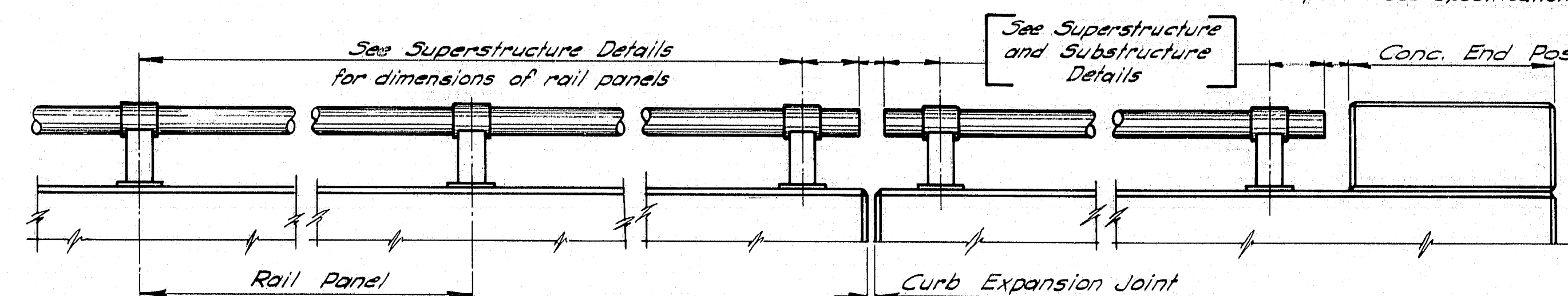


DETAIL "A"

Drill and tap sleeve 1/2" NC (2-holes). Drill 4" O.D. tubing (Rail) 3/8" hole, 1" from one end only.

PAD

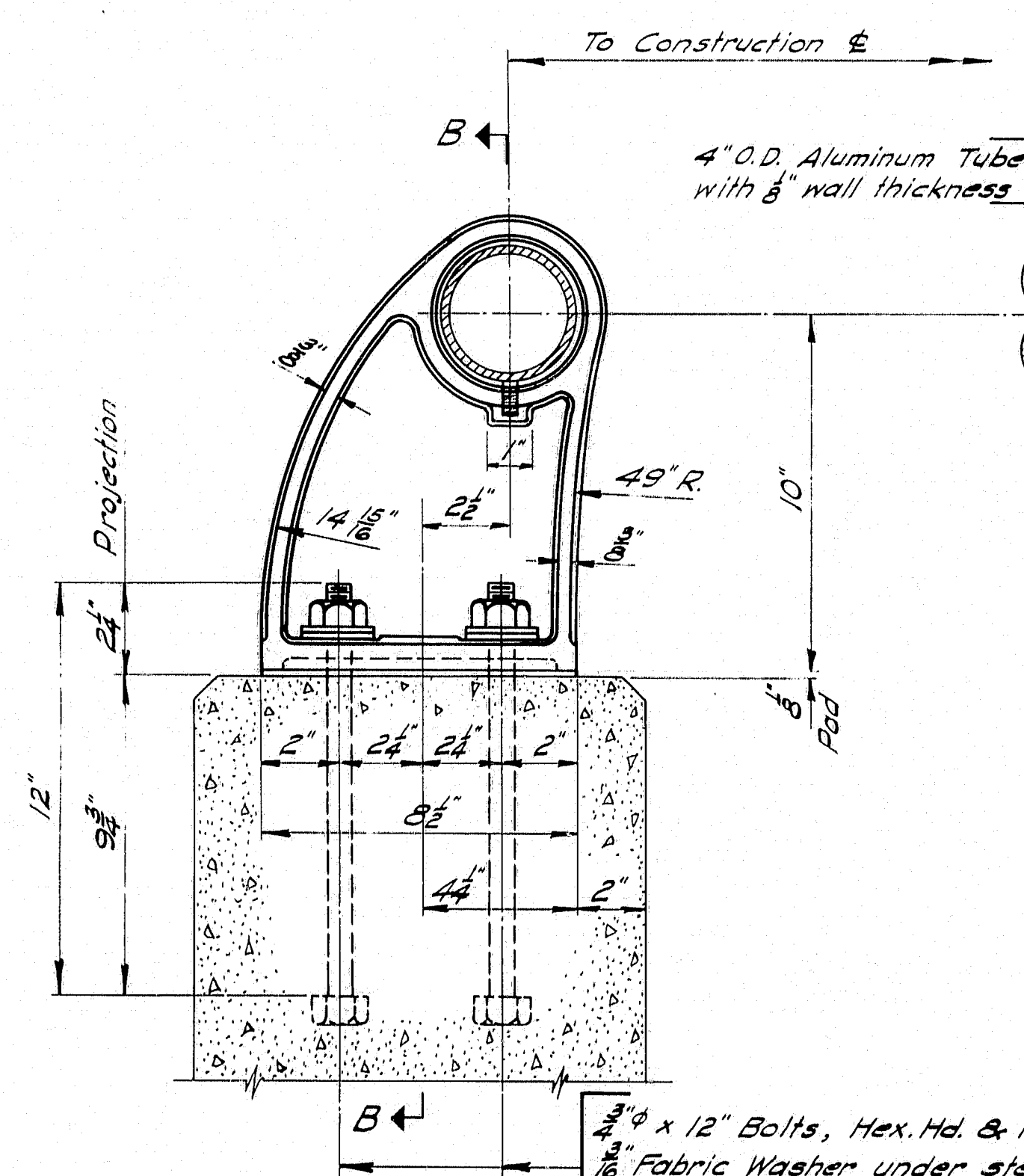
At least one pad shall be placed under each post, and the number of pads supplied shall be 10% in excess of total number of posts. See Specifications for material.



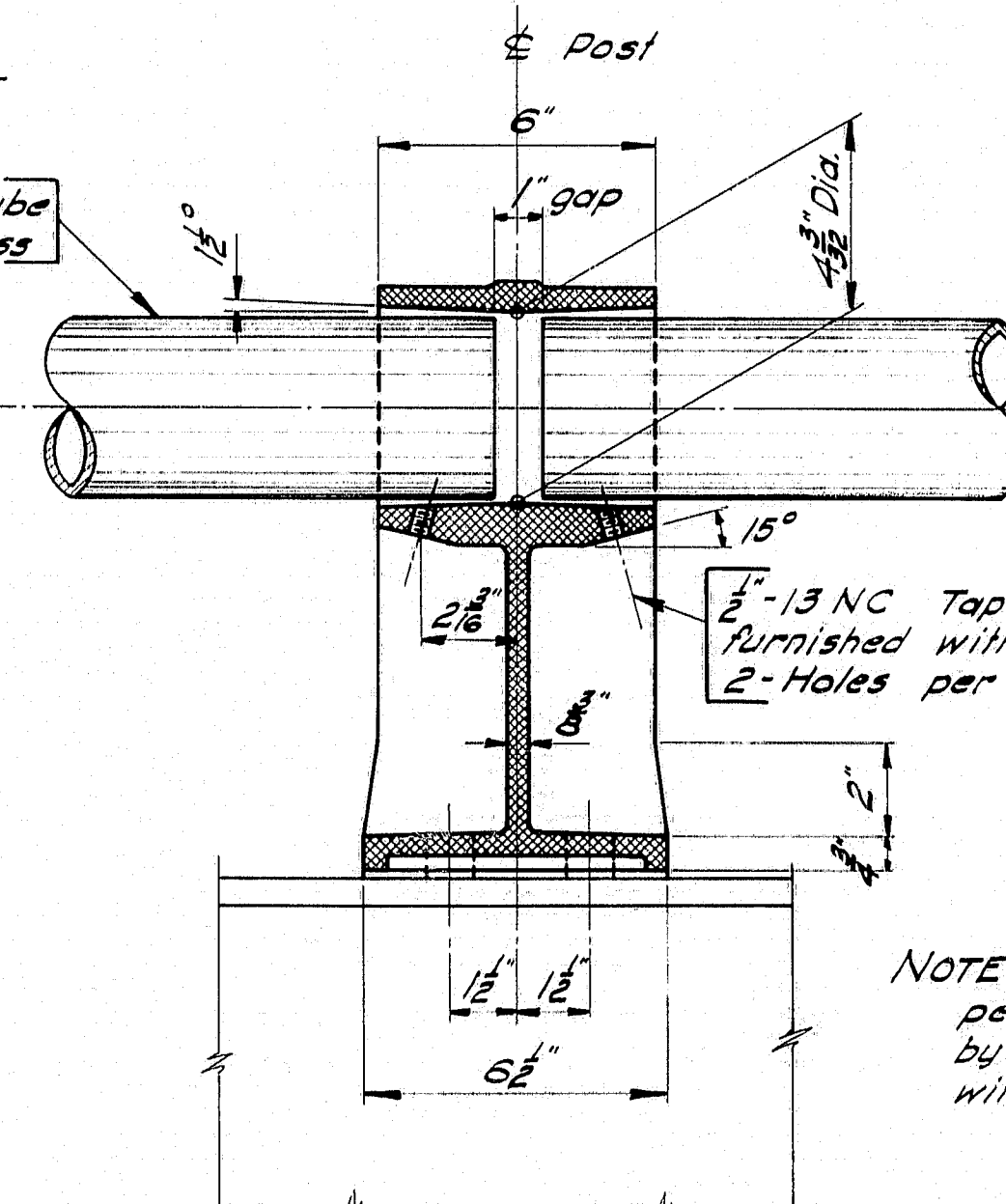
SIDE ELEVATION - RAIL

NOTE: 4" O.D. Tubing, Posts, Bolts, Nuts & Washers to be galvanized.

ONE BAR RAIL - STEEL



RAIL POST

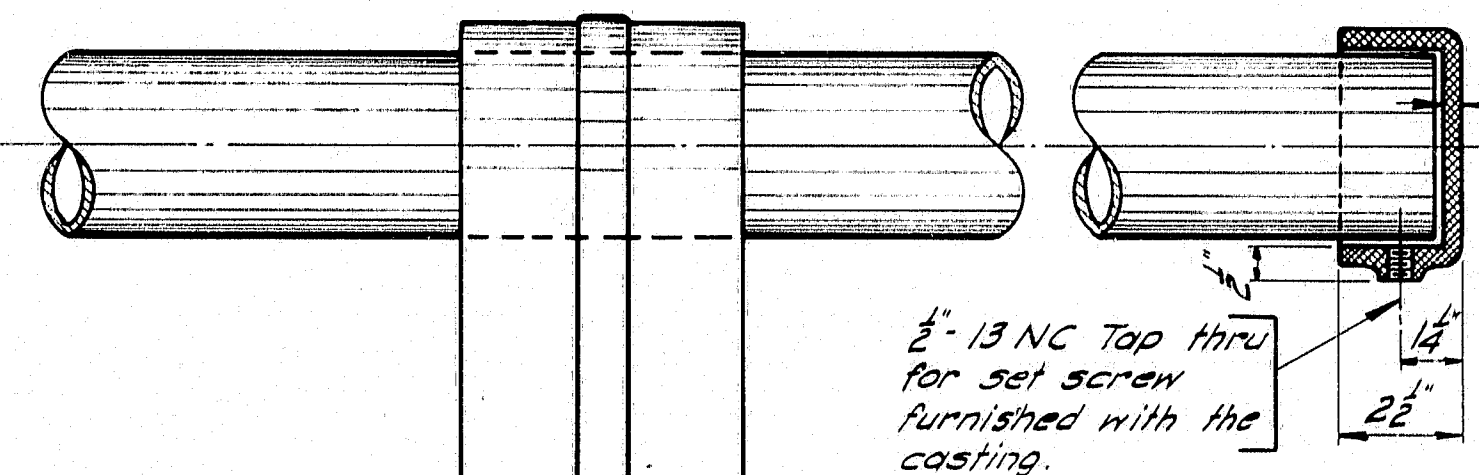


SECTION B-B

1/2" x 12" Bolts, Hex. Hd. & Nut.
1/8" Fabric Washer under steel washer.
2" O.D., #9 ga. Washer with 1/8" hole.
4-Bolts per post.
1" Holes in post.

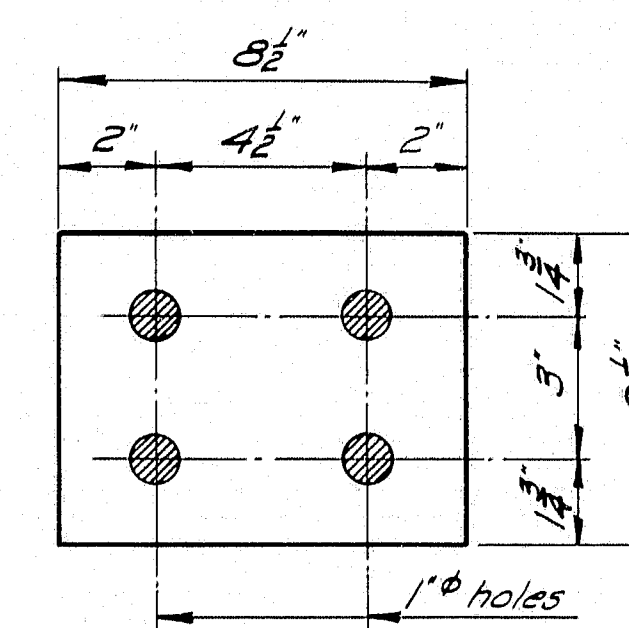
NOTE: Aluminum tubes to be continuous for a minimum of two rail panels. For tubes two or more panels long set screws to be tight at one interior post and to bear at all other posts. Where tubes are not continuous thru posts leave a 1" gap at the center of post.

NOTE: Slight variations will be permitted in details, if approved by the Engineer, in order to conform with various manufacturers castings.



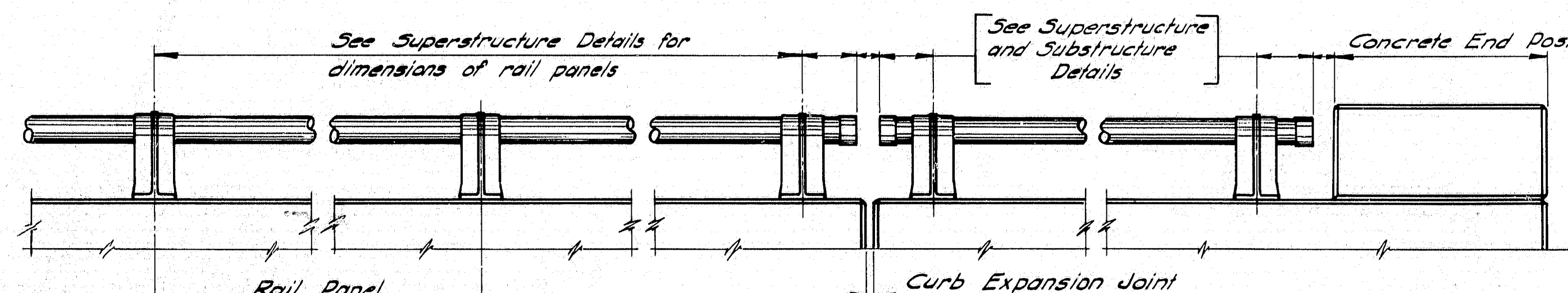
RAIL CAP

FRONT ELEVATION - RAIL POST



PAD

At least one pad shall be placed under each post, and the number of pads supplied shall be 10% in excess of total number of posts. See Specifications for material.



SIDE ELEVATION - RAIL

ONE BAR RAIL - ALUMINUM

GENERAL NOTES

RAIL ON CURVE

If the curve radius is more than 150 feet and is less than 2700 feet, the rail tube is to be straight and one panel length only, unless otherwise called for in the design details. For curves with a radius less than 150 feet see design details. For curves with a radius more than 2700 feet rail details shall be as shown on this sheet.

Design details govern if there is conflict between dimensions shown in design details and the standards.

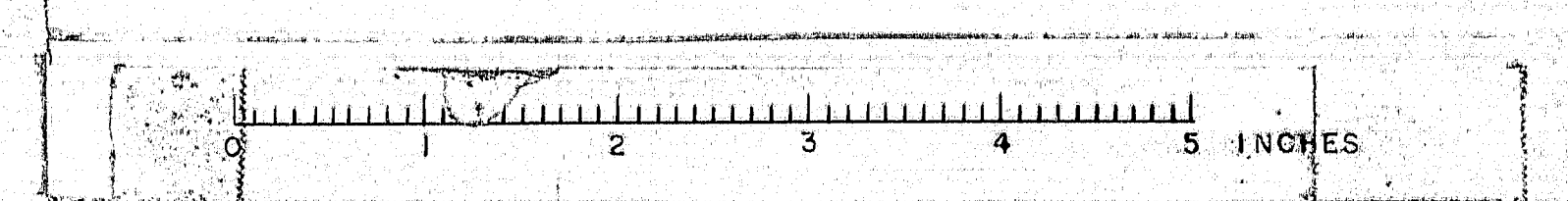
MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

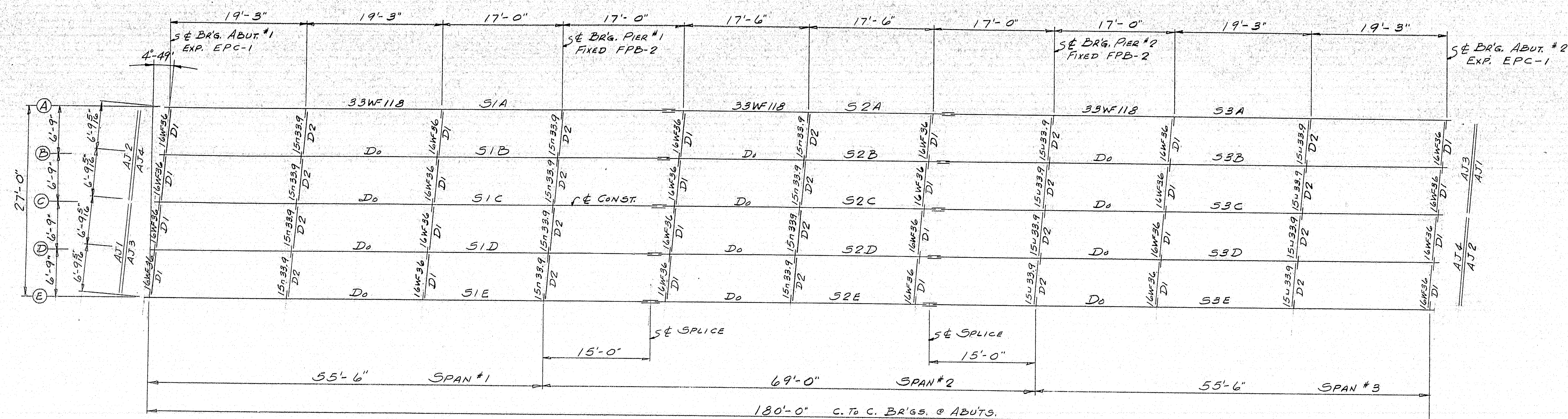
STANDARD DETAILS
(BD 102-62)
BRIDGE RAIL

ONE BAR RAIL - STEEL
ONE BAR RAIL - ALUMINUM

NOV. 1962

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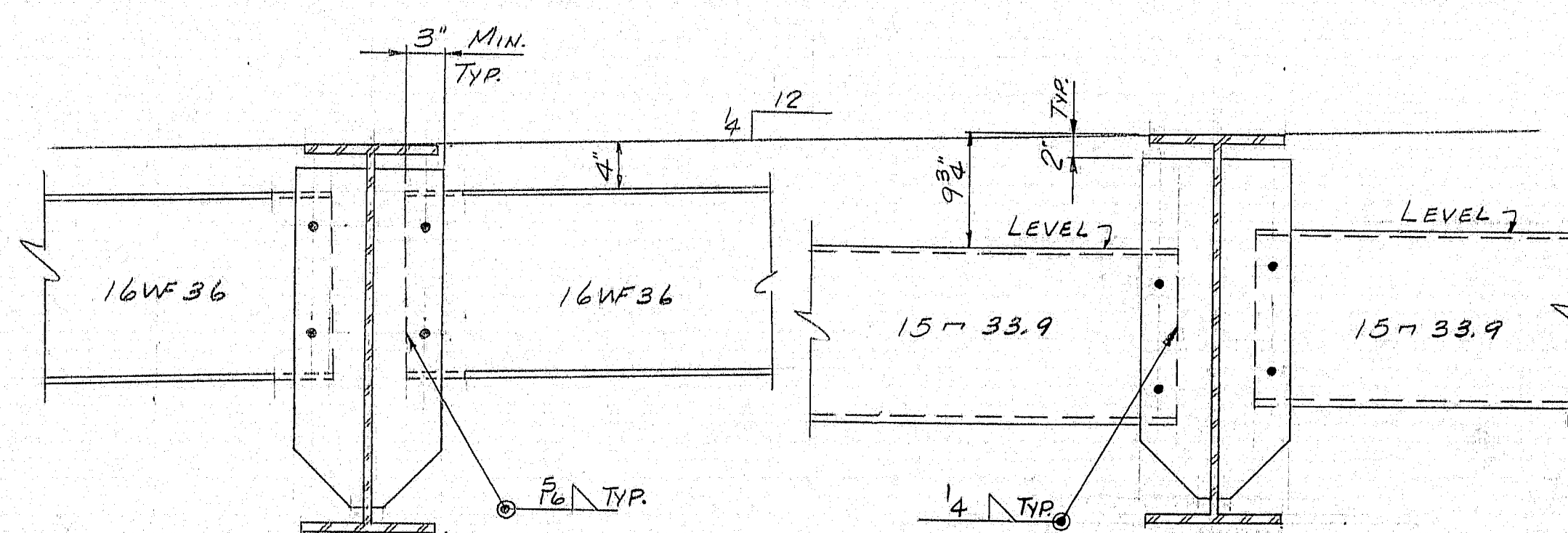
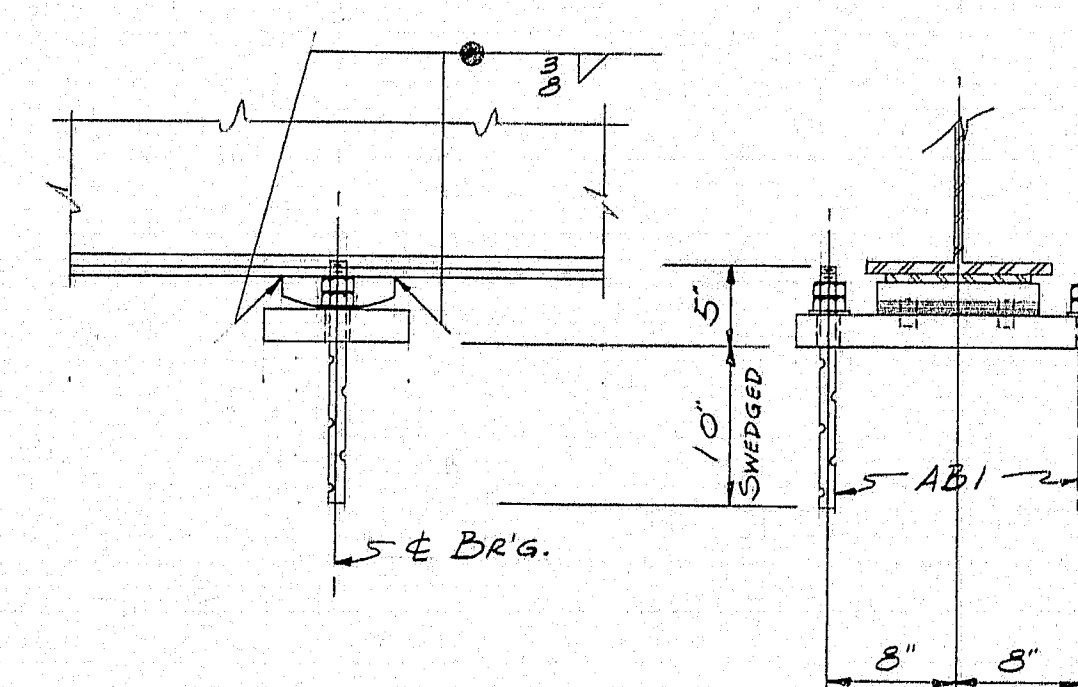
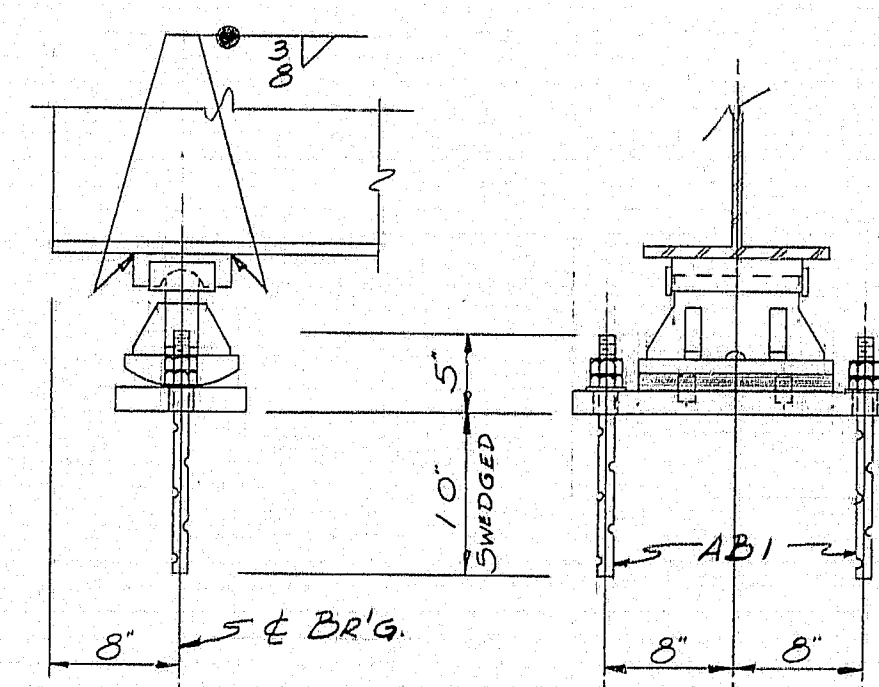
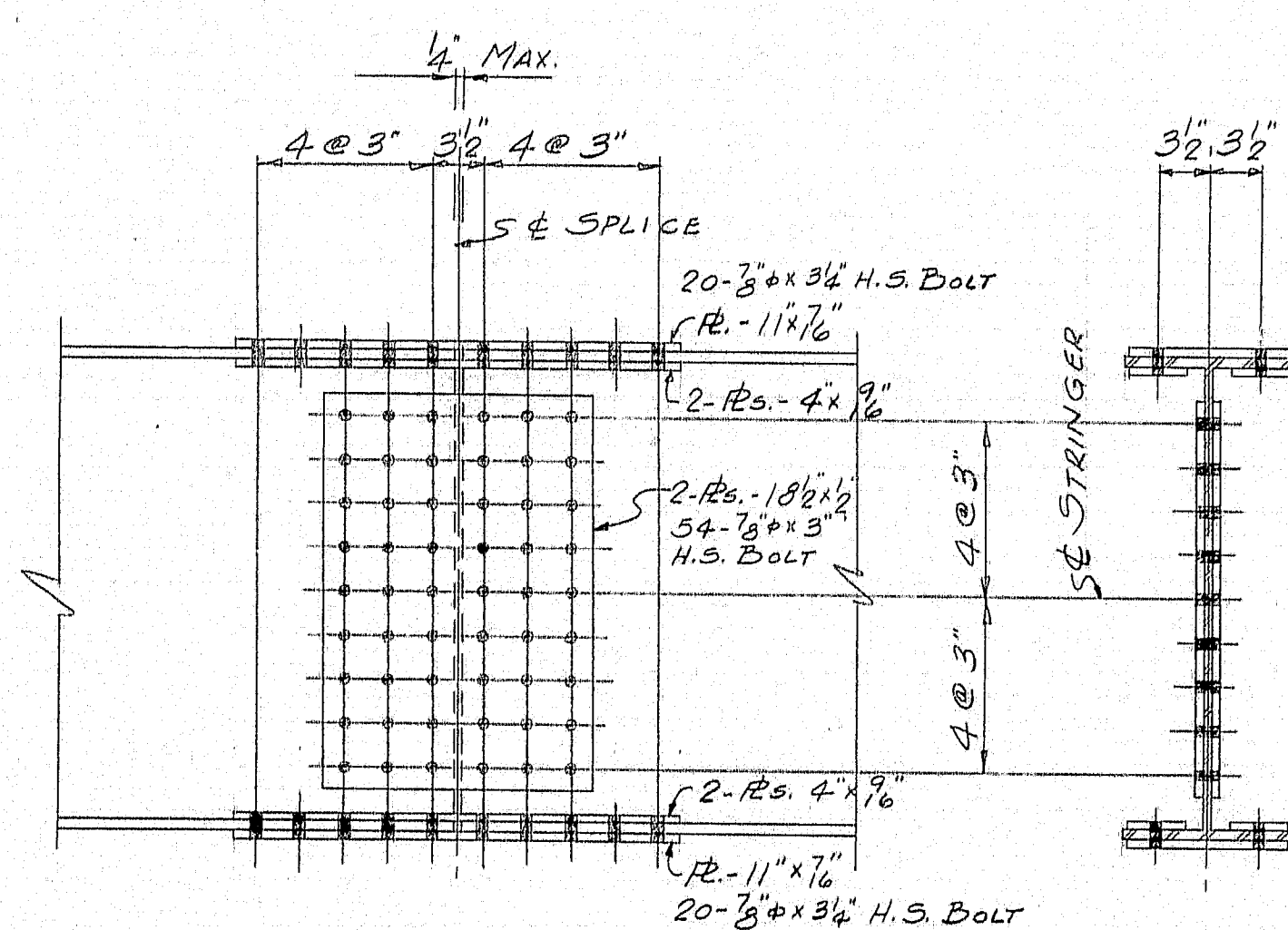


NOTES

STEEL FOR STRINGERS, COVER PLATES, SPLICE PLATES, & BEARINGS SHALL BE ASTM A36. ALL OTHER STEEL TO BE ASTM A36 OR A7.

BOLTS FOR SPLICES SHALL BE ASTM A325, 3" HEX HEAVY
STRUCT. BOLTS W/HEAVY SEMI-FINISHED HEX NUTS & ON
HARDENED ROUND WASHER.

HOLES IN STRINGERS ARE FOR H.S. BOLTS. THEY ARE TO BE FREE FROM BURRS. THERE SHALL BE NO PAIN WITHIN 3" OF SUCH OPEN HOLES. SUB PUNCH OR DRILL 1/2" & REAM ASSEMBLED (NO TEMPLATES) PARTS TO 1/2" & OR DRILL FROM SOLID FOR FIELD CONNECTION. MATCHMARK ALL CONNECTING PARTS BEFORE DISASSEMBLING. SUPPLY ENGINEER WITH A DIAGRAM OF MATCHMARKS. SET STRINGERS TO SLOPE DIAGRAM DRWG. B64-45-E2, BEFORE DRILLING & REAMING.



3" H.S. BOLT & E70 LOW
SHOP CONNECTIONS: HYDROGEN ROD UNLESS NOTED
FIELD CONNECTIONS: 3" H.S. BOLT & WELD
HOLES: 1 5/8" ϕ
PAINT: STATE OF MAINE SPEC'S.

FIELD CONNECTIONS: 3" H. S. BOLT & WELD
HOLES: 1 1/2" ϕ

PAINT: STATE OF MAINE SPEC'S

APP'D. 4-7-64

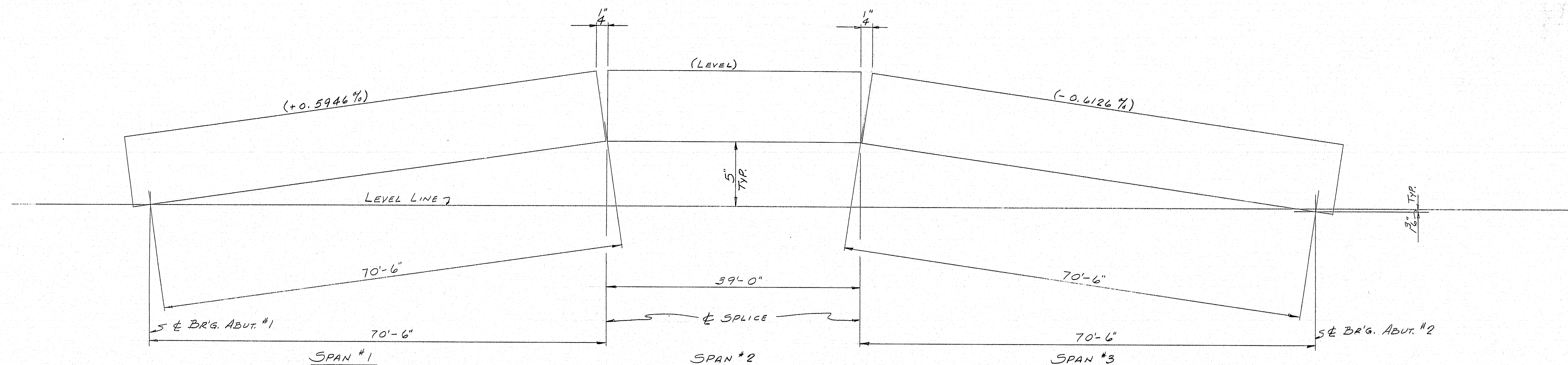
FRAMING PLAN & DETAILS

PRINT ISSUE		<i>Bancroft & Martin Rolling Mills Company</i> <i>Brewer, Maine</i> ALTON ROAD BRIDGE ARGYLE, MAINE
2	S.H.C. 4-13-64	
3	DIST. 4-10-64	
1	SHOP 4-10-64	
2	F.A. 4-6-64	CUSTOMER REED & REED DESIGNER STATE HIGHWAY COMM.
2	F.A. 4-2-64	
DRAWN	3-30-64 R.A.M.	
REVISION		ORDER <u>VERBAL</u> DWG. <u>B64-45-E1</u>
REVISION		
REVISION		

CUSTOMER REED & REED
DESIGNER STATE HIGHWAY COMM.

DESIGNER STATE HIGHWAY COMM.

ORDER <u>VERBAL</u>	DWG. <u>B64-45-6</u>
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STRINGER DIAGRAM FOR SPLICING

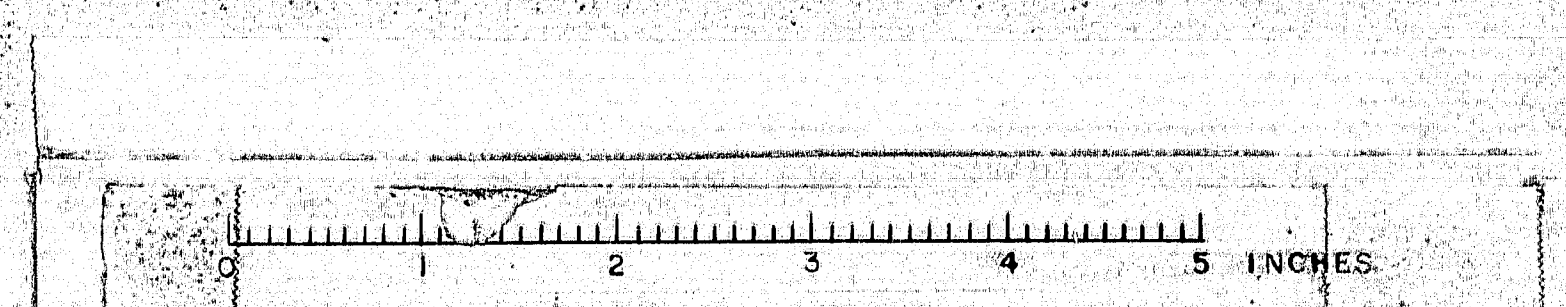
SHOP CONNECTIONS:
FIELD CONNECTIONS:
HOLES:
PAINT:

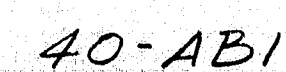
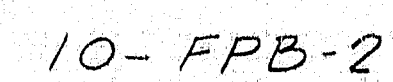
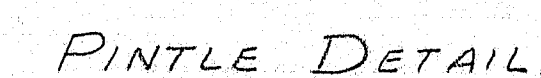
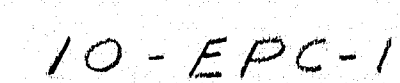
APP'D. AS NOTED 4-7-64

STRINGER DIAGRAM FOR SPLICING

PRINT ISSUE		Bancroft & Martin Rolling Mills Company Brewer, Maine
NO.	DATE	
2	S.H.C. 4-13-64	ALTON ROAD BRIDGE ARGYLE, MAINE
3	DIST. 4-10-64	
1	SHOP 4-10-64	CUSTOMER REED & REED DESIGNER STATE HIGHWAY COMM.
2	F.A. 4-2-64	
DRAWN	3-31-64 R.A.M.	ORDER VERBAL DWG. B64-45-E2
REVISION		
REVISION		
REVISION		

93-180

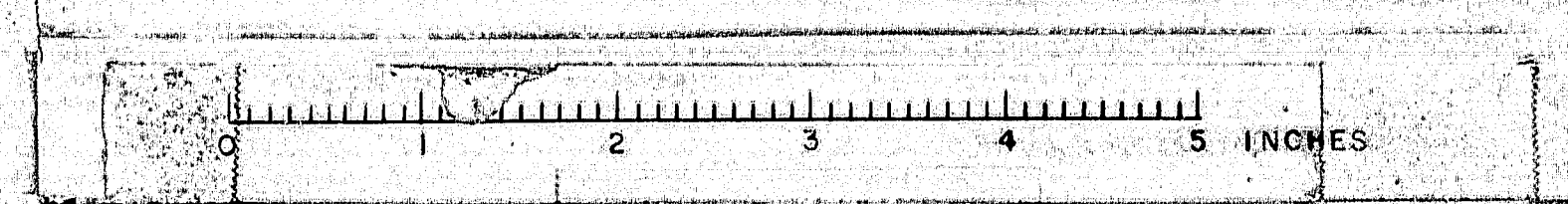


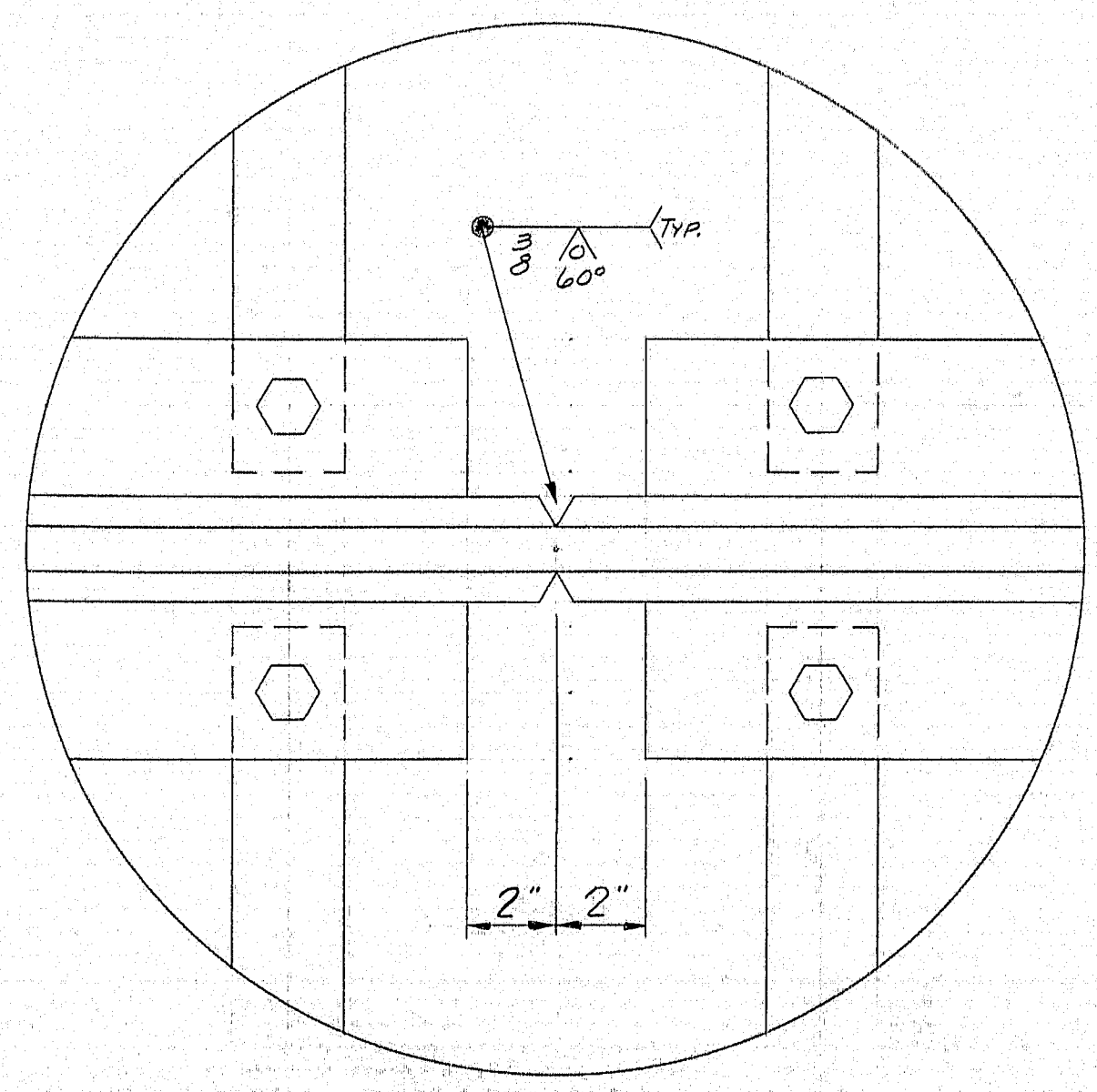
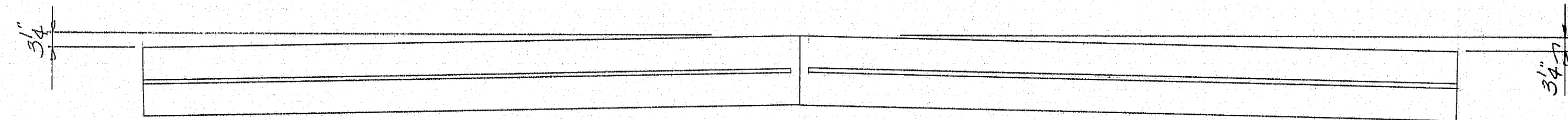
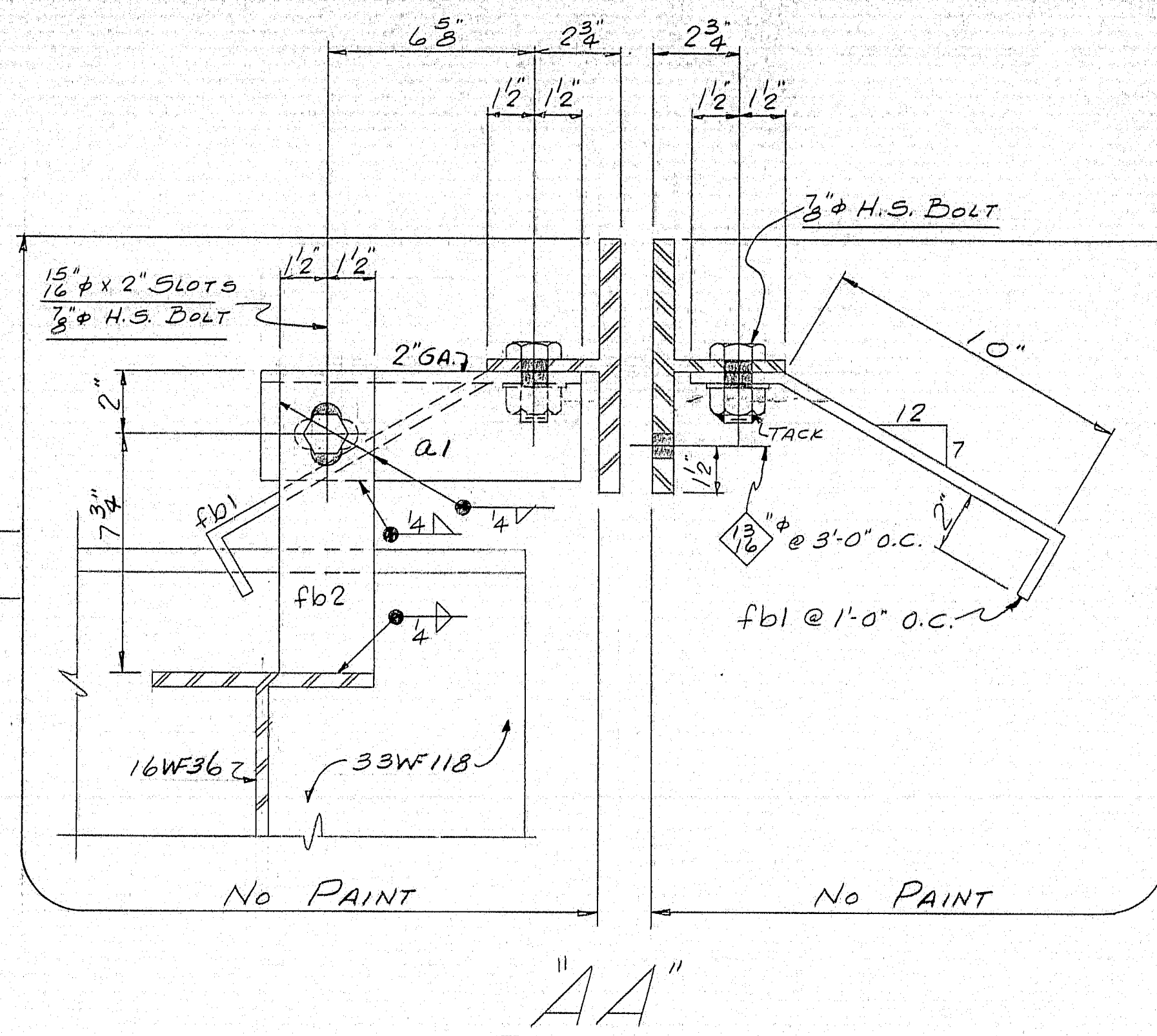
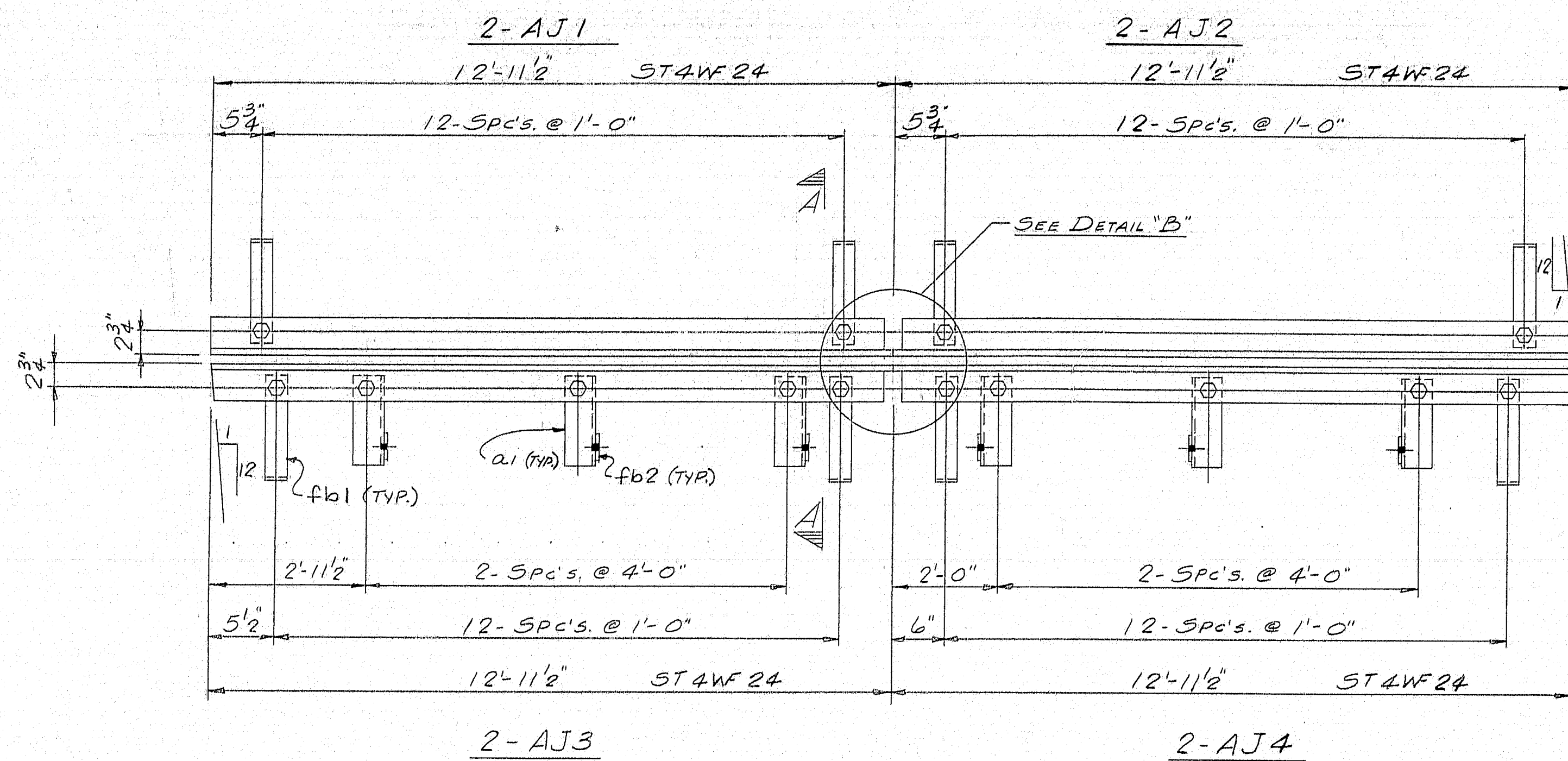


ETO LOW HYDROGEN ELECTRODE
SHOP CONNECTIONS: & PREHEAT 2" THK. MAT TO 50°F
FIELD CONNECTIONS: 3" H. S. BOLT & WELD
HOLES: 1 3/8"
PAINT: STATE OF MAINE SPEC'S.

APP'D. AS NOTED 4-7-64

BEARINGS				
PRINT ISSUE				
			<i>Bancroft & Martin Inc.</i> <i>Brewer, Maine</i>	
2	S.H.C.	4-13-64	ALTON ROAD BRIDGE ARGYLE, MAINE	
3	Dist.	4-10-64		
4	Reg. 3402	4-10-64		
2	F.A.	4-2-64		
DRAWN	4-1-64 R.A.M.		CUSTOMER <u>REED & REED</u>	
REVISION			DESIGNER <u>STATE HIGHWAY COMM.</u>	
REVISION				
REVISION			ORDER <u>VERBAL</u> DWG. <u>64-45-B1</u>	





DETAIL "B"

SHIP		BILL OF MATERIAL				DWG. B64-45-52
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
AJ1	2		ST4WF24	12' 11 1/2"		A7 or A36
AJ2	2		Do	12' 11 1/2"		
AJ3	2		Do	12' 11 1/2"		
AJ4	2		Do	12' 11 1/2"		
	12	a1	4-3/2 x 3/2 x 3/8	0 104		
	104	fb1	BAR-2 1/2 x 3/8	1 3		BENT
	12	fb2	BAR-3 x 3/8	0 9 3/4		
	128	SHOP 3/8" BOLT		0 24		HEAVY NUTS A325
	128	Do 3/8" WASHER				A325

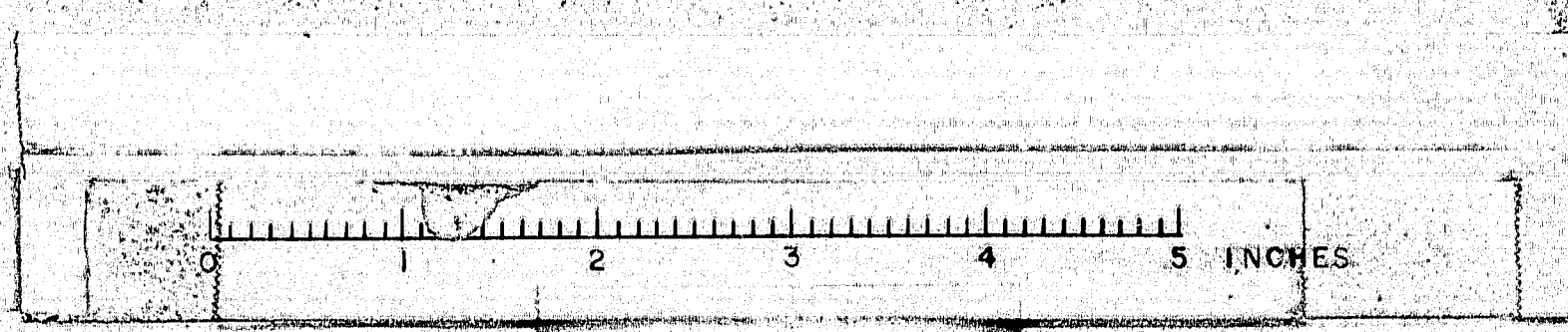
SHOP CONNECTIONS: 3/8" H.S. BOLT
FIELD CONNECTIONS: WELD
HOLES: 1 1/2" x U.N.
PAINT: STATE OF MAINE SPEC'S.

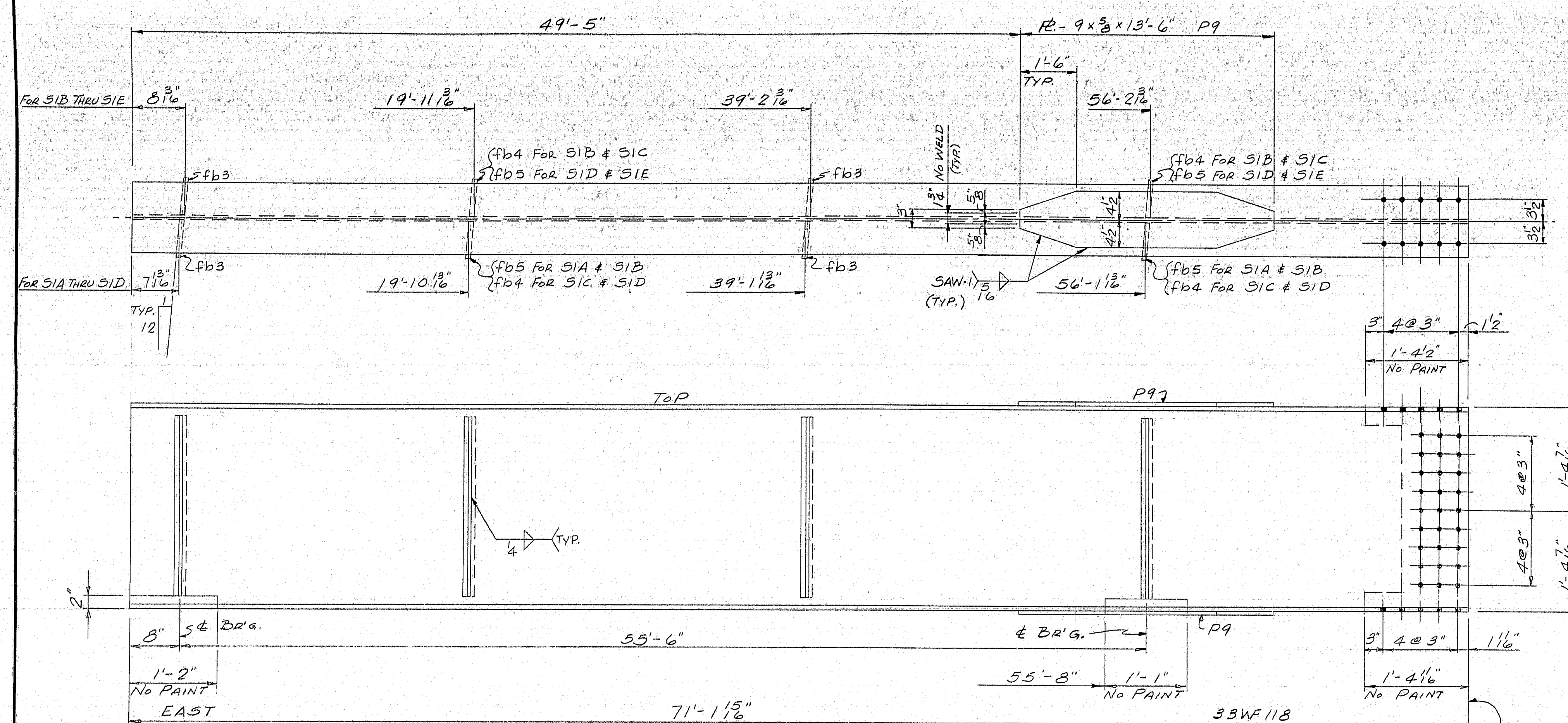
APP'D. AS NOTED 4-7-64

ARMORED JOINTS

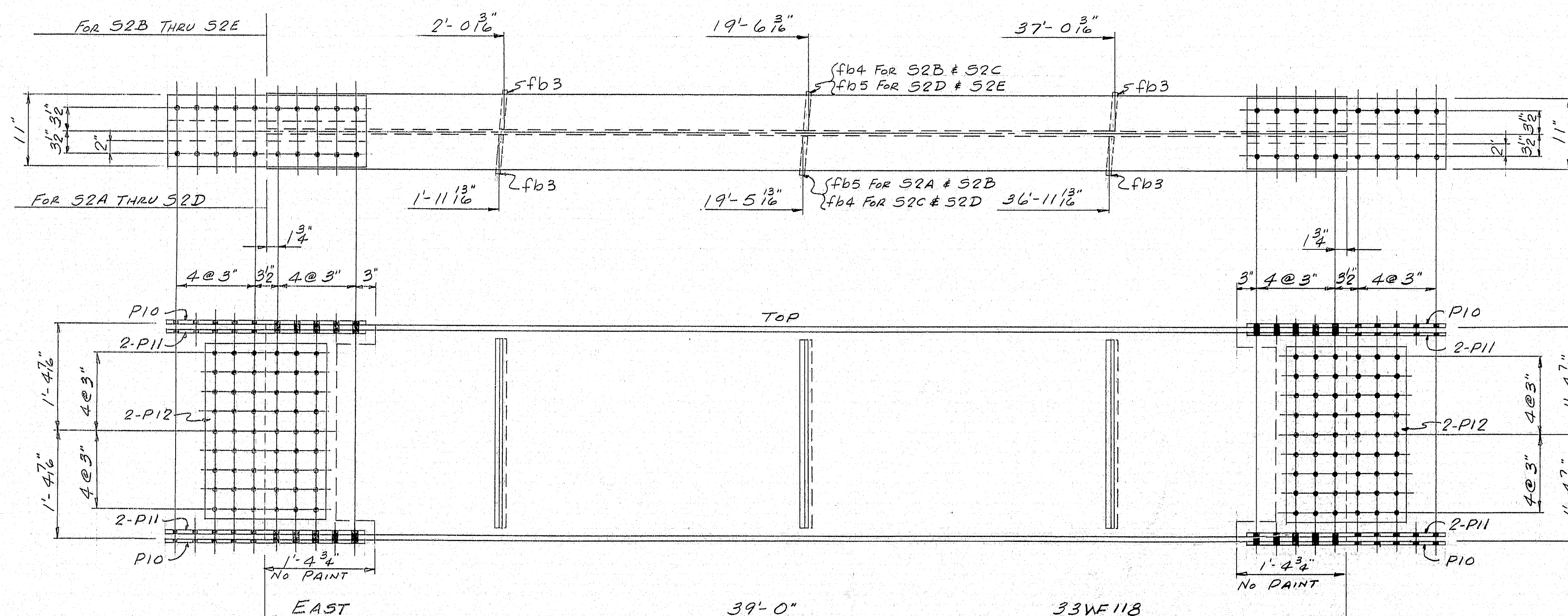
PRINT ISSUE		Bancroft & Martin Inc. Brewer, Maine	
2	S.H.C. 4-13-64	ALTON ROAD BRIDGE ARGYLE, MAINE	
3	DIST. 4-10-64		
5	SHOP 4-10-64		
2	F.A. 4-2-64		
DRAWN	4-1-64 R.A.M.	CUSTOMER REED & REED	
REVISION		DESIGNER STATE HIGHWAY COMM.	
REVISION		ORDER VERBAL	
REVISION		DWG. B64-45-52	

93-102

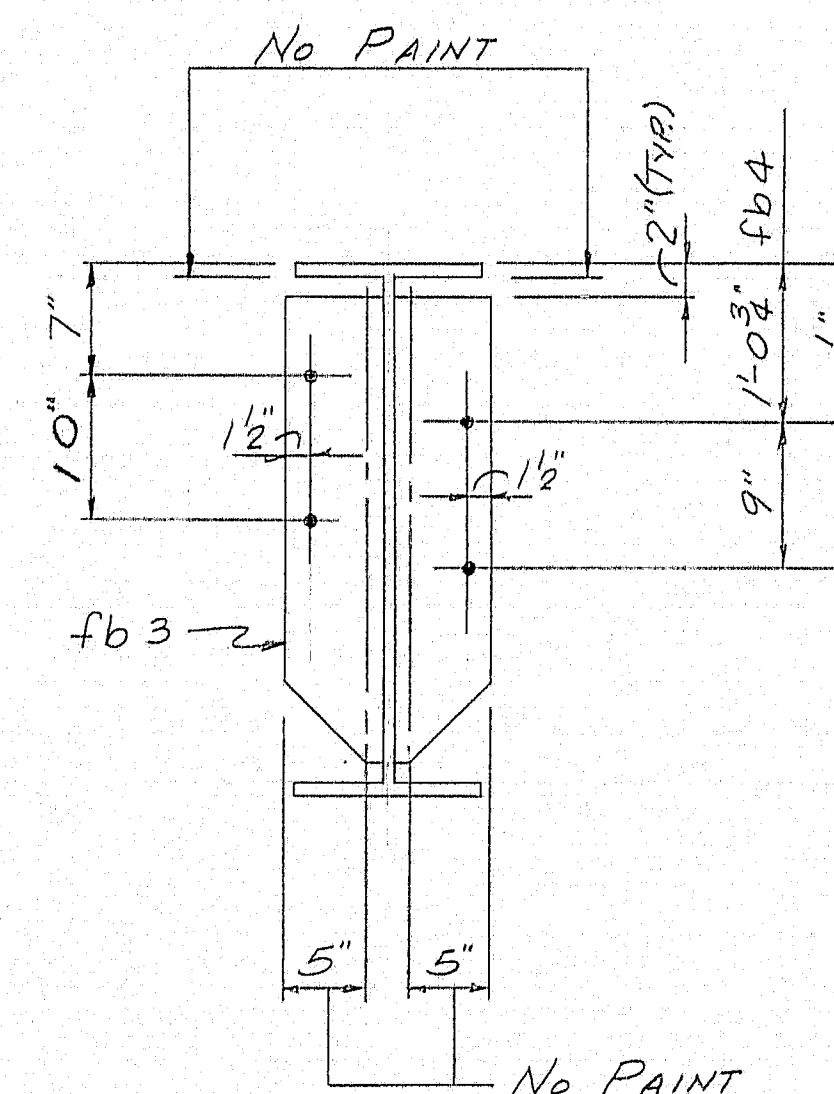




ONE EACH - SIA, SIB, SIC, SID, & SIE



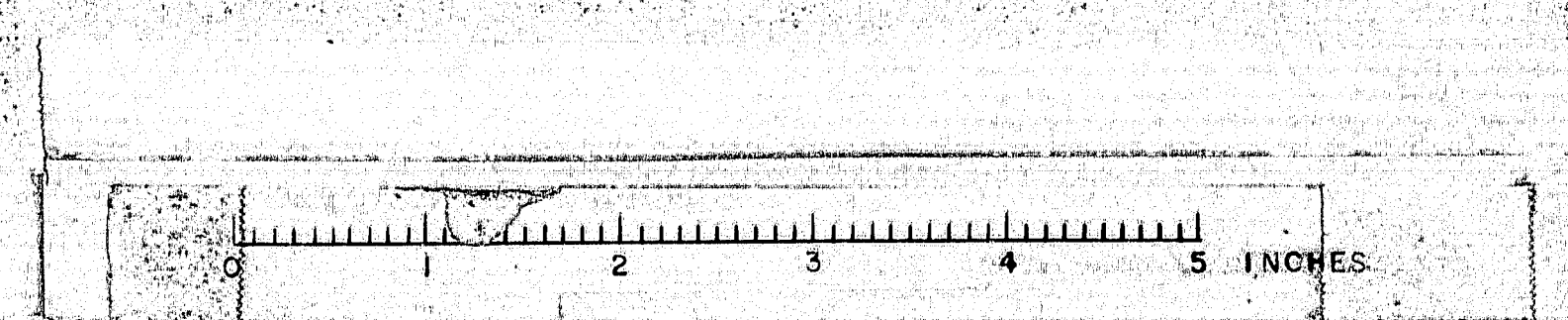
ONE EACH - S2A, S2B, S2C, S2D, & S2E

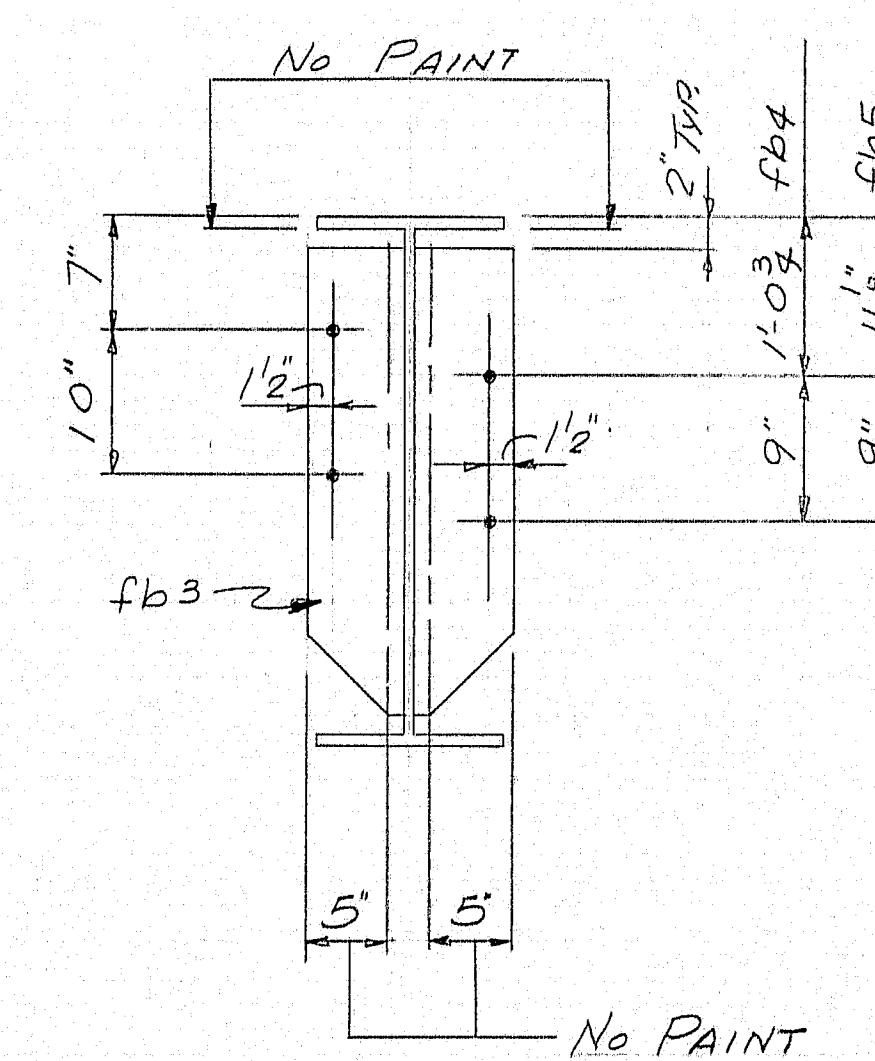
[illegible]

SHOP CONNECTIONS: E70 LOW HYDROGEN ROD
UNLESS NOTED
FIELD CONNECTIONS: WELD # 3" ϕ H.S. BOLT
HOLES: 1 5/8" ϕ
PAINT: STATE OF MAINE SPEC'S.

APP'D. AS NOTED 4-8-64

STRINGERS		SPAN #1 & SPAN #2	
PRINT ISSUE		<i>Bancroft & Martin Inc.</i> <i>Brewer, Maine</i> ALTON ROAD BRIDGE ARGYLE, MAINE	
2	S.H.C.	4-13-64	CUSTOMER <u>REED & REED</u> DESIGNER <u>STATE HIGHWAY COMM.</u>
3	Dist.	4-10-64	
5	Shop	4-10-64	
2	F.A.	4-6-64	
DRAWN	4-2-64	RAM.	
REVISION			ORDER <u>VERBAL</u>
REVISION			
REVISION			
			DWG. <u>B64-45" 53</u>





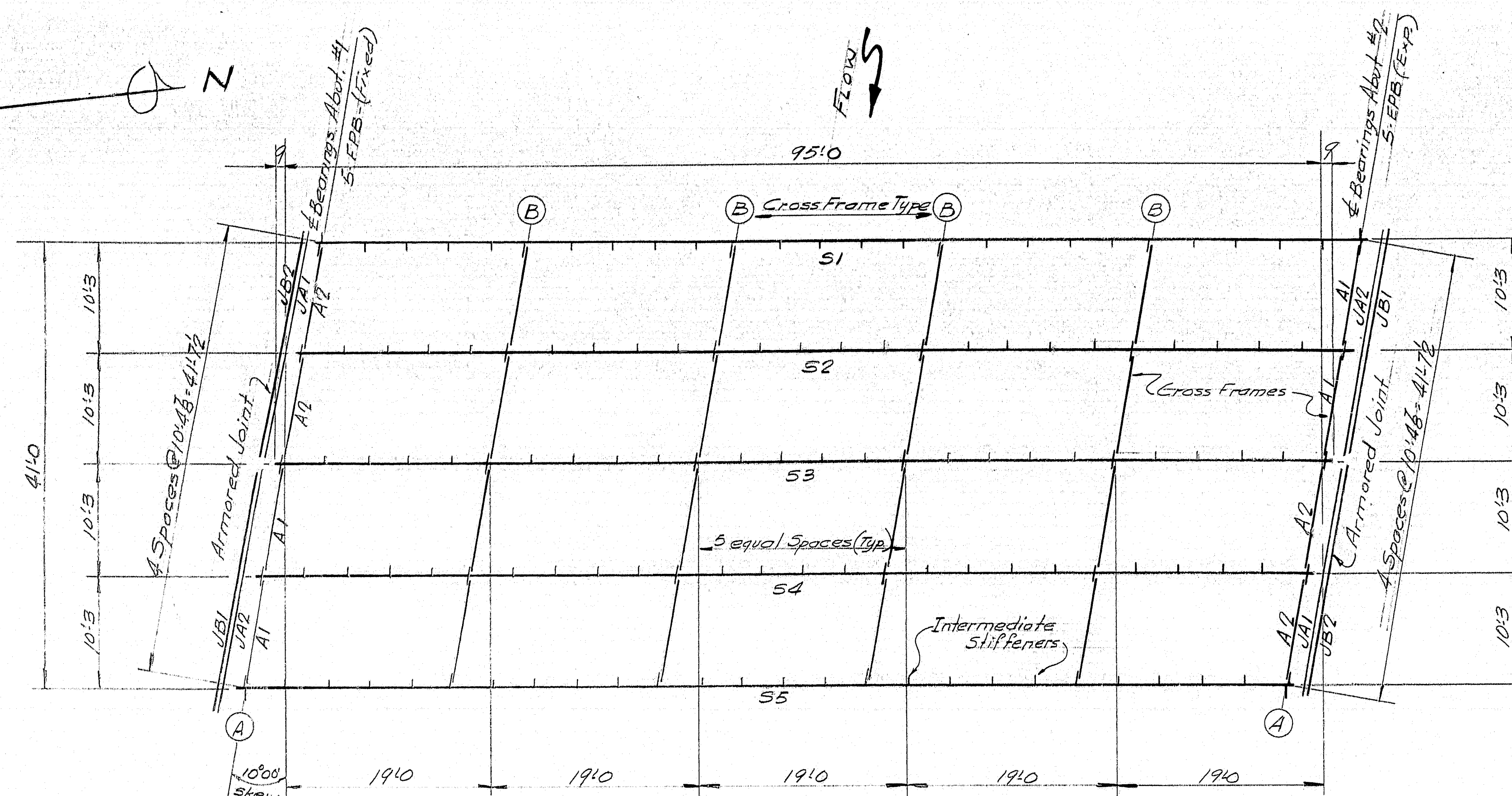
PLACE ANY NATURAL CAMBER DOWN

SHOP CONNECTIONS: E70 LOW HYDROGEN ROD
UNLESS NOTED
FIELD CONNECTIONS: WELD # 3" H.S. BOLT
HOLES: 1 1/2"
PAINT: STATE OF MAINE SPEC'S.

STRINGERS SPAN #3

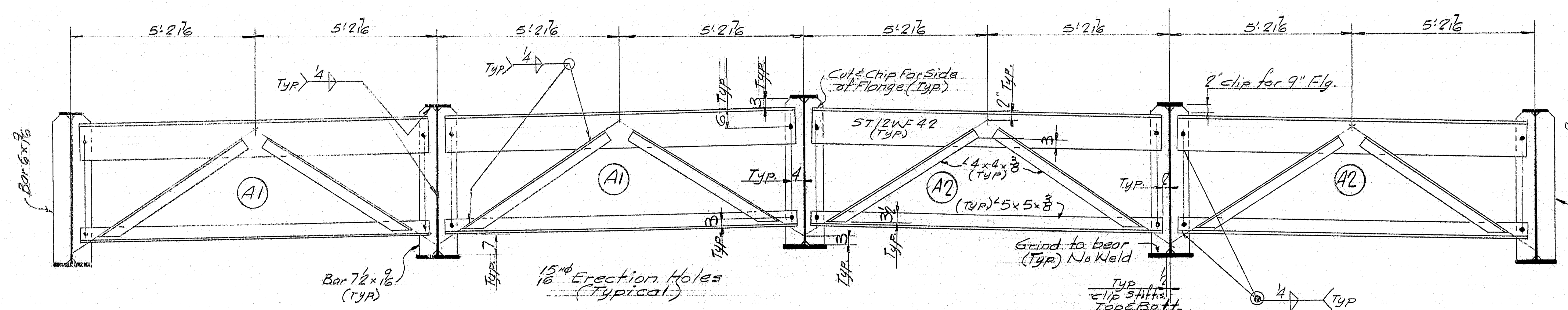
PRINT ISSUE			<i>Bancroft & Martin Inc.</i> <i>Brewer, Maine</i>	
2	G.H.C.	4-13-64	ALTON ROAD BRIDGE ARGYLE, MAINE	
3	DIST.	4-10-64		
5	SHOP	4-10-64		
2	F.A.	4-6-64		
DRAWN <u>4-6-64 RAM.</u>			CUSTOMER <u>REED & REED</u>	
REVISION			DESIGNER <u>STATE HIGHWAY COMM.</u>	
REVISION			ORDER <u>VERBAL</u>	
REVISION			DWG. <u>B64-45-34</u>	

03-154

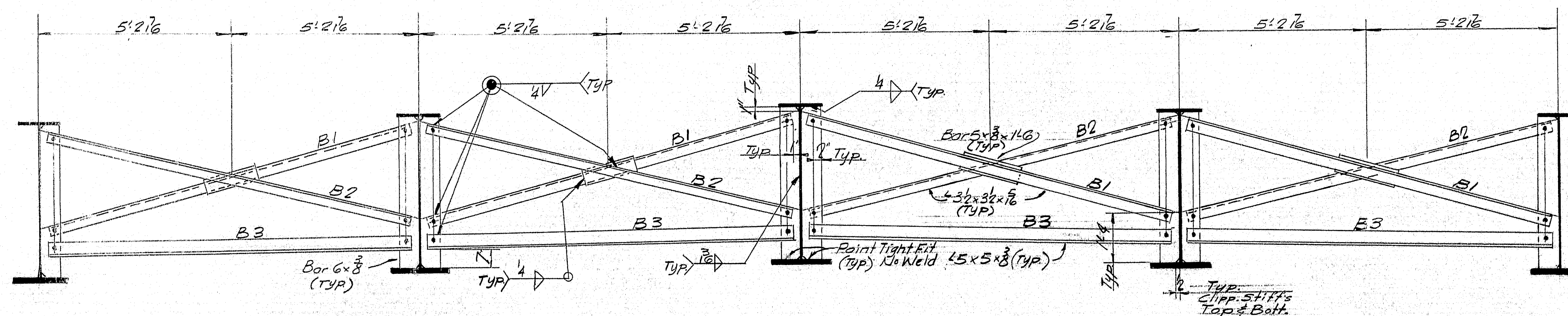


ERECTION DIAGRAM

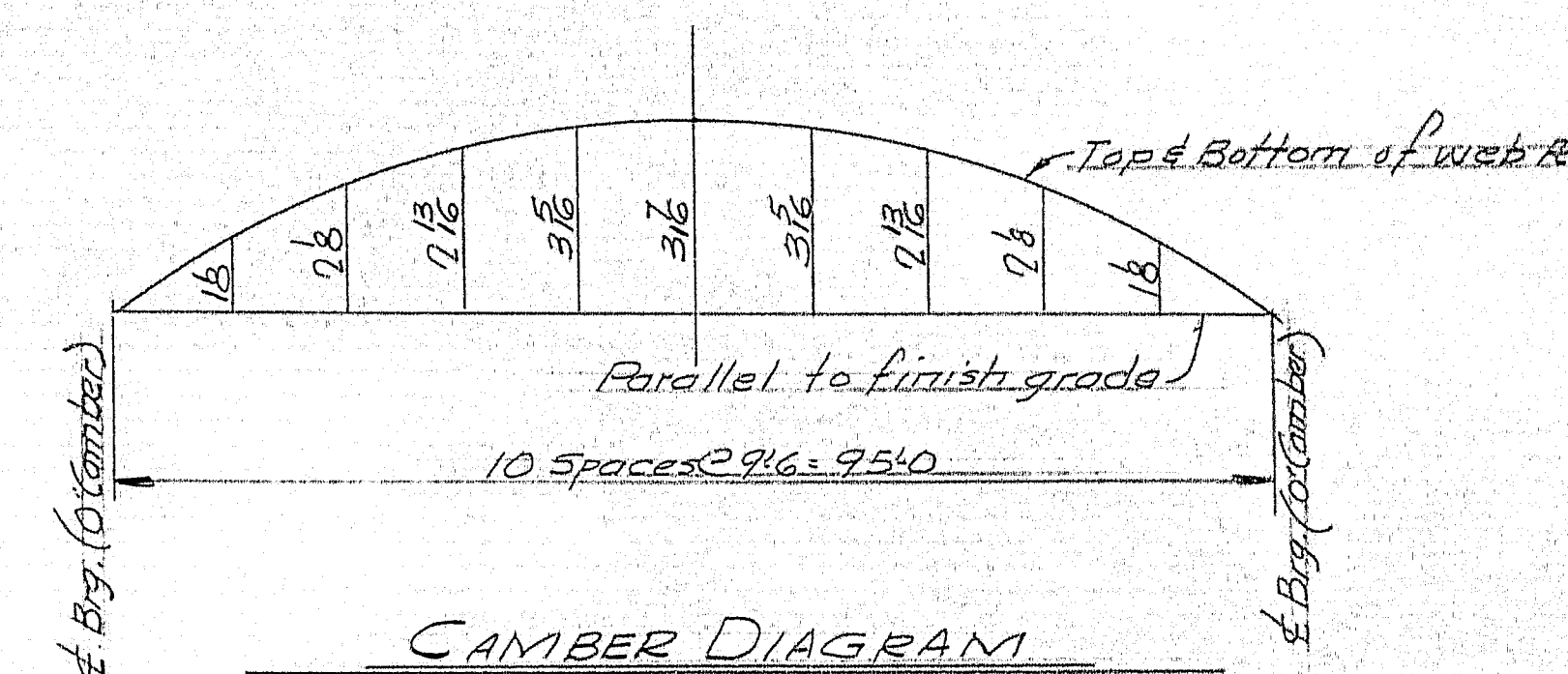
All intermediate stiff's to be 6x8 Bar on one side of stringer, only except @ cross frames, interior stringers.
All stiff's normal to stringer flanges.
Cross frames dimensioned to stiff's.



CROSS FRAMES TYPE A



CROSS FRAMES TYPE B



CAMBER DIAGRAM

Typical all Girders

No allowances shown for shrinkage due to welding.
The ends of girders shall be cut normal to flanges.

GENERAL NOTES

1. Steel for flange R's & web R's: A.S.T.M. Desig. A 441
Steel for stiffeners: A.S.T.M. Desig. A 36
2. Steel for Cross Frames & Armored Joints: A.S.T.M. Desig. A 36 or A 7
3. Stringers to be cambered as detailed
4. Welds for flange R's & web R's butts web to flange fillets & bearing stiffeners to web fillets shall be submerged Arc-Linde Air Prod. Co. Unionmelt 5pp #29 wire, Grade 50 Melt
5. The following non-destructive tests of the welded steel stringers will be required:
 - A- Radiographic testing of shop butt welds.
 - B- Magnetic particle testing of shop welds, girder webs to flanges & bearing stiffeners to webs.
6. For additional information see supplemental specifications & special provisions.
7. Flanges & webs are to be butt welded & inspected in accordance with the above specifications prior to being fillet welded to each other.

Shop Conn: Welded
Field Conn: 3/4" Dia. Bolts - Welded
Paint: Per State of Maine Specs

ERECTION DIAGRAM

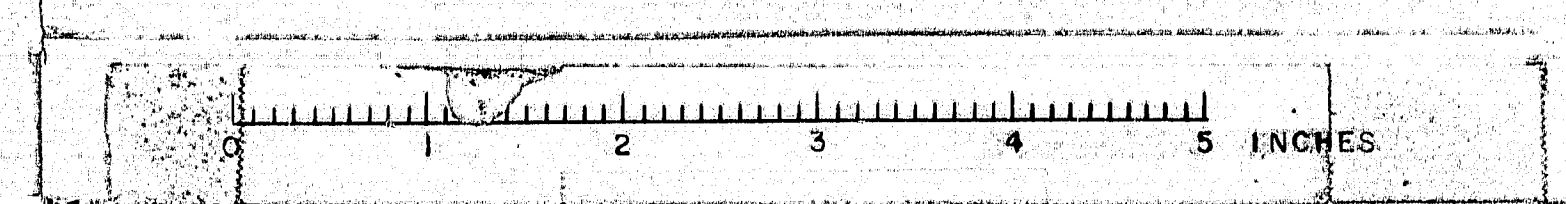
Bancroft & Martin Inc.
South Portland, Maine

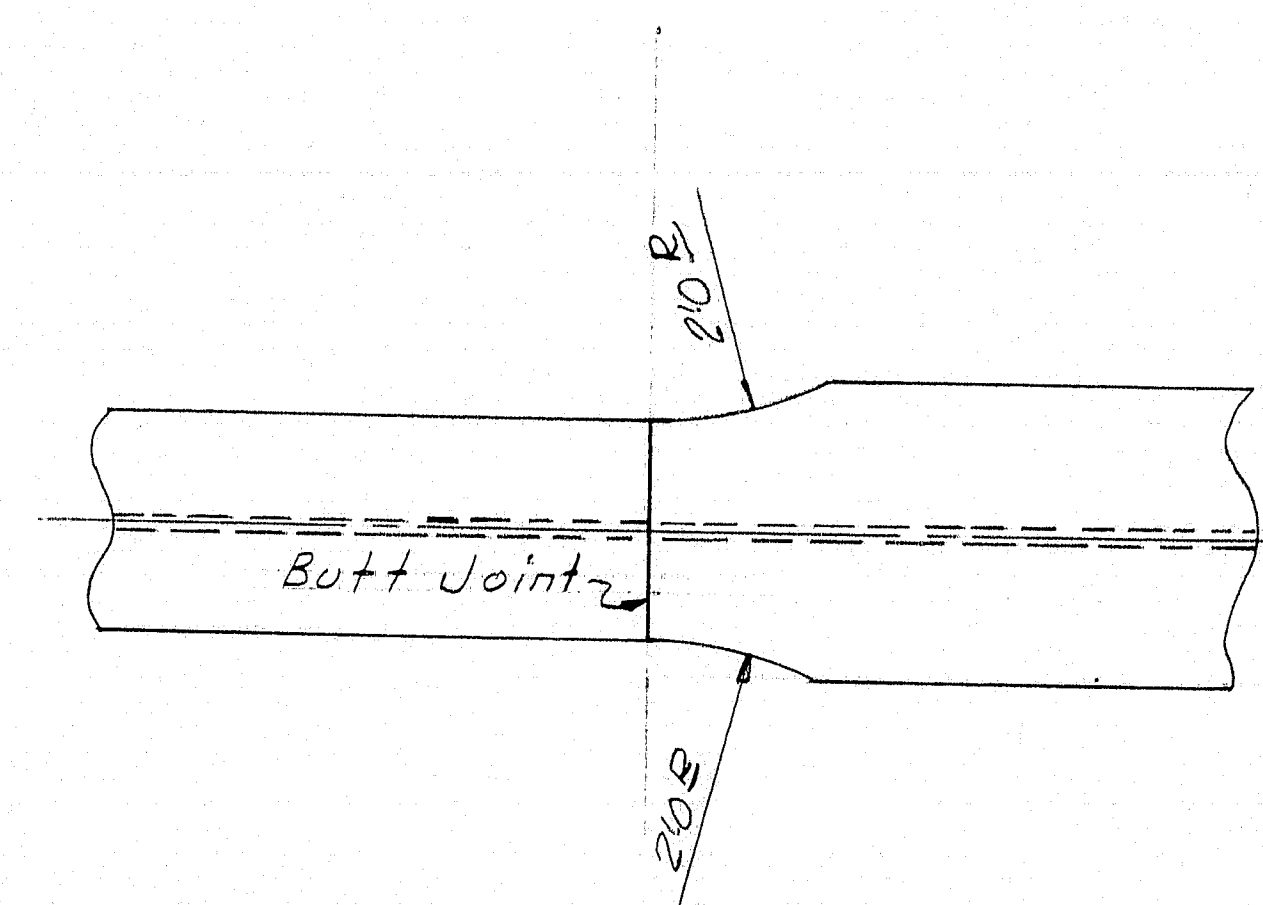
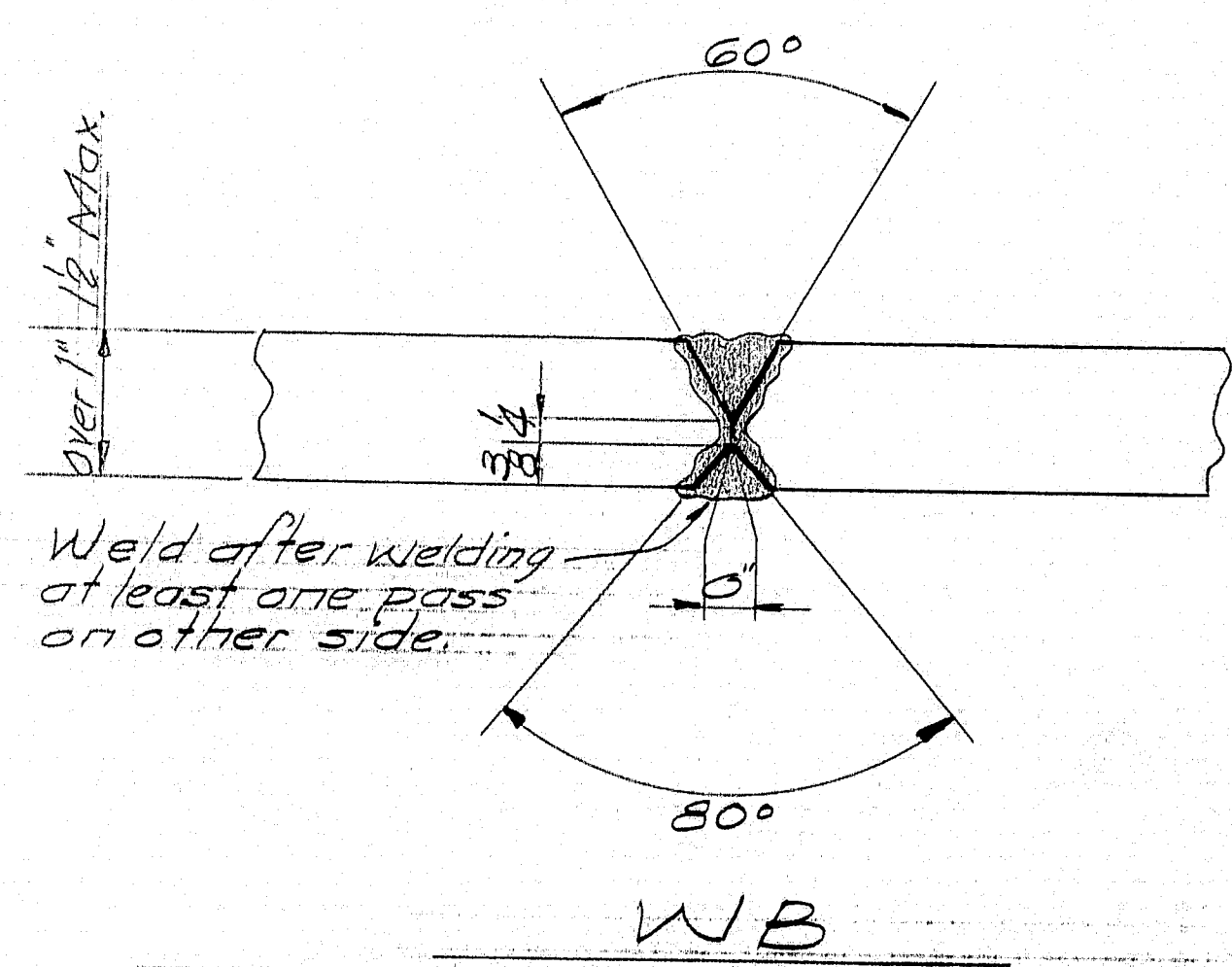
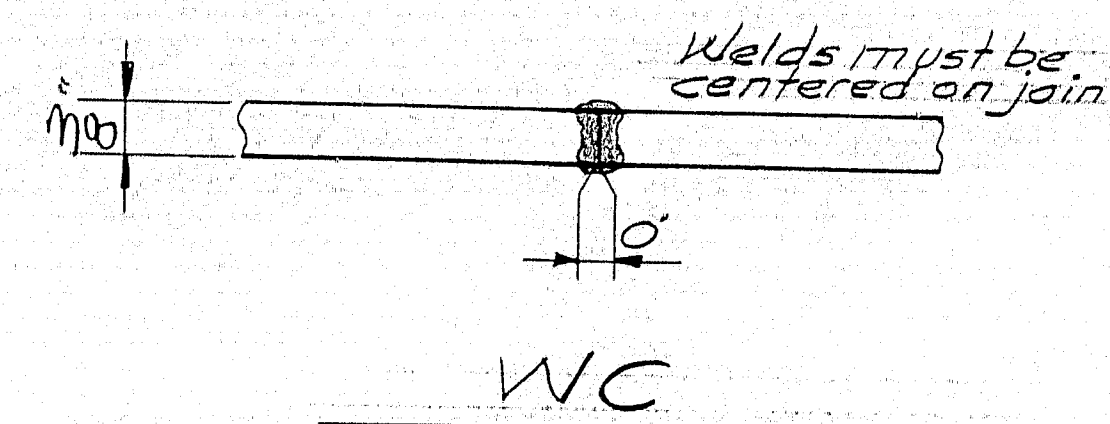
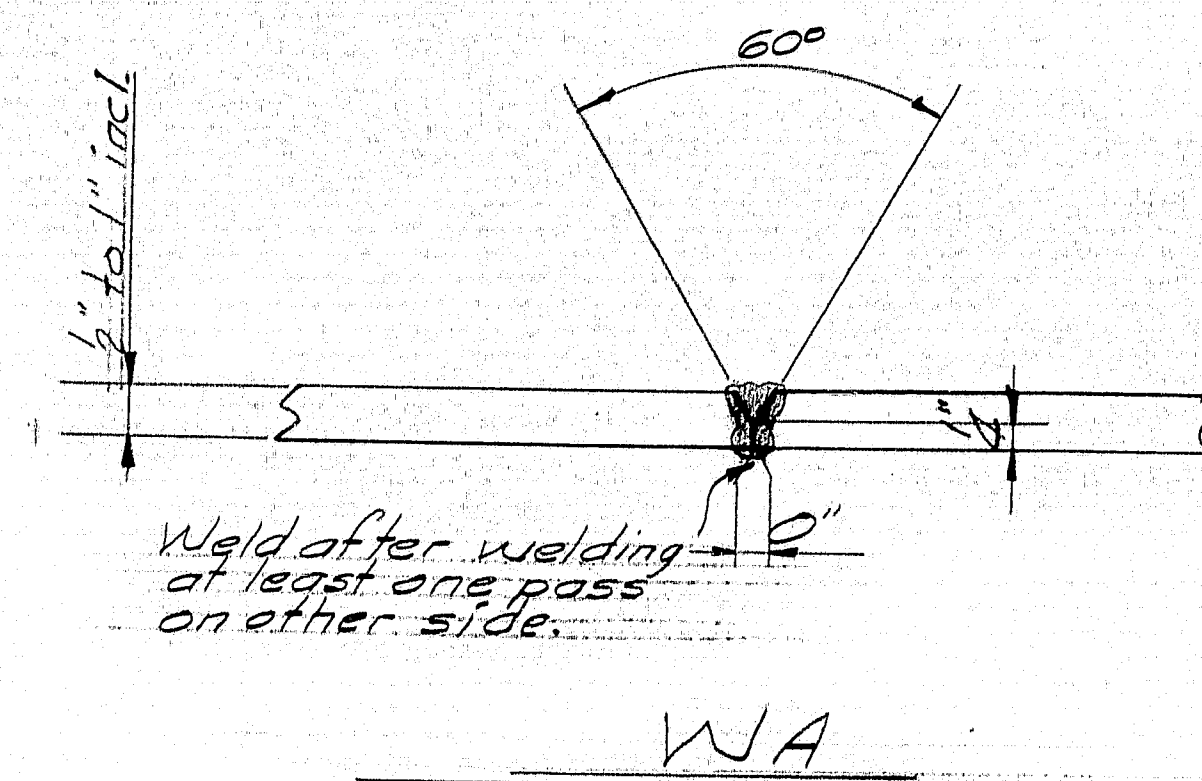
BIRCH STREAM BRIDGE
ALTON-ARGYLE, MAINE

CUSTOMER: REED & REED
DESIGNER: MAINE S.H.C. BRIDGE DIV.
ORDER NO. VERBAL DWG. NO. 63-313-E1

DRAWN	11-7-63	J.R.M.
REVISION		
REVISION		
REVISION		

93-157





FLANGE JOINTS @ WIDTH CHANGE

WELDING NOTES

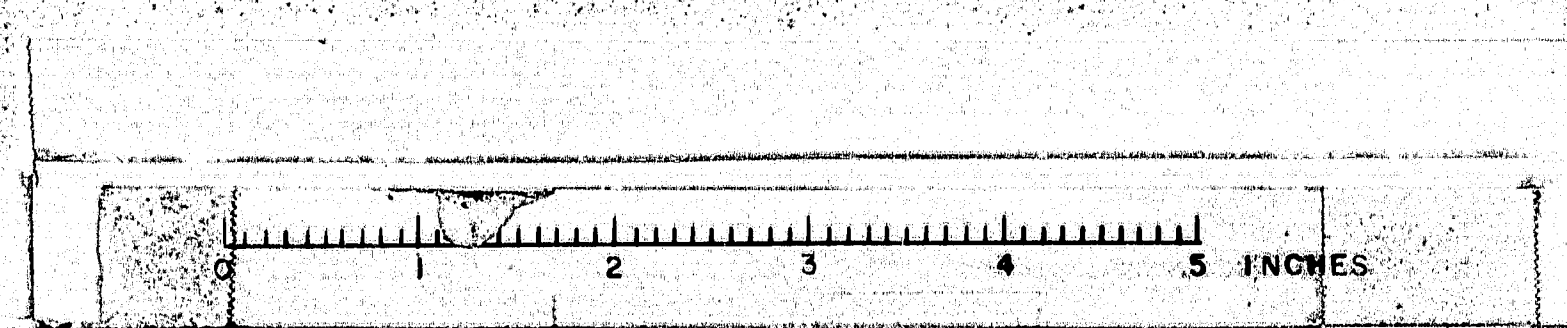
1. Welds for flange plate & web plate butts, web to flange fillets & bearing stiffeners to web fillet shall be Submerged Arc - Linde Air Prod. Co. Unionmelt 5/32" #29 wire Grade-50 Melt (Flux)
2. The following non-destructive tests of welded steel girders will be required.
 - A. Radiographic testing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

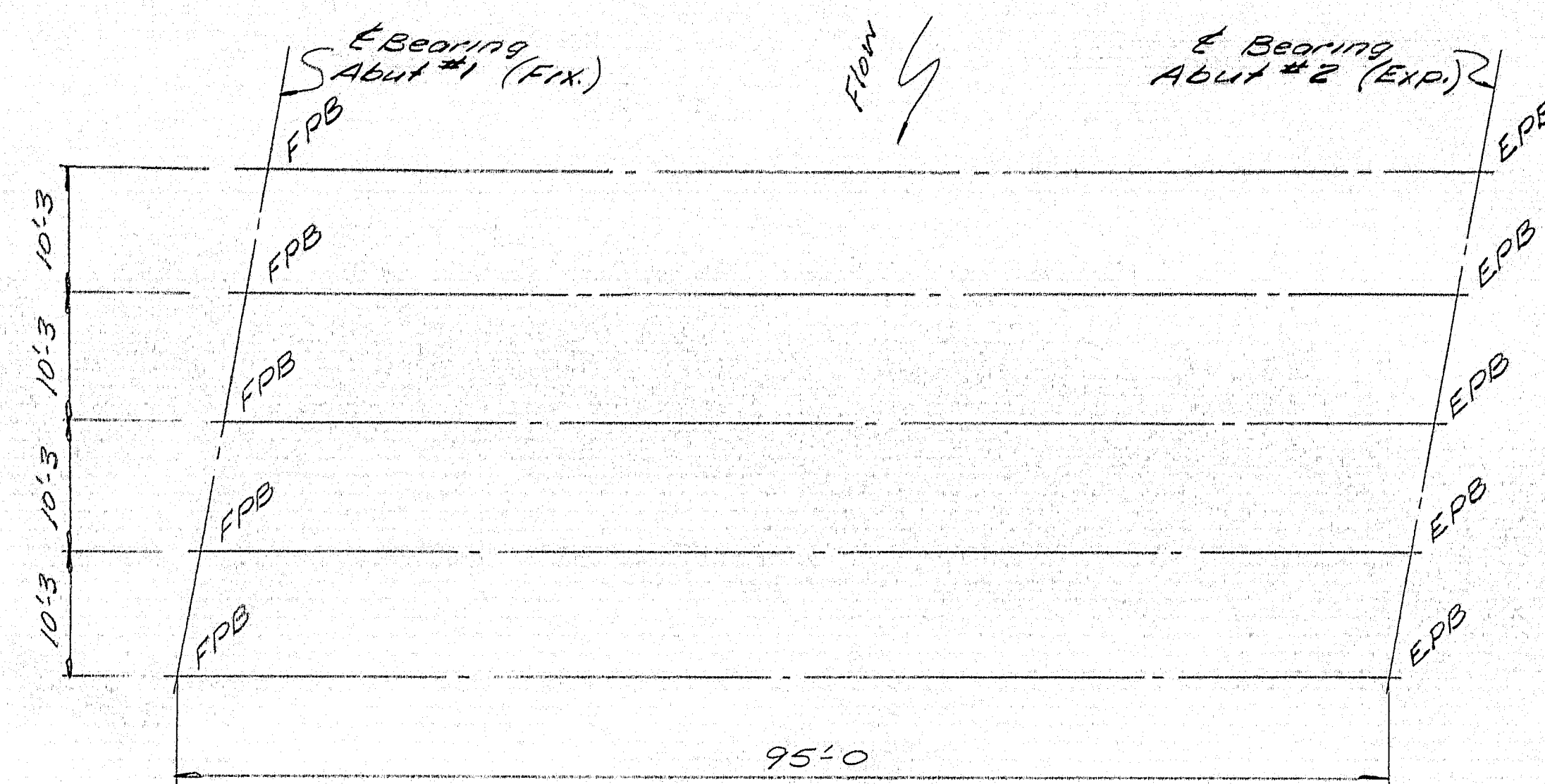
DRAWN	11-14-63	JPF
REVISION		
REVISION		
REVISION		

WELDING DETAILS	
Barcroft & Martin Inc. South Portland 7, Maine	
BIRCH STREAM BRIDGE ALTON-ARROYO, MAINE	
CUSTOMER REED & REED DESIGNER MAINE S.H.C. BRIDGES	
ORDER NO.	DWG. NO. 63-3/3-W1

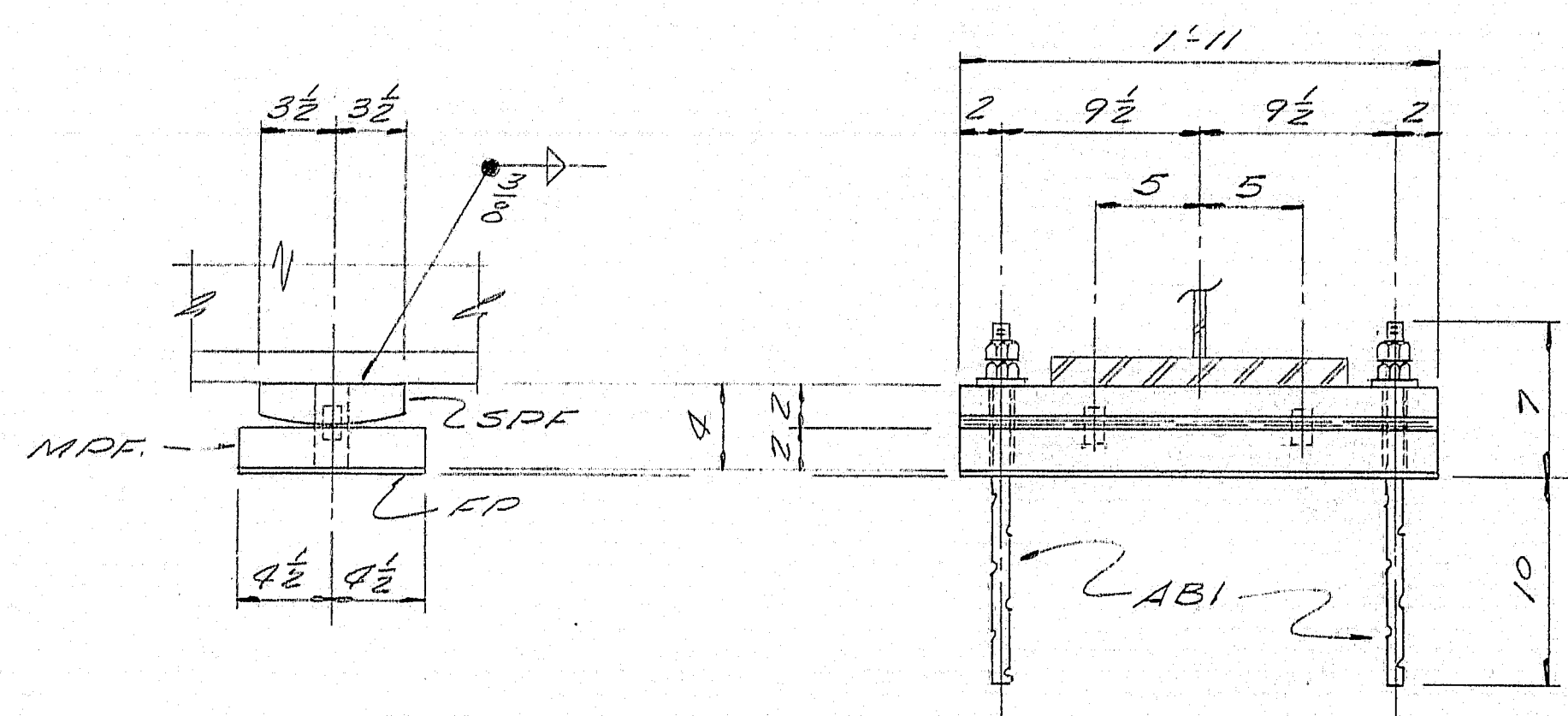
APP 1-15-64

93-158

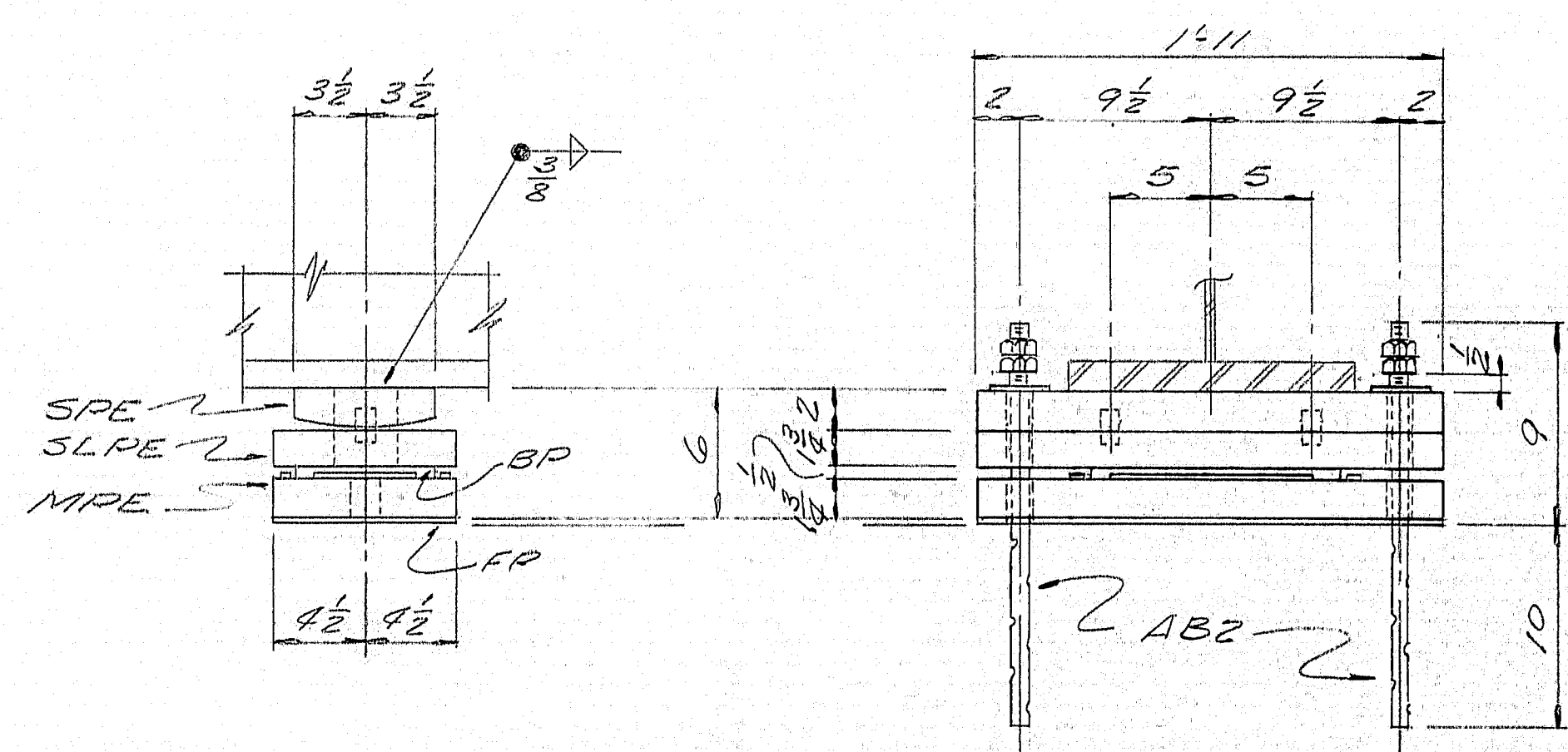




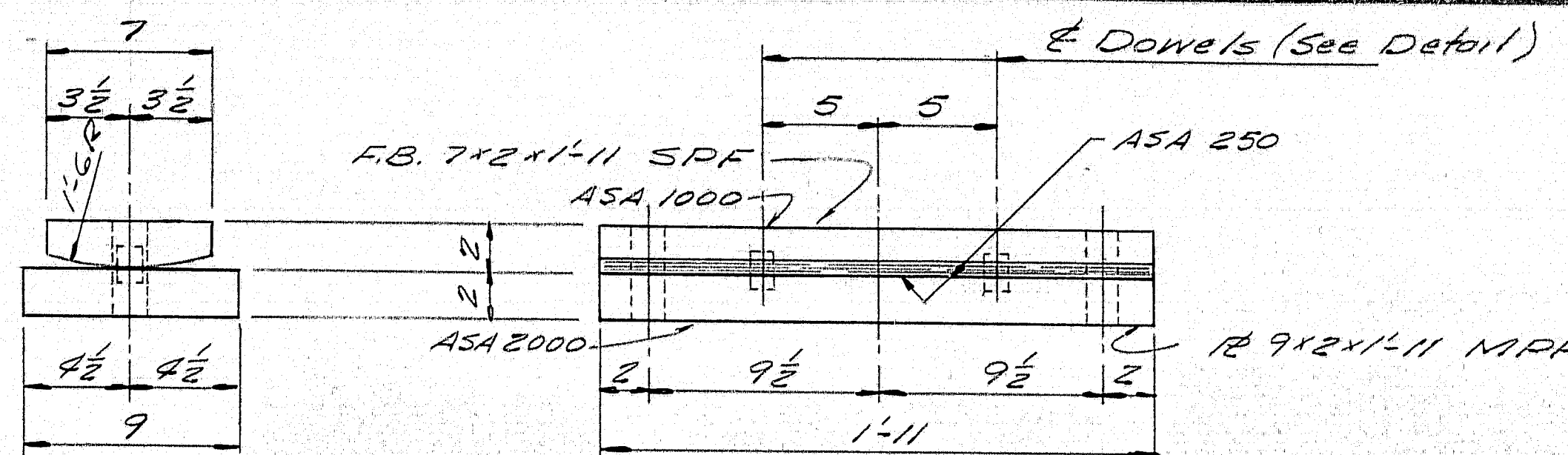
LOCATION OF BEARINGS



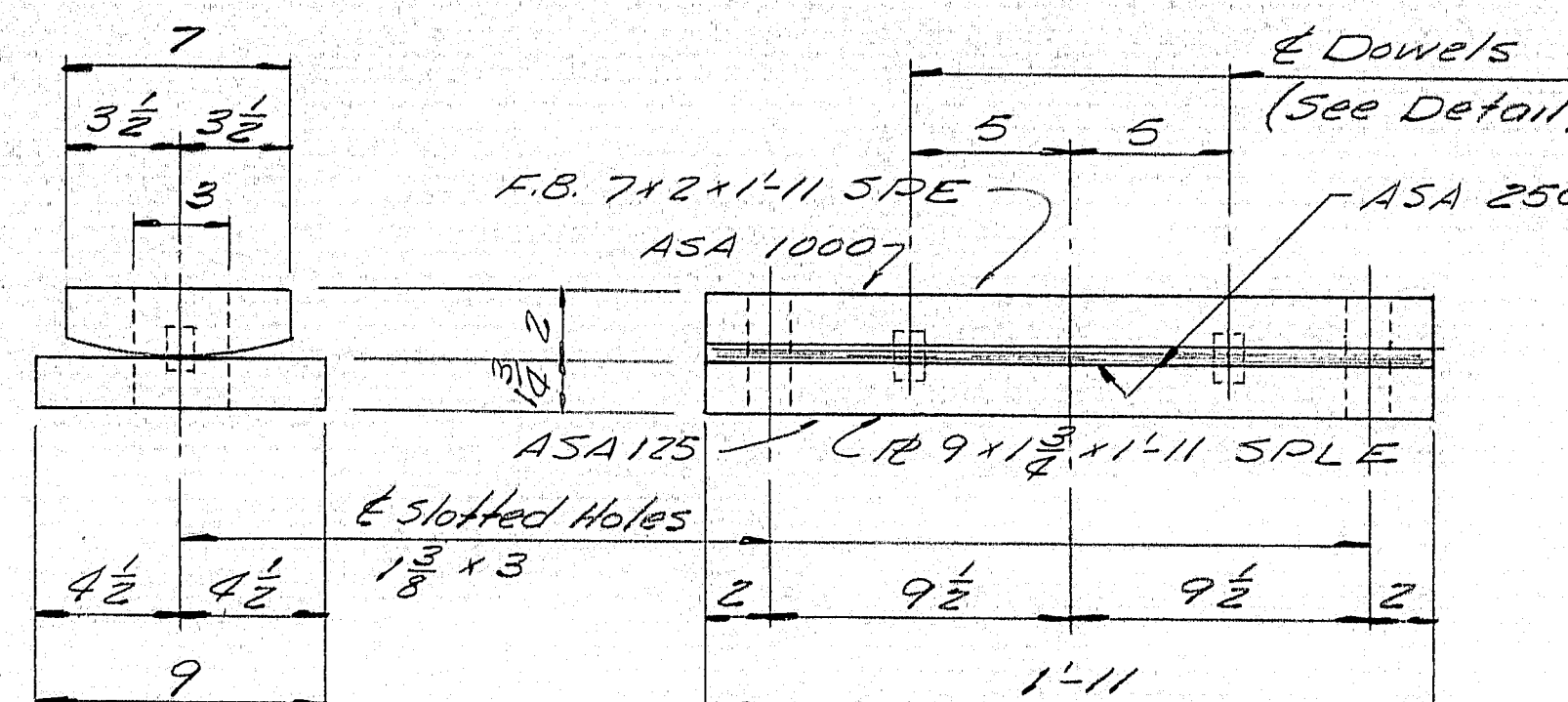
FIXED BEARING ASSEMBLY "FPB"



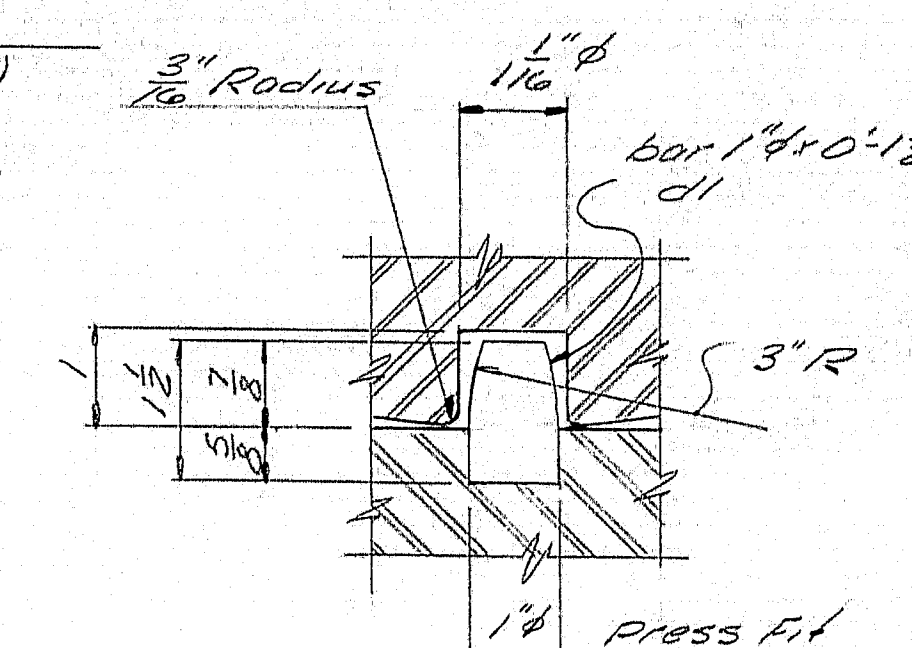
EXPANSION BEARING ASSEMBLY "EPB"



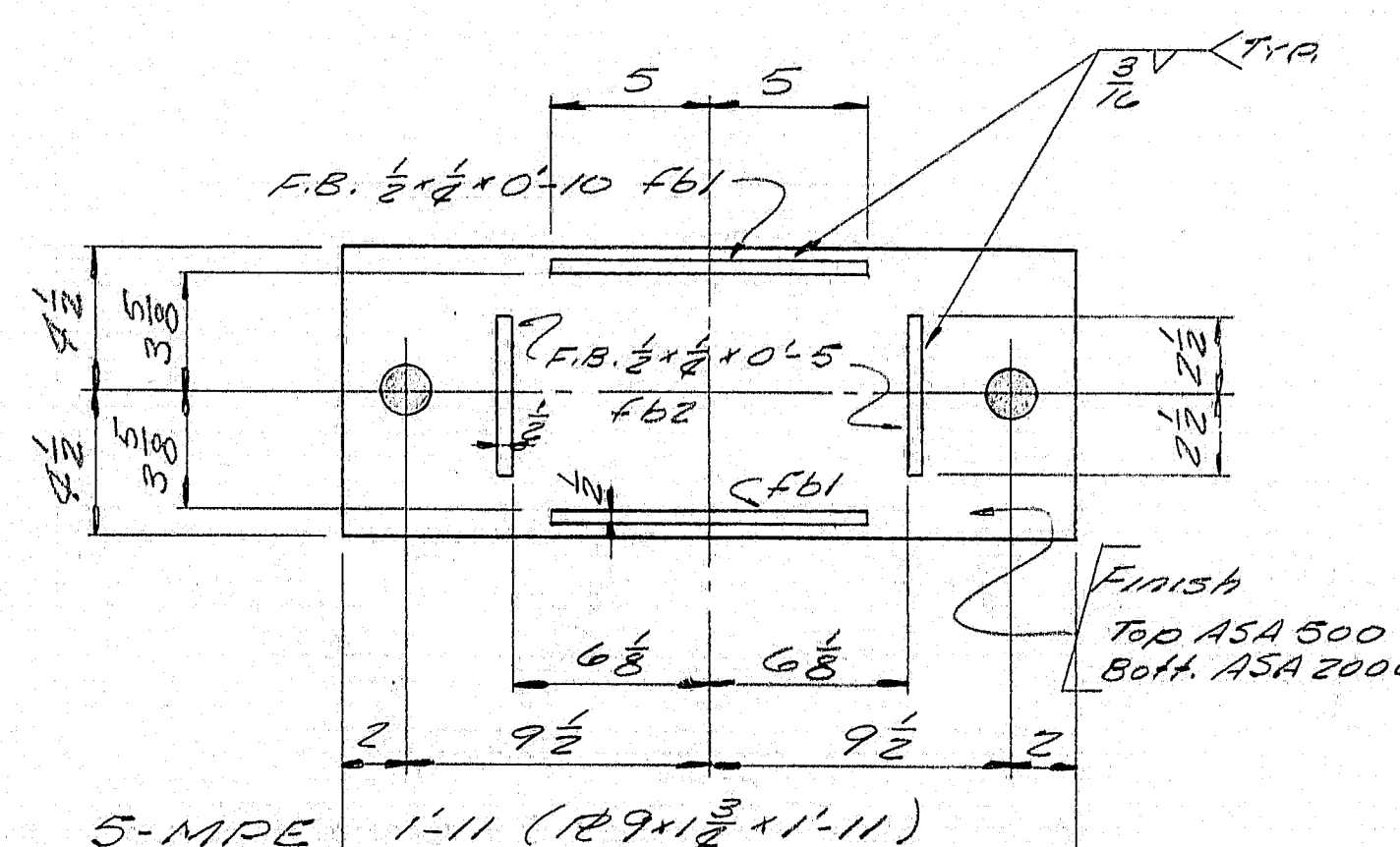
ASSEMBLY "FPB" 5-REQD.



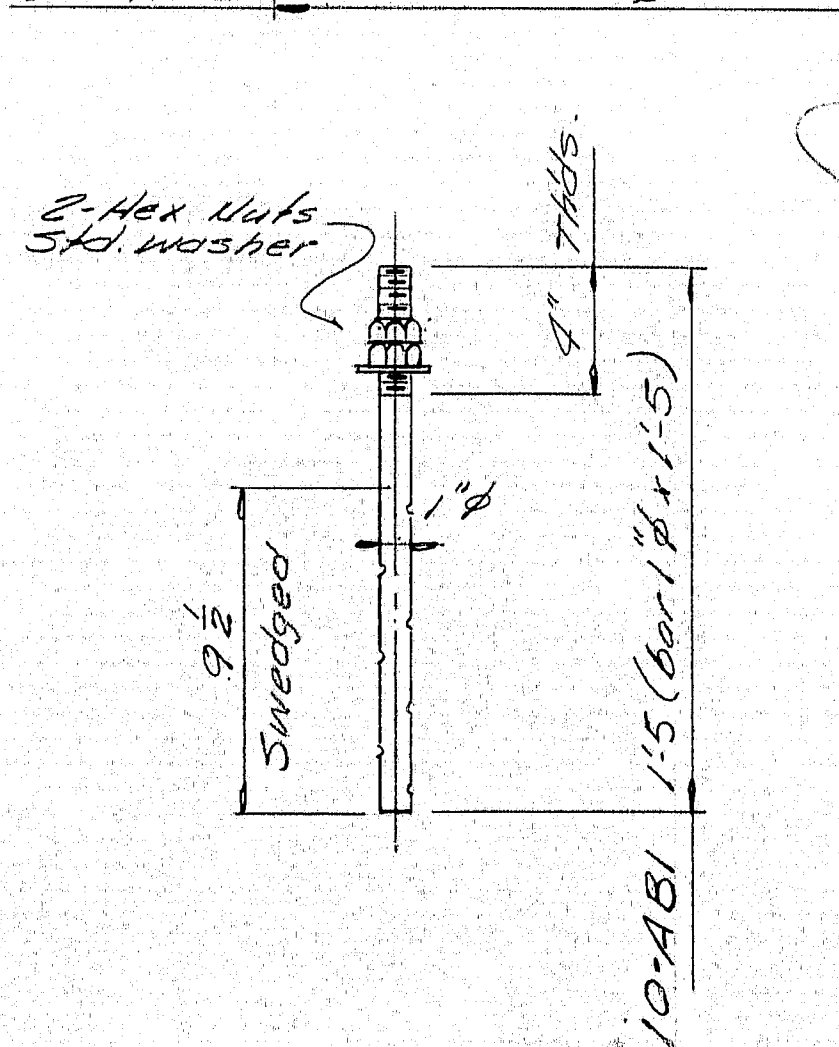
DETAIL SPE & SLPE 5-REQD.



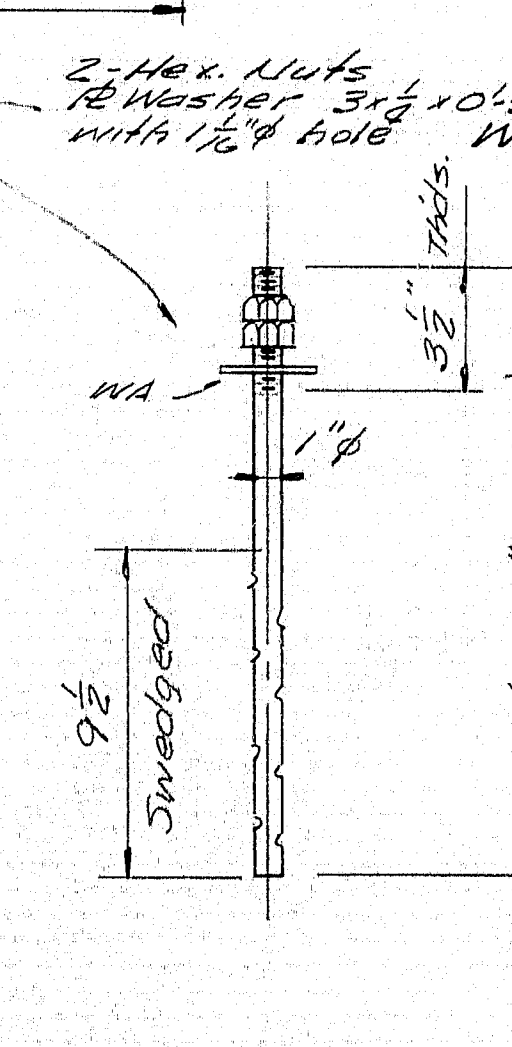
DOWEL DETAIL



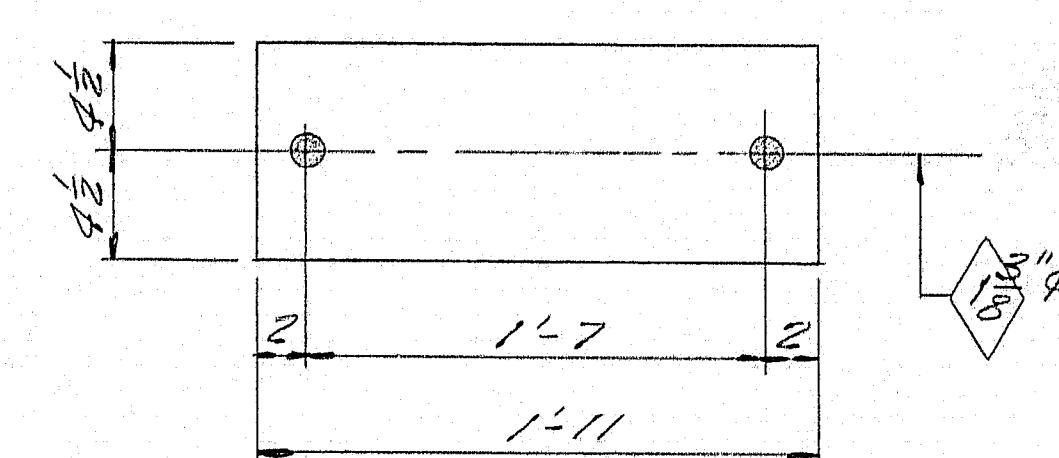
5-MPE 1'-11" (2 9x2x1-11)



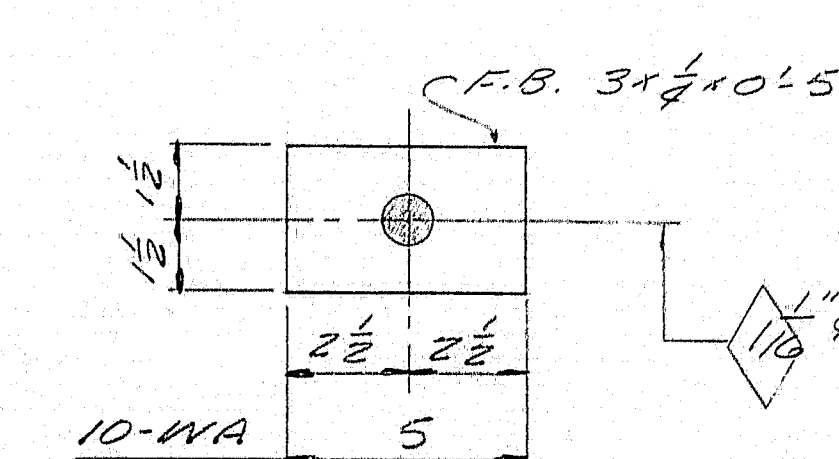
FIXED



EXP.



FABCO "SA47" PAD
9x1/2x1-11 EP 10 REQD.



PAINT NOTE:

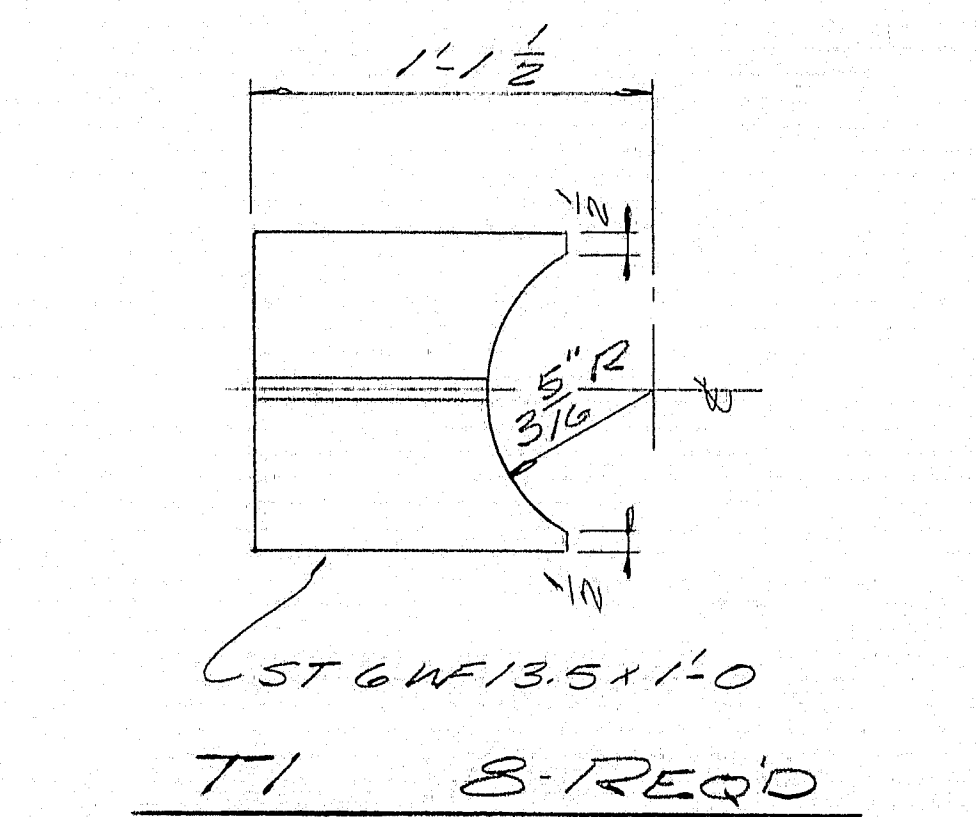
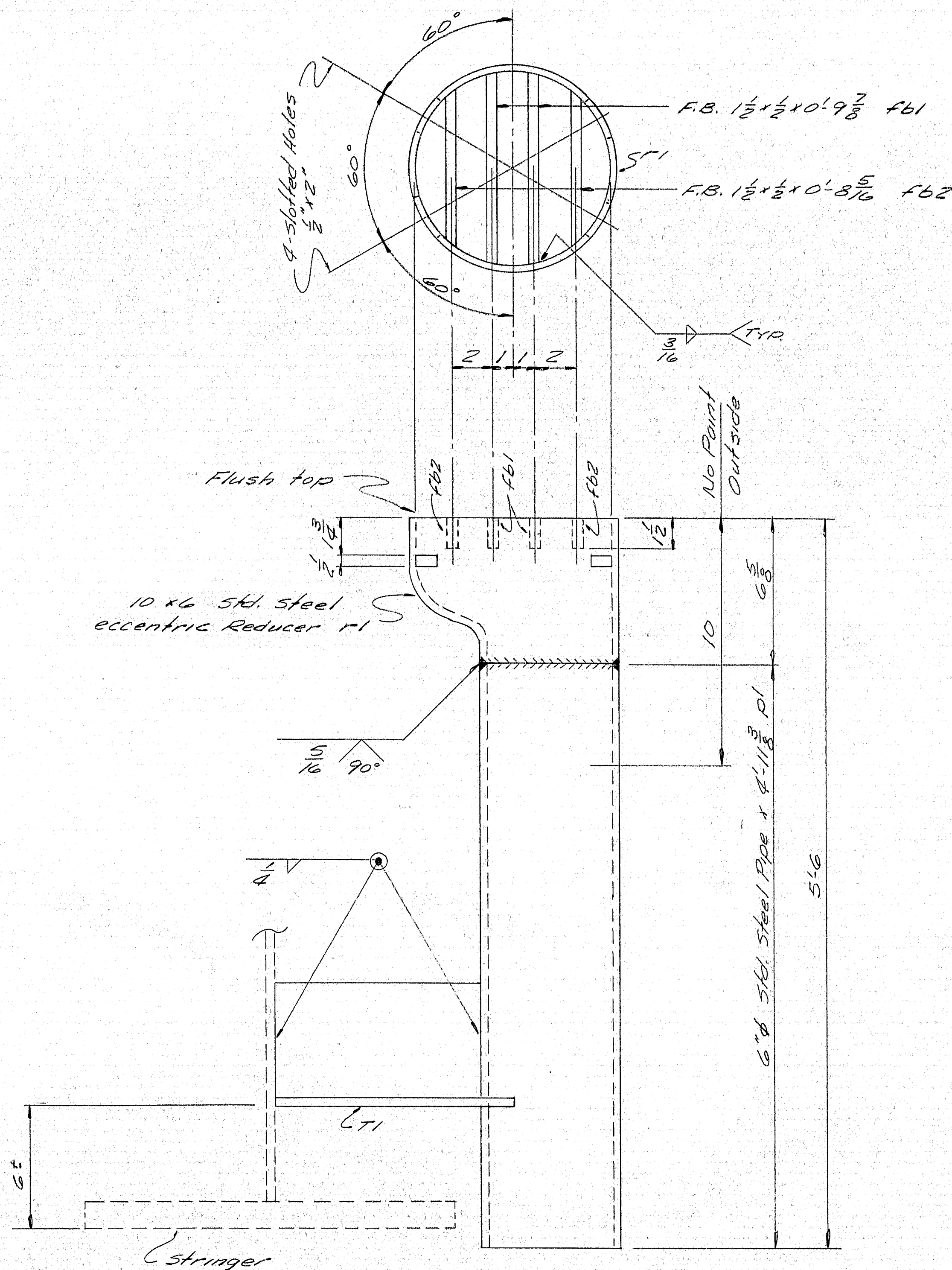
No paint on self-lubricating bronze plate.
No paint on areas in contact with bronze plate. Coat with hot mixture of white lead and tallow.
No paint on top surface of SPF or SPE.
No paint on anchor bolts, oil thds.

SHIP		BILL OF MATERIAL				DWG. NO. 65-313-51
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
FPB	5		SHOP ASSY.			
EPB	5		DO			
	5	SPF	F.B. 7x2	1 11		
	5	MPE	R 9x2	1 11		
	5	SPE	F.B. 7x2	1 11		
	5	SLPE	R 9x2	1 11		
	5	MPE	R 9x2	1 11		
	5	BP	R 7x2	1 0		Self-lubricating bronze R-No Fab. Req# 2077
	20	d1	bar 1/4	0 1/2		
	10	FBI	F.B. 1/2x1/2	0 10		
	10	FBI	F.B. 1/2x1/2	0 5		
AB1	10		bar 1/4	1 5		
AB2	10		do	1 7		
40			1/4 Hot Ruf			
Field	10		1/4 washer			2 1/2" x 3/8" with 1/8" hole
WA	10		F.B. 3x1/2	0 5		
EP	10		Pad 9x1/2	1 11		FABCO SA47 PAD Req# 2090
Allowance to be made for Machining.						
ITEM 702-103						
All steel to be ASTM-A36						
Except Anchor bolts may be A7						
All welds to be made with E70 Rods						
SHOP CONNECTIONS: Welded						
FIELD CONNECTIONS: Welded & Bolted						
HOLES: 1/8" and as noted.						
PAINT: Red lead and as noted per M.S.H.C. Specs.						

APPROVED 12-31-63

BEARING PEDESTALS	
Bancroft & Martin Inc. South Portland, Maine	
BIRCH STREAM BRIDGE ALTON-ARGYLE, MAINE	
CUSTOMER: REED & REED DESIGNER: M.S.H.C. BRIDGE DIV.	
ORDER NO. 702-103	DWG. NO. 65-313-51

DRAWN	11-8-63	AL.
REVISION		
REVISION		
REVISION		



DRAIN DRI 8-REQ'D.

NOTE:
See States Dwg's for Drain Location.

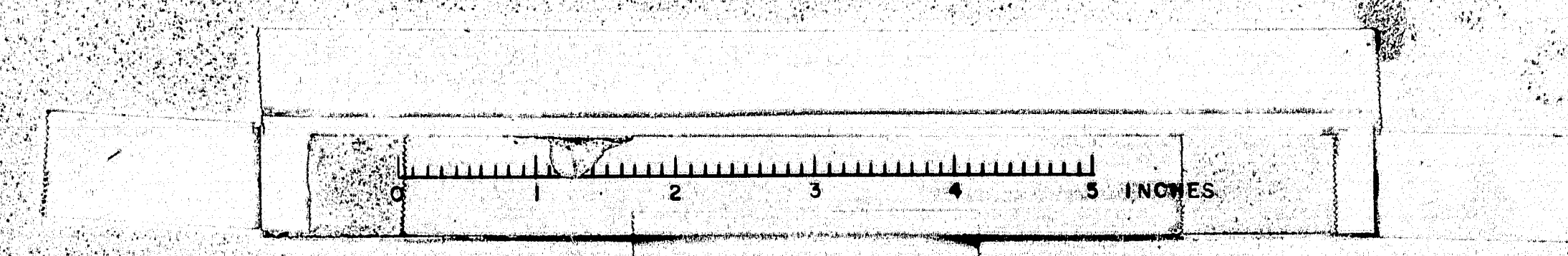
SHIP		BILL OF MATERIAL				DWG. NO. 23-313-52
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
DRI	8		SHOP ASSY.			
T1	8		ST 6 WF 13.5	10		
	16	F61	F.B. 1 1/2 x 1/2	0 9 3/8		
	16	F62	do	0 8 5/8		
	8	P1	4 x 11 3/8	4 1 1/8		
	8	P1	10 1/6	0 7		Std. Steel Eccentric Reducer Req. # 1700
ITEM No. 702-103						

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: Welded
HOLES: As Noted
PAINT: Per Maine State Specs.
Red lead foil as noted.

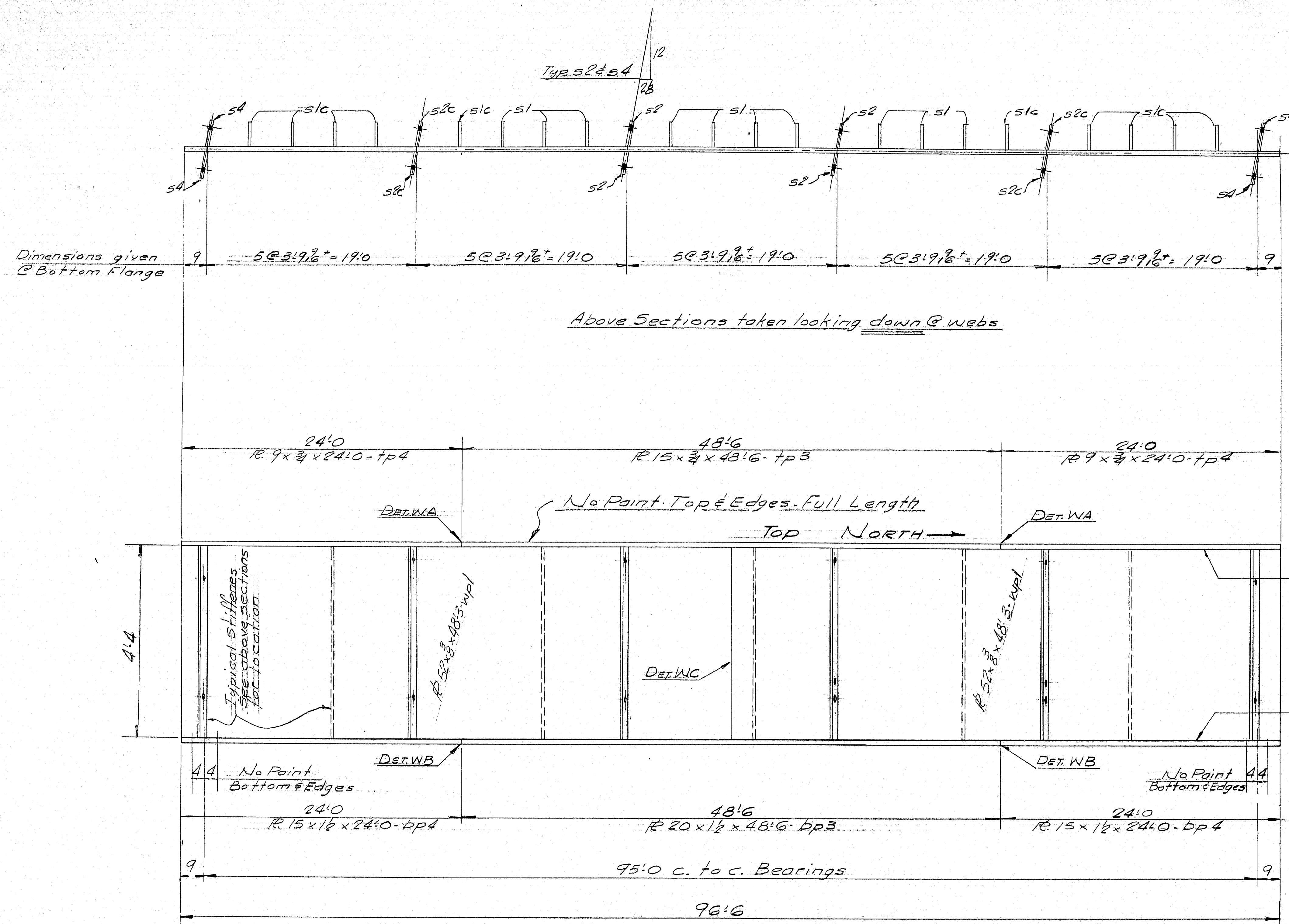
APPROVED 12-31-63		DRAIN DETAILS	
		Bancroft & Martin Inc. South Portland 7, Maine	
		BIRCH STREAM BRIDGE ALTON-ARGYLE, MAINE	
		CUSTOMER REED & REED DESIGNER M.S.H.C. BRIDGE DIV.	
		ORDER NO.	DWG. NO. 23-313-52

DRAWN	11-17-63	H.L.
REVISION		
REVISION		
REVISION		

93-160



Typ. 52 & 54



DO 54. ONE REQ'D.

For GENERAL NOTES see DWG. E1
For WELDING DETAILS see DWG. W1
For CAMBER DIAGRAM see DWG. E1
For STIFFENER DETAILS see DWG. S5

[illegible]

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: $\frac{3}{4}$ " ϕ M Bolts. Welded
HOLES: $\frac{1}{16}$ " ϕ
PAINT: Per State of Maine Specs

STRINGER DETAILS

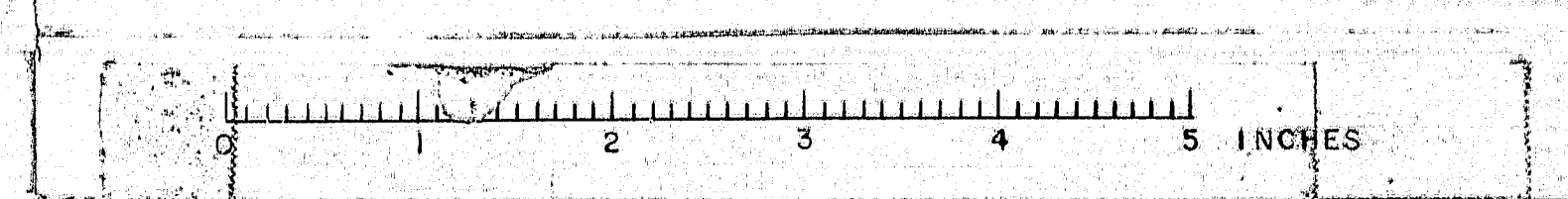
Bancroft & Martin Inc.
South Portland 7, Maine

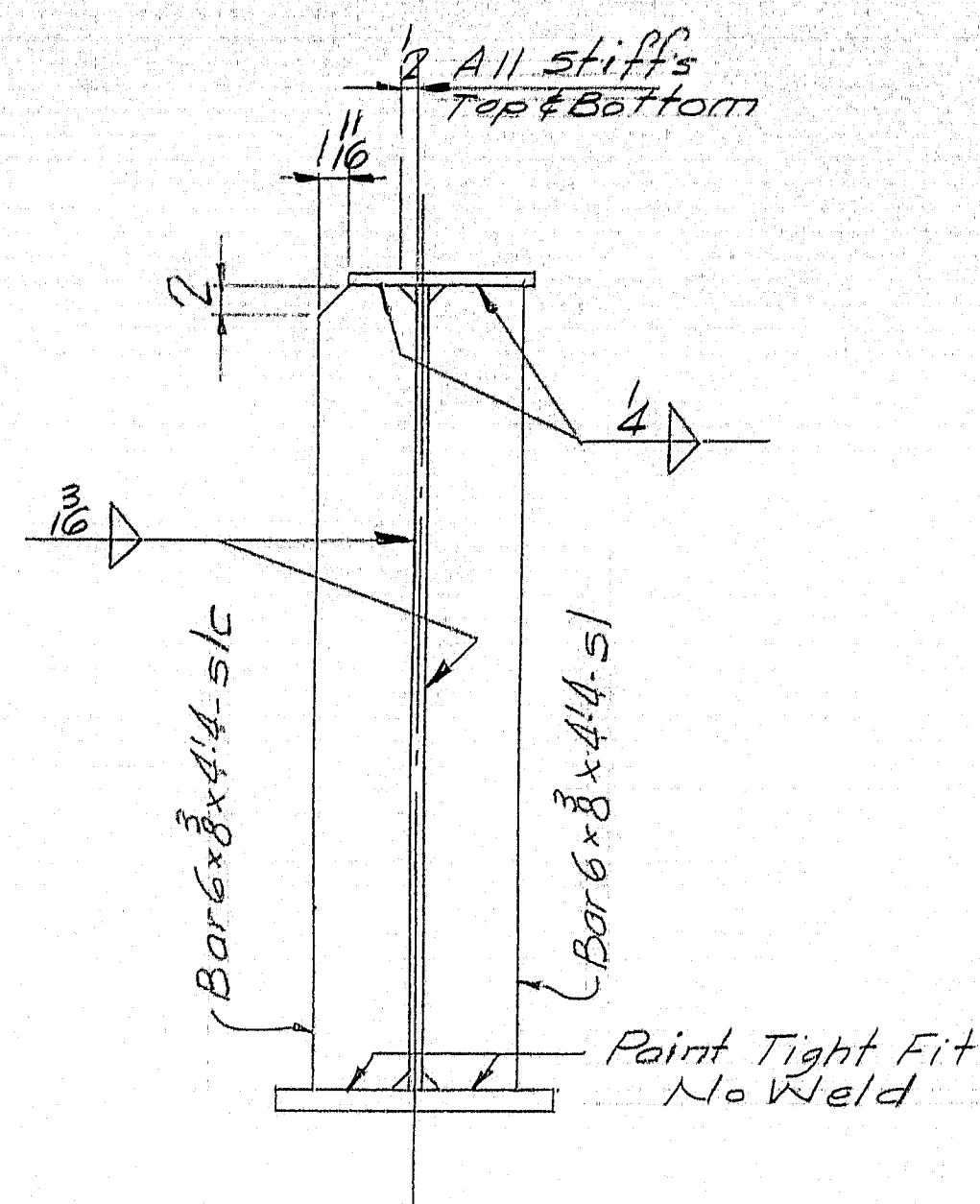
BIRCH STREAM BRIDGE
ALTON-ARGYLE, MAINE

CUSTOMER REED & REED
DESIGNER MAINE S.H.C. BRIDGEDIV.

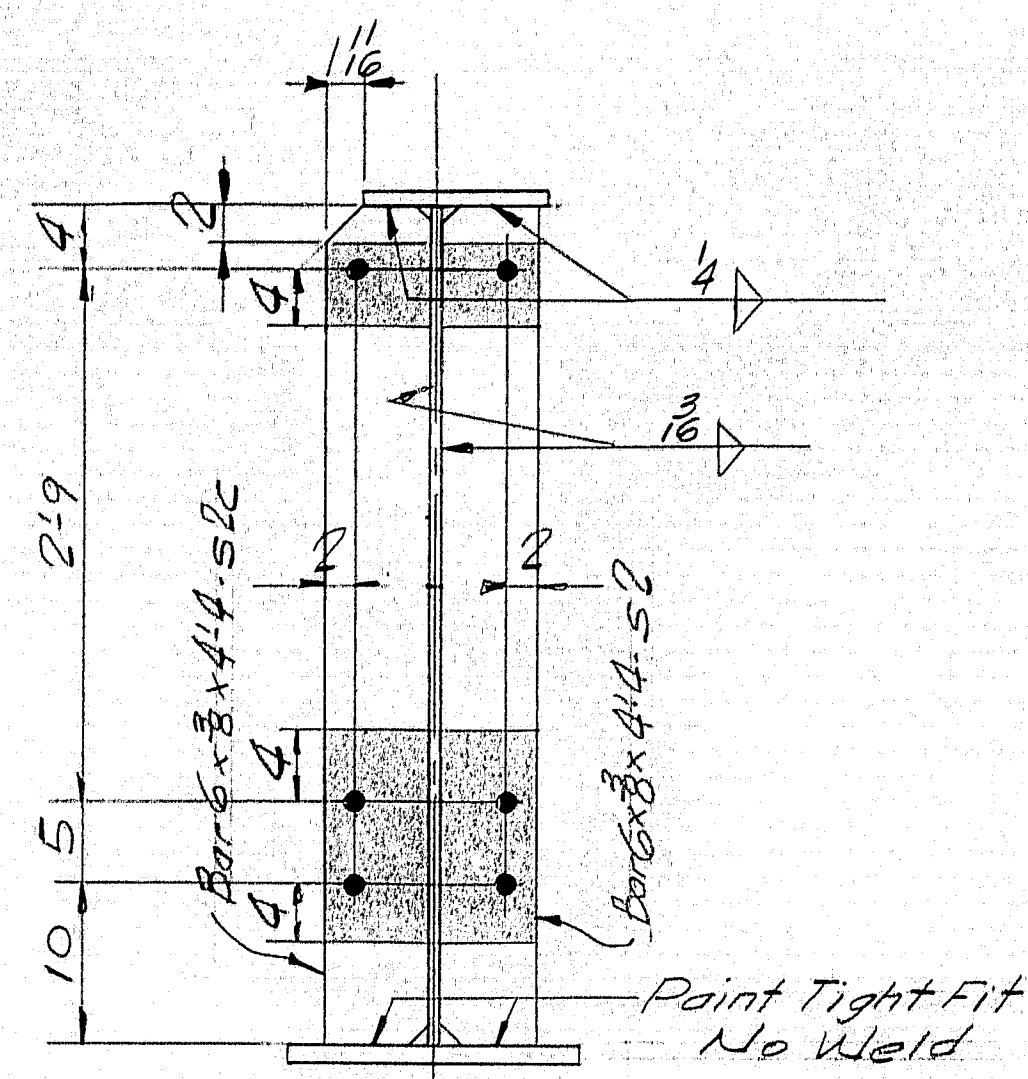
ORDER NO. <u>VERBAL</u>	DWG. NO. <u>63-313-S4</u>
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93-162

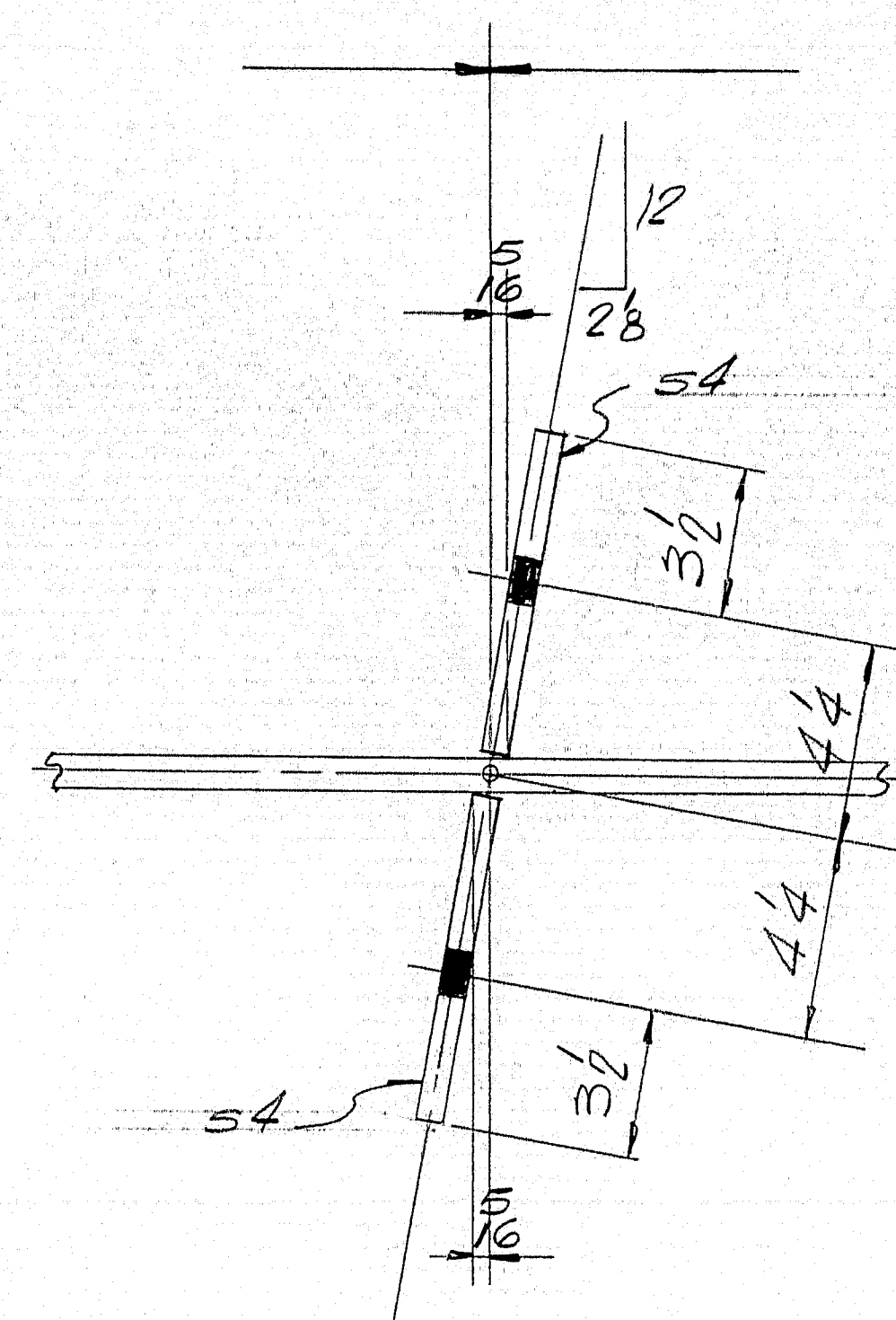




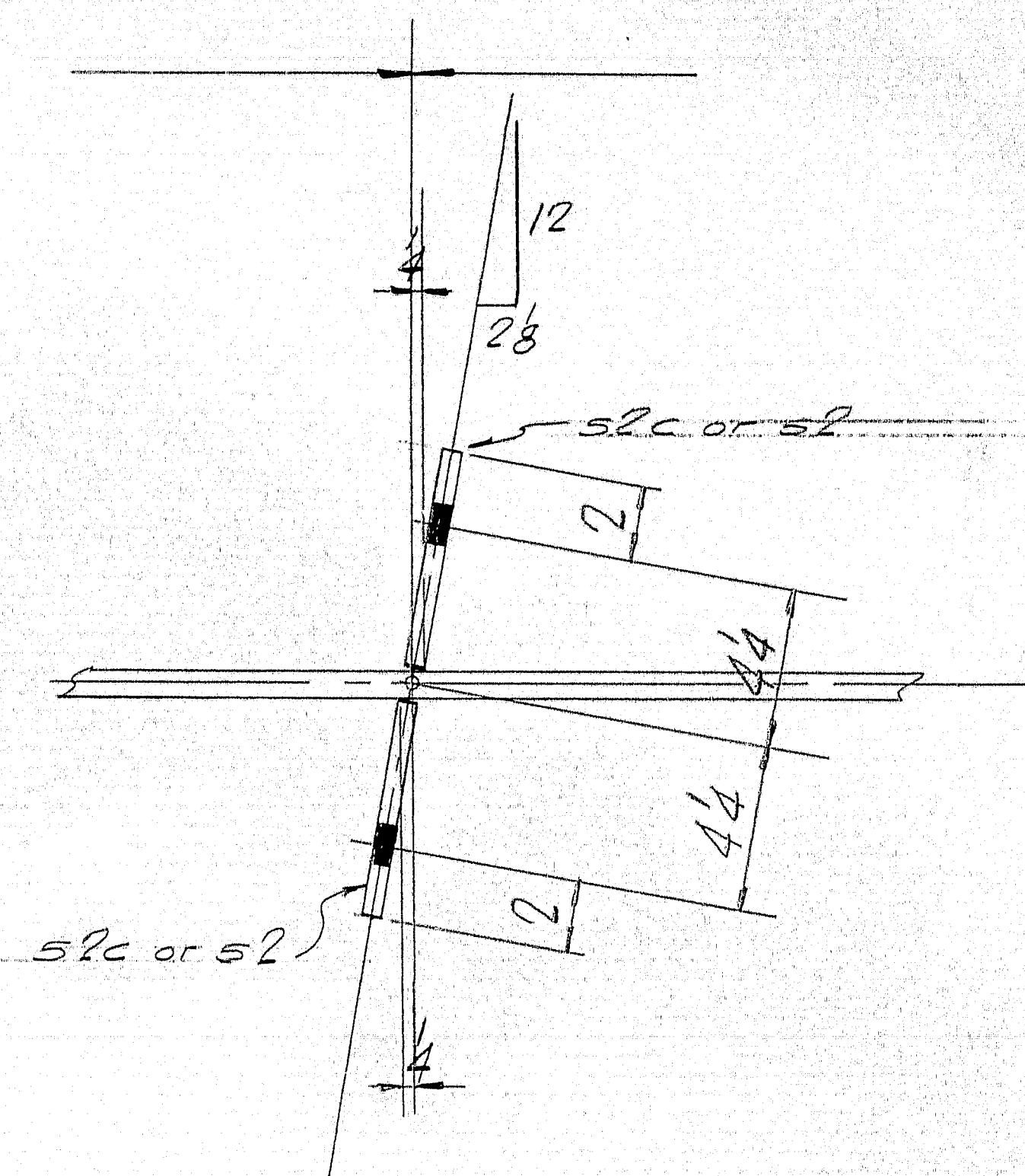
Detail @ s1c & s1



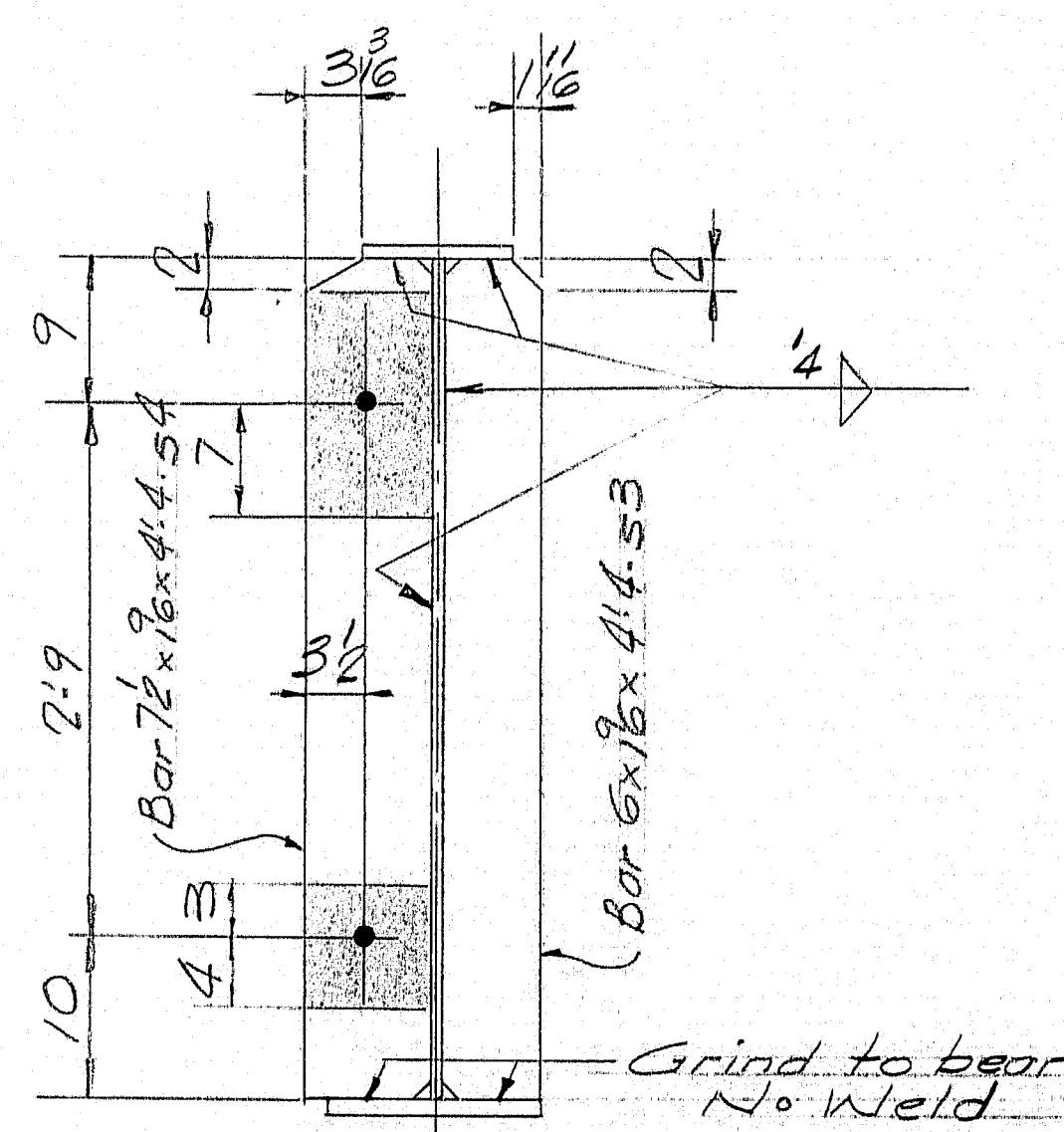
Detail @ s2c & s2



Section @ s4



Section @ s2c & s2



Detail @ s3 & s4

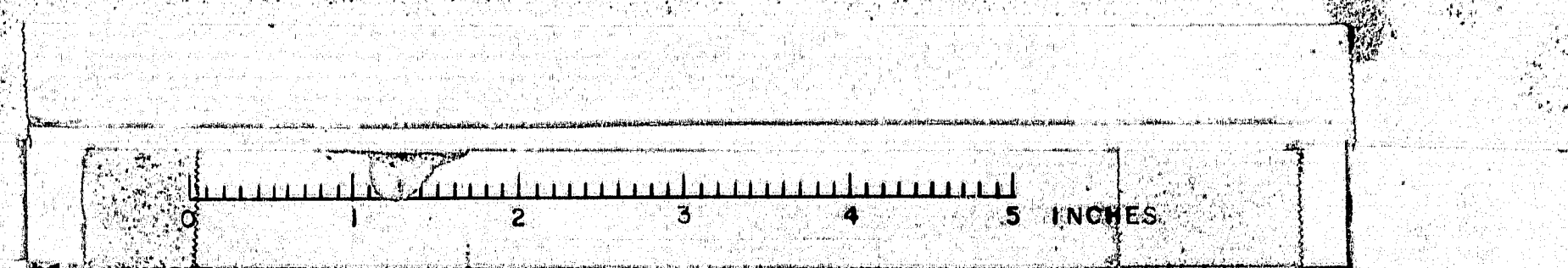
NOTES

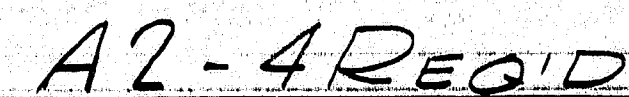
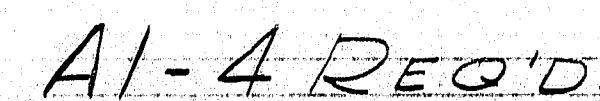
Holes: 1 5/8" ϕ
 There shall be No Paint N.S. & F.S. of stiffeners @ shaded areas.
 All stiffeners to be normal to flanges

STIFFENER DETAILS	
Barcroft & Martin Inc. South Portland 7, Maine	
BIRCH STREAM BRIDGE ALTON, ARCADE, MAINE	
CUSTOMER REED & REED DESIGNER MAINE S. H. C. BRIDGE DIV.	
ORDER NO. VERBAL	DWG. NO. 63-313-S5

APR 11 1964

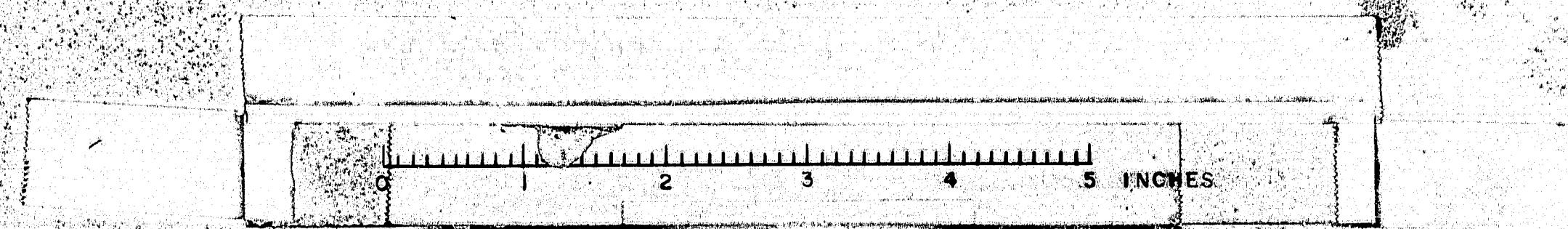
93-163

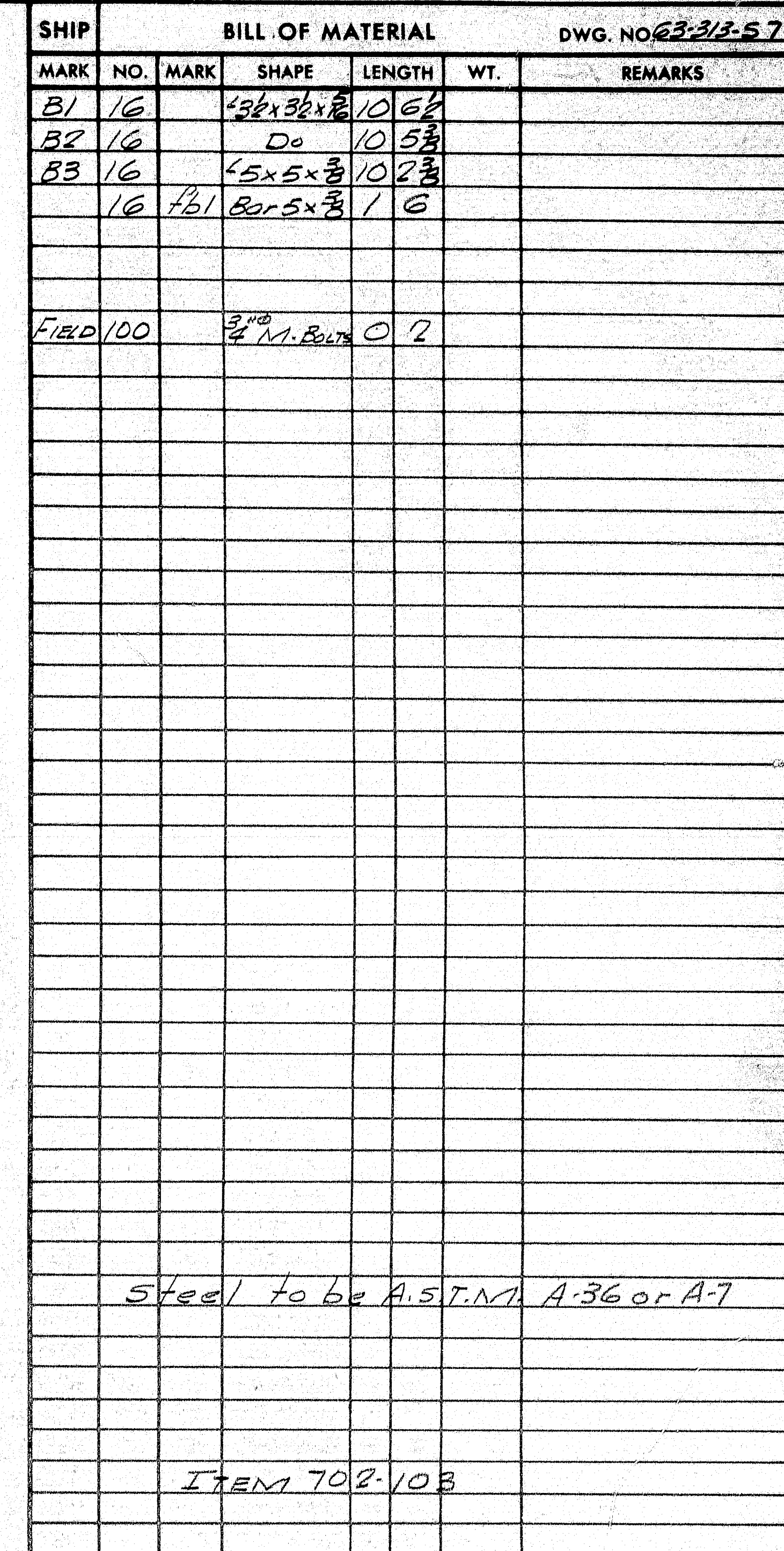




②

93-164





SHOP CONNECTIONS: Welded
FIELD CONNECTIONS: 3/4" M. Bolt - Welded
HOLES: 1 1/2" Ø
PAINT: Per State of Maine Spec
As Noted

CROSS FRAMES-TYPE B

Bancroft & Martin Inc.
South Portland 7, Maine

BIRCH STREAM BRIDGE
ALTON-ARGYLE MAINE

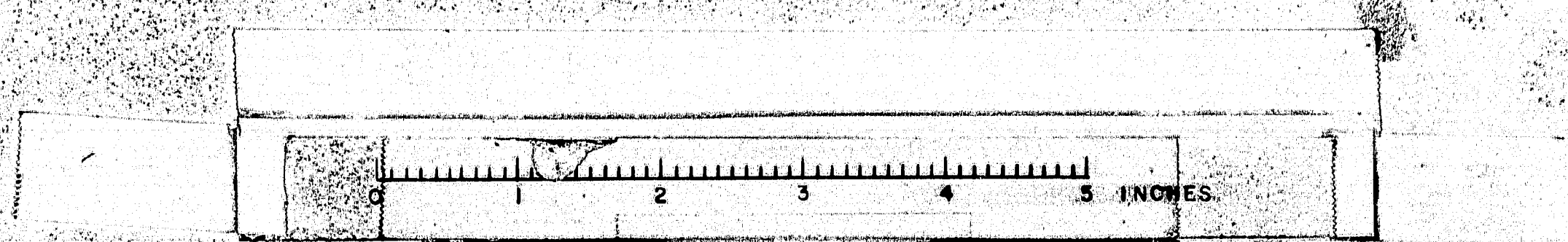
CUSTOMER REED & REED

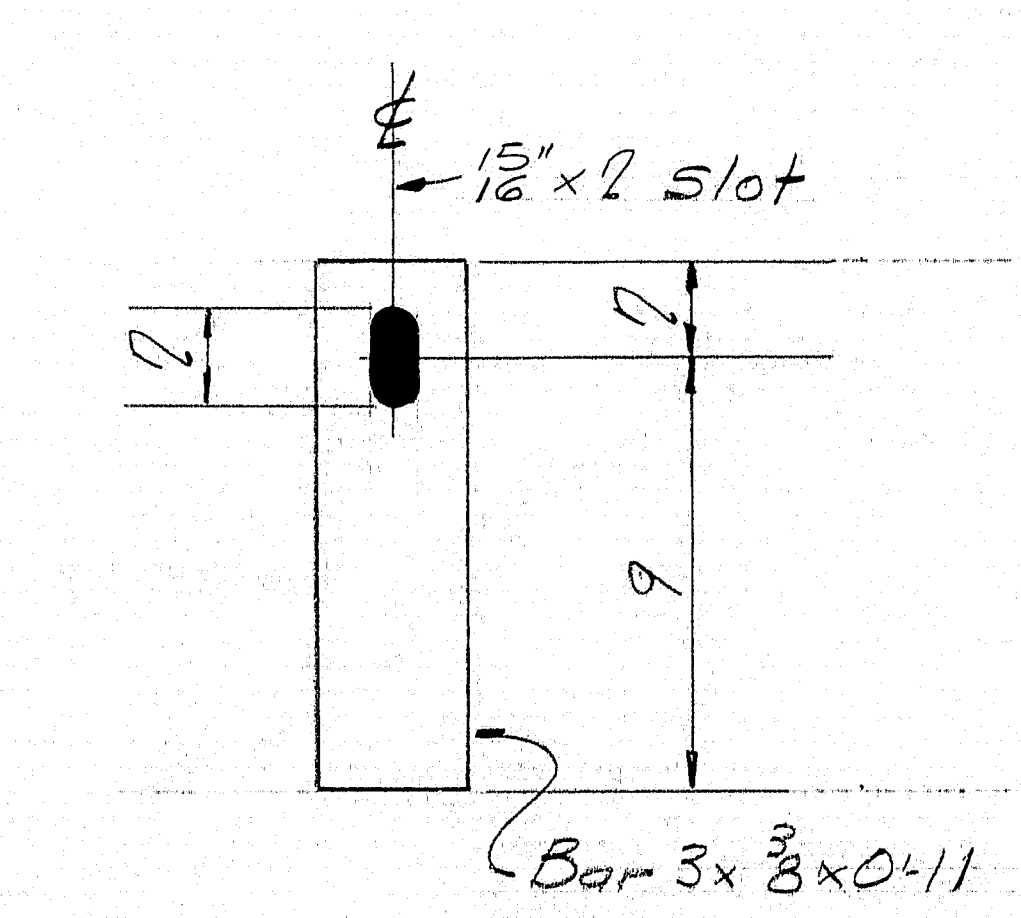
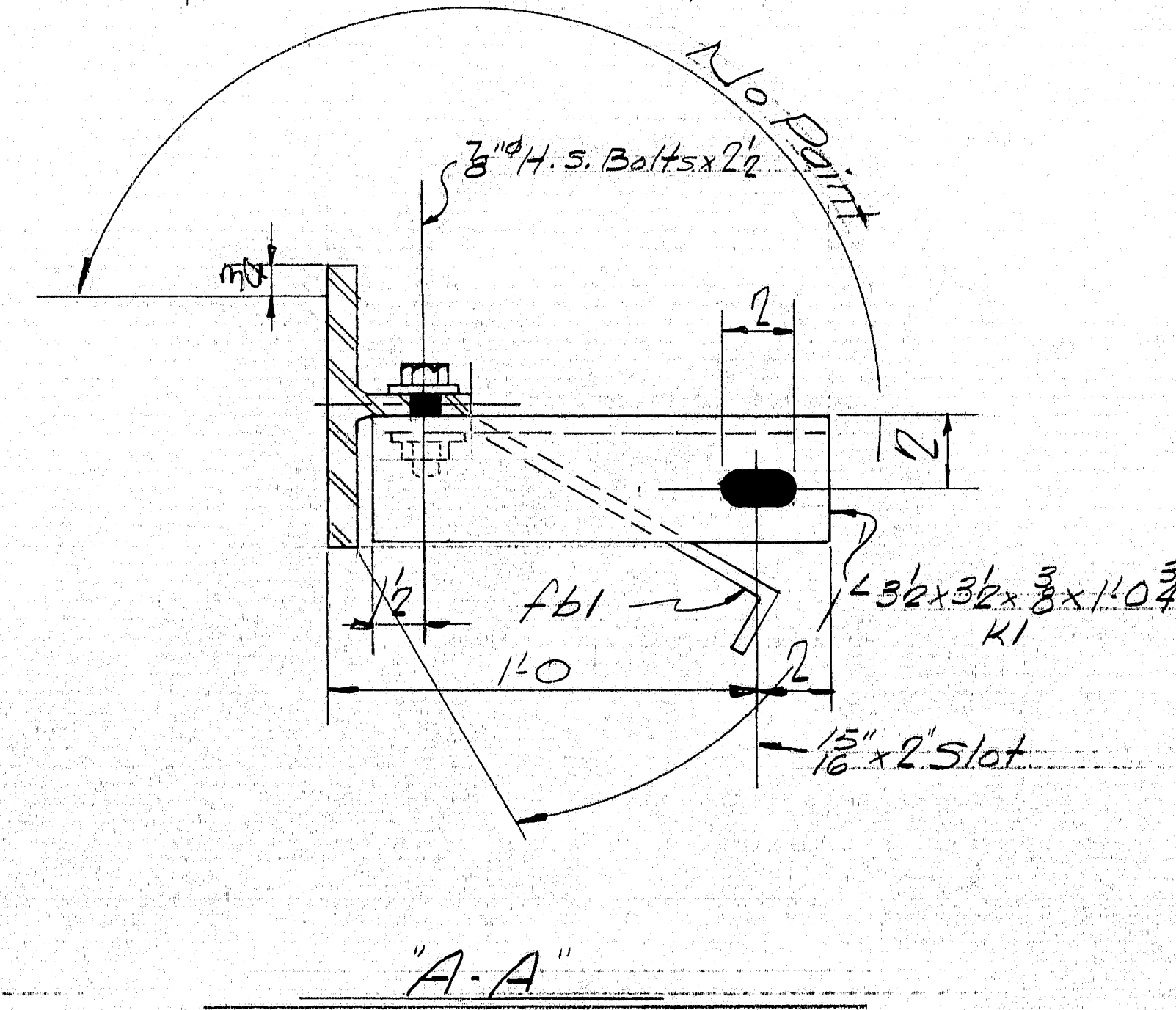
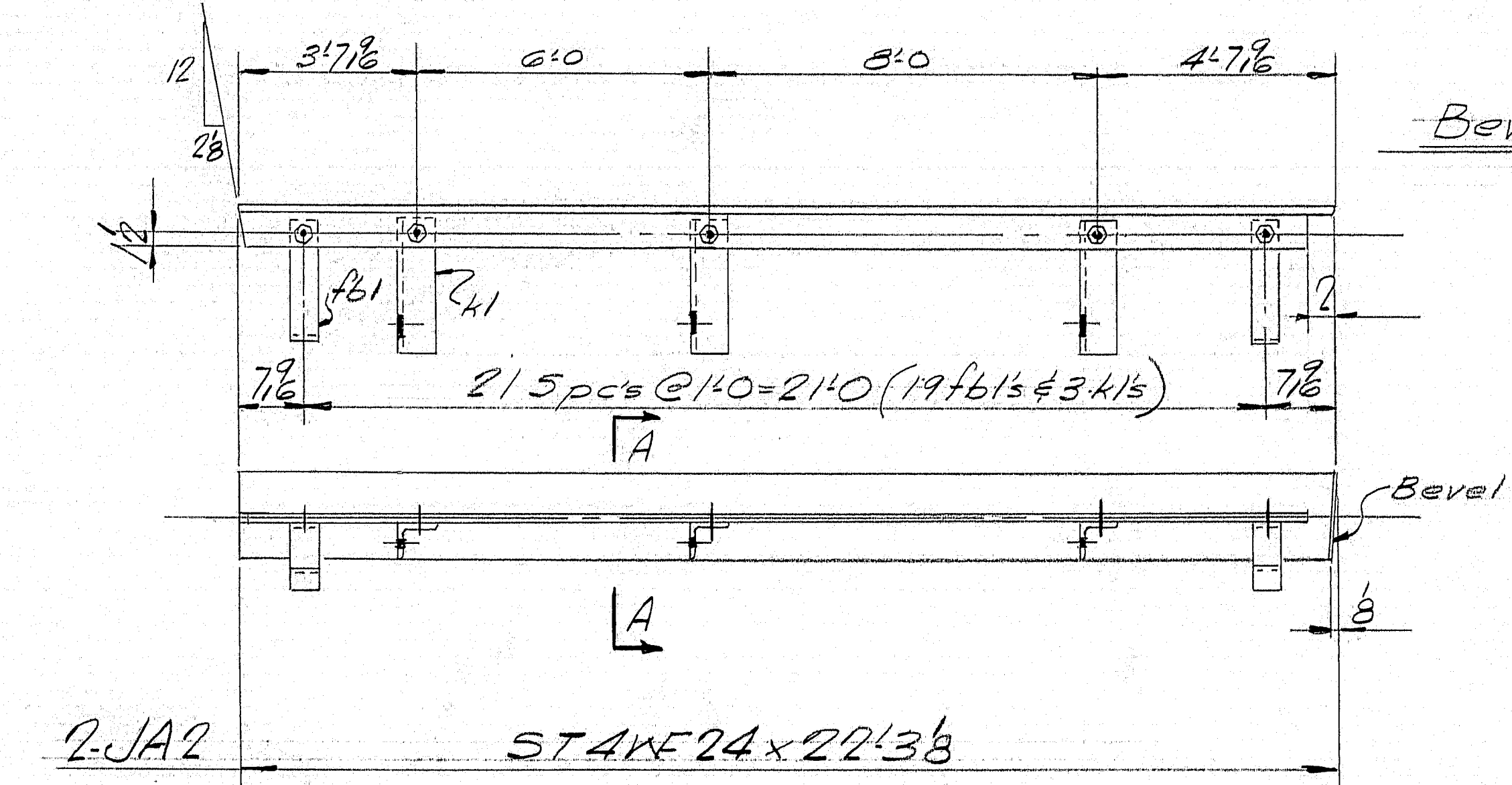
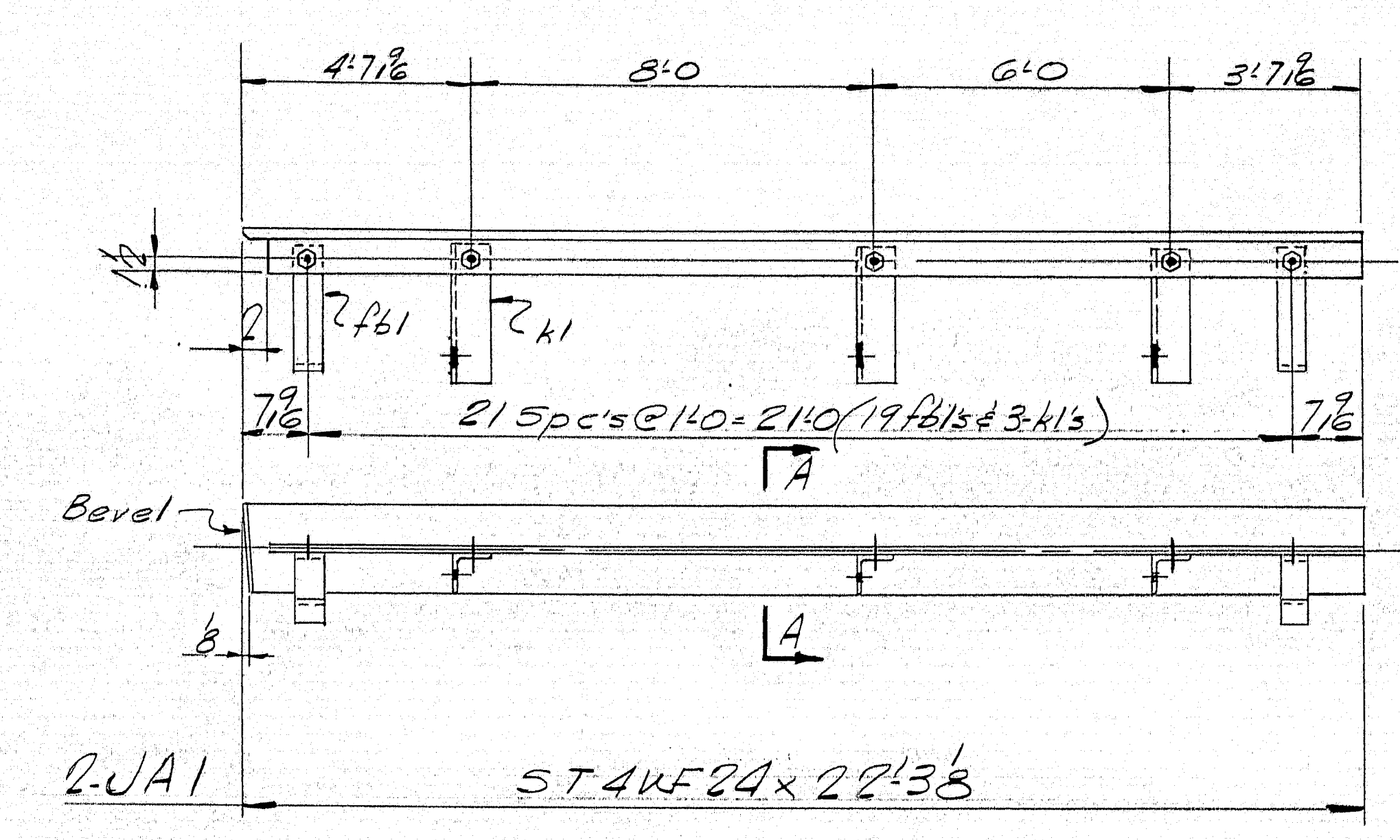
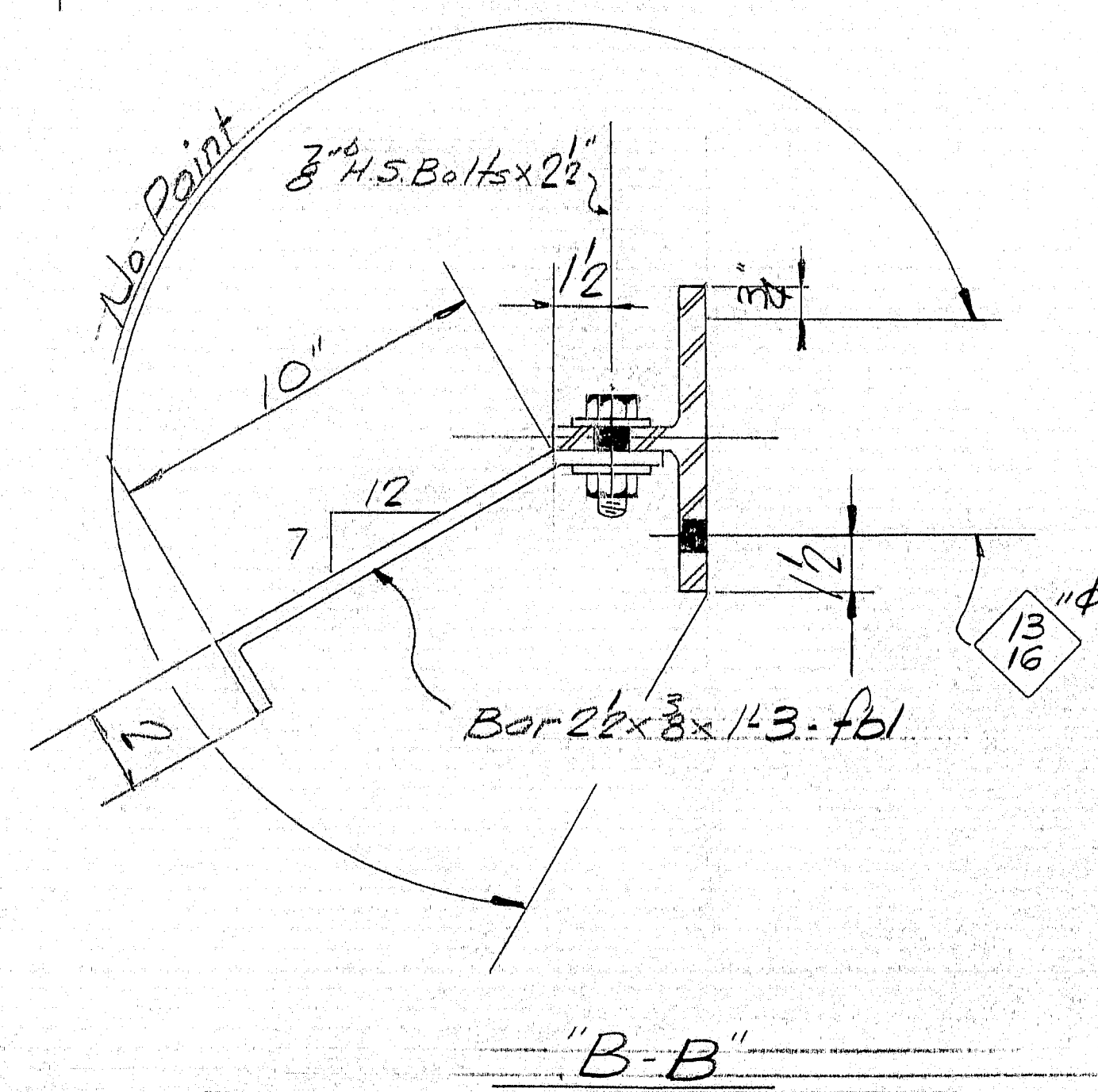
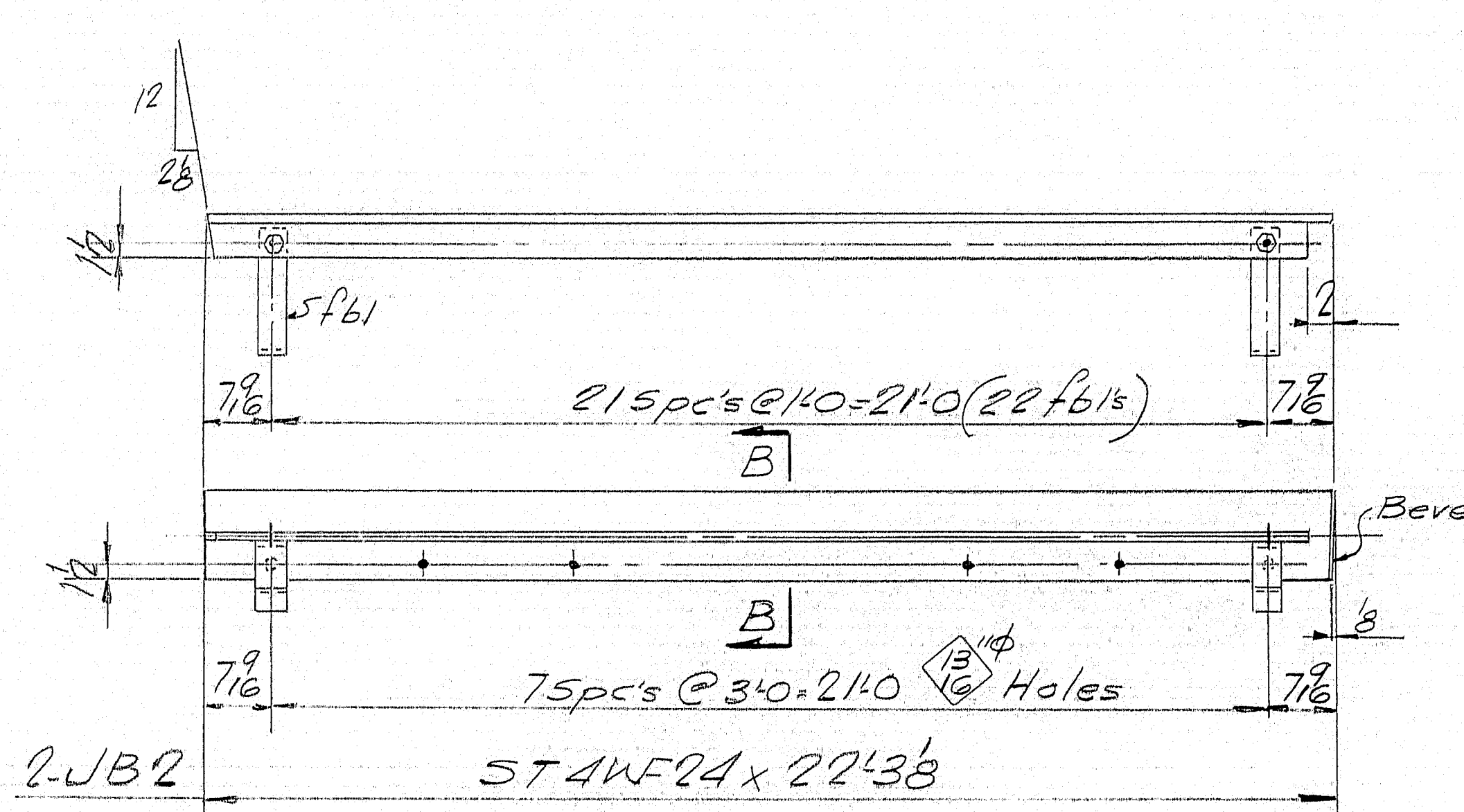
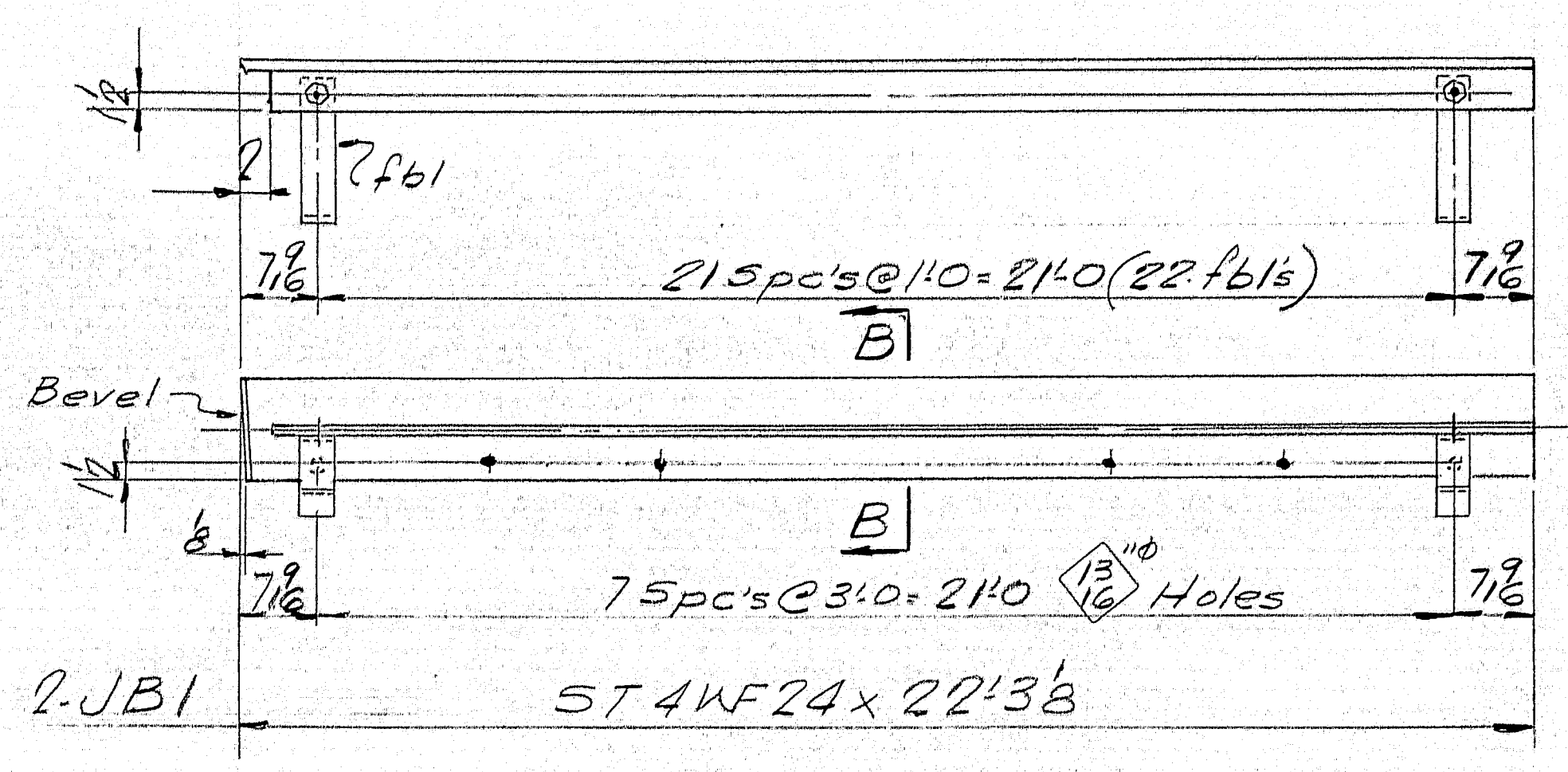
DESIGNER MAINE S.H.C. BRIDGE DIV.

ORDER NO. VERBA

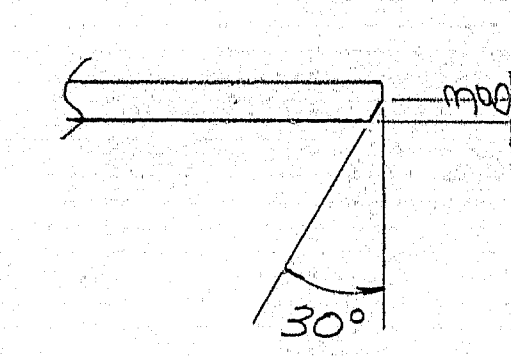
DWG. NO. 63-313-57

93-165





fb2 - Detail (No Paint)
Bolt to k1 for shipment
Use 3/8" H.S. Bolt x 24"

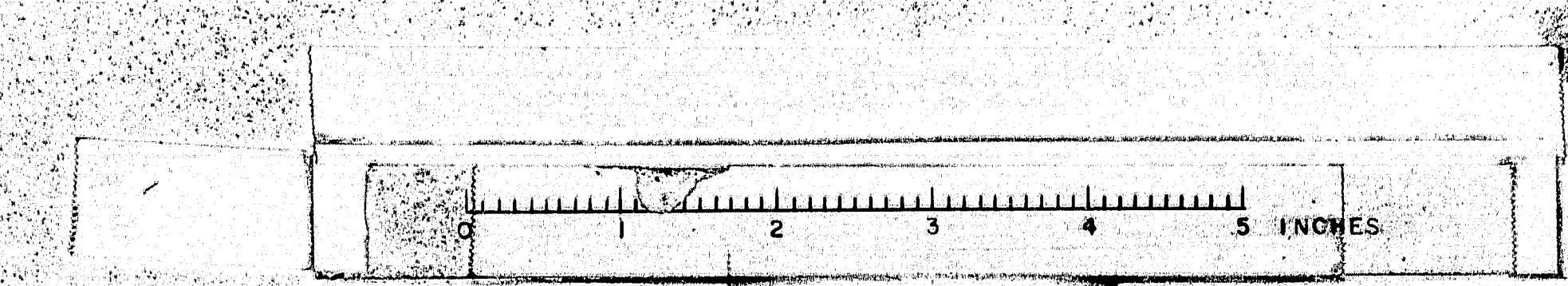


SHIP		BILL OF MATERIAL				DWG. NO. 63-313-SB
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
JB1	2		ST 4WF24	22'38"		
JB2	2		Do	22'38"		
JA1	2		Do	22'38"		
JA2	2		Do	22'38"		
	104	fb1	Bar 2 1/2 x 3/8	14.3		
	12	fb2	Bar 3 x 3/8	0.11		
	12	k1	3/8 x 3/8 x 3	1.03		
	12	SHOP	3/8" H.S. BOLTS	0.24		
	176	Do	Do	0.24		
	376	Do	3/8" H.S. WASHERS			
A.S.T.M. A36 or A7						
ITEM 702-103						

SHOP CONNECTIONS: Bolted
FIELD CONNECTIONS: Welded
HOLES: 1/2" unless noted
PAINT: Per State of Maine Specs

ARMORED JOINTS
Bancroft & Martin Inc.
South Portland 7, Maine
BIRCH STREAM BRIDGE
ALTON - ARGYLE, MAINE
CUSTOMER REED & REED
DESIGNER MAINE S.H.C. BRIDGE DIV.
ORDER NO. VERBAL DWG. NO. 63-313-SB

DRAWN	E.G. GAY
REVISION	
REVISION	
REVISION	



93-166